

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080223\  
 Data File : BF134574.D  
 Acq On : 02 Aug 2023 11:54  
 Operator : CG\JU  
 Sample : 03681-04  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RPTP-2-CS-2

Quant Time: Aug 02 13:21:36 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF080123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 02 02:20:34 2023  
 Response via : Initial Calibration

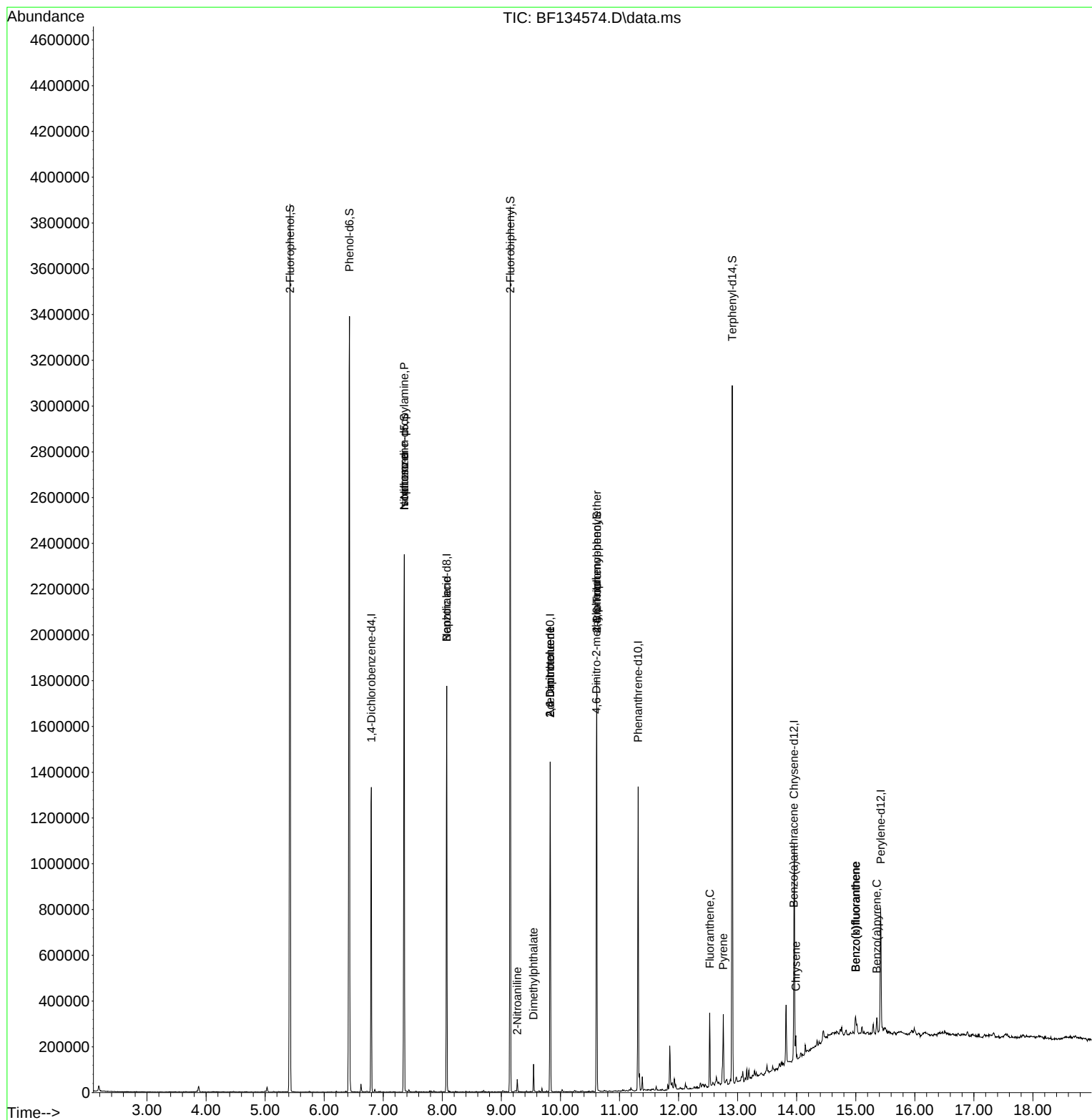
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.798  | 152  | 192408   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.075  | 136  | 665592   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.827  | 164  | 255213   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.316 | 188  | 426305   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.957 | 240  | 297584   | 20.000    | ng    | # 0.00   |
| 86) Perylene-d12              | 15.421 | 264  | 242707   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.422  | 112  | 1065138  | 84.150    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.428  | 99   | 1275959  | 78.859    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.357  | 82   | 700022   | 65.725    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 198397   | 76.258    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.151  | 172  | 1032908  | 67.293    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.910 | 244  | 984780   | 58.338    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.345  | 77   | 242      | Below Cal | #     | 37       |
| 19) n-Nitroso-di-n-propyla... | 7.357  | 70   | 92560    | 9.555 ng  | #     | 75       |
| 25) Isophorone                | 7.357  | 82   | 699904   | 30.129 ng | #     | 65       |
| 32) Benzoic acid              | 8.075  | 122  | 73       | 7.876 ng  | #     | 1        |
| 48) 2-Nitroaniline            | 9.269  | 65   | 678      | 3.303 ng  | #     | 8        |
| 50) Dimethylphthalate         | 9.545  | 163  | 37073    | 2.131 ng  |       | 98       |
| 51) 2,6-Dinitrotoluene        | 9.827  | 165  | 32901    | 11.247 ng | #     | 17       |
| 57) 2,4-Dinitrotoluene        | 9.827  | 165  | 32901    | 10.040 ng | #     | 18       |
| 65) 4,6-Dinitro-2-methylph... | 10.610 | 198  | 306      | 8.844 ng  | #     | 1        |
| 67) 4-Bromophenyl-phenylether | 10.616 | 248  | 12492    | 2.677 ng  | #     | 1        |
| 75) Fluoranthene              | 12.527 | 202  | 118108   | 4.938 ng  |       | 96       |
| 78) Pyrene                    | 12.757 | 202  | 109517   | 4.253 ng  |       | 98       |
| 81) Benzo(a)anthracene        | 13.951 | 228  | 49996    | 2.350 ng  |       | 92       |
| 83) Chrysene                  | 13.986 | 228  | 41862    | 2.019 ng  |       | 98       |
| 88) Benzo(b)fluoranthene      | 14.998 | 252  | 54903    | 3.709 ng  | #     | 91       |
| 89) Benzo(k)fluoranthene      | 14.998 | 252  | 54903    | 3.723 ng  | #     | 93       |
| 90) Benzo(a)pyrene            | 15.357 | 252  | 30429    | 2.205 ng  | #     | 86       |
| -----                         |        |      |          |           |       |          |

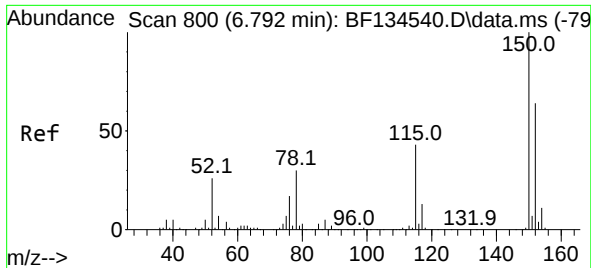
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080223\  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 02 02:20:34 2023  
Response via : Initial Calibration

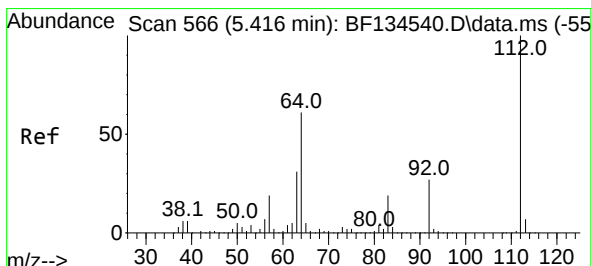
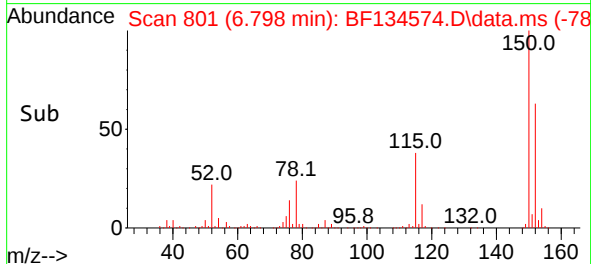
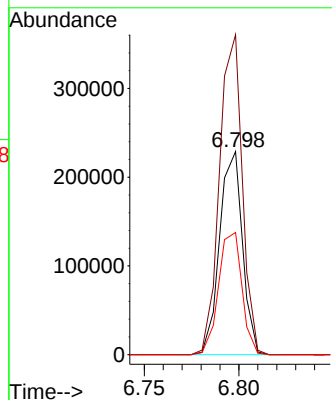
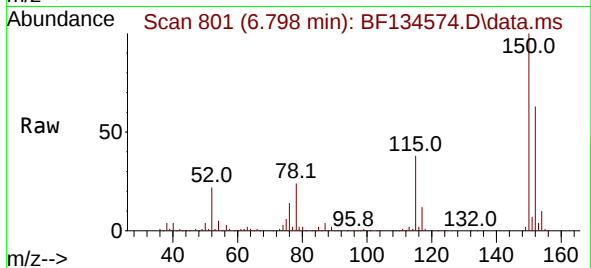




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.798 min Scan# 800  
Delta R.T. 0.006 min  
Lab File: BF134574.D  
Acq: 02 Aug 2023 11:54

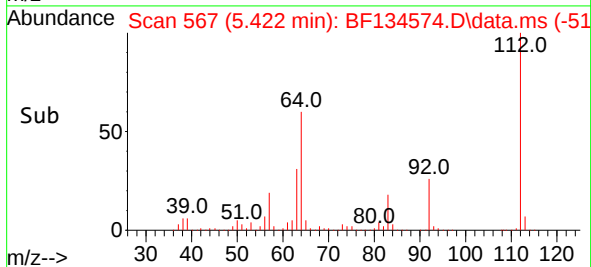
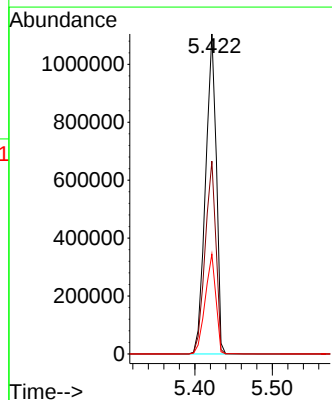
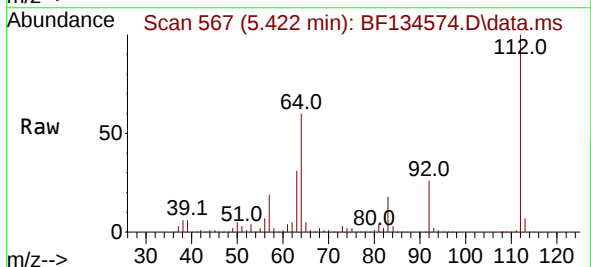
Instrument :  
BNA\_F  
ClientSampleId :  
RPTP-2-CS-2

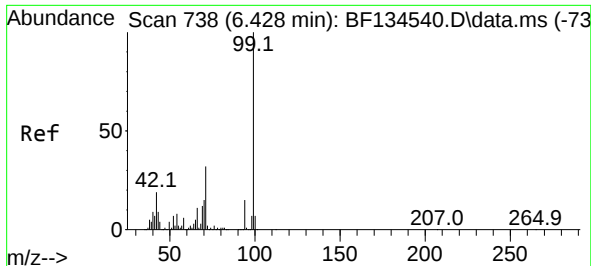
Tgt Ion:152 Resp: 192408  
Ion Ratio Lower Upper  
152 100  
150 157.5 128.3 192.5  
115 60.2 52.4 78.6



#5  
2-Fluorophenol  
Concen: 84.150 ng  
RT: 5.422 min Scan# 567  
Delta R.T. 0.006 min  
Lab File: BF134574.D  
Acq: 02 Aug 2023 11:54

Tgt Ion:112 Resp: 1065138  
Ion Ratio Lower Upper  
112 100  
64 60.2 44.9 67.3  
63 31.2 25.4 38.0

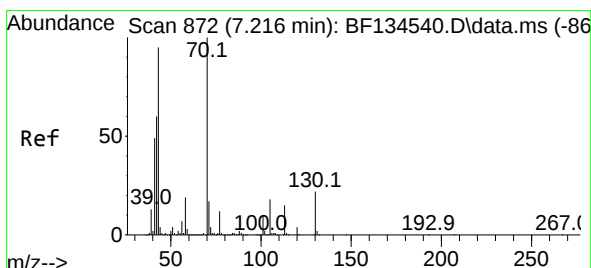
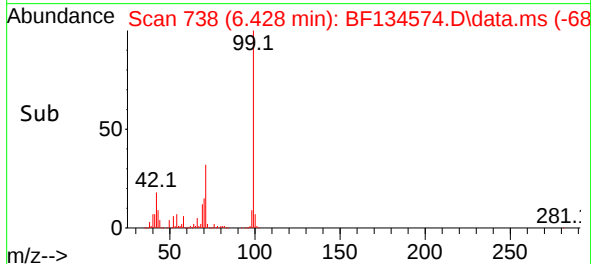
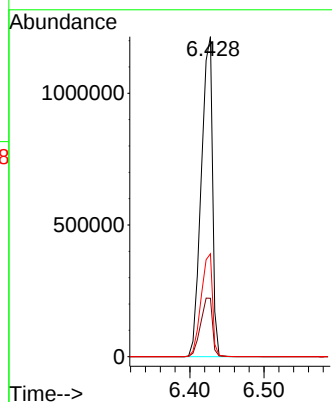
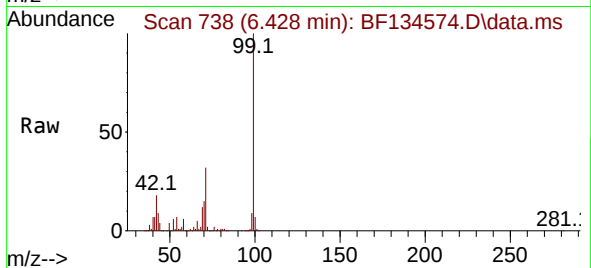




#7  
Phenol-d6  
Concen: 78.859 ng  
RT: 6.428 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF134574.D  
Acq: 02 Aug 2023 11:54

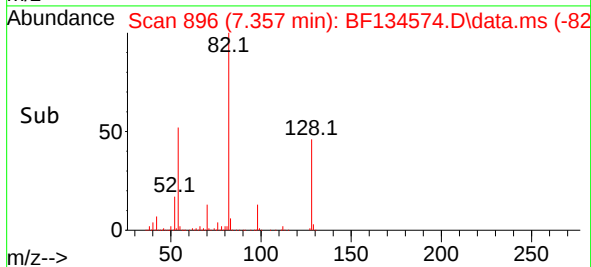
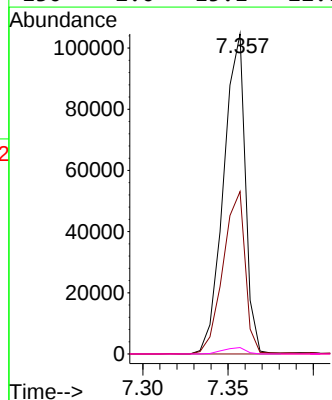
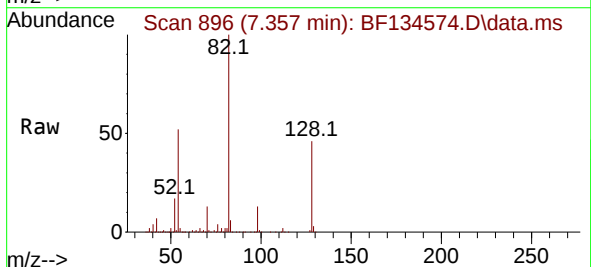
Instrument :  
BNA\_F  
ClientSampleId :  
RPTP-2-CS-2

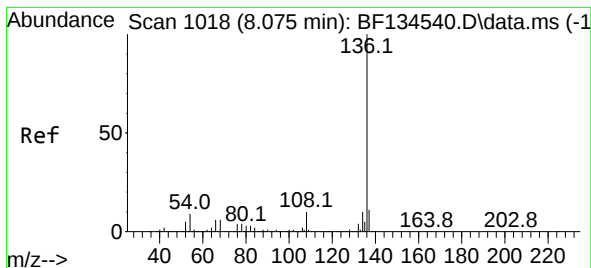
Tgt Ion: 99 Resp: 1275959  
Ion Ratio Lower Upper  
99 100  
42 18.3 18.7 28.1#  
71 32.2 36.4 54.6#



#19  
n-Nitroso-di-n-propylamine  
Concen: 9.555 ng  
RT: 7.357 min Scan# 896  
Delta R.T. 0.141 min  
Lab File: BF134574.D  
Acq: 02 Aug 2023 11:54

Tgt Ion: 70 Resp: 92560  
Ion Ratio Lower Upper  
70 100  
42 50.8 54.7 82.1#  
101 0.0 8.2 12.2#  
130 2.0 15.1 22.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1018

Delta R.T. 0.000 min

Lab File: BF134574.D

Acq: 02 Aug 2023 11:54

Instrument :

BNA\_F

ClientSampleId :

RPTP-2-CS-2

Tgt Ion:136 Resp: 665592

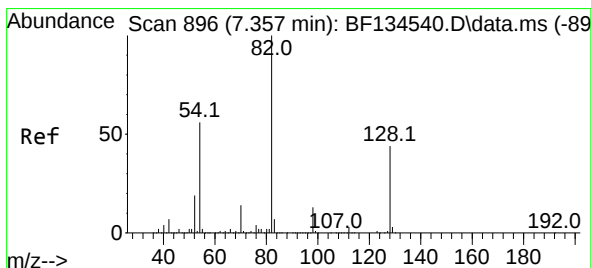
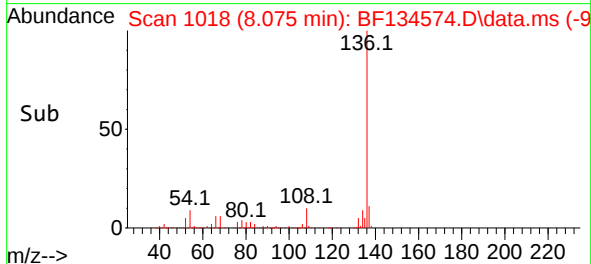
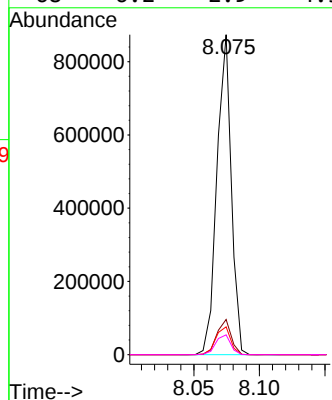
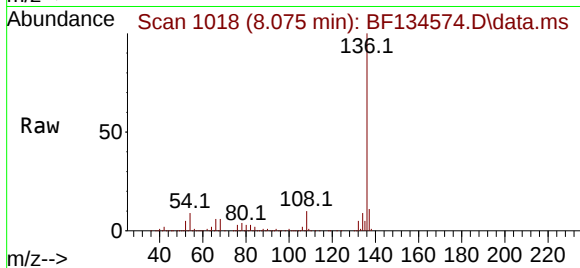
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 8.7 5.2 7.8#

68 6.2 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 65.725 ng

RT: 7.357 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF134574.D

Acq: 02 Aug 2023 11:54

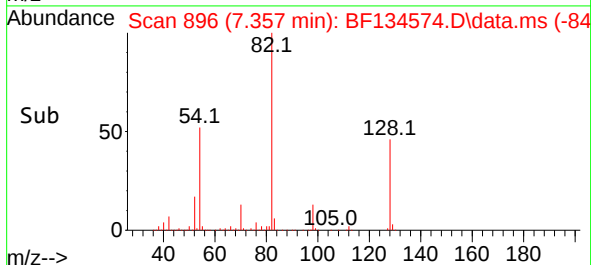
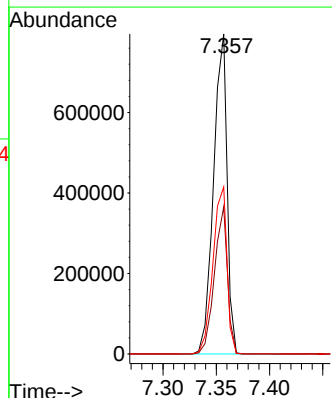
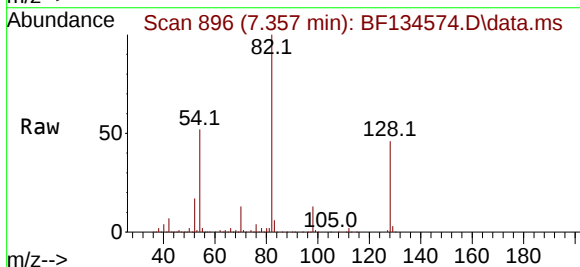
Tgt Ion: 82 Resp: 700022

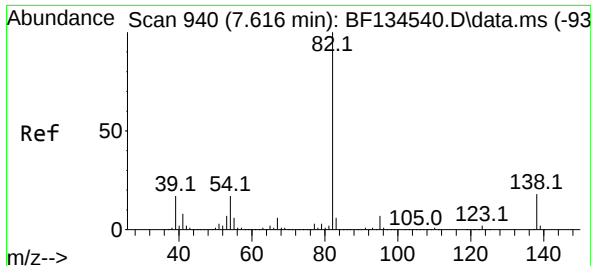
Ion Ratio Lower Upper

82 100

128 46.0 34.3 51.5

54 52.2 43.8 65.6

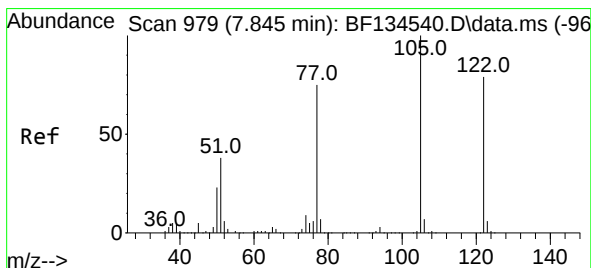
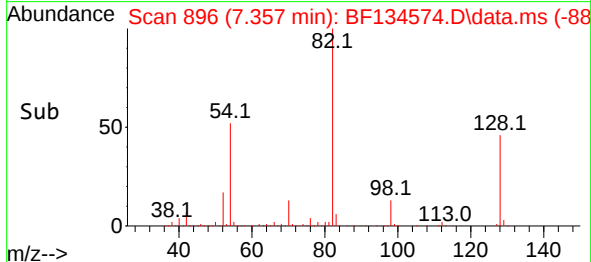
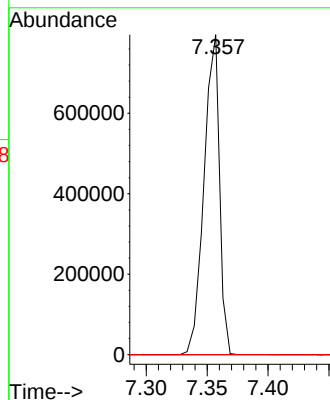
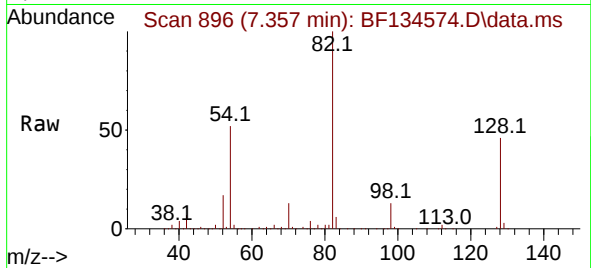




#25  
Isophorone  
Concen: 30.129 ng  
RT: 7.357 min Scan# 896  
Delta R.T. -0.259 min  
Lab File: BF134574.D  
Acq: 02 Aug 2023 11:54

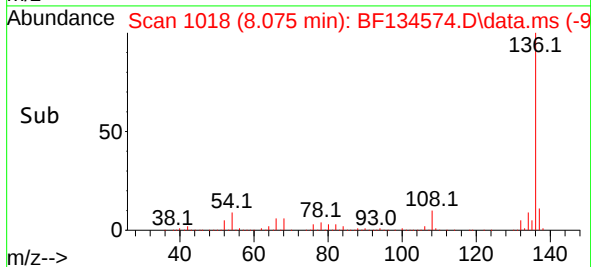
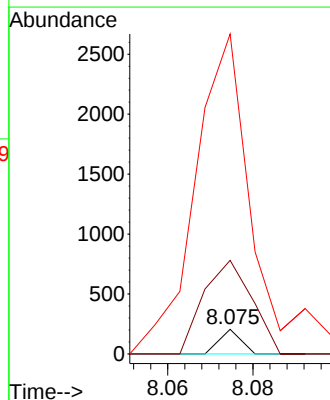
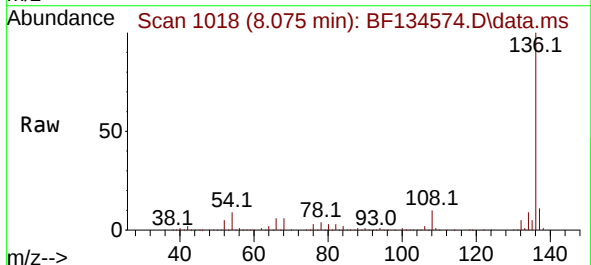
Instrument :  
BNA\_F  
ClientSampleId :  
RPTP-2-CS-2

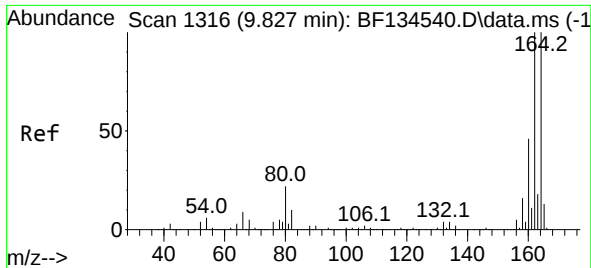
Tgt Ion: 82 Resp: 699904  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 14.6 22.0#



#32  
Benzoic acid  
Concen: 7.876 ng  
RT: 8.075 min Scan# 1018  
Delta R.T. 0.230 min  
Lab File: BF134574.D  
Acq: 02 Aug 2023 11:54

Tgt Ion: 122 Resp: 73  
Ion Ratio Lower Upper  
122 100  
105 379.1 87.5 127.5#  
77 1295.6 71.4 111.4#

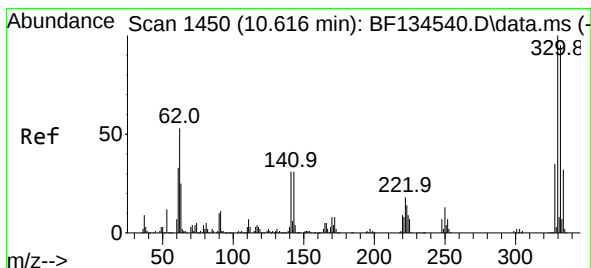
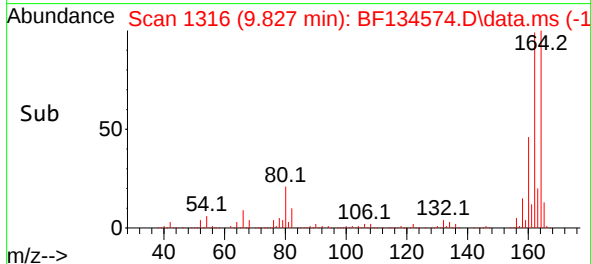
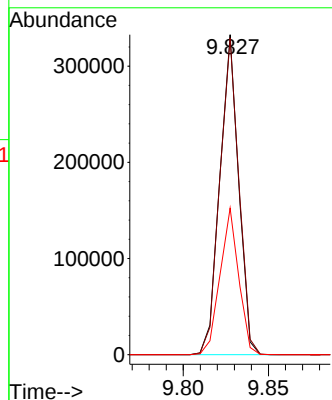
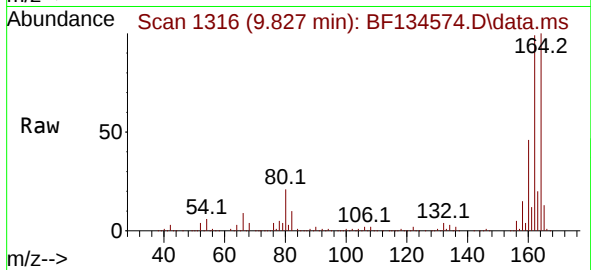




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.827 min Scan# 1316  
Delta R.T. 0.000 min  
Lab File: BF134574.D  
Acq: 02 Aug 2023 11:54

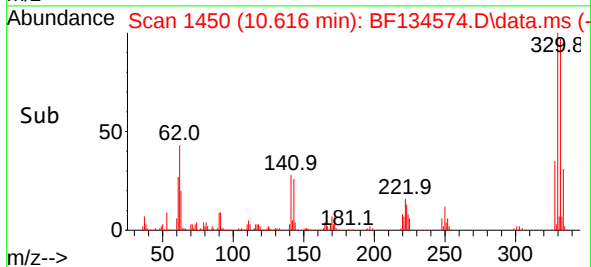
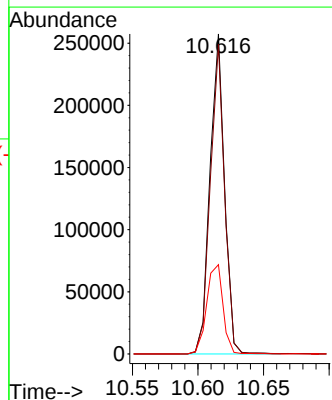
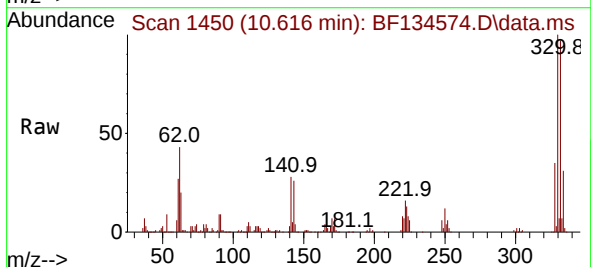
Instrument :  
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ClientSampleId :  
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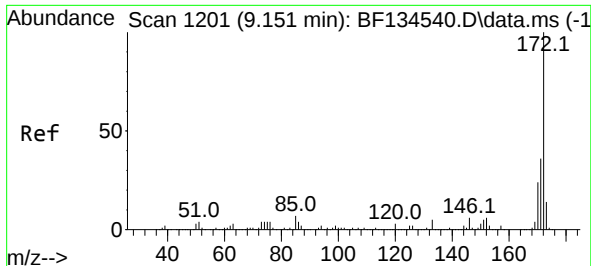
Tgt Ion:164 Resp: 255213  
Ion Ratio Lower Upper  
164 100  
162 99.0 82.6 123.8  
160 45.8 37.2 55.8



#42  
2,4,6-Tribromophenol  
Concen: 76.258 ng  
RT: 10.616 min Scan# 1450  
Delta R.T. 0.000 min  
Lab File: BF134574.D  
Acq: 02 Aug 2023 11:54

Tgt Ion:330 Resp: 198397  
Ion Ratio Lower Upper  
330 100  
332 95.6 78.8 118.2  
141 31.5 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 67.293 ng

RT: 9.151 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134574.D

Acq: 02 Aug 2023 11:54

Instrument :

BNA\_F

ClientSampleId :

RPTP-2-CS-2

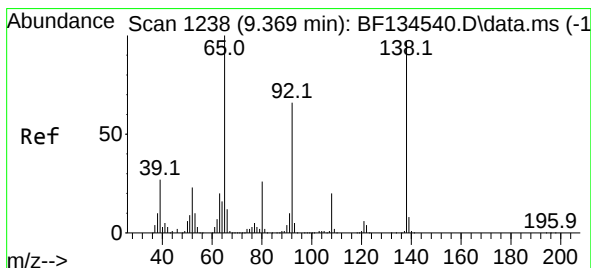
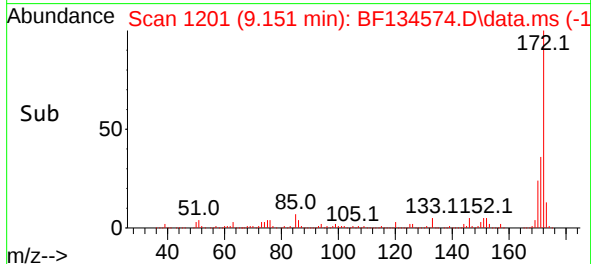
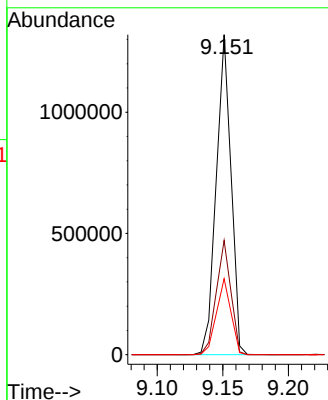
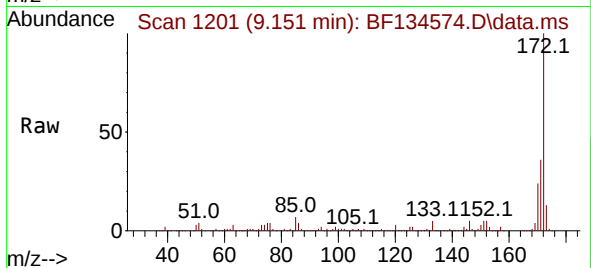
Tgt Ion:172 Resp: 1032908

Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 23.7 18.7 28.1



#48

2-Nitroaniline

Concen: 3.303 ng

RT: 9.269 min Scan# 1221

Delta R.T. -0.100 min

Lab File: BF134574.D

Acq: 02 Aug 2023 11:54

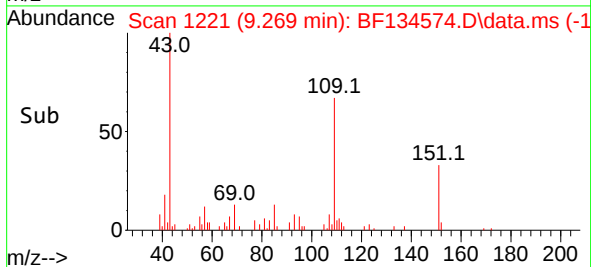
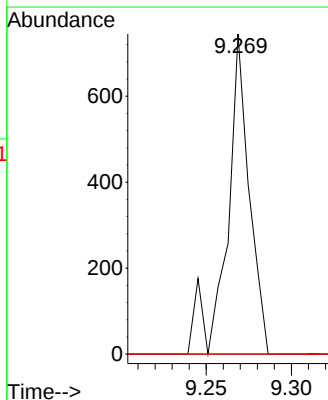
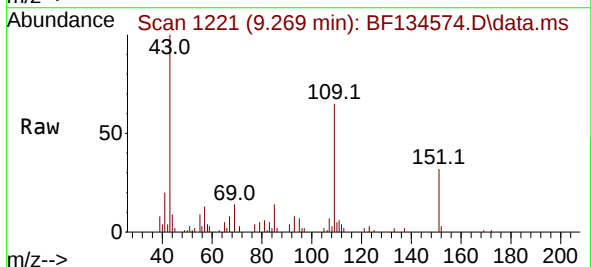
Tgt Ion: 65 Resp: 678

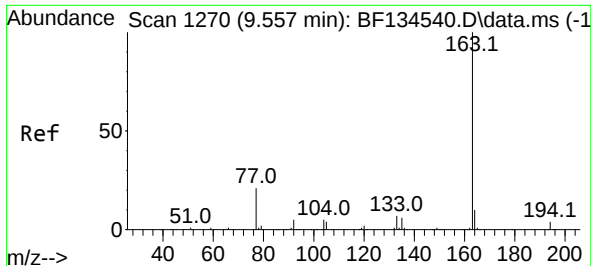
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#

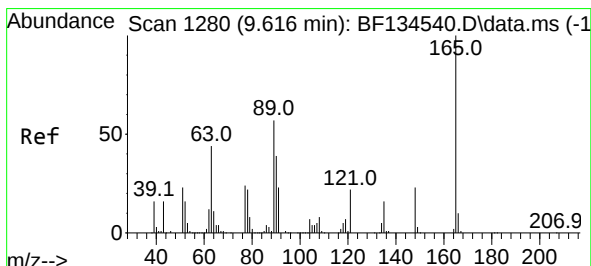
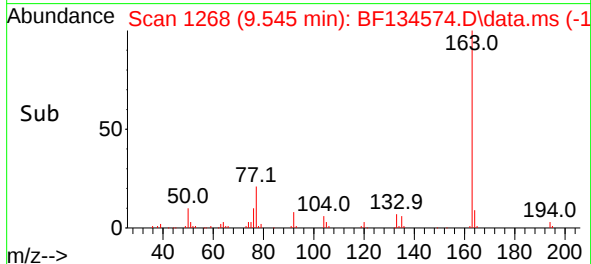
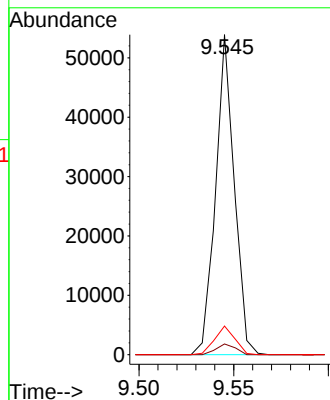
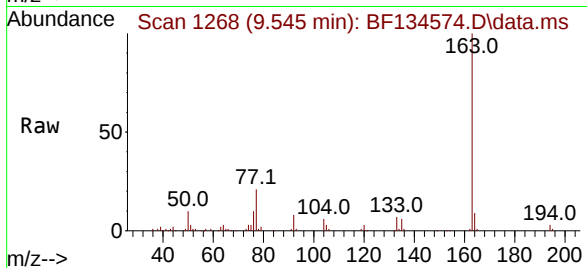




#50  
Dimethylphthalate  
Concen: 2.131 ng  
RT: 9.545 min Scan# 1316  
Delta R.T. -0.012 min  
Lab File: BF134574.D  
Acq: 02 Aug 2023 11:54

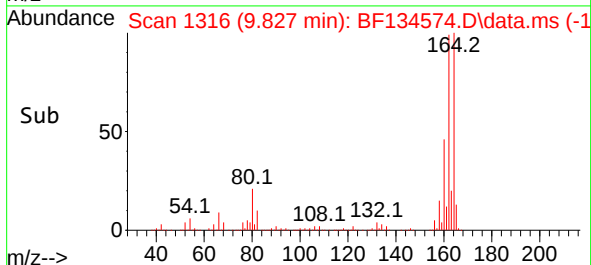
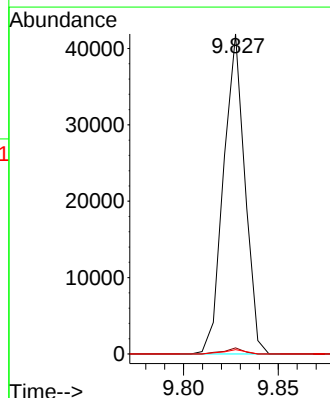
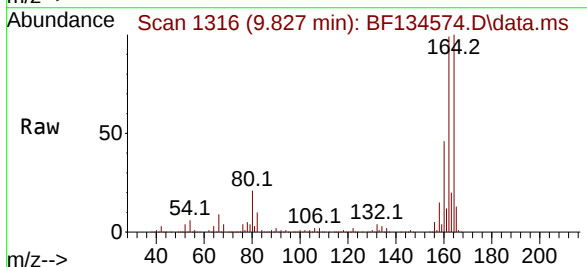
Instrument :  
BNA\_F  
ClientSampleId :  
RPTP-2-CS-2

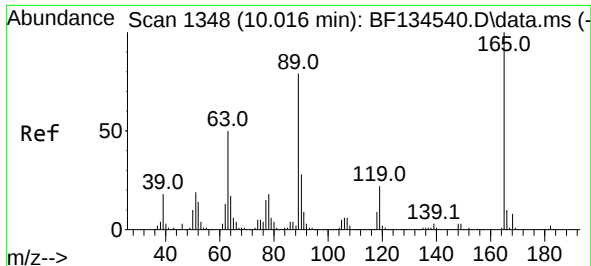
Tgt Ion:163 Resp: 37073  
Ion Ratio Lower Upper  
163 100  
194 3.4 3.3 4.9  
164 9.0 7.5 11.3



#51  
2,6-Dinitrotoluene  
Concen: 11.247 ng  
RT: 9.827 min Scan# 1316  
Delta R.T. 0.211 min  
Lab File: BF134574.D  
Acq: 02 Aug 2023 11:54

Tgt Ion:165 Resp: 32901  
Ion Ratio Lower Upper  
165 100  
63 1.9 57.8 86.6#  
89 1.3 51.8 77.8#

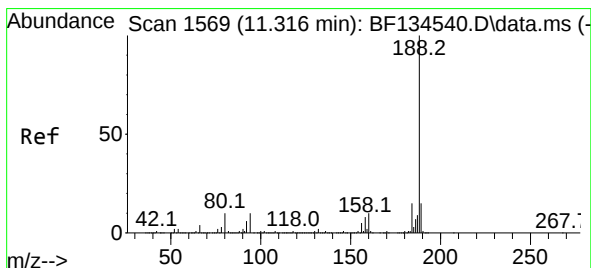
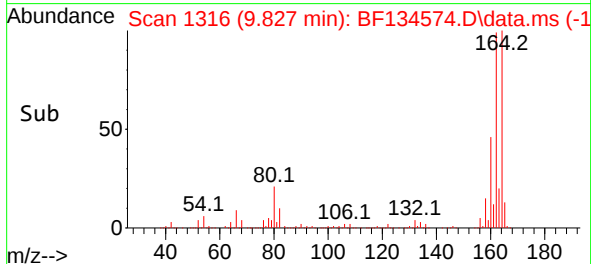
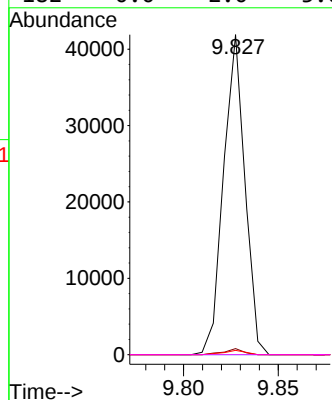
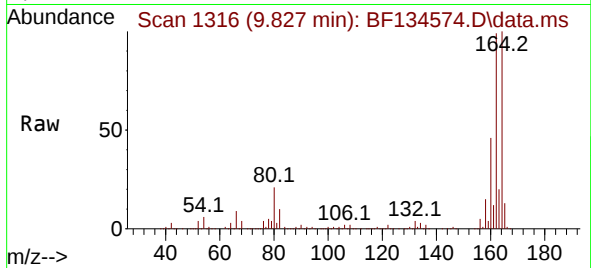




#57  
2,4-Dinitrotoluene  
Concen: 10.040 ng  
RT: 9.827 min Scan# 11  
Delta R.T. -0.189 min  
Lab File: BF134574.D  
Acq: 02 Aug 2023 11:54

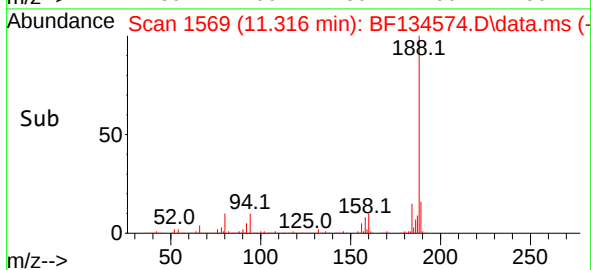
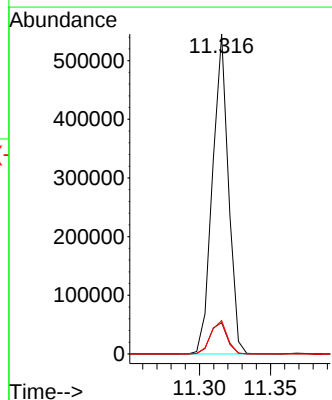
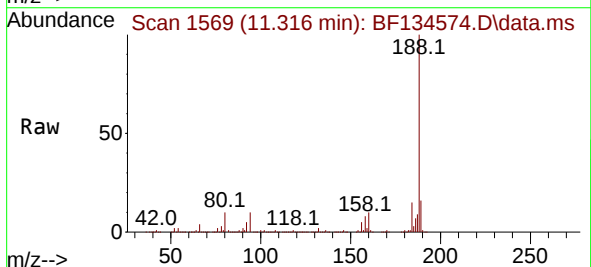
Instrument :  
BNA\_F  
ClientSampleId :  
RPTP-2-CS-2

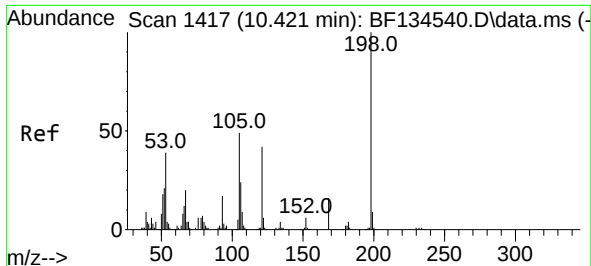
Tgt Ion:165 Resp: 32901  
Ion Ratio Lower Upper  
165 100  
63 1.9 48.9 73.3#  
89 1.3 61.7 92.5#  
182 0.0 2.0 3.0#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.316 min Scan# 1569  
Delta R.T. 0.000 min  
Lab File: BF134574.D  
Acq: 02 Aug 2023 11:54

Tgt Ion:188 Resp: 426305  
Ion Ratio Lower Upper  
188 100  
94 9.8 5.1 7.7#  
80 10.4 6.6 9.8#

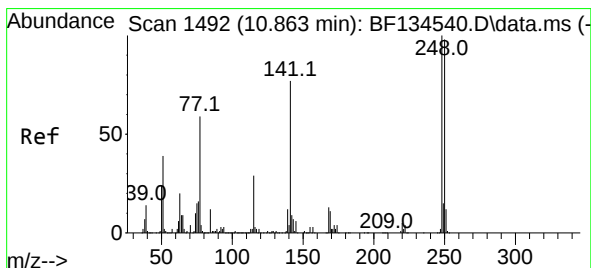
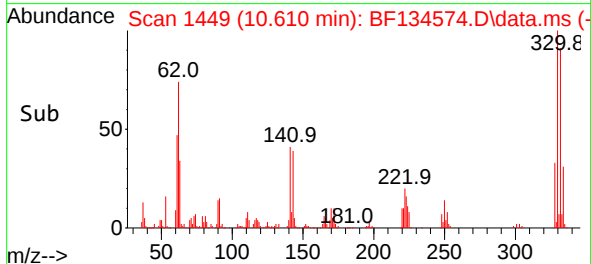
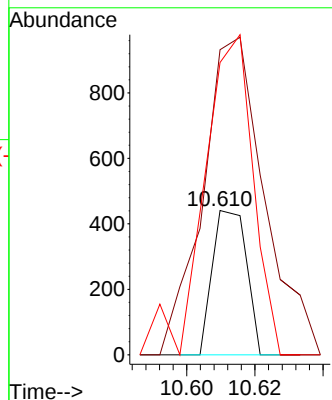
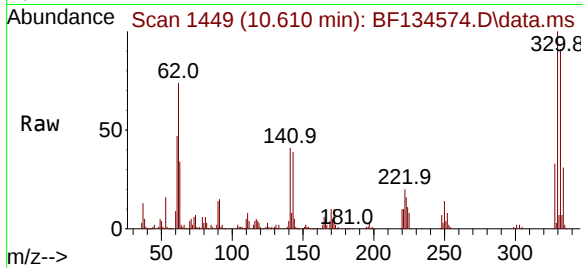




#65  
4,6-Dinitro-2-methylphenol  
Concen: 8.844 ng  
RT: 10.610 min Scan# 1417  
Delta R.T. 0.189 min  
Lab File: BF134574.D  
Acq: 02 Aug 2023 11:54

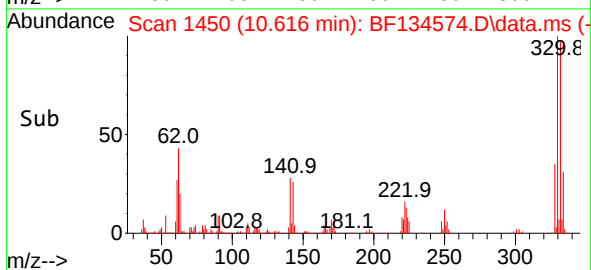
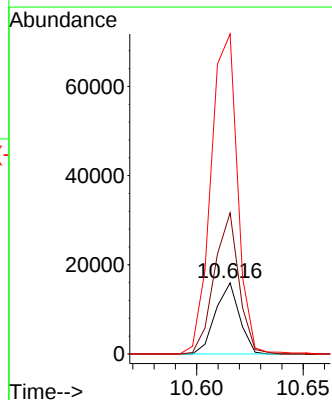
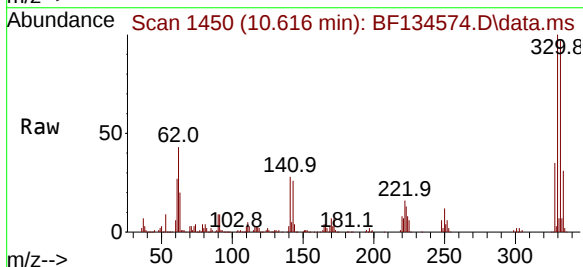
Instrument :  
BNA\_F  
ClientSampleId :  
RPTP-2-CS-2

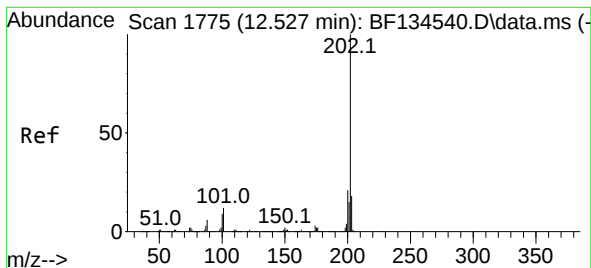
Tgt Ion:198 Resp: 306  
Ion Ratio Lower Upper  
198 100  
51 211.3 38.6 78.6#  
105 202.5 27.9 67.9#



#67  
4-Bromophenyl-phenylether  
Concen: 2.677 ng  
RT: 10.616 min Scan# 1450  
Delta R.T. -0.247 min  
Lab File: BF134574.D  
Acq: 02 Aug 2023 11:54

Tgt Ion:248 Resp: 12492  
Ion Ratio Lower Upper  
248 100  
250 198.5 79.6 119.4#  
141 450.1 59.6 89.4#





#75

Fluoranthene

Concen: 4.938 ng

RT: 12.527 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134574.D

Acq: 02 Aug 2023 11:54

Instrument :

BNA\_F

ClientSampleId :

RPTP-2-CS-2

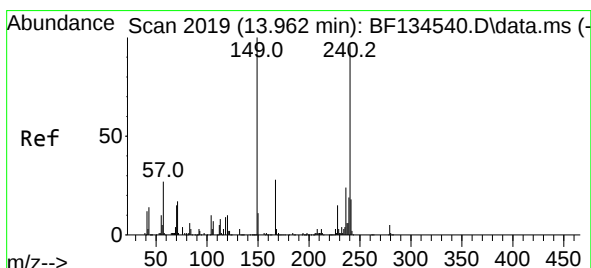
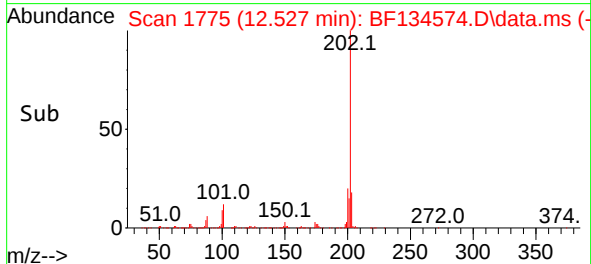
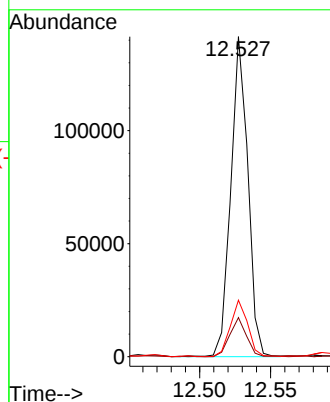
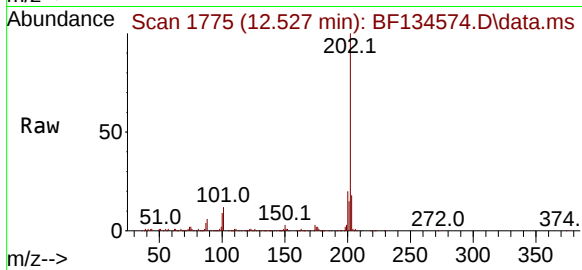
Tgt Ion:202 Resp: 118108

Ion Ratio Lower Upper

202 100

101 12.2 0.0 28.5

203 17.7 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF134574.D

Acq: 02 Aug 2023 11:54

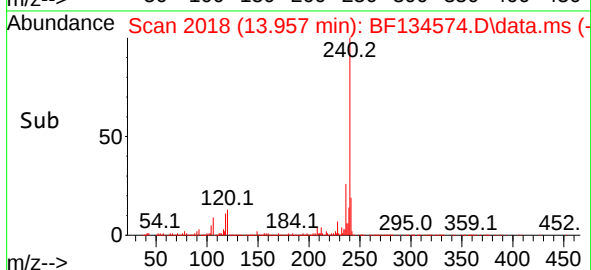
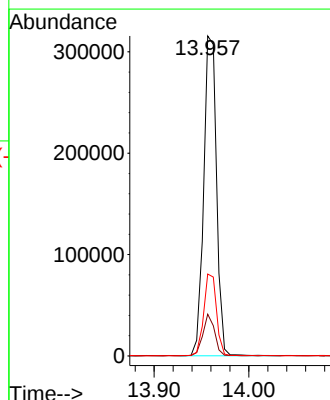
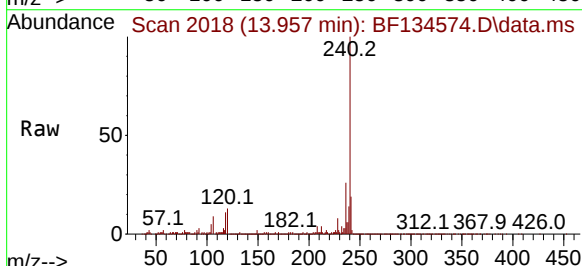
Tgt Ion:240 Resp: 297584

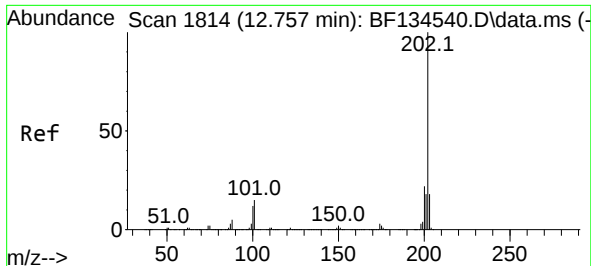
Ion Ratio Lower Upper

240 100

120 13.0 6.6 10.0#

236 25.6 20.2 30.2

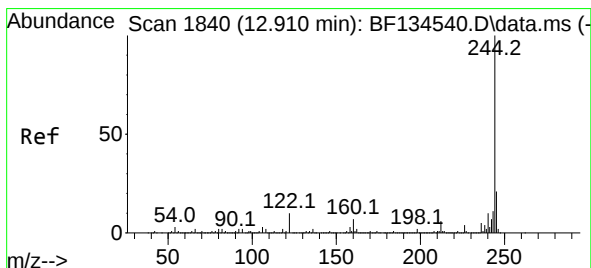
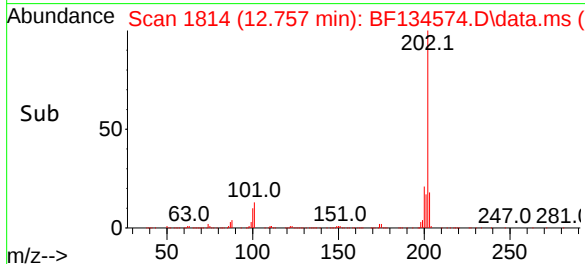
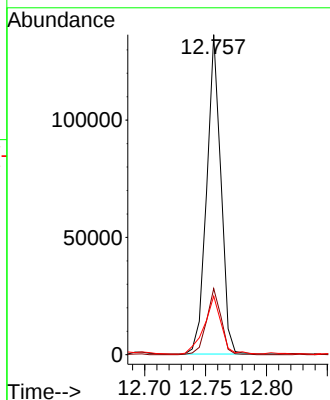
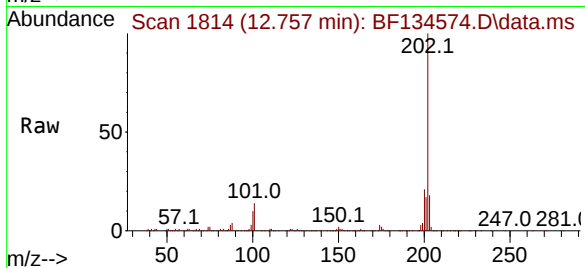




#78  
Pyrene  
Concen: 4.253 ng  
RT: 12.757 min Scan# 1814  
Delta R.T. 0.000 min  
Lab File: BF134574.D  
Acq: 02 Aug 2023 11:54

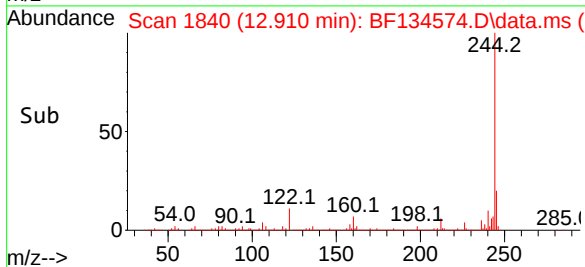
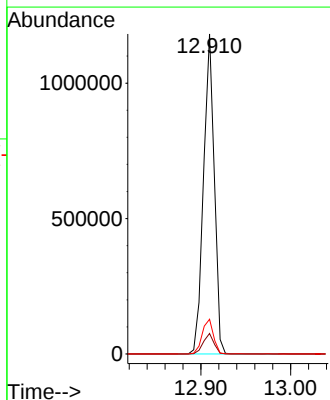
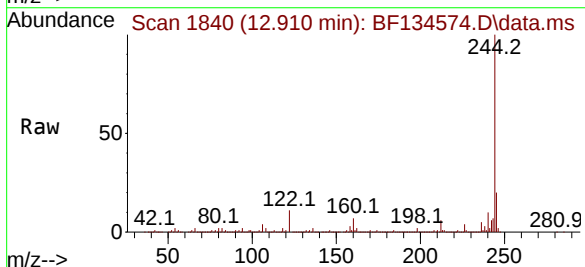
Instrument :  
BNA\_F  
ClientSampleId :  
RPTP-2-CS-2

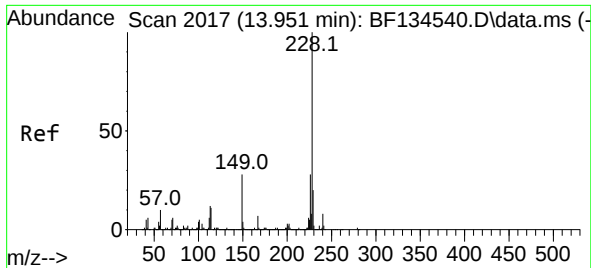
Tgt Ion:202 Resp: 109517  
Ion Ratio Lower Upper  
202 100  
200 20.6 15.8 23.8  
203 18.3 13.5 20.3



#79  
Terphenyl-d14  
Concen: 58.338 ng  
RT: 12.910 min Scan# 1840  
Delta R.T. 0.000 min  
Lab File: BF134574.D  
Acq: 02 Aug 2023 11:54

Tgt Ion:244 Resp: 984780  
Ion Ratio Lower Upper  
244 100  
212 6.4 5.6 8.4  
122 10.8 8.0 12.0

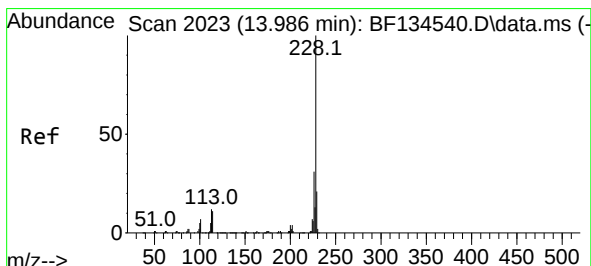
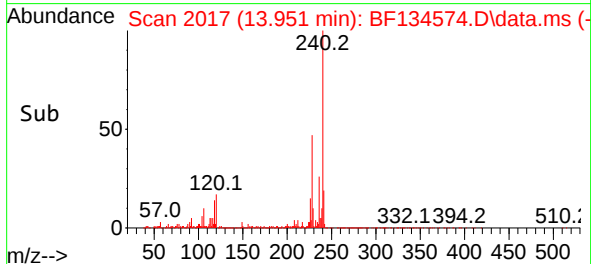
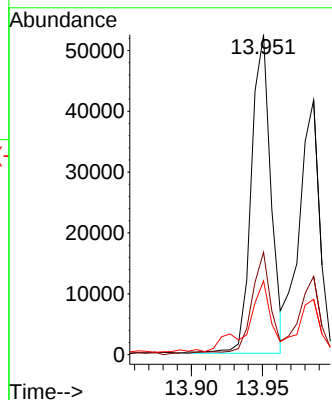
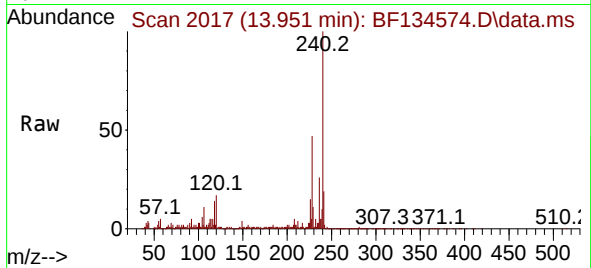




#81  
Benzo(a)anthracene  
Concen: 2.350 ng  
RT: 13.951 min Scan# 2017  
Delta R.T. 0.000 min  
Lab File: BF134574.D  
Acq: 02 Aug 2023 11:54

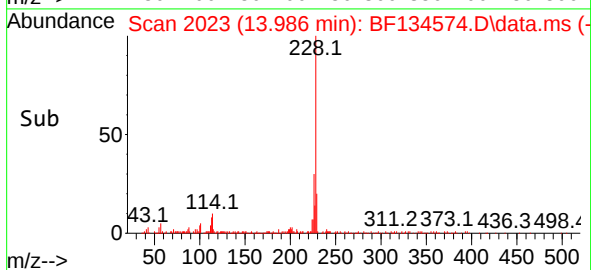
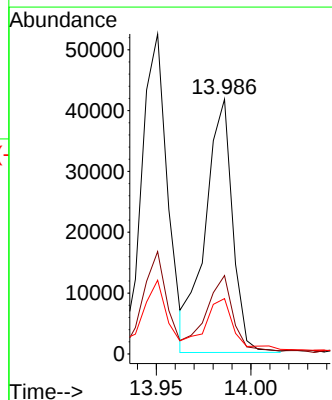
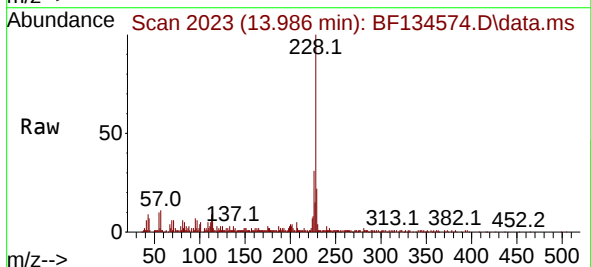
Instrument :  
BNA\_F  
ClientSampleId :  
RPTP-2-CS-2

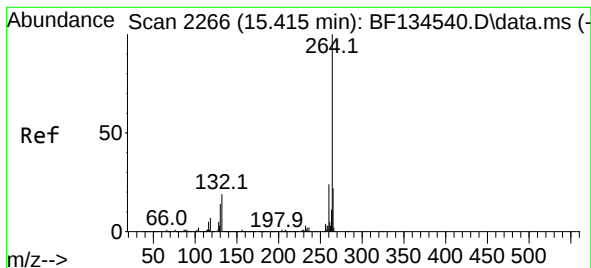
Tgt Ion:228 Resp: 49996  
Ion Ratio Lower Upper  
228 100  
226 32.0 22.3 33.5  
229 23.0 15.8 23.6



#83  
Chrysene  
Concen: 2.019 ng  
RT: 13.986 min Scan# 2023  
Delta R.T. 0.000 min  
Lab File: BF134574.D  
Acq: 02 Aug 2023 11:54

Tgt Ion:228 Resp: 41862  
Ion Ratio Lower Upper  
228 100  
226 30.8 24.5 36.7  
229 21.7 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2195

Delta R.T. 0.006 min

Lab File: BF134574.D

Acq: 02 Aug 2023 11:54

Instrument :

BNA\_F

ClientSampleId :

RPTP-2-CS-2

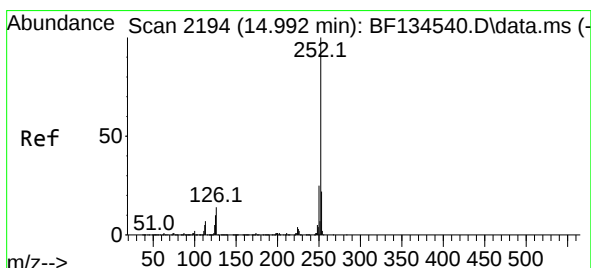
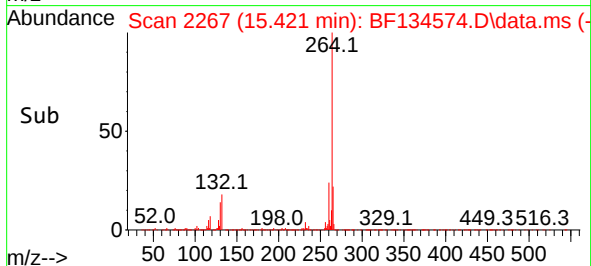
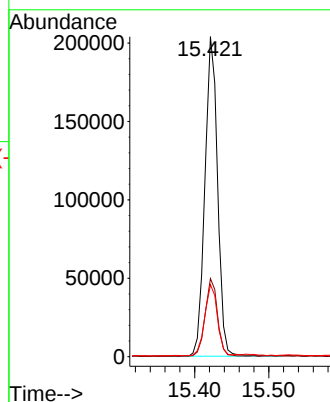
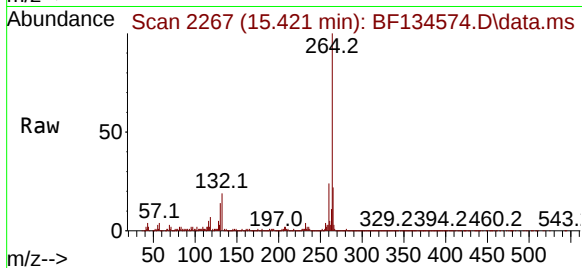
Tgt Ion:264 Resp: 242707

Ion Ratio Lower Upper

264 100

260 24.4 18.4 27.6

265 22.5 15.8 23.8



#88

Benzo(b)fluoranthene

Concen: 3.709 ng

RT: 14.998 min Scan# 2195

Delta R.T. 0.006 min

Lab File: BF134574.D

Acq: 02 Aug 2023 11:54

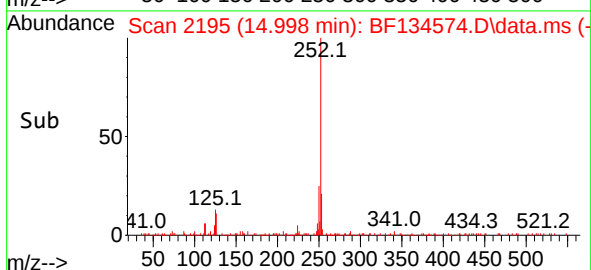
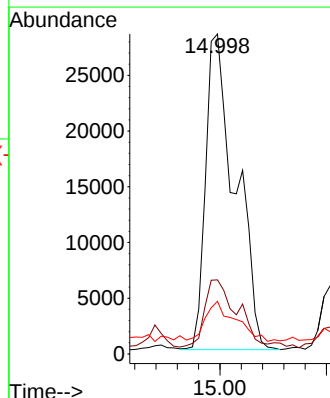
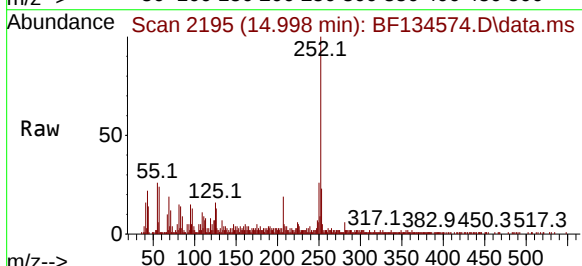
Tgt Ion:252 Resp: 54903

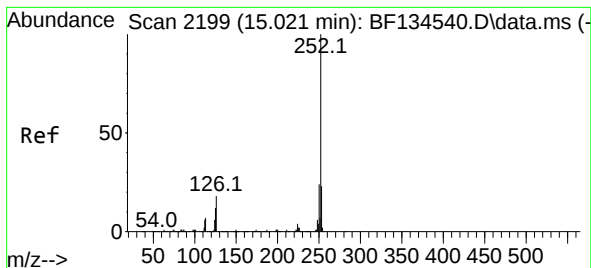
Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

125 16.4 6.0 9.0#





#89

Benzo(k)fluoranthene

Concen: 3.723 ng

RT: 14.998 min Scan# 2199

Delta R.T. -0.023 min

Lab File: BF134574.D

Acq: 02 Aug 2023 11:54

Instrument :

BNA\_F

ClientSampleId :

RPTP-2-CS-2

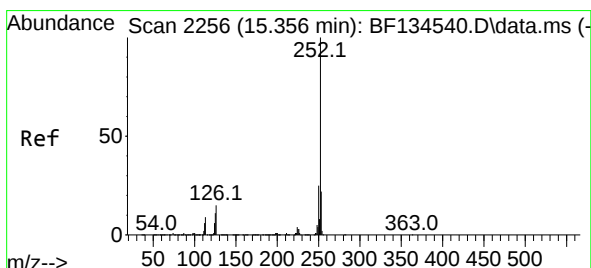
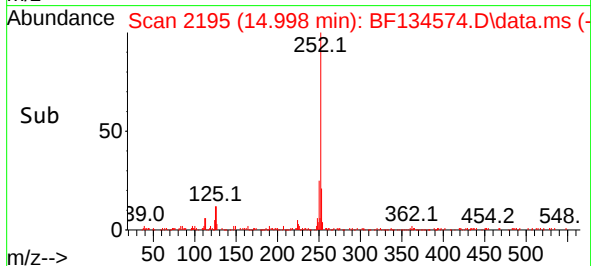
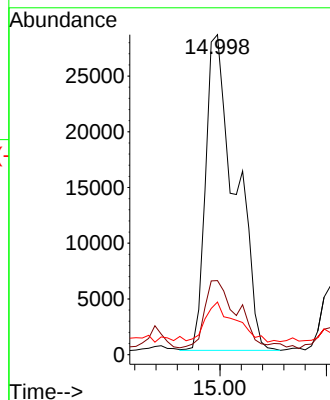
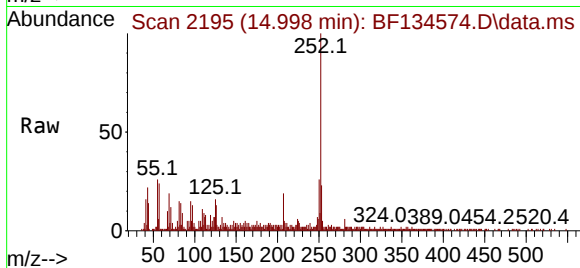
Tgt Ion:252 Resp: 54903

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

125 16.4 6.3 9.5#



#90

Benzo(a)pyrene

Concen: 2.205 ng

RT: 15.357 min Scan# 2256

Delta R.T. 0.000 min

Lab File: BF134574.D

Acq: 02 Aug 2023 11:54

Tgt Ion:252 Resp: 30429

Ion Ratio Lower Upper

252 100

253 26.1 17.0 25.4#

125 16.6 6.2 9.4#

