

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101024\  
 Data File : BN034532.D  
 Acq On : 10 Oct 2024 21:43  
 Operator : RC/JU  
 Sample : PB163828BS  
 Misc :  
 ALS Vial : 108 Sample Multiplier: 1

## Instrument :

BNA\_N

## ClientSampleId :

PB163828BS

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 10/11/2024  
 Supervised By :mohammad ahmed 10/14/2024

Quant Time: Oct 11 00:23:22 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091924.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 11 00:21:08 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.373  | 152  | 5380     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.127 | 136  | 15055    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.019 | 164  | 8011     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 16.783 | 188  | 14993    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.008 | 240  | 6346     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.119 | 264  | 8226     | 0.400 | ng    | # 0.00   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.018  | 112  | 4871     | 0.319 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.578  | 99   | 4664     | 0.263 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.514  | 82   | 3694     | 0.321 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.727 | 152  | 11213    | 0.504 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.542 | 330  | 1035     | 0.285 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.640 | 172  | 10934    | 0.336 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 18.829 | 212  | 13134    | 0.347 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.452 | 244  | 8525     | 0.673 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.032  | 88   | 1937     | 0.288 | ng    | # 33     |
| 3) n-Nitrosodimethylamine     | 3.328  | 42   | 2309     | 0.302 | ng    | # 84     |
| 6) bis(2-Chloroethyl)ether    | 6.824  | 93   | 4552     | 0.290 | ng    | 96       |
| 9) Naphthalene                | 10.169 | 128  | 14730    | 0.357 | ng    | 99       |
| 10) Hexachlorobutadiene       | 10.458 | 225  | 3212     | 0.413 | ng    | # 97     |
| 12) 2-Methylnaphthalene       | 11.806 | 142  | 9328     | 0.347 | ng    | 99       |
| 16) Acenaphthylene            | 13.730 | 152  | 12394    | 0.361 | ng    | 99       |
| 17) Acenaphthene              | 14.083 | 154  | 8896     | 0.362 | ng    | 99       |
| 18) Fluorene                  | 15.088 | 166  | 10708    | 0.332 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 16.287 | 198  | 87       | 0.169 | ng    | # 13     |
| 21) 4-Bromophenyl-phenylether | 15.989 | 248  | 3102     | 0.368 | ng    | # 85     |
| 22) Hexachlorobenzene         | 16.088 | 284  | 4437     | 0.470 | ng    | # 89     |
| 23) Atrazine                  | 16.287 | 200  | 2465     | 0.353 | ng    | 97       |
| 24) Pentachlorophenol         | 16.448 | 266  | 1303     | 0.417 | ng    | 99       |
| 25) Phenanthrene              | 16.821 | 178  | 15855    | 0.368 | ng    | 100      |
| 26) Anthracene                | 16.920 | 178  | 12810    | 0.365 | ng    | 100      |
| 28) Fluoranthene              | 18.862 | 202  | 16050    | 0.322 | ng    | 98       |
| 30) Pyrene                    | 19.224 | 202  | 16296    | 0.608 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.008 | 228  | 1605m    | 0.080 | ng    |          |
| 33) Chrysene                  | 21.044 | 228  | 12783m   | 0.534 | ng    |          |
| 36) Indeno(1,2,3-cd)pyrene    | 25.177 | 276  | 15731    | 0.446 | ng    | 95       |
| 37) Benzo(b)fluoranthene      | 22.496 | 252  | 10816    | 0.336 | ng    | 94       |
| 38) Benzo(k)fluoranthene      | 22.537 | 252  | 12950    | 0.383 | ng    | 94       |
| 39) Benzo(a)pyrene            | 23.025 | 252  | 10678    | 0.407 | ng    | 94       |
| 40) Dibenzo(a,h)anthracene    | 25.194 | 278  | 11948    | 0.436 | ng    | 96       |
| 41) Benzo(g,h,i)perylene      | 25.797 | 276  | 13530    | 0.440 | ng    | 96       |

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

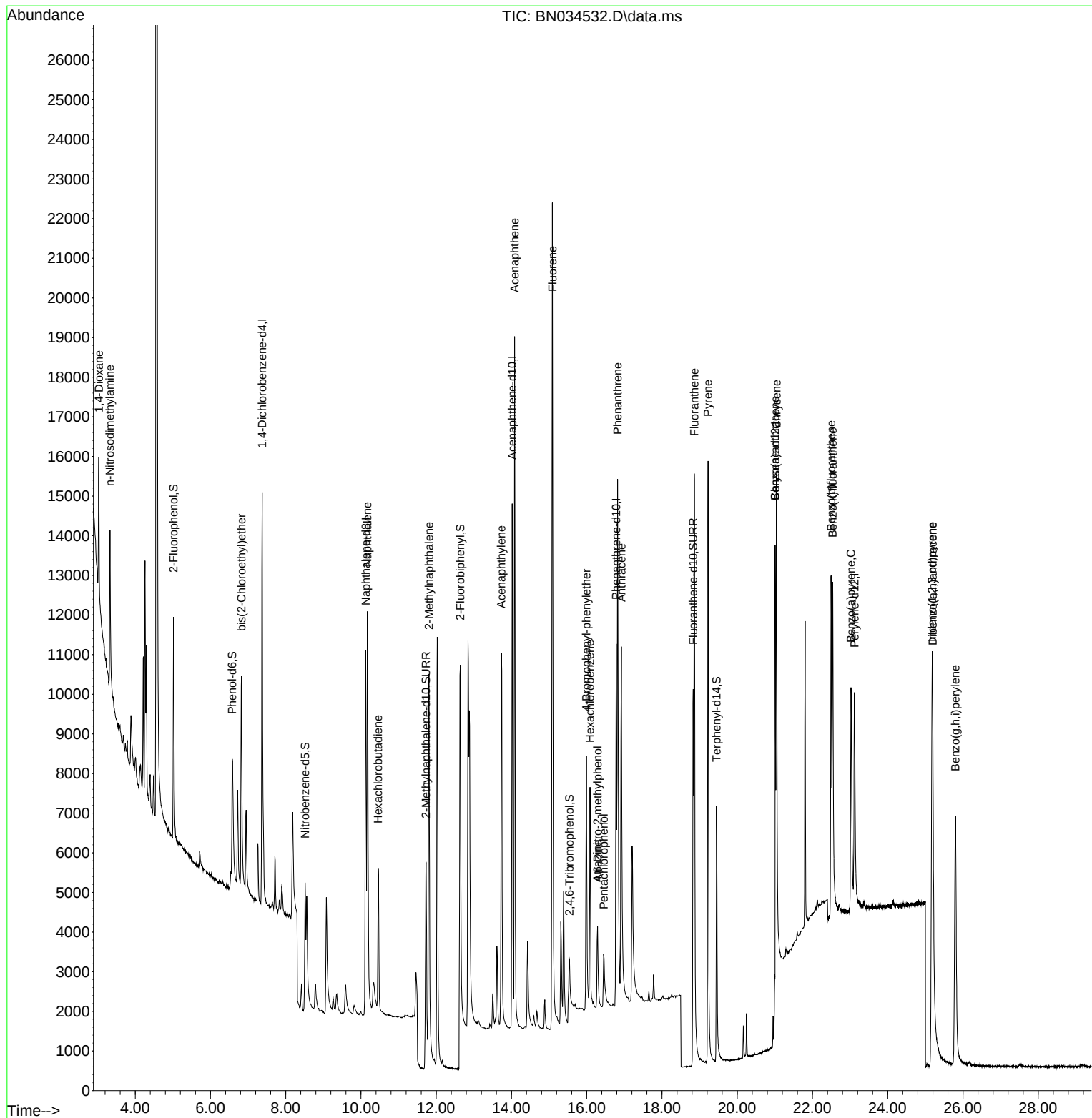
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101024\  
Data File : BN034532.D  
Acq On : 10 Oct 2024 21:43  
Operator : RC/JU  
Sample : PB163828BS  
Misc :  
ALS Vial : 108 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB163828BS

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 10/11/2024  
Supervised By :mohammad ahmed 10/14/2024

Quant Time: Oct 11 00:23:22 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 11 00:21:08 2024  
Response via : Initial Calibration





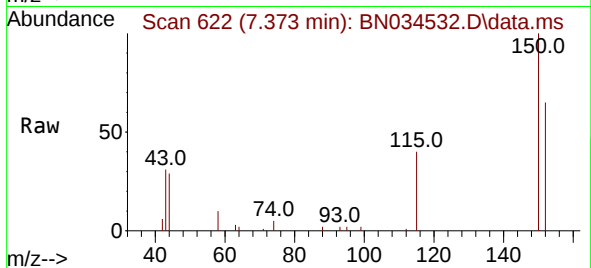
#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.373 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

Instrument :

BNA\_N

ClientSampleId :

PB163828BS

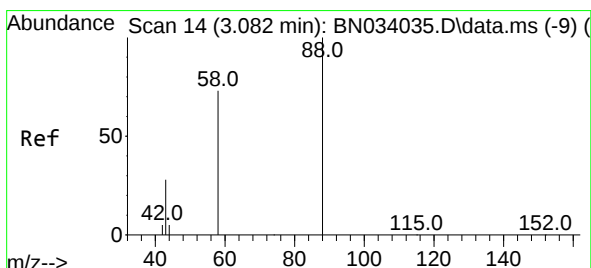
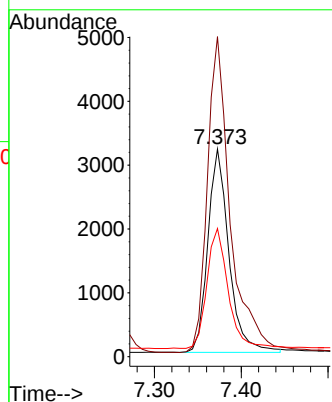


Tgt Ion:152 Resp: 5380  
Ion Ratio Lower Upper  
152 100  
150 154.1 124.6 187.0  
115 61.7 50.0 75.0

Manual Integrations

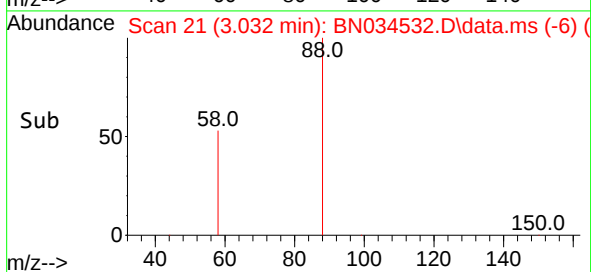
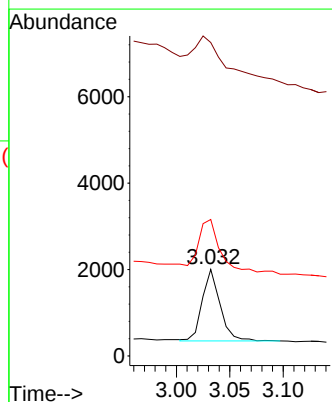
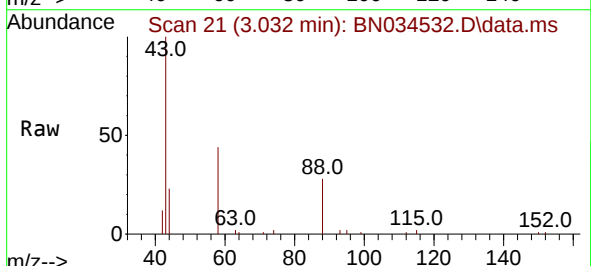
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Reviewed By :Jagrut Upadhyay 10/11/2024  
Supervised By :mohammad ahmed 10/14/2024



#2  
1,4-Dioxane  
Concen: 0.288 ng  
RT: 3.032 min Scan# 21  
Delta R.T. 0.007 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

Tgt Ion: 88 Resp: 1937  
Ion Ratio Lower Upper  
88 100  
43 119.1 25.8 38.8#  
58 97.3 58.8 88.2#





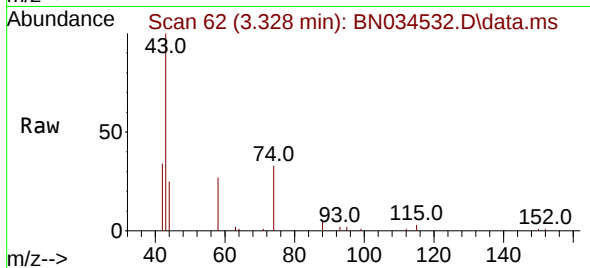
#3  
n-Nitrosodimethylamine  
Concen: 0.302 ng  
RT: 3.328 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

Instrument :

BNA\_N

ClientSampleId :

PB163828BS

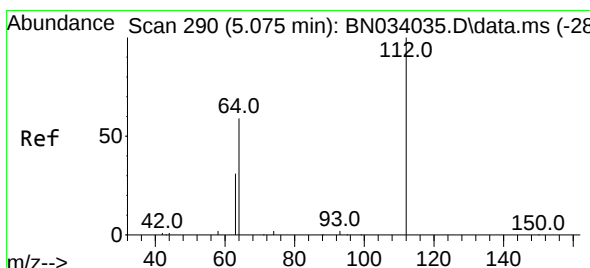
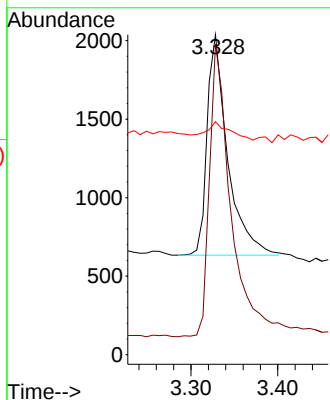
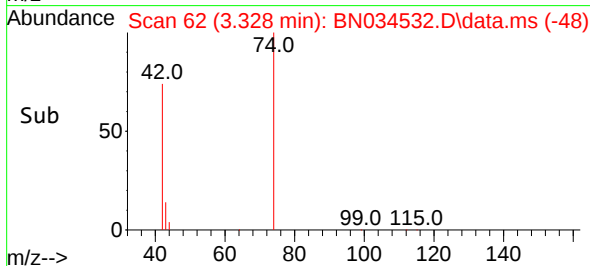


Tgt Ion: 42 Resp: 2309  
Ion Ratio Lower Upper  
42 100  
74 136.6 94.6 142.0  
44 9.4 12.4 18.6

Manual Integrations

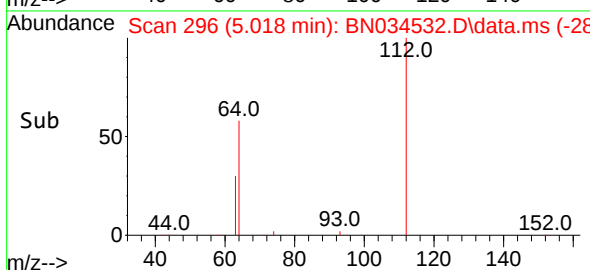
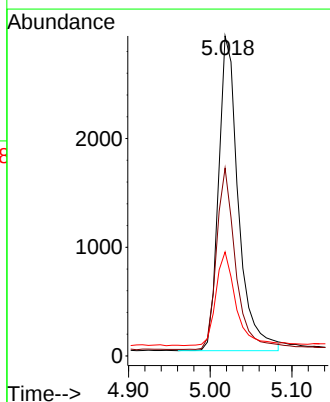
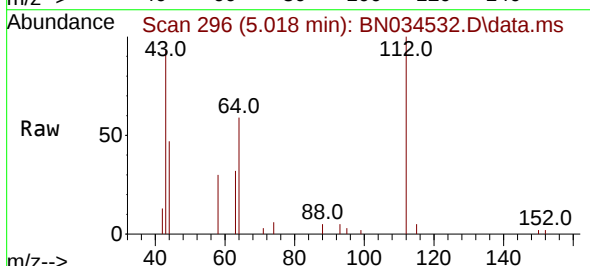
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Reviewed By :Jagrut Upadhyay 10/11/2024  
Supervised By :mohammad ahmed 10/14/2024



#4  
2-Fluorophenol  
Concen: 0.319 ng  
RT: 5.018 min Scan# 296  
Delta R.T. 0.007 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

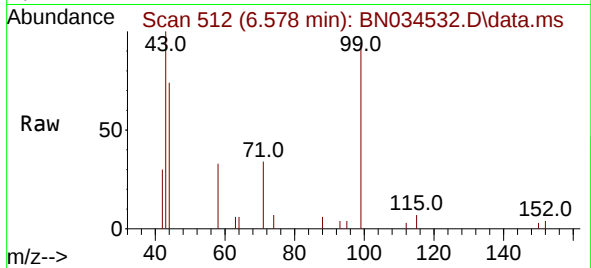
Tgt Ion:112 Resp: 4871  
Ion Ratio Lower Upper  
112 100  
64 55.8 48.6 72.8  
63 29.9 25.6 38.4





#5  
Phenol-d6  
Concen: 0.263 ng  
RT: 6.578 min Scan# 512  
Delta R.T. 0.007 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

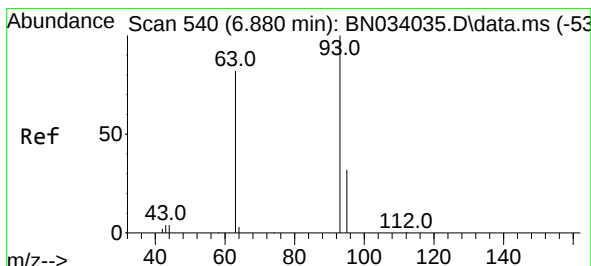
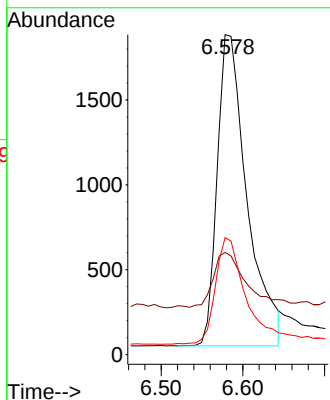
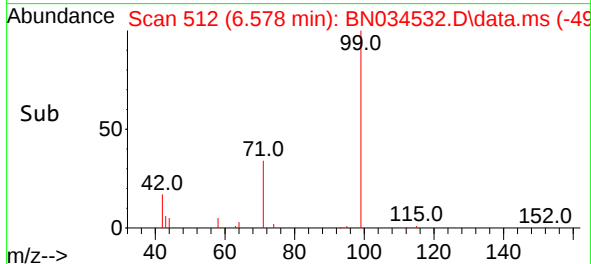
Instrument :  
BNA\_N  
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PB163828BS



Tgt Ion: 99 Resp: 4664  
Ion Ratio Lower Upper  
99 100  
42 19.1 17.8 26.8  
71 34.4 26.2 39.2

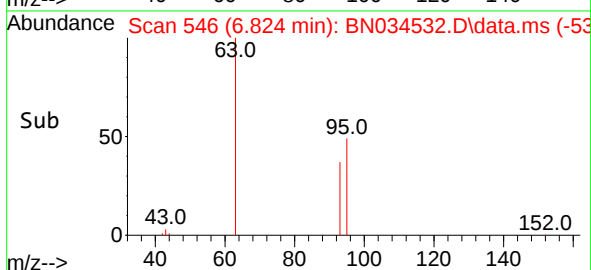
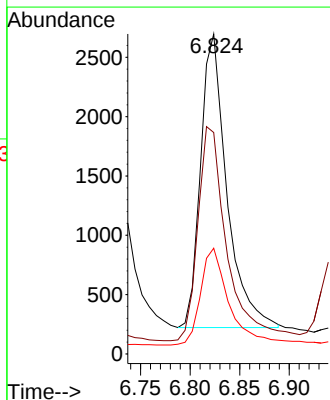
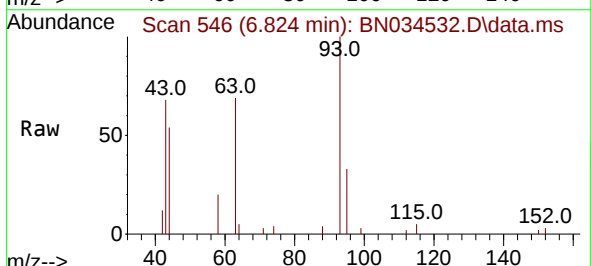
Manual Integrations  
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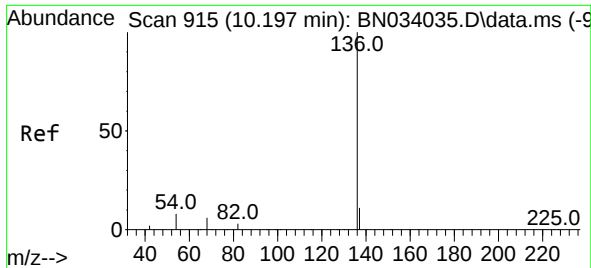
Reviewed By :Jagrut Upadhyay 10/11/2024  
Supervised By :mohammad ahmed 10/14/2024



#6  
bis(2-Chloroethyl)ether  
Concen: 0.290 ng  
RT: 6.824 min Scan# 546  
Delta R.T. 0.007 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

Tgt Ion: 93 Resp: 4552  
Ion Ratio Lower Upper  
93 100  
63 80.1 67.3 100.9  
95 35.6 26.8 40.2





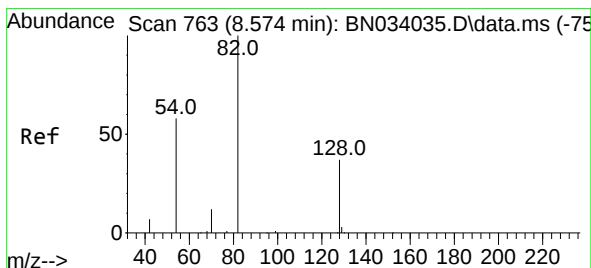
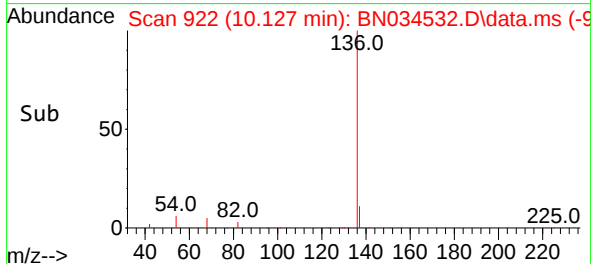
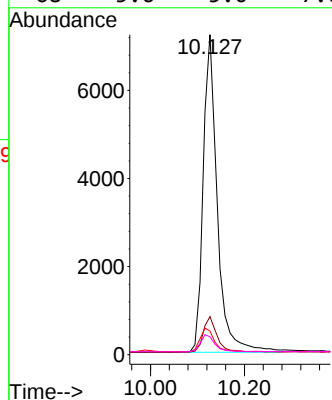
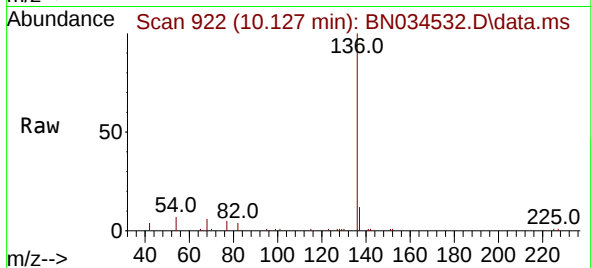
#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.127 min Scan# 915  
Delta R.T. -0.000 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

Instrument :  
BNA\_N  
ClientSampleId :  
PB163828BS

Tgt Ion:136 Resp: 1505  
Ion Ratio Lower Upper  
136 100  
137 11.9 9.0 13.6  
54 7.4 6.8 10.2  
68 5.6 5.0 7.6

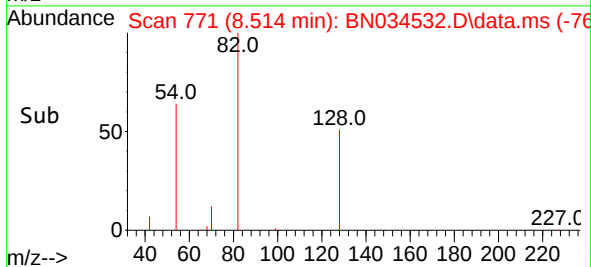
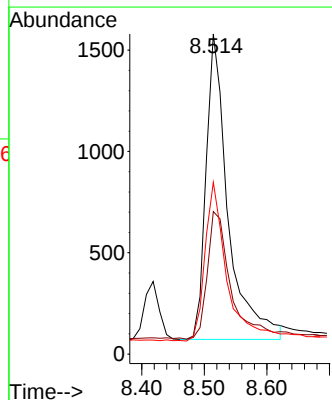
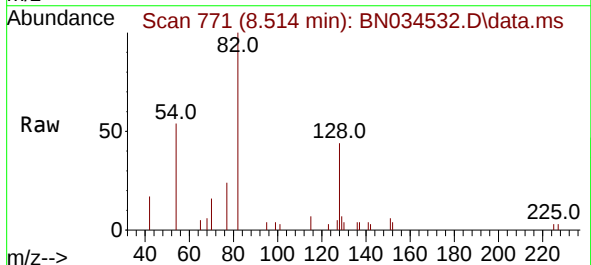
Manual Integrations  
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Reviewed By :Jagrut Upadhyay 10/11/2024  
Supervised By :mohammad ahmed 10/14/2024



#8  
Nitrobenzene-d5  
Concen: 0.321 ng  
RT: 8.514 min Scan# 771  
Delta R.T. -0.000 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

Tgt Ion: 82 Resp: 3694  
Ion Ratio Lower Upper  
82 100  
128 44.5 31.4 47.2  
54 53.7 47.4 71.0





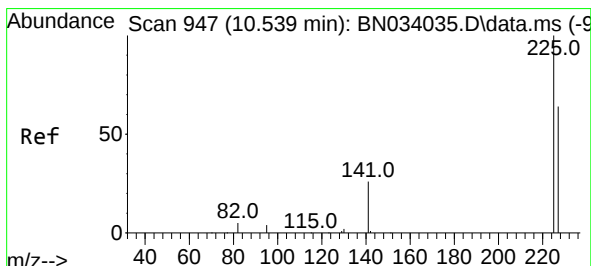
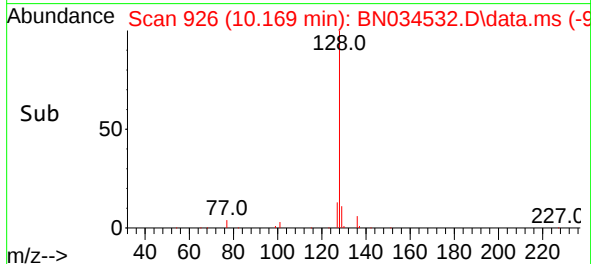
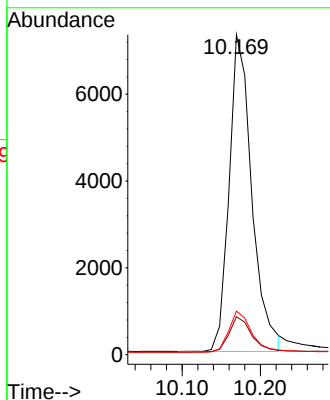
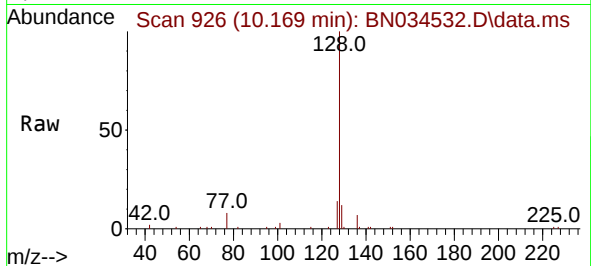
#9  
Naphthalene  
Concen: 0.357 ng  
RT: 10.169 min Scan# 919  
Delta R.T. -0.000 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

Instrument :  
BNA\_N  
ClientSampleId :  
PB163828BS

Tgt Ion:128 Resp: 14730  
Ion Ratio Lower Upper  
128 100  
129 11.9 9.2 13.8  
127 13.6 10.7 16.1

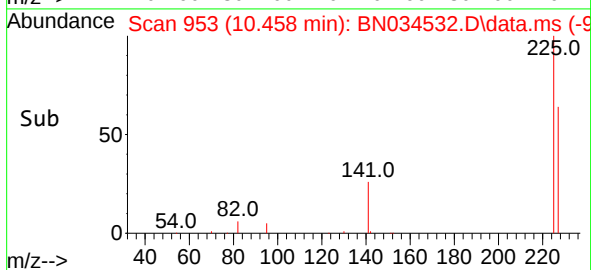
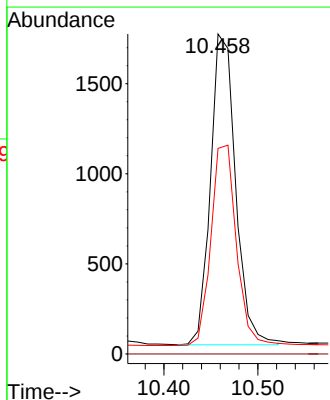
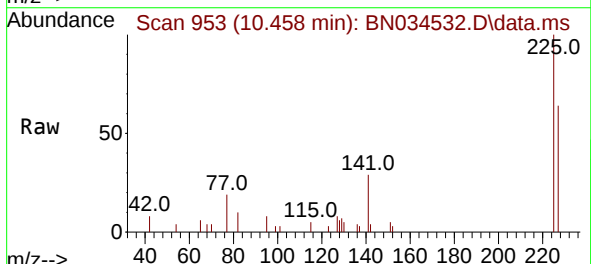
Manual Integrations  
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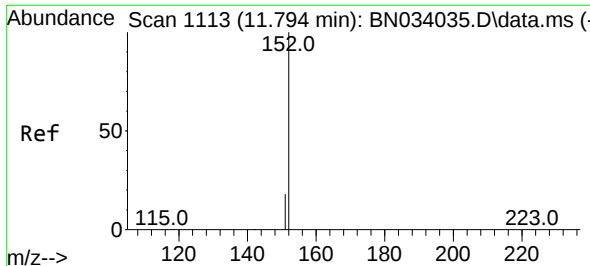
Reviewed By :Jagrut Upadhyay 10/11/2024  
Supervised By :mohammad ahmed 10/14/2024



#10  
Hexachlorobutadiene  
Concen: 0.413 ng  
RT: 10.458 min Scan# 953  
Delta R.T. -0.011 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

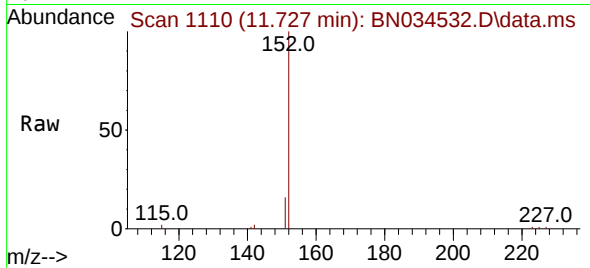
Tgt Ion:225 Resp: 3212  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 65.1 50.5 75.7





#11  
2-Methylnaphthalene-d10  
Concen: 0.504 ng  
RT: 11.727 min Scan# 1110  
Delta R.T. -0.000 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

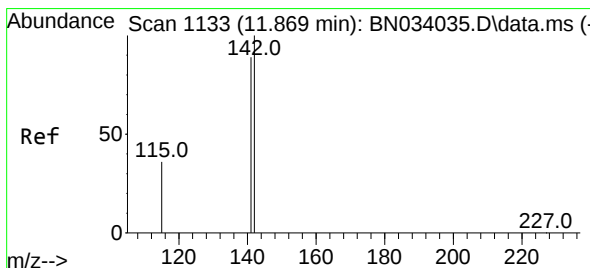
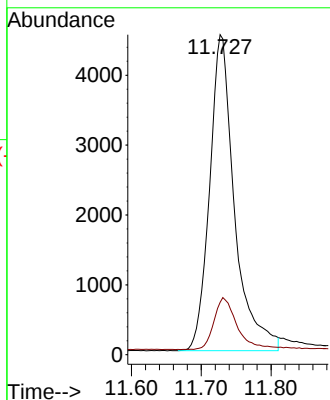
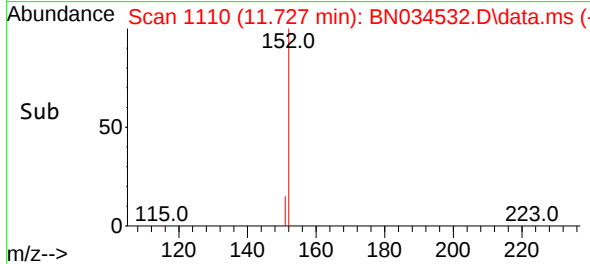
Instrument :  
BNA\_N  
ClientSampleId :  
PB163828BS



Tgt Ion:152 Resp: 1121  
Ion Ratio Lower Upper  
152 100  
151 15.4 16.8 25.2

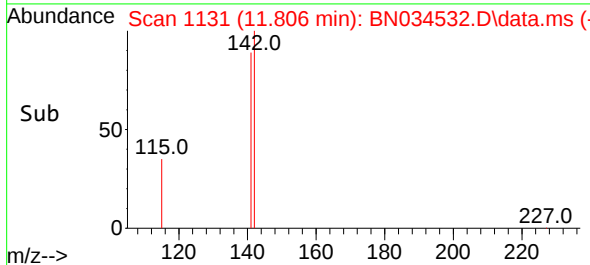
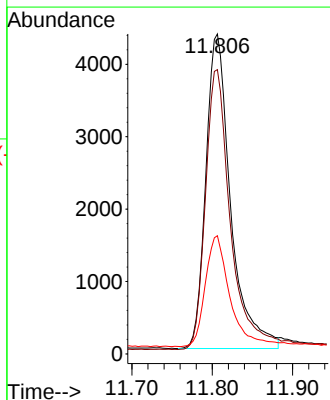
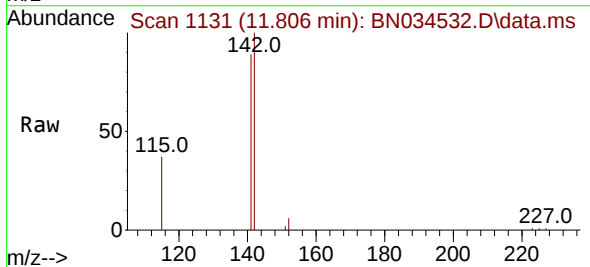
Manual Integrations  
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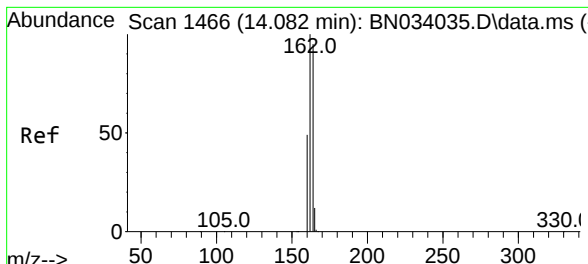
Reviewed By :Jagrut Upadhyay 10/11/2024  
Supervised By :mohammad ahmed 10/14/2024



#12  
2-Methylnaphthalene  
Concen: 0.347 ng  
RT: 11.806 min Scan# 1131  
Delta R.T. 0.004 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

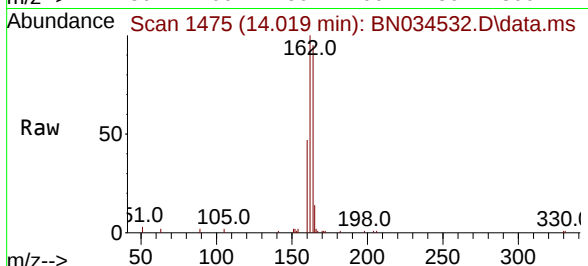
Tgt Ion:142 Resp: 9328  
Ion Ratio Lower Upper  
142 100  
141 88.8 71.6 107.4  
115 37.0 30.0 45.0





#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.019 min Scan# 14  
 Delta R.T. 0.004 min  
 Lab File: BN034532.D  
 Acq: 10 Oct 2024 21:43

Instrument : BNA\_N  
 ClientSampleId : PB163828BS

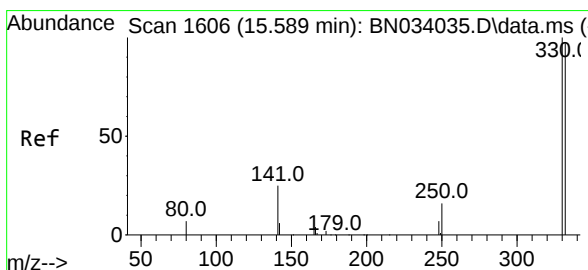
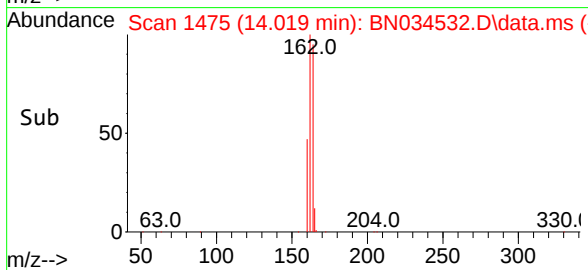
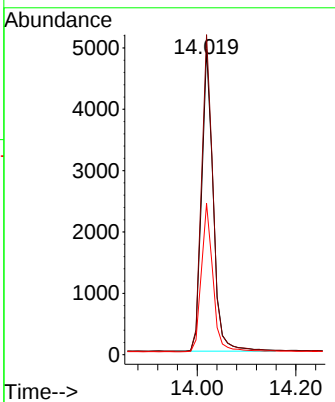


Tgt Ion:164 Resp: 801

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 104.8 | 84.2  | 126.2 |
| 160 | 49.5  | 41.7  | 62.5  |

Manual Integrations  
 APPROVED

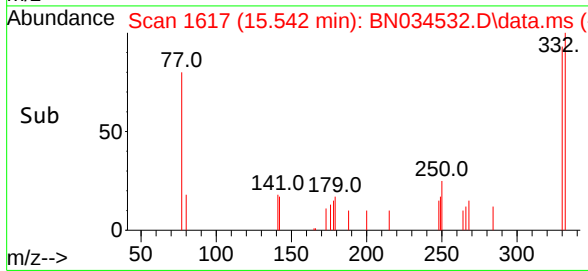
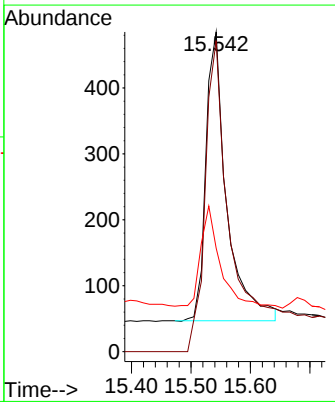
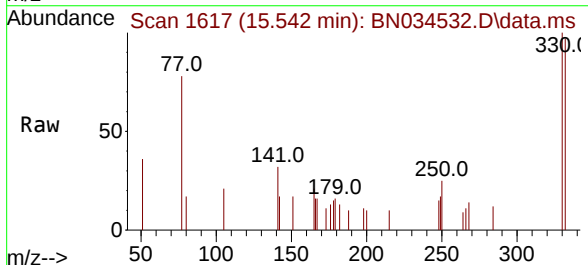
Reviewed By :Jagrut Upadhyay 10/11/2024  
 Supervised By :mohammad ahmed 10/14/2024



#14  
 2,4,6-Tribromophenol  
 Concen: 0.285 ng  
 RT: 15.542 min Scan# 1617  
 Delta R.T. 0.005 min  
 Lab File: BN034532.D  
 Acq: 10 Oct 2024 21:43

Tgt Ion:330 Resp: 1035

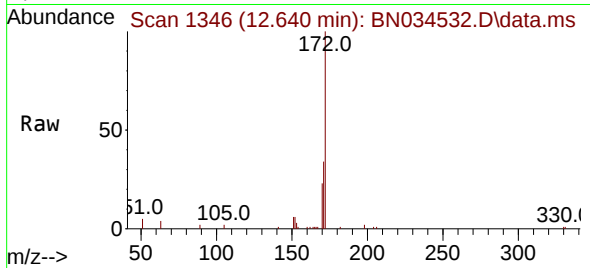
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 330 | 100   |       |        |
| 332 | 135.7 | 77.4  | 116.0# |
| 141 | 31.6  | 35.9  | 53.9#  |





#15  
2-Fluorobiphenyl  
Concen: 0.336 ng  
RT: 12.640 min Scan# 11  
Delta R.T. 0.004 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

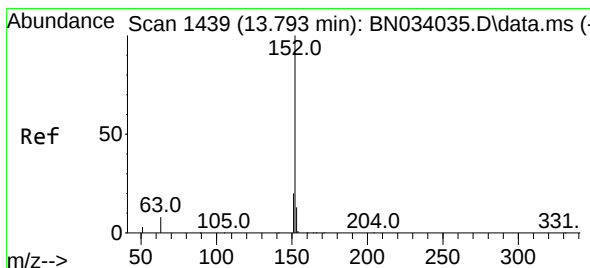
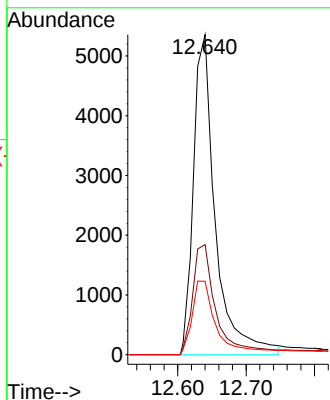
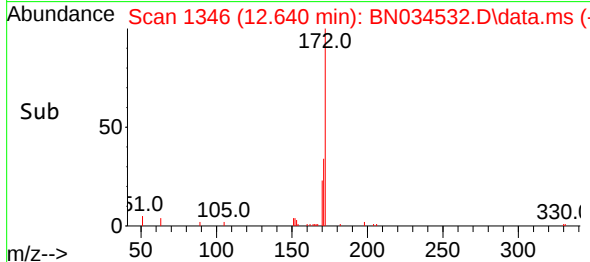
Instrument :  
BNA\_N  
ClientSampleId :  
PB163828BS



Tgt Ion:172 Resp: 10934  
Ion Ratio Lower Upper  
172 100  
171 34.4 27.3 40.9  
170 23.0 18.1 27.1

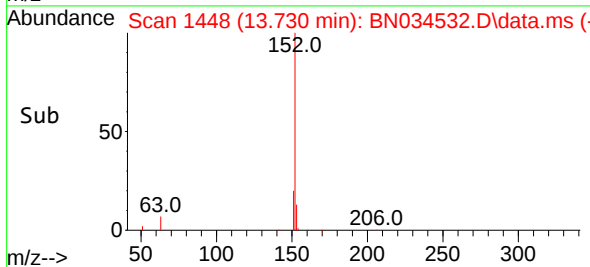
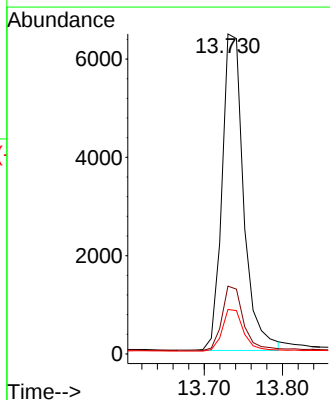
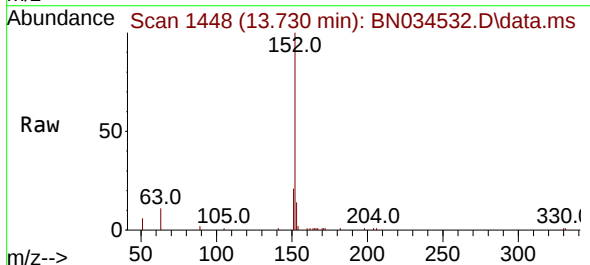
Manual Integrations  
APPROVED

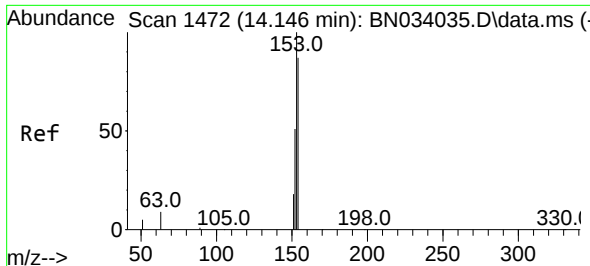
Reviewed By :Jagrut Upadhyay 10/11/2024  
Supervised By :mohammad ahmed 10/14/2024



#16  
Acenaphthylene  
Concen: 0.361 ng  
RT: 13.730 min Scan# 1448  
Delta R.T. -0.007 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

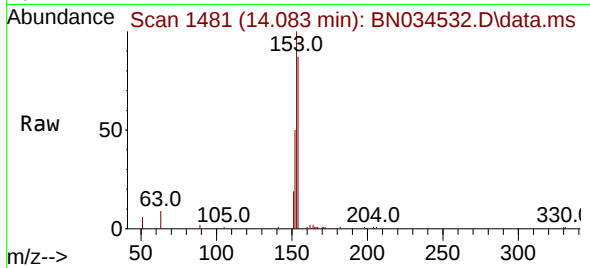
Tgt Ion:152 Resp: 12394  
Ion Ratio Lower Upper  
152 100  
151 19.8 15.6 23.4  
153 13.0 10.3 15.5





#17  
Acenaphthene  
Concen: 0.362 ng  
RT: 14.083 min Scan# 1472  
Delta R.T. 0.004 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

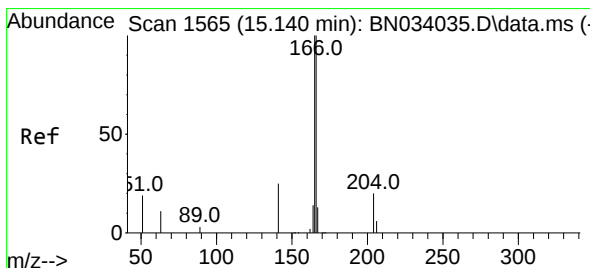
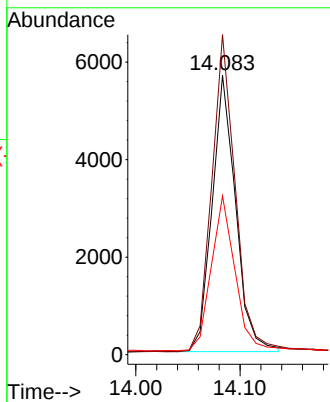
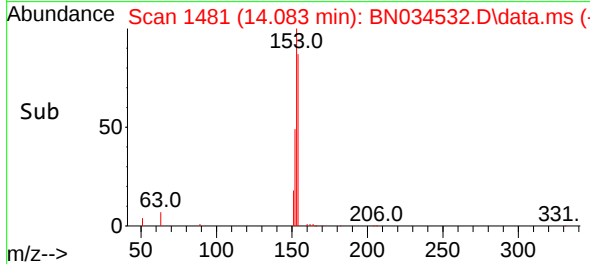
Instrument :  
BNA\_N  
ClientSampleId :  
PB163828BS



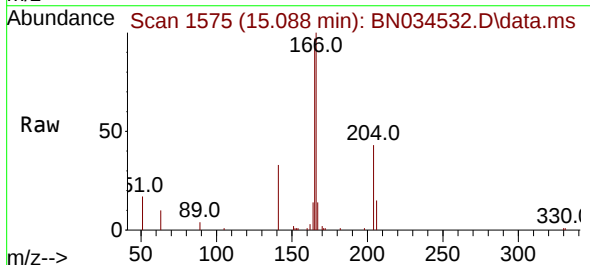
Tgt Ion:154 Resp: 8890  
Ion Ratio Lower Upper  
154 100  
153 114.4 91.6 137.4  
152 56.5 47.4 71.2

Manual Integrations  
APPROVED

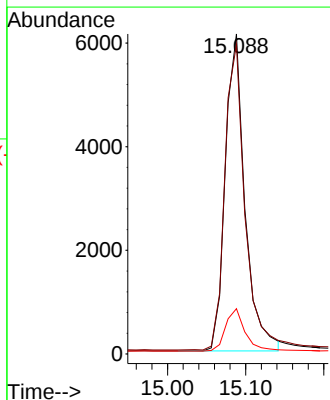
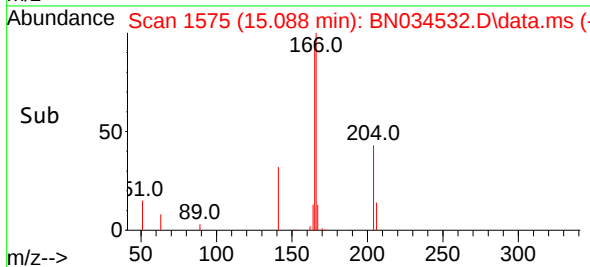
Reviewed By :Jagrut Upadhyay 10/11/2024  
Supervised By :mohammad ahmed 10/14/2024

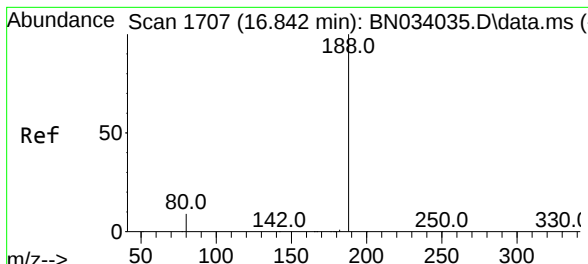


#18  
Fluorene  
Concen: 0.332 ng  
RT: 15.088 min Scan# 1575  
Delta R.T. 0.004 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43



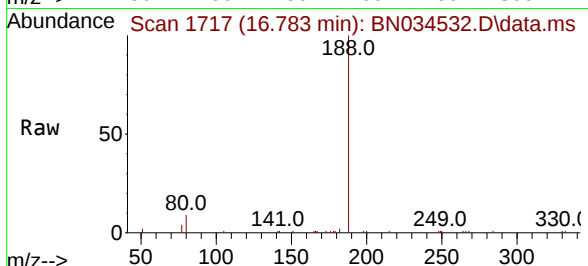
Tgt Ion:166 Resp: 10708  
Ion Ratio Lower Upper  
166 100  
165 98.3 79.1 118.7  
167 13.3 10.6 15.8





#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.783 min Scan# 11  
Delta R.T. 0.005 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

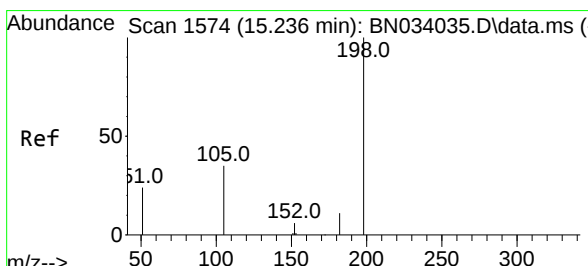
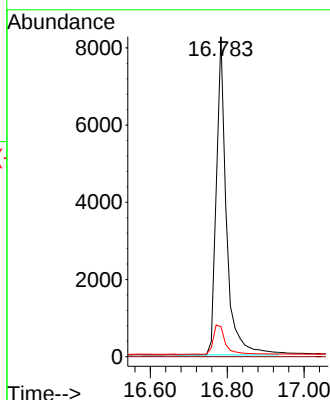
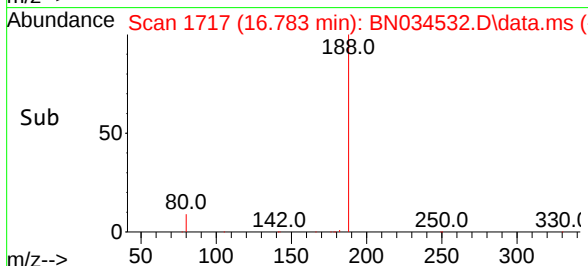
Instrument :  
BNA\_N  
ClientSampleId :  
PB163828BS



Tgt Ion:188 Resp: 1499  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.4 7.4 11.0

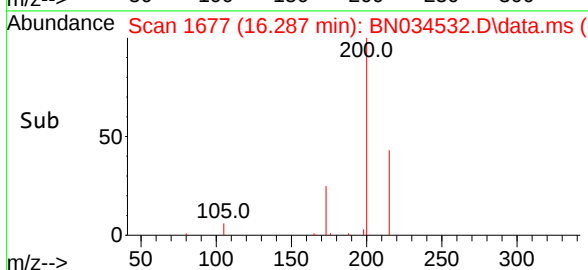
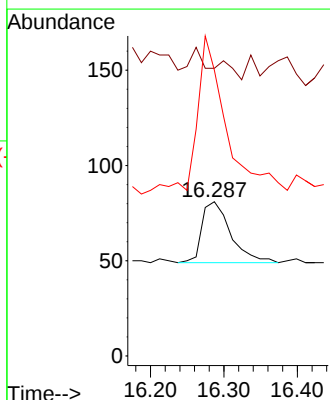
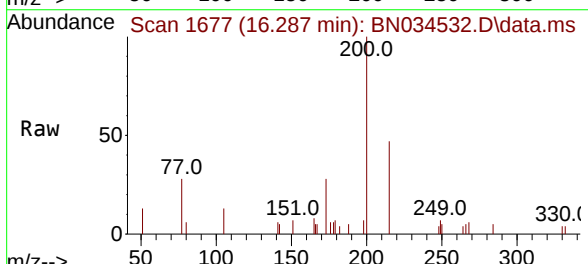
Manual Integrations  
APPROVED

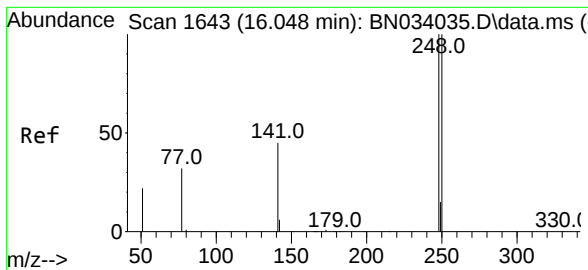
Reviewed By :Jagrut Upadhyay 10/11/2024  
Supervised By :mohammad ahmed 10/14/2024



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.169 ng  
RT: 16.287 min Scan# 1677  
Delta R.T. 0.005 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

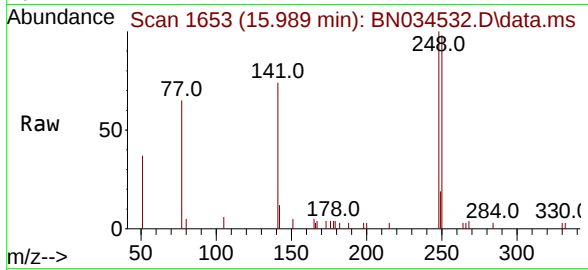
Tgt Ion:198 Resp: 87  
Ion Ratio Lower Upper  
198 100  
51 186.4 106.4 159.6#  
105 185.2 38.5 57.7#





#21  
4-Bromophenyl-phenylether  
Concen: 0.368 ng  
RT: 15.989 min Scan# 1653  
Delta R.T. 0.005 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

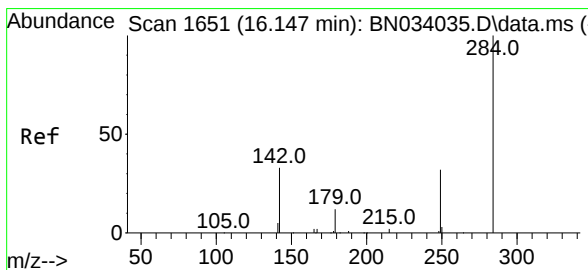
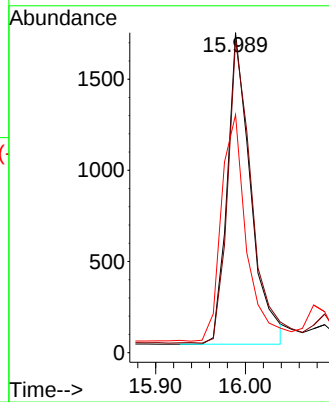
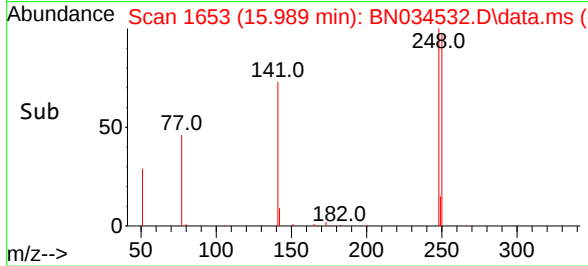
Instrument :  
BNA\_N  
ClientSampleId :  
PB163828BS



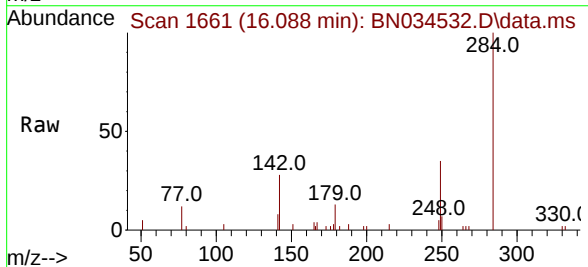
Tgt Ion:248 Resp: 310  
Ion Ratio Lower Upper  
248 100  
250 97.8 80.5 120.7  
141 74.4 37.1 55.7

Manual Integrations  
APPROVED

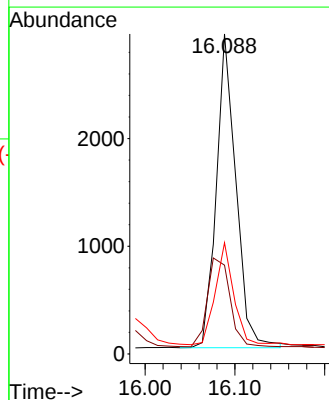
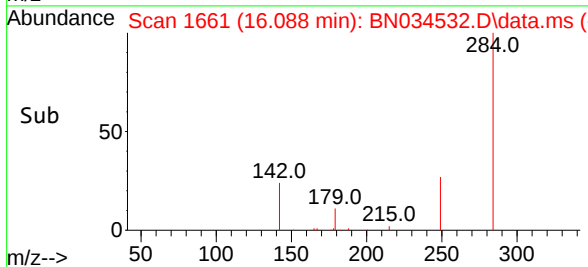
Reviewed By :Jagrut Upadhyay 10/11/2024  
Supervised By :mohammad ahmed 10/14/2024

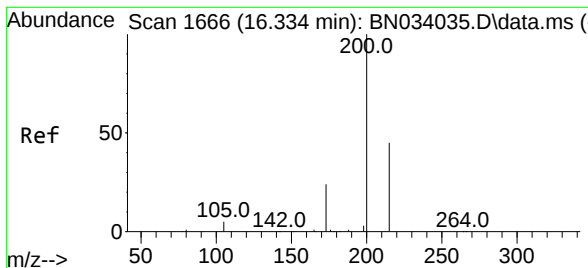


#22  
Hexachlorobenzene  
Concen: 0.470 ng  
RT: 16.088 min Scan# 1661  
Delta R.T. -0.007 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43



Tgt Ion:284 Resp: 4437  
Ion Ratio Lower Upper  
284 100  
142 32.5 34.5 51.7#  
249 30.3 25.8 38.6





#23

Atrazine

Concen: 0.353 ng

RT: 16.287 min Scan# 1666

Delta R.T. 0.005 min

Lab File: BN034532.D

Acq: 10 Oct 2024 21:43

Instrument :

BNA\_N

ClientSampleId :

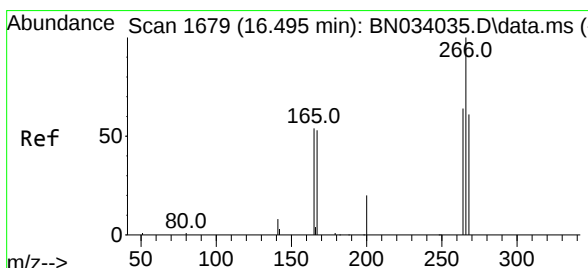
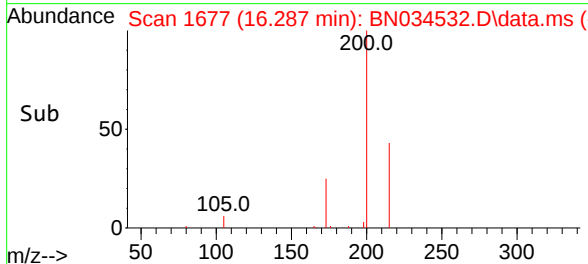
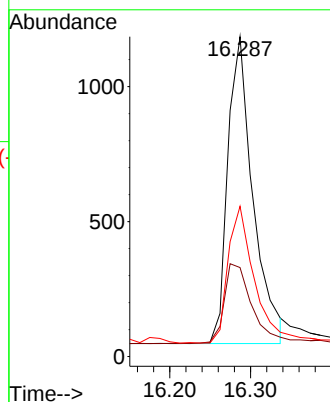
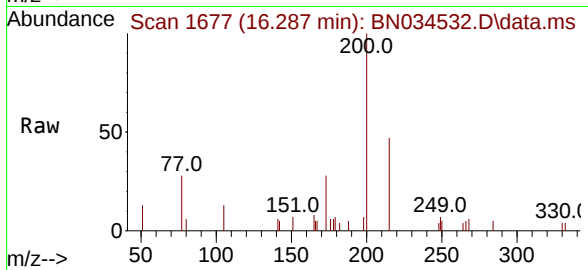
PB163828BS

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:200 | Resp: | 246       |
| Ion Ratio   | Lower | Upper     |
| 200         | 100   |           |
| 173         | 27.8  | 20.1 30.1 |
| 215         | 47.0  | 37.0 55.6 |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/11/2024  
Supervised By :mohammad ahmed 10/14/2024



#24

Pentachlorophenol

Concen: 0.417 ng

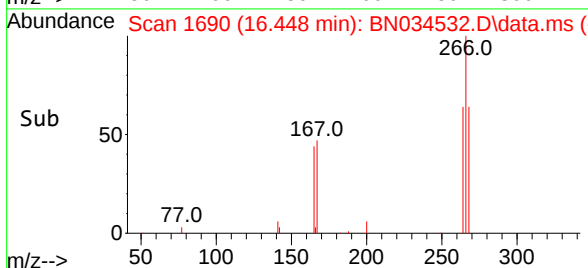
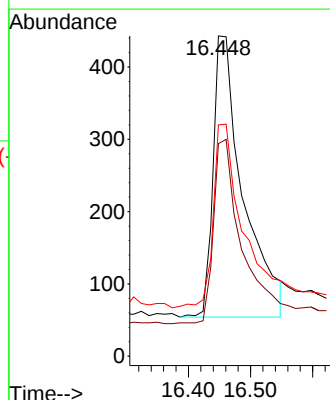
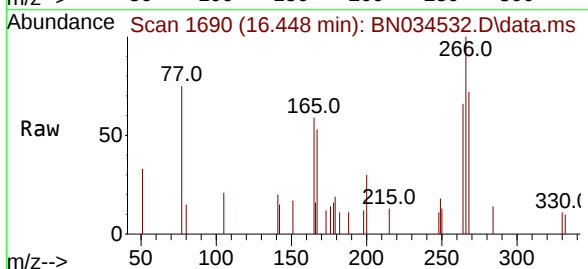
RT: 16.448 min Scan# 1690

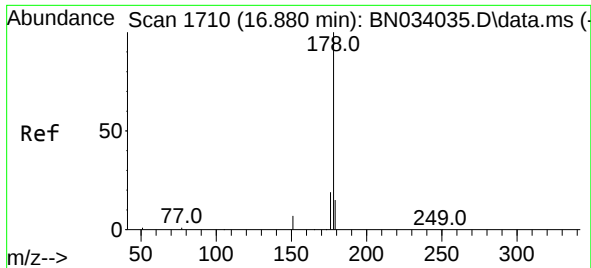
Delta R.T. 0.005 min

Lab File: BN034532.D

Acq: 10 Oct 2024 21:43

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:266 | Resp: | 1303      |
| Ion Ratio   | Lower | Upper     |
| 266         | 100   |           |
| 264         | 62.7  | 50.2 75.2 |
| 268         | 65.2  | 51.0 76.4 |





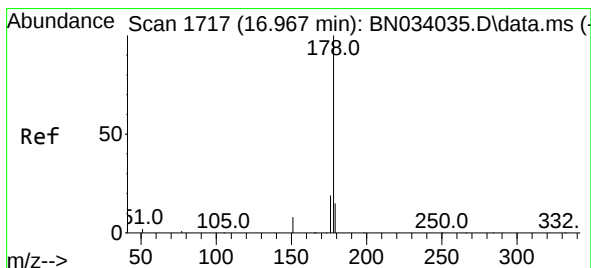
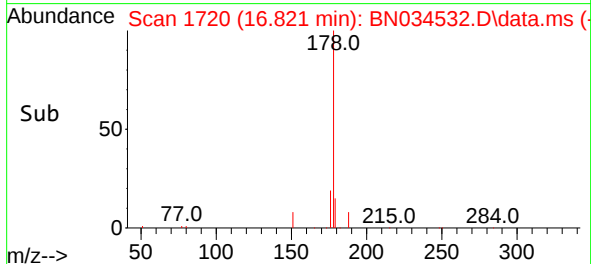
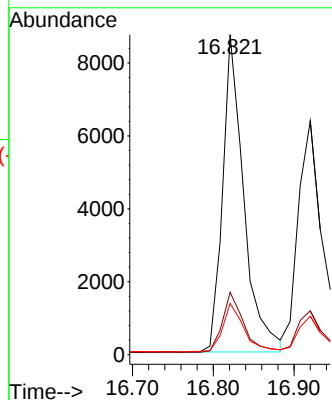
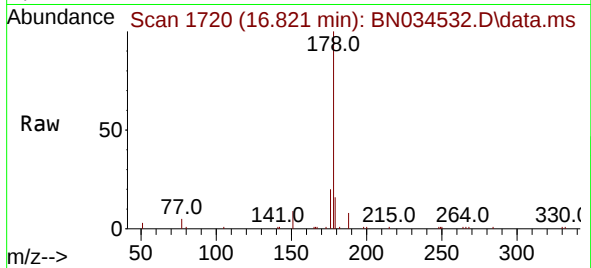
#25  
Phenanthrene  
Concen: 0.368 ng  
RT: 16.821 min Scan# 1710  
Delta R.T. -0.007 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

Instrument :  
BNA\_N  
ClientSampleId :  
PB163828BS

Tgt Ion:178 Resp: 1585  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.3 22.9  
179 15.5 12.1 18.1

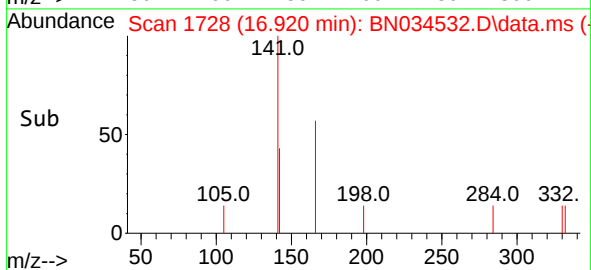
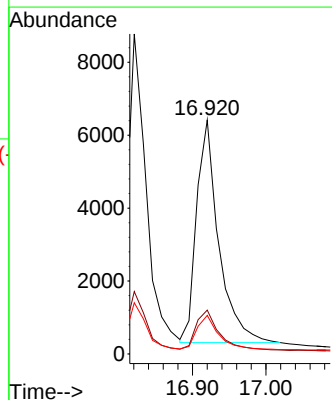
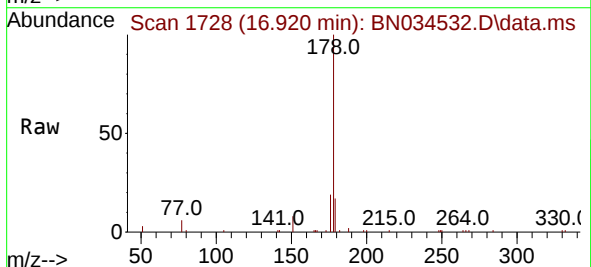
Manual Integrations  
APPROVED

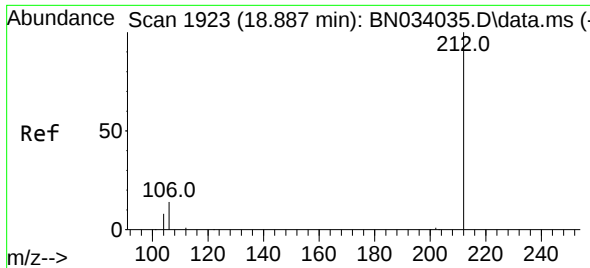
Reviewed By :Jagrut Upadhyay 10/11/2024  
Supervised By :mohammad ahmed 10/14/2024



#26  
Anthracene  
Concen: 0.365 ng  
RT: 16.920 min Scan# 1728  
Delta R.T. 0.005 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

Tgt Ion:178 Resp: 12810  
Ion Ratio Lower Upper  
178 100  
176 18.5 15.0 22.6  
179 15.3 12.2 18.4





#27  
Fluoranthene-d10  
Concen: 0.347 ng  
RT: 18.829 min Scan# 1925  
Delta R.T. 0.002 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

Instrument :

BNA\_N

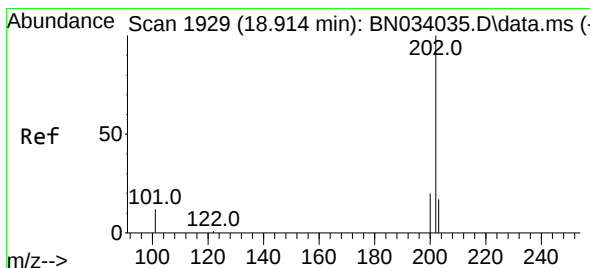
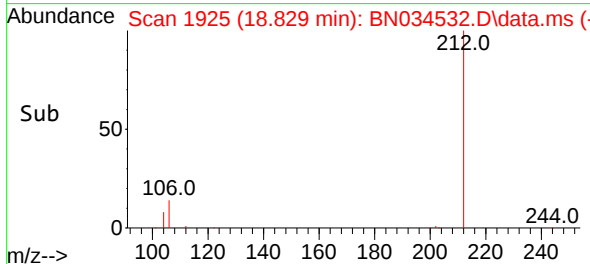
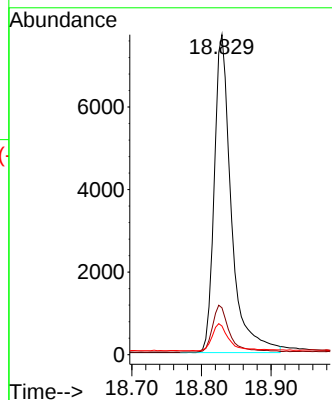
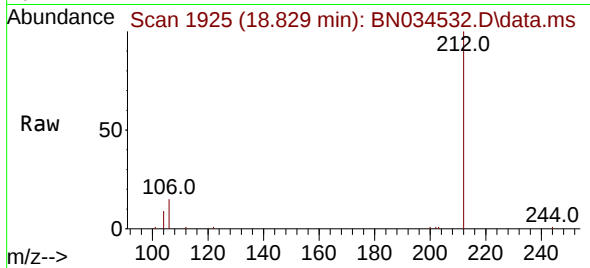
ClientSampleId :

PB163828BS

Tgt Ion:212 Resp: 13134  
Ion Ratio Lower Upper  
212 100  
106 14.6 13.4 20.2  
104 8.2 7.8 11.6

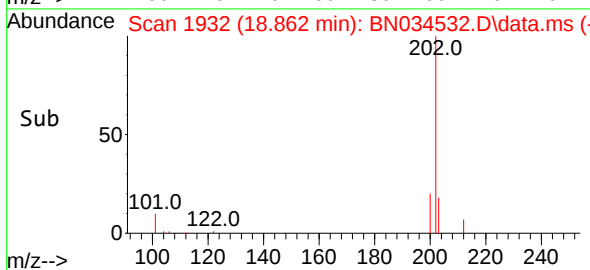
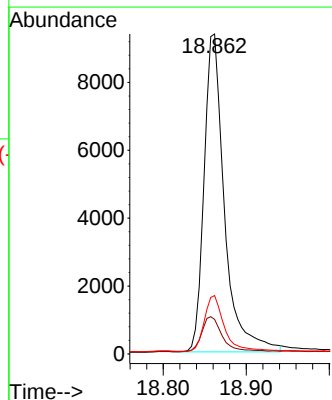
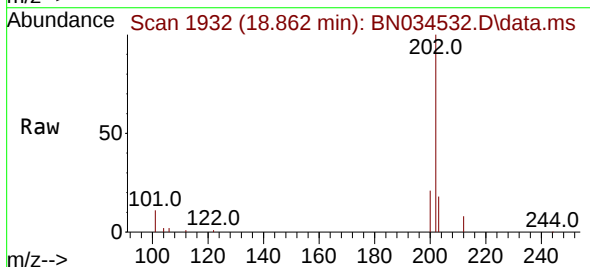
Manual Integrations  
APPROVED

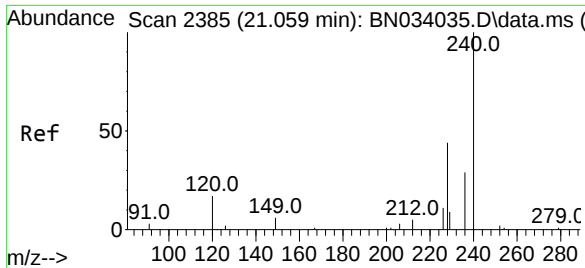
Reviewed By :Jagrut Upadhyay 10/11/2024  
Supervised By :mohammad ahmed 10/14/2024



#28  
Fluoranthene  
Concen: 0.322 ng  
RT: 18.862 min Scan# 1932  
Delta R.T. 0.007 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

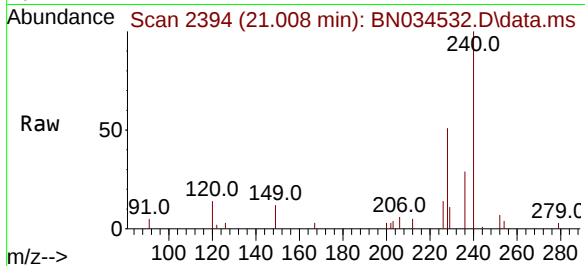
Tgt Ion:202 Resp: 16050  
Ion Ratio Lower Upper  
202 100  
101 11.1 10.1 15.1  
203 17.1 13.6 20.4





#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.008 min Scan# 21  
Delta R.T. 0.002 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

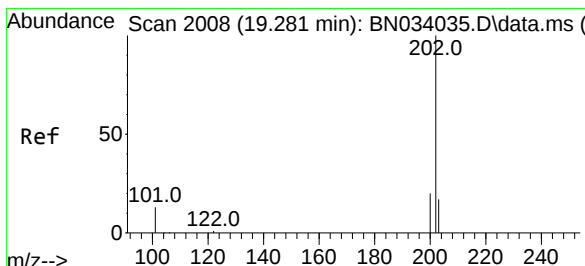
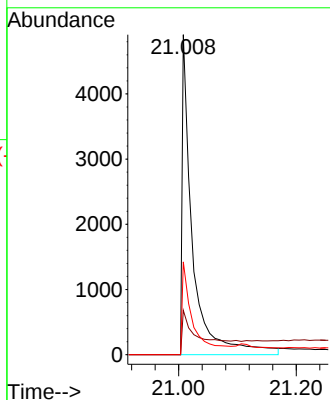
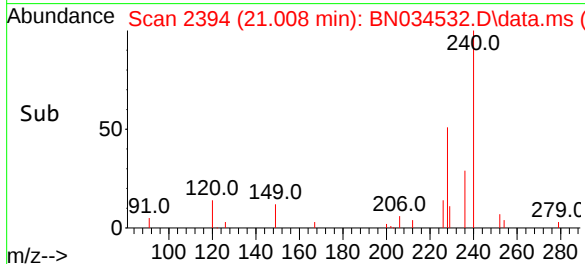
Instrument :  
BNA\_N  
ClientSampleId :  
PB163828BS



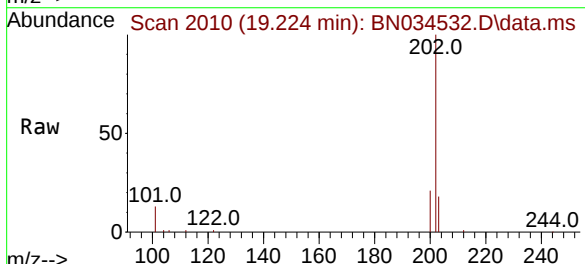
Tgt Ion:240 Resp: 6340  
Ion Ratio Lower Upper  
240 100  
120 13.8 13.5 20.3  
236 29.0 23.4 35.0

Manual Integrations  
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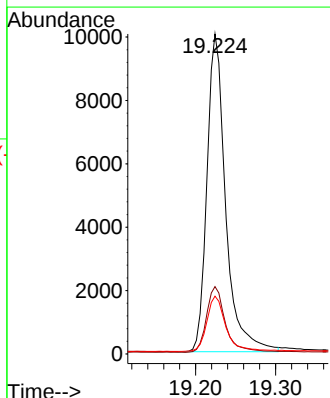
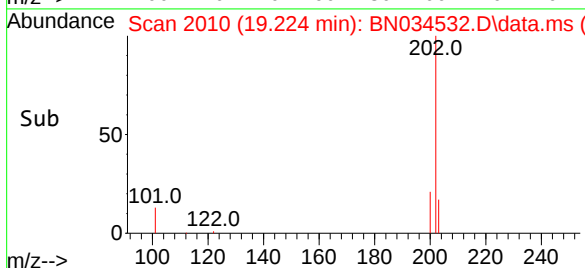
Reviewed By :Jagrut Upadhyay 10/11/2024  
Supervised By :mohammad ahmed 10/14/2024

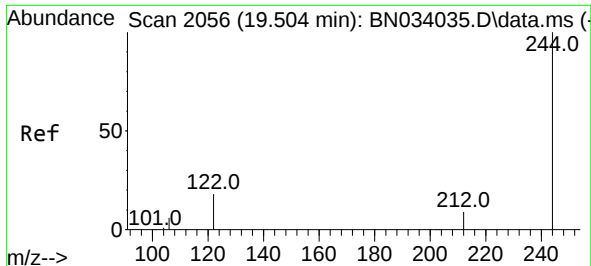


#30  
Pyrene  
Concen: 0.608 ng  
RT: 19.224 min Scan# 2010  
Delta R.T. 0.002 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43



Tgt Ion:202 Resp: 16296  
Ion Ratio Lower Upper  
202 100  
200 20.7 16.6 25.0  
203 17.6 14.3 21.5





#31  
 Terphenyl-d14  
 Concen: 0.673 ng  
 RT: 19.452 min Scan# 2056  
 Delta R.T. 0.002 min  
 Lab File: BN034532.D  
 Acq: 10 Oct 2024 21:43

Instrument :

BNA\_N

ClientSampleId :

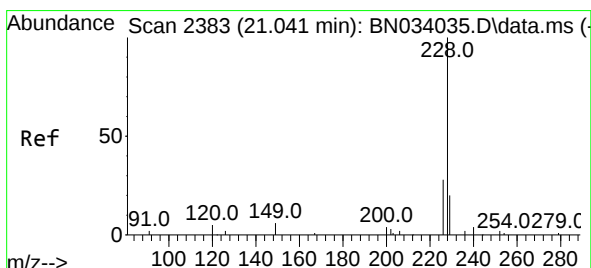
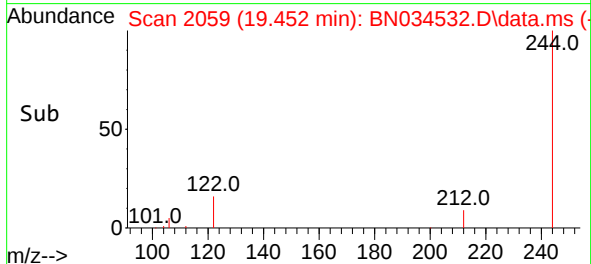
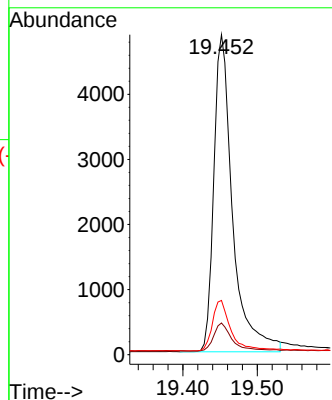
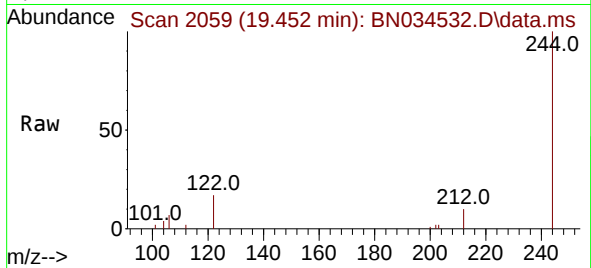
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Tgt Ion:244 Resp: 852  
 Ion Ratio Lower Upper  
 244 100  
 212 9.9 7.8 11.6  
 122 16.9 14.8 22.2

Manual Integrations

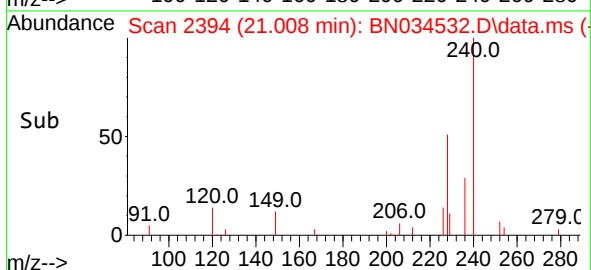
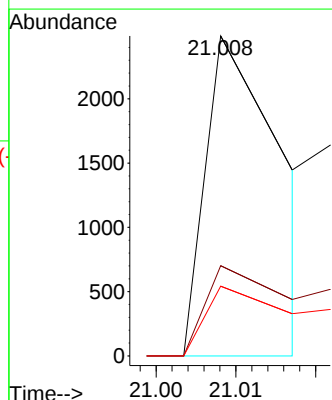
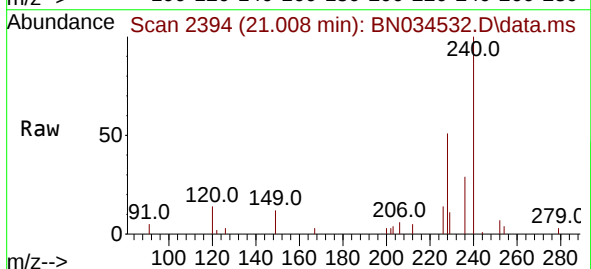
APPROVED

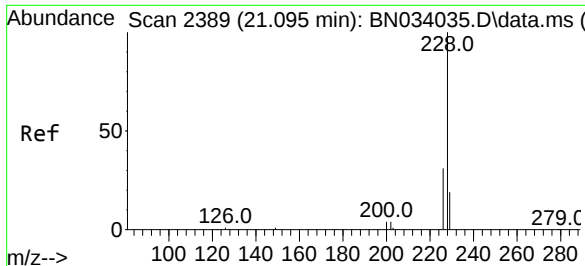
Reviewed By :Jagrut Upadhyay 10/11/2024  
 Supervised By :mohammad ahmed 10/14/2024



#32  
 Benzo(a)anthracene  
 Concen: 0.080 ng m  
 RT: 21.008 min Scan# 2394  
 Delta R.T. 0.002 min  
 Lab File: BN034532.D  
 Acq: 10 Oct 2024 21:43

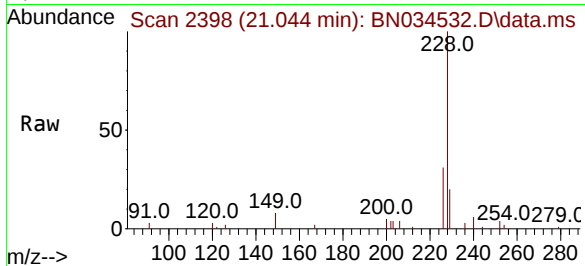
Tgt Ion:228 Resp: 1605  
 Ion Ratio Lower Upper  
 228 100  
 226 28.2 22.3 33.5  
 229 21.8 15.7 23.5





#33  
Chrysene  
Concen: 0.534 ng m  
RT: 21.044 min Scan# 2104  
Delta R.T. 0.002 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

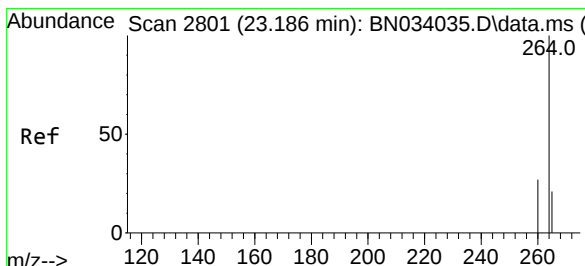
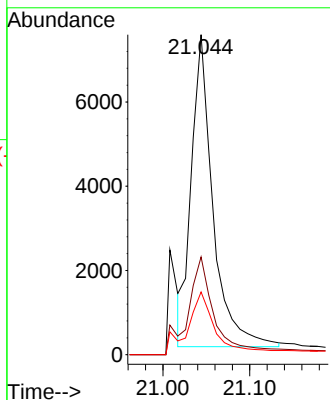
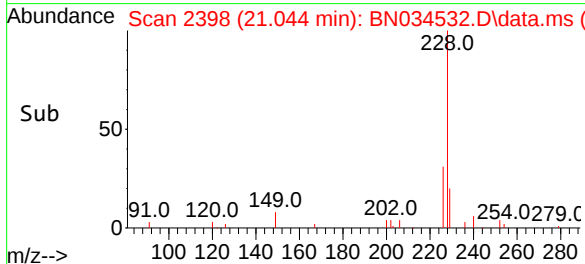
Instrument :  
BNA\_N  
ClientSampleId :  
PB163828BS



Tgt Ion:228 Resp: 1278  
Ion Ratio Lower Upper  
228 100  
226 30.5 24.6 37.0  
229 19.6 15.5 23.3

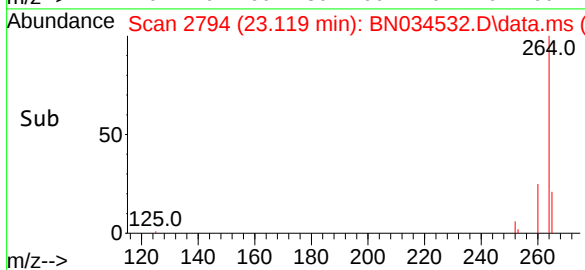
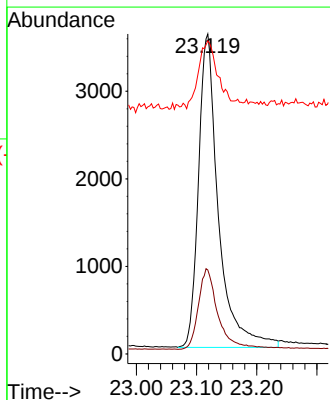
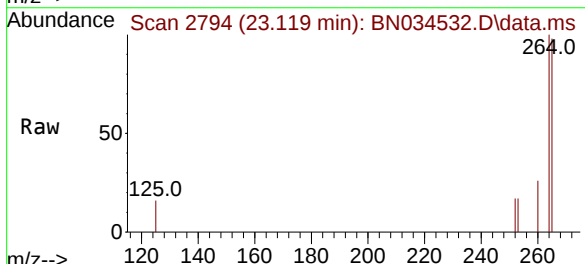
Manual Integrations  
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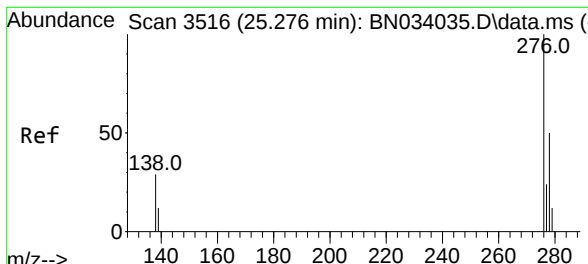
Reviewed By :Jagrut Upadhyay 10/11/2024  
Supervised By :mohammad ahmed 10/14/2024



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.119 min Scan# 2794  
Delta R.T. 0.005 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

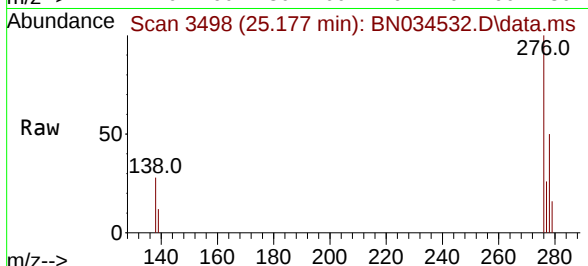
Tgt Ion:264 Resp: 8226  
Ion Ratio Lower Upper  
264 100  
260 26.3 21.7 32.5  
265 97.8 52.1 78.1#





#36  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.446 ng  
 RT: 25.177 min Scan# 3498  
 Delta R.T. 0.008 min  
 Lab File: BN034532.D  
 Acq: 10 Oct 2024 21:43

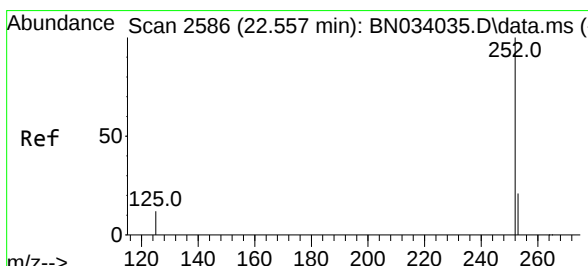
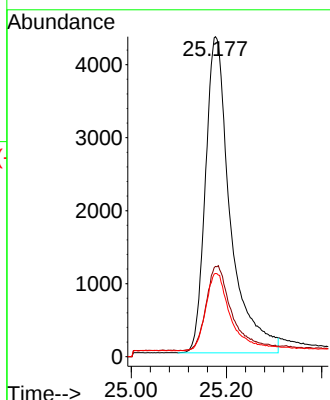
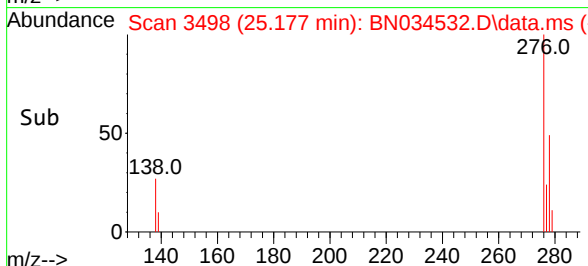
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB163828BS



Tgt Ion: 276 Resp: 1573  
 Ion Ratio Lower Upper  
 276 100  
 138 28.3 25.9 38.9  
 277 25.1 19.7 29.5

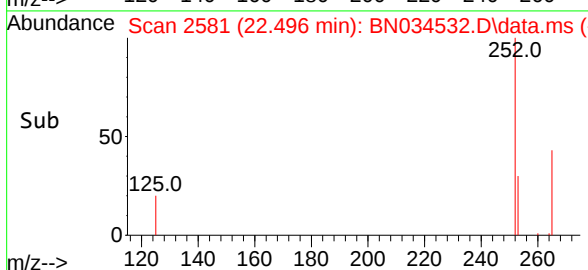
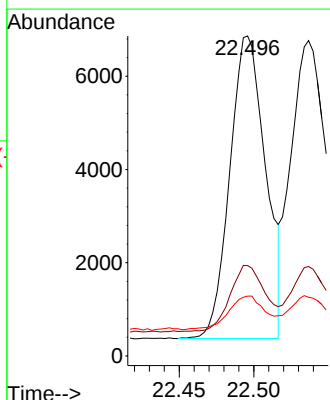
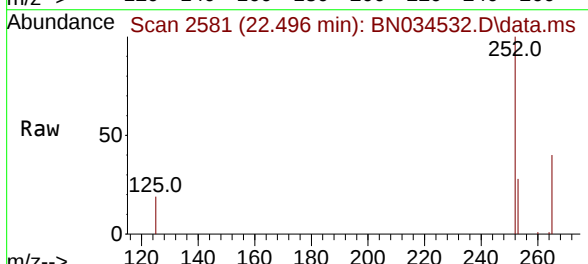
Manual Integrations  
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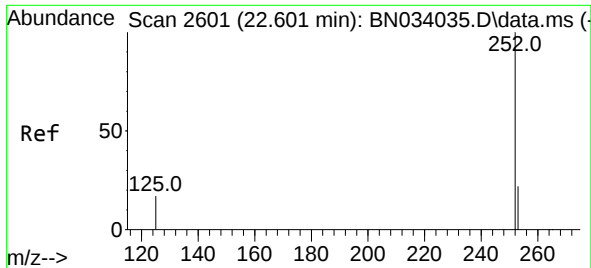
Reviewed By :Jagrut Upadhyay 10/11/2024  
 Supervised By :mohammad ahmed 10/14/2024



#37  
 Benzo(b)fluoranthene  
 Concen: 0.336 ng  
 RT: 22.496 min Scan# 2581  
 Delta R.T. 0.002 min  
 Lab File: BN034532.D  
 Acq: 10 Oct 2024 21:43

Tgt Ion: 252 Resp: 10816  
 Ion Ratio Lower Upper  
 252 100  
 253 28.2 19.6 29.4  
 125 18.7 13.8 20.8





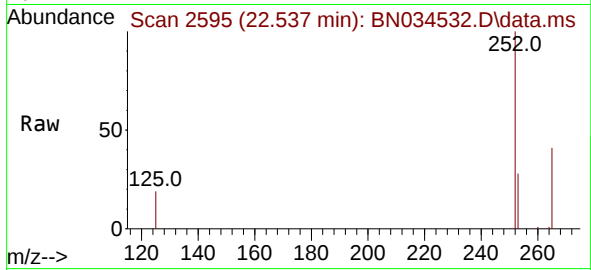
#38  
Benzo(k)fluoranthene  
Concen: 0.383 ng  
RT: 22.537 min Scan# 21  
Delta R.T. 0.002 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

Instrument :

BNA\_N

ClientSampleId :

PB163828BS

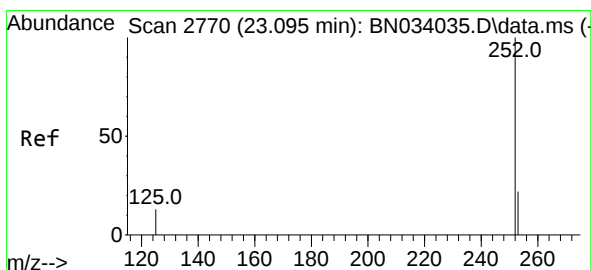
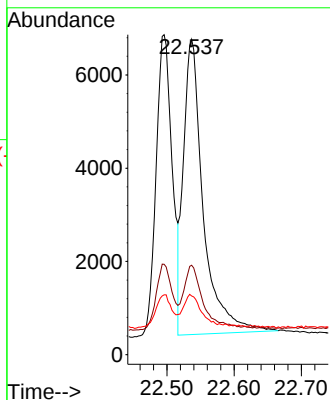
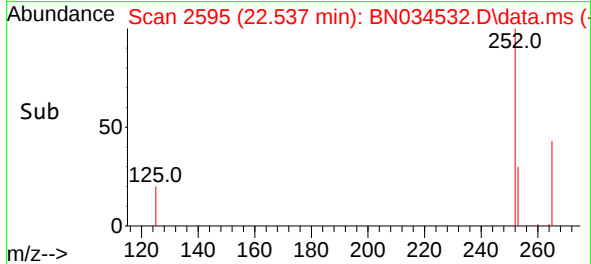


Tgt Ion:252 Resp: 12950  
Ion Ratio Lower Upper  
252 100  
253 28.4 20.1 30.1  
125 18.6 16.8 25.2

Manual Integrations

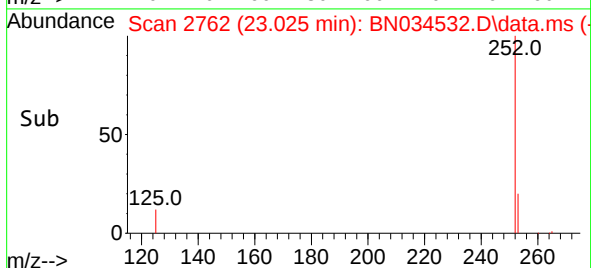
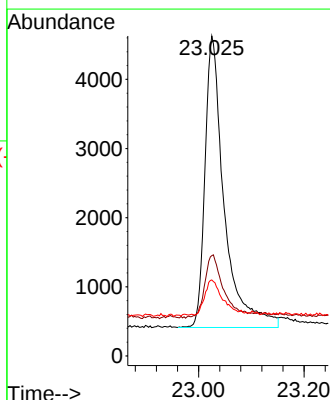
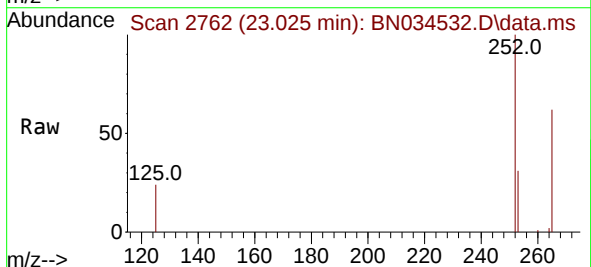
APPROVED

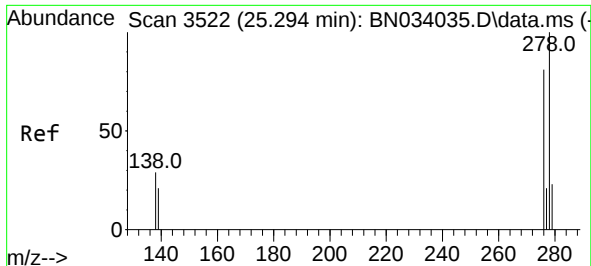
Reviewed By :Jagrut Upadhyay 10/11/2024  
Supervised By :mohammad ahmed 10/14/2024



#39  
Benzo(a)pyrene  
Concen: 0.407 ng  
RT: 23.025 min Scan# 2762  
Delta R.T. 0.002 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

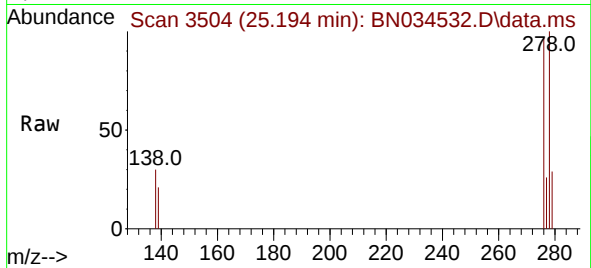
Tgt Ion:252 Resp: 10678  
Ion Ratio Lower Upper  
252 100  
253 31.3 21.8 32.8  
125 23.8 17.5 26.3





#40  
Dibenzo(a,h)anthracene  
Concen: 0.436 ng  
RT: 25.194 min Scan# 31  
Delta R.T. 0.008 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

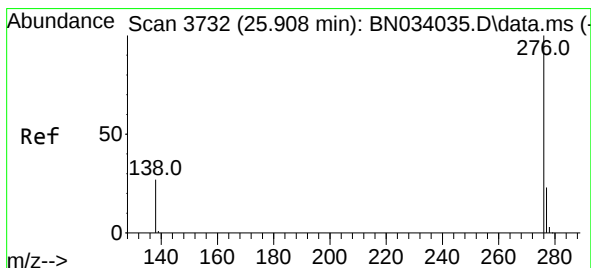
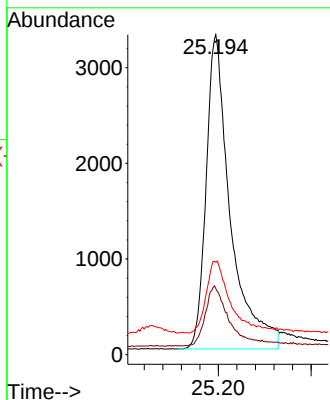
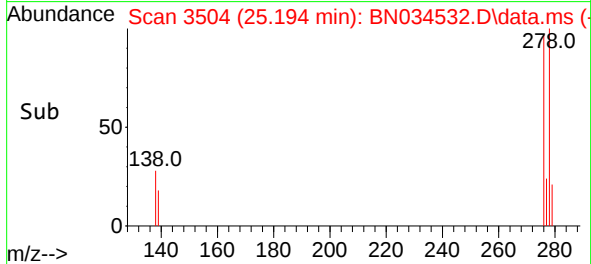
Instrument :  
BNA\_N  
ClientSampleId :  
PB163828BS



Tgt Ion:278 Resp: 1194  
Ion Ratio Lower Upper  
278 100  
139 20.7 17.8 26.8  
279 28.8 21.0 31.6

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 10/11/2024  
Supervised By :mohammad ahmed 10/14/2024



#41  
Benzo(g,h,i)perylene  
Concen: 0.440 ng  
RT: 25.797 min Scan# 3710  
Delta R.T. 0.002 min  
Lab File: BN034532.D  
Acq: 10 Oct 2024 21:43

Tgt Ion:276 Resp: 13530  
Ion Ratio Lower Upper  
276 100  
277 25.3 19.3 28.9  
138 25.6 22.6 34.0

