

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072822\  
 Data File : BF129402.D  
 Acq On : 28 Jul 2022 11:24  
 Operator : CG\JU  
 Sample : PB146497BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB146497BSD

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 07/29/2022  
 Supervised By : Jagrut Upadhyay 07/29/2022

Quant Time: Jul 29 02:06:54 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 25 17:24:17 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 241353   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 966283   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 499401   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.422 | 188  | 831656   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.068 | 240  | 559778   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.557 | 264  | 434549   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.528  | 112  | 1831251  | 123.599 | ng    | 0.03     |
| 7) Phenol-d6                  | 6.534  | 99   | 2281914  | 122.533 | ng    | 0.02     |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 1524425  | 86.120  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.727 | 330  | 610961   | 127.247 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 2528560  | 78.325  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.010 | 244  | 2655940  | 89.511  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.787  | 88   | 231729   | 34.665  | ng    | 90       |
| 3) Pyridine                   | 3.563  | 79   | 562087   | 30.278  | ng    | 93       |
| 4) n-Nitrosodimethylamine     | 3.510  | 42   | 372565   | 45.703  | ng    | # 91     |
| 6) Aniline                    | 6.551  | 93   | 813110   | 35.121  | ng    | 95       |
| 8) 2-Chlorophenol             | 6.675  | 128  | 775541   | 47.912  | ng    | 96       |
| 9) Benzaldehyde               | 6.440  | 77   | 208799   | 16.510  | ng    | 97       |
| 10) Phenol                    | 6.545  | 94   | 897268m  | 45.244  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.622  | 93   | 726564   | 46.196  | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 780205   | 44.942  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.904  | 146  | 786265   | 44.533  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 756532   | 46.618  | ng    | 100      |
| 15) Benzyl Alcohol            | 7.034  | 79   | 649780   | 48.109  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157  | 45   | 982035   | 41.539  | ng    | 84       |
| 17) 2-Methylphenol            | 7.145  | 107  | 601009   | 44.756  | ng    | 96       |
| 18) Hexachloroethane          | 7.392  | 117  | 302488   | 45.500  | ng    | # 88     |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 498130   | 44.184  | ng    | 93       |
| 20) 3+4-Methylphenols         | 7.298  | 107  | 705115   | 41.298  | ng    | # 83     |
| 22) Acetophenone              | 7.298  | 105  | 982886   | 43.690  | ng    | # 92     |
| 24) Nitrobenzene              | 7.475  | 77   | 785802   | 43.110  | ng    | 95       |
| 25) Isophorone                | 7.710  | 82   | 1431828  | 45.126  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.787  | 139  | 409085   | 45.492  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.828  | 122  | 696140m  | 51.609  | ng    |          |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 864453   | 46.965  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.028  | 162  | 605960   | 43.525  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 630330   | 43.741  | ng    | 97       |
| 31) Naphthalene               | 8.192  | 128  | 2062095  | 42.004  | ng    | 99       |
| 32) Benzoic acid              | 7.957  | 122  | 351457   | 36.042  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.239  | 127  | 571321   | 28.346  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.304  | 225  | 365553   | 44.626  | ng    | 100      |
| 35) Caprolactam               | 8.634  | 113  | 197393m  | 43.610  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.734  | 107  | 664885   | 45.028  | ng    | 94       |
| 37) 2-Methylnaphthalene       | 8.881  | 142  | 1366386  | 42.829  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.981  | 142  | 1281289  | 41.603  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 585713   | 44.666  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.034  | 237  | 624647   | 106.975 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.163  | 196  | 411992   | 43.257  | ng    | 98       |

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Manual Integrations  
 APPROVED

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.216  | 196  | 425794   | 41.110 | ng    | # 92     |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 1590655  | 43.644 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 1256457  | 42.645 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.481  | 65   | 423957   | 43.273 | ng    | # 83     |
| 49) Acenaphthylene            | 9.792  | 152  | 1980037  | 44.228 | ng    | 99       |
| 50) Dimethylphthalate         | 9.657  | 163  | 1468588  | 42.598 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.722  | 165  | 340364   | 44.110 | ng    | 91       |
| 52) Acenaphthene              | 9.963  | 154  | 1363970m | 46.646 | ng    |          |
| 53) 3-Nitroaniline            | 9.892  | 138  | 285779   | 31.364 | ng    | # 90     |
| 54) 2,4-Dinitrophenol         | 9.998  | 184  | 347688   | 88.265 | ng    | 94       |
| 55) Dibenzofuran              | 10.139 | 168  | 1708972  | 42.397 | ng    | 97       |
| 56) 4-Nitrophenol             | 10.063 | 139  | 530467   | 78.914 | ng    | 92       |
| 57) 2,4-Dinitrotoluene        | 10.128 | 165  | 444461   | 44.093 | ng    | 95       |
| 58) Fluorene                  | 10.480 | 166  | 1349066  | 41.829 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.257 | 232  | 328375   | 41.026 | ng    | 92       |
| 60) Diethylphthalate          | 10.351 | 149  | 1410389  | 42.320 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 610413   | 42.931 | ng    | 92       |
| 62) 4-Nitroaniline            | 10.516 | 138  | 363873   | 40.256 | ng    | 97       |
| 63) Azobenzene                | 10.633 | 77   | 1396867  | 41.094 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 10.533 | 198  | 224826   | 42.830 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 10.592 | 169  | 1189183  | 42.937 | ng    | 96       |
| 67) 4-Bromophenyl-phenylether | 10.963 | 248  | 398610   | 43.770 | ng    | 98       |
| 68) Hexachlorobenzene         | 11.027 | 284  | 446552   | 45.255 | ng    | 99       |
| 69) Atrazine                  | 11.122 | 200  | 365549   | 43.453 | ng    | 97       |
| 70) Pentachlorophenol         | 11.227 | 266  | 427904   | 79.768 | ng    | 97       |
| 71) Phenanthrene              | 11.445 | 178  | 1909799  | 42.068 | ng    | 100      |
| 72) Anthracene                | 11.498 | 178  | 1936468  | 43.406 | ng    | 99       |
| 73) Carbazole                 | 11.657 | 167  | 1834235  | 43.676 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.974 | 149  | 2112022  | 42.230 | ng    | 100      |
| 75) Fluoranthene              | 12.639 | 202  | 1980874  | 43.064 | ng    | 100      |
| 77) Benzidine                 | 12.757 | 184  | 609247   | 30.808 | ng    | 99       |
| 78) Pyrene                    | 12.869 | 202  | 2023014  | 43.217 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 894922   | 44.076 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.057 | 228  | 1662417  | 43.475 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.016 | 252  | 461211   | 36.531 | ng    | # 98     |
| 83) Chrysene                  | 14.098 | 228  | 1513443  | 41.996 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149  | 1173091  | 43.886 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 1734217  | 45.084 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.068 | 276  | 1341886  | 45.856 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.115 | 252  | 1410700  | 48.940 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.151 | 252  | 1287058  | 45.564 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.498 | 252  | 1269699  | 54.262 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.092 | 278  | 1154332  | 48.466 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.539 | 276  | 1193964  | 49.059 | ng    | 99       |

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

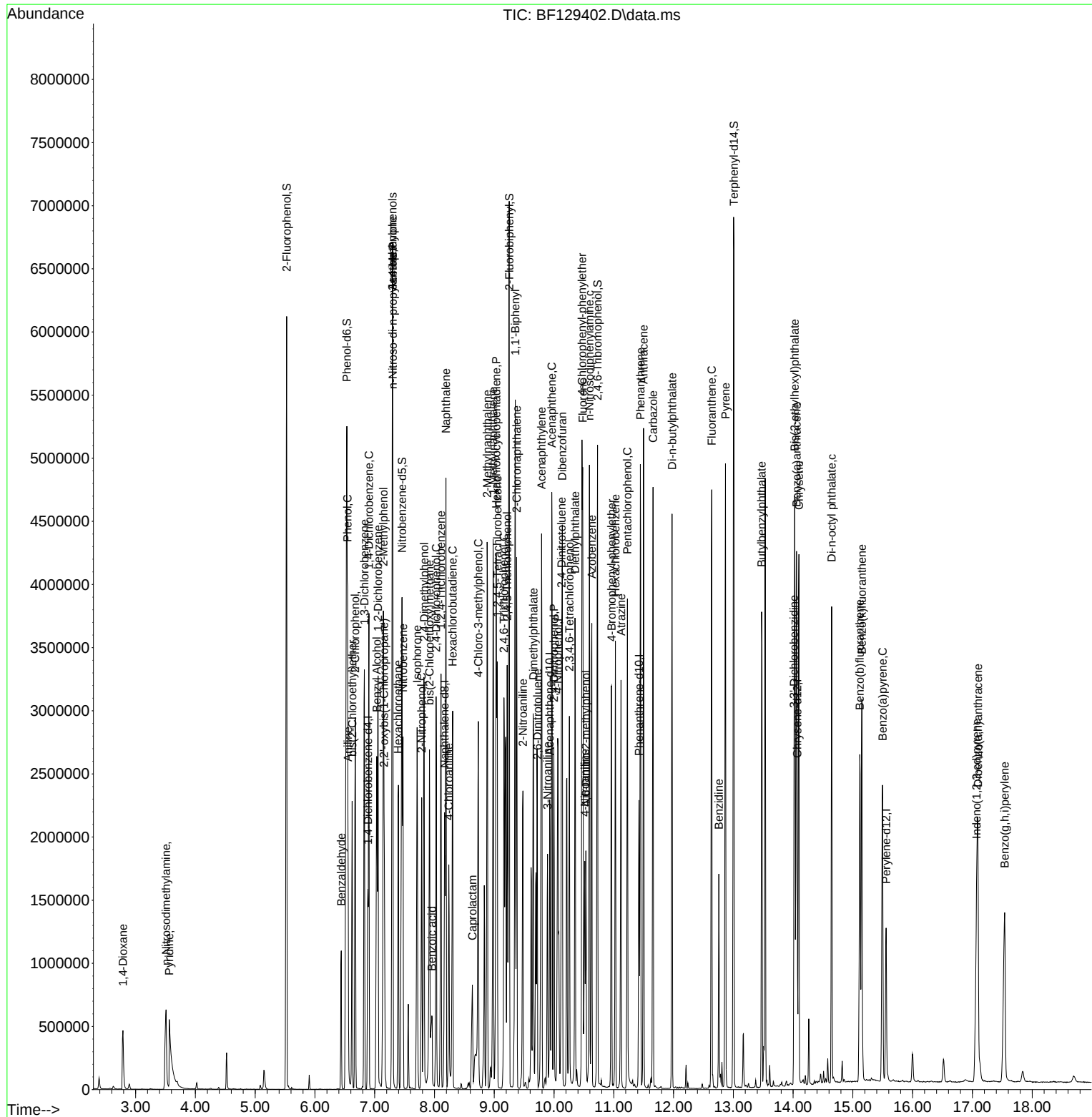
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072822\  
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 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

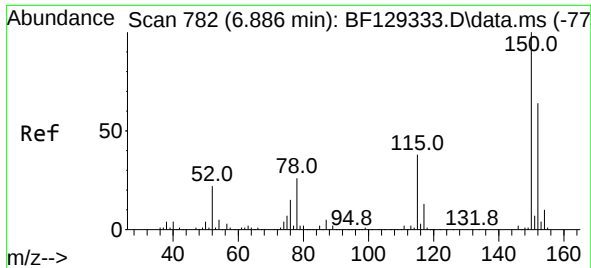
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### Manual Integrations APPROVED

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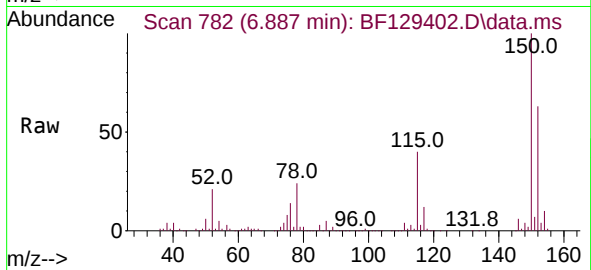
Quant Time: Jul 29 02:06:54 2022  
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#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.887 min Scan# 782  
 Delta R.T. 0.001 min  
 Lab File: BF129402.D  
 Acq: 28 Jul 2022 11:24

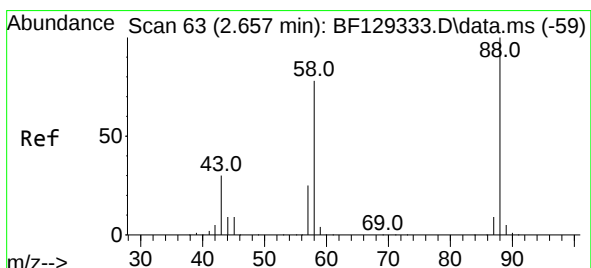
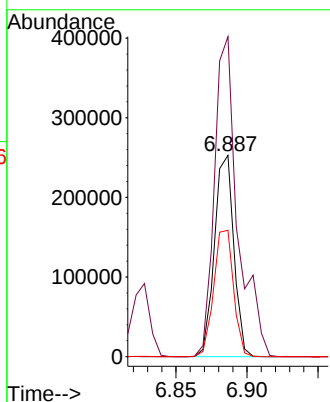
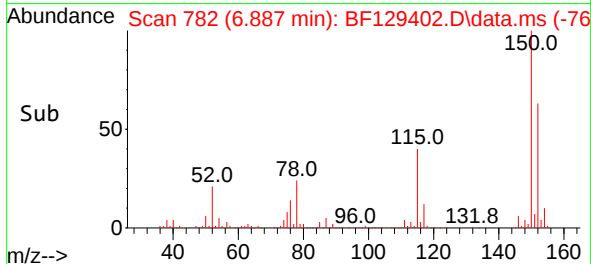
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB146497BSD



Tgt Ion:152 Resp: 241353  
 Ion Ratio Lower Upper  
 152 100  
 150 159.0 123.7 185.5  
 115 62.8 49.9 74.9

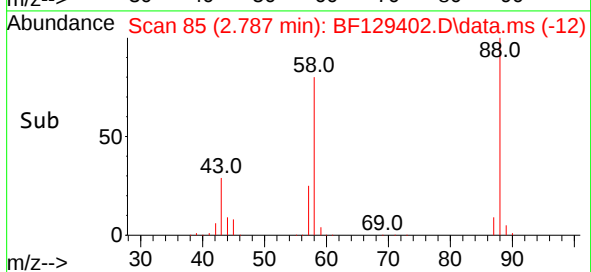
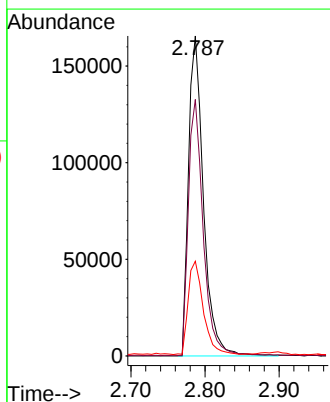
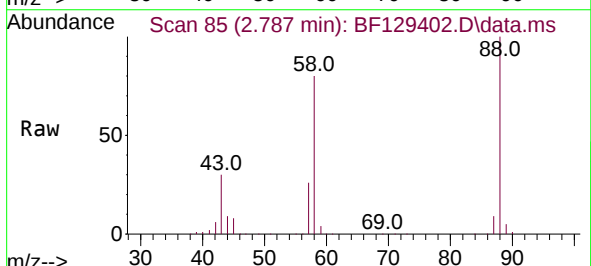
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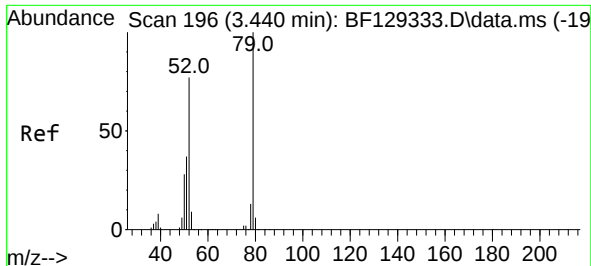
Reviewed By :Christian Giraldo 07/29/2022  
 Supervised By :Jagrut Upadhyay 07/29/2022



#2  
 1,4-Dioxane  
 Concen: 34.665 ng  
 RT: 2.787 min Scan# 85  
 Delta R.T. 0.129 min  
 Lab File: BF129402.D  
 Acq: 28 Jul 2022 11:24

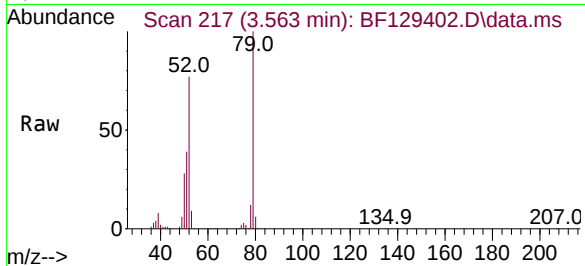
Tgt Ion: 88 Resp: 231729  
 Ion Ratio Lower Upper  
 88 100  
 58 79.3 71.8 107.8  
 43 29.5 26.6 39.8





#3  
Pyridine  
Concen: 30.278 ng  
RT: 3.563 min Scan# 21  
Delta R.T. 0.124 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

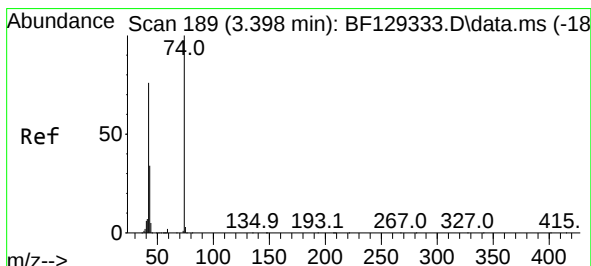
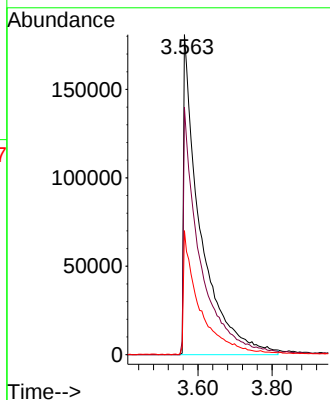
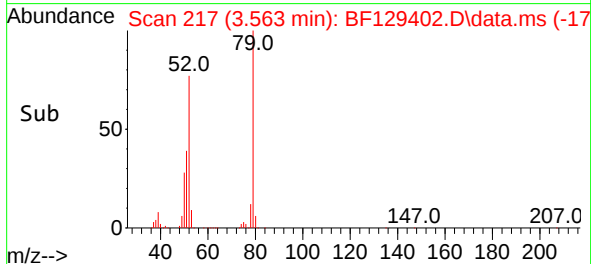
Instrument :  
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ClientSampleId :  
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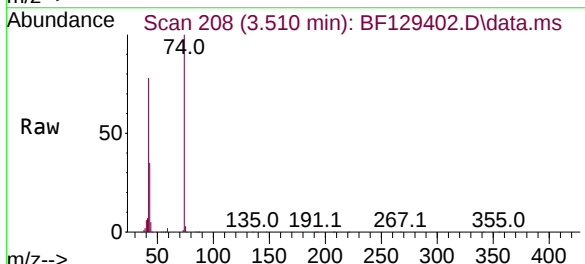
Tgt Ion: 79 Resp: 56208  
Ion Ratio Lower Upper  
79 100  
52 77.2 68.6 102.8  
51 38.7 32.9 49.3

Manual Integrations  
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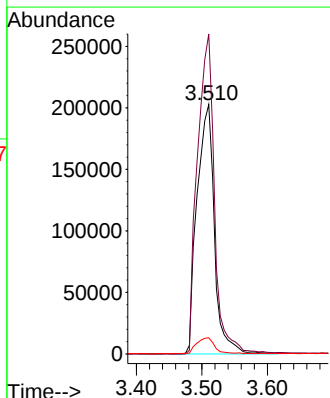
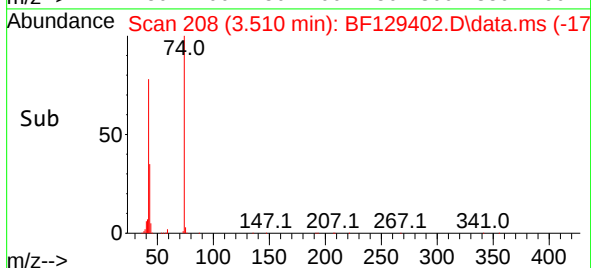
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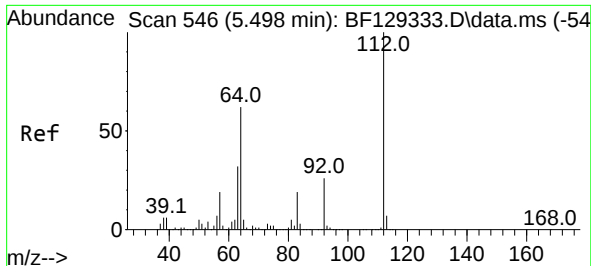


#4  
n-Nitrosodimethylamine  
Concen: 45.703 ng  
RT: 3.510 min Scan# 208  
Delta R.T. 0.112 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24



Tgt Ion: 42 Resp: 372565  
Ion Ratio Lower Upper  
42 100  
74 128.4 94.8 142.2  
44 6.5 6.6 10.0#





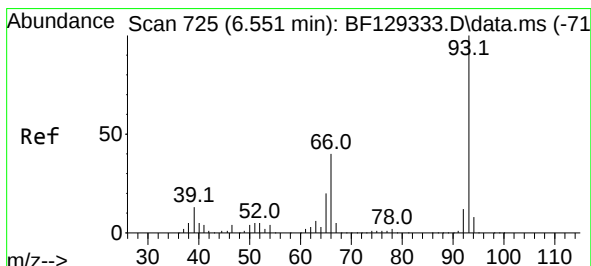
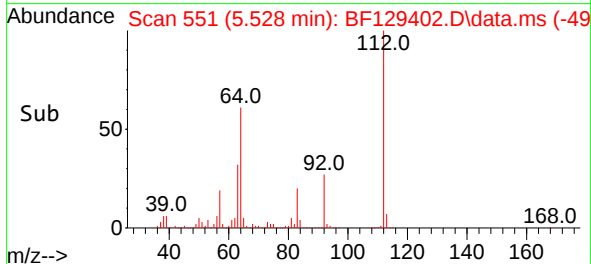
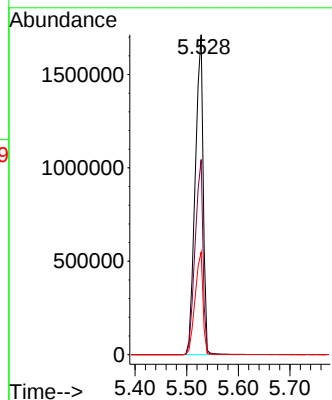
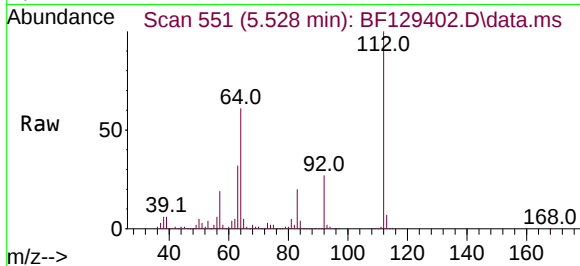
#5  
2-Fluorophenol  
Concen: 123.599 ng  
RT: 5.528 min Scan# 546  
Delta R.T. 0.029 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

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Tgt Ion:112 Resp: 183125  
Ion Ratio Lower Upper  
112 100  
64 61.0 53.3 79.9  
63 32.0 28.0 42.0

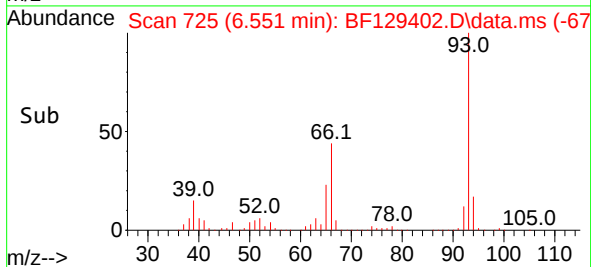
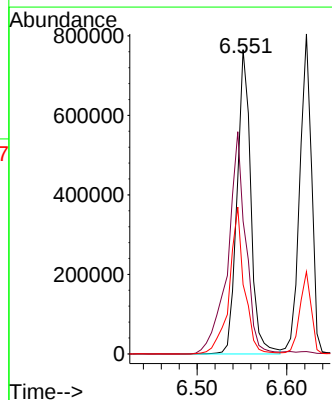
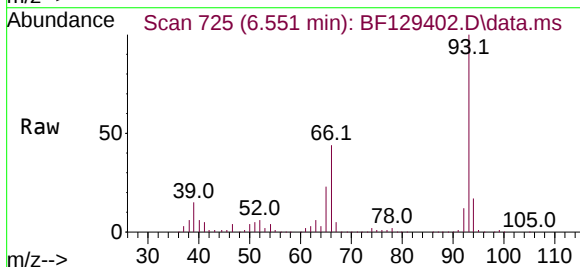
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#6  
Aniline  
Concen: 35.121 ng  
RT: 6.551 min Scan# 725  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

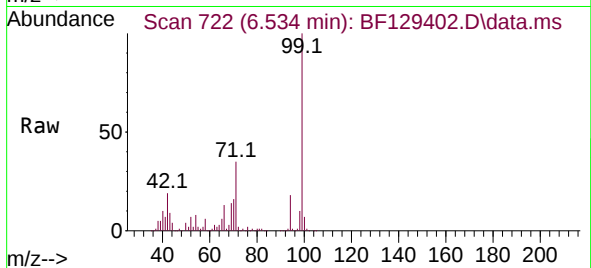
Tgt Ion: 93 Resp: 813110  
Ion Ratio Lower Upper  
93 100  
66 43.7 32.5 48.7  
65 22.8 16.4 24.6





#7  
Phenol-d6  
Concen: 122.533 ng  
RT: 6.534 min Scan# 719  
Delta R.T. 0.018 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

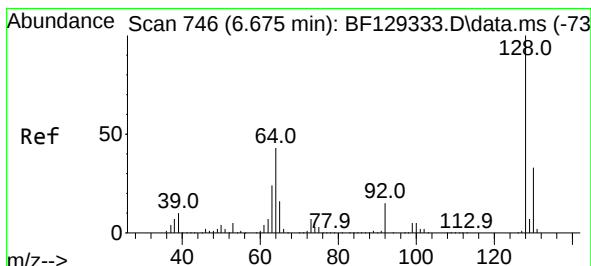
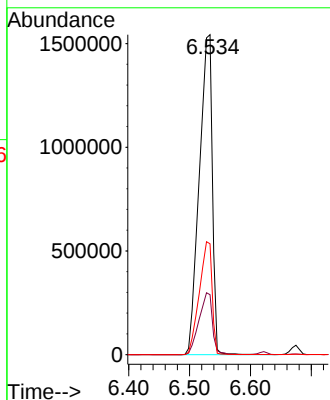
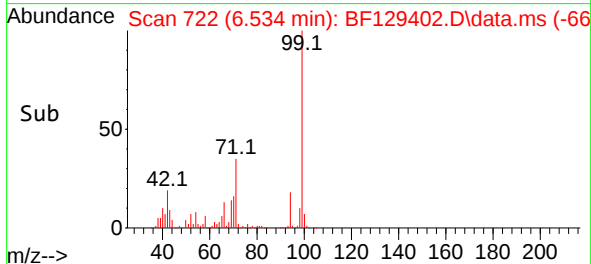
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 99 Resp: 2281914  
Ion Ratio Lower Upper  
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42 18.7 17.3 25.9  
71 34.6 28.9 43.3

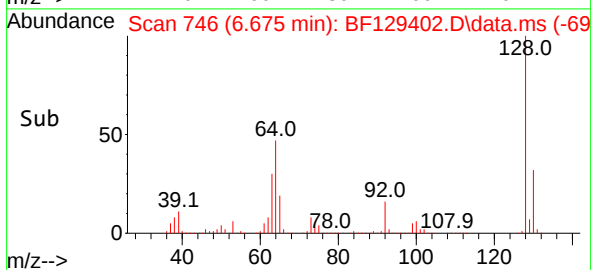
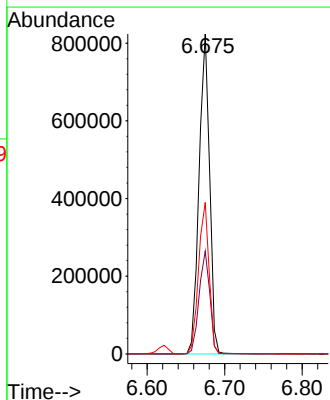
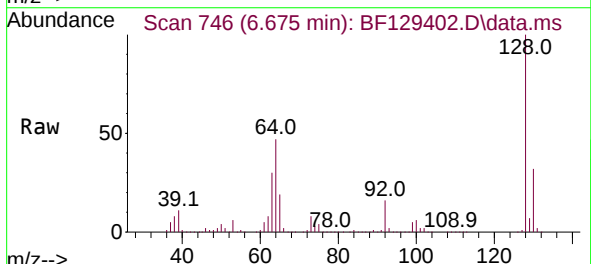
Manual Integrations  
APPROVED

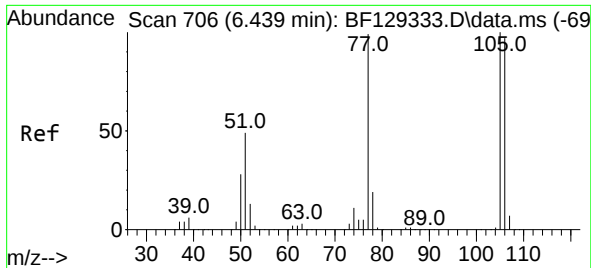
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022



#8  
2-Chlorophenol  
Concen: 47.912 ng  
RT: 6.675 min Scan# 746  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

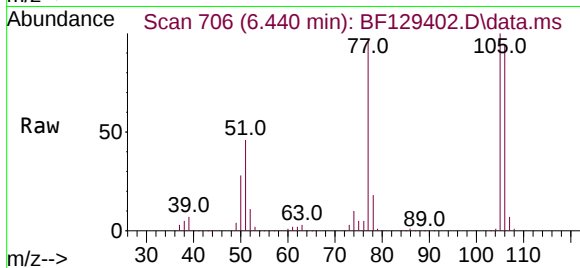
Tgt Ion:128 Resp: 775541  
Ion Ratio Lower Upper  
128 100  
130 32.1 13.1 53.1  
64 47.3 30.9 70.9





#9  
Benzaldehyde  
Concen: 16.510 ng  
RT: 6.440 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

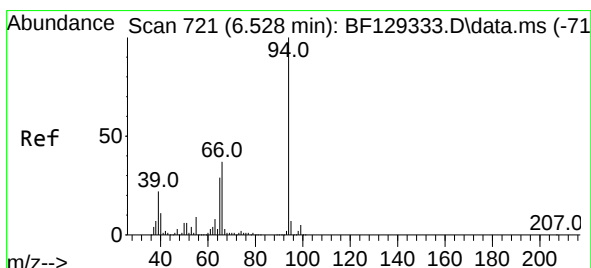
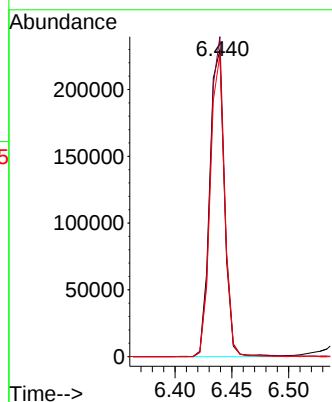
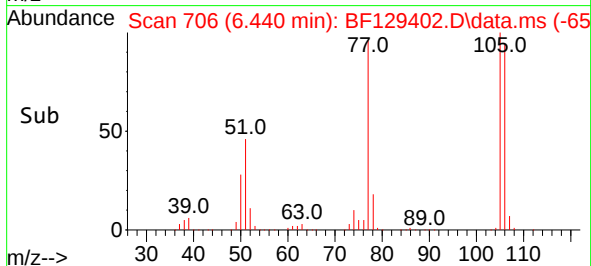
Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD



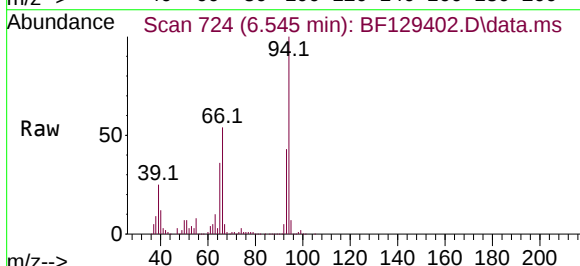
Tgt Ion: 77 Resp: 208799  
Ion Ratio Lower Upper  
77 100  
105 104.3 81.6 121.6  
106 98.4 76.1 116.1

Manual Integrations  
APPROVED

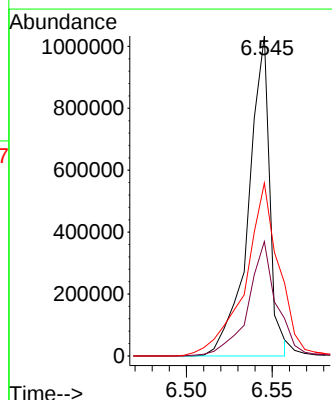
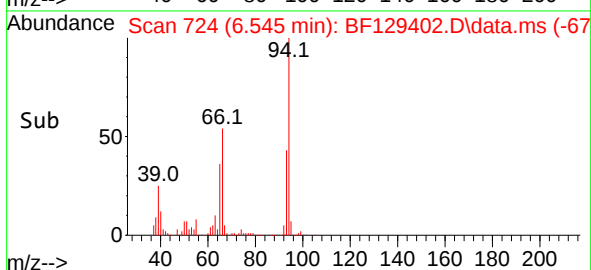
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022

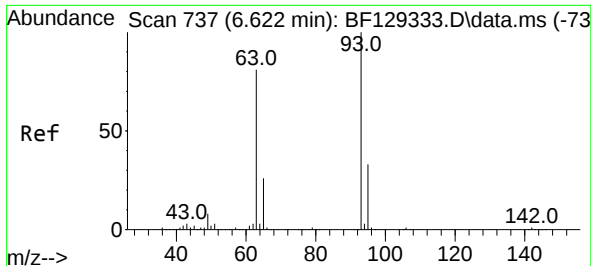


#10  
Phenol  
Concen: 45.244 ng m  
RT: 6.545 min Scan# 724  
Delta R.T. 0.018 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24



Tgt Ion: 94 Resp: 897268  
Ion Ratio Lower Upper  
94 100  
65 35.7 11.4 51.4  
66 54.0 21.4 61.4





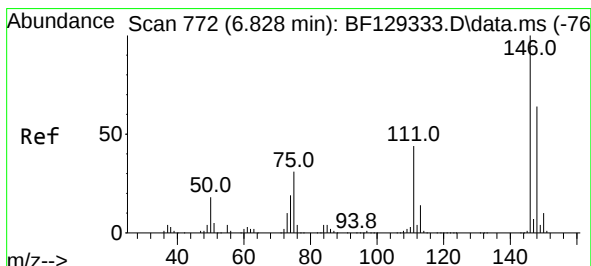
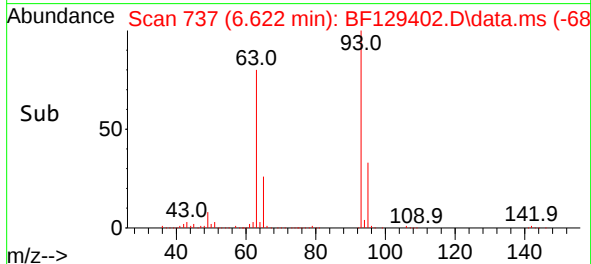
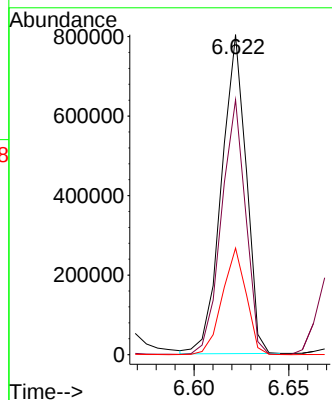
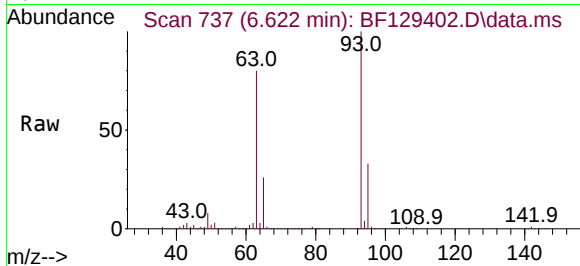
#11  
bis(2-Chloroethyl)ether  
Concen: 46.196 ng  
RT: 6.622 min Scan# 737  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD

Tgt Ion: 93 Resp: 726564  
Ion Ratio Lower Upper  
93 100  
63 79.6 67.4 107.4  
95 33.3 12.7 52.7

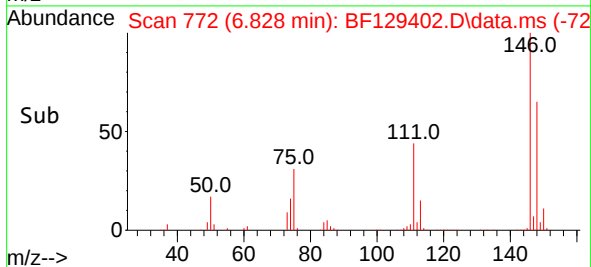
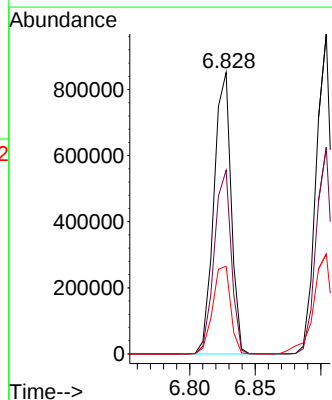
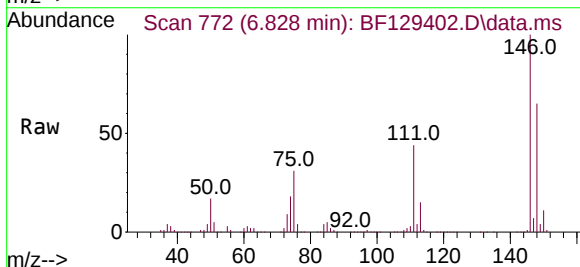
Manual Integrations  
APPROVED

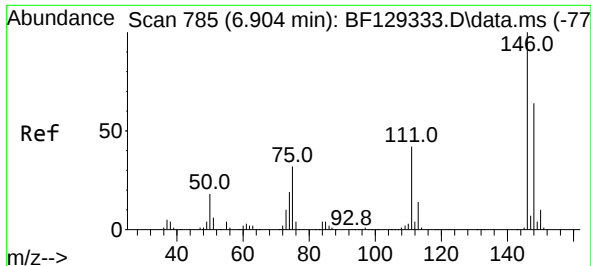
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022



#12  
1,3-Dichlorobenzene  
Concen: 44.942 ng  
RT: 6.828 min Scan# 772  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

Tgt Ion:146 Resp: 780205  
Ion Ratio Lower Upper  
146 100  
148 65.2 50.6 75.8  
75 31.1 26.3 39.5





#13

1,4-Dichlorobenzene

Concen: 44.533 ng

RT: 6.904 min Scan# 785

Delta R.T. 0.000 min

Lab File: BF129402.D

Acq: 28 Jul 2022 11:24

Instrument :

BNA\_F

ClientSampleId :

PB146497BSD

Tgt Ion:146 Resp: 786265

Ion Ratio Lower Upper

146 100

148 64.5 51.1 76.7

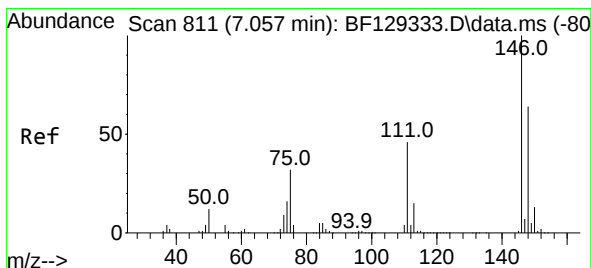
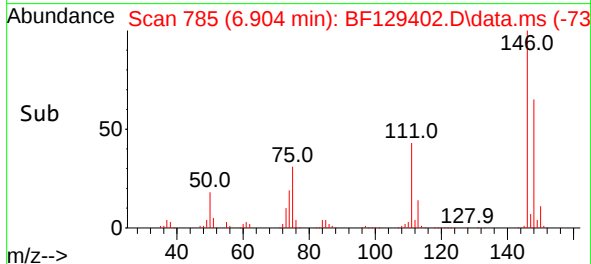
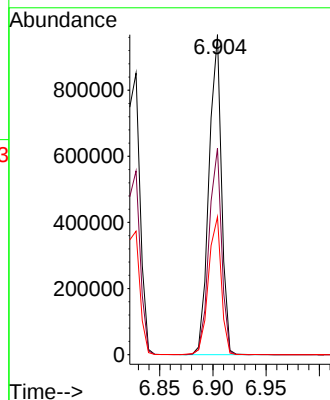
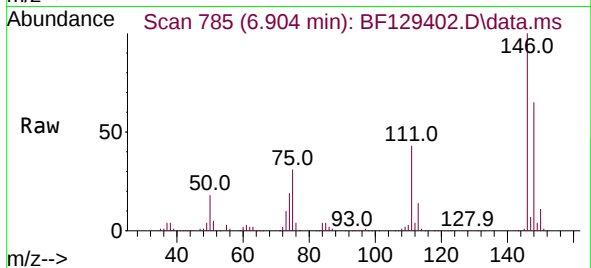
111 43.0 34.2 51.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/29/2022

Supervised By :Jagrut Upadhyay 07/29/2022



#14

1,2-Dichlorobenzene

Concen: 46.618 ng

RT: 7.057 min Scan# 811

Delta R.T. 0.000 min

Lab File: BF129402.D

Acq: 28 Jul 2022 11:24

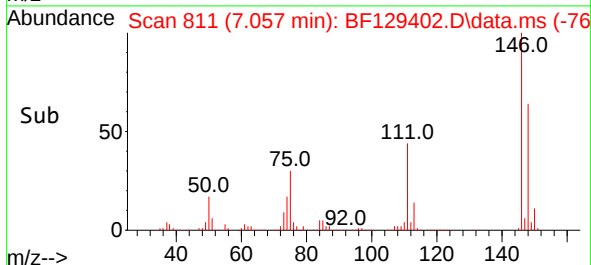
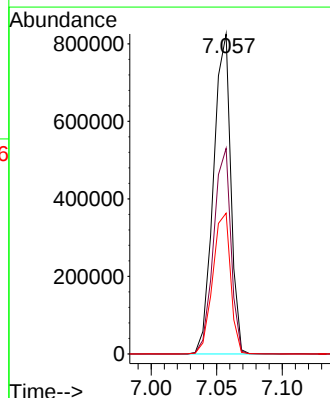
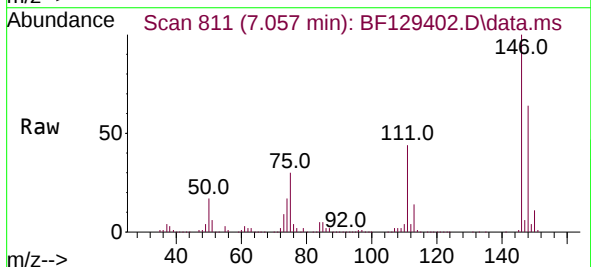
Tgt Ion:146 Resp: 756532

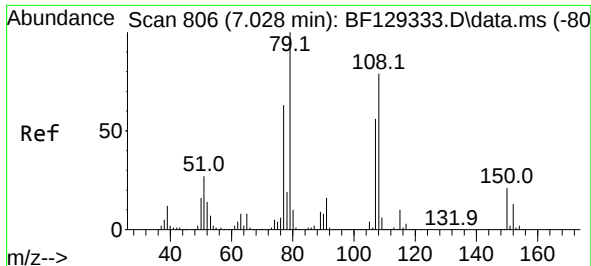
Ion Ratio Lower Upper

146 100

148 64.2 51.8 77.8

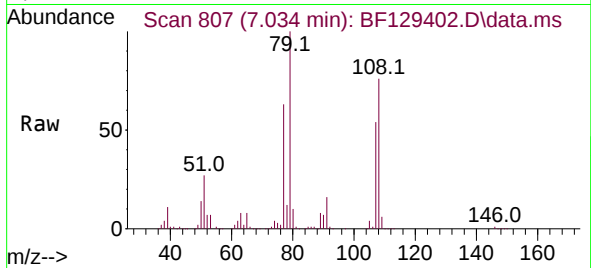
111 44.0 35.1 52.7





#15  
Benzyl Alcohol  
Concen: 48.109 ng  
RT: 7.034 min Scan# 806  
Delta R.T. 0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

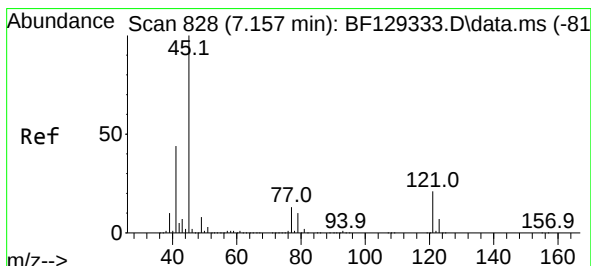
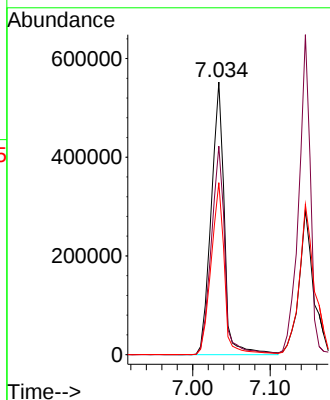
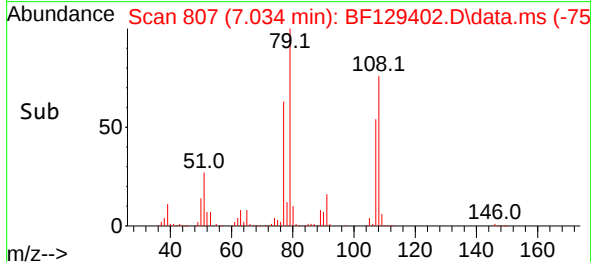
Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD



Tgt Ion: 79 Resp: 649780  
Ion Ratio Lower Upper  
79 100  
108 76.4 61.8 92.6  
77 63.1 50.2 75.4

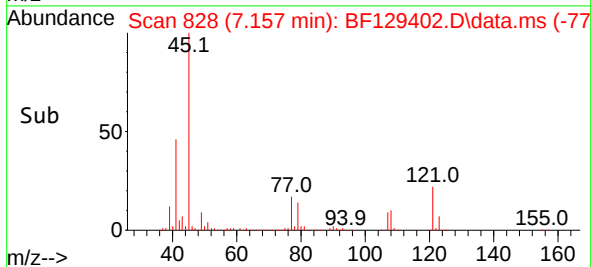
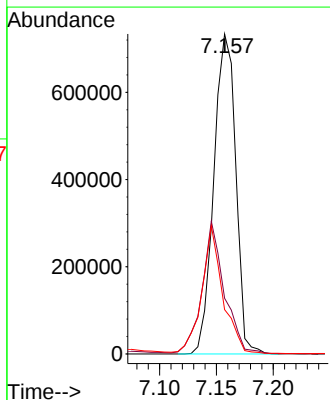
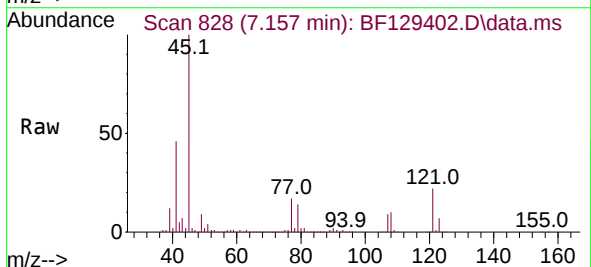
Manual Integrations  
APPROVED

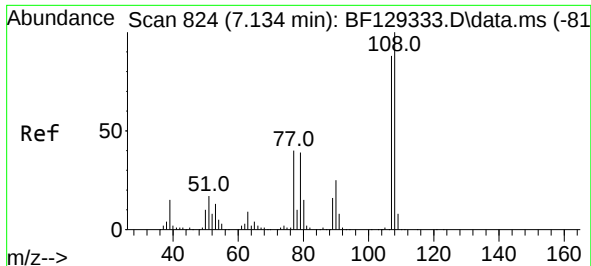
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 41.539 ng  
RT: 7.157 min Scan# 828  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

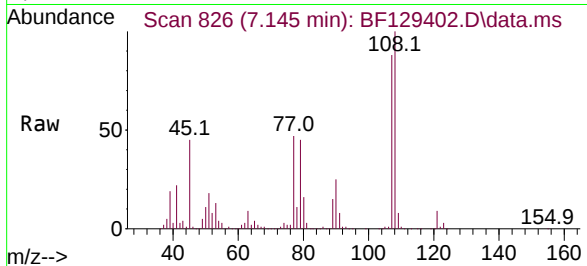
Tgt Ion: 45 Resp: 982035  
Ion Ratio Lower Upper  
45 100  
77 17.4 0.0 31.3  
79 13.8 0.0 28.3





#17  
2-Methylphenol  
Concen: 44.756 ng  
RT: 7.145 min Scan# 81  
Delta R.T. 0.012 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

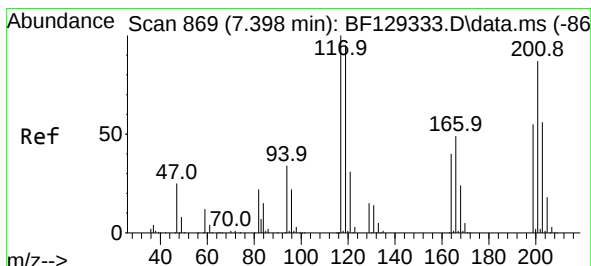
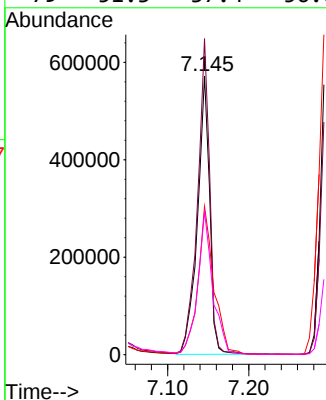
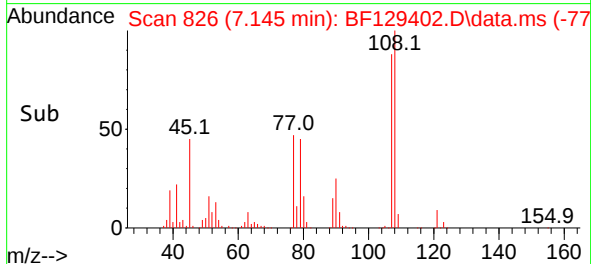
Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD



Tgt Ion:107 Resp: 601009  
Ion Ratio Lower Upper  
107 100  
108 113.4 91.9 137.9  
77 53.2 37.8 56.8  
79 51.3 37.4 56.0

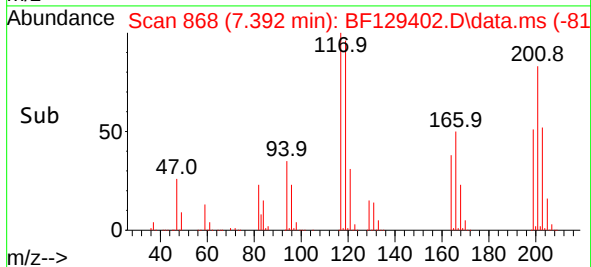
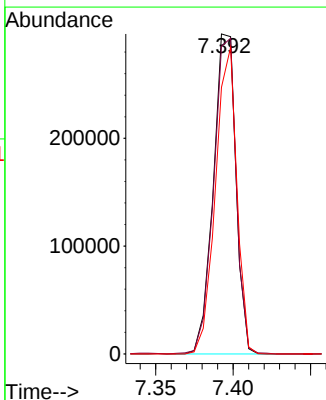
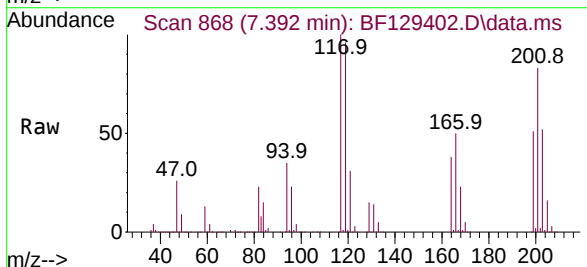
Manual Integrations  
APPROVED

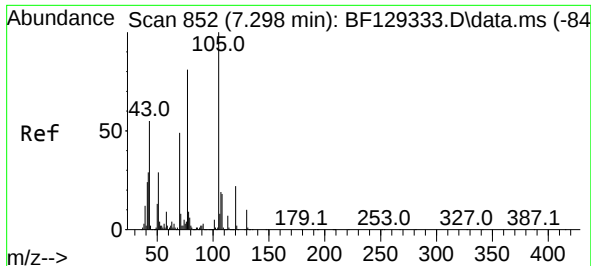
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022



#18  
Hexachloroethane  
Concen: 45.500 ng  
RT: 7.392 min Scan# 868  
Delta R.T. -0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

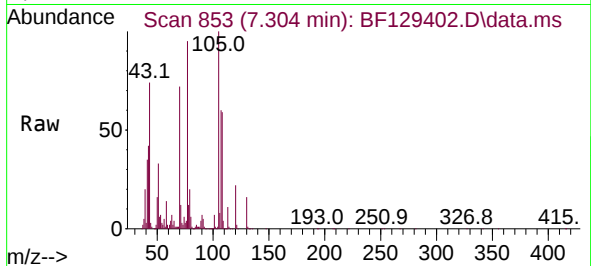
Tgt Ion:117 Resp: 302488  
Ion Ratio Lower Upper  
117 100  
119 96.1 77.4 116.2  
201 83.3 84.6 127.0#





#19  
n-Nitroso-di-n-propylamine  
Concen: 44.184 ng  
RT: 7.304 min Scan# 853  
Delta R.T. 0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

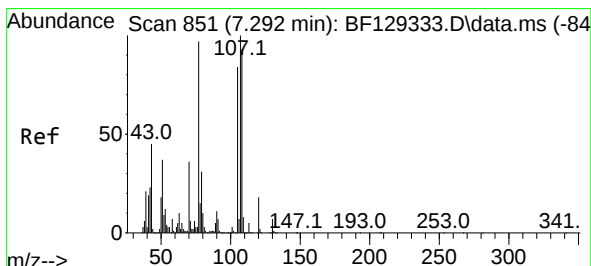
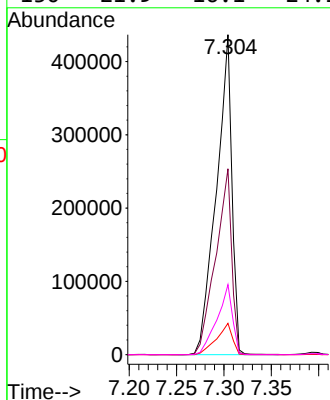
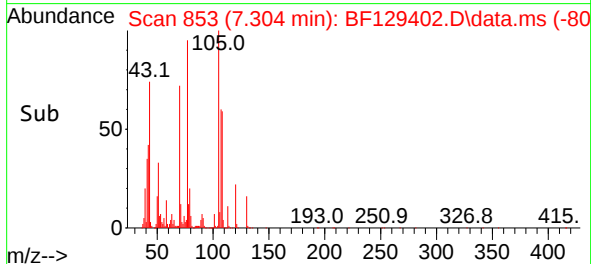
Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD



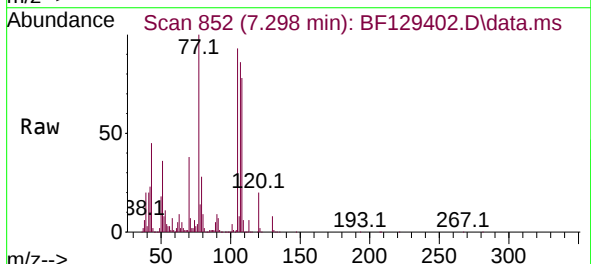
Tgt Ion: 70 Resp: 498130  
Ion Ratio Lower Upper  
70 100  
42 58.1 52.3 78.5  
101 9.8 7.5 11.3  
130 21.9 16.1 24.1

Manual Integrations  
APPROVED

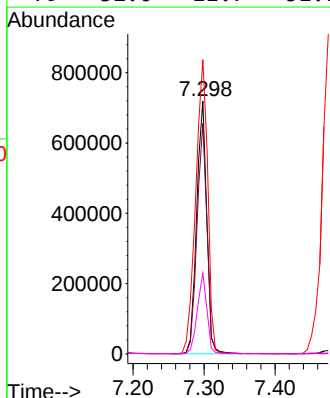
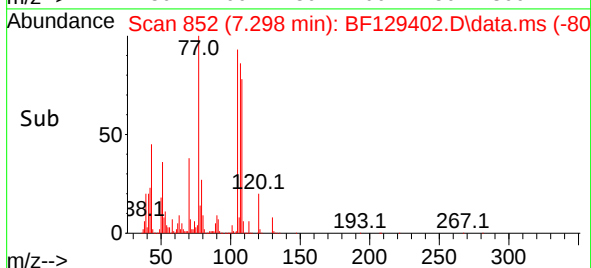
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022



#20  
3+4-Methylphenols  
Concen: 41.298 ng  
RT: 7.298 min Scan# 852  
Delta R.T. 0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24



Tgt Ion:107 Resp: 705115  
Ion Ratio Lower Upper  
107 100  
108 91.2 71.8 111.8  
77 116.4 59.3 99.3#  
79 32.0 11.7 51.7





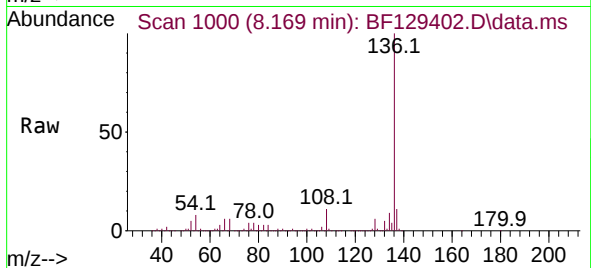
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1000  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

Instrument :

BNA\_F

ClientSampleId :

PB146497BSD

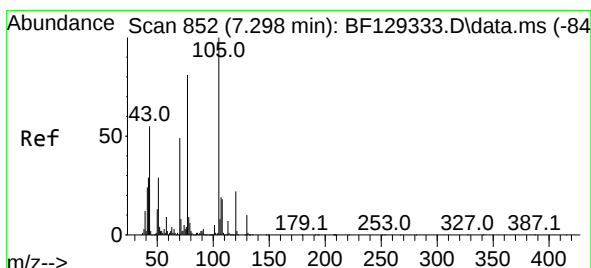
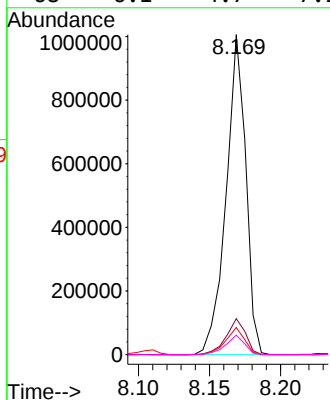
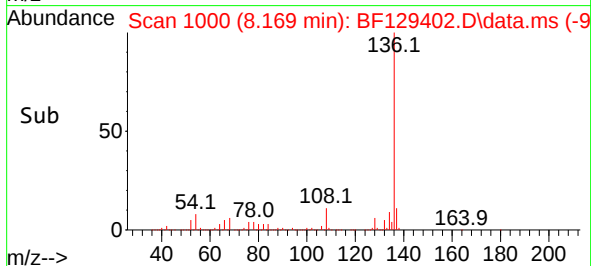


Tgt Ion:136 Resp: 966283  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.8 13.2  
54 8.5 7.5 11.3  
68 6.1 4.7 7.1

Manual Integrations

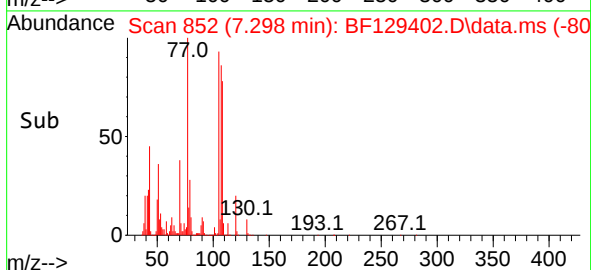
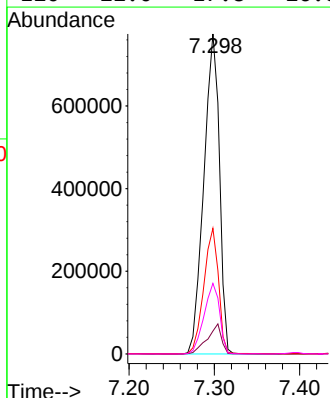
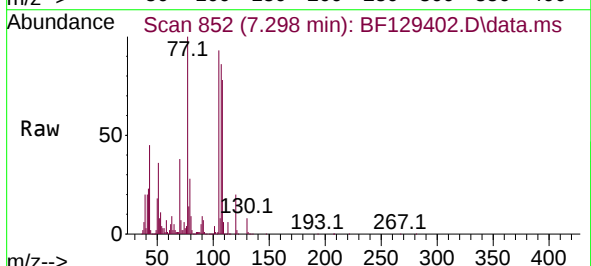
APPROVED

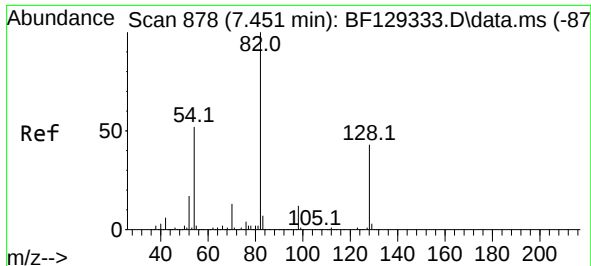
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022



#22  
Acetophenone  
Concen: 43.690 ng  
RT: 7.298 min Scan# 852  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

Tgt Ion:105 Resp: 982886  
Ion Ratio Lower Upper  
105 100  
71 7.1 5.0 7.4  
51 39.2 25.0 37.4#  
120 22.0 17.8 26.8





#23

Nitrobenzene-d5

Concen: 86.120 ng

RT: 7.457 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF129402.D

Acq: 28 Jul 2022 11:24

Instrument :

BNA\_F

ClientSampleId :

PB146497BSD

Tgt Ion: 82 Resp: 1524425

Ion Ratio Lower Upper

82 100

128 44.8 34.0 51.0

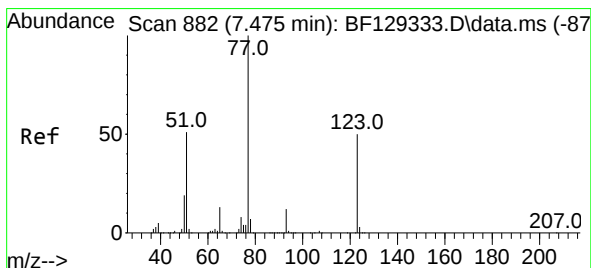
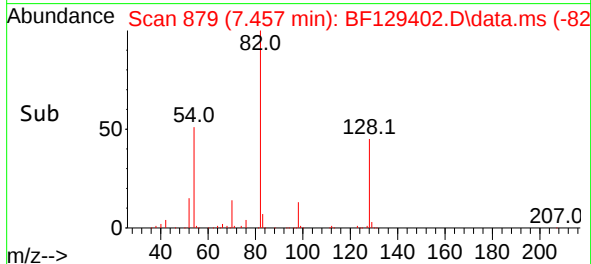
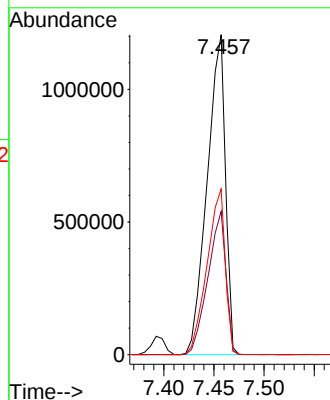
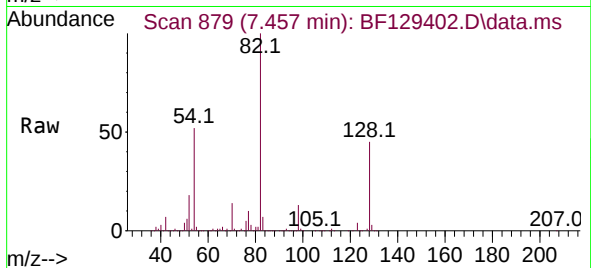
54 51.7 46.9 70.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/29/2022

Supervised By :Jagrut Upadhyay 07/29/2022



#24

Nitrobenzene

Concen: 43.110 ng

RT: 7.475 min Scan# 882

Delta R.T. 0.000 min

Lab File: BF129402.D

Acq: 28 Jul 2022 11:24

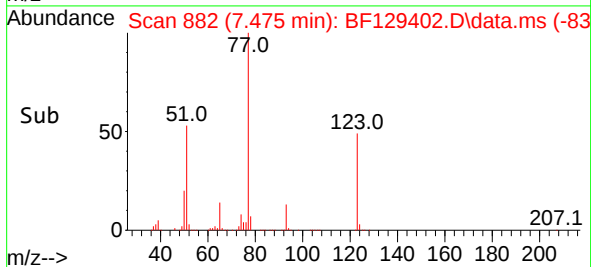
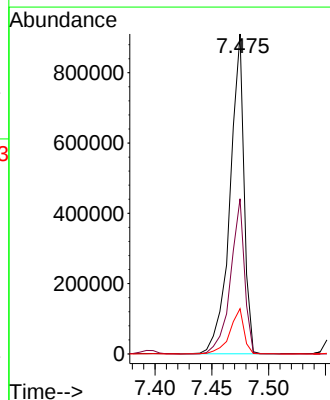
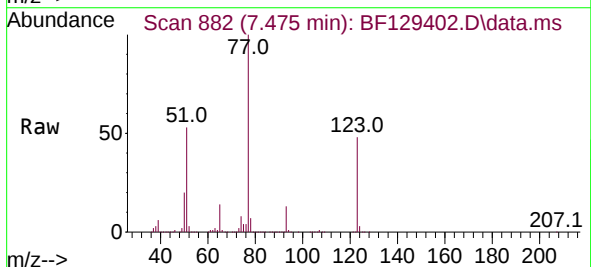
Tgt Ion: 77 Resp: 785802

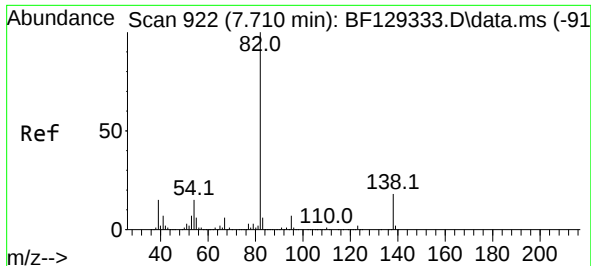
Ion Ratio Lower Upper

77 100

123 48.5 35.4 53.2

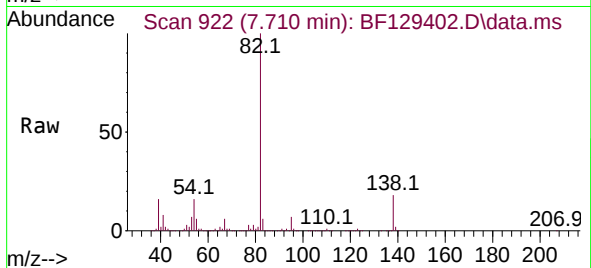
65 14.1 11.8 17.8





#25  
Isophorone  
Concen: 45.126 ng  
RT: 7.710 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

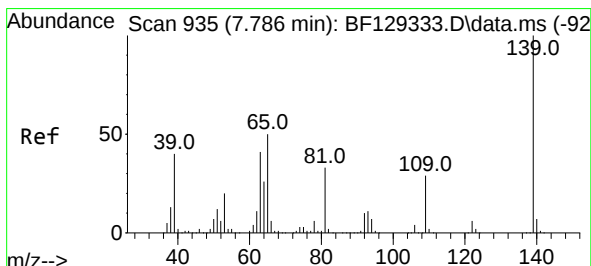
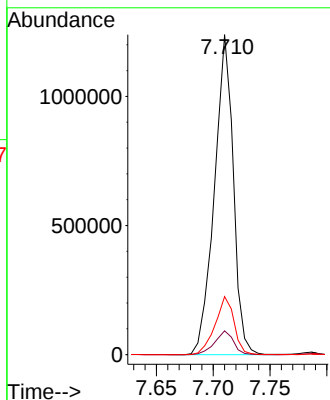
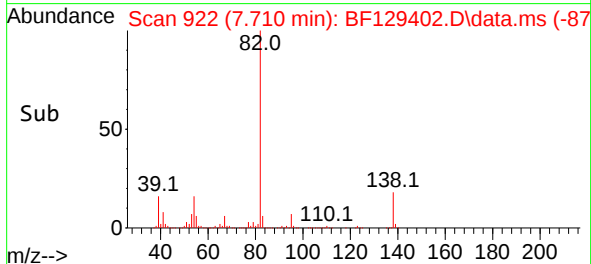
Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD



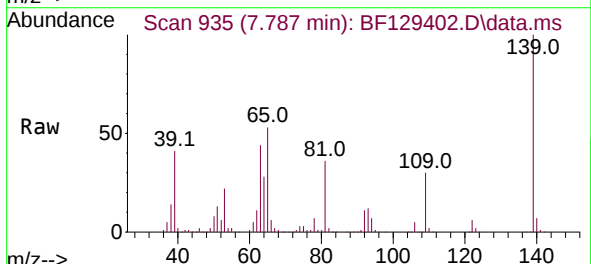
Tgt Ion: 82 Resp: 1431828  
Ion Ratio Lower Upper  
82 100  
95 7.4 5.7 8.5  
138 18.1 14.2 21.2

Manual Integrations  
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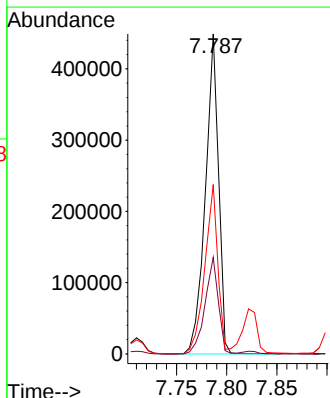
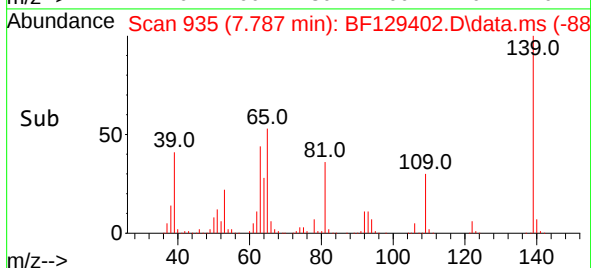
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022

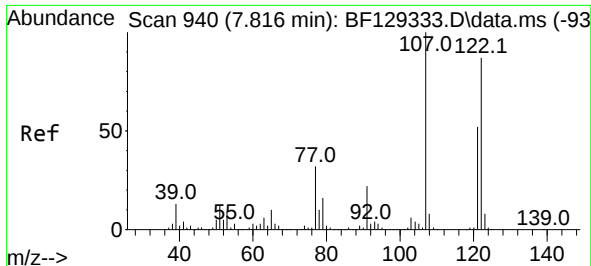


#26  
2-Nitrophenol  
Concen: 45.492 ng  
RT: 7.787 min Scan# 935  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24



Tgt Ion:139 Resp: 409085  
Ion Ratio Lower Upper  
139 100  
109 30.2 25.0 37.4  
65 52.9 45.1 67.7





#27

2,4-Dimethylphenol

Concen: 51.609 ng m

RT: 7.828 min Scan# 94

Delta R.T. 0.012 min

Lab File: BF129402.D

Acq: 28 Jul 2022 11:24

Instrument :

BNA\_F

ClientSampleId :

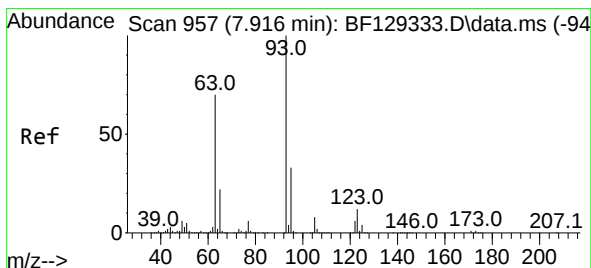
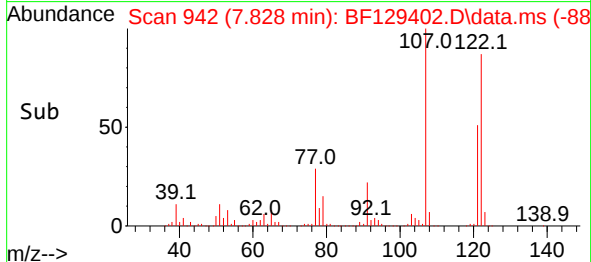
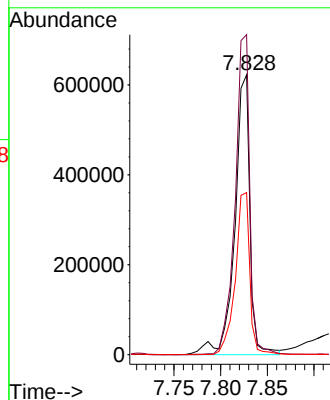
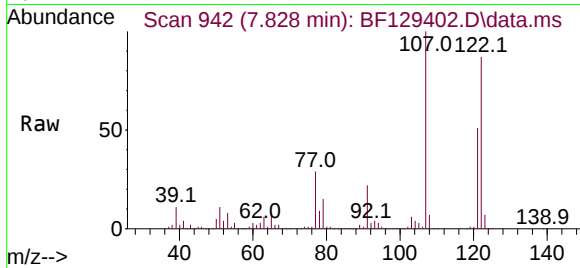
PB146497BSD

Tgt Ion:122 Resp: 696140  
 Ion Ratio Lower Upper  
 122 100  
 107 114.4 93.0 139.6  
 121 57.9 46.6 70.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/29/2022  
 Supervised By :Jagrut Upadhyay 07/29/2022



#28

bis(2-Chloroethoxy)methane

Concen: 46.965 ng

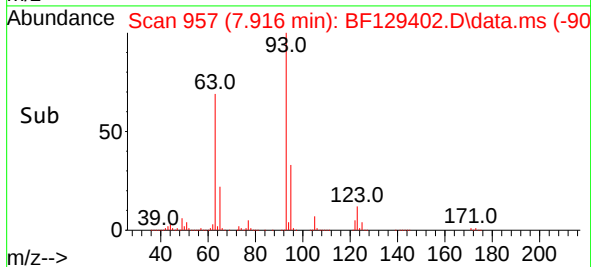
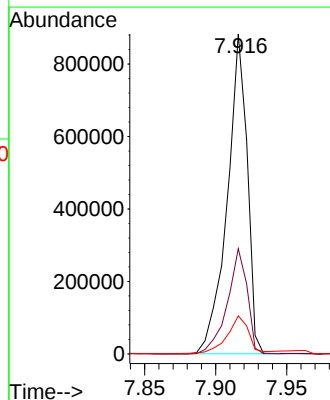
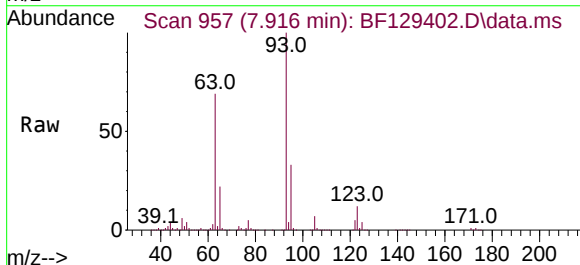
RT: 7.916 min Scan# 957

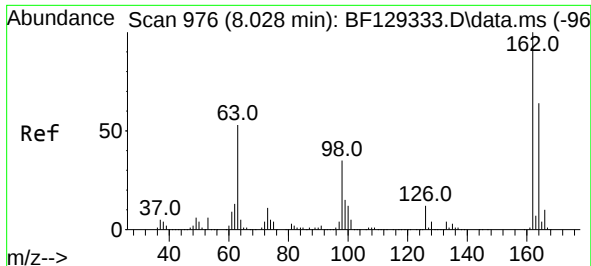
Delta R.T. 0.000 min

Lab File: BF129402.D

Acq: 28 Jul 2022 11:24

Tgt Ion: 93 Resp: 864453  
 Ion Ratio Lower Upper  
 93 100  
 95 32.9 26.8 40.2  
 123 11.9 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 43.525 ng

RT: 8.028 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF129402.D

Acq: 28 Jul 2022 11:24

Instrument :

BNA\_F

ClientSampleId :

PB146497BSD

Tgt Ion:162 Resp: 605960

Ion Ratio Lower Upper

162 100

164 62.1 44.2 84.2

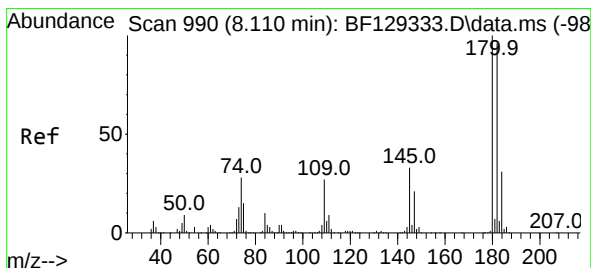
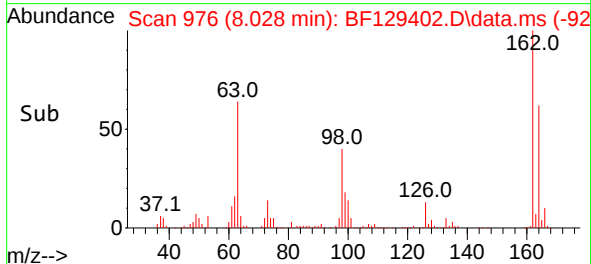
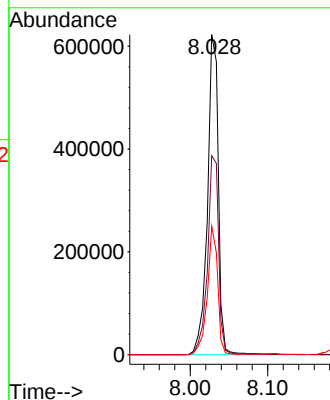
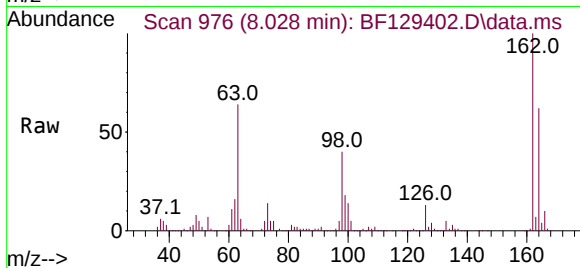
98 40.1 19.6 59.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/29/2022

Supervised By :Jagrut Upadhyay 07/29/2022



#30

1,2,4-Trichlorobenzene

Concen: 43.741 ng

RT: 8.110 min Scan# 990

Delta R.T. 0.000 min

Lab File: BF129402.D

Acq: 28 Jul 2022 11:24

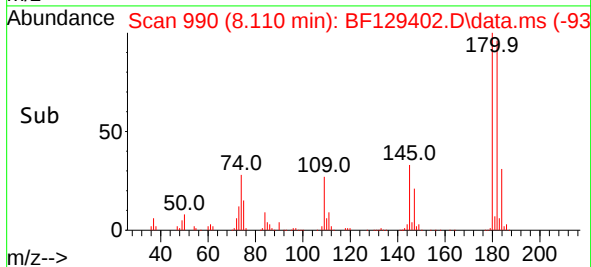
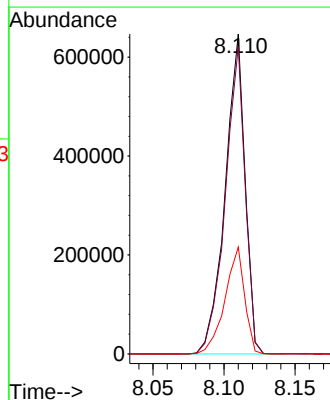
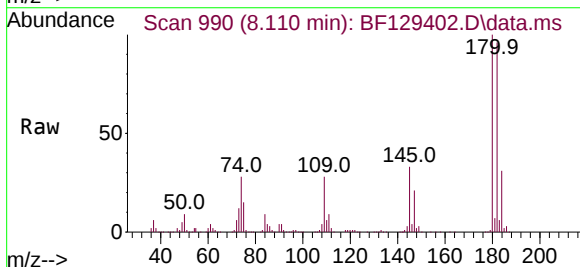
Tgt Ion:180 Resp: 630330

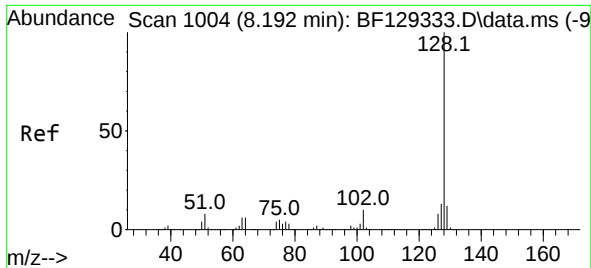
Ion Ratio Lower Upper

180 100

182 96.0 79.2 118.8

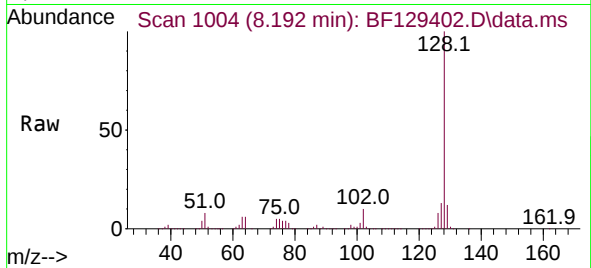
145 33.4 26.2 39.2





#31  
Naphthalene  
Concen: 42.004 ng  
RT: 8.192 min Scan# 1004  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

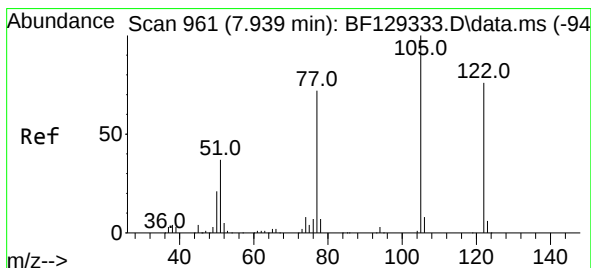
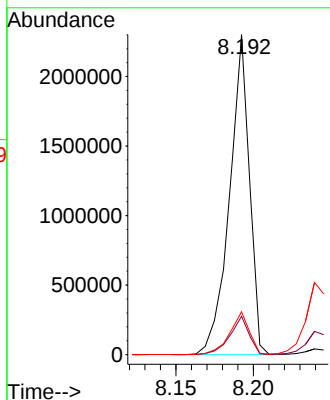
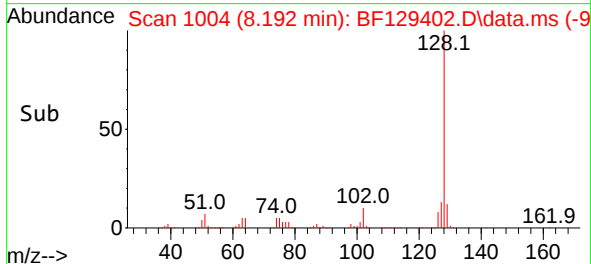
Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD



Tgt Ion:128 Resp: 2062095  
Ion Ratio Lower Upper  
128 100  
129 12.0 9.2 13.8  
127 13.4 10.5 15.7

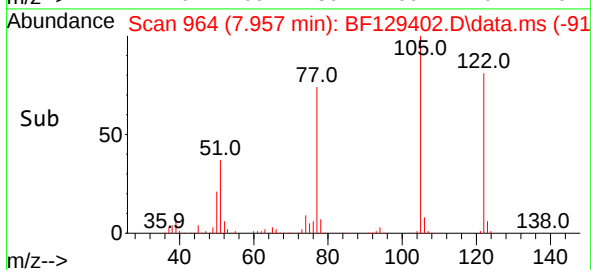
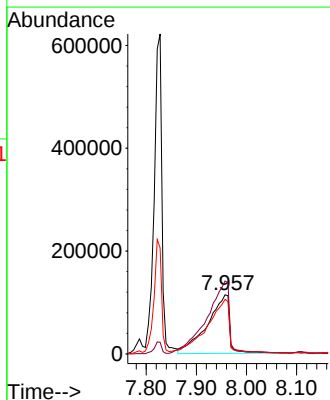
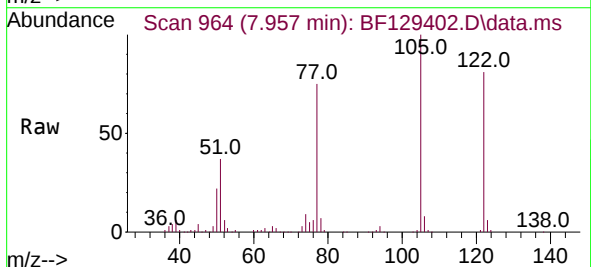
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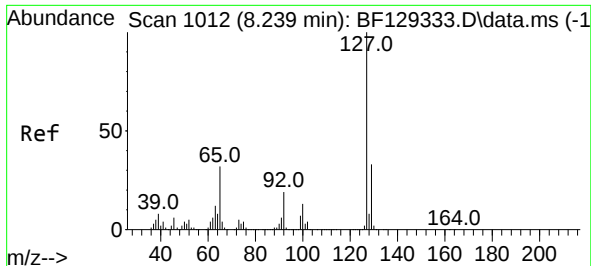
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022



#32  
Benzoic acid  
Concen: 36.042 ng  
RT: 7.957 min Scan# 964  
Delta R.T. 0.018 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

Tgt Ion:122 Resp: 351457  
Ion Ratio Lower Upper  
122 100  
105 123.3 107.1 147.1  
77 92.2 74.2 114.2





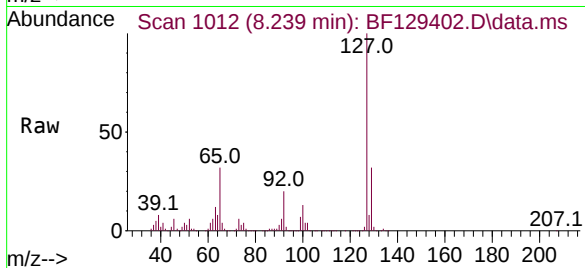
#33  
4-Chloroaniline  
Concen: 28.346 ng  
RT: 8.239 min Scan# 1012  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

Instrument :

BNA\_F

ClientSampleId :

PB146497BSD

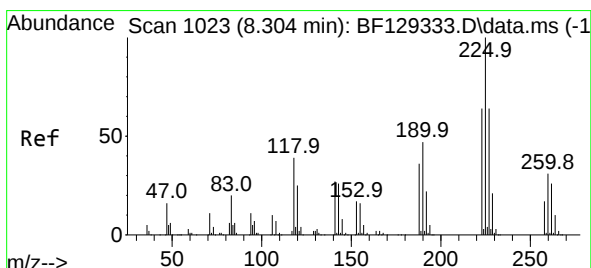
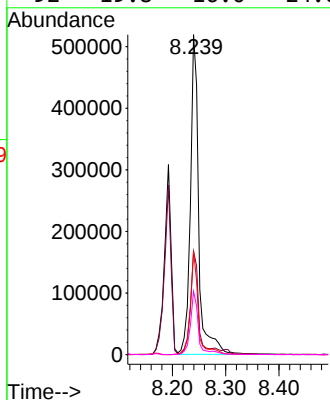
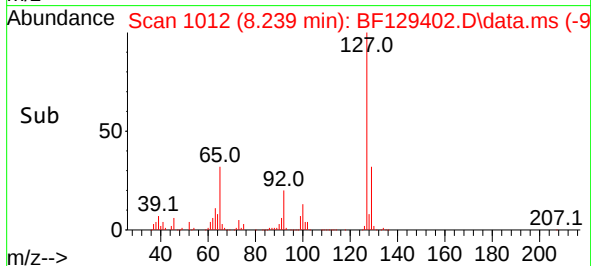


Tgt Ion:127 Resp: 57132  
Ion Ratio Lower Upper  
127 100  
129 32.3 26.4 39.6  
65 32.5 26.4 39.6  
92 19.8 16.0 24.0

Manual Integrations

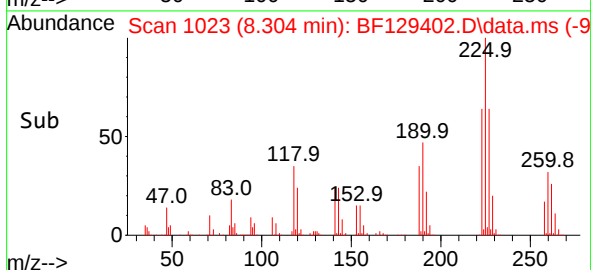
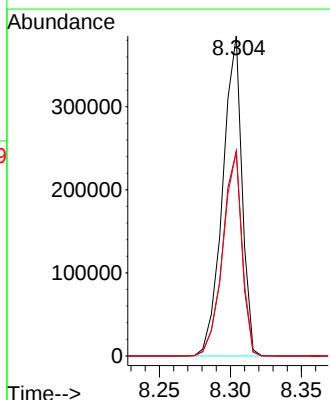
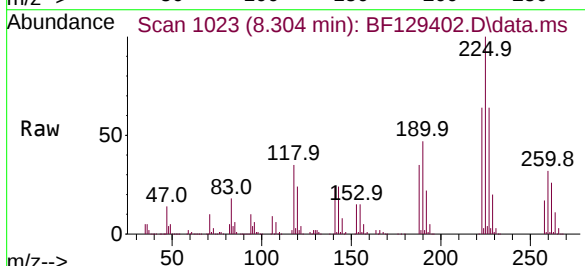
APPROVED

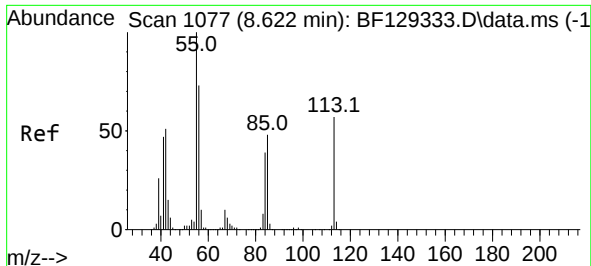
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022



#34  
Hexachlorobutadiene  
Concen: 44.626 ng  
RT: 8.304 min Scan# 1023  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

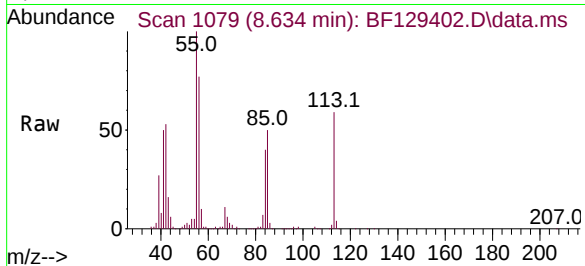
Tgt Ion:225 Resp: 365553  
Ion Ratio Lower Upper  
225 100  
223 63.9 51.0 76.6  
227 63.9 51.1 76.7





#35  
Caprolactam  
Concen: 43.610 ng m  
RT: 8.634 min Scan# 1077  
Delta R.T. 0.012 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

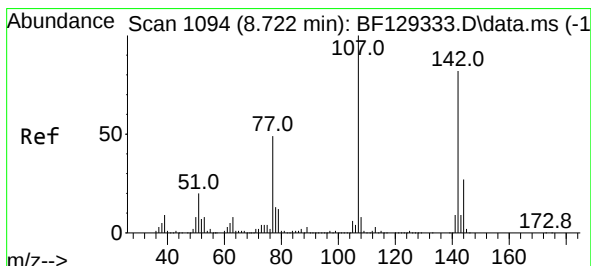
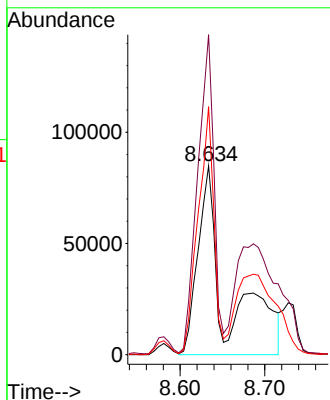
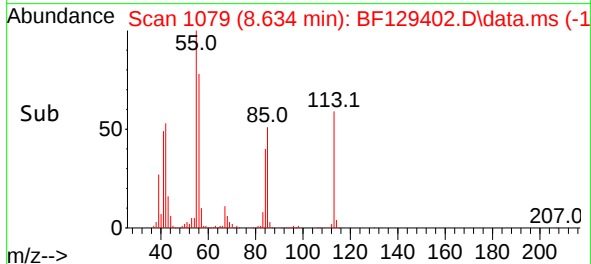
Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD



Tgt Ion:113 Resp: 197393  
Ion Ratio Lower Upper  
113 100  
55 169.5 188.5 228.5  
56 131.4 130.6 170.6

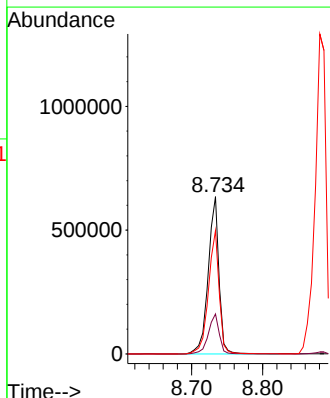
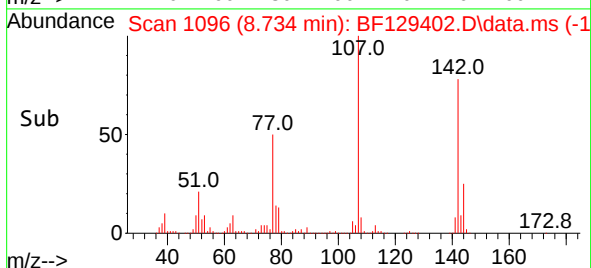
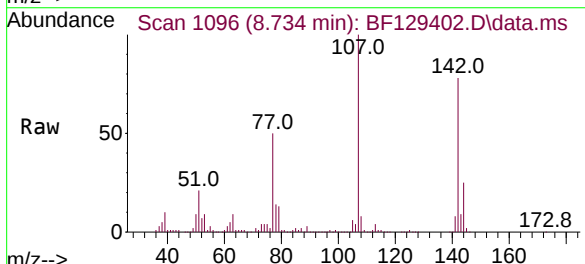
Manual Integrations  
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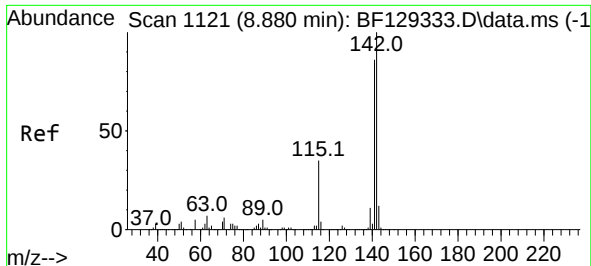
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022



#36  
4-Chloro-3-methylphenol  
Concen: 45.028 ng  
RT: 8.734 min Scan# 1096  
Delta R.T. 0.012 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

Tgt Ion:107 Resp: 664885  
Ion Ratio Lower Upper  
107 100  
144 25.4 19.5 29.3  
142 78.5 58.2 87.4





#37

2-Methylnaphthalene

Concen: 42.829 ng

RT: 8.881 min Scan# 1121

Delta R.T. 0.000 min

Lab File: BF129402.D

Acq: 28 Jul 2022 11:24

Instrument :

BNA\_F

ClientSampleId :

PB146497BSD

Tgt Ion:142 Resp: 1366386

Ion Ratio Lower Upper

142 100

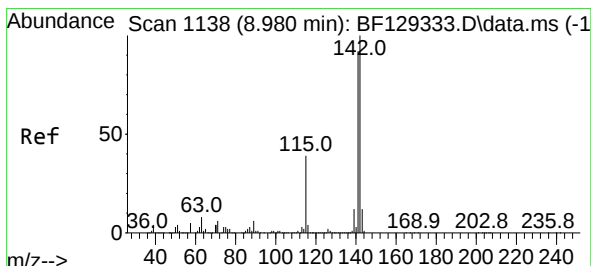
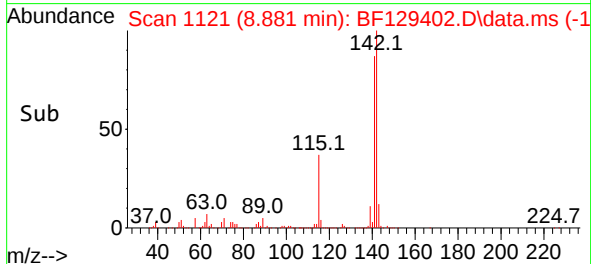
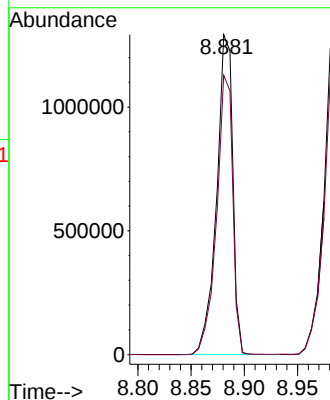
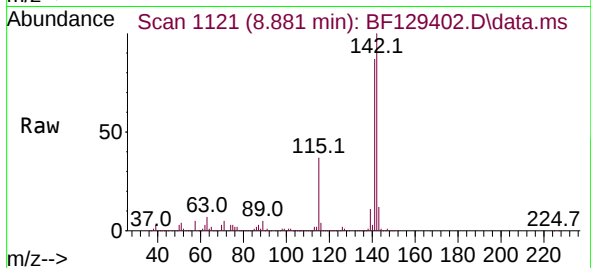
141 87.3 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/29/2022

Supervised By :Jagrut Upadhyay 07/29/2022



#38

1-Methylnaphthalene

Concen: 41.603 ng

RT: 8.981 min Scan# 1138

Delta R.T. 0.000 min

Lab File: BF129402.D

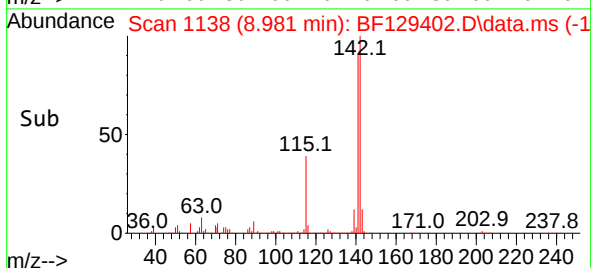
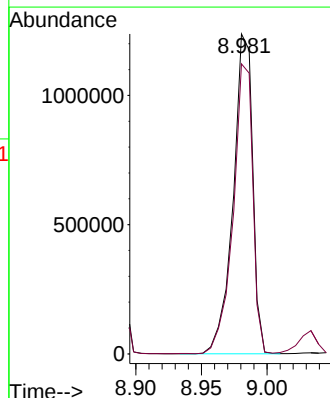
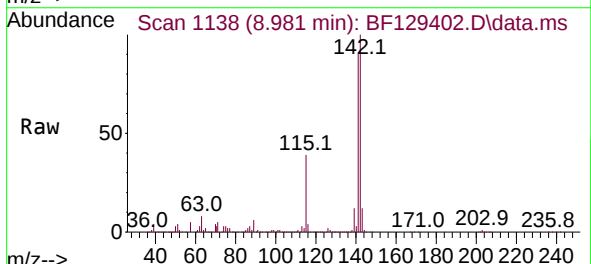
Acq: 28 Jul 2022 11:24

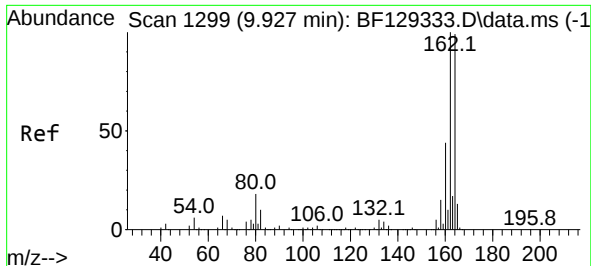
Tgt Ion:142 Resp: 1281289

Ion Ratio Lower Upper

142 100

141 90.6 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF129402.D

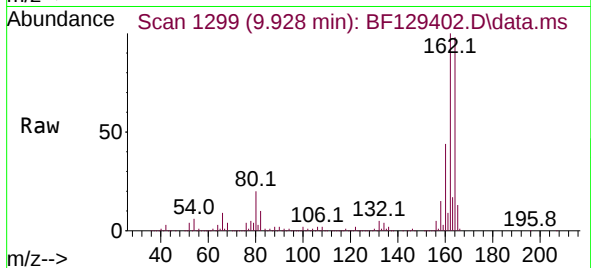
Acq: 28 Jul 2022 11:24

Instrument :

BNA\_F

ClientSampleId :

PB146497BSD



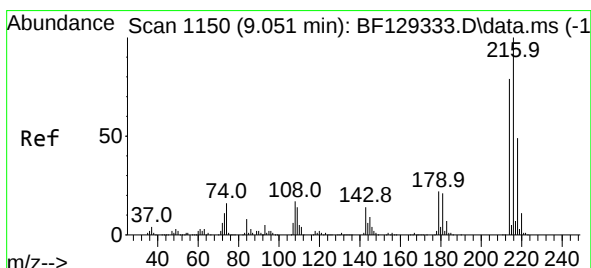
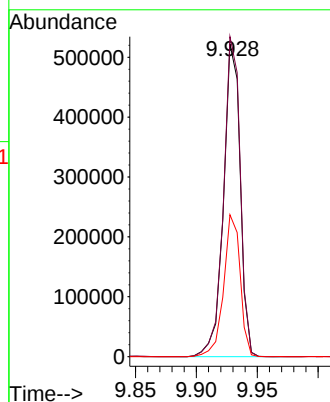
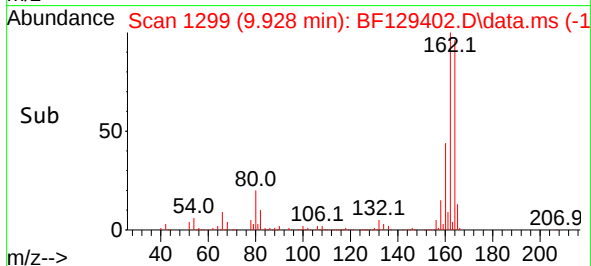
Tgt Ion:164 Resp: 49940

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 102.4 | 79.5  | 119.3 |
| 160 | 45.4  | 34.2  | 51.4  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022



#40

1,2,4,5-Tetrachlorobenzene

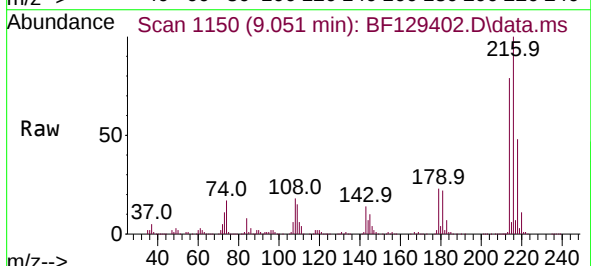
Concen: 44.666 ng

RT: 9.051 min Scan# 1150

Delta R.T. 0.000 min

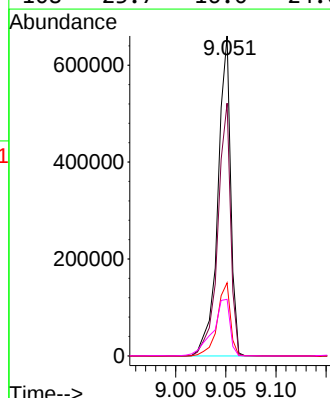
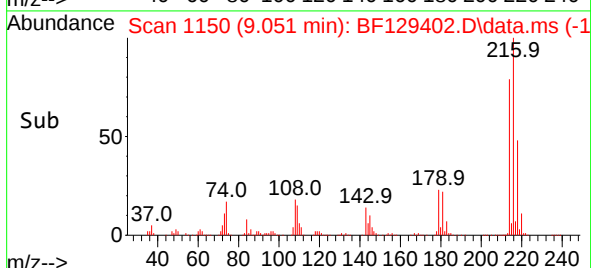
Lab File: BF129402.D

Acq: 28 Jul 2022 11:24



Tgt Ion:216 Resp: 585713

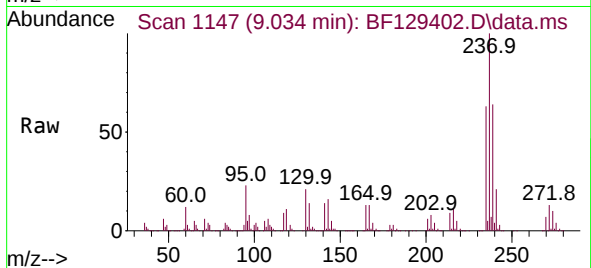
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 216 | 100   |       |       |
| 214 | 78.9  | 63.6  | 95.4  |
| 179 | 23.2  | 17.0  | 25.6  |
| 108 | 23.7  | 16.0  | 24.0  |





#41  
Hexachlorocyclopentadiene  
Concen: 106.975 ng  
RT: 9.034 min Scan# 1147  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

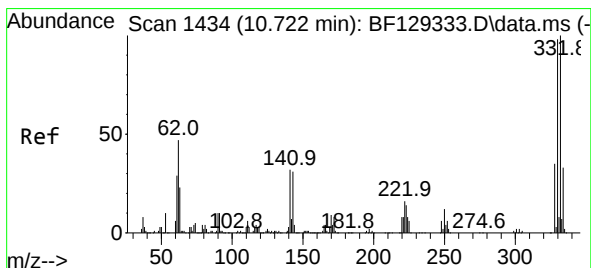
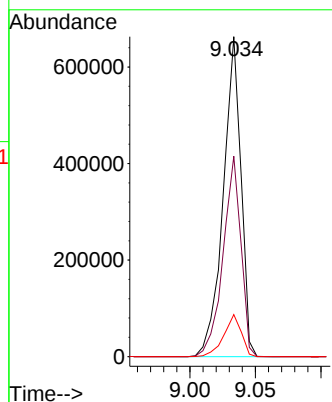
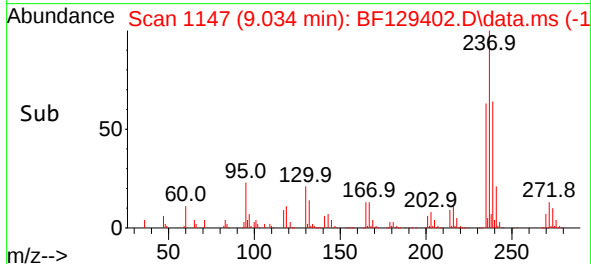
Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD



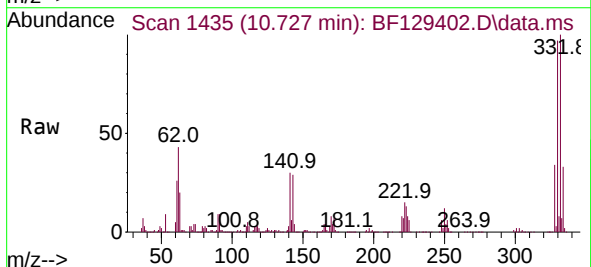
Tgt Ion:237 Resp: 624647  
Ion Ratio Lower Upper  
237 100  
235 62.6 43.2 83.2  
272 13.1 0.0 31.9

Manual Integrations  
APPROVED

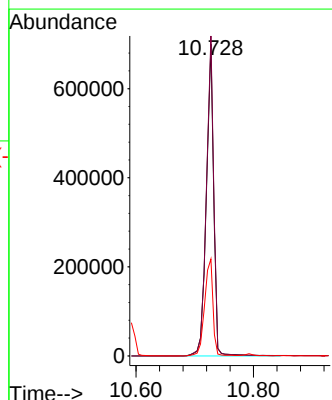
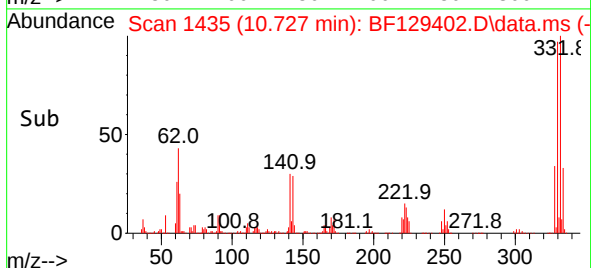
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022

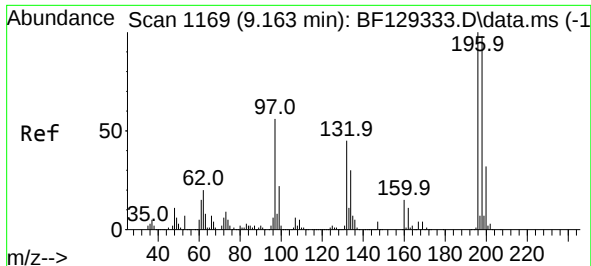


#42  
2,4,6-Tribromophenol  
Concen: 127.247 ng  
RT: 10.727 min Scan# 1435  
Delta R.T. 0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24



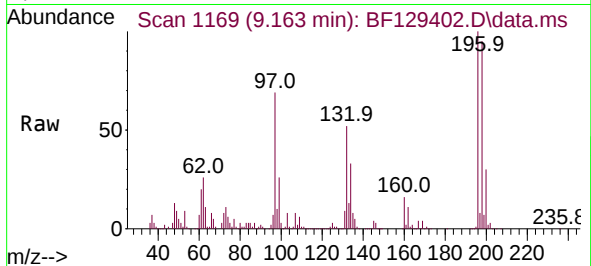
Tgt Ion:330 Resp: 610961  
Ion Ratio Lower Upper  
330 100  
332 102.8 76.8 115.2  
141 35.2 28.0 42.0





#43  
2,4,6-Trichlorophenol  
Concen: 43.257 ng  
RT: 9.163 min Scan# 1169  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

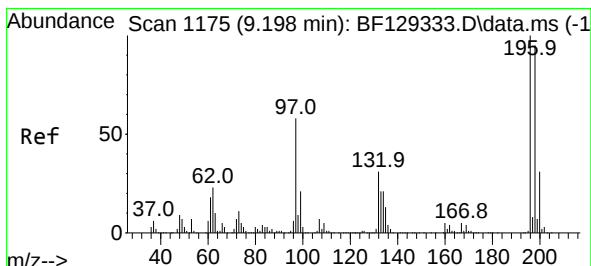
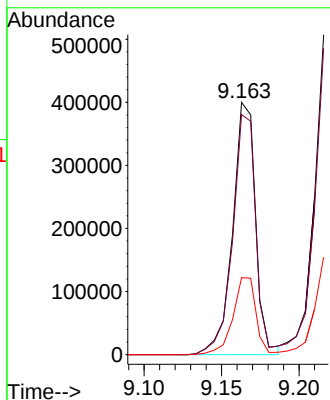
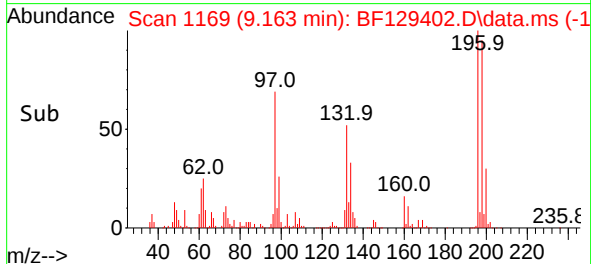
Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD



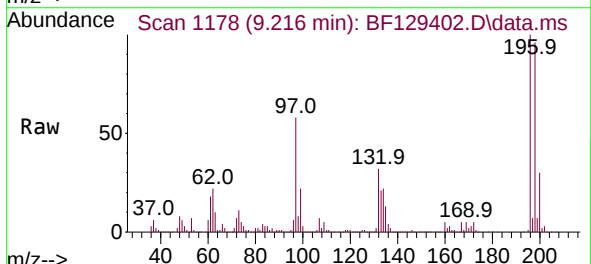
Tgt Ion:196 Resp: 411992  
Ion Ratio Lower Upper  
196 100  
198 95.2 74.0 111.0  
200 30.5 24.1 36.1

Manual Integrations  
APPROVED

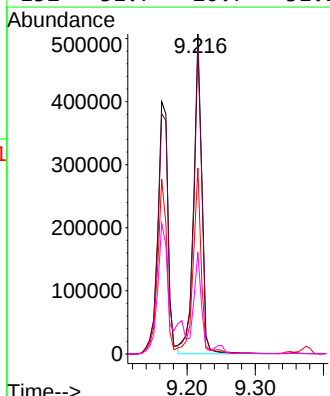
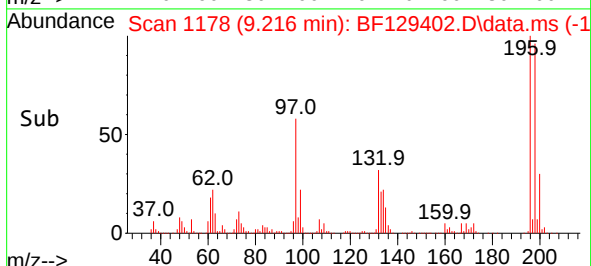
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022

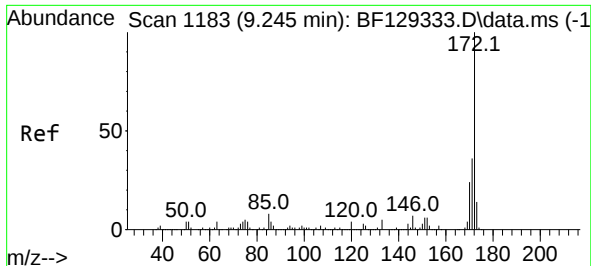


#44  
2,4,5-Trichlorophenol  
Concen: 41.110 ng  
RT: 9.216 min Scan# 1178  
Delta R.T. 0.018 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24



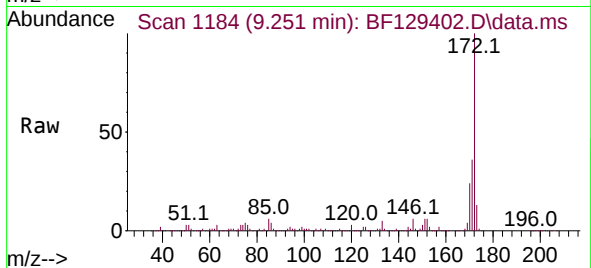
Tgt Ion:196 Resp: 425794  
Ion Ratio Lower Upper  
196 100  
198 95.8 75.7 113.5  
97 58.0 36.4 54.6#  
132 31.7 20.7 31.1#





#45  
2-Fluorobiphenyl  
Concen: 78.325 ng  
RT: 9.251 min Scan# 1183  
Delta R.T. 0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

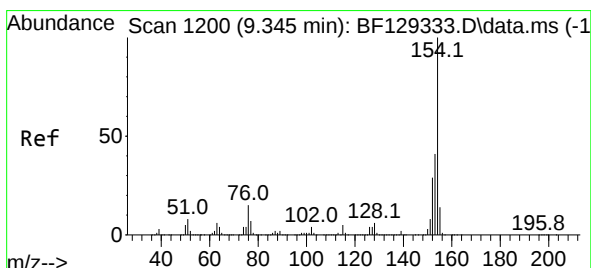
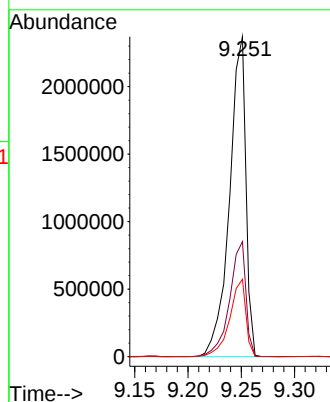
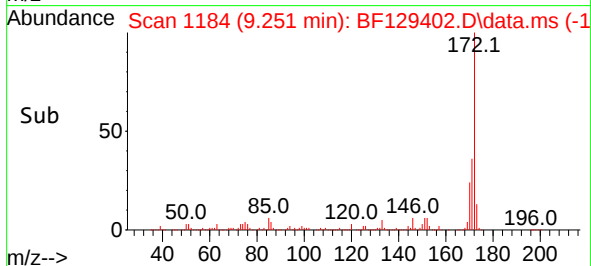
Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD



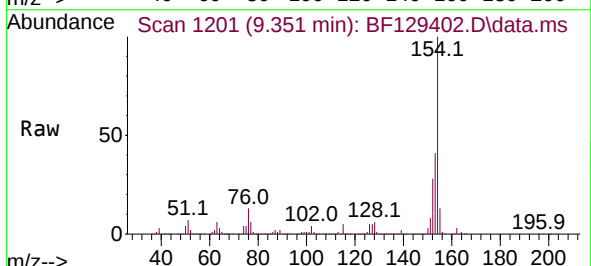
Tgt Ion:172 Resp: 2528560  
Ion Ratio Lower Upper  
172 100  
171 35.9 28.8 43.2  
170 24.2 19.8 29.8

Manual Integrations  
APPROVED

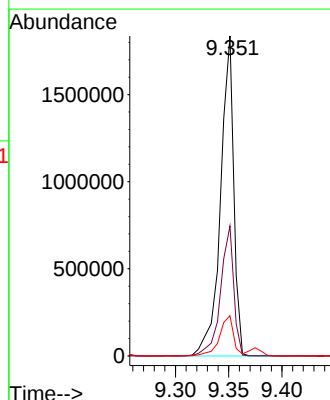
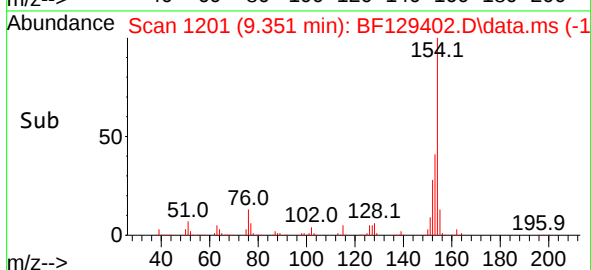
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022

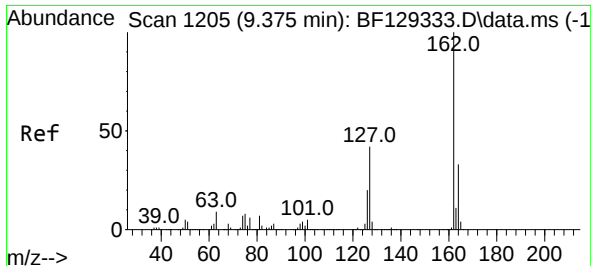


#46  
1,1'-Biphenyl  
Concen: 43.644 ng  
RT: 9.351 min Scan# 1201  
Delta R.T. 0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24



Tgt Ion:154 Resp: 1590655  
Ion Ratio Lower Upper  
154 100  
153 40.6 20.6 60.6  
76 12.6 0.0 33.3





#47

2-Chloronaphthalene

Concen: 42.645 ng

RT: 9.375 min Scan# 1205

Delta R.T. 0.000 min

Lab File: BF129402.D

Acq: 28 Jul 2022 11:24

Instrument :

BNA\_F

ClientSampleId :

PB146497BSD

Tgt Ion:162 Resp: 125645

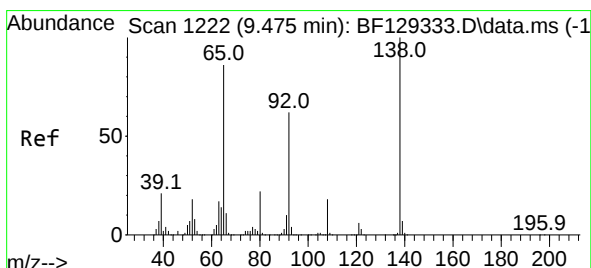
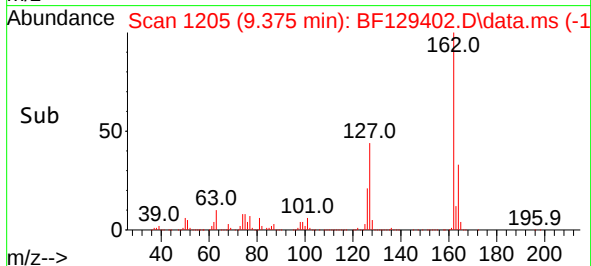
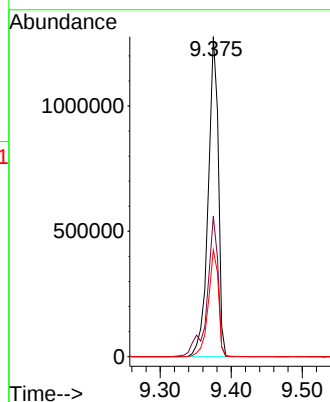
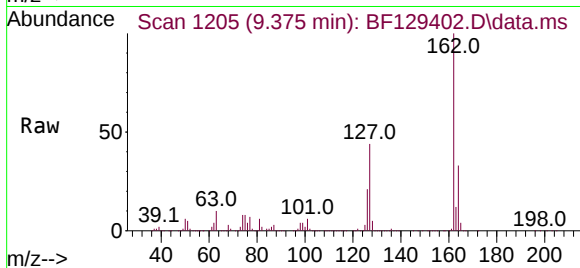
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 127 | 43.9  | 34.5  | 51.7  |
| 164 | 33.3  | 26.5  | 39.7  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/29/2022

Supervised By :Jagrut Upadhyay 07/29/2022



#48

2-Nitroaniline

Concen: 43.273 ng

RT: 9.481 min Scan# 1223

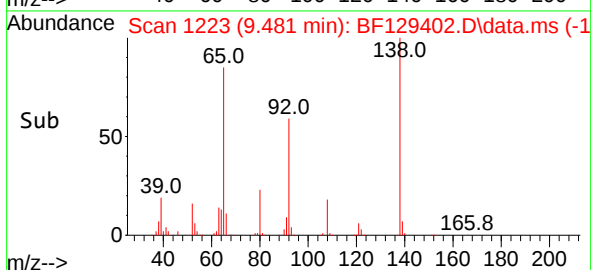
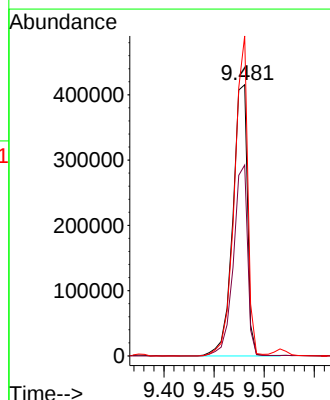
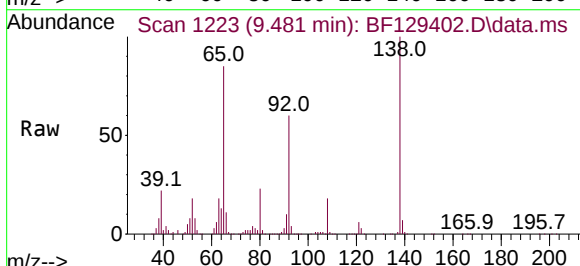
Delta R.T. 0.006 min

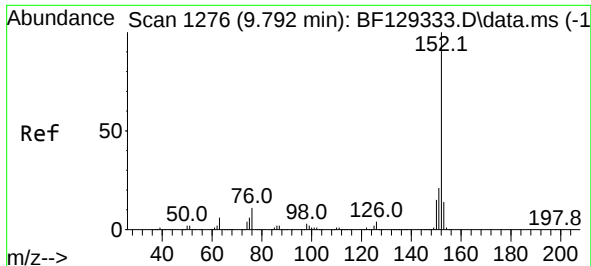
Lab File: BF129402.D

Acq: 28 Jul 2022 11:24

Tgt Ion: 65 Resp: 423957

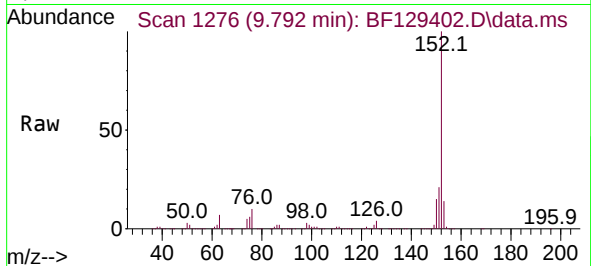
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 92  | 70.4  | 51.9  | 77.9  |
| 138 | 118.1 | 76.4  | 114.6 |





#49  
Acenaphthylene  
Concen: 44.228 ng  
RT: 9.792 min Scan# 1276  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

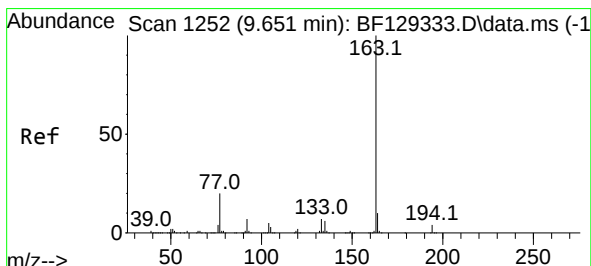
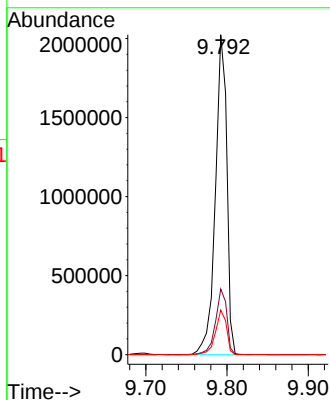
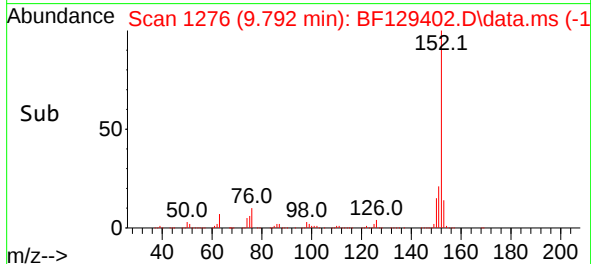
Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD



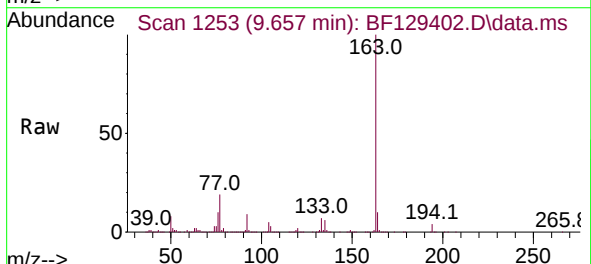
Tgt Ion:152 Resp: 1980037  
Ion Ratio Lower Upper  
152 100  
151 20.5 16.2 24.4  
153 13.9 10.7 16.1

Manual Integrations  
APPROVED

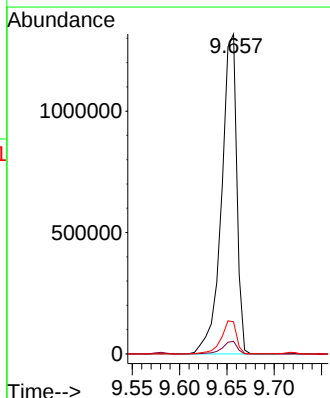
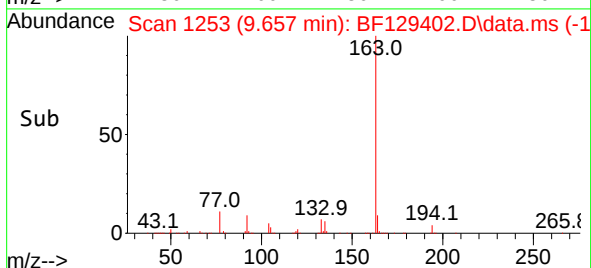
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022

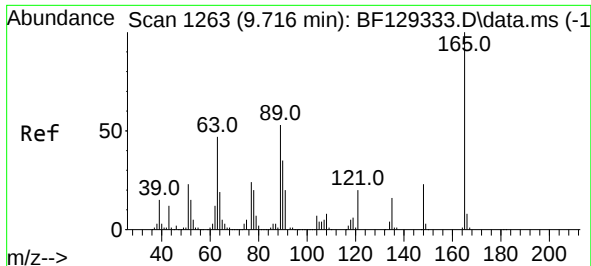


#50  
Dimethylphthalate  
Concen: 42.598 ng  
RT: 9.657 min Scan# 1253  
Delta R.T. 0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24



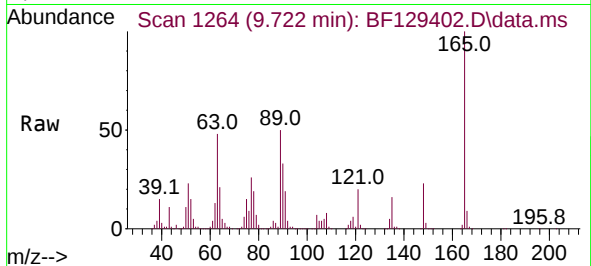
Tgt Ion:163 Resp: 1468588  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.2 4.8  
164 10.0 8.2 12.2





#51  
2,6-Dinitrotoluene  
Concen: 44.110 ng  
RT: 9.722 min Scan# 1264  
Delta R.T. 0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

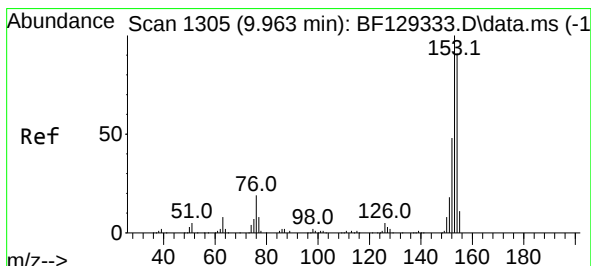
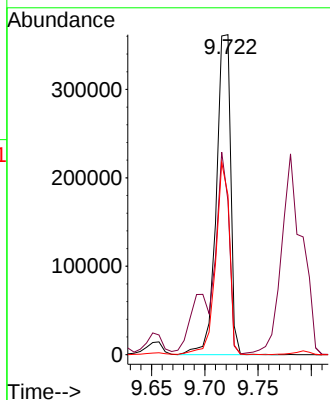
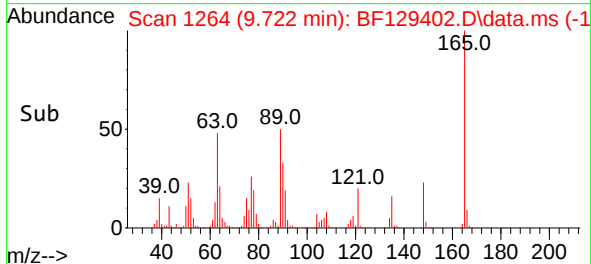
Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD



Tgt Ion:165 Resp: 340364  
Ion Ratio Lower Upper  
165 100  
63 48.0 44.9 67.3  
89 49.8 43.6 65.4

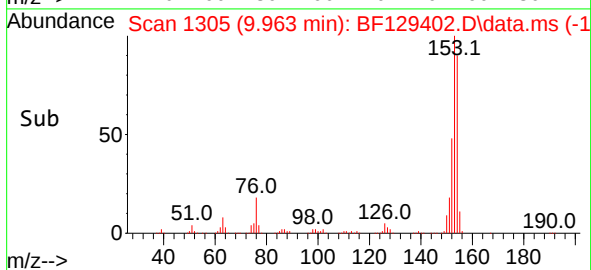
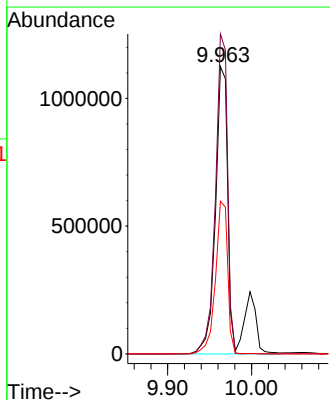
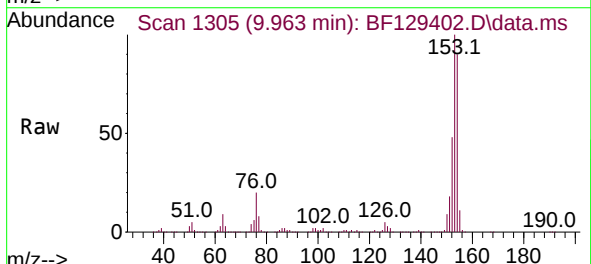
Manual Integrations  
APPROVED

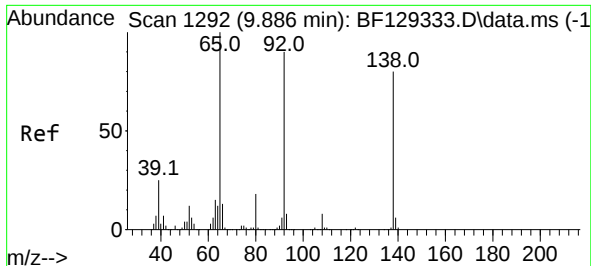
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022



#52  
Acenaphthene  
Concen: 46.646 ng m  
RT: 9.963 min Scan# 1305  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

Tgt Ion:154 Resp: 1363970  
Ion Ratio Lower Upper  
154 100  
153 111.4 89.6 134.4  
152 53.1 42.4 63.6





#53  
3-Nitroaniline  
Concen: 31.364 ng  
RT: 9.892 min Scan# 1292  
Delta R.T. 0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

Instrument :

BNA\_F

ClientSampleId :

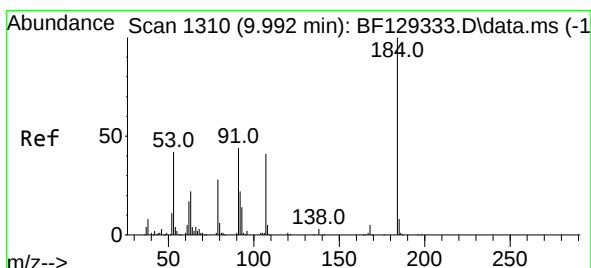
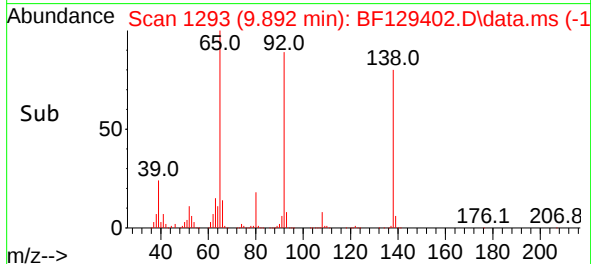
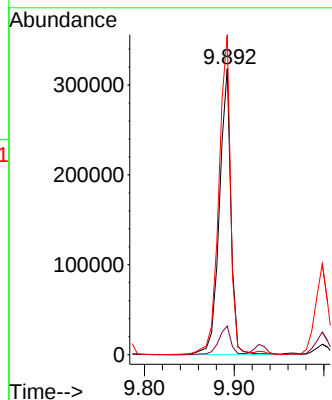
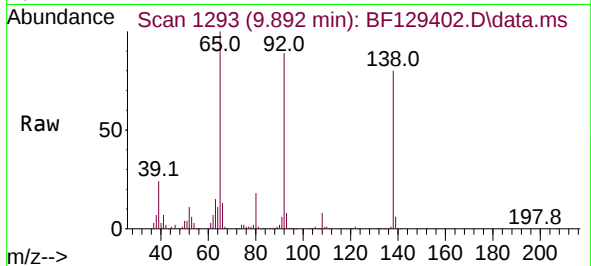
PB146497BSD

Tgt Ion:138 Resp: 285779  
Ion Ratio Lower Upper  
138 100  
108 10.0 10.9 16.3  
92 111.9 98.2 147.2

Manual Integrations

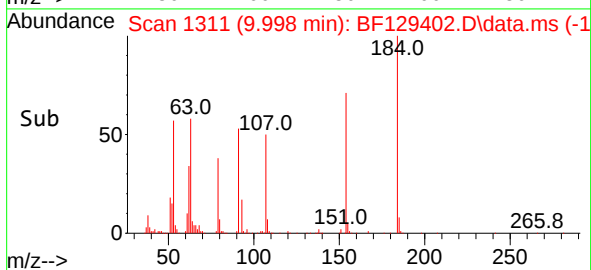
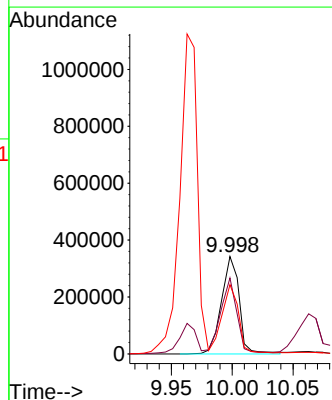
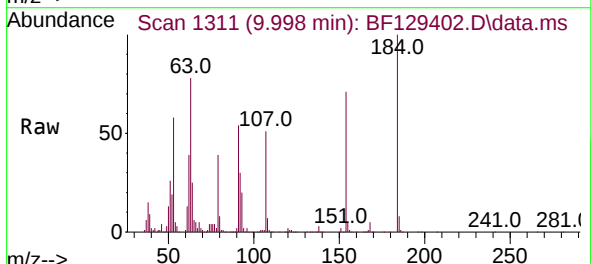
APPROVED

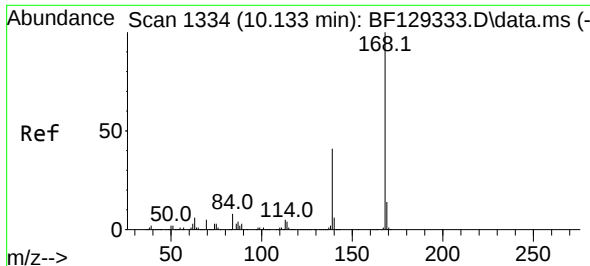
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022



#54  
2,4-Dinitrophenol  
Concen: 88.265 ng  
RT: 9.998 min Scan# 1311  
Delta R.T. 0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

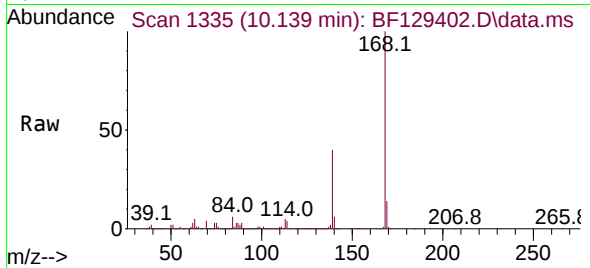
Tgt Ion:184 Resp: 347688  
Ion Ratio Lower Upper  
184 100  
63 77.9 64.5 96.7  
154 71.0 50.6 75.8





#55  
Dibenzofuran  
Concen: 42.397 ng  
RT: 10.139 min Scan# 1335  
Delta R.T. 0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

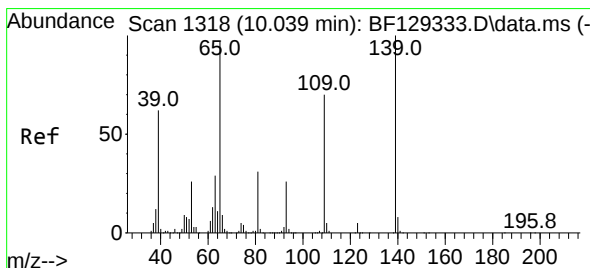
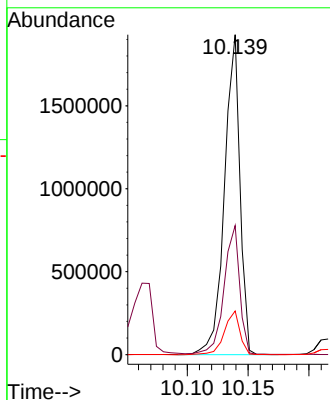
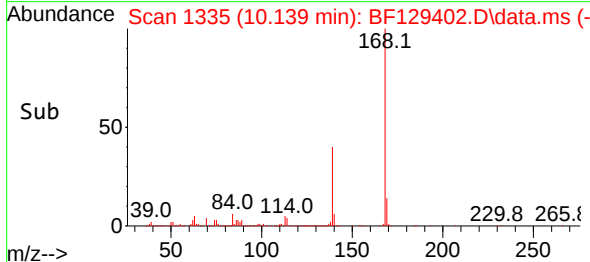
Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD



Tgt Ion:168 Resp: 1708972  
Ion Ratio Lower Upper  
168 100  
139 40.3 30.6 46.0  
169 13.6 11.0 16.6

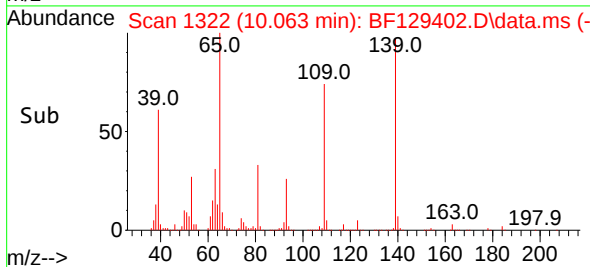
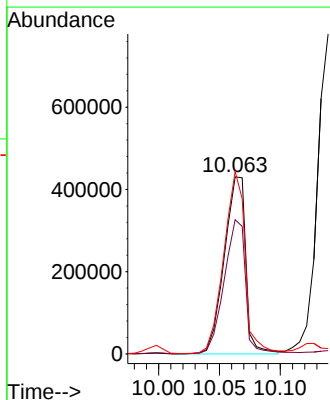
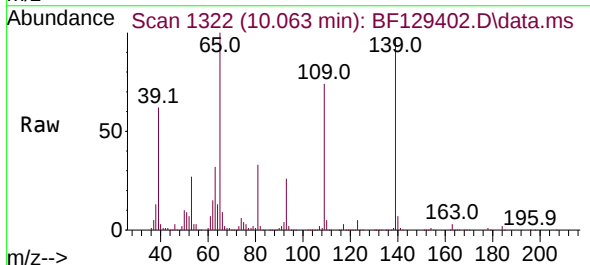
Manual Integrations  
APPROVED

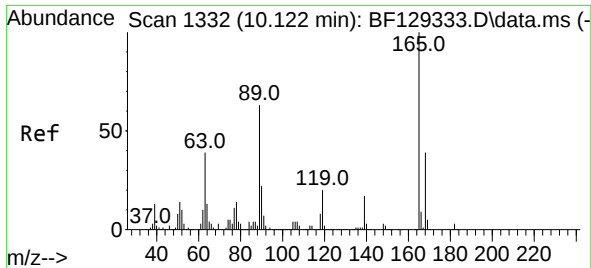
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022



#56  
4-Nitrophenol  
Concen: 78.914 ng  
RT: 10.063 min Scan# 1322  
Delta R.T. 0.024 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

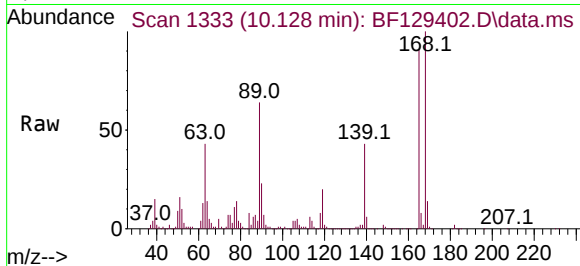
Tgt Ion:139 Resp: 530467  
Ion Ratio Lower Upper  
139 100  
109 75.8 50.7 90.7  
65 103.1 74.5 114.5





#57  
2,4-Dinitrotoluene  
Concen: 44.093 ng  
RT: 10.128 min Scan# 1332  
Delta R.T. 0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

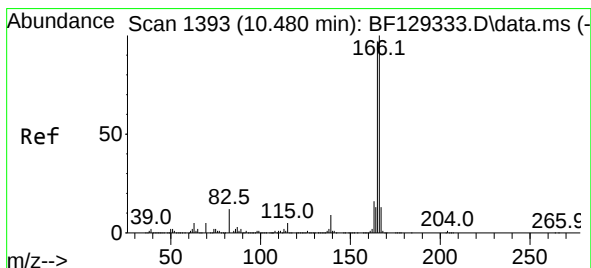
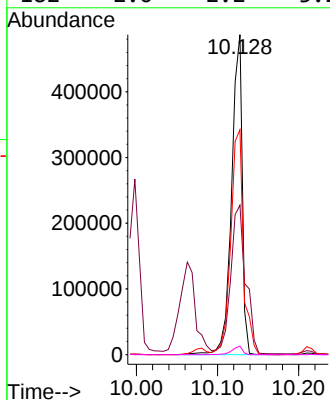
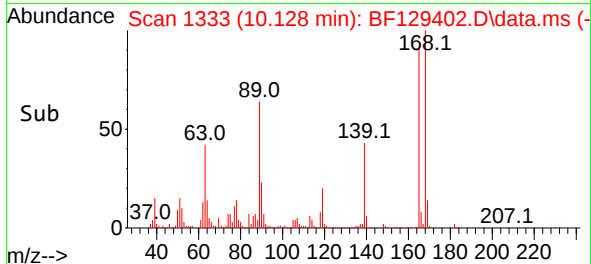
Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD



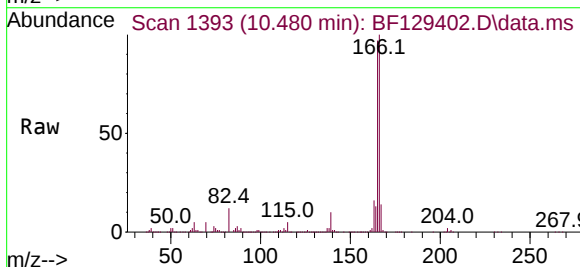
Tgt Ion:165 Resp: 444461  
Ion Ratio Lower Upper  
165 100  
63 46.7 39.8 59.6  
89 70.3 60.2 90.2  
182 2.6 2.2 3.2

Manual Integrations  
APPROVED

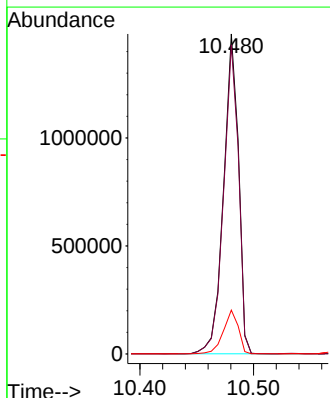
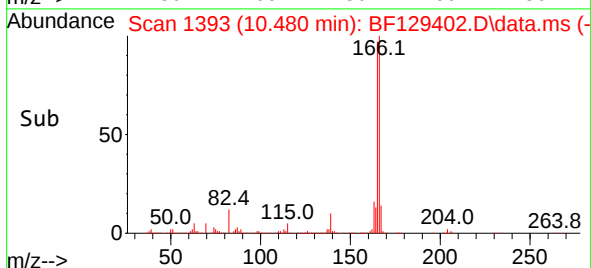
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022

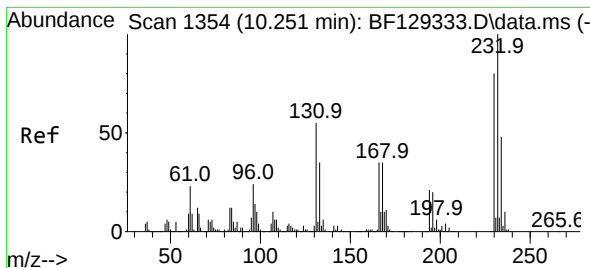


#58  
Fluorene  
Concen: 41.829 ng  
RT: 10.480 min Scan# 1393  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24



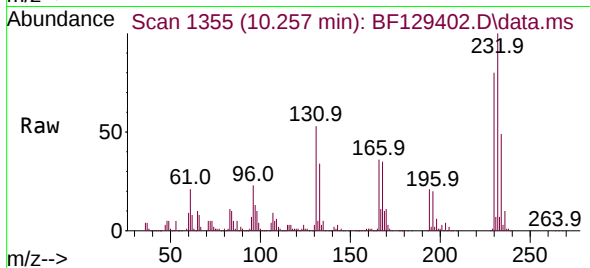
Tgt Ion:166 Resp: 1349066  
Ion Ratio Lower Upper  
166 100  
165 96.6 78.1 117.1  
167 13.7 10.5 15.7





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 41.026 ng  
RT: 10.257 min Scan# 1355  
Delta R.T. 0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

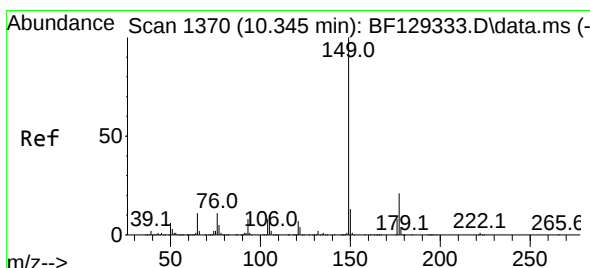
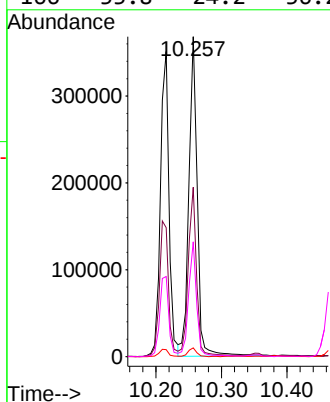
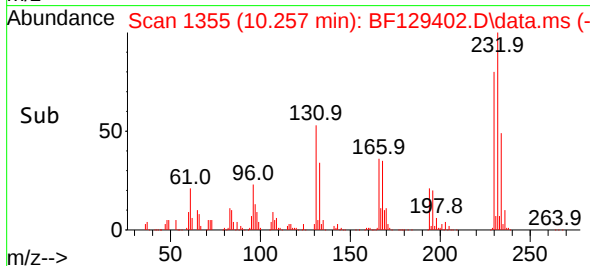
Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD



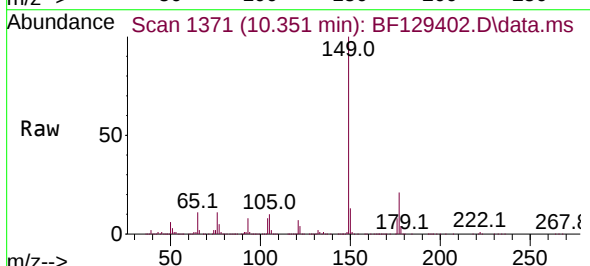
Tgt Ion:232 Resp: 328375  
Ion Ratio Lower Upper  
232 100  
131 51.1 36.1 54.1  
130 2.6 1.8 2.8  
166 33.8 24.2 36.2

Manual Integrations  
APPROVED

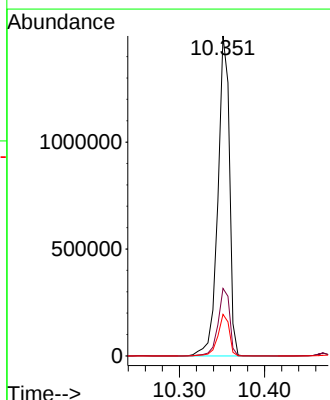
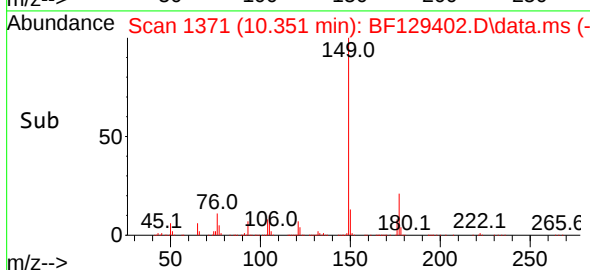
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022

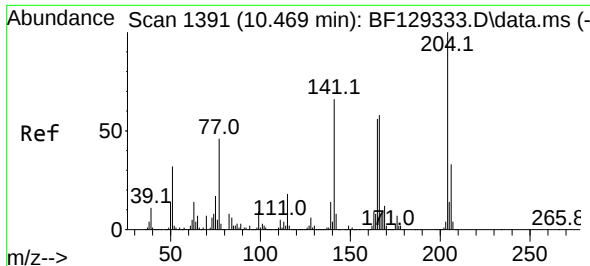


#60  
Diethylphthalate  
Concen: 42.320 ng  
RT: 10.351 min Scan# 1371  
Delta R.T. 0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24



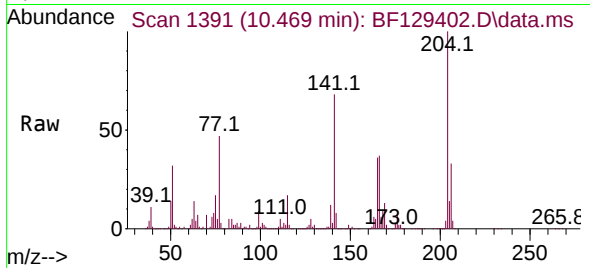
Tgt Ion:149 Resp: 1410389  
Ion Ratio Lower Upper  
149 100  
177 21.1 17.3 25.9  
150 13.0 10.2 15.2





#61  
4-Chlorophenyl-phenylether  
Concen: 42.931 ng  
RT: 10.469 min Scan# 1391  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

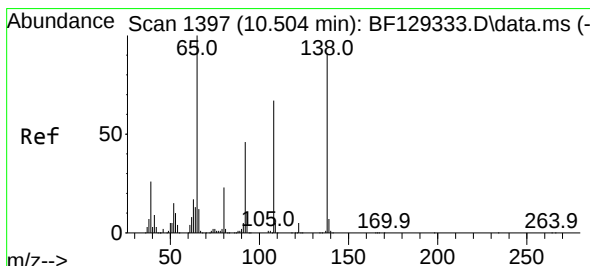
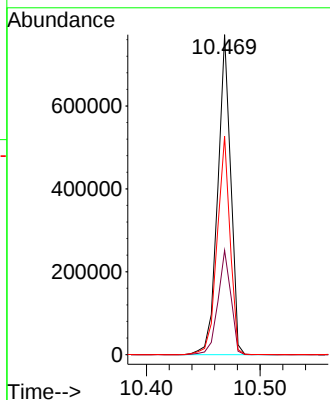
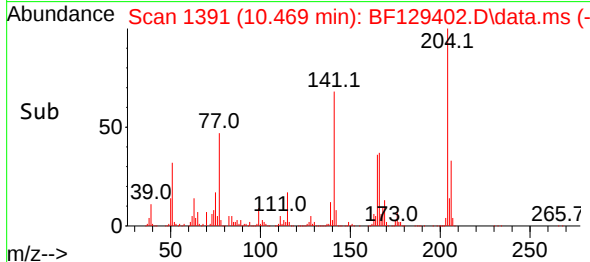
Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD



Tgt Ion:204 Resp: 610413  
Ion Ratio Lower Upper  
204 100  
206 32.6 25.8 38.6  
141 68.2 47.0 70.4

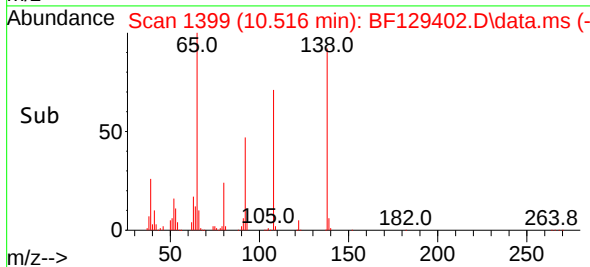
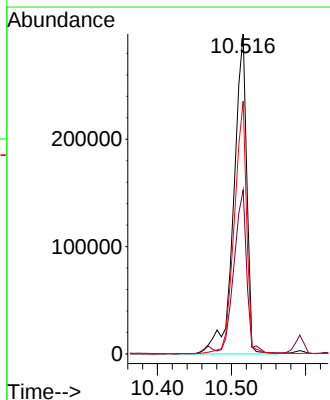
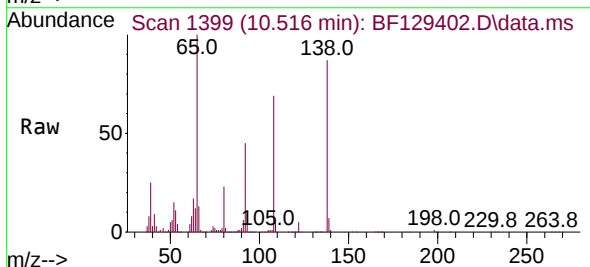
Manual Integrations  
APPROVED

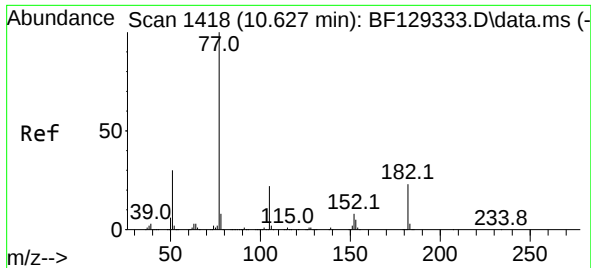
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022



#62  
4-Nitroaniline  
Concen: 40.256 ng  
RT: 10.516 min Scan# 1399  
Delta R.T. 0.012 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

Tgt Ion:138 Resp: 363873  
Ion Ratio Lower Upper  
138 100  
92 51.2 33.5 73.5  
108 79.0 61.0 101.0





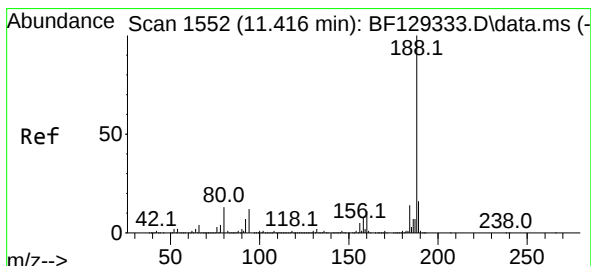
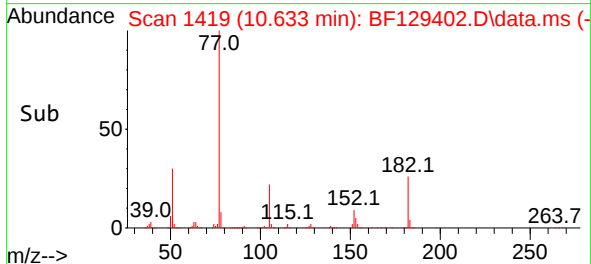
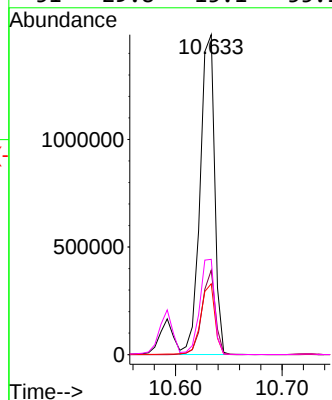
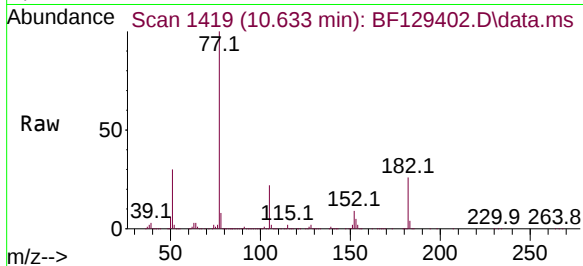
#63  
Azobenzene  
Concen: 41.094 ng  
RT: 10.633 min Scan# 1418  
Delta R.T. 0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD

Tgt Ion: 77 Resp: 1396862  
Ion Ratio Lower Upper  
77 100  
182 26.4 5.6 45.6  
105 22.1 1.6 41.6  
51 29.8 15.1 55.1

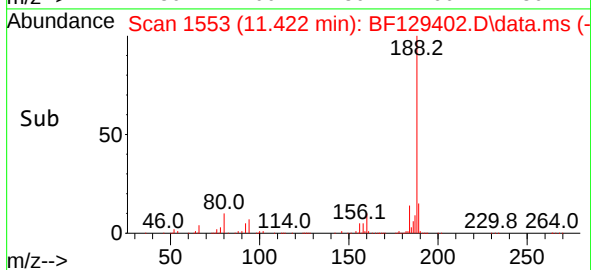
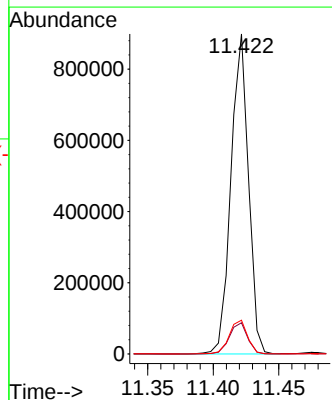
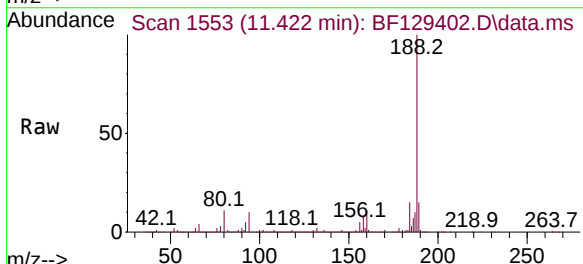
Manual Integrations  
APPROVED

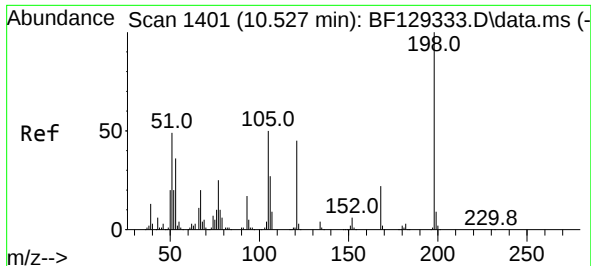
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.422 min Scan# 1553  
Delta R.T. 0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

Tgt Ion:188 Resp: 831656  
Ion Ratio Lower Upper  
188 100  
94 9.7 7.0 10.6  
80 10.5 7.6 11.4





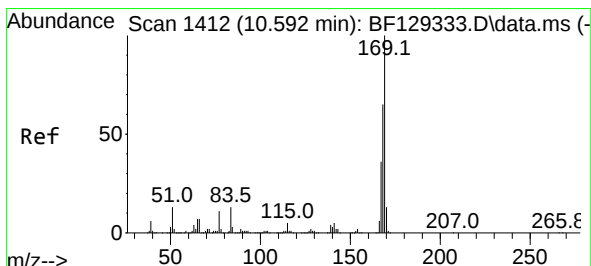
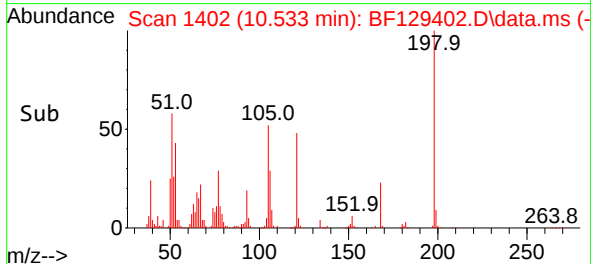
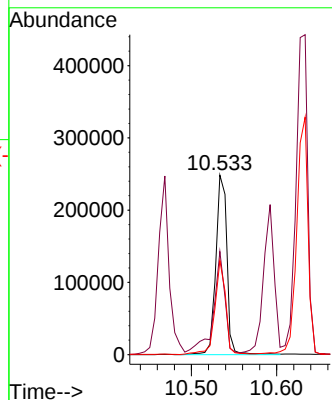
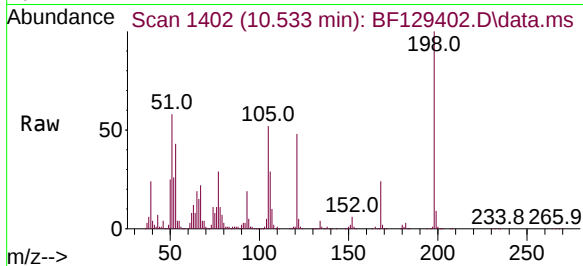
#65  
4,6-Dinitro-2-methylphenol  
Concen: 42.830 ng  
RT: 10.533 min Scan# 1401  
Delta R.T. 0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD

Tgt Ion:198 Resp: 224826  
Ion Ratio Lower Upper  
198 100  
51 57.5 37.6 77.6  
105 52.4 27.0 67.0

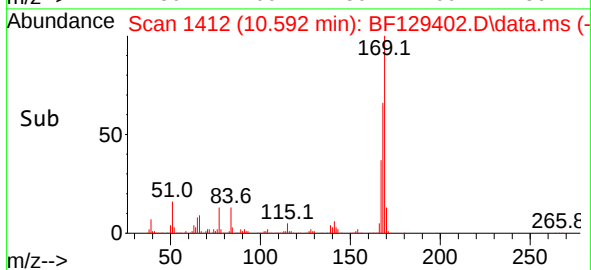
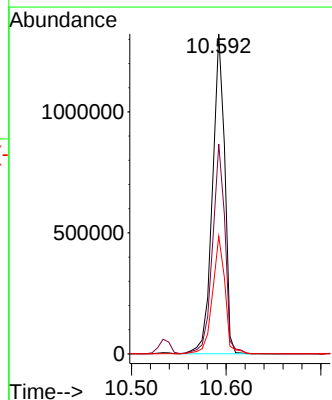
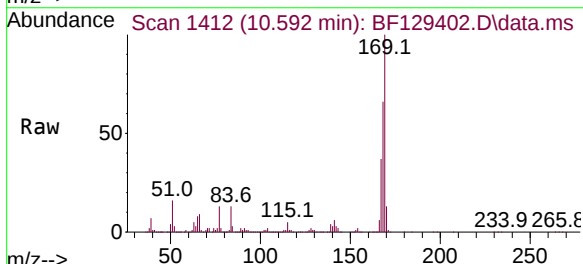
Manual Integrations  
APPROVED

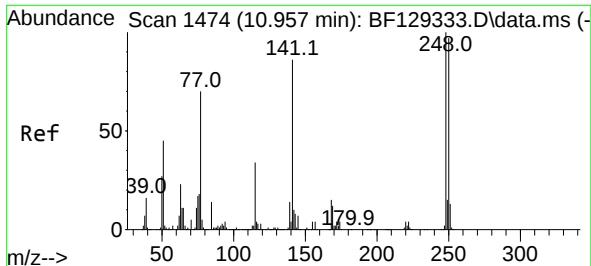
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022



#66  
n-Nitrosodiphenylamine  
Concen: 42.937 ng  
RT: 10.592 min Scan# 1412  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

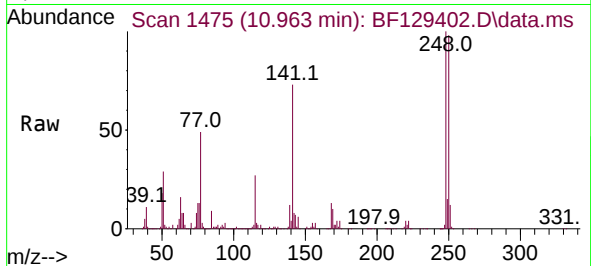
Tgt Ion:169 Resp: 1189183  
Ion Ratio Lower Upper  
169 100  
168 65.6 50.1 75.1  
167 36.8 27.9 41.9





#67  
4-Bromophenyl-phenylether  
Concen: 43.770 ng  
RT: 10.963 min Scan# 1475  
Delta R.T. 0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

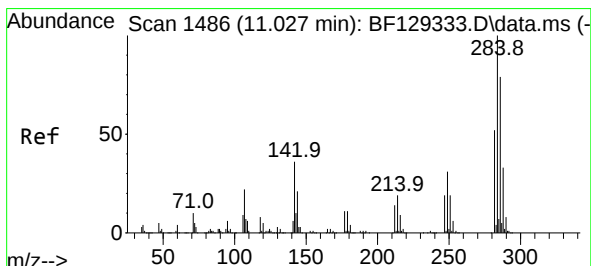
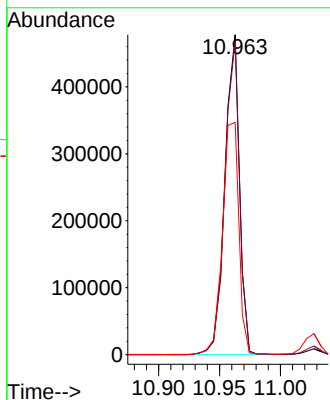
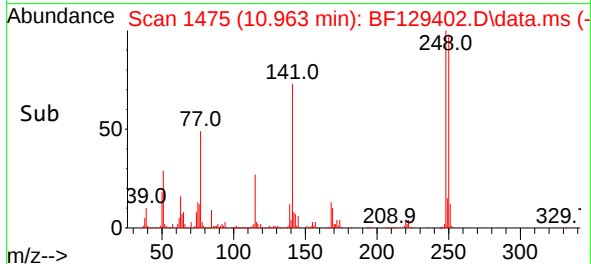
Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD



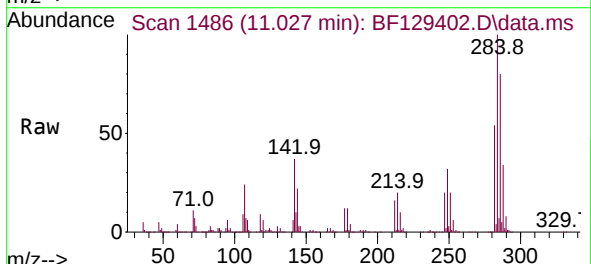
Tgt Ion:248 Resp: 398610  
Ion Ratio Lower Upper  
248 100  
250 97.9 80.6 120.8  
141 72.6 58.9 88.3

Manual Integrations  
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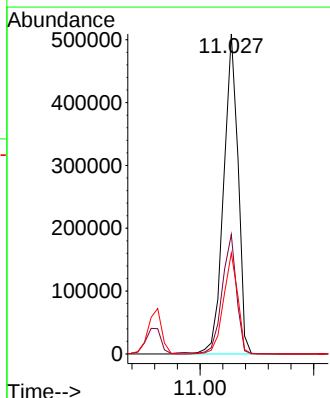
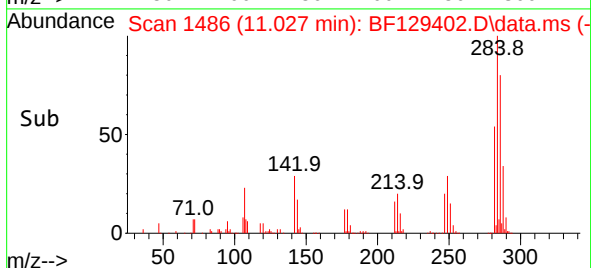
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022

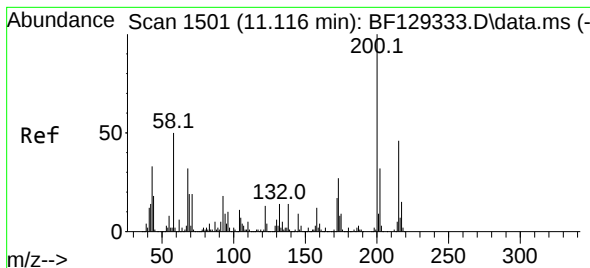


#68  
Hexachlorobenzene  
Concen: 45.255 ng  
RT: 11.027 min Scan# 1486  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24



Tgt Ion:284 Resp: 446552  
Ion Ratio Lower Upper  
284 100  
142 37.3 29.0 43.4  
249 31.5 25.0 37.6





#69

Atrazine

Concen: 43.453 ng

RT: 11.122 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF129402.D

Acq: 28 Jul 2022 11:24

Instrument :

BNA\_F

ClientSampleId :

PB146497BSD

Tgt Ion:200 Resp: 365549

Ion Ratio Lower Upper

200 100

173 26.6 6.3 46.3

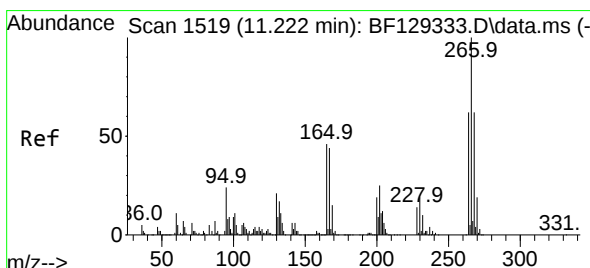
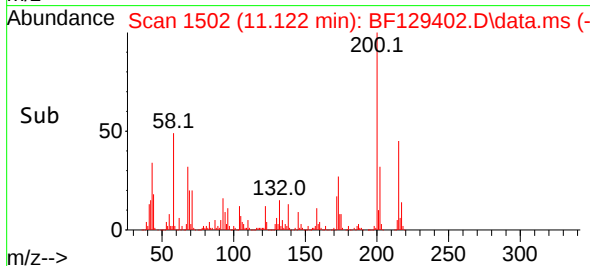
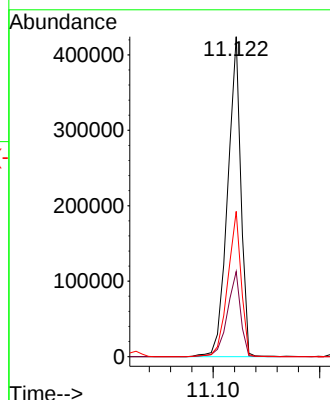
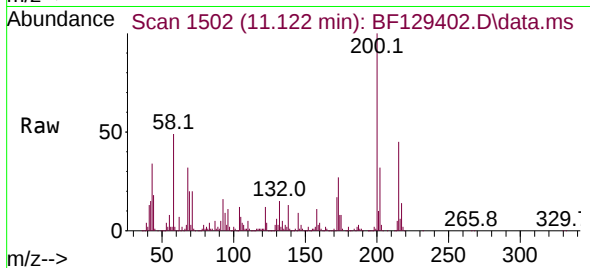
215 45.4 28.3 68.3

Manual Integrations

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Reviewed By :Christian Giraldo 07/29/2022

Supervised By :Jagrut Upadhyay 07/29/2022



#70

Pentachlorophenol

Concen: 79.768 ng

RT: 11.227 min Scan# 1520

Delta R.T. 0.006 min

Lab File: BF129402.D

Acq: 28 Jul 2022 11:24

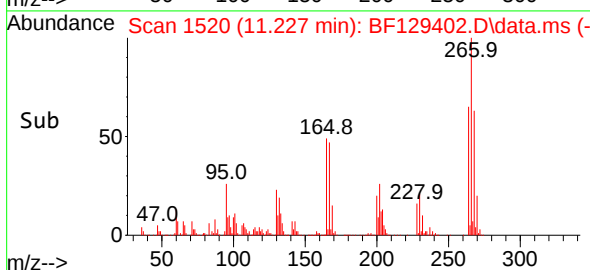
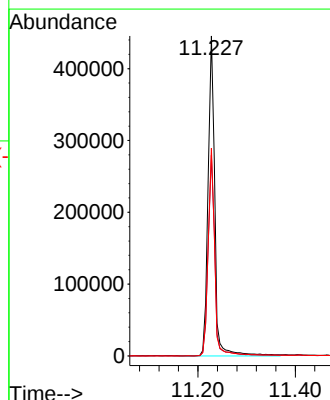
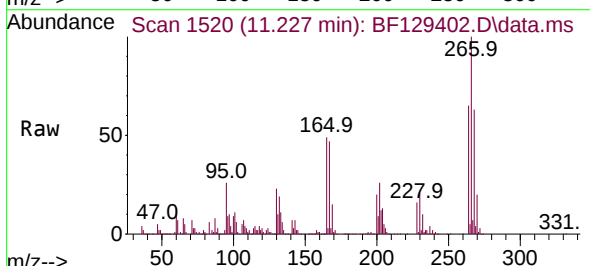
Tgt Ion:266 Resp: 427904

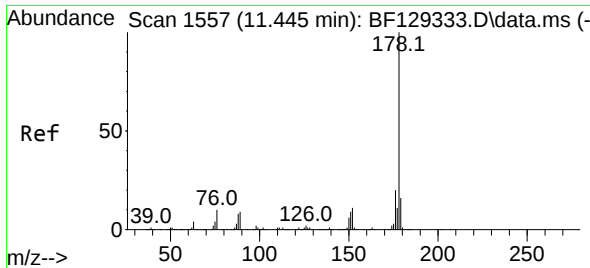
Ion Ratio Lower Upper

266 100

268 62.8 51.0 76.4

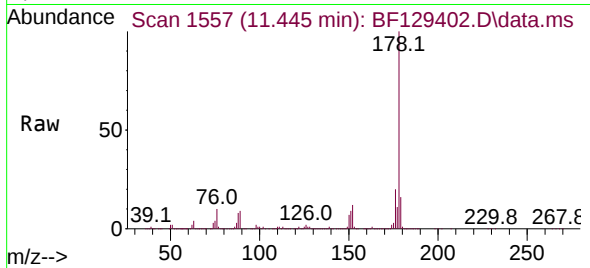
264 64.9 49.4 74.2





#71  
Phenanthrene  
Concen: 42.068 ng  
RT: 11.445 min Scan# 1557  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

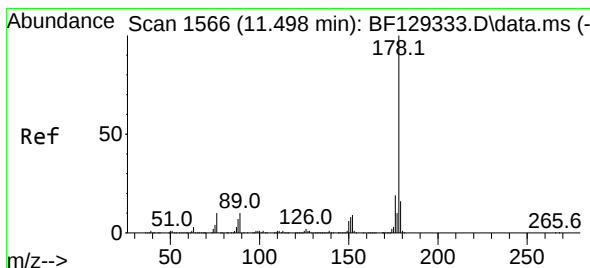
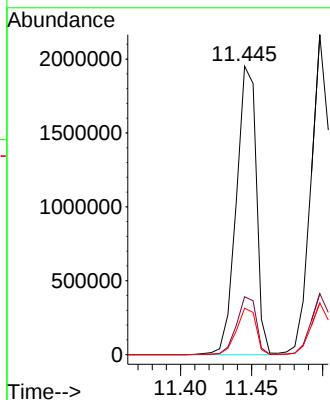
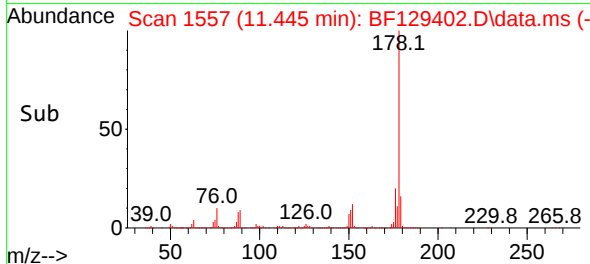
Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD



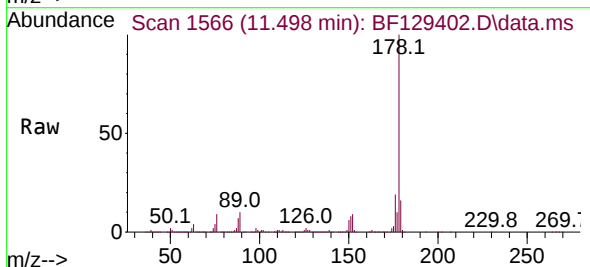
Tgt Ion:178 Resp: 1909799  
Ion Ratio Lower Upper  
178 100  
176 20.1 16.0 24.0  
179 16.0 12.6 19.0

Manual Integrations  
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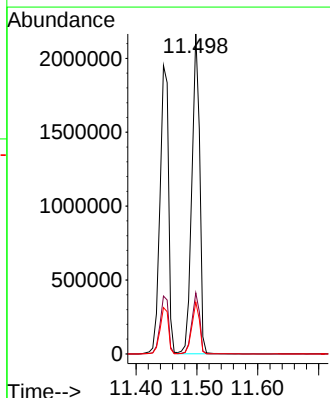
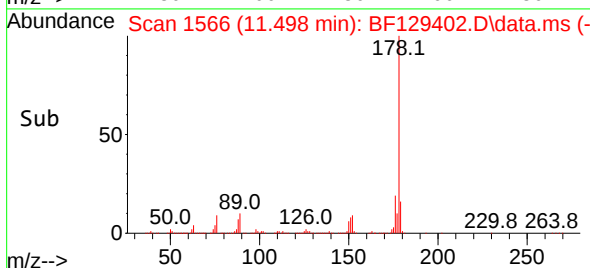
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022

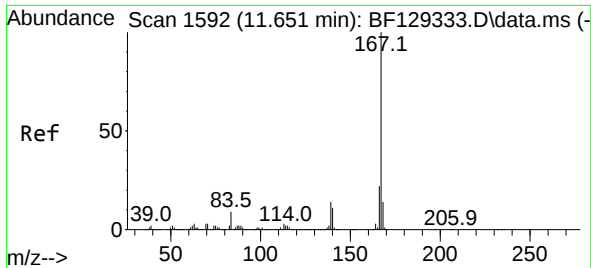


#72  
Anthracene  
Concen: 43.406 ng  
RT: 11.498 min Scan# 1566  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24



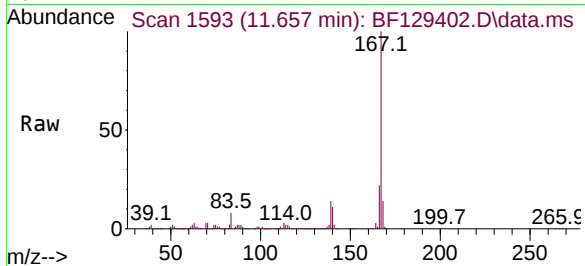
Tgt Ion:178 Resp: 1936468  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.4 23.2  
179 16.2 12.6 19.0





#73  
Carbazole  
Concen: 43.676 ng  
RT: 11.657 min Scan# 1592  
Delta R.T. 0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

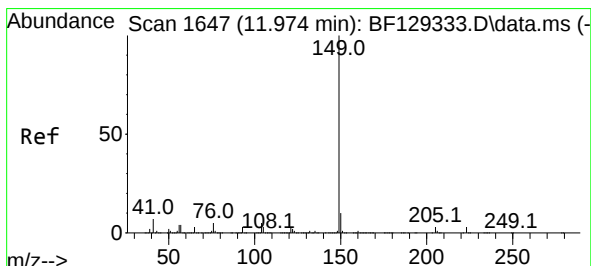
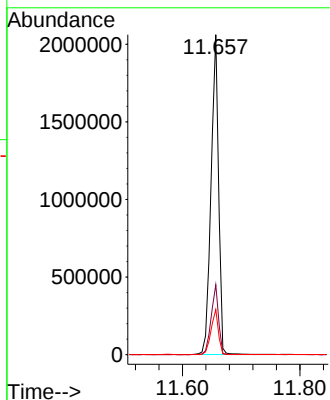
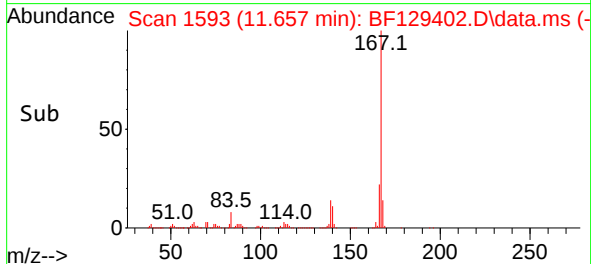
Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD



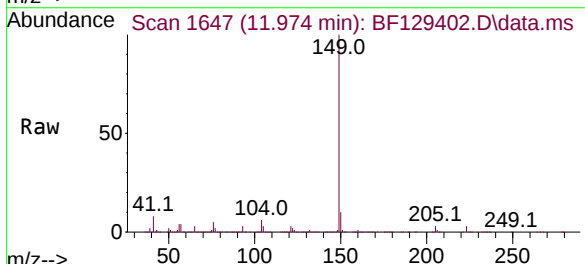
Tgt Ion:167 Resp: 1834235  
Ion Ratio Lower Upper  
167 100  
166 21.8 17.7 26.5  
139 14.1 11.2 16.8

Manual Integrations  
APPROVED

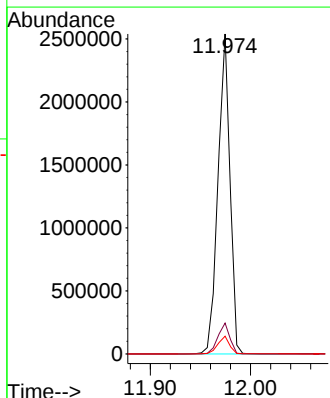
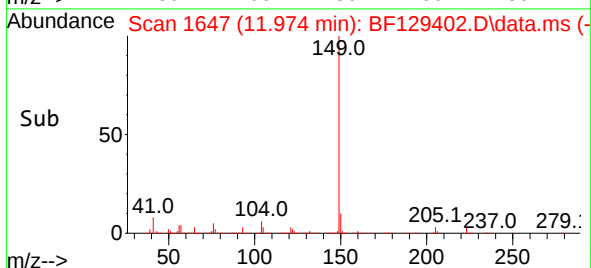
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022

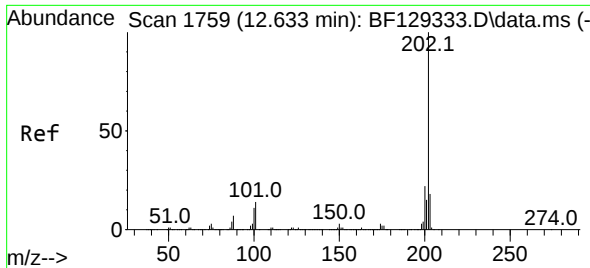


#74  
Di-n-butylphthalate  
Concen: 42.230 ng  
RT: 11.974 min Scan# 1647  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24



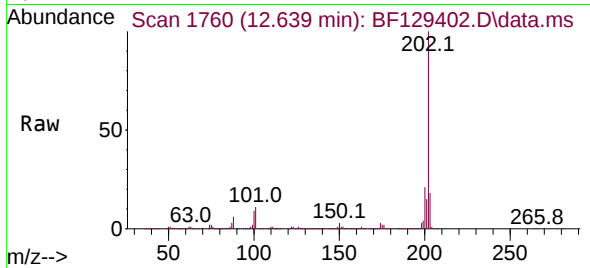
Tgt Ion:149 Resp: 2112022  
Ion Ratio Lower Upper  
149 100  
150 9.6 7.5 11.3  
104 5.5 4.4 6.6





#75  
Fluoranthene  
Concen: 43.064 ng  
RT: 12.639 min Scan# 1759  
Delta R.T. 0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

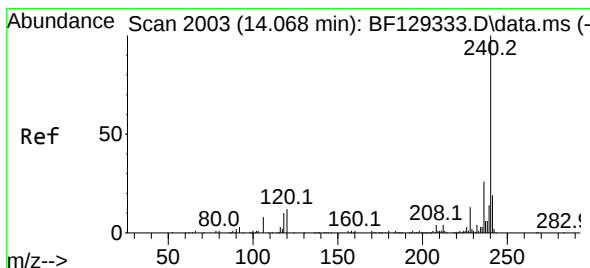
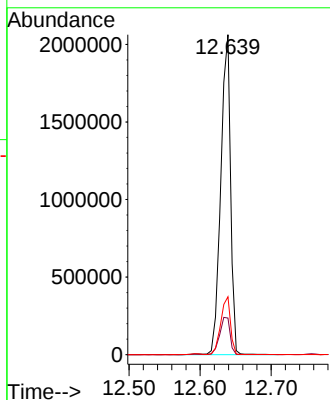
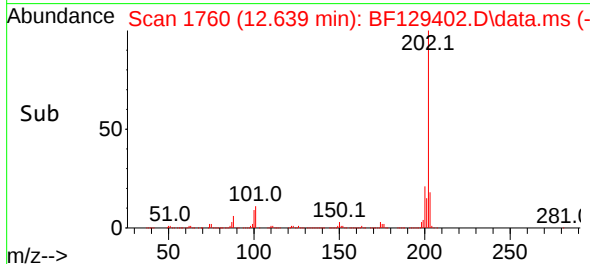
Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD



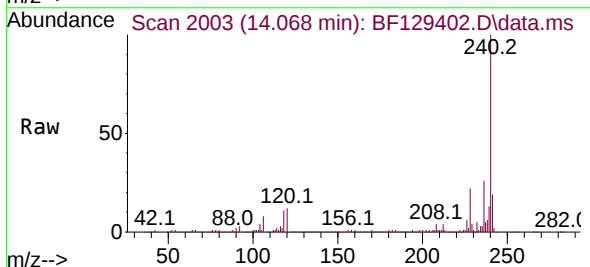
Tgt Ion:202 Resp: 1980874  
Ion Ratio Lower Upper  
202 100  
101 11.4 0.0 31.4  
203 18.1 0.0 38.0

Manual Integrations  
APPROVED

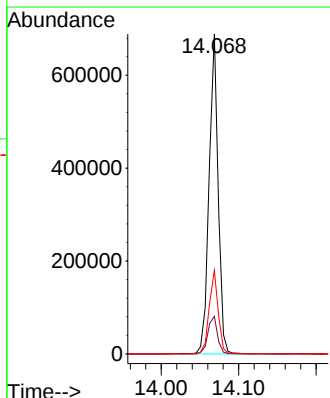
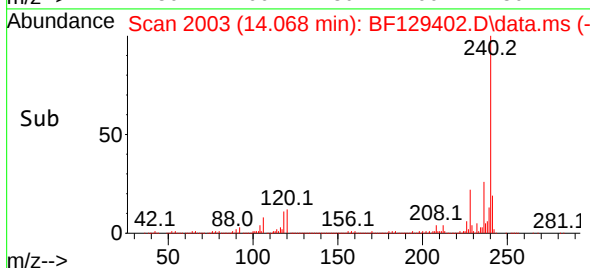
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022

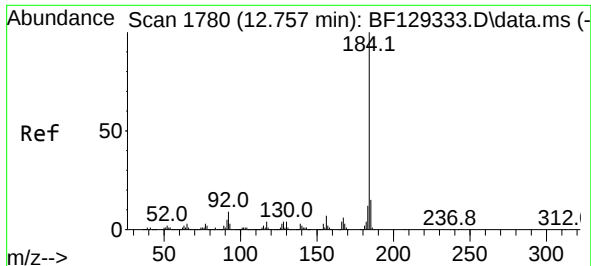


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.068 min Scan# 2003  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24



Tgt Ion:240 Resp: 559778  
Ion Ratio Lower Upper  
240 100  
120 11.7 8.9 13.3  
236 26.1 20.8 31.2





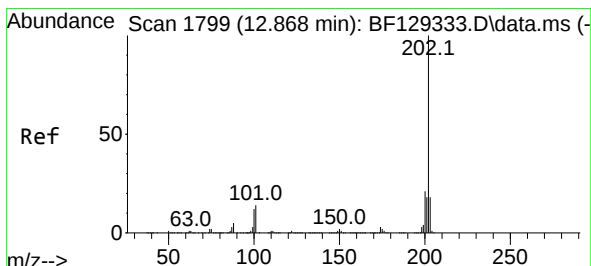
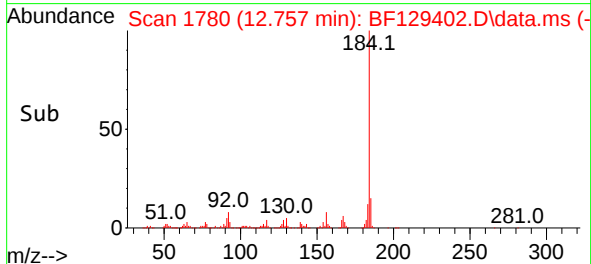
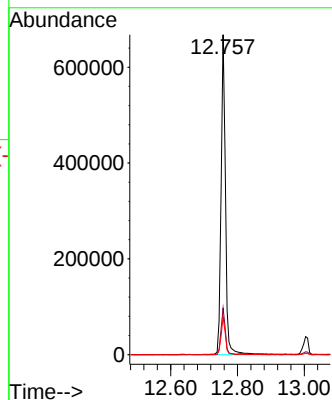
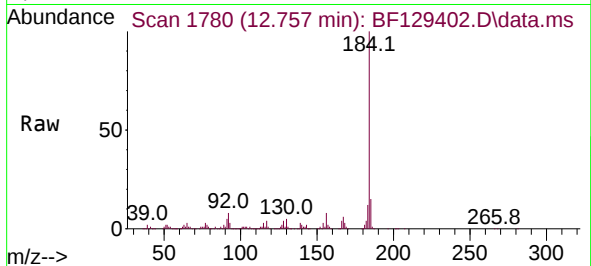
#77  
Benzidine  
Concen: 30.808 ng  
RT: 12.757 min Scan# 1780  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD

Tgt Ion:184 Resp: 60924  
Ion Ratio Lower Upper  
184 100  
185 14.5 11.9 17.9  
183 11.8 9.3 13.9

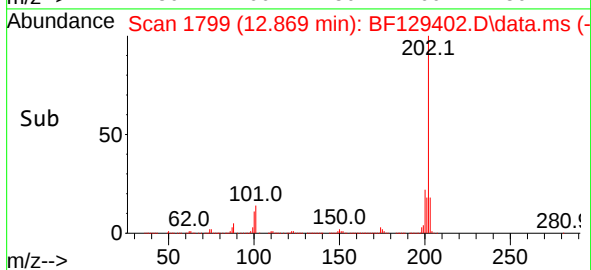
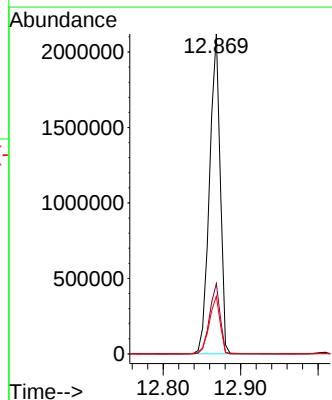
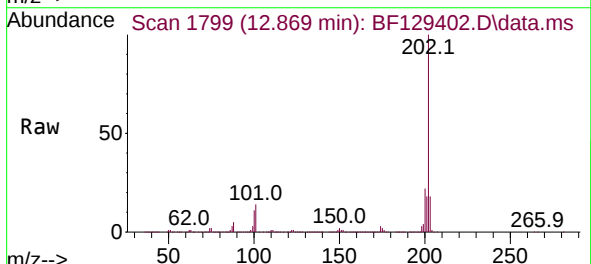
Manual Integrations  
APPROVED

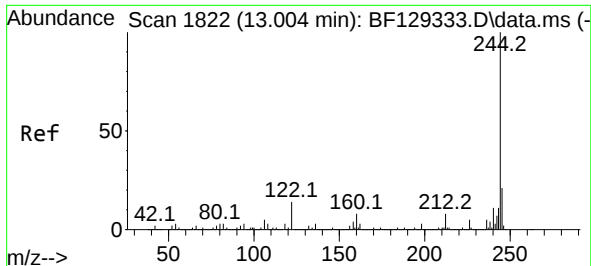
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022



#78  
Pyrene  
Concen: 43.217 ng  
RT: 12.869 min Scan# 1799  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

Tgt Ion:202 Resp: 2023014  
Ion Ratio Lower Upper  
202 100  
200 22.0 17.7 26.5  
203 18.0 14.6 21.8





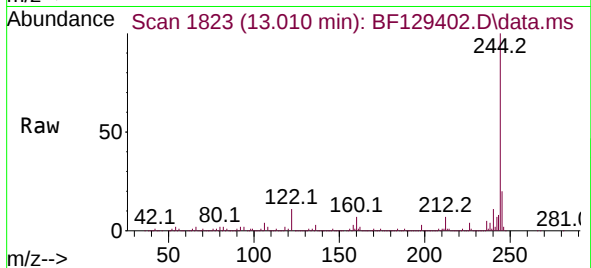
#79  
 Terphenyl-d14  
 Concen: 89.511 ng  
 RT: 13.010 min Scan# 1822  
 Delta R.T. 0.006 min  
 Lab File: BF129402.D  
 Acq: 28 Jul 2022 11:24

Instrument :

BNA\_F

ClientSampleId :

PB146497BSD

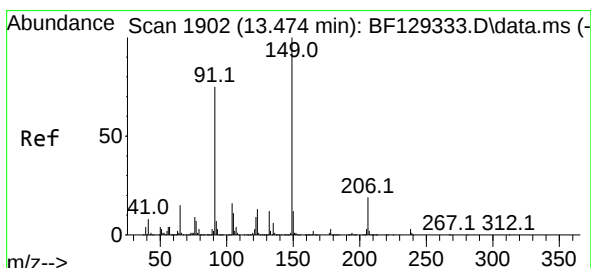
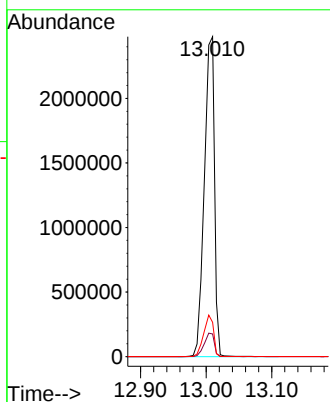
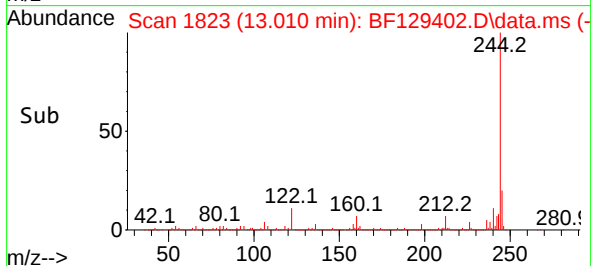


Tgt Ion:244 Resp: 2655940  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.1 9.1  
 122 10.7 8.8 13.2

Manual Integrations

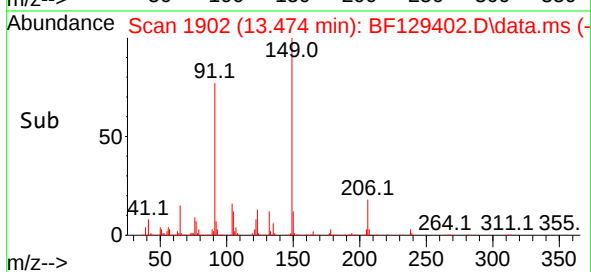
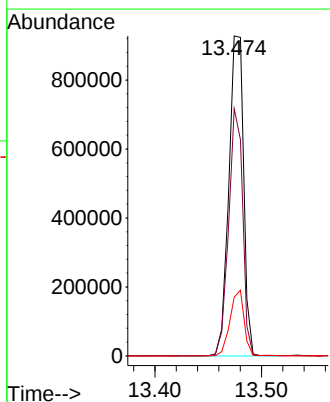
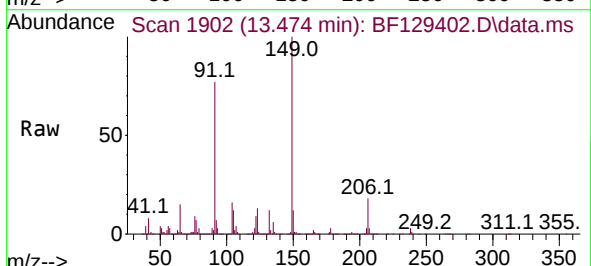
APPROVED

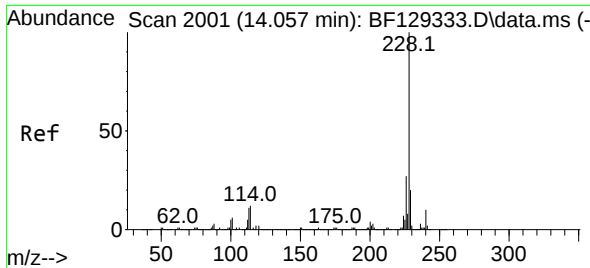
Reviewed By :Christian Giraldo 07/29/2022  
 Supervised By :Jagrut Upadhyay 07/29/2022



#80  
 Butylbenzylphthalate  
 Concen: 44.076 ng  
 RT: 13.474 min Scan# 1902  
 Delta R.T. 0.000 min  
 Lab File: BF129402.D  
 Acq: 28 Jul 2022 11:24

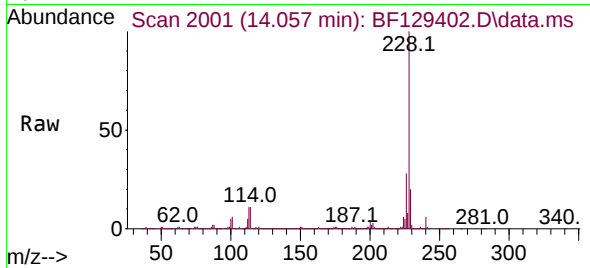
Tgt Ion:149 Resp: 894922  
 Ion Ratio Lower Upper  
 149 100  
 91 77.2 61.2 91.8  
 206 18.3 15.7 23.5





#81  
Benzo(a)anthracene  
Concen: 43.475 ng  
RT: 14.057 min Scan# 2001  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

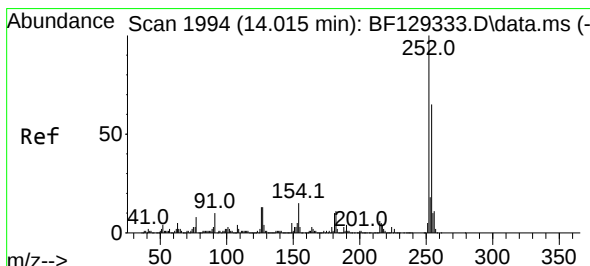
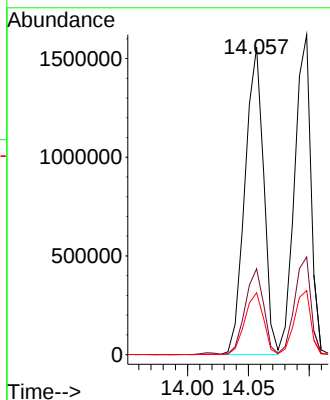
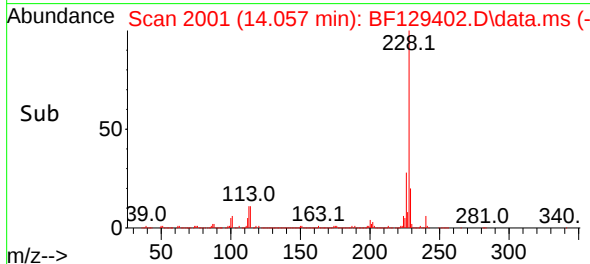
Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD



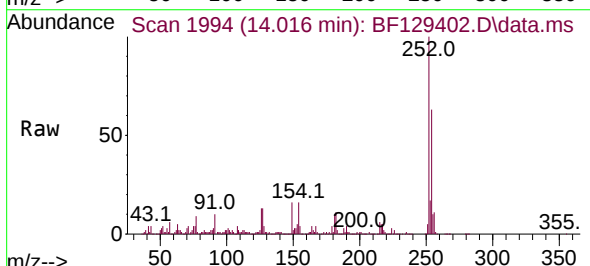
Tgt Ion:228 Resp: 166241  
Ion Ratio Lower Upper  
228 100  
226 27.9 22.1 33.1  
229 20.1 15.8 23.8

Manual Integrations  
APPROVED

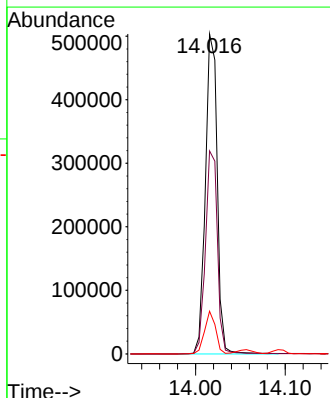
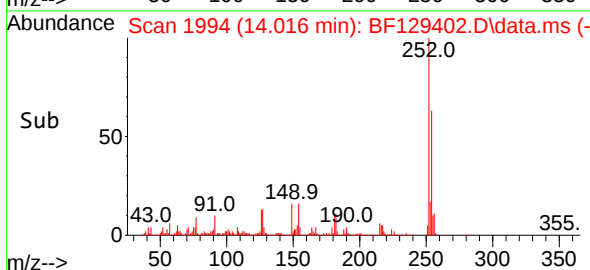
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022

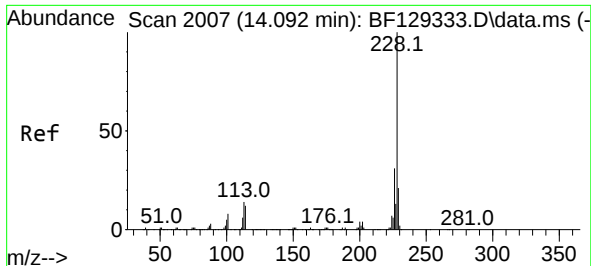


#82  
3,3'-Dichlorobenzidine  
Concen: 36.531 ng  
RT: 14.016 min Scan# 1994  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24



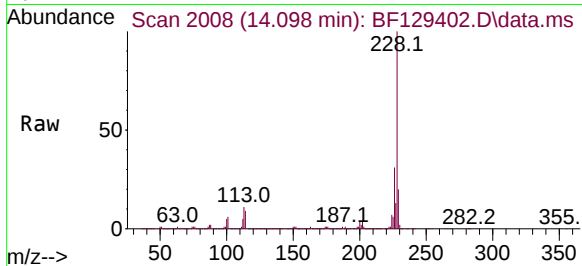
Tgt Ion:252 Resp: 461211  
Ion Ratio Lower Upper  
252 100  
254 63.4 50.2 75.4  
126 13.3 8.2 12.4





#83  
Chrysene  
Concen: 41.996 ng  
RT: 14.098 min Scan# 2007  
Delta R.T. 0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

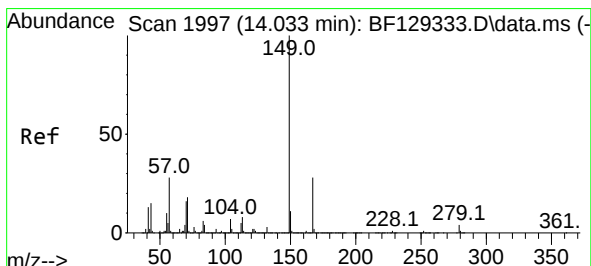
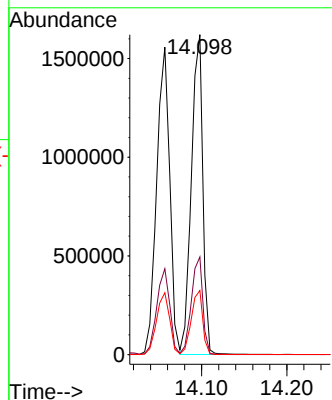
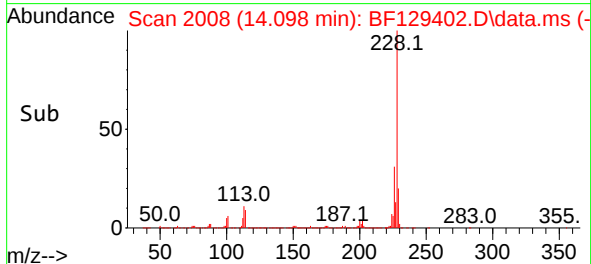
Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD



Tgt Ion:228 Resp: 1513443  
Ion Ratio Lower Upper  
228 100  
226 30.5 24.3 36.5  
229 20.0 15.9 23.9

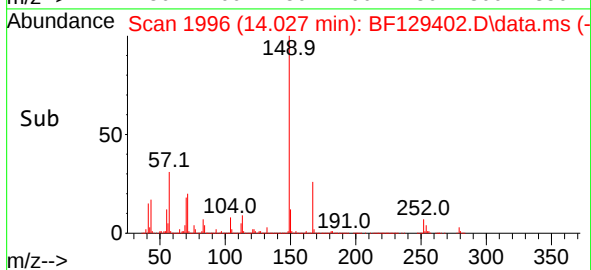
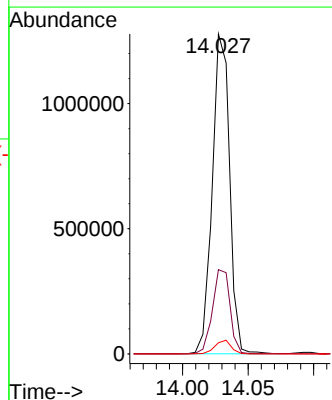
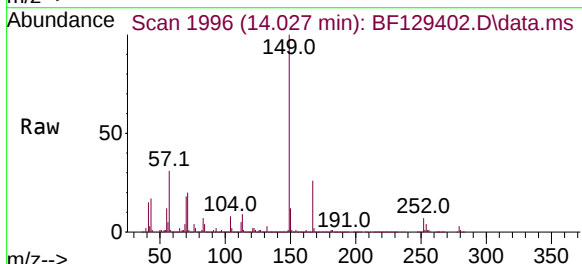
Manual Integrations  
APPROVED

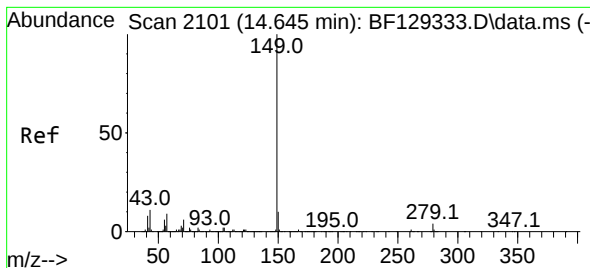
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 43.886 ng  
RT: 14.027 min Scan# 1996  
Delta R.T. -0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

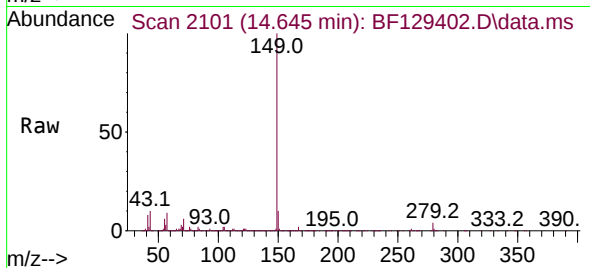
Tgt Ion:149 Resp: 1173091  
Ion Ratio Lower Upper  
149 100  
167 26.3 21.0 31.4  
279 3.5 3.1 4.7





#85  
Di-n-octyl phthalate  
Concen: 45.084 ng  
RT: 14.645 min Scan# 2101  
Delta R.T. 0.000 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

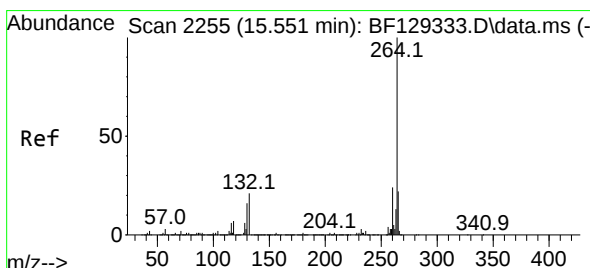
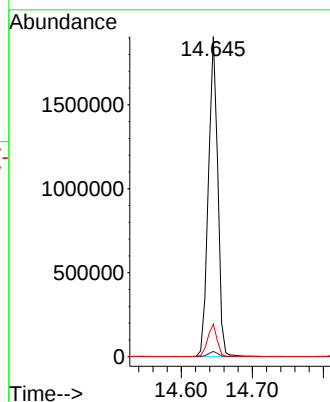
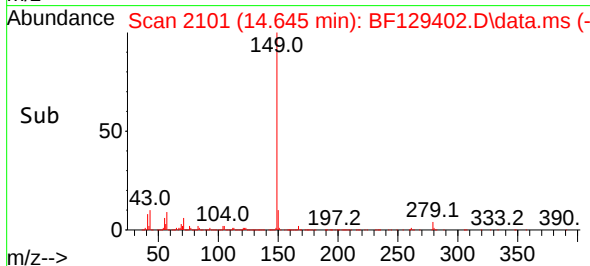
Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD



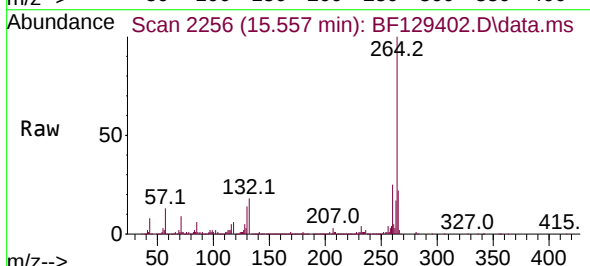
Tgt Ion:149 Resp: 1734217  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 10.2 9.2 13.8

Manual Integrations  
APPROVED

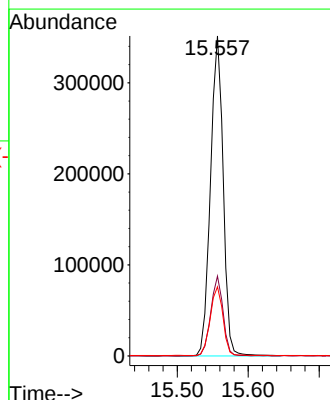
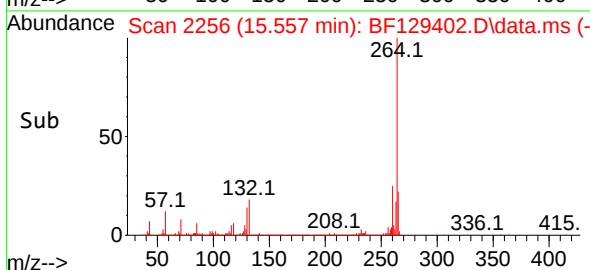
Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022

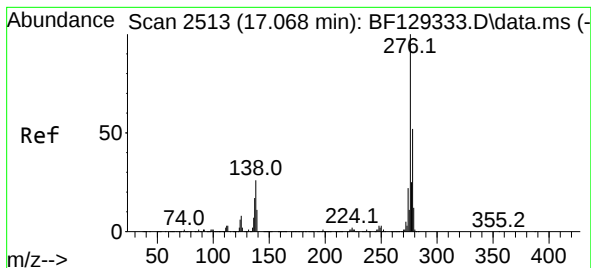


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.557 min Scan# 2256  
Delta R.T. 0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24



Tgt Ion:264 Resp: 434549  
Ion Ratio Lower Upper  
264 100  
260 24.9 18.4 27.6  
265 21.6 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.856 ng

RT: 17.068 min Scan# 2513

Delta R.T. 0.000 min

Lab File: BF129402.D

Acq: 28 Jul 2022 11:24

Instrument :

BNA\_F

ClientSampleId :

PB146497BSD

Tgt Ion:276 Resp: 1341886

Ion Ratio Lower Upper

276 100

138 25.8 21.1 31.7

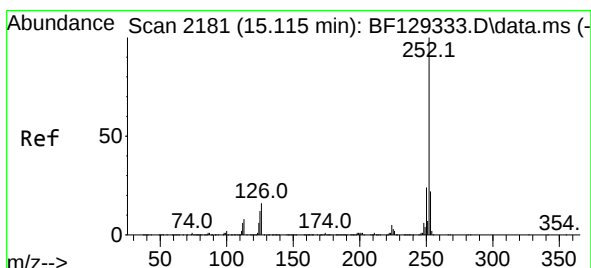
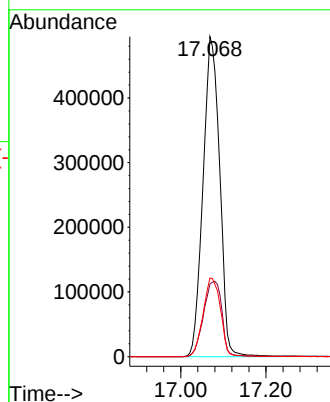
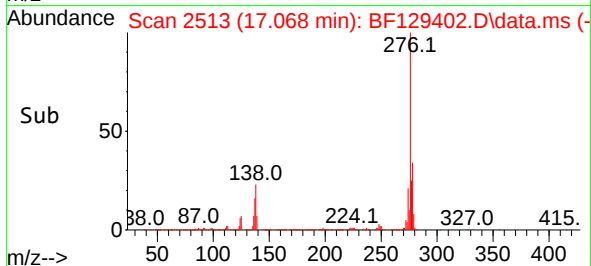
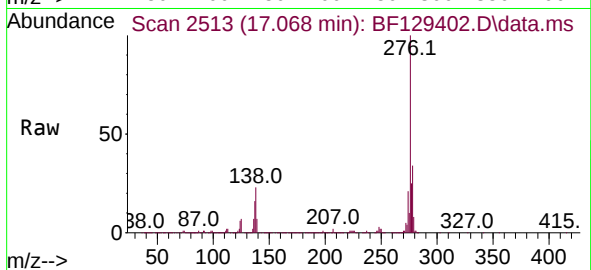
277 25.7 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/29/2022

Supervised By :Jagrut Upadhyay 07/29/2022



#88

Benzo(b)fluoranthene

Concen: 48.940 ng

RT: 15.115 min Scan# 2181

Delta R.T. 0.000 min

Lab File: BF129402.D

Acq: 28 Jul 2022 11:24

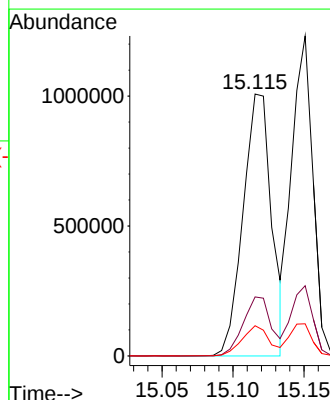
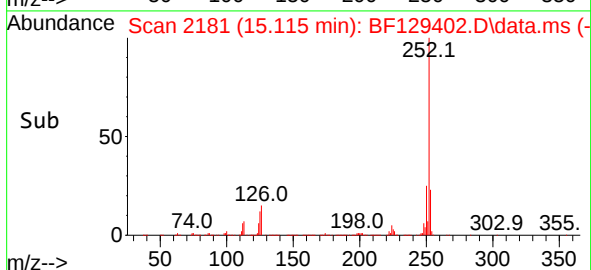
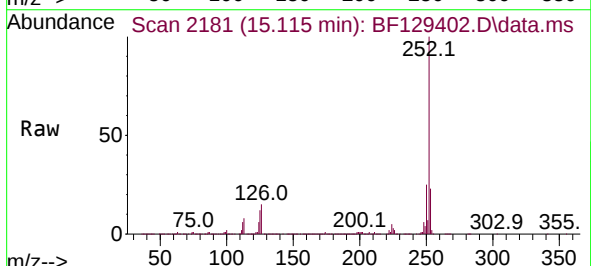
Tgt Ion:252 Resp: 1410700

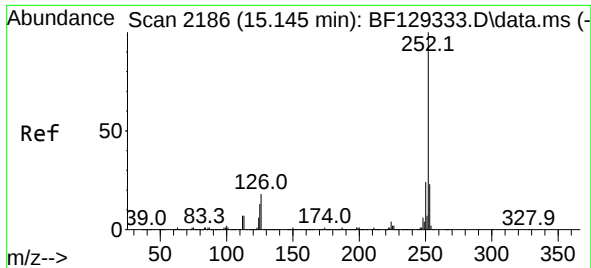
Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 11.5 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 45.564 ng

RT: 15.151 min Scan# 2187

Delta R.T. 0.006 min

Lab File: BF129402.D

Acq: 28 Jul 2022 11:24

Instrument :

BNA\_F

ClientSampleId :

PB146497BSD

Tgt Ion:252 Resp: 1287058

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

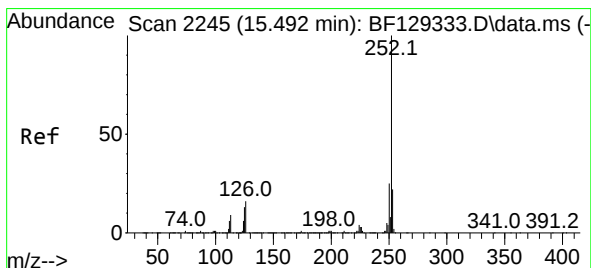
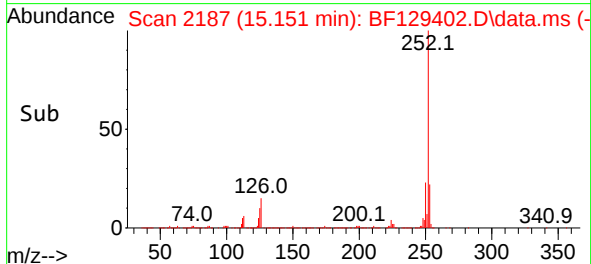
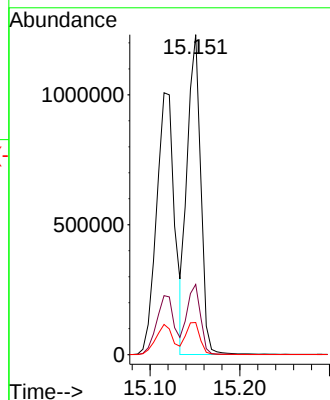
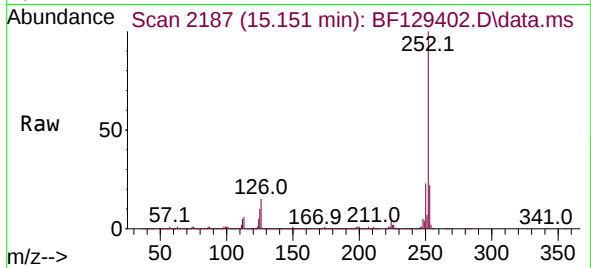
125 10.0 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/29/2022

Supervised By :Jagrut Upadhyay 07/29/2022



#90

Benzo(a)pyrene

Concen: 54.262 ng

RT: 15.498 min Scan# 2246

Delta R.T. 0.006 min

Lab File: BF129402.D

Acq: 28 Jul 2022 11:24

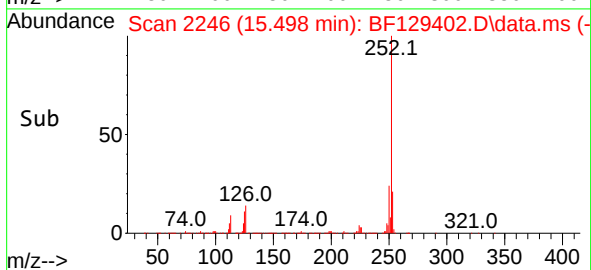
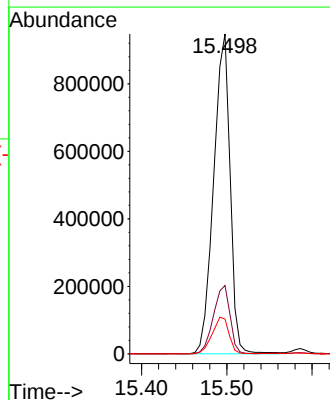
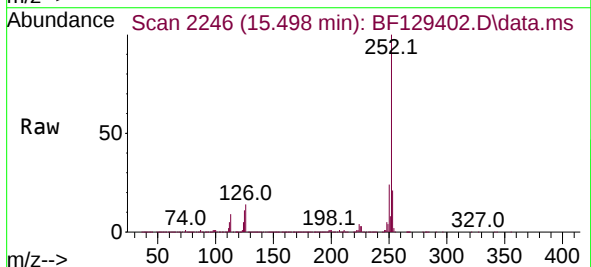
Tgt Ion:252 Resp: 1269699

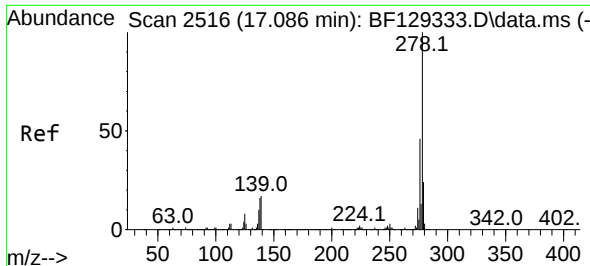
Ion Ratio Lower Upper

252 100

253 21.4 17.0 25.6

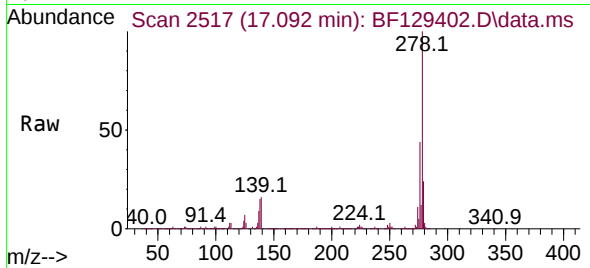
125 10.9 8.8 13.2





#91  
Dibenzo(a,h)anthracene  
Concen: 48.466 ng  
RT: 17.092 min Scan# 2516  
Delta R.T. 0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24

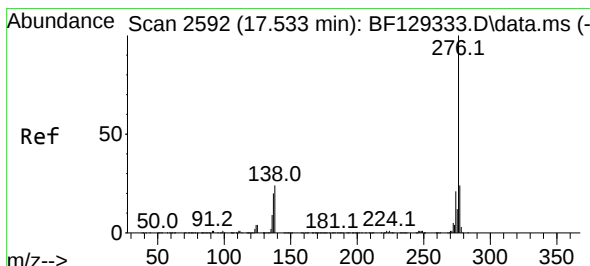
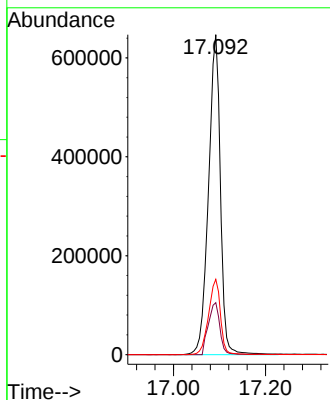
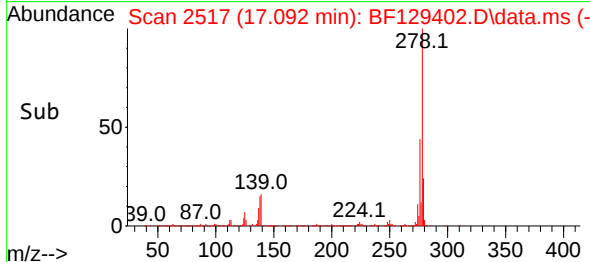
Instrument :  
BNA\_F  
ClientSampleId :  
PB146497BSD



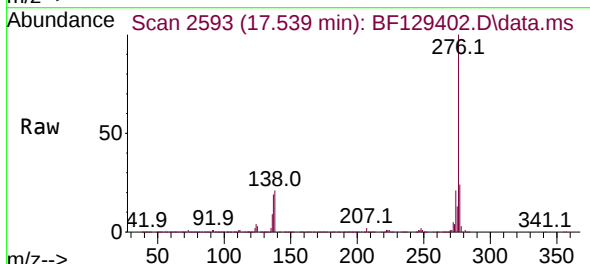
Tgt Ion:278 Resp: 1154332  
Ion Ratio Lower Upper  
278 100  
139 16.2 12.8 19.2  
279 23.5 18.6 28.0

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 07/29/2022  
Supervised By :Jagrut Upadhyay 07/29/2022



#92  
Benzo(g,h,i)perylene  
Concen: 49.059 ng  
RT: 17.539 min Scan# 2593  
Delta R.T. 0.006 min  
Lab File: BF129402.D  
Acq: 28 Jul 2022 11:24



Tgt Ion:276 Resp: 1193964  
Ion Ratio Lower Upper  
276 100  
277 23.6 19.1 28.7  
138 21.5 18.0 27.0

