

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091125\  
 Data File : BF143706.D  
 Acq On : 11 Sep 2025 15:02  
 Operator : RC/JU  
 Sample : Q3048-01MSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

VNJ-258MSD

## Manual Integrations

## APPROVED

Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025

Quant Time: Sep 11 15:24:21 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091025.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Sep 09 15:20:16 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.893  | 152  | 40932    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 152951   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.933  | 164  | 84354    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.422 | 188  | 123003   | 20.000 | ng    | 0.01     |
| 76) Chrysene-d12              | 14.069 | 240  | 98428    | 20.000 | ng    | 0.02     |
| 86) Perylene-d12              | 15.545 | 264  | 109093   | 20.000 | ng    | 0.03     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 232370   | 96.857 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.516  | 99   | 288251   | 98.677 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 173424   | 70.526 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 82379    | 96.905 | ng    | 0.01     |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 374335   | 67.036 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.004 | 244  | 315496   | 51.943 | ng    | 0.01     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.734  | 88   | 42816    | 40.009 | ng    | 98       |
| 3) Pyridine                   | 3.493  | 79   | 108191   | 39.136 | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.440  | 42   | 48815    | 46.486 | ng    | 94       |
| 6) Aniline                    | 6.557  | 93   | 94871m   | 24.521 | ng    |          |
| 8) 2-Chlorophenol             | 6.675  | 128  | 114735   | 44.280 | ng    | 97       |
| 9) Benzaldehyde               | 6.445  | 77   | 75175    | 31.896 | ng    | 99       |
| 10) Phenol                    | 6.528  | 94   | 144044   | 44.609 | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.628  | 93   | 102962   | 42.694 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 132629   | 44.756 | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 134060   | 44.820 | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.063  | 146  | 125513   | 44.437 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.034  | 79   | 98987    | 46.585 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.169  | 45   | 132267   | 41.921 | ng    | 97       |
| 17) 2-Methylphenol            | 7.140  | 107  | 94465    | 45.321 | ng    | 99       |
| 18) Hexachloroethane          | 7.410  | 117  | 41354    | 42.800 | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 80418    | 44.825 | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.292  | 107  | 123838   | 45.117 | ng    | 91       |
| 22) Acetophenone              | 7.304  | 105  | 178019   | 51.534 | ng    | 99       |
| 24) Nitrobenzene              | 7.475  | 77   | 114851   | 45.045 | ng    | 98       |
| 25) Isophorone                | 7.716  | 82   | 215484   | 45.700 | ng    | 100      |
| 26) 2-Nitrophenol             | 7.787  | 139  | 62520    | 49.871 | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.822  | 122  | 112147   | 49.832 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.922  | 93   | 132440   | 45.705 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.028  | 162  | 103448   | 45.696 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.116  | 180  | 111056   | 47.352 | ng    | 100      |
| 31) Naphthalene               | 8.198  | 128  | 342848   | 45.281 | ng    | 98       |
| 32) Benzoic acid              | 7.939  | 122  | 79962    | 58.238 | ng    | 97       |
| 33) 4-Chloroaniline           | 8.239  | 127  | 31718    | 12.033 | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.316  | 225  | 68312    | 44.656 | ng    | 100      |
| 35) Caprolactam               | 8.616  | 113  | 30013    | 49.812 | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 8.722  | 107  | 101941   | 45.669 | ng    | 95       |
| 37) 2-Methylnaphthalene       | 8.886  | 142  | 214084   | 41.305 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.986  | 142  | 215674   | 43.360 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.057  | 216  | 122724   | 50.819 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.045  | 237  | 102559   | 82.722 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.163  | 196  | 77053    | 47.783 | ng    | 98       |

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 Sample : Q3048-01MSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-258MSD

Manual Integrations  
 APPROVED

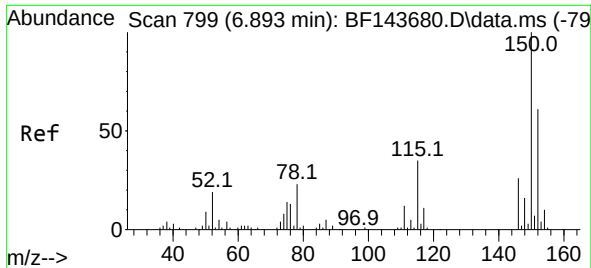
Reviewed By :Rahul Chavli 09/12/2025  
 Supervised By :Jagrut Upadhyay 09/12/2025

Quant Time: Sep 11 15:24:21 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 09 15:20:16 2025  
 Response via : Initial Calibration

| Compound                       | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol      | 9.198  | 196  | 76645    | 46.754  | ng    | 98       |
| 46) 1,1'-Biphenyl              | 9.351  | 154  | 316018   | 52.038  | ng    | 100      |
| 47) 2-Chloronaphthalene        | 9.381  | 162  | 218695   | 45.936  | ng    | 100      |
| 48) 2-Nitroaniline             | 9.469  | 65   | 61866    | 49.104  | ng    | 96       |
| 49) Acenaphthylene             | 9.798  | 152  | 372546   | 54.629  | ng    | 99       |
| 50) Dimethylphthalate          | 9.657  | 163  | 260760   | 47.512  | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.716  | 165  | 54086    | 51.542  | ng    | 95       |
| 52) Acenaphthene               | 9.969  | 154  | 225636   | 48.015  | ng    | 98       |
| 53) 3-Nitroaniline             | 9.881  | 138  | 34374    | 30.439  | ng    | 98       |
| 54) 2,4-Dinitrophenol          | 9.986  | 184  | 48843    | 86.064  | ng    | # 51     |
| 55) Dibenzofuran               | 10.139 | 168  | 306691   | 45.386  | ng    | 99       |
| 56) 4-Nitrophenol              | 10.033 | 139  | 78803    | 87.713  | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 10.116 | 165  | 71850    | 50.309  | ng    | 97       |
| 58) Fluorene                   | 10.481 | 166  | 242974   | 45.934  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.251 | 232  | 62996    | 47.392  | ng    | 99       |
| 60) Diethylphthalate           | 10.357 | 149  | 242517   | 47.067  | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.475 | 204  | 120555   | 44.939  | ng    | 99       |
| 62) 4-Nitroaniline             | 10.498 | 138  | 45245    | 42.303  | ng    | 98       |
| 63) Azobenzene                 | 10.633 | 77   | 225836   | 49.578  | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph...  | 10.522 | 198  | 32370    | 51.688  | ng    | 99       |
| 66) n-Nitrosodiphenylamine     | 10.592 | 169  | 203283   | 50.448  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether  | 10.969 | 248  | 73349    | 49.450  | ng    | 98       |
| 68) Hexachlorobenzene          | 11.028 | 284  | 72735    | 46.440  | ng    | 96       |
| 69) Atrazine                   | 11.122 | 200  | 61725    | 48.854  | ng    | 98       |
| 70) Pentachlorophenol          | 11.222 | 266  | 105195   | 111.108 | ng    | 98       |
| 71) Phenanthrene               | 11.445 | 178  | 342150   | 50.485  | ng    | 99       |
| 72) Anthracene                 | 11.498 | 178  | 347556   | 51.002  | ng    | 100      |
| 73) Carbazole                  | 11.651 | 167  | 256850   | 46.023  | ng    | 100      |
| 74) Di-n-butylphthalate        | 11.980 | 149  | 338521   | 50.382  | ng    | 100      |
| 75) Fluoranthene               | 12.633 | 202  | 419338   | 67.400  | ng    | 99       |
| 77) Benzidine                  | 12.757 | 184  | 69721    | 21.722  | ng    | 100      |
| 78) Pyrene                     | 12.869 | 202  | 456732   | 58.037  | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.480 | 149  | 115677   | 46.914  | ng    | 99       |
| 81) Benzo(a)anthracene         | 14.057 | 228  | 434757   | 68.657  | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine     | 14.016 | 252  | 50341    | 25.841  | ng    | 99       |
| 83) Chrysene                   | 14.092 | 228  | 376163   | 64.861  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha...  | 14.045 | 149  | 163932   | 46.596  | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.657 | 149  | 291005   | 46.158  | ng    | # 99     |
| 87) Indeno(1,2,3-cd)pyrene     | 17.045 | 276  | 248572   | 33.386  | ng    | 100      |
| 88) Benzo(b)fluoranthene       | 15.116 | 252  | 507892   | 78.208  | ng    | 98       |
| 89) Benzo(k)fluoranthene       | 15.145 | 252  | 302198   | 51.561  | ng    | 99       |
| 90) Benzo(a)pyrene             | 15.486 | 252  | 379295   | 66.482  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 17.062 | 278  | 178125   | 28.836  | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.498 | 276  | 187965   | 32.532  | ng    | 99       |

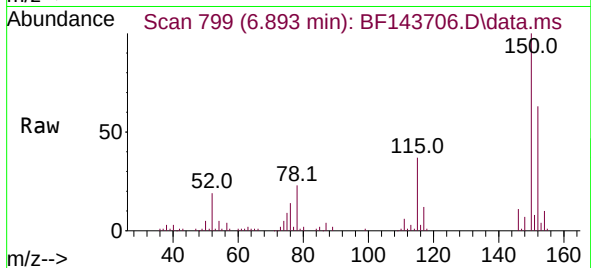
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.893 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

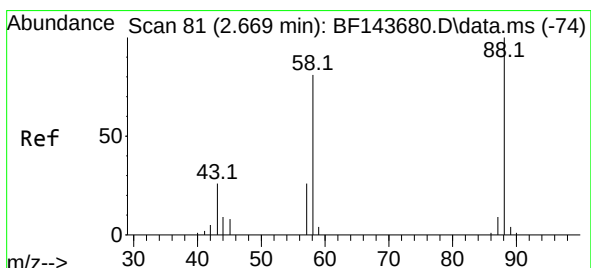
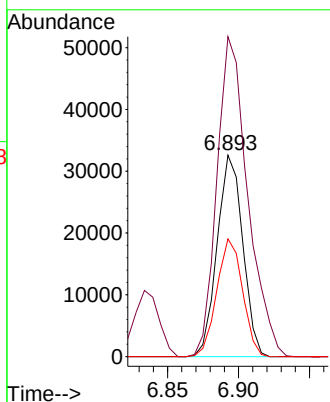
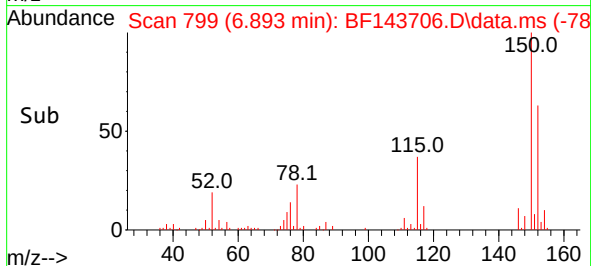
Instrument :  
BNA\_F  
Client Sample Id :  
VNJ-258MSD



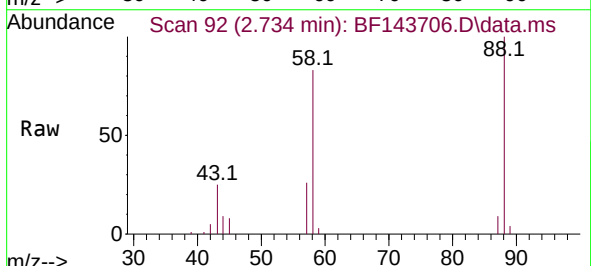
Tgt Ion: 152 Resp: 40932  
Ion Ratio Lower Upper  
152 100  
150 158.9 130.7 196.1  
115 58.4 45.9 68.9

Manual Integrations  
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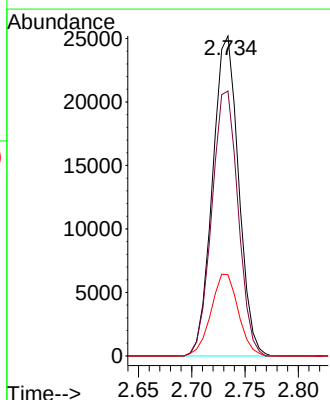
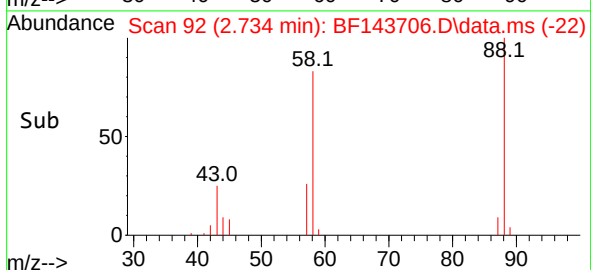
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025

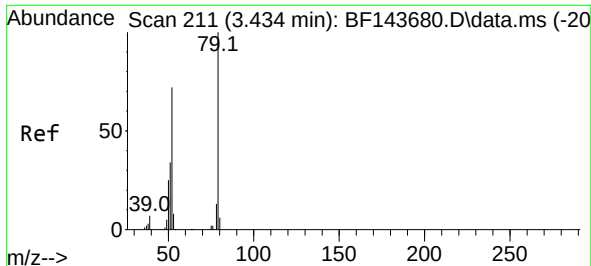


#2  
1,4-Dioxane  
Concen: 40.009 ng  
RT: 2.734 min Scan# 92  
Delta R.T. 0.065 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02



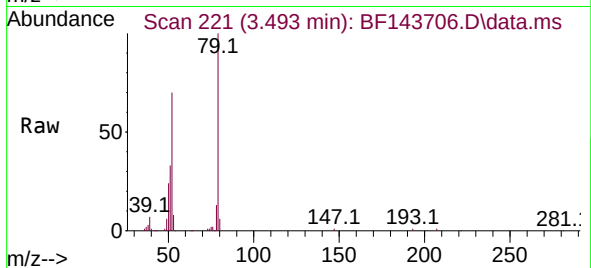
Tgt Ion: 88 Resp: 42816  
Ion Ratio Lower Upper  
88 100  
58 83.6 65.8 98.6  
43 26.8 20.6 31.0





#3  
Pyridine  
Concen: 39.136 ng  
RT: 3.493 min Scan# 211  
Delta R.T. 0.059 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

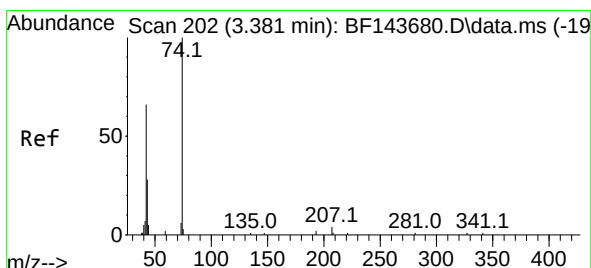
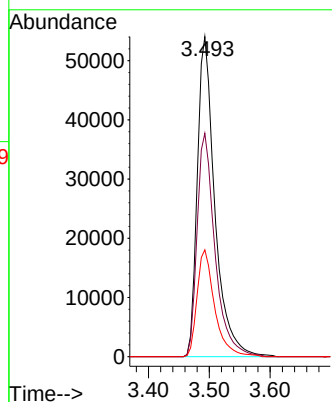
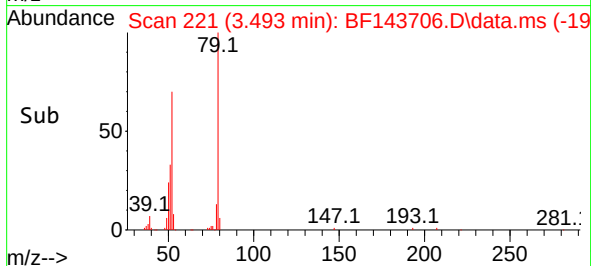
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-258MSD



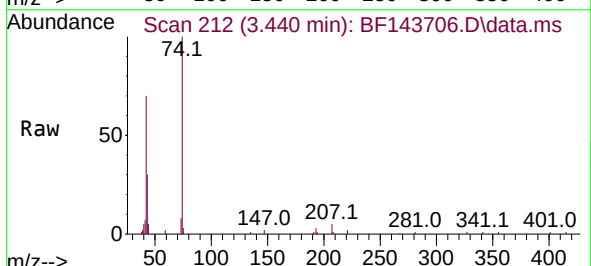
Tgt Ion: 79 Resp: 10819  
Ion Ratio Lower Upper  
79 100  
52 69.8 57.2 85.8  
51 33.4 27.0 40.6

Manual Integrations  
APPROVED

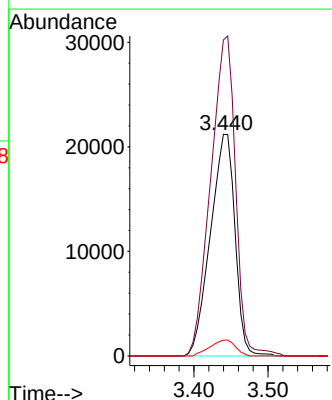
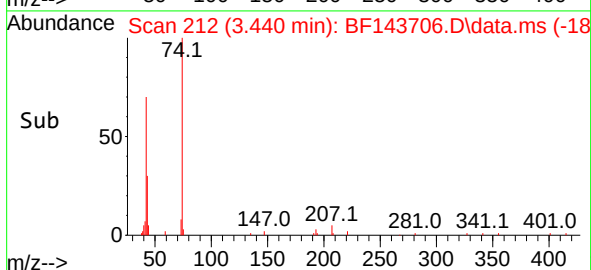
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025

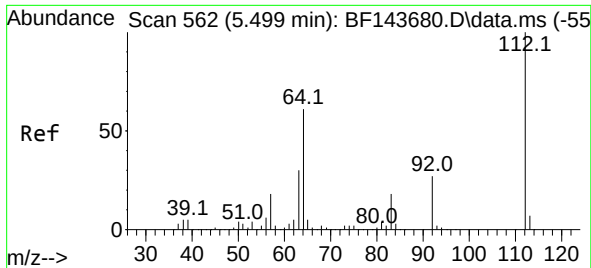


#4  
n-Nitrosodimethylamine  
Concen: 46.486 ng  
RT: 3.440 min Scan# 212  
Delta R.T. 0.059 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02



Tgt Ion: 42 Resp: 48815  
Ion Ratio Lower Upper  
42 100  
74 142.6 120.9 181.3  
44 7.1 6.5 9.7





#5  
2-Fluorophenol  
Concen: 96.857 ng  
RT: 5.510 min Scan# 50  
Delta R.T. 0.012 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

Instrument :

BNA\_F

ClientSampleId :

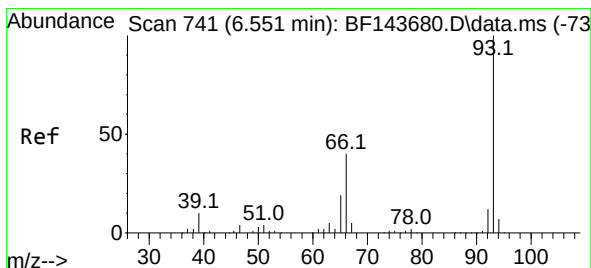
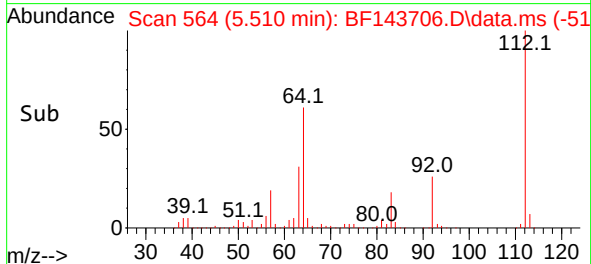
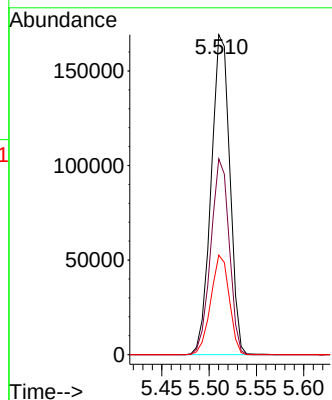
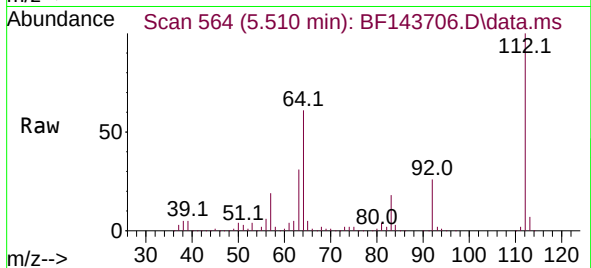
VNJ-258MSD

Tgt Ion:112 Resp: 232370  
Ion Ratio Lower Upper  
112 100  
64 61.2 49.0 73.4  
63 31.1 24.3 36.5

Manual Integrations

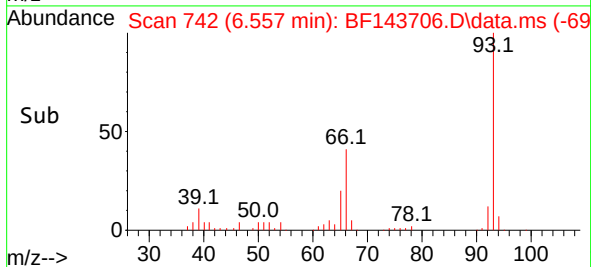
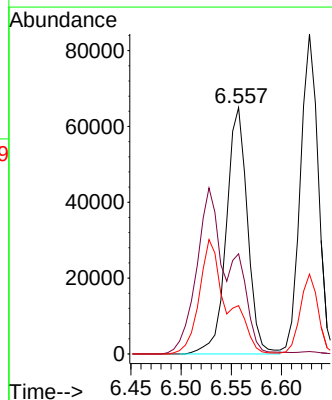
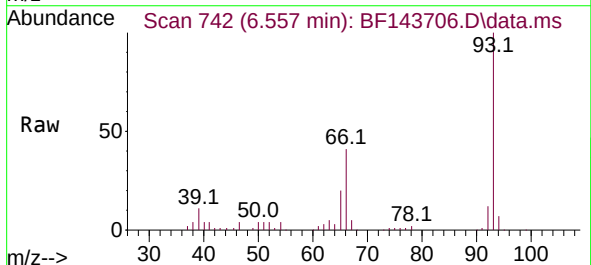
APPROVED

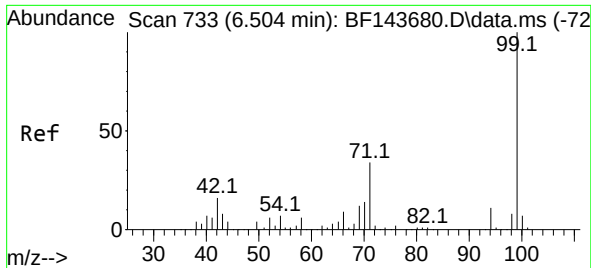
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#6  
Aniline  
Concen: 24.521 ng m  
RT: 6.557 min Scan# 742  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

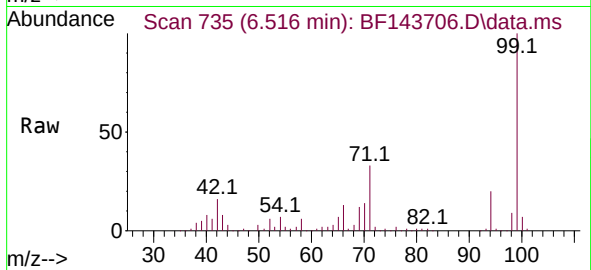
Tgt Ion: 93 Resp: 94871  
Ion Ratio Lower Upper  
93 100  
66 40.6 34.1 51.1  
65 19.6 16.1 24.1





#7  
Phenol-d6  
Concen: 98.677 ng  
RT: 6.516 min Scan# 734  
Delta R.T. 0.012 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

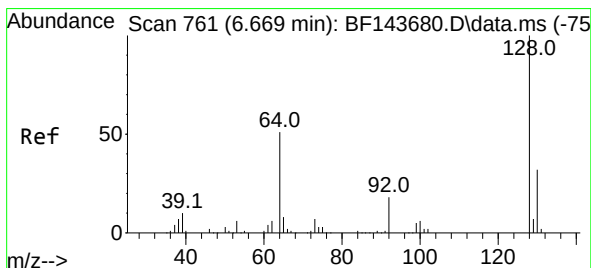
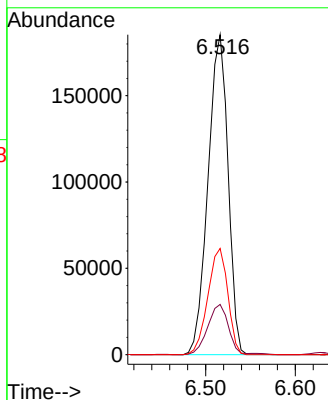
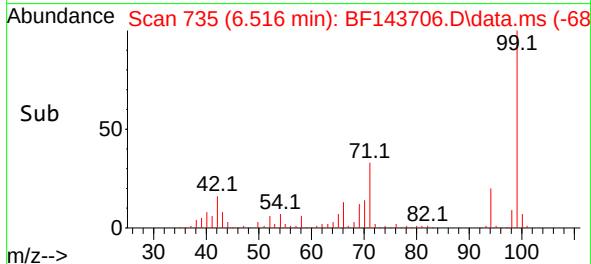
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-258MSD



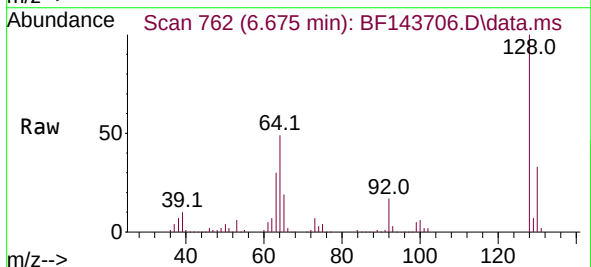
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Ion Ratio Lower Upper  
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42 15.7 13.0 19.4  
71 33.2 27.4 41.2

Manual Integrations  
APPROVED

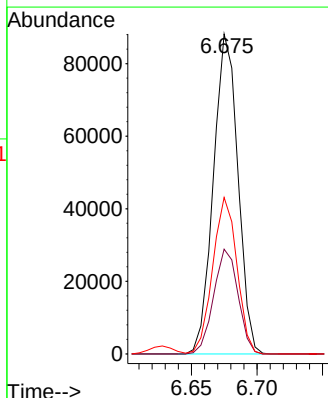
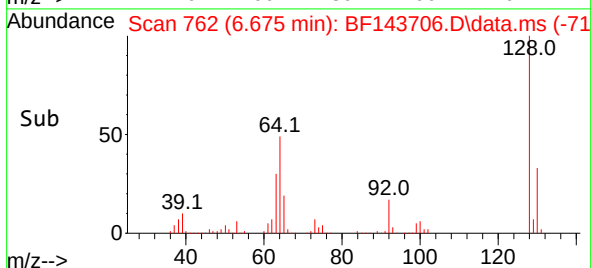
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025

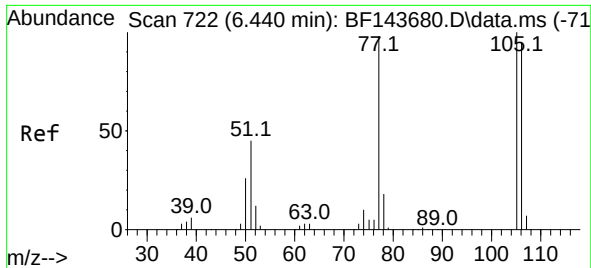


#8  
2-Chlorophenol  
Concen: 44.280 ng  
RT: 6.675 min Scan# 762  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02



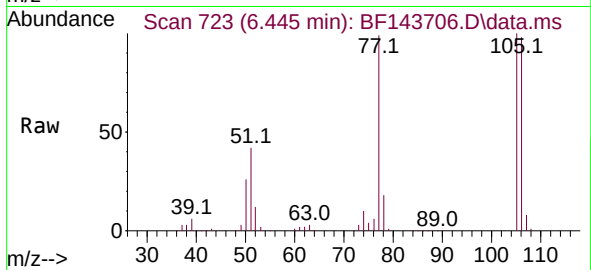
Tgt Ion:128 Resp: 114735  
Ion Ratio Lower Upper  
128 100  
130 32.7 12.0 52.0  
64 48.9 31.9 71.9





#9  
Benzaldehyde  
Concen: 31.896 ng  
RT: 6.445 min Scan# 721  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

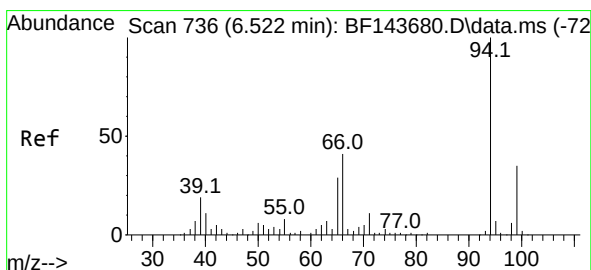
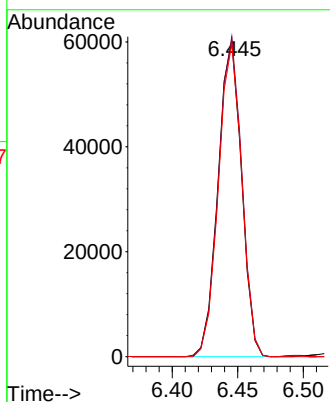
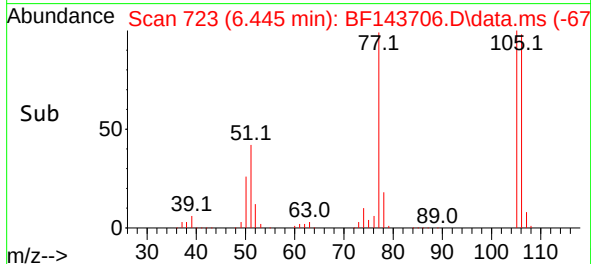
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-258MSD



Tgt Ion: 77 Resp: 75175  
Ion Ratio Lower Upper  
77 100  
105 101.4 81.7 121.7  
106 99.2 76.9 116.9

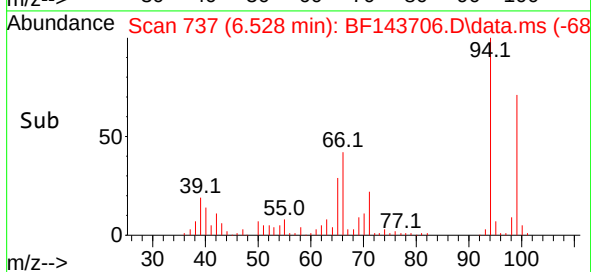
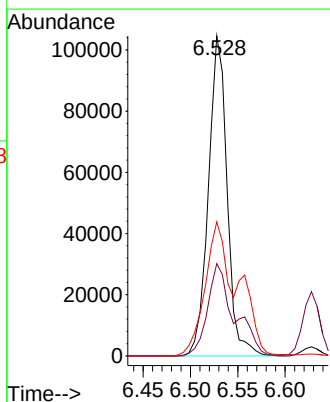
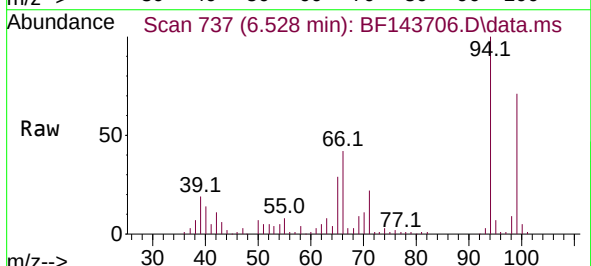
Manual Integrations  
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Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025

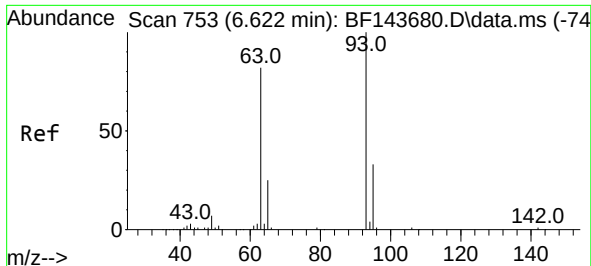


#10  
Phenol  
Concen: 44.609 ng  
RT: 6.528 min Scan# 737  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

Tgt Ion: 94 Resp: 144044  
Ion Ratio Lower Upper  
94 100  
65 28.8 9.1 49.1  
66 41.9 20.8 60.8

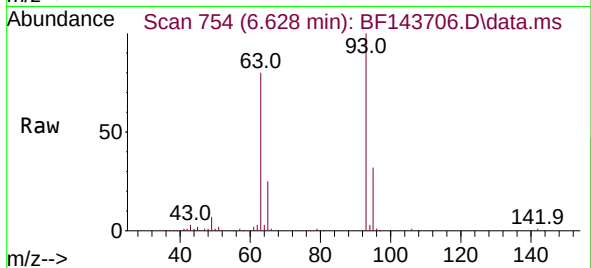






#11  
bis(2-Chloroethyl)ether  
Concen: 42.694 ng  
RT: 6.628 min Scan# 753  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

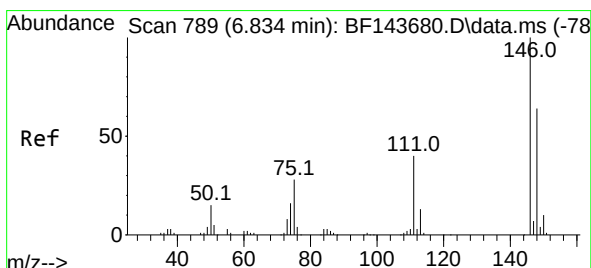
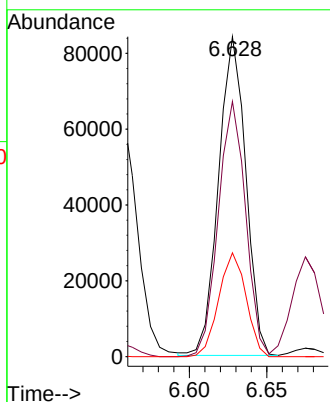
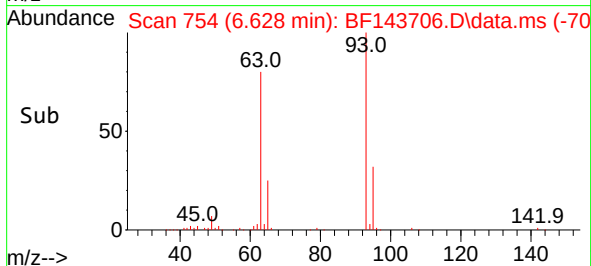
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-258MSD



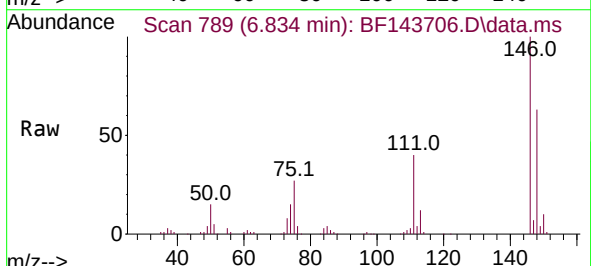
Tgt Ion: 93 Resp: 102962  
Ion Ratio Lower Upper  
93 100  
63 79.7 61.8 101.8  
95 32.4 12.6 52.6

Manual Integrations  
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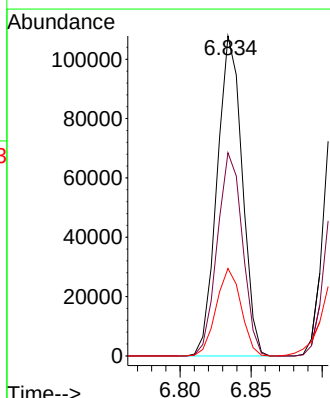
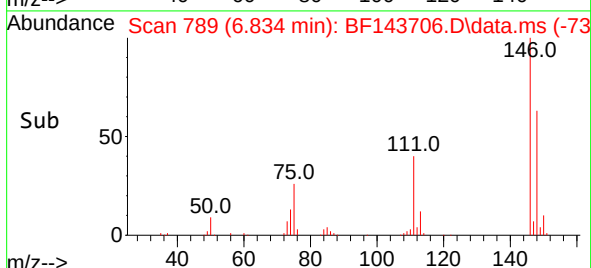
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025

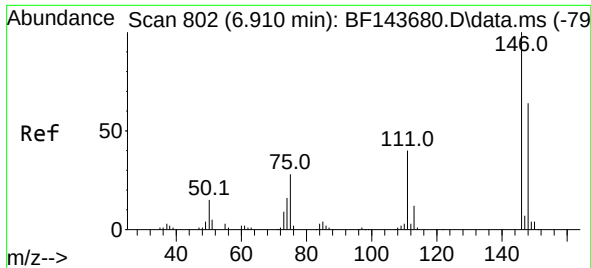


#12  
1,3-Dichlorobenzene  
Concen: 44.756 ng  
RT: 6.834 min Scan# 789  
Delta R.T. -0.000 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02



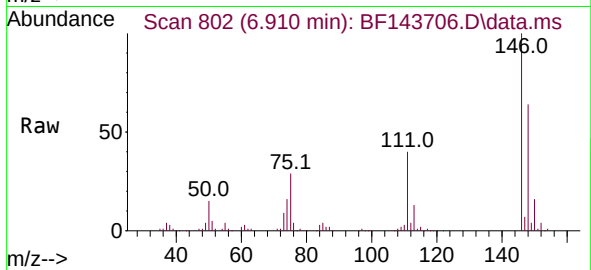
Tgt Ion:146 Resp: 132629  
Ion Ratio Lower Upper  
146 100  
148 63.5 51.0 76.4  
75 27.3 22.0 33.0





#13  
1,4-Dichlorobenzene  
Concen: 44.820 ng  
RT: 6.910 min Scan# 802  
Delta R.T. -0.000 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

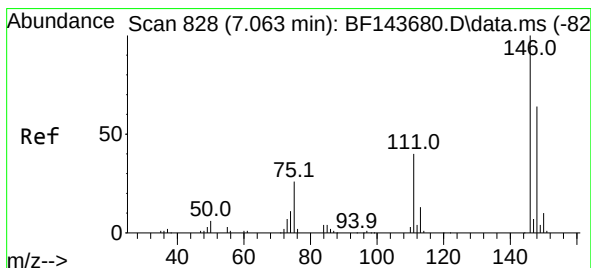
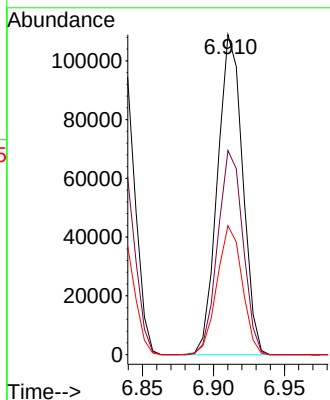
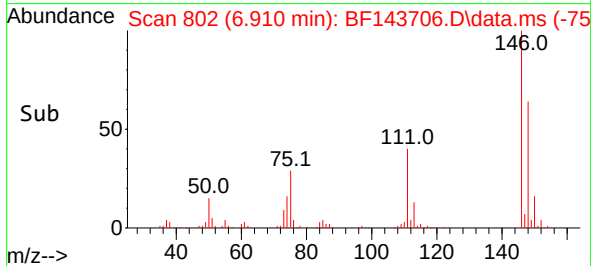
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-258MSD



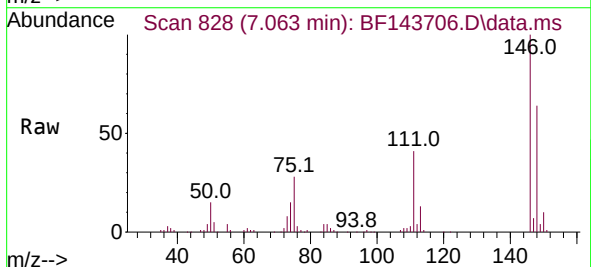
Tgt Ion:146 Resp: 134060  
Ion Ratio Lower Upper  
146 100  
148 63.8 51.2 76.8  
111 40.3 31.8 47.8

Manual Integrations  
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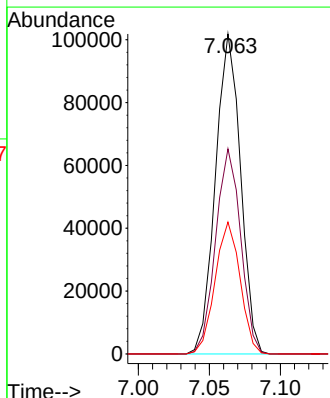
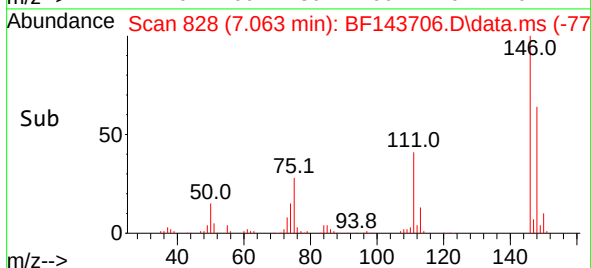
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025

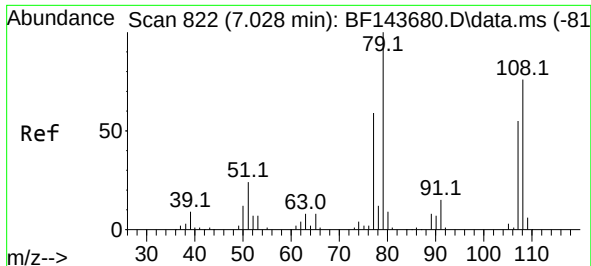


#14  
1,2-Dichlorobenzene  
Concen: 44.437 ng  
RT: 7.063 min Scan# 828  
Delta R.T. -0.000 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02



Tgt Ion:146 Resp: 125513  
Ion Ratio Lower Upper  
146 100  
148 64.1 51.0 76.4  
111 41.2 32.3 48.5





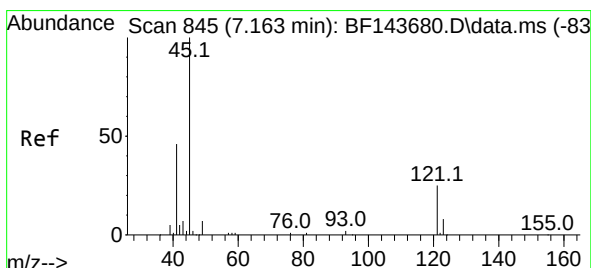
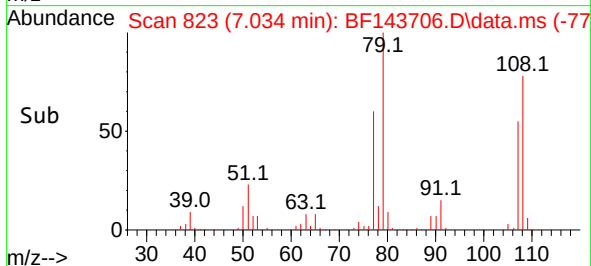
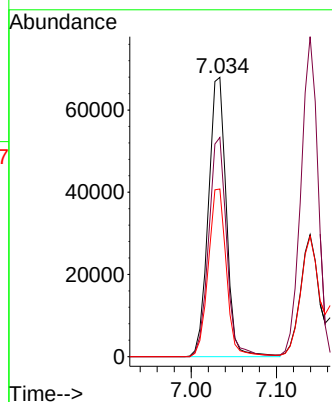
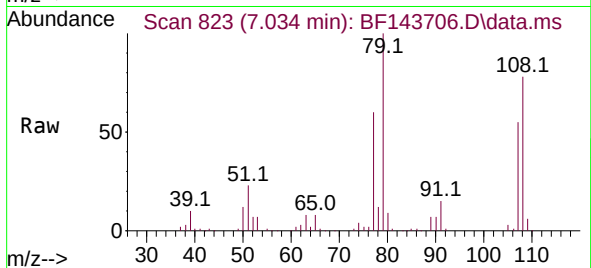
#15  
Benzyl Alcohol  
Concen: 46.585 ng  
RT: 7.034 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-258MSD

Tgt Ion: 79 Resp: 9898  
Ion Ratio Lower Upper  
79 100  
108 78.5 60.9 91.3  
77 60.0 47.4 71.2

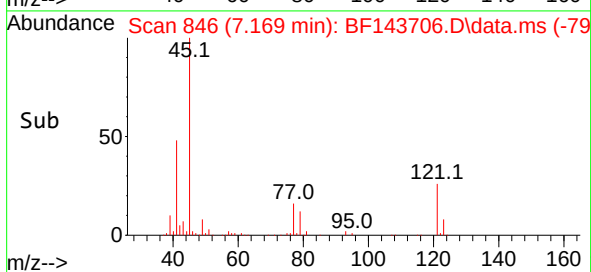
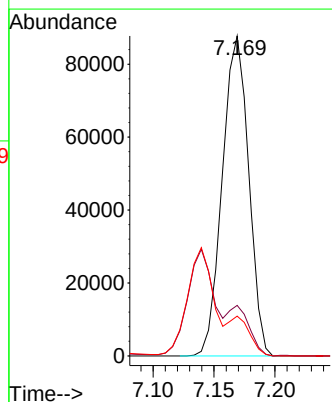
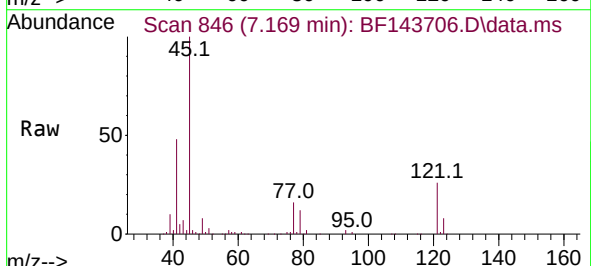
Manual Integrations  
APPROVED

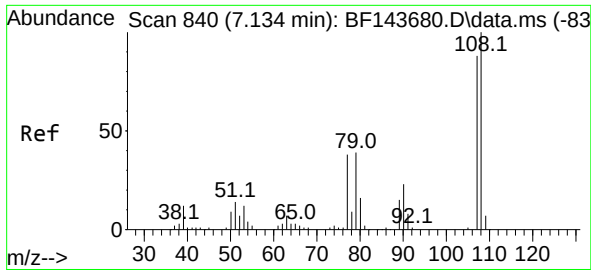
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 41.921 ng  
RT: 7.169 min Scan# 846  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

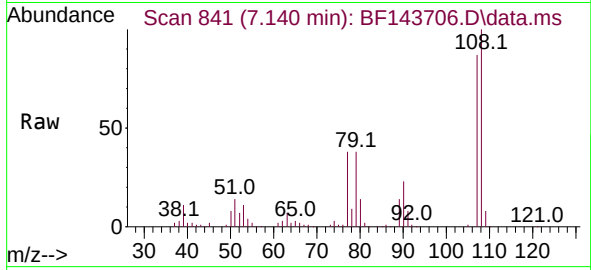
Tgt Ion: 45 Resp: 132267  
Ion Ratio Lower Upper  
45 100  
77 15.8 0.0 34.6  
79 12.4 0.0 31.3





#17  
2-Methylphenol  
Concen: 45.321 ng  
RT: 7.140 min Scan# 841  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

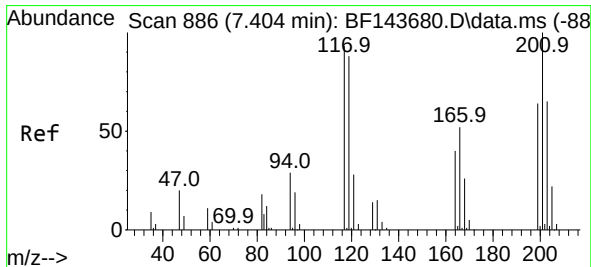
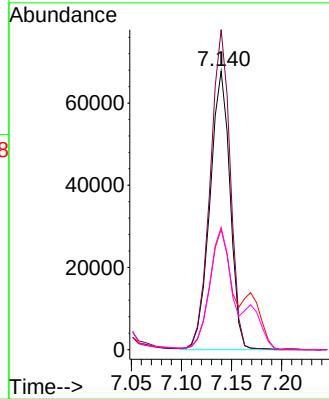
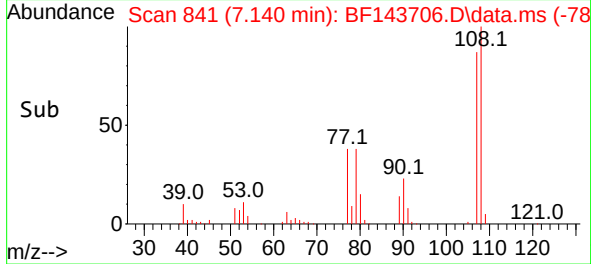
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-258MSD



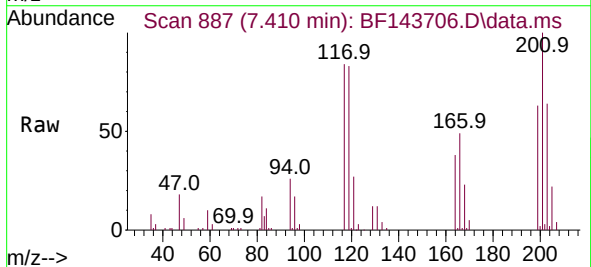
Tgt Ion:107 Resp: 9446  
Ion Ratio Lower Upper  
107 100  
108 114.9 90.9 136.3  
77 43.2 34.4 51.6  
79 43.8 35.3 52.9

Manual Integrations  
APPROVED

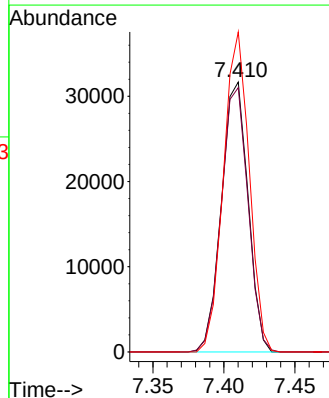
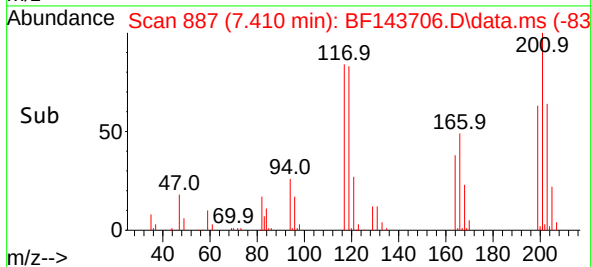
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025

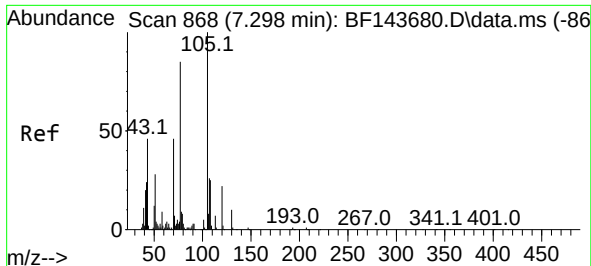


#18  
Hexachloroethane  
Concen: 42.800 ng  
RT: 7.410 min Scan# 887  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02



Tgt Ion:117 Resp: 41354  
Ion Ratio Lower Upper  
117 100  
119 97.9 76.2 114.2  
201 118.6 86.4 129.6





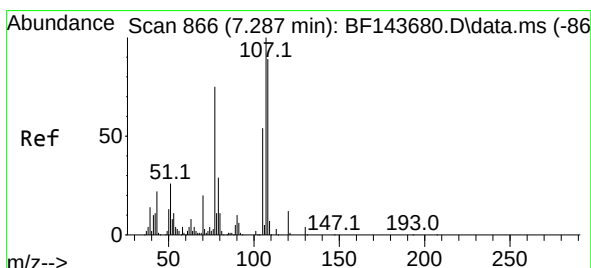
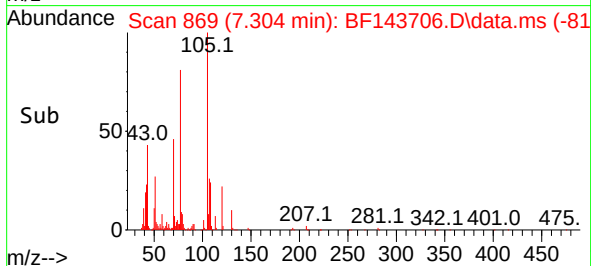
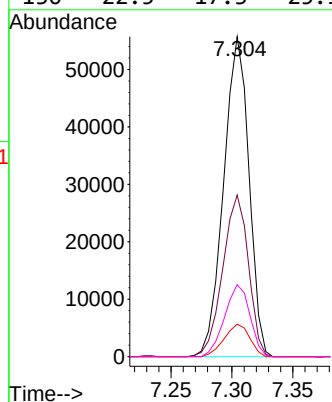
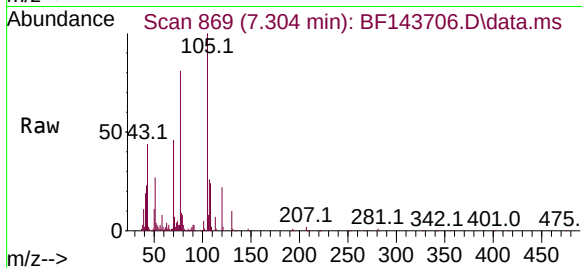
#19  
n-Nitroso-di-n-propylamine  
Concen: 44.825 ng  
RT: 7.304 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-258MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 80418 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 50.5  | 41.4  | 62.2  |
| 101      | 10.1  | 8.1   | 12.1  |
| 130      | 22.5  | 17.3  | 25.9  |

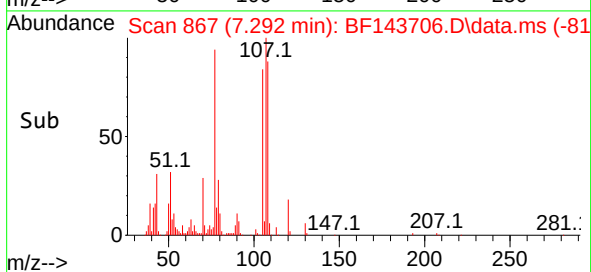
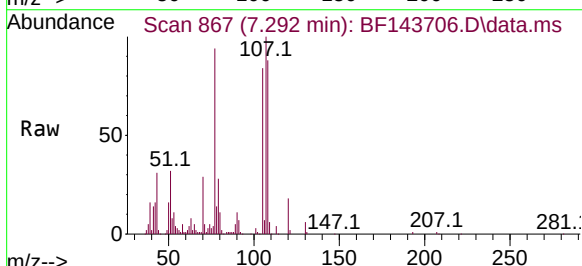
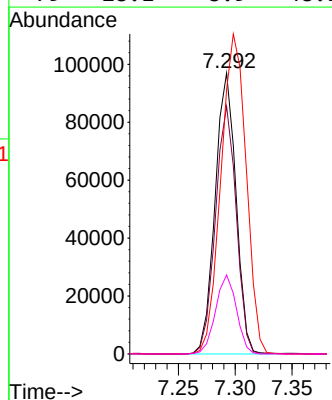
Manual Integrations  
APPROVED

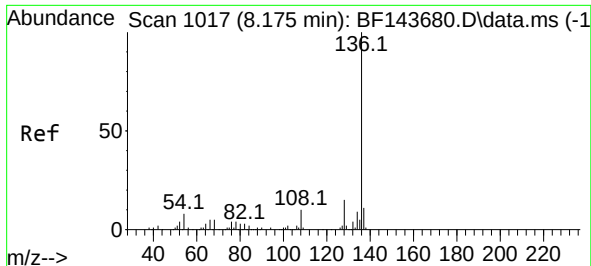
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#20  
3+4-Methylphenols  
Concen: 45.117 ng  
RT: 7.292 min Scan# 867  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 123838 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 88.2  | 68.6  | 108.6  |
| 77       | 94.1  | 54.6  | 94.6   |
| 79       | 28.1  | 8.9   | 48.9   |





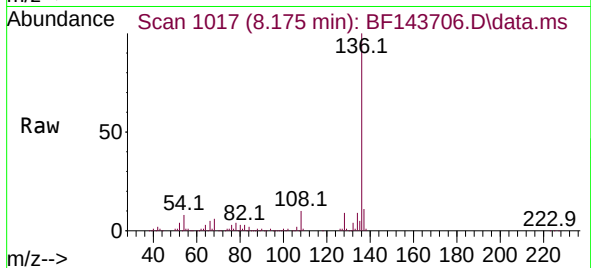
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1017  
Delta R.T. -0.000 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

Instrument :

BNA\_F

ClientSampleId :

VNJ-258MSD

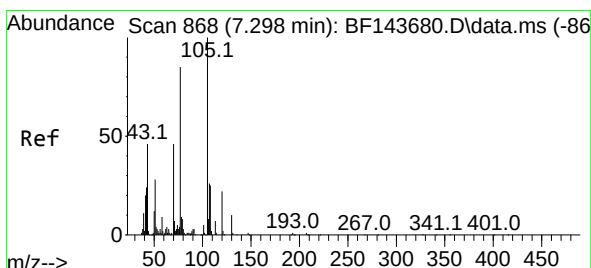
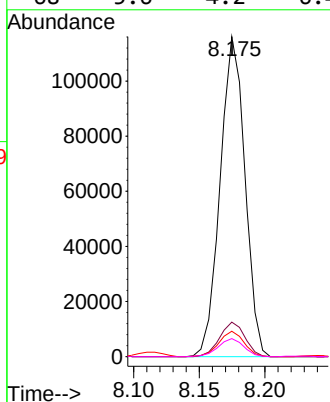
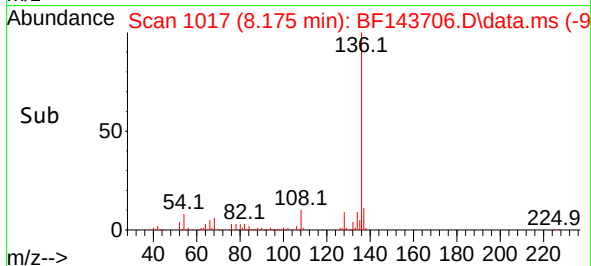


Tgt Ion:136 Resp: 15295  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.7 13.1  
54 7.9 6.2 9.2  
68 5.6 4.2 6.4

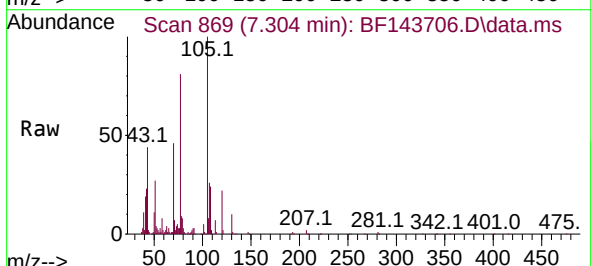
Manual Integrations

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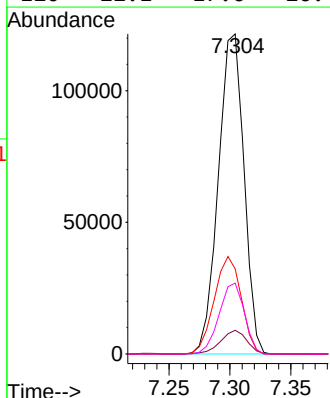
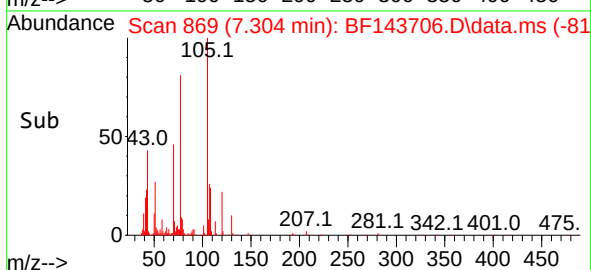
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025

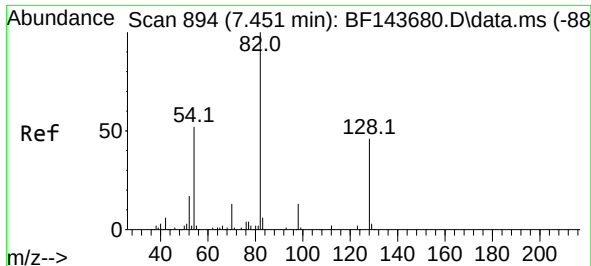


#22  
Acetophenone  
Concen: 51.534 ng  
RT: 7.304 min Scan# 869  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02



Tgt Ion:105 Resp: 178019  
Ion Ratio Lower Upper  
105 100  
71 7.4 5.9 8.9  
51 26.6 22.4 33.6  
120 22.1 17.6 26.4





#23

Nitrobenzene-d5

Concen: 70.526 ng

RT: 7.457 min Scan# 894

Delta R.T. 0.006 min

Lab File: BF143706.D

Acq: 11 Sep 2025 15:02

Instrument :

BNA\_F

ClientSampleId :

VNJ-258MSD

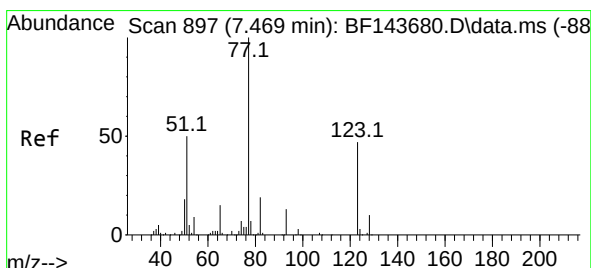
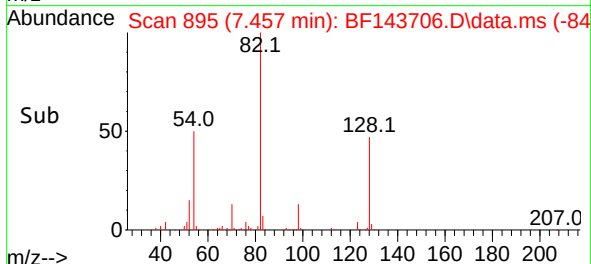
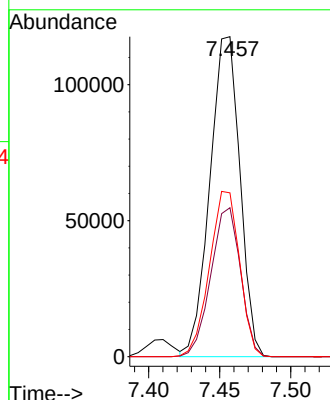
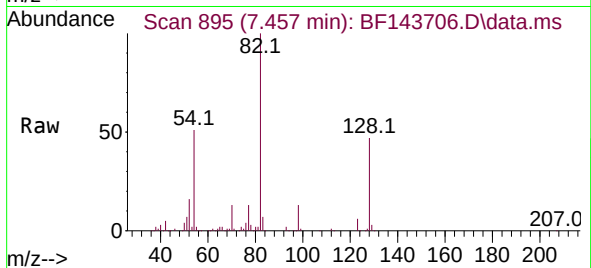
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 173424 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 46.5  | 37.0  | 55.4   |
| 54       | 51.2  | 41.8  | 62.8   |

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#24

Nitrobenzene

Concen: 45.045 ng

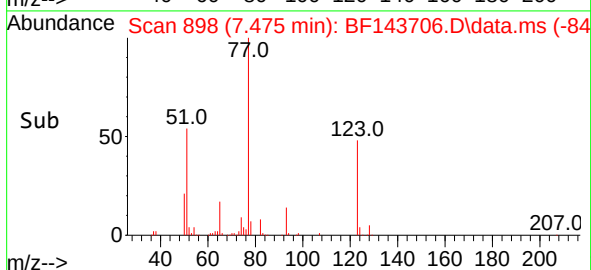
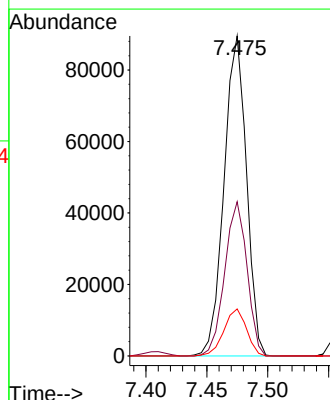
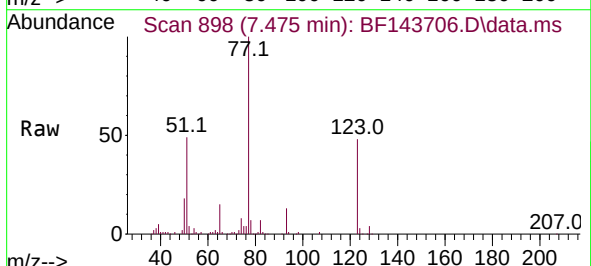
RT: 7.475 min Scan# 898

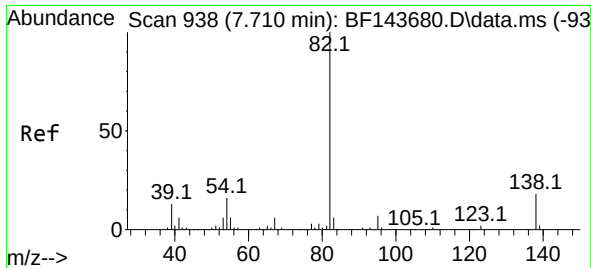
Delta R.T. 0.006 min

Lab File: BF143706.D

Acq: 11 Sep 2025 15:02

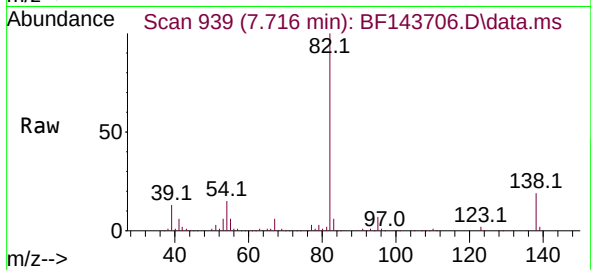
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 114851 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 123      | 48.2  | 37.4  | 56.0   |
| 65       | 14.7  | 11.6  | 17.4   |





#25  
Isophorone  
Concen: 45.700 ng  
RT: 7.716 min Scan# 938  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

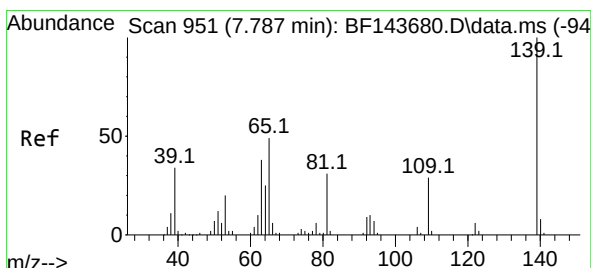
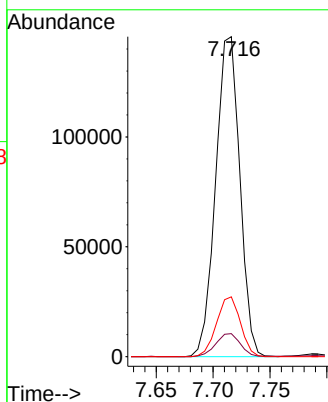
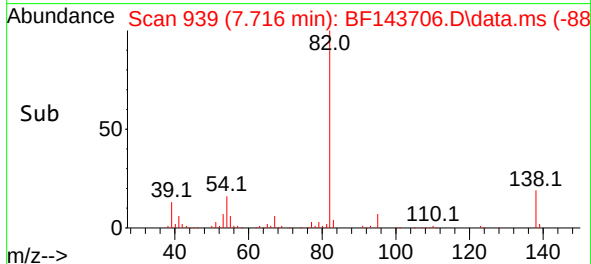
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-258MSD



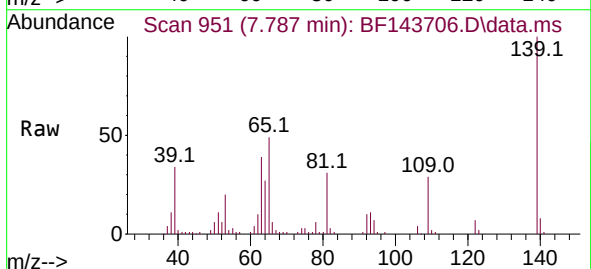
Tgt Ion: 82 Resp: 215484  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.7 8.5  
138 18.7 14.8 22.2

Manual Integrations  
APPROVED

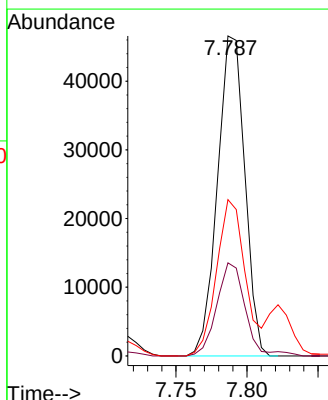
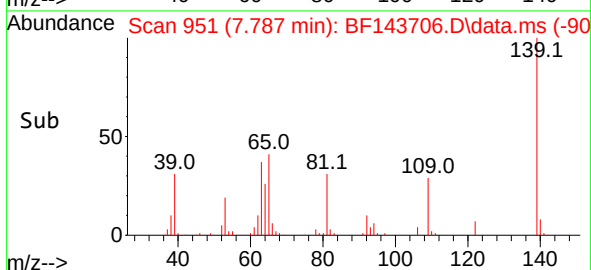
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



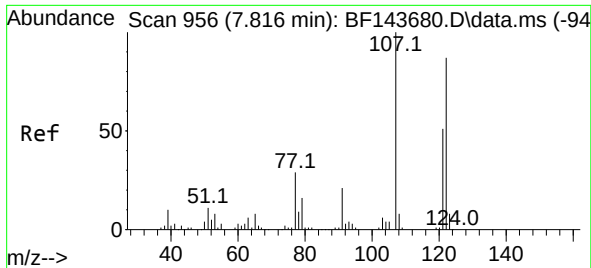
#26  
2-Nitrophenol  
Concen: 49.871 ng  
RT: 7.787 min Scan# 951  
Delta R.T. -0.000 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02



Tgt Ion:139 Resp: 62520  
Ion Ratio Lower Upper  
139 100  
109 29.1 22.8 34.2  
65 48.8 39.2 58.8







#27  
2,4-Dimethylphenol  
Concen: 49.832 ng  
RT: 7.822 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

Instrument :

BNA\_F

ClientSampleId :

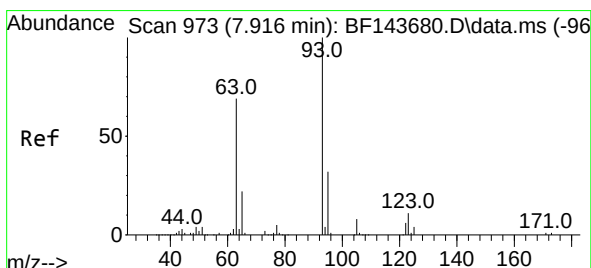
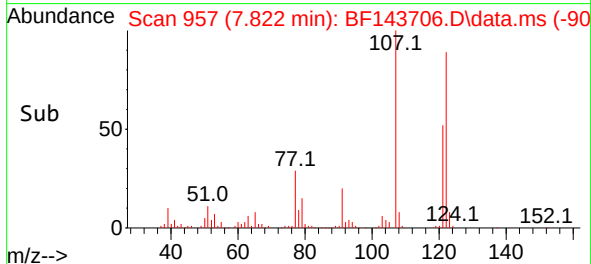
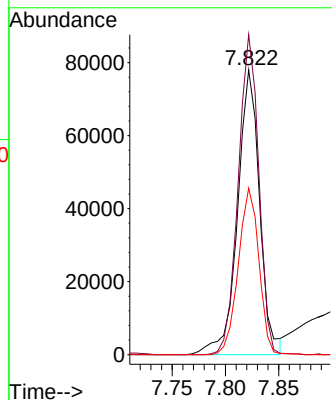
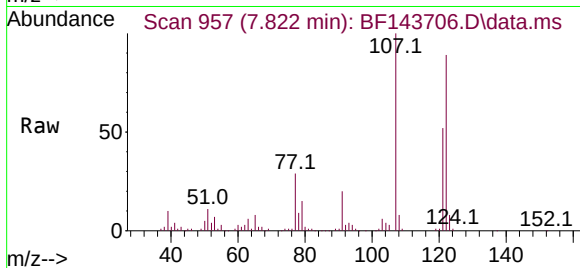
VNJ-258MSD

Tgt Ion:122 Resp: 11214  
Ion Ratio Lower Upper  
122 100  
107 112.4 92.1 138.1  
121 58.5 46.9 70.3

Manual Integrations

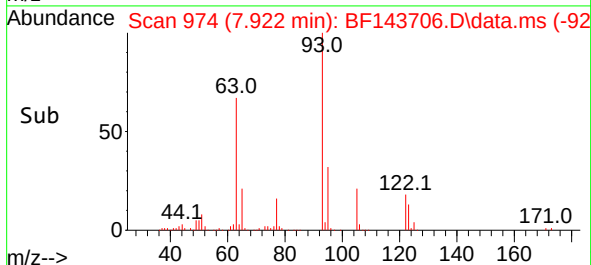
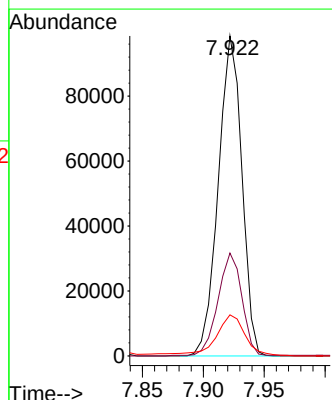
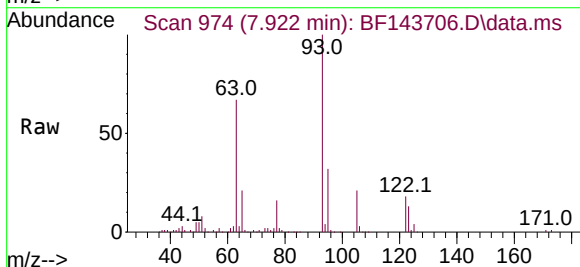
APPROVED

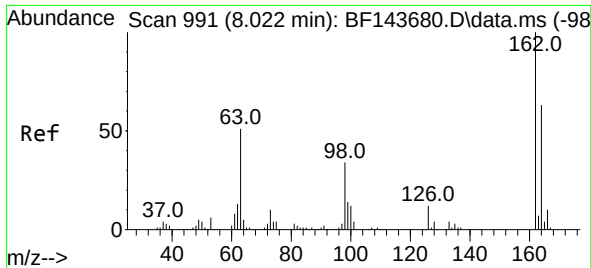
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#28  
bis(2-Chloroethoxy)methane  
Concen: 45.705 ng  
RT: 7.922 min Scan# 974  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

Tgt Ion: 93 Resp: 132440  
Ion Ratio Lower Upper  
93 100  
95 32.1 26.0 39.0  
123 12.8 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 45.696 ng

RT: 8.028 min Scan# 991

Delta R.T. 0.006 min

Lab File: BF143706.D

Acq: 11 Sep 2025 15:02

Instrument :

BNA\_F

ClientSampleId :

VNJ-258MSD

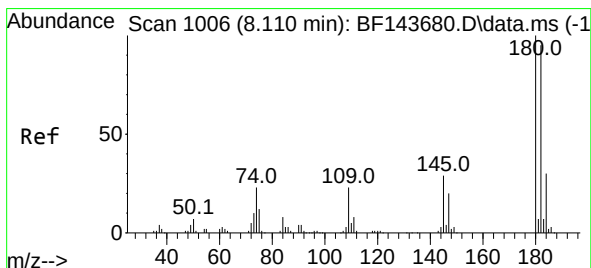
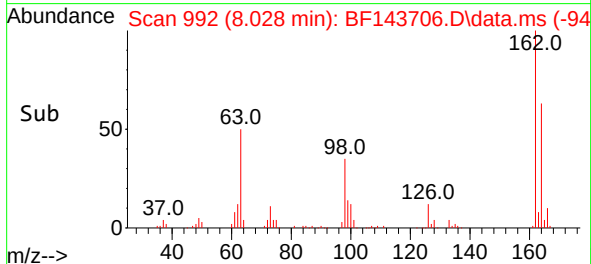
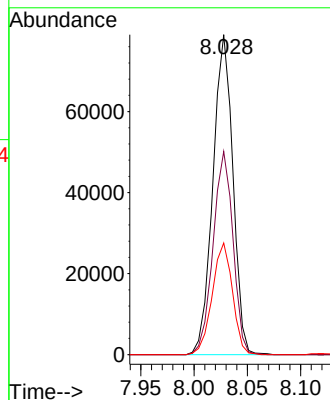
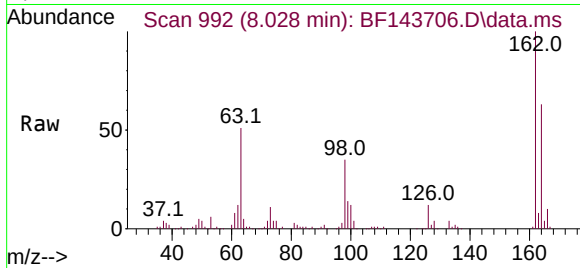
Tgt Ion:162 Resp: 103448  
 Ion Ratio Lower Upper  
 162 100  
 164 63.5 43.0 83.0  
 98 34.9 13.8 53.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#30

1,2,4-Trichlorobenzene

Concen: 47.352 ng

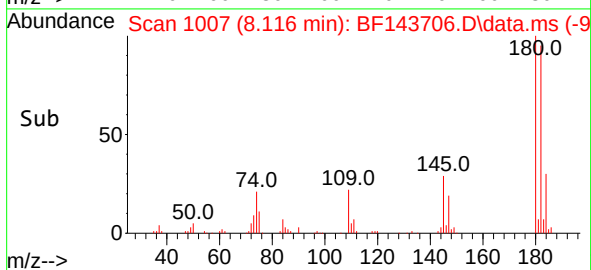
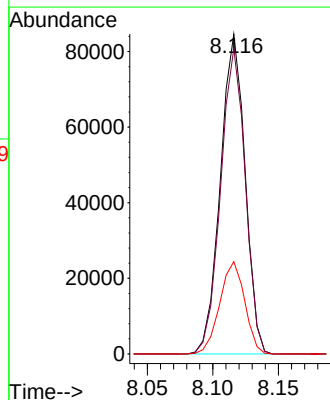
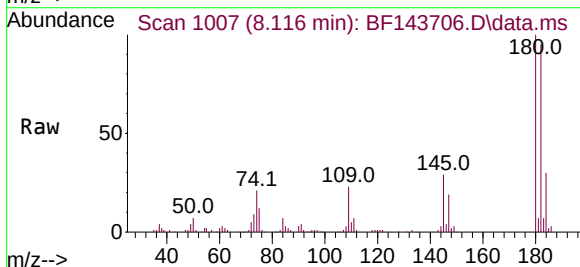
RT: 8.116 min Scan# 1007

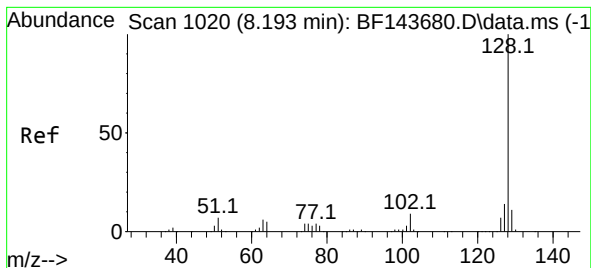
Delta R.T. 0.006 min

Lab File: BF143706.D

Acq: 11 Sep 2025 15:02

Tgt Ion:180 Resp: 111056  
 Ion Ratio Lower Upper  
 180 100  
 182 95.4 76.2 114.4  
 145 28.8 23.2 34.8





#31

Naphthalene

Concen: 45.281 ng

RT: 8.198 min Scan# 1020

Delta R.T. 0.006 min

Lab File: BF143706.D

Acq: 11 Sep 2025 15:02

Instrument :

BNA\_F

ClientSampleId :

VNJ-258MSD

Tgt Ion:128 Resp: 342848

Ion Ratio Lower Upper

128 100

129 10.5 8.8 13.2

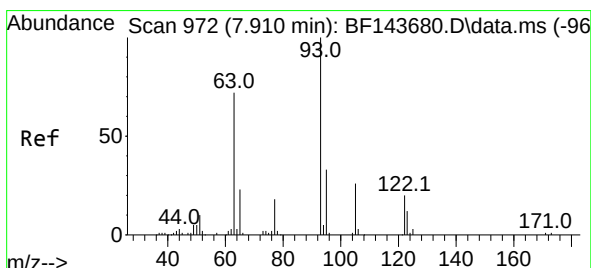
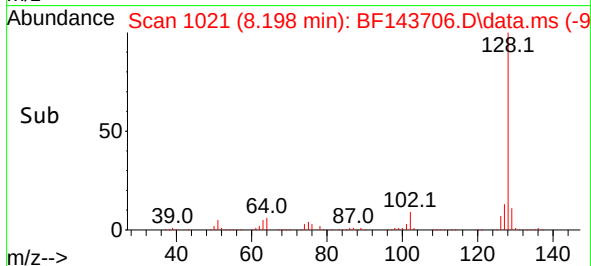
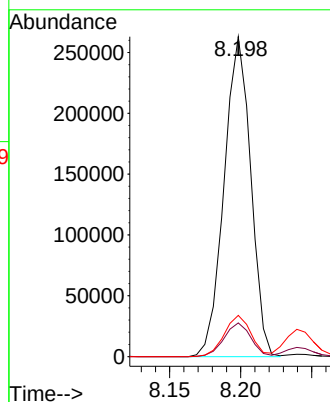
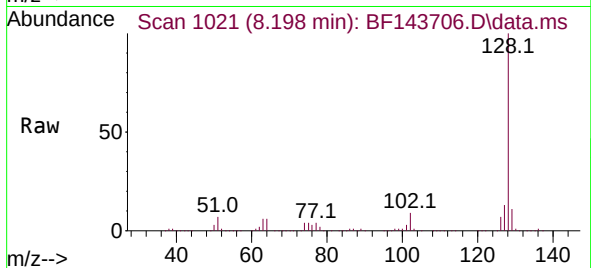
127 12.9 10.9 16.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#32

Benzoic acid

Concen: 58.238 ng

RT: 7.939 min Scan# 977

Delta R.T. 0.029 min

Lab File: BF143706.D

Acq: 11 Sep 2025 15:02

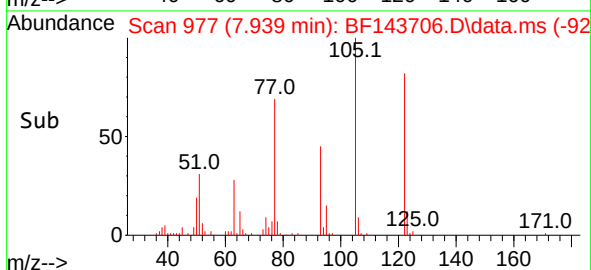
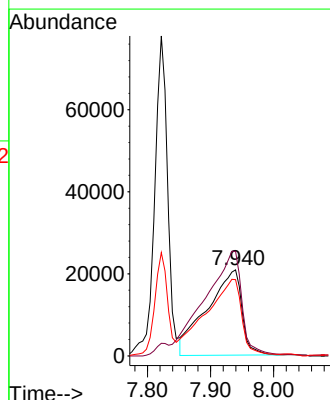
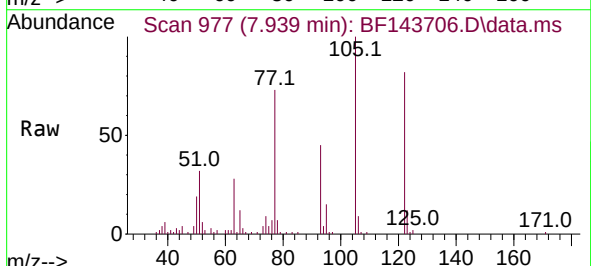
Tgt Ion:122 Resp: 79962

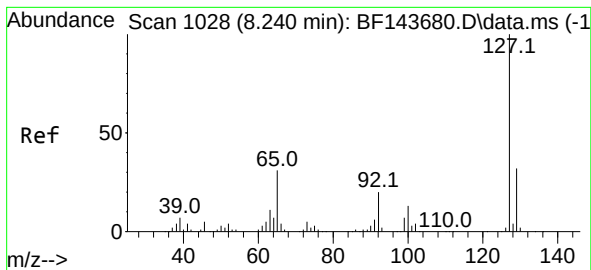
Ion Ratio Lower Upper

122 100

105 121.5 105.2 145.2

77 88.7 72.0 112.0





#33  
4-Chloroaniline  
Concen: 12.033 ng  
RT: 8.239 min Scan# 1028  
Delta R.T. -0.000 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

Instrument :

BNA\_F

ClientSampleId :

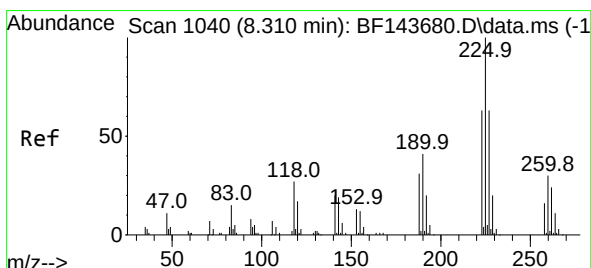
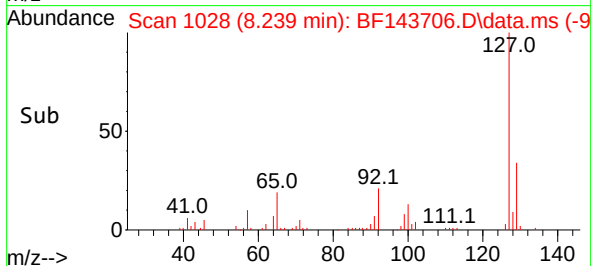
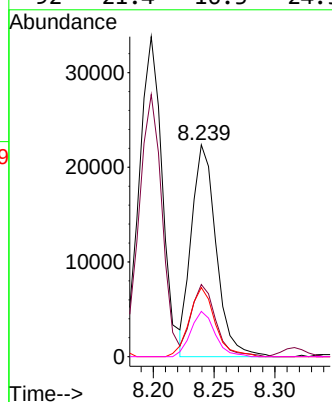
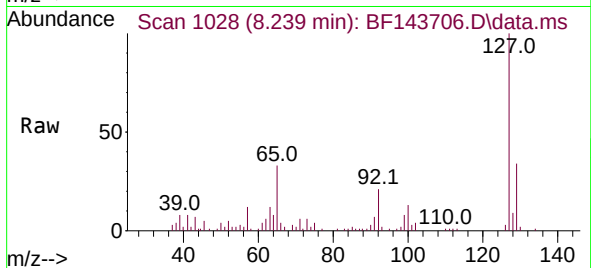
VNJ-258MSD

Tgt Ion:127 Resp: 31718  
Ion Ratio Lower Upper  
127 100  
129 34.0 26.0 39.0  
65 32.6 24.6 36.8  
92 21.4 16.3 24.5

Manual Integrations

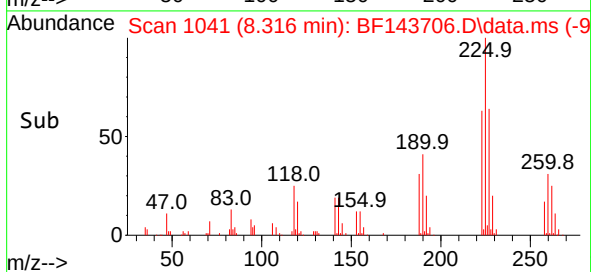
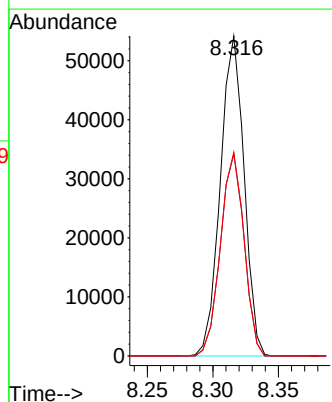
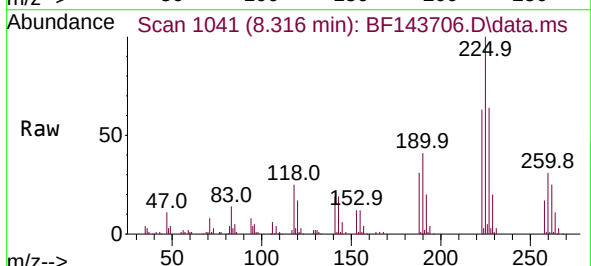
APPROVED

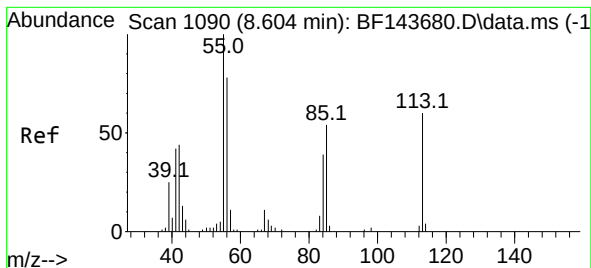
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#34  
Hexachlorobutadiene  
Concen: 44.656 ng  
RT: 8.316 min Scan# 1041  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

Tgt Ion:225 Resp: 68312  
Ion Ratio Lower Upper  
225 100  
223 63.0 50.6 76.0  
227 63.7 50.8 76.2





#35

Caprolactam

Concen: 49.812 ng

RT: 8.616 min Scan# 1090

Delta R.T. 0.012 min

Lab File: BF143706.D

Acq: 11 Sep 2025 15:02

Instrument :

BNA\_F

ClientSampleId :

VNJ-258MSD

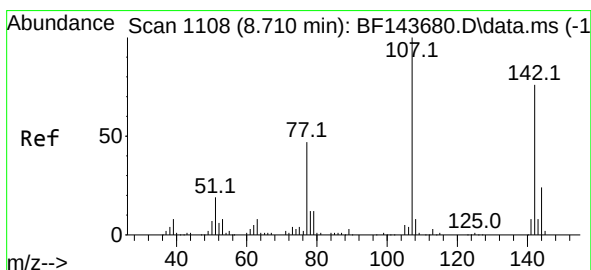
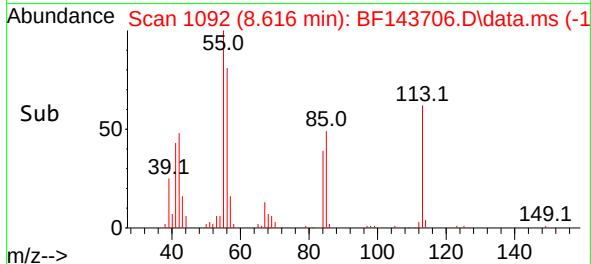
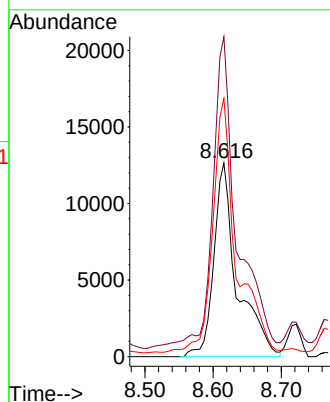
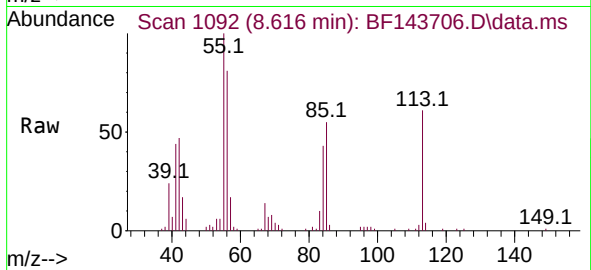
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 30013       |
| Ion Ratio   | Lower | Upper       |
| 113         | 100   |             |
| 55          | 165.2 | 148.9 188.9 |
| 56          | 133.2 | 112.8 152.8 |

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#36

4-Chloro-3-methylphenol

Concen: 45.669 ng

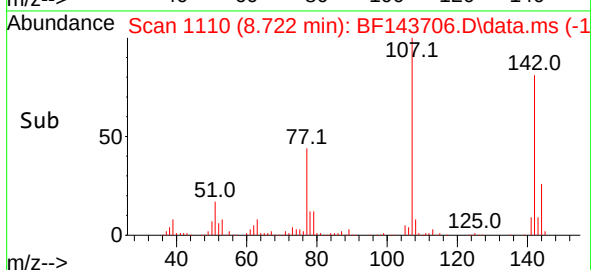
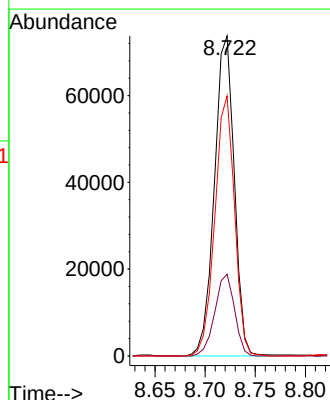
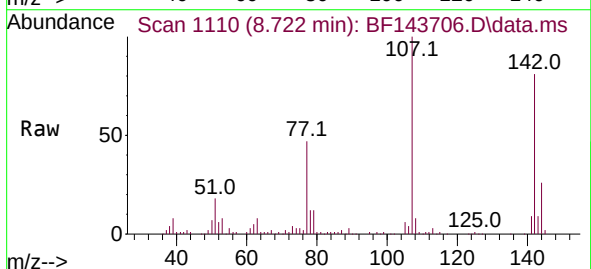
RT: 8.722 min Scan# 1110

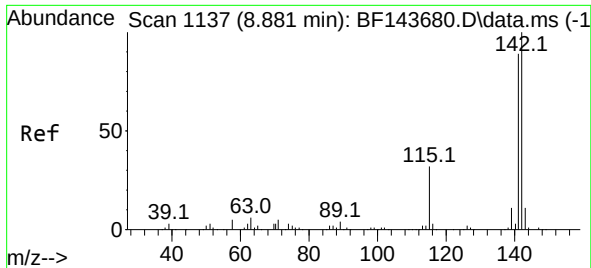
Delta R.T. 0.012 min

Lab File: BF143706.D

Acq: 11 Sep 2025 15:02

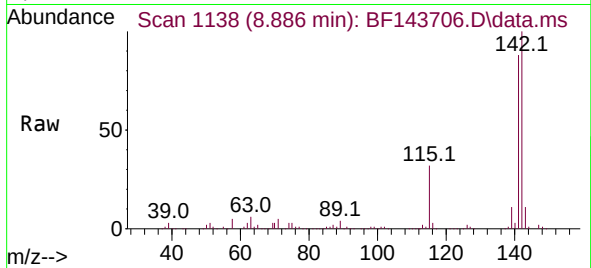
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:107 | Resp: | 101941    |
| Ion Ratio   | Lower | Upper     |
| 107         | 100   |           |
| 144         | 25.5  | 19.4 29.2 |
| 142         | 81.2  | 60.6 91.0 |





#37  
2-Methylnaphthalene  
Concen: 41.305 ng  
RT: 8.886 min Scan# 1137  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

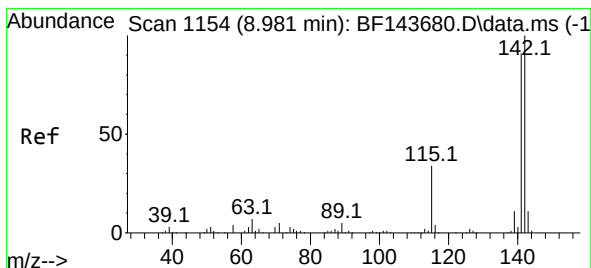
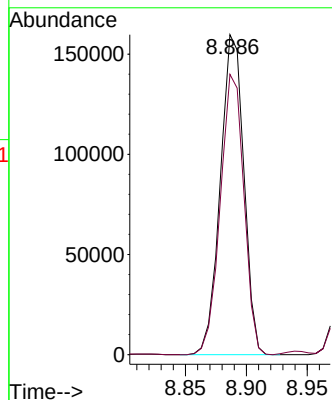
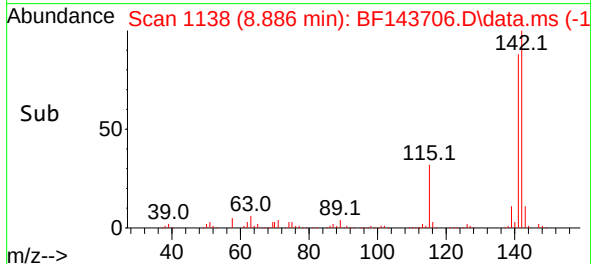
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-258MSD



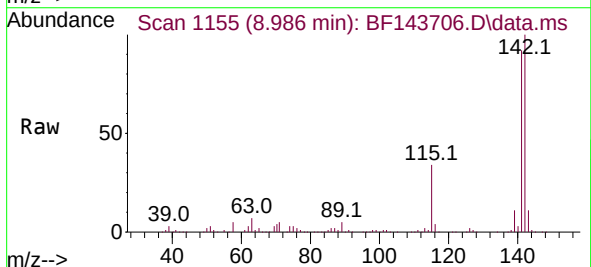
Tgt Ion:142 Resp: 214084  
Ion Ratio Lower Upper  
142 100  
141 87.6 71.1 106.7

Manual Integrations  
APPROVED

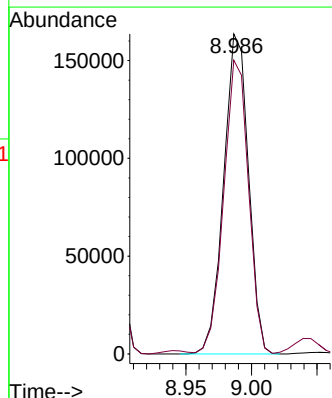
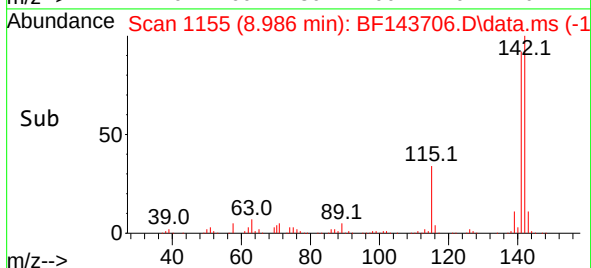
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025

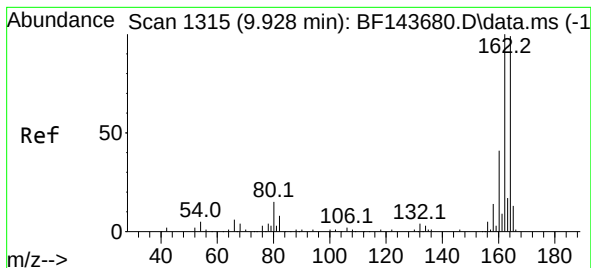


#38  
1-Methylnaphthalene  
Concen: 43.360 ng  
RT: 8.986 min Scan# 1155  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02



Tgt Ion:142 Resp: 215674  
Ion Ratio Lower Upper  
142 100  
141 91.8 72.9 109.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1315

Delta R.T. 0.006 min

Lab File: BF143706.D

Acq: 11 Sep 2025 15:02

Instrument :

BNA\_F

ClientSampleId :

VNJ-258MSD

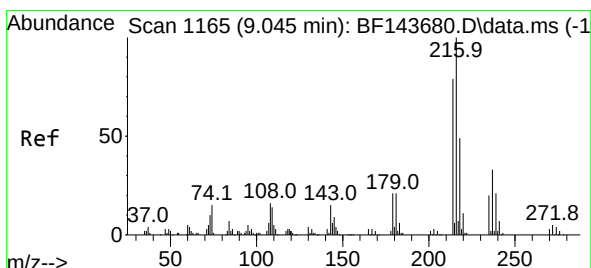
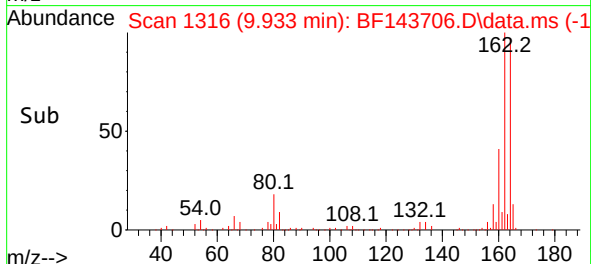
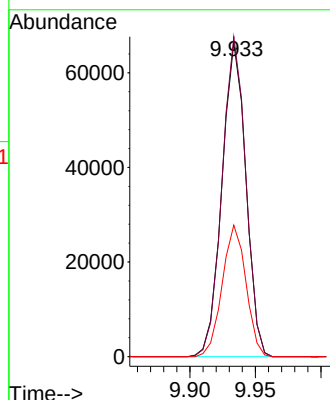
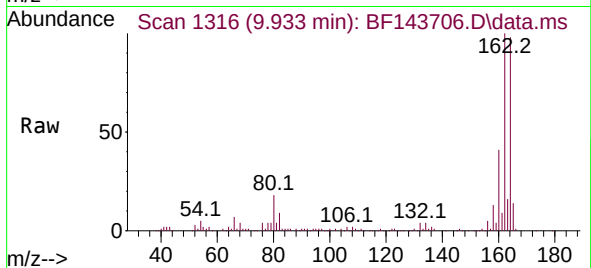
Tgt Ion:164 Resp: 84354  
 Ion Ratio Lower Upper  
 164 100  
 162 102.0 80.6 121.0  
 160 41.9 33.0 49.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.819 ng

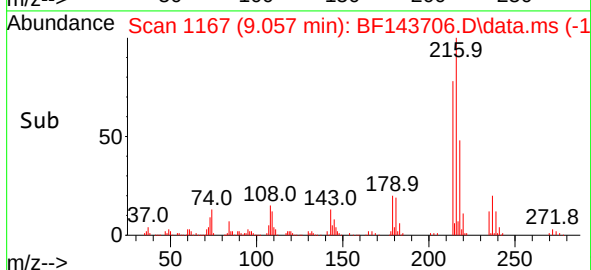
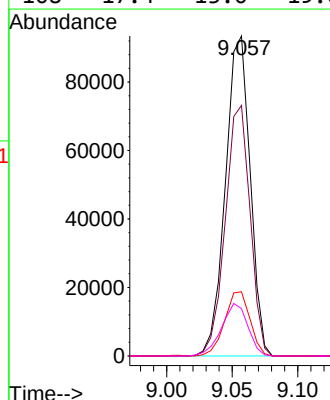
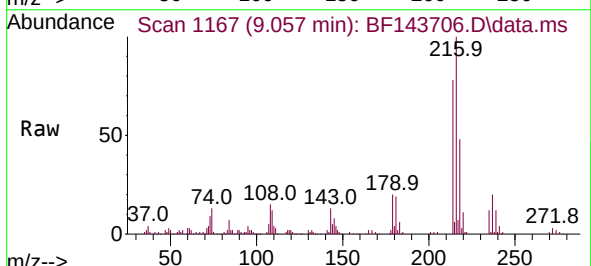
RT: 9.057 min Scan# 1167

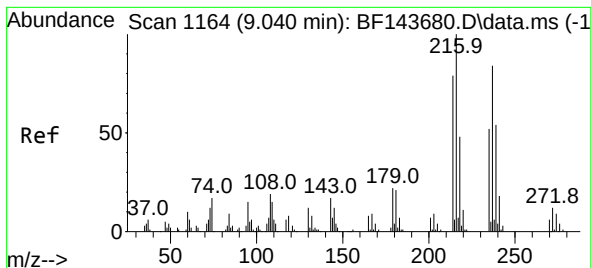
Delta R.T. 0.012 min

Lab File: BF143706.D

Acq: 11 Sep 2025 15:02

Tgt Ion:216 Resp: 122724  
 Ion Ratio Lower Upper  
 216 100  
 214 78.6 63.2 94.8  
 179 20.6 16.8 25.2  
 108 17.4 13.0 19.6





#41

Hexachlorocyclopentadiene

Concen: 82.722 ng

RT: 9.045 min Scan# 1165

Delta R.T. 0.006 min

Lab File: BF143706.D

Acq: 11 Sep 2025 15:02

Instrument :

BNA\_F

ClientSampleId :

VNJ-258MSD

Tgt Ion:237 Resp: 102559

Ion Ratio Lower Upper

237 100

235 62.3 41.6 81.6

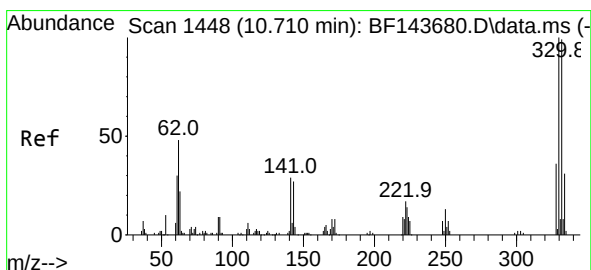
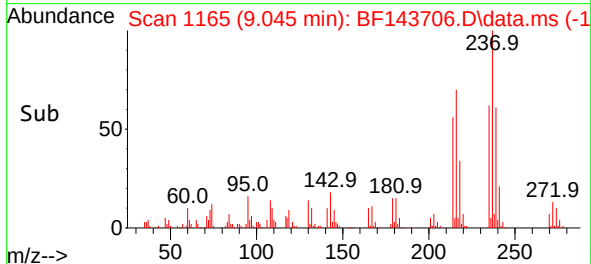
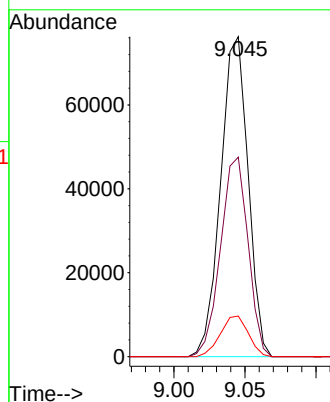
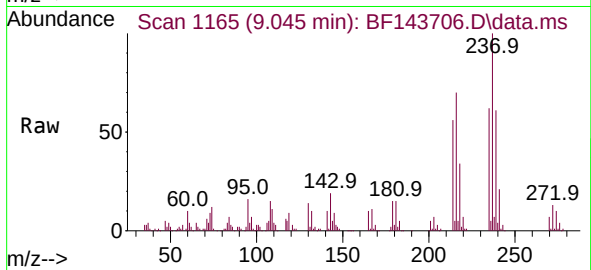
272 12.7 0.0 33.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#42

2,4,6-Tribromophenol

Concen: 96.905 ng

RT: 10.722 min Scan# 1450

Delta R.T. 0.012 min

Lab File: BF143706.D

Acq: 11 Sep 2025 15:02

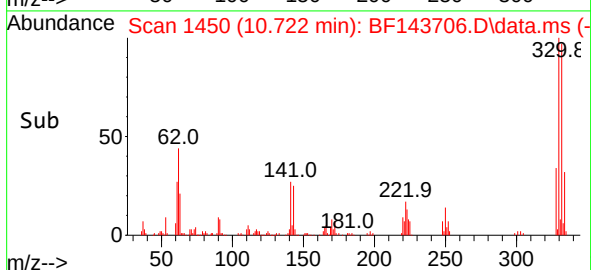
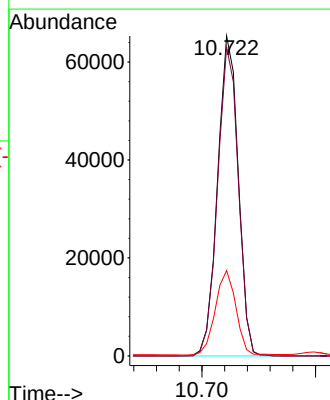
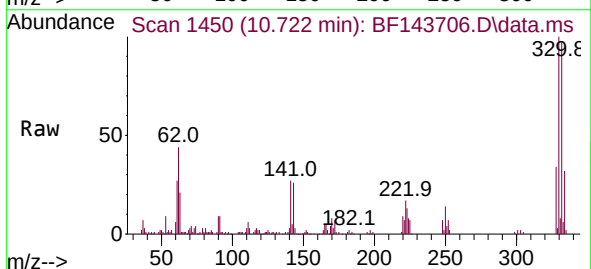
Tgt Ion:330 Resp: 82379

Ion Ratio Lower Upper

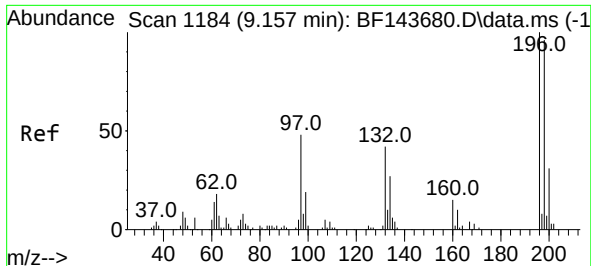
330 100

332 96.8 79.2 118.8

141 26.4 22.2 33.4







#43  
2,4,6-Trichlorophenol  
Concen: 47.783 ng  
RT: 9.163 min Scan# 1185  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

Instrument :

BNA\_F

ClientSampleId :

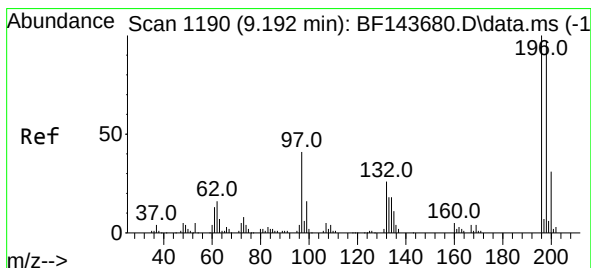
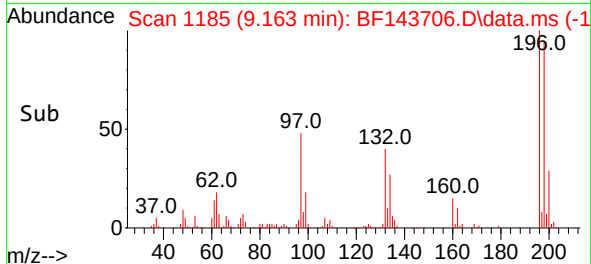
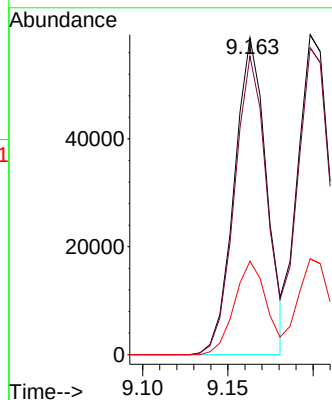
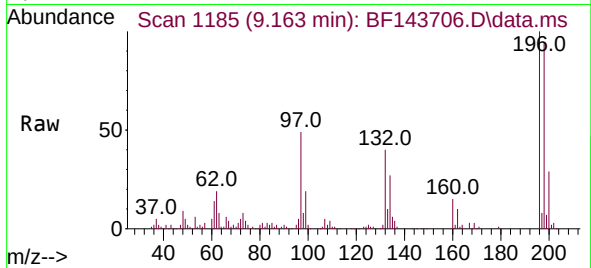
VNJ-258MSD

Tgt Ion:196 Resp: 77053  
Ion Ratio Lower Upper  
196 100  
198 94.2 76.5 114.7  
200 29.4 24.5 36.7

Manual Integrations

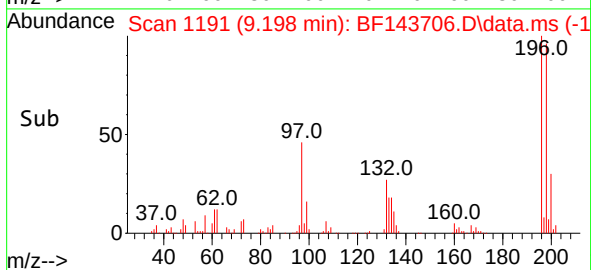
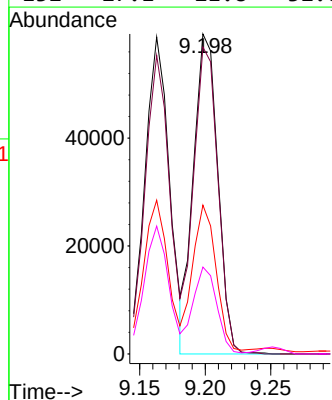
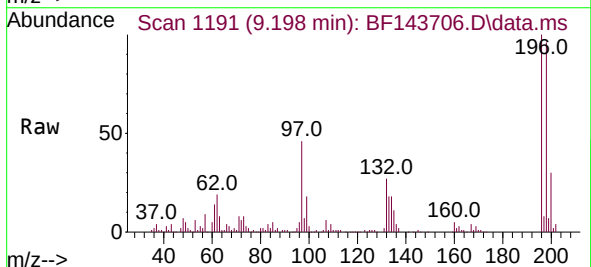
APPROVED

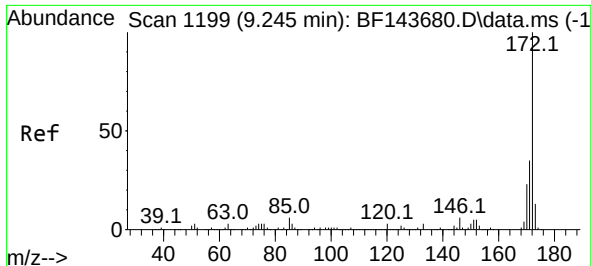
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#44  
2,4,5-Trichlorophenol  
Concen: 46.754 ng  
RT: 9.198 min Scan# 1191  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

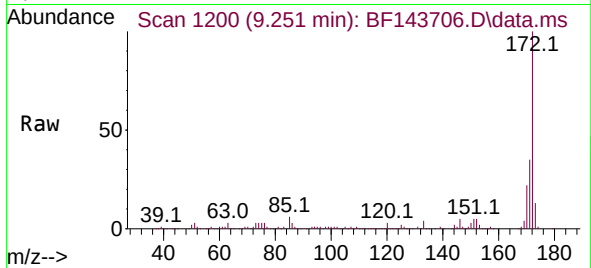
Tgt Ion:196 Resp: 76645  
Ion Ratio Lower Upper  
196 100  
198 95.9 77.0 115.6  
97 46.5 34.2 51.4  
132 27.1 21.8 32.6





#45  
2-Fluorobiphenyl  
Concen: 67.036 ng  
RT: 9.251 min Scan# 1199  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

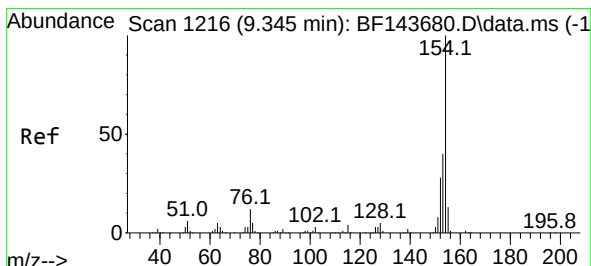
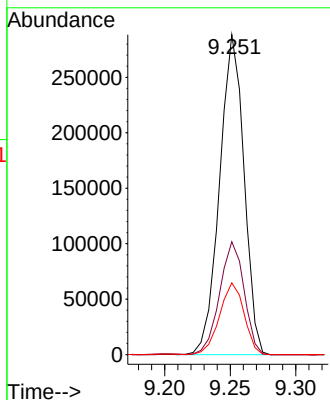
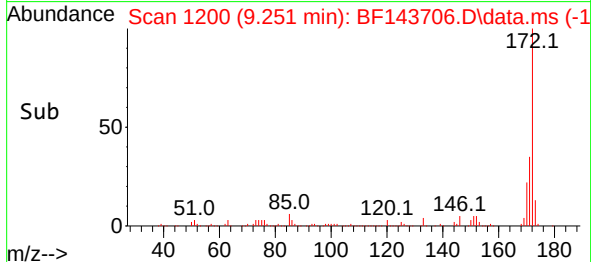
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-258MSD



Tgt Ion:172 Resp: 374335  
Ion Ratio Lower Upper  
172 100  
171 35.3 27.9 41.9  
170 22.4 18.6 27.8

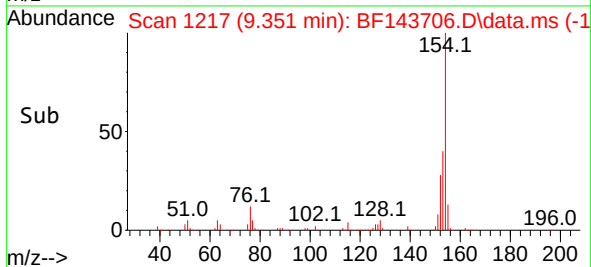
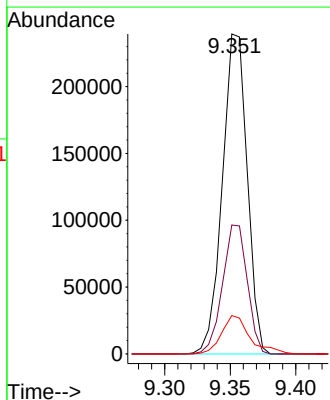
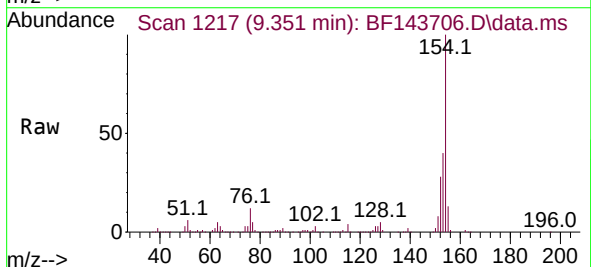
Manual Integrations  
APPROVED

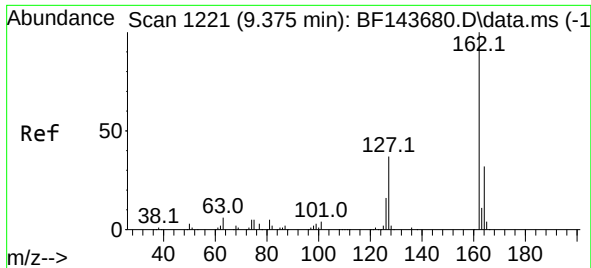
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#46  
1,1'-Biphenyl  
Concen: 52.038 ng  
RT: 9.351 min Scan# 1217  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

Tgt Ion:154 Resp: 316018  
Ion Ratio Lower Upper  
154 100  
153 40.3 20.2 60.2  
76 12.0 0.0 31.6





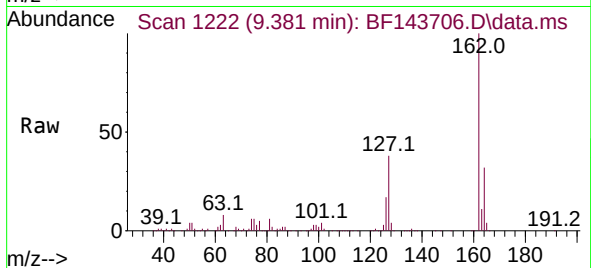
#47  
2-Chloronaphthalene  
Concen: 45.936 ng  
RT: 9.381 min Scan# 1222  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

Instrument :

BNA\_F

ClientSampleId :

VNJ-258MSD

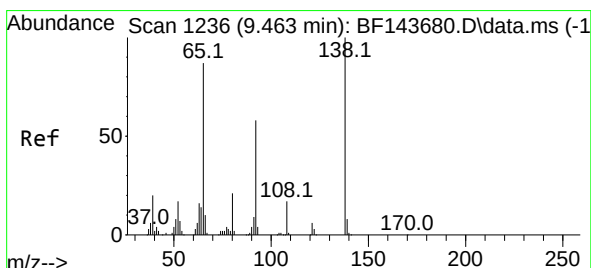
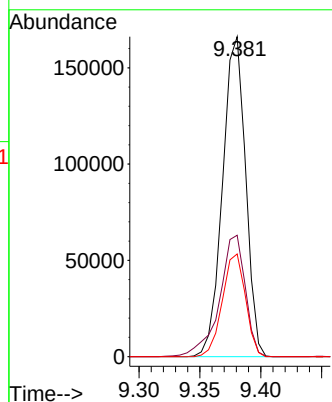
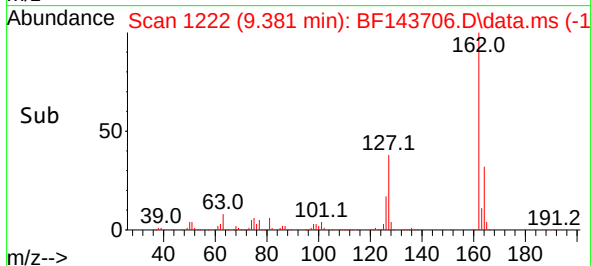


Tgt Ion:162 Resp: 218695  
Ion Ratio Lower Upper  
162 100  
127 37.9 30.6 45.8  
164 32.1 25.8 38.8

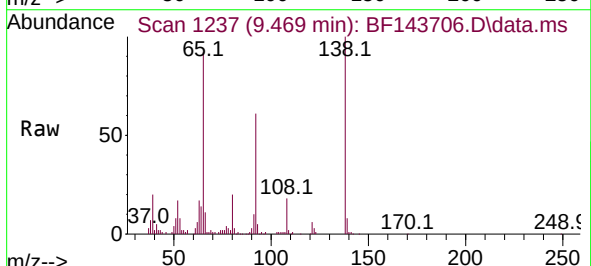
Manual Integrations

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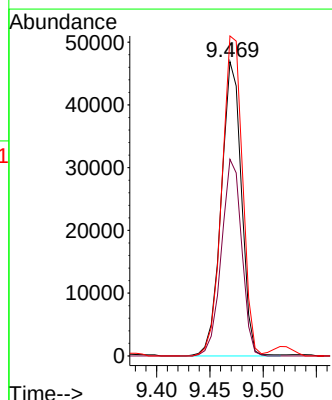
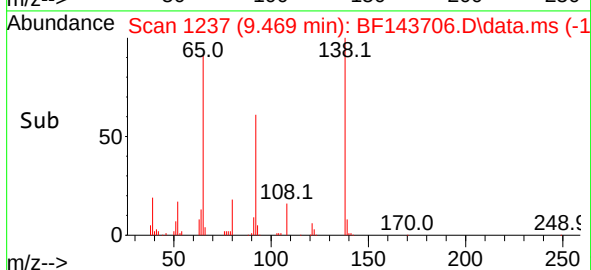
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025

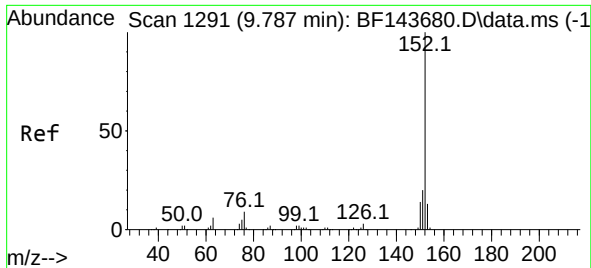


#48  
2-Nitroaniline  
Concen: 49.104 ng  
RT: 9.469 min Scan# 1237  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02



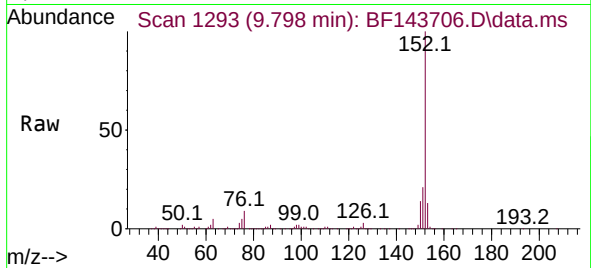
Tgt Ion: 65 Resp: 61866  
Ion Ratio Lower Upper  
65 100  
92 66.8 53.3 79.9  
138 108.8 92.1 138.1





#49  
Acenaphthylene  
Concen: 54.629 ng  
RT: 9.798 min Scan# 1291  
Delta R.T. 0.012 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

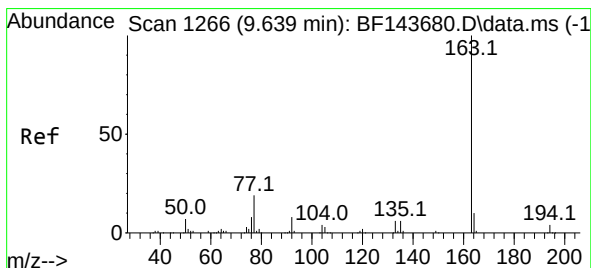
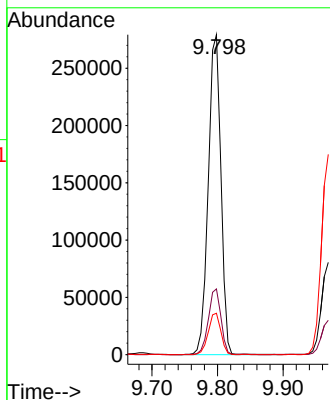
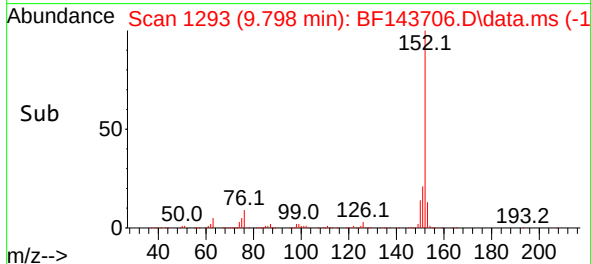
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-258MSD



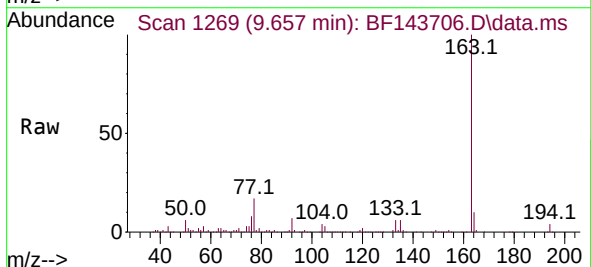
Tgt Ion:152 Resp: 372546  
Ion Ratio Lower Upper  
152 100  
151 20.5 15.9 23.9  
153 12.9 10.4 15.6

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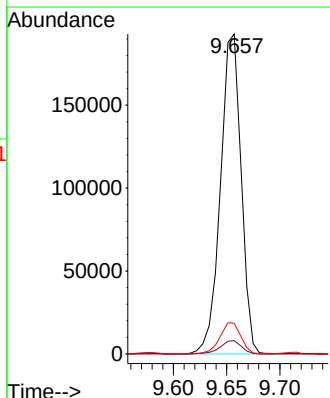
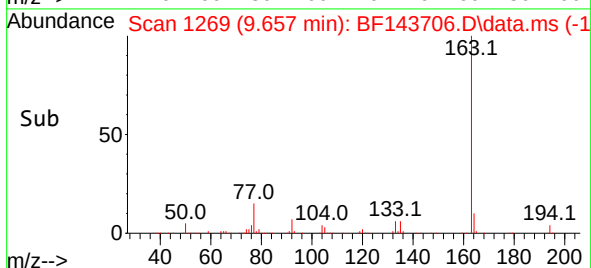
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025

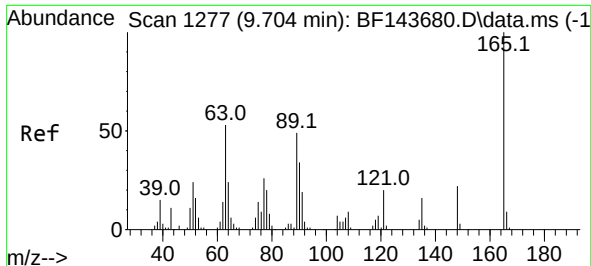


#50  
Dimethylphthalate  
Concen: 47.512 ng  
RT: 9.657 min Scan# 1269  
Delta R.T. 0.018 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02



Tgt Ion:163 Resp: 260760  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.4 5.0  
164 9.6 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 51.542 ng

RT: 9.716 min Scan# 1277

Delta R.T. 0.012 min

Lab File: BF143706.D

Acq: 11 Sep 2025 15:02

Instrument :

BNA\_F

ClientSampleId :

VNJ-258MSD

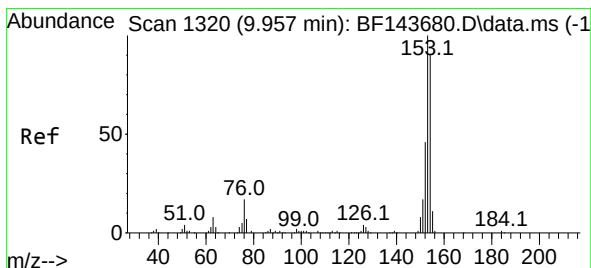
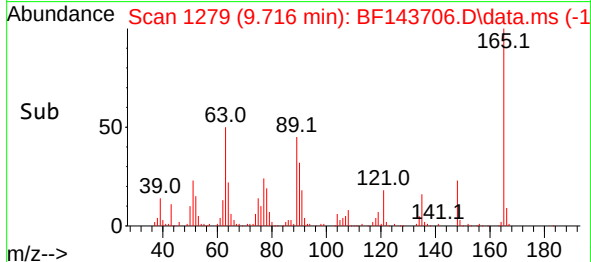
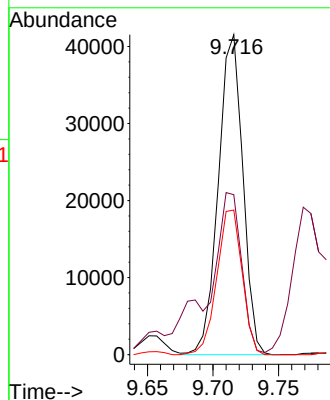
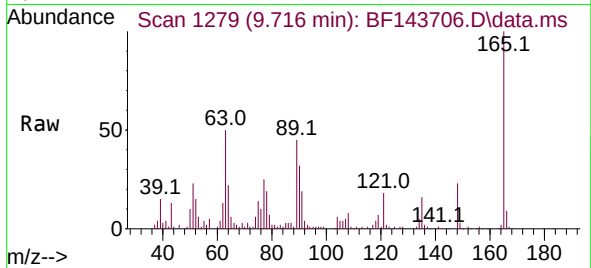
|             |             |
|-------------|-------------|
| Tgt Ion:165 | Resp: 54086 |
| Ion Ratio   | Lower Upper |
| 165 100     |             |
| 63 50.0     | 42.2 63.4   |
| 89 45.2     | 39.3 58.9   |

Manual Integrations

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Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#52

Acenaphthene

Concen: 48.015 ng

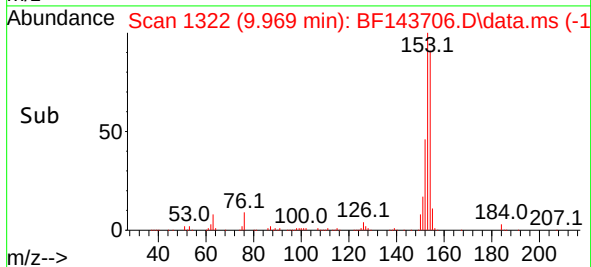
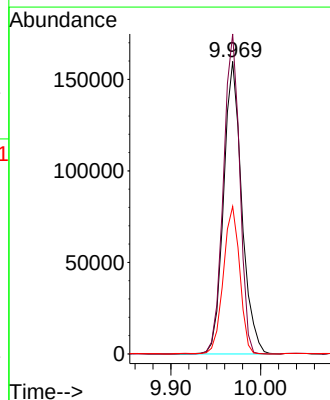
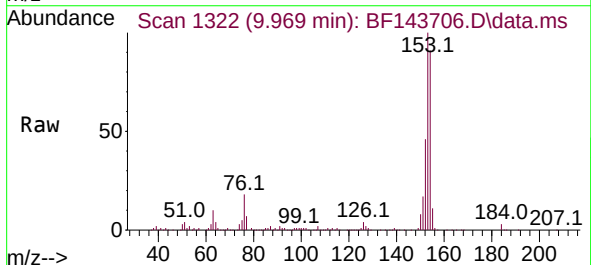
RT: 9.969 min Scan# 1322

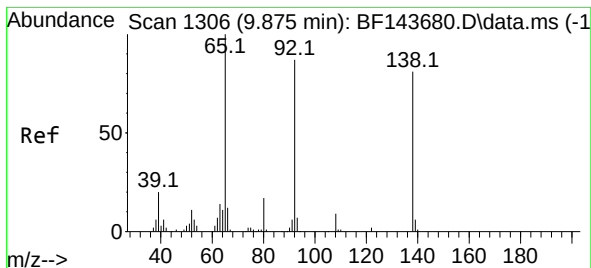
Delta R.T. 0.012 min

Lab File: BF143706.D

Acq: 11 Sep 2025 15:02

|             |              |
|-------------|--------------|
| Tgt Ion:154 | Resp: 225636 |
| Ion Ratio   | Lower Upper  |
| 154 100     |              |
| 153 109.5   | 89.4 134.0   |
| 152 50.5    | 41.2 61.8    |





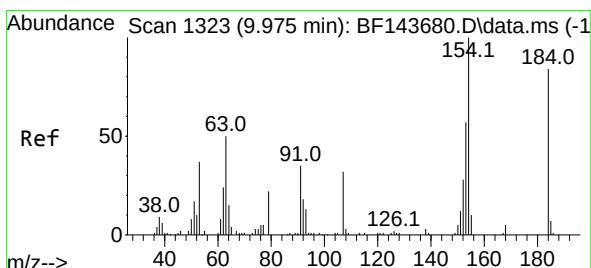
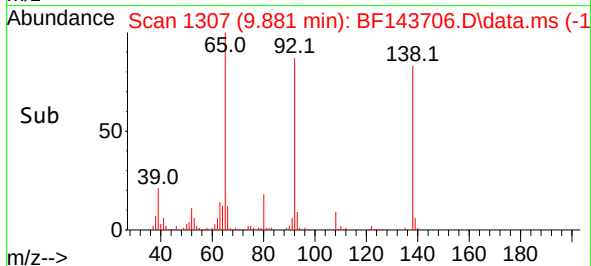
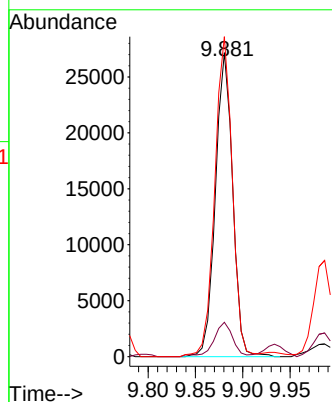
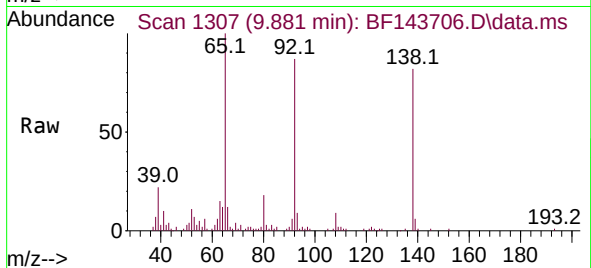
#53  
3-Nitroaniline  
Concen: 30.439 ng  
RT: 9.881 min Scan# 1307  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-258MSD

Tgt Ion:138 Resp: 34374  
Ion Ratio Lower Upper  
138 100  
108 11.3 8.6 12.8  
92 105.3 85.5 128.3

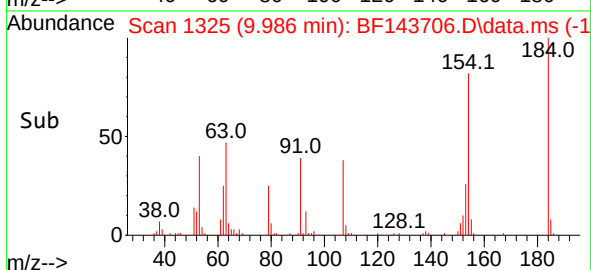
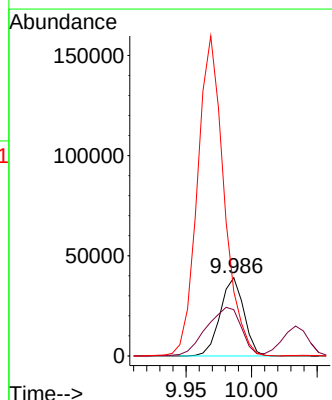
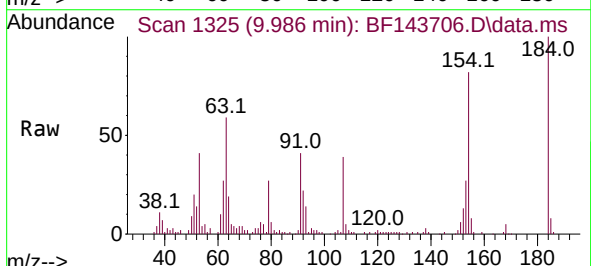
Manual Integrations  
APPROVED

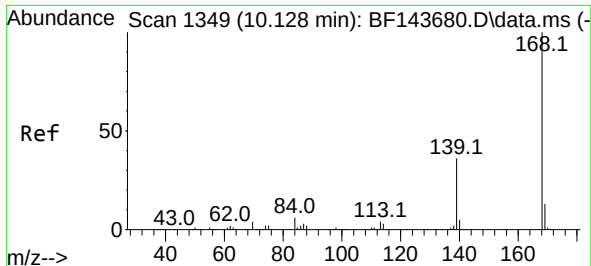
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#54  
2,4-Dinitrophenol  
Concen: 86.064 ng  
RT: 9.986 min Scan# 1325  
Delta R.T. 0.012 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

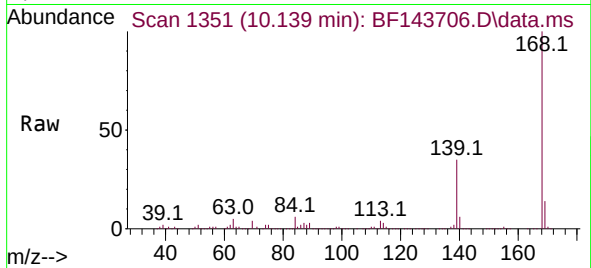
Tgt Ion:184 Resp: 48843  
Ion Ratio Lower Upper  
184 100  
63 59.1 52.7 79.1  
154 82.4 136.6 204.8#





#55  
Dibenzenofuran  
Concen: 45.386 ng  
RT: 10.139 min Scan# 1351  
Delta R.T. 0.012 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

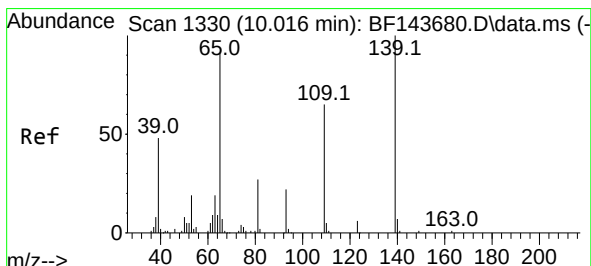
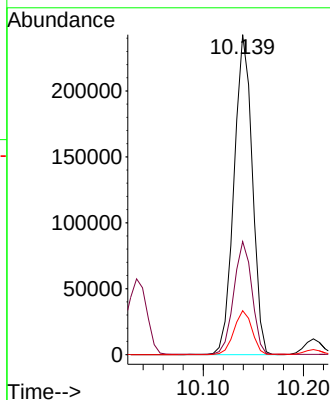
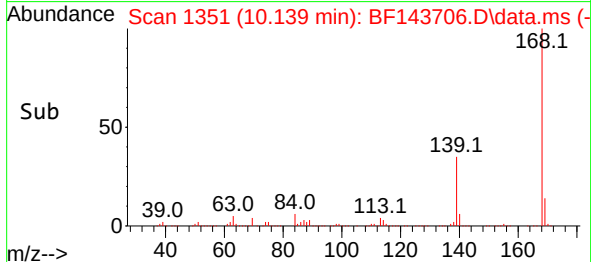
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-258MSD



Tgt Ion:168 Resp: 306691  
Ion Ratio Lower Upper  
168 100  
139 35.3 29.0 43.4  
169 13.7 10.8 16.2

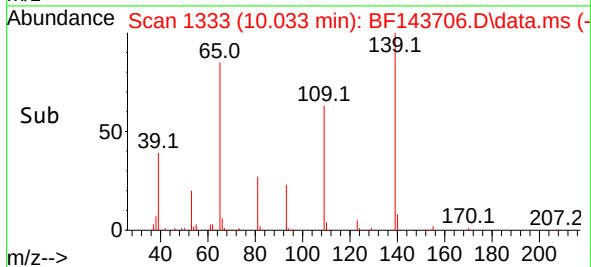
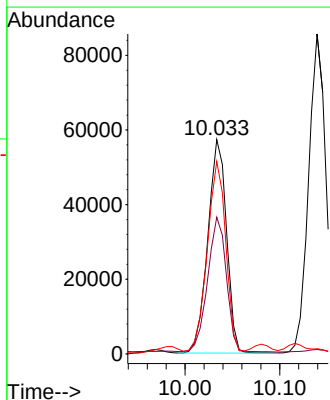
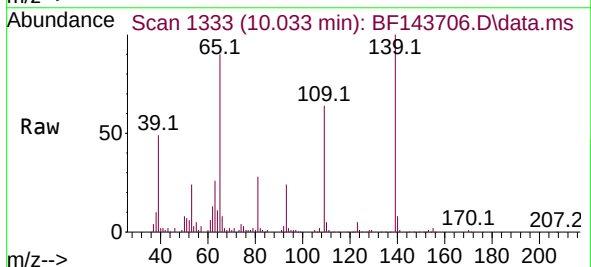
Manual Integrations  
APPROVED

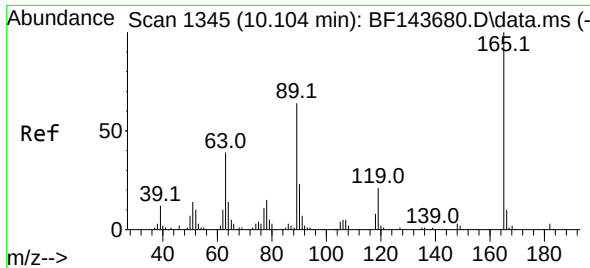
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#56  
4-Nitrophenol  
Concen: 87.713 ng  
RT: 10.033 min Scan# 1333  
Delta R.T. 0.018 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

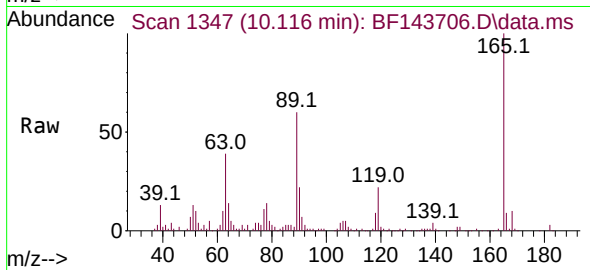
Tgt Ion:139 Resp: 78803  
Ion Ratio Lower Upper  
139 100  
109 63.8 45.2 85.2  
65 89.7 72.1 112.1





#57  
2,4-Dinitrotoluene  
Concen: 50.309 ng  
RT: 10.116 min Scan# 1347  
Delta R.T. 0.012 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

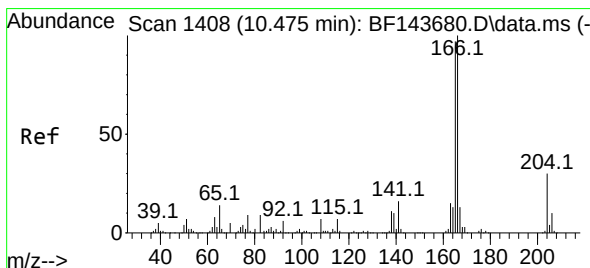
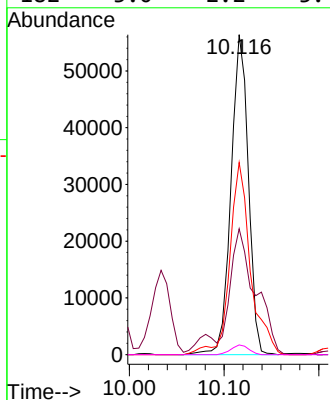
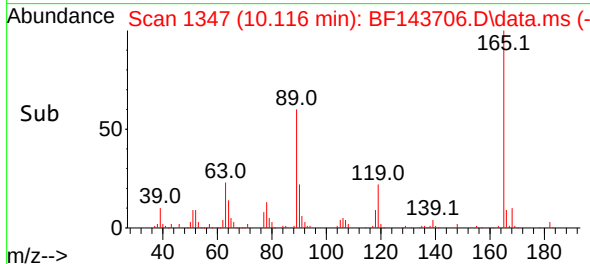
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-258MSD



Tgt Ion:165 Resp: 71850  
Ion Ratio Lower Upper  
165 100  
63 39.3 31.5 47.3  
89 60.0 51.3 76.9  
182 3.0 2.2 3.4

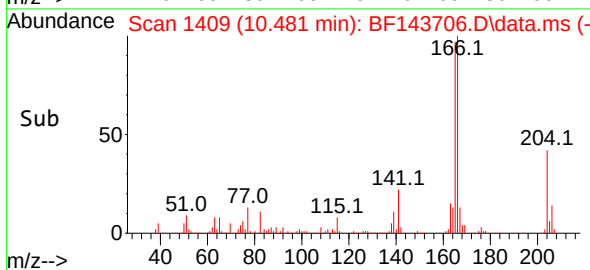
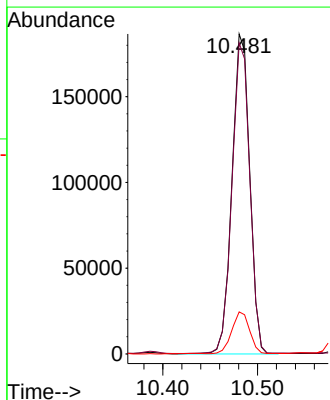
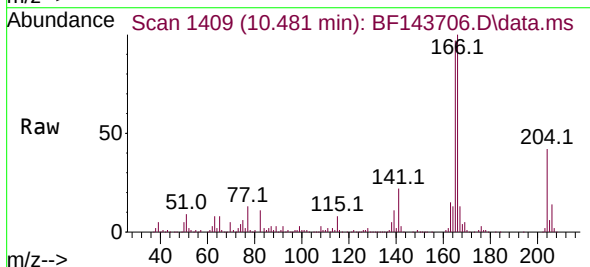
Manual Integrations  
APPROVED

Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025

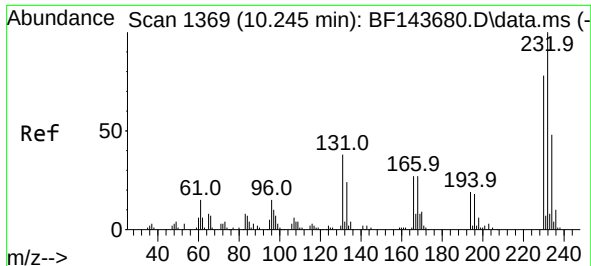


#58  
Fluorene  
Concen: 45.934 ng  
RT: 10.481 min Scan# 1409  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

Tgt Ion:166 Resp: 242974  
Ion Ratio Lower Upper  
166 100  
165 97.2 77.5 116.3  
167 13.1 10.2 15.2







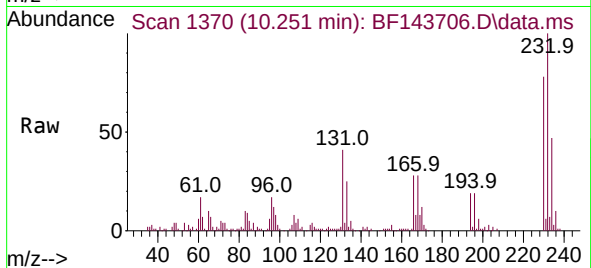
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 47.392 ng  
RT: 10.251 min Scan# 1370  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

Instrument :

BNA\_F

ClientSampleId :

VNJ-258MSD



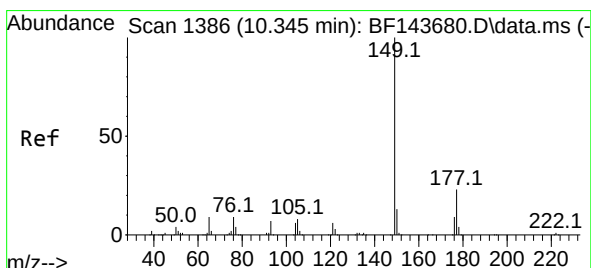
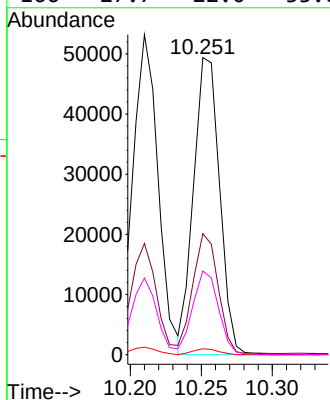
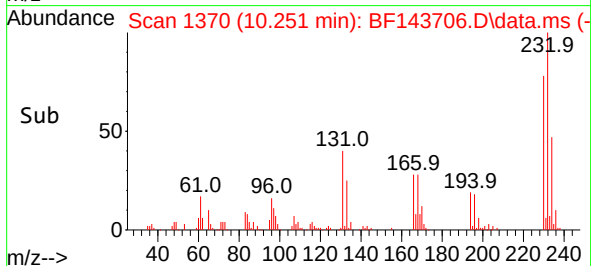
Tgt Ion:232 Resp: 62996  
Ion Ratio Lower Upper  
232 100  
131 38.8 31.9 47.9  
130 1.9 1.4 2.0  
166 27.7 22.0 33.0

Manual Integrations

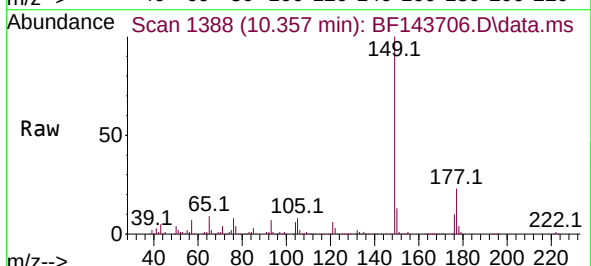
APPROVED

Reviewed By :Rahul Chavli 09/12/2025

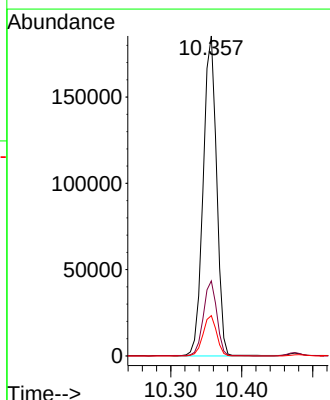
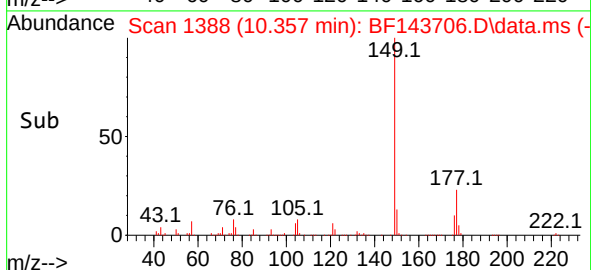
Supervised By :Jagrut Upadhyay 09/12/2025

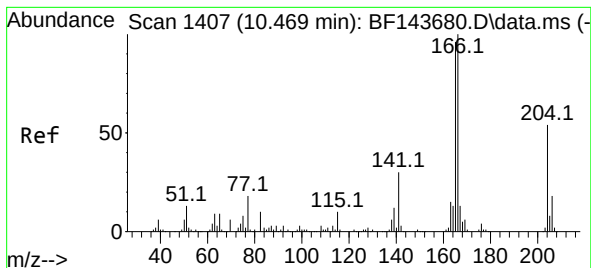


#60  
Diethylphthalate  
Concen: 47.067 ng  
RT: 10.357 min Scan# 1388  
Delta R.T. 0.012 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02



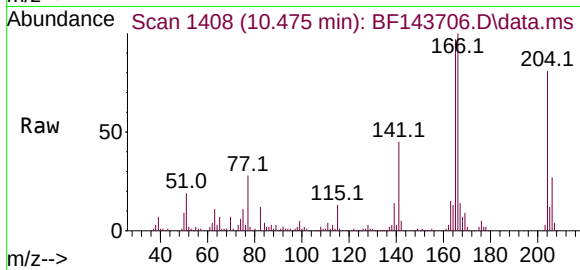
Tgt Ion:149 Resp: 242517  
Ion Ratio Lower Upper  
149 100  
177 23.4 18.2 27.2  
150 12.6 10.0 15.0





#61  
4-Chlorophenyl-phenylether  
Concen: 44.939 ng  
RT: 10.475 min Scan# 1407  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

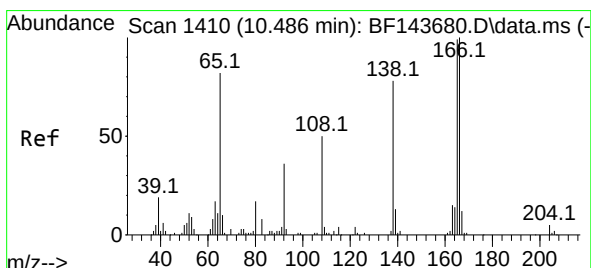
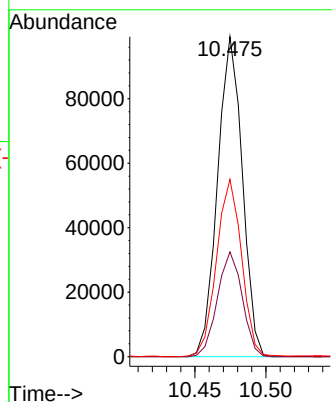
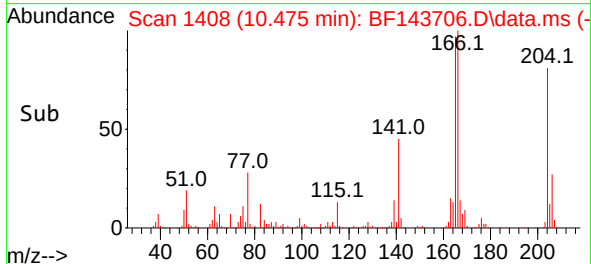
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-258MSD



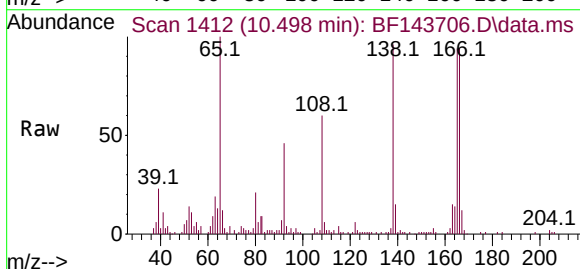
Tgt Ion:204 Resp: 12055  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.0 39.0  
141 55.4 44.8 67.2

Manual Integrations  
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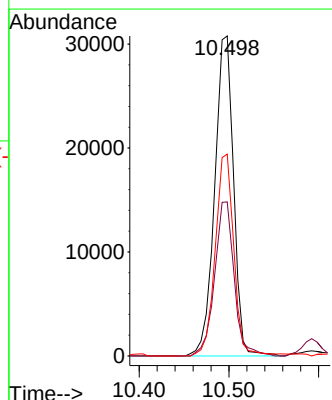
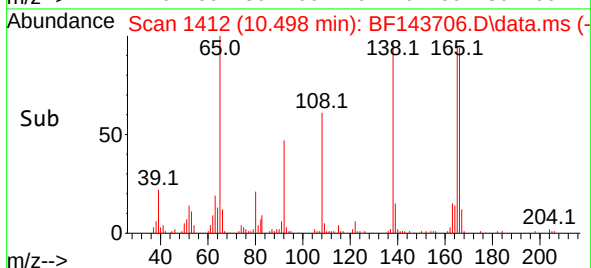
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025

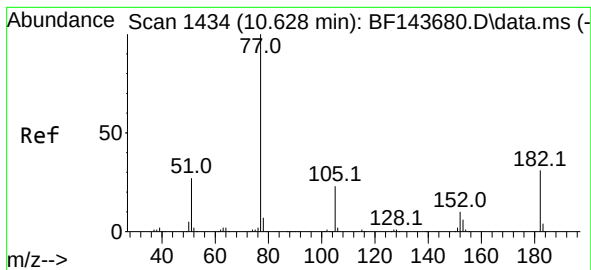


#62  
4-Nitroaniline  
Concen: 42.303 ng  
RT: 10.498 min Scan# 1412  
Delta R.T. 0.012 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02



Tgt Ion:138 Resp: 45245  
Ion Ratio Lower Upper  
138 100  
92 48.1 26.4 66.4  
108 63.0 44.3 84.3





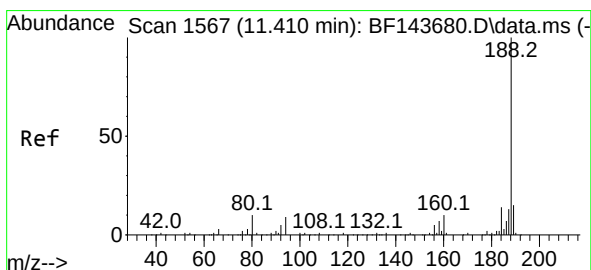
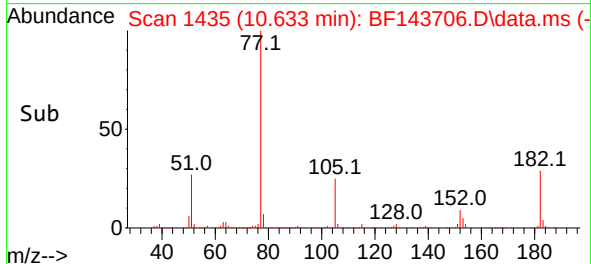
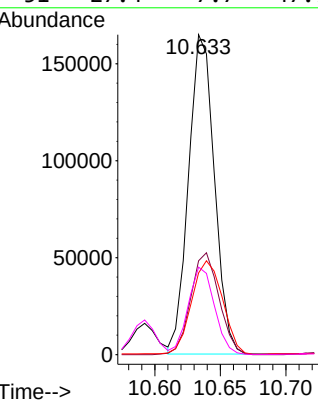
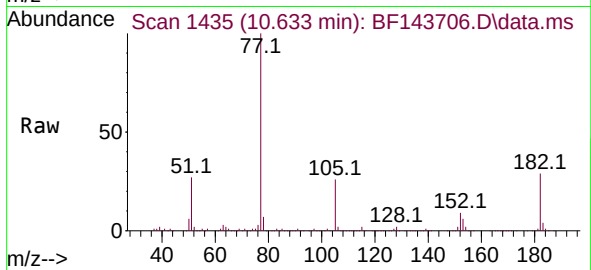
#63  
Azobenzene  
Concen: 49.578 ng  
RT: 10.633 min Scan# 1435  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-258MSD

Tgt Ion: 77 Resp: 225836  
Ion Ratio Lower Upper  
77 100  
182 29.3 10.8 50.8  
105 25.5 3.2 43.2  
51 27.4 7.7 47.7

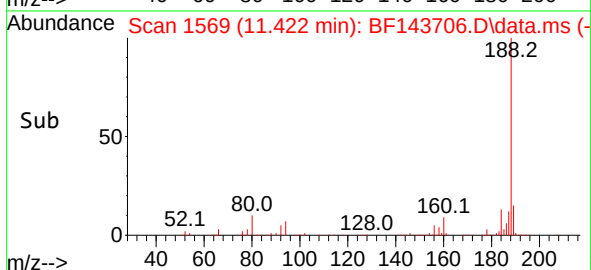
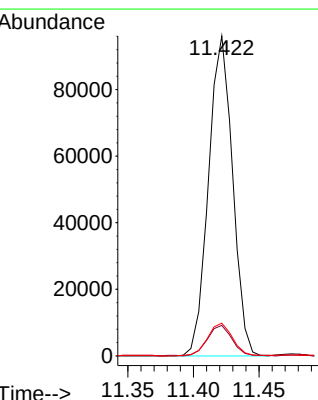
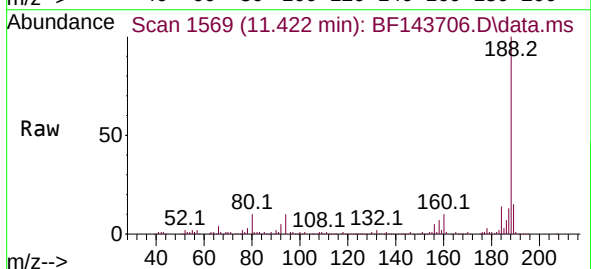
Manual Integrations  
APPROVED

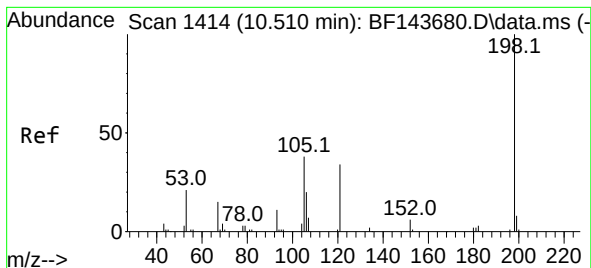
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.422 min Scan# 1569  
Delta R.T. 0.012 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

Tgt Ion:188 Resp: 123003  
Ion Ratio Lower Upper  
188 100  
94 9.5 7.4 11.0  
80 10.2 7.7 11.5





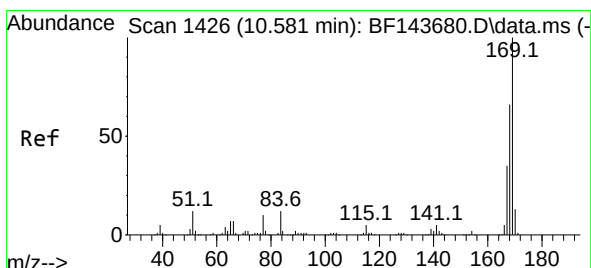
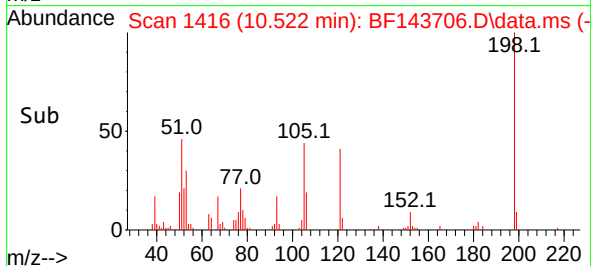
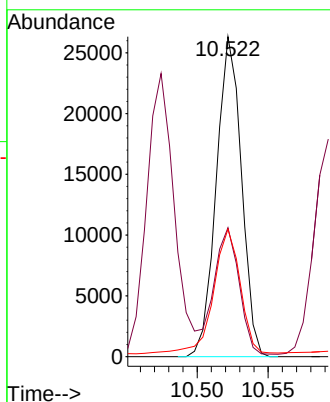
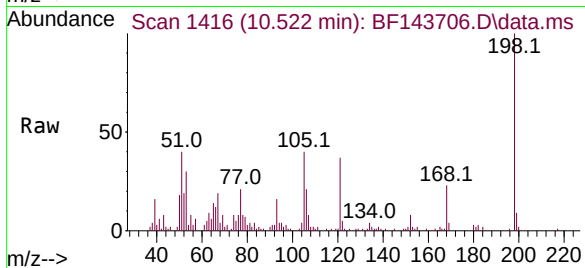
#65  
4,6-Dinitro-2-methylphenol  
Concen: 51.688 ng  
RT: 10.522 min Scan# 1414  
Delta R.T. 0.012 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-258MSD

Tgt Ion:198 Resp: 32370  
Ion Ratio Lower Upper  
198 100  
51 40.3 21.2 61.2  
105 39.8 19.0 59.0

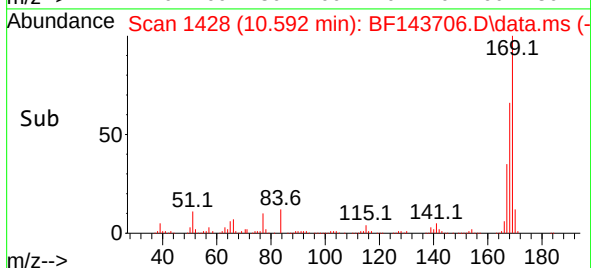
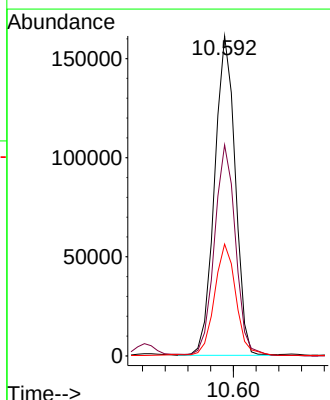
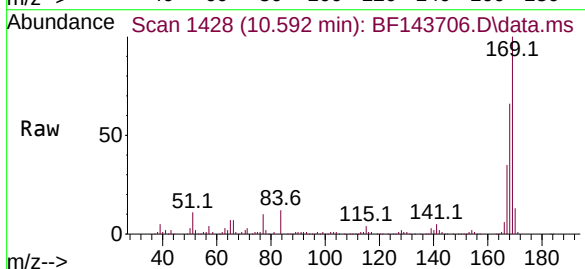
Manual Integrations  
APPROVED

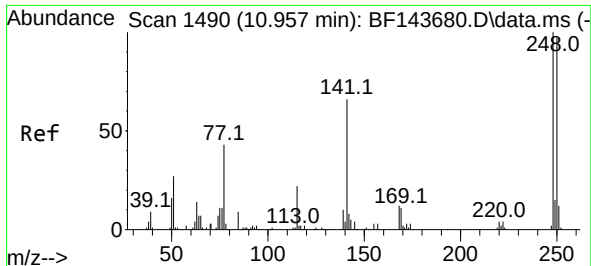
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#66  
n-Nitrosodiphenylamine  
Concen: 50.448 ng  
RT: 10.592 min Scan# 1428  
Delta R.T. 0.012 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

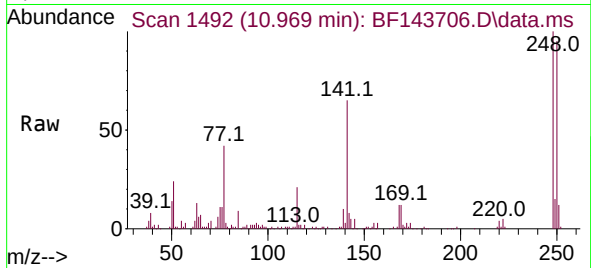
Tgt Ion:169 Resp: 203283  
Ion Ratio Lower Upper  
169 100  
168 65.9 53.0 79.6  
167 34.9 28.1 42.1





#67  
4-Bromophenyl-phenylether  
Concen: 49.450 ng  
RT: 10.969 min Scan# 1490  
Delta R.T. 0.012 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

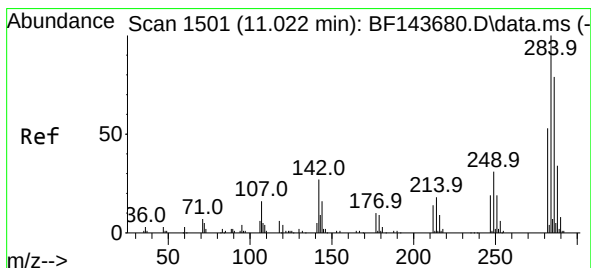
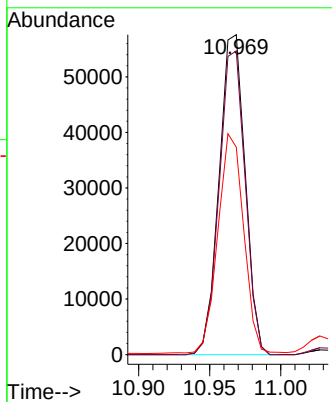
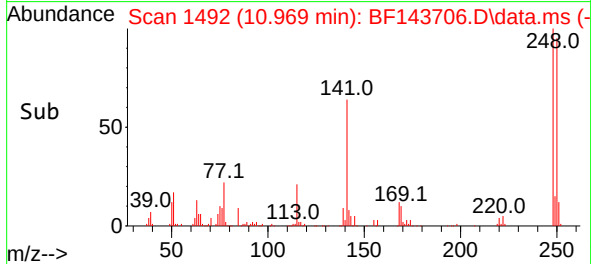
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-258MSD



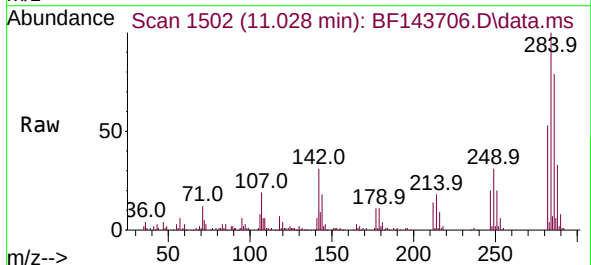
Tgt Ion:248 Resp: 73349  
Ion Ratio Lower Upper  
248 100  
250 94.9 77.5 116.3  
141 64.8 52.6 79.0

Manual Integrations  
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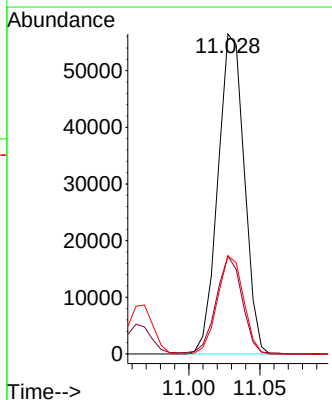
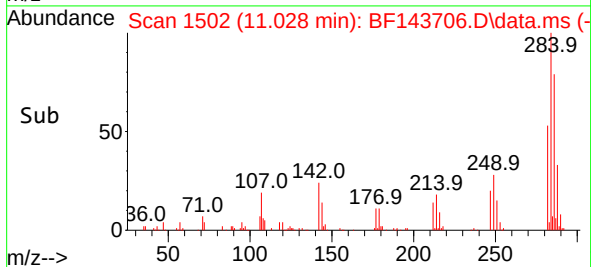
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025

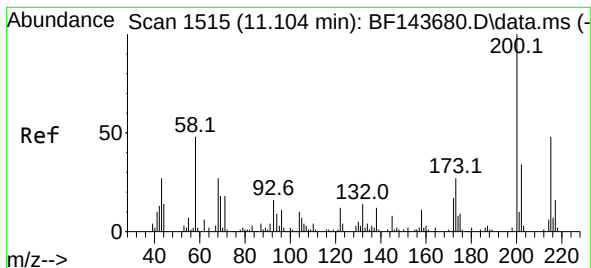


#68  
Hexachlorobenzene  
Concen: 46.440 ng  
RT: 11.028 min Scan# 1502  
Delta R.T. 0.006 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02



Tgt Ion:284 Resp: 72735  
Ion Ratio Lower Upper  
284 100  
142 30.6 21.3 31.9  
249 30.6 25.0 37.4





#69

Atrazine

Concen: 48.854 ng

RT: 11.122 min Scan# 1518

Delta R.T. 0.018 min

Lab File: BF143706.D

Acq: 11 Sep 2025 15:02

Instrument :

BNA\_F

ClientSampleId :

VNJ-258MSD

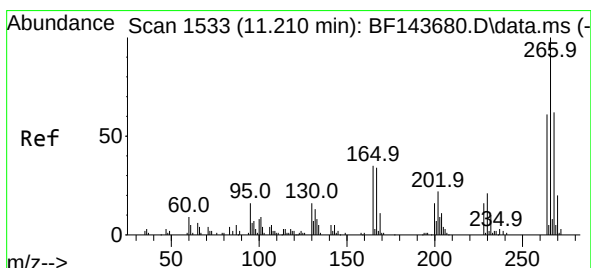
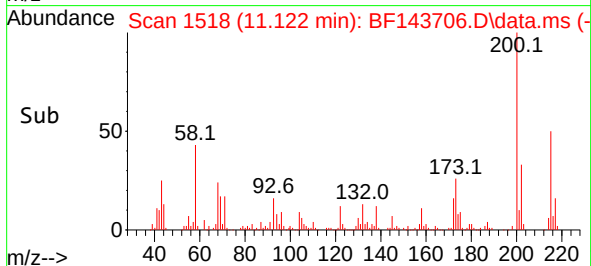
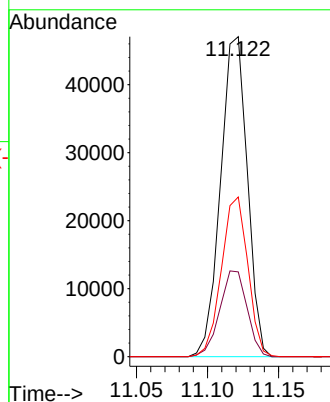
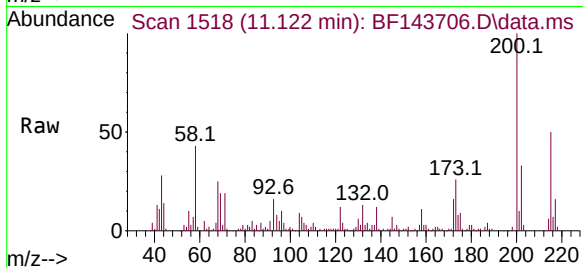
Tgt Ion:200 Resp: 61725  
 Ion Ratio Lower Upper  
 200 100  
 173 26.5 7.3 47.3  
 215 49.9 28.5 68.5

Manual Integrations

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Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#70

Pentachlorophenol

Concen: 111.108 ng

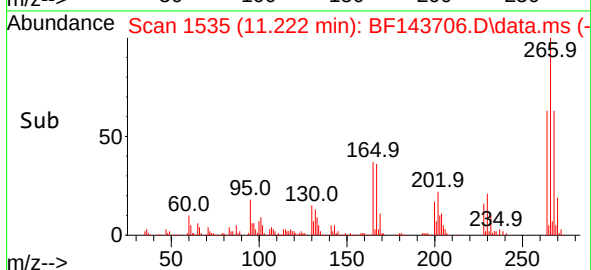
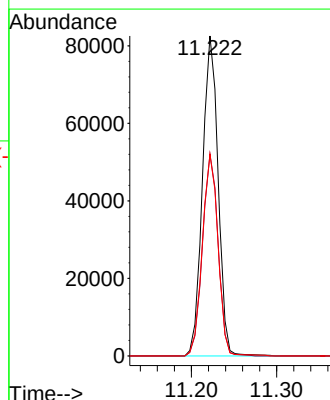
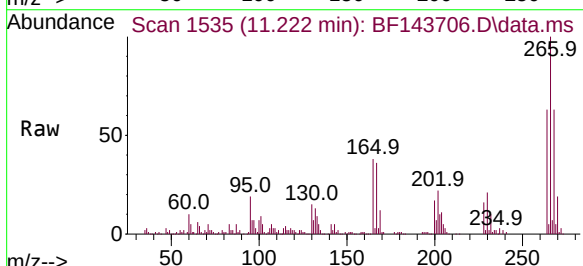
RT: 11.222 min Scan# 1535

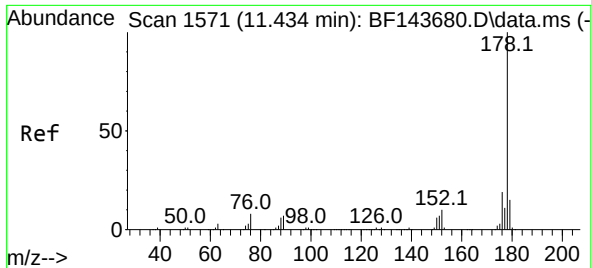
Delta R.T. 0.012 min

Lab File: BF143706.D

Acq: 11 Sep 2025 15:02

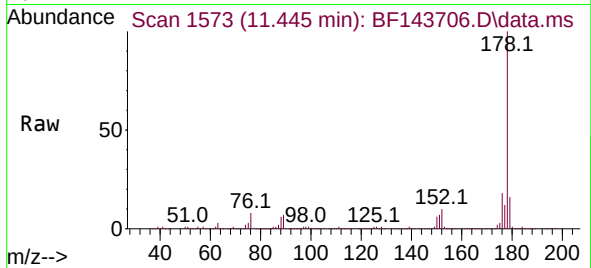
Tgt Ion:266 Resp: 105195  
 Ion Ratio Lower Upper  
 266 100  
 268 63.1 49.2 73.8  
 264 63.0 48.6 73.0





#71  
Phenanthrene  
Concen: 50.485 ng  
RT: 11.445 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

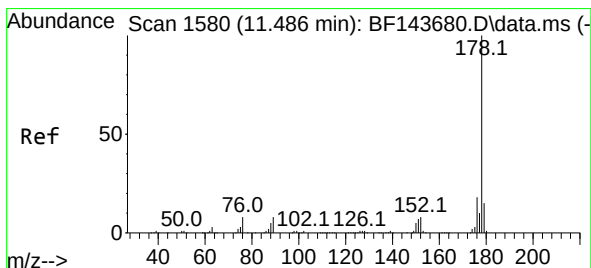
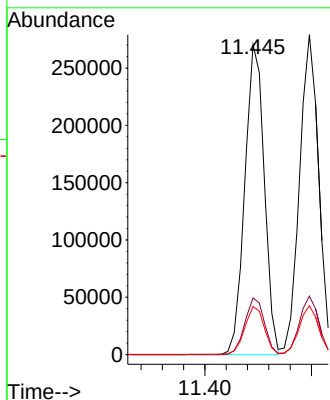
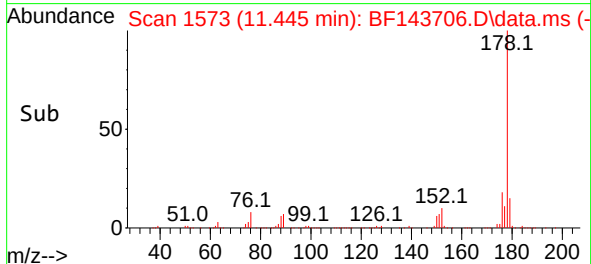
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-258MSD



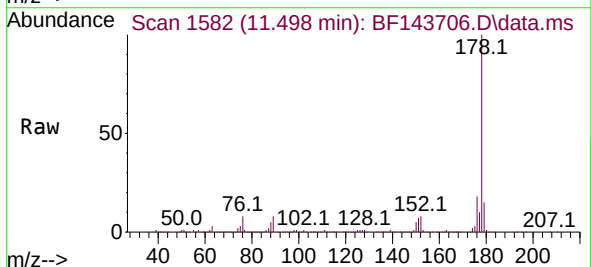
Tgt Ion:178 Resp: 342150  
Ion Ratio Lower Upper  
178 100  
176 18.3 14.8 22.2  
179 15.5 12.2 18.2

Manual Integrations  
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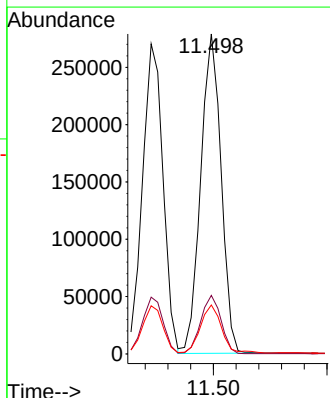
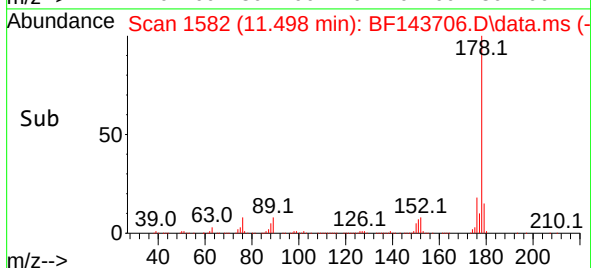
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025

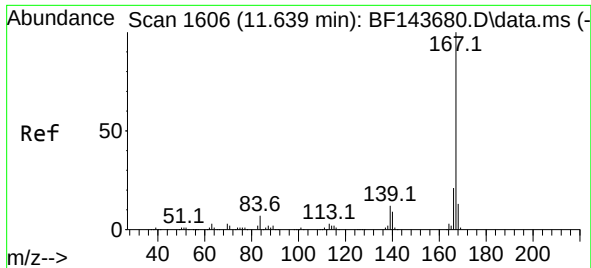


#72  
Anthracene  
Concen: 51.002 ng  
RT: 11.498 min Scan# 1582  
Delta R.T. 0.012 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02



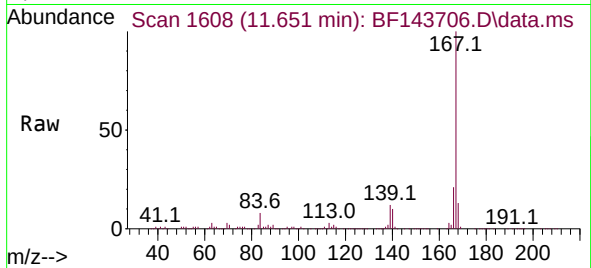
Tgt Ion:178 Resp: 347556  
Ion Ratio Lower Upper  
178 100  
176 18.3 14.5 21.7  
179 15.3 12.2 18.2





#73  
 Carbazole  
 Concen: 46.023 ng  
 RT: 11.651 min Scan# 1608  
 Delta R.T. 0.012 min  
 Lab File: BF143706.D  
 Acq: 11 Sep 2025 15:02

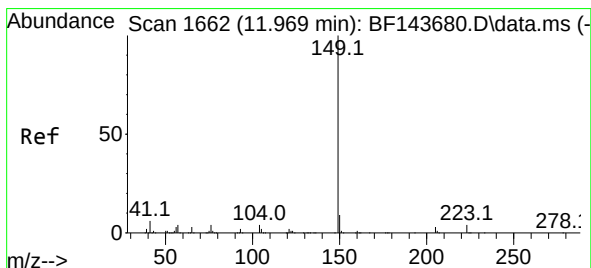
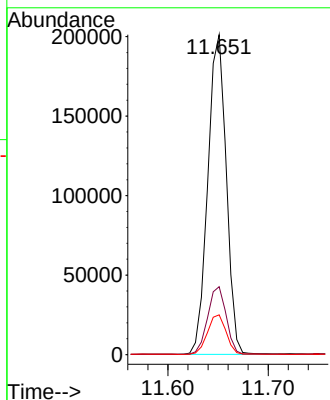
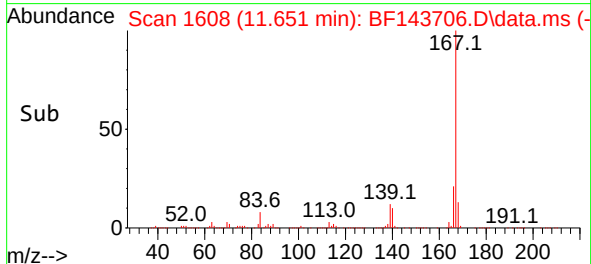
Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-258MSD



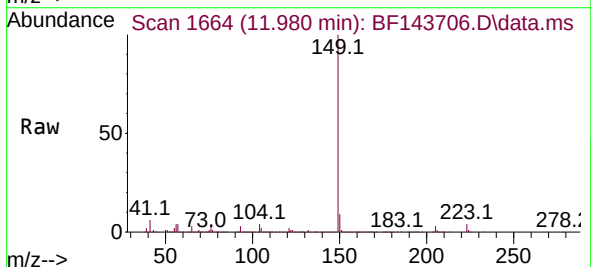
Tgt Ion:167 Resp: 256850  
 Ion Ratio Lower Upper  
 167 100  
 166 21.2 17.0 25.4  
 139 12.4 9.7 14.5

Manual Integrations  
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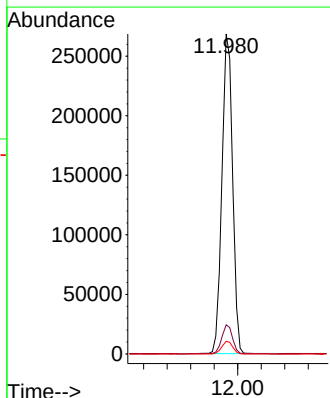
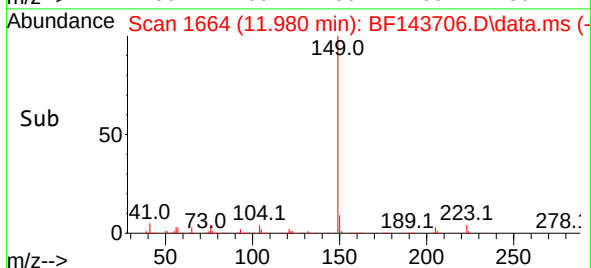
Reviewed By :Rahul Chavli 09/12/2025  
 Supervised By :Jagrut Upadhyay 09/12/2025



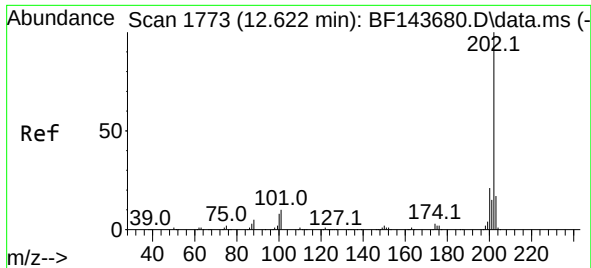
#74  
 Di-n-butylphthalate  
 Concen: 50.382 ng  
 RT: 11.980 min Scan# 1664  
 Delta R.T. 0.012 min  
 Lab File: BF143706.D  
 Acq: 11 Sep 2025 15:02



Tgt Ion:149 Resp: 338521  
 Ion Ratio Lower Upper  
 149 100  
 150 9.1 7.3 10.9  
 104 3.9 3.3 4.9







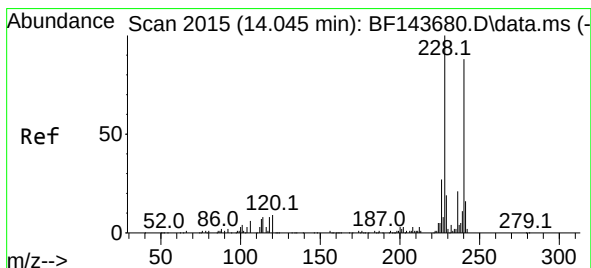
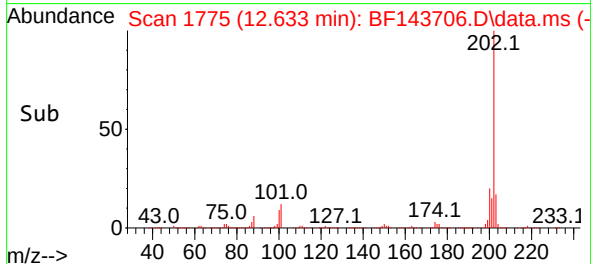
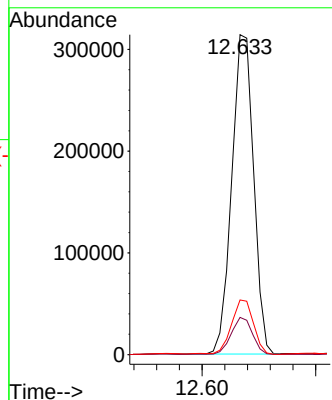
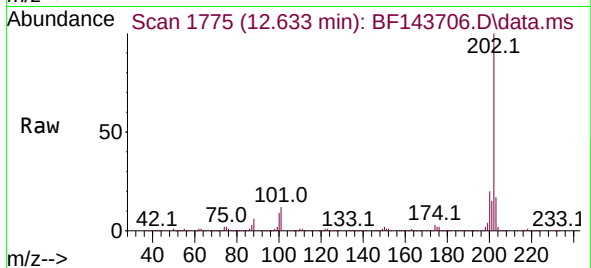
#75  
Fluoranthene  
Concen: 67.400 ng  
RT: 12.633 min Scan# 1775  
Delta R.T. 0.012 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-258MSD

Tgt Ion:202 Resp: 419338  
Ion Ratio Lower Upper  
202 100  
101 11.6 0.0 30.5  
203 17.1 0.0 37.1

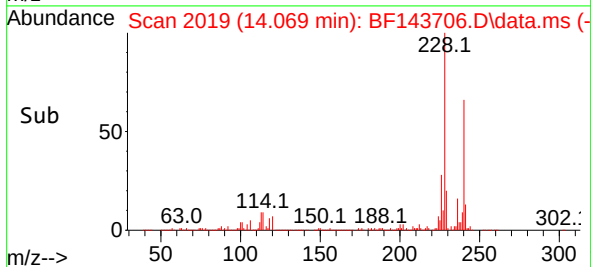
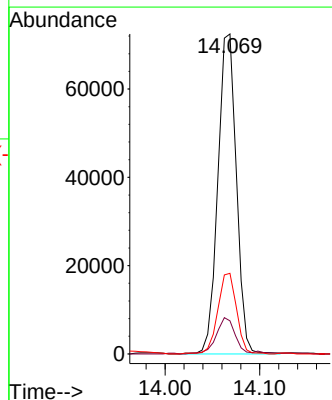
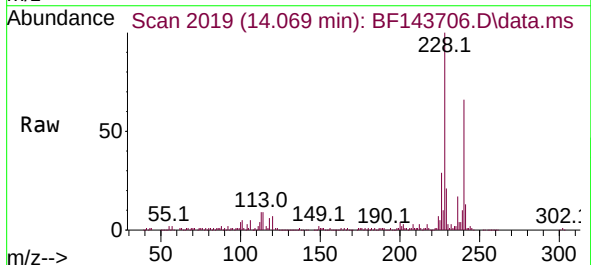
Manual Integrations  
APPROVED

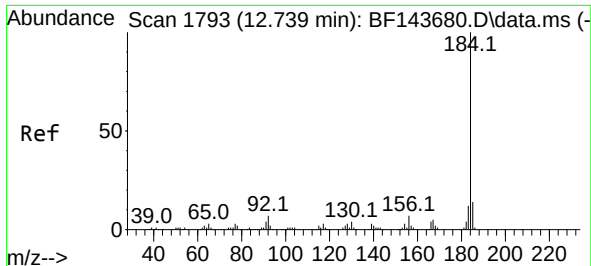
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.069 min Scan# 2019  
Delta R.T. 0.023 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

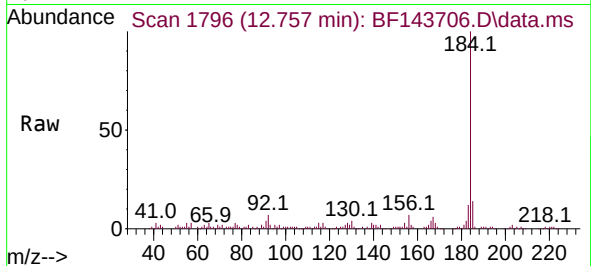
Tgt Ion:240 Resp: 98428  
Ion Ratio Lower Upper  
240 100  
120 10.3 8.4 12.6  
236 25.2 18.6 28.0





#77  
Benzidine  
Concen: 21.722 ng  
RT: 12.757 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

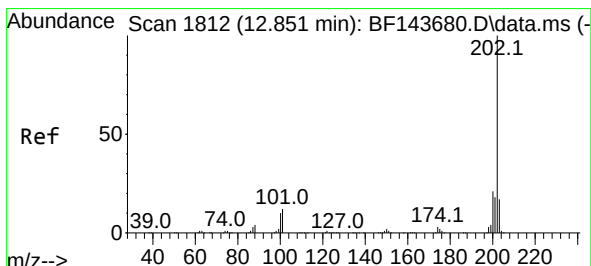
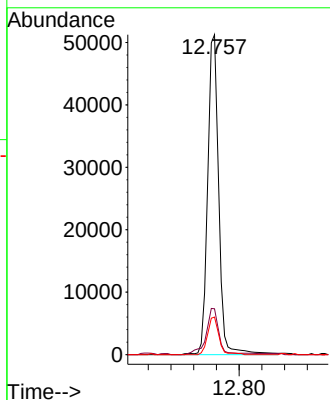
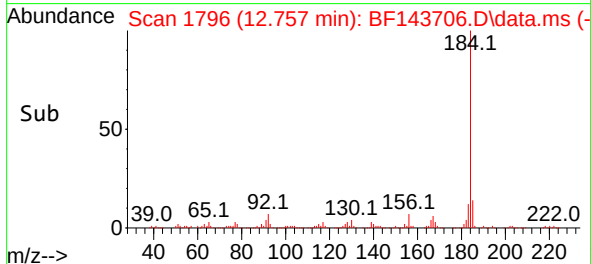
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-258MSD



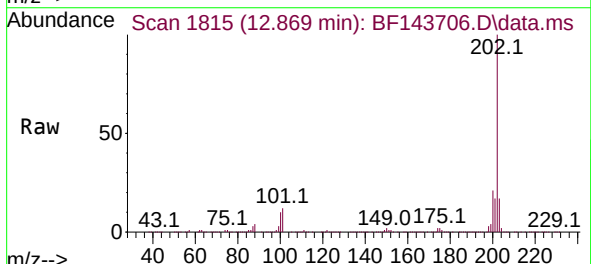
Tgt Ion:184 Resp: 69721  
Ion Ratio Lower Upper  
184 100  
185 14.3 11.5 17.3  
183 11.7 9.4 14.2

Manual Integrations  
APPROVED

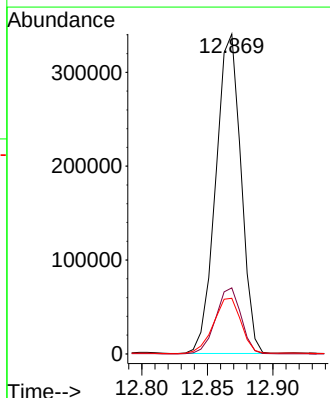
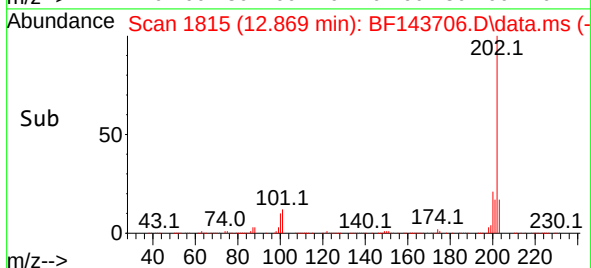
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025

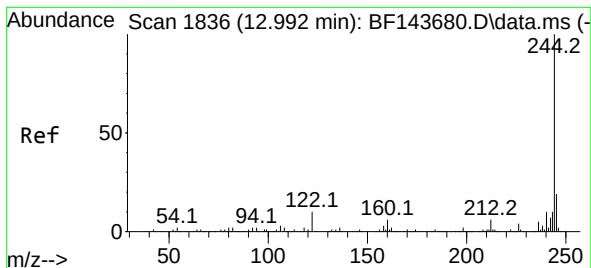


#78  
Pyrene  
Concen: 58.037 ng  
RT: 12.869 min Scan# 1815  
Delta R.T. 0.018 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02



Tgt Ion:202 Resp: 456732  
Ion Ratio Lower Upper  
202 100  
200 20.6 16.6 24.8  
203 17.4 13.5 20.3





#79

Terphenyl-d14

Concen: 51.943 ng

RT: 13.004 min Scan# 1836

Delta R.T. 0.012 min

Lab File: BF143706.D

Acq: 11 Sep 2025 15:02

Instrument :

BNA\_F

ClientSampleId :

VNJ-258MSD

Tgt Ion:244 Resp: 315496

Ion Ratio Lower Upper

244 100

212 6.3 5.0 7.6

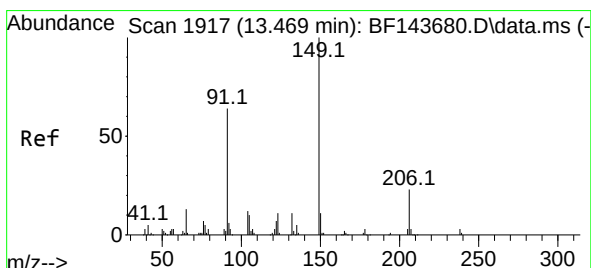
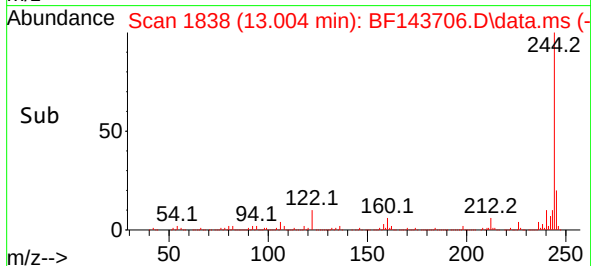
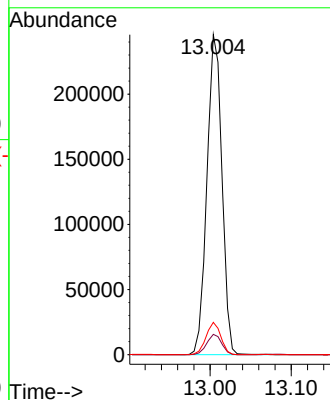
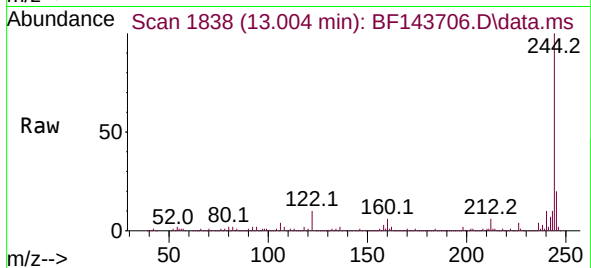
122 10.1 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#80

Butylbenzylphthalate

Concen: 46.914 ng

RT: 13.480 min Scan# 1919

Delta R.T. 0.012 min

Lab File: BF143706.D

Acq: 11 Sep 2025 15:02

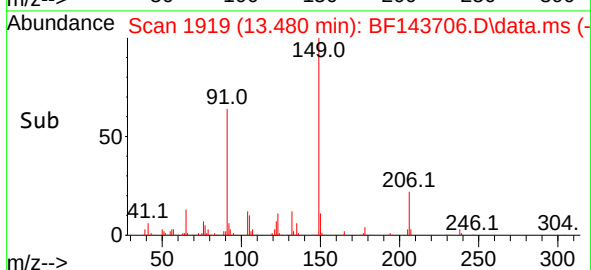
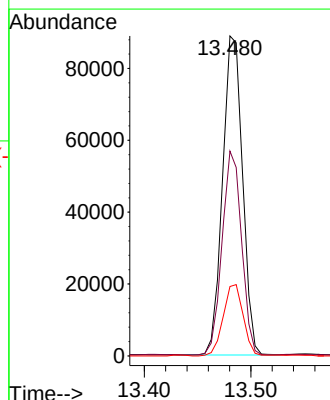
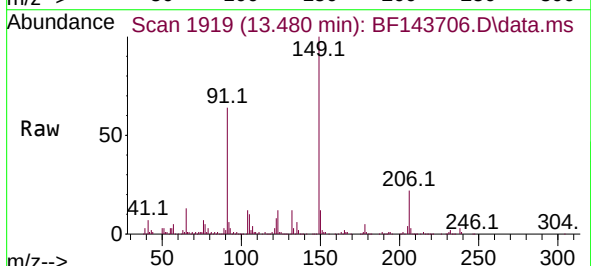
Tgt Ion:149 Resp: 115677

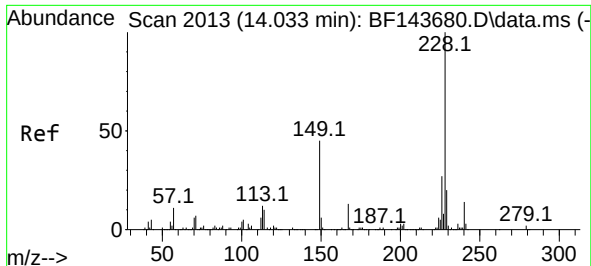
Ion Ratio Lower Upper

149 100

91 64.0 50.9 76.3

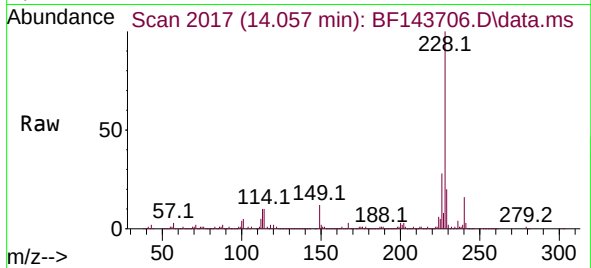
206 21.7 18.2 27.2





#81  
Benzo(a)anthracene  
Concen: 68.657 ng  
RT: 14.057 min Scan# 2010  
Delta R.T. 0.023 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

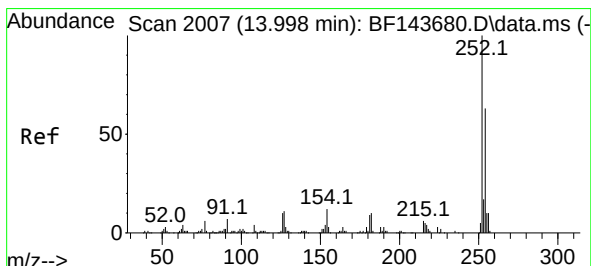
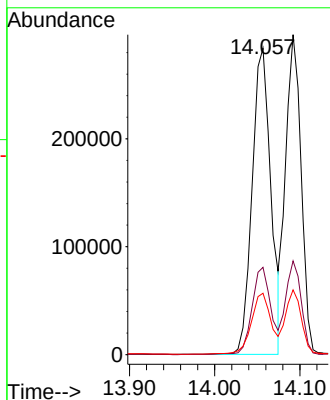
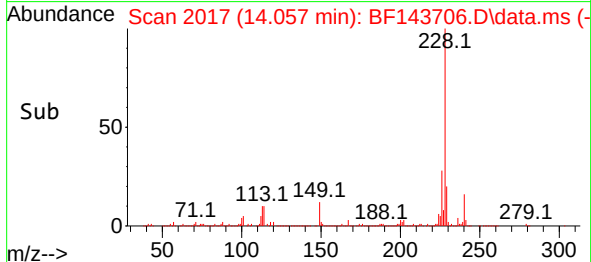
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-258MSD



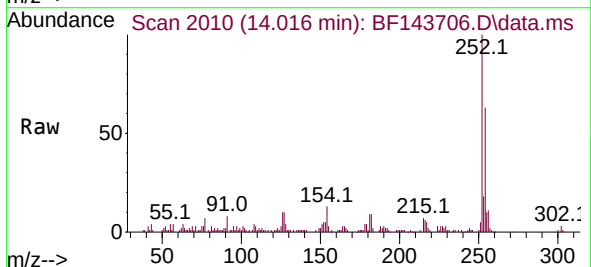
Tgt Ion:228 Resp: 43475  
Ion Ratio Lower Upper  
228 100  
226 28.5 21.6 32.4  
229 20.0 15.7 23.5

Manual Integrations  
APPROVED

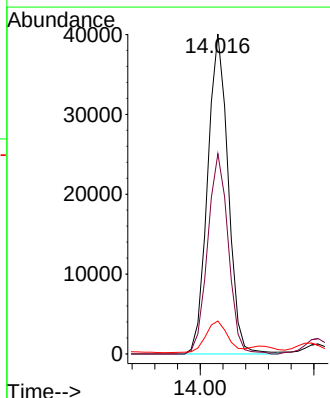
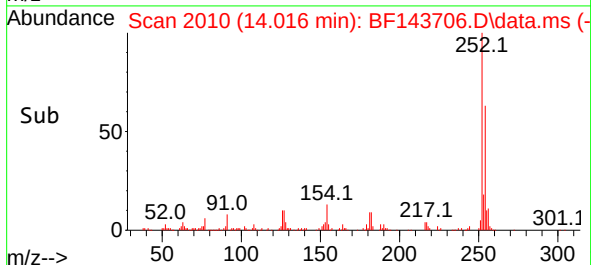
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025

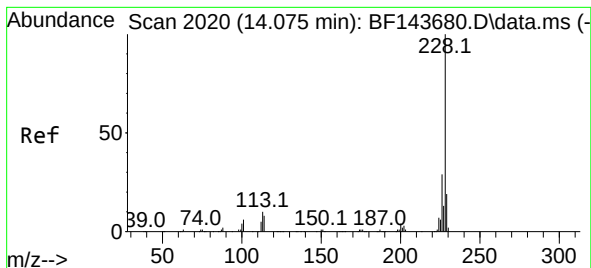


#82  
3,3'-Dichlorobenzidine  
Concen: 25.841 ng  
RT: 14.016 min Scan# 2010  
Delta R.T. 0.018 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02



Tgt Ion:252 Resp: 50341  
Ion Ratio Lower Upper  
252 100  
254 62.6 50.5 75.7  
126 10.3 8.2 12.4





#83

Chrysene

Concen: 64.861 ng

RT: 14.092 min Scan# 20

Delta R.T. 0.018 min

Lab File: BF143706.D

Acq: 11 Sep 2025 15:02

Instrument :

BNA\_F

ClientSampleId :

VNJ-258MSD

Tgt Ion:228 Resp: 376163

Ion Ratio Lower Upper

228 100

226 29.3 22.7 34.1

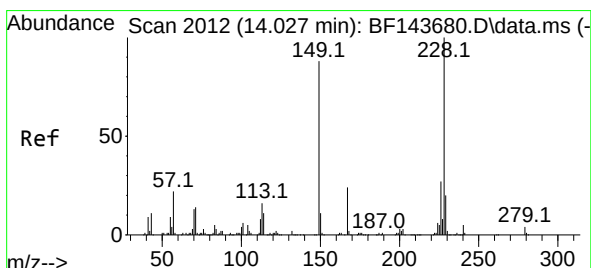
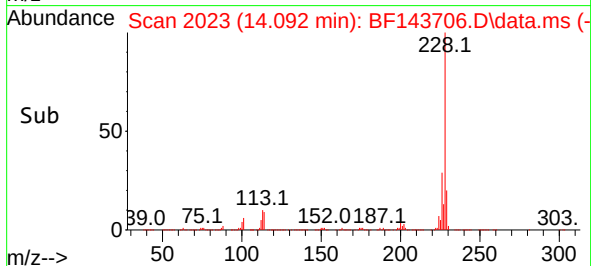
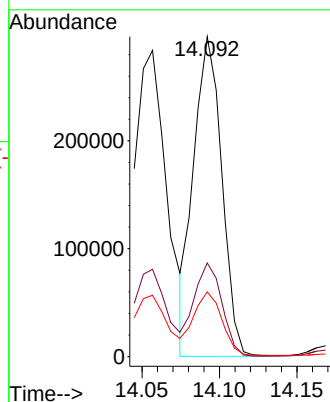
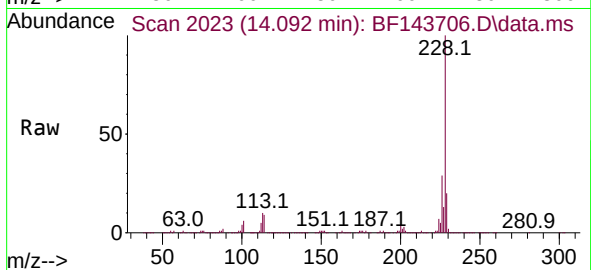
229 20.2 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.596 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.018 min

Lab File: BF143706.D

Acq: 11 Sep 2025 15:02

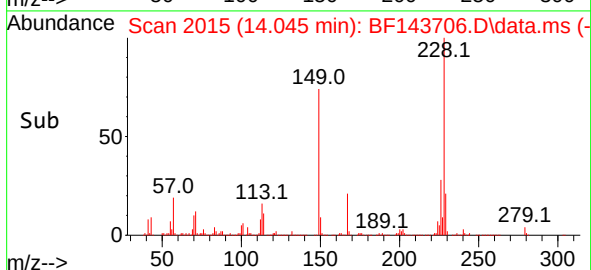
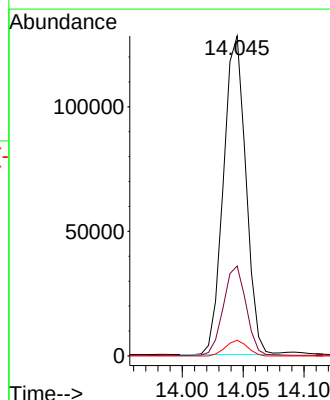
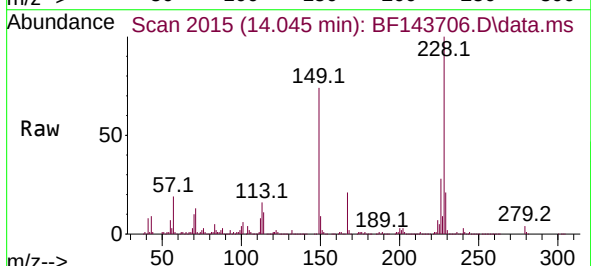
Tgt Ion:149 Resp: 163932

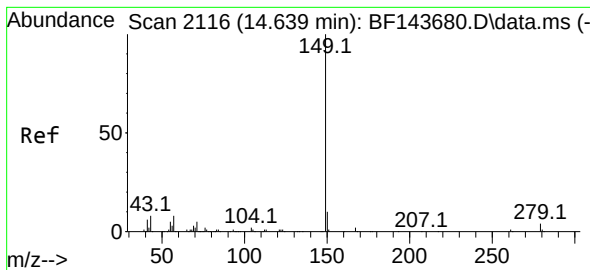
Ion Ratio Lower Upper

149 100

167 28.1 22.2 33.2

279 4.9 3.5 5.3





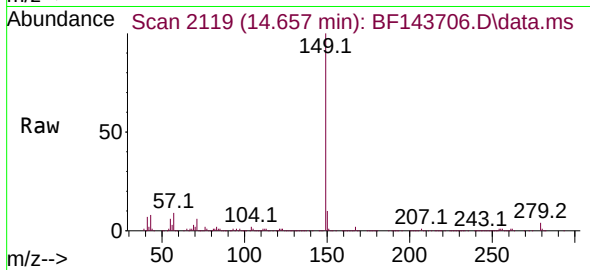
#85  
Di-n-octyl phthalate  
Concen: 46.158 ng  
RT: 14.657 min Scan# 2116  
Delta R.T. 0.018 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

Instrument :

BNA\_F

ClientSampleId :

VNJ-258MSD

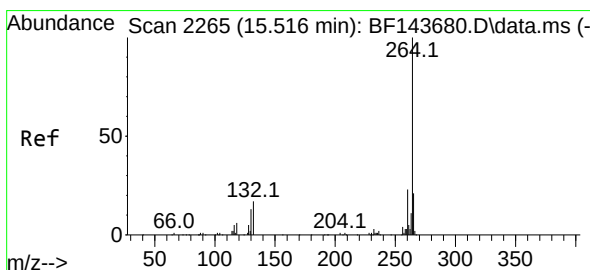
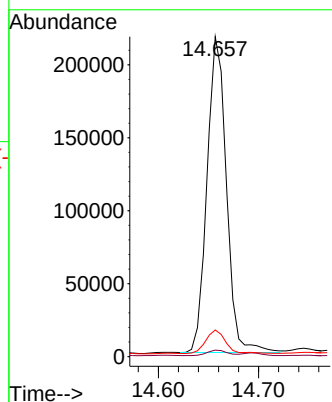
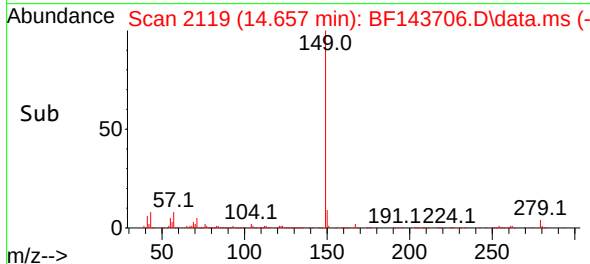


Tgt Ion:149 Resp: 291005  
Ion Ratio Lower Upper  
149 100  
167 2.2 1.2 1.8  
43 8.2 6.2 9.2

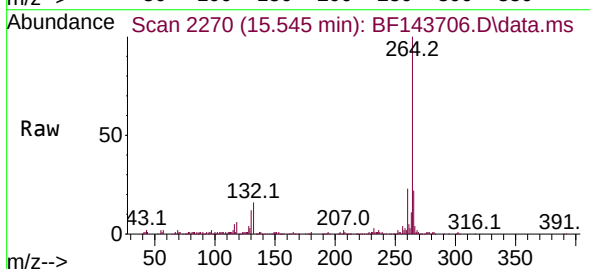
Manual Integrations

APPROVED

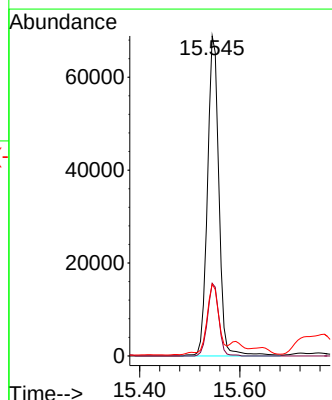
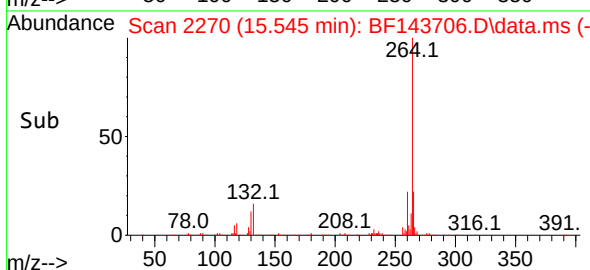
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025

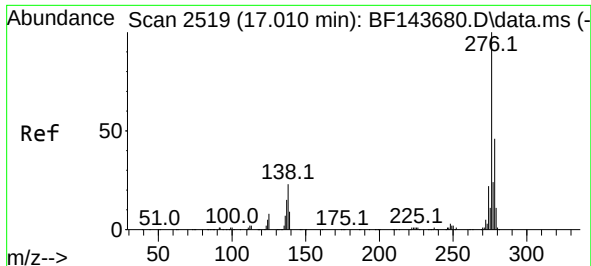


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.545 min Scan# 2270  
Delta R.T. 0.029 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02



Tgt Ion:264 Resp: 109093  
Ion Ratio Lower Upper  
264 100  
260 22.7 18.4 27.6  
265 22.5 17.1 25.7





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 33.386 ng  
RT: 17.045 min Scan# 2197  
Delta R.T. 0.035 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

Instrument :

BNA\_F

ClientSampleId :

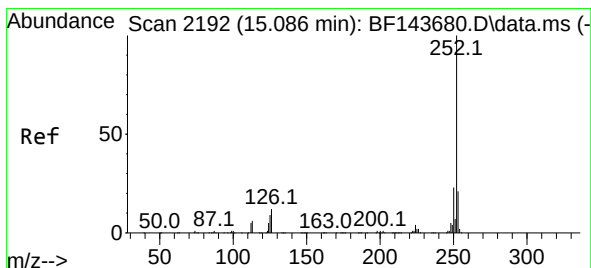
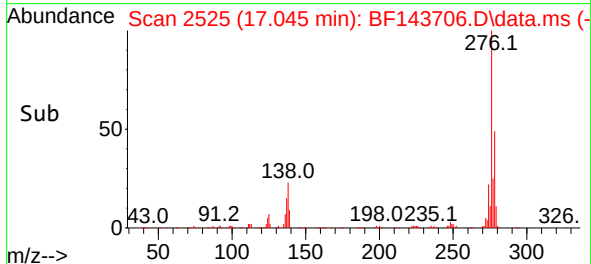
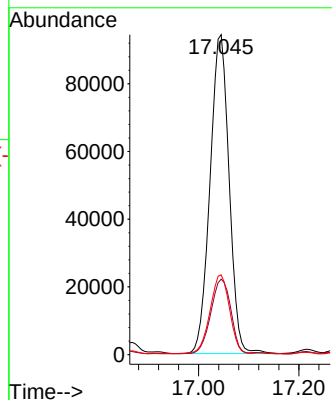
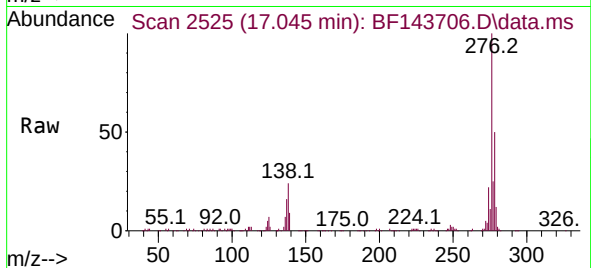
VNJ-258MSD

Tgt Ion:276 Resp: 248572  
Ion Ratio Lower Upper  
276 100  
138 24.5 19.7 29.5  
277 25.1 20.2 30.2

Manual Integrations

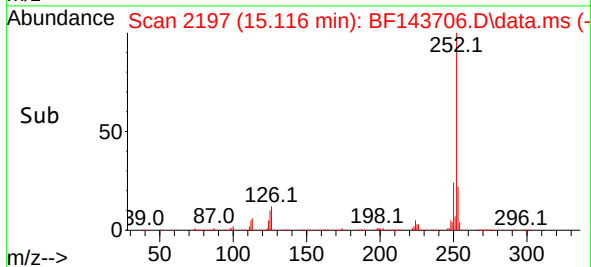
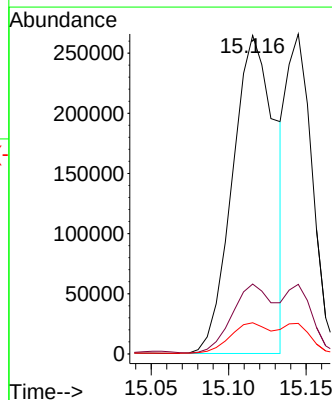
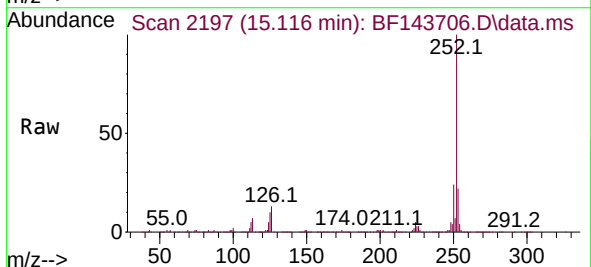
APPROVED

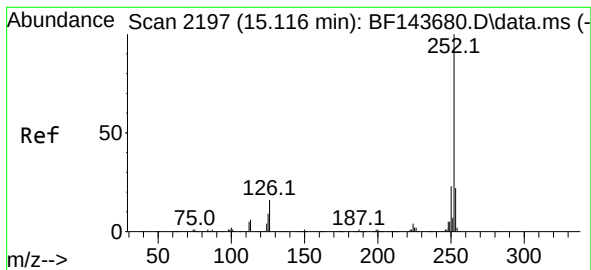
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#88  
Benzo(b)fluoranthene  
Concen: 78.208 ng  
RT: 15.116 min Scan# 2197  
Delta R.T. 0.029 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

Tgt Ion:252 Resp: 507892  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.0 25.4  
125 9.8 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 51.561 ng

RT: 15.145 min Scan# 2202

Delta R.T. 0.029 min

Lab File: BF143706.D

Acq: 11 Sep 2025 15:02

Instrument :

BNA\_F

ClientSampleId :

VNJ-258MSD

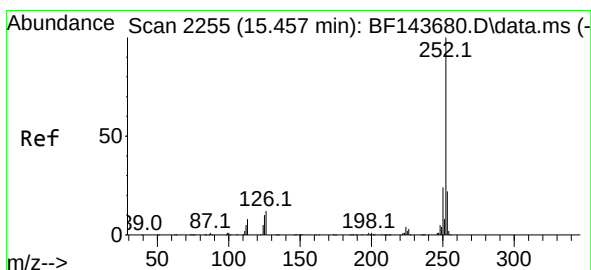
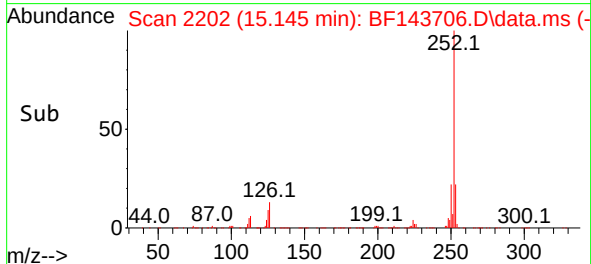
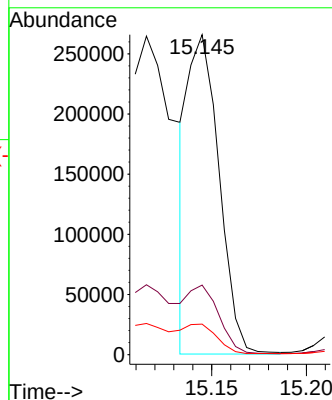
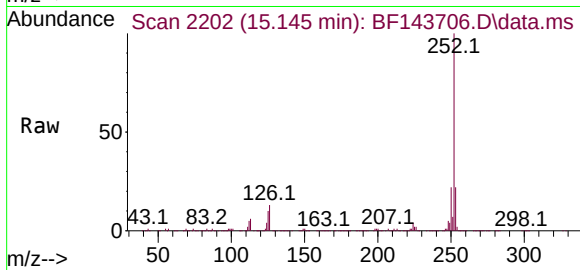
Tgt Ion:252 Resp: 302198  
 Ion Ratio Lower Upper  
 252 100  
 253 21.7 17.3 25.9  
 125 9.5 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#90

Benzo(a)pyrene

Concen: 66.482 ng

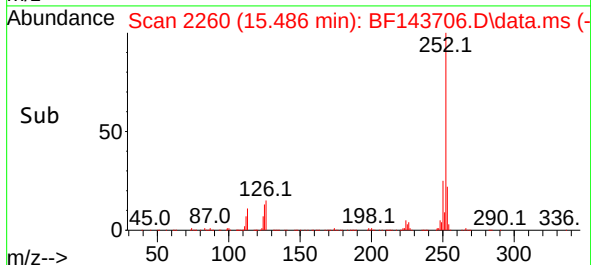
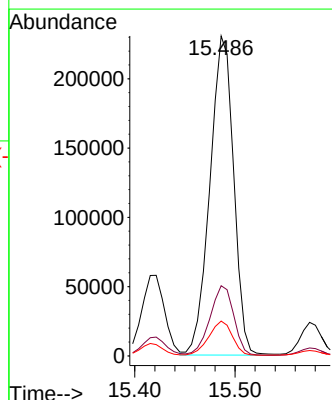
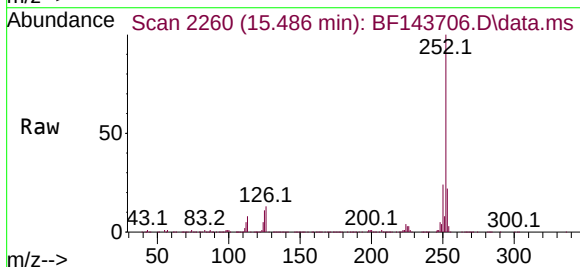
RT: 15.486 min Scan# 2260

Delta R.T. 0.029 min

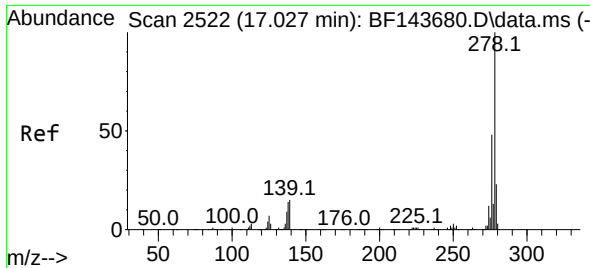
Lab File: BF143706.D

Acq: 11 Sep 2025 15:02

Tgt Ion:252 Resp: 379295  
 Ion Ratio Lower Upper  
 252 100  
 253 21.9 17.4 26.0  
 125 10.9 8.2 12.4







#91  
Dibenzo(a,h)anthracene  
Concen: 28.836 ng  
RT: 17.062 min Scan# 21  
Delta R.T. 0.035 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

Instrument :

BNA\_F

ClientSampleId :

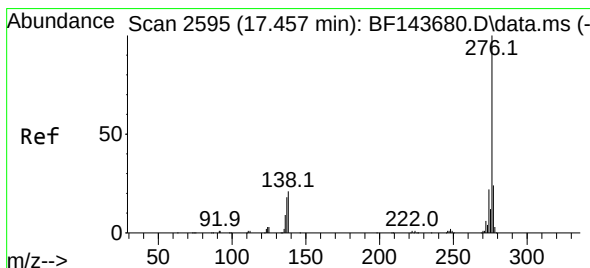
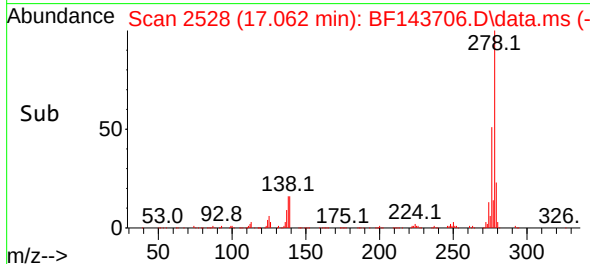
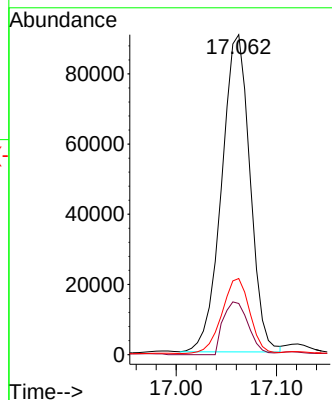
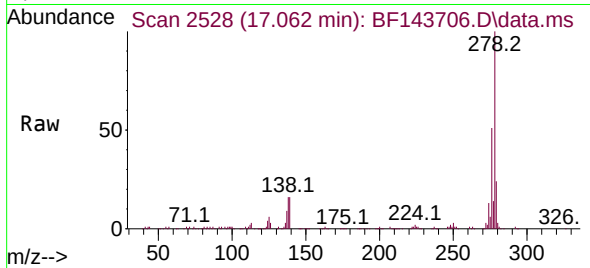
VNJ-258MSD

Tgt Ion:278 Resp: 178125  
Ion Ratio Lower Upper  
278 100  
139 16.0 12.2 18.4  
279 23.8 18.7 28.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#92  
Benzo(g,h,i)perylene  
Concen: 32.532 ng  
RT: 17.498 min Scan# 2602  
Delta R.T. 0.041 min  
Lab File: BF143706.D  
Acq: 11 Sep 2025 15:02

Tgt Ion:276 Resp: 187965  
Ion Ratio Lower Upper  
276 100  
277 23.1 19.2 28.8  
138 21.0 17.0 25.4

