

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091624\  
 Data File : BF139381.D  
 Acq On : 16 Sep 2024 16:30  
 Operator : RC/JU  
 Sample : P3929-03RE  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 72-11930

Quant Time: Sep 16 17:12:38 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 14 02:58:23 2024  
 Response via : Initial Calibration

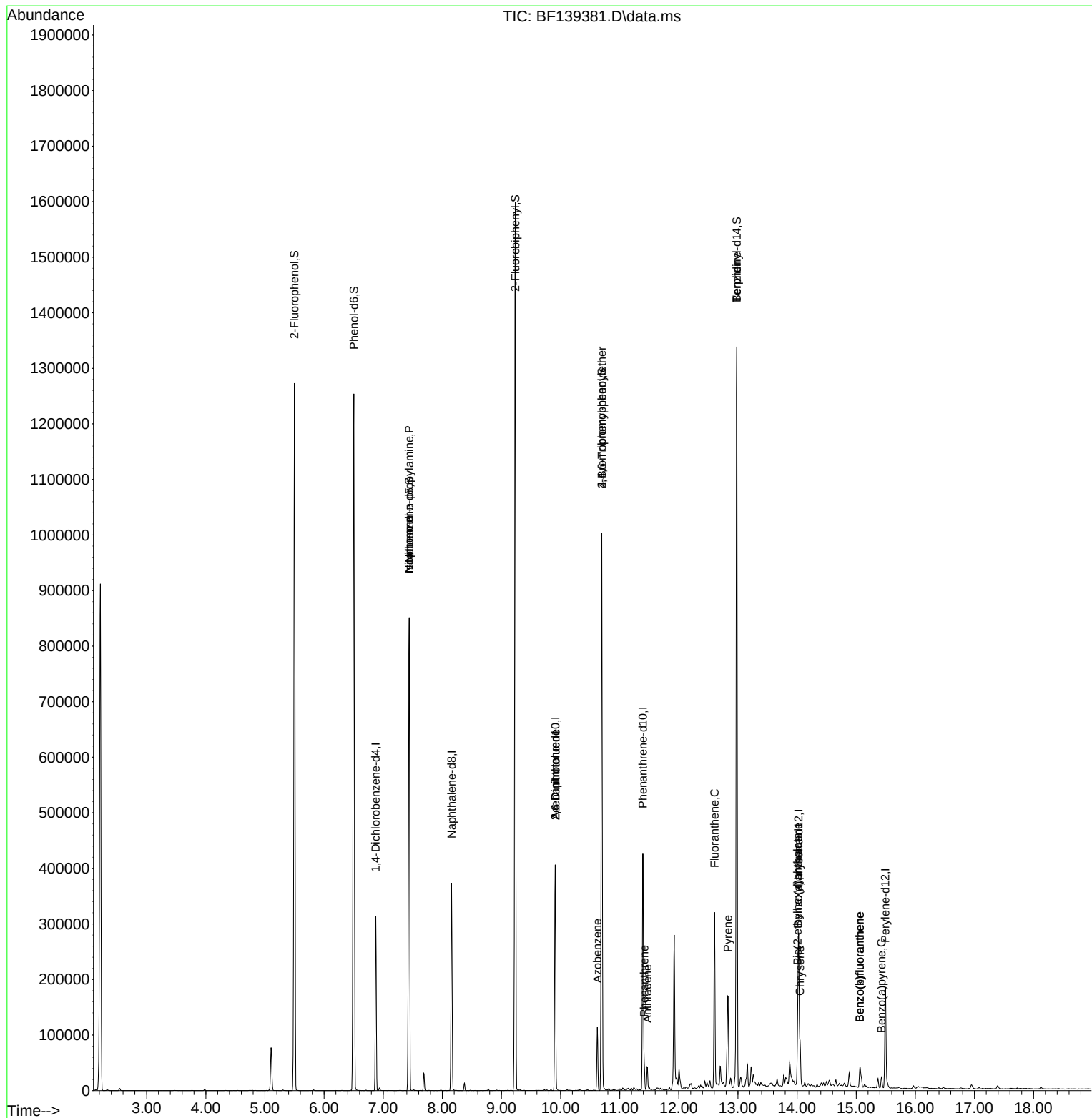
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 59320    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 212084   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 116207   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.392 | 188  | 214775   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.027 | 240  | 104823   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.492 | 264  | 107304   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 419241   | 115.295 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.504  | 99   | 553877   | 116.048 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.439  | 82   | 368119   | 81.599  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.698 | 330  | 143983   | 116.382 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 664784   | 80.234  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 622486   | 97.473  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.439  | 70   | 51633    | 18.256  | ng    | # 76     |
| 25) Isophorone                | 7.439  | 82   | 367089   | 51.451  | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.910  | 165  | 15035    | 8.898   | ng    | # 15     |
| 57) 2,4-Dinitrotoluene        | 9.910  | 165  | 15035    | 6.591   | ng    | # 16     |
| 63) Azobenzene                | 10.622 | 77   | 28148    | 3.636   | ng    | # 3      |
| 67) 4-Bromophenyl-phenylether | 10.698 | 248  | 10615    | 4.987   | ng    | # 1      |
| 71) Phenanthrene              | 11.416 | 178  | 24294    | 2.345   | ng    | 99       |
| 72) Anthracene                | 11.469 | 178  | 21246    | 2.097   | ng    | 98       |
| 75) Fluoranthene              | 12.604 | 202  | 170009   | 15.364  | ng    | 99       |
| 77) Benzidine                 | 12.980 | 184  | 9879     | 6.578   | ng    | # 94     |
| 78) Pyrene                    | 12.833 | 202  | 97242    | 10.804  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.016 | 228  | 34793    | 5.011   | ng    | 97       |
| 83) Chrysene                  | 14.051 | 228  | 41498    | 6.496   | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149  | 20366    | 5.226   | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.063 | 252  | 33619    | 5.080   | ng    | 97       |
| 89) Benzo(k)fluoranthene      | 15.063 | 252  | 33619    | 5.510   | ng    | # 97     |
| 90) Benzo(a)pyrene            | 15.427 | 252  | 13291    | 2.422   | ng    | 98       |
| -----                         |        |      |          |         |       |          |

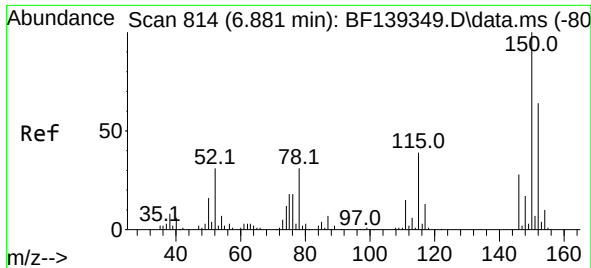
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091624\  
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Response via : Initial Calibration

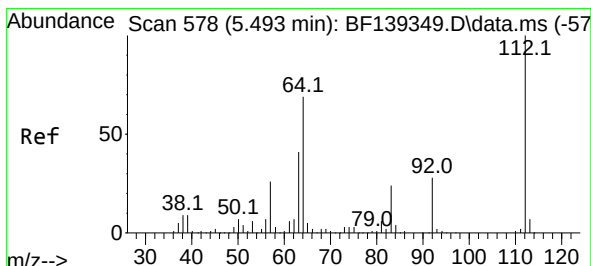
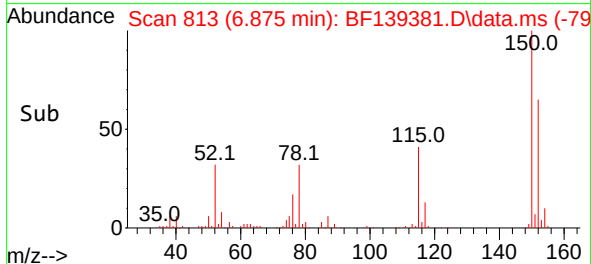
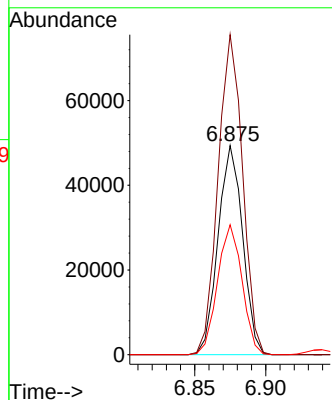
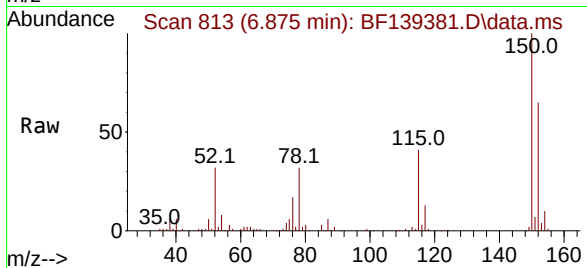




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 814  
Delta R.T. -0.006 min  
Lab File: BF139381.D  
Acq: 16 Sep 2024 16:30

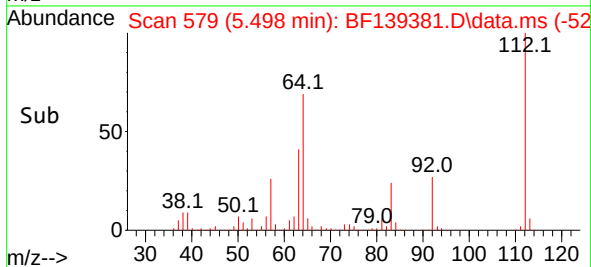
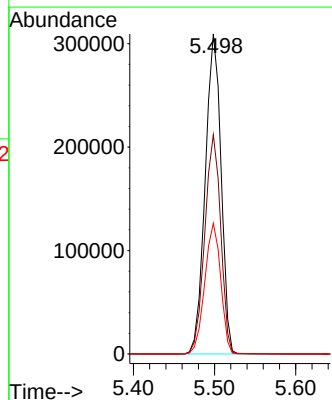
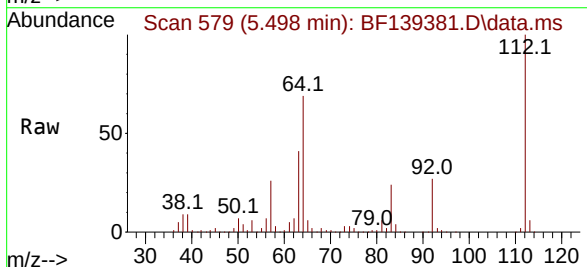
Instrument :  
BNA\_F  
ClientSampleId :  
72-11930

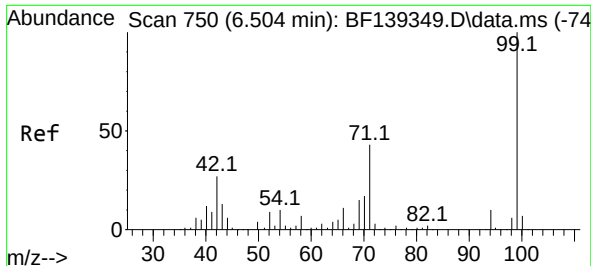
Tgt Ion:152 Resp: 59320  
Ion Ratio Lower Upper  
152 100  
150 153.0 124.1 186.1  
115 62.2 48.1 72.1



#5  
2-Fluorophenol  
Concen: 115.295 ng  
RT: 5.498 min Scan# 579  
Delta R.T. 0.005 min  
Lab File: BF139381.D  
Acq: 16 Sep 2024 16:30

Tgt Ion:112 Resp: 419241  
Ion Ratio Lower Upper  
112 100  
64 68.5 54.8 82.2  
63 40.9 33.0 49.4

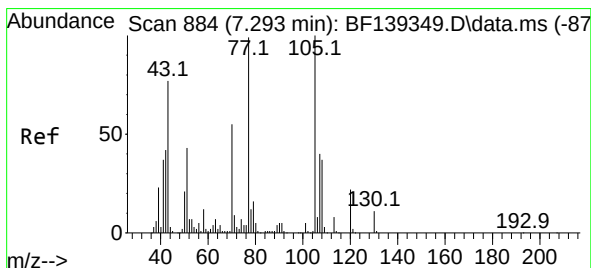
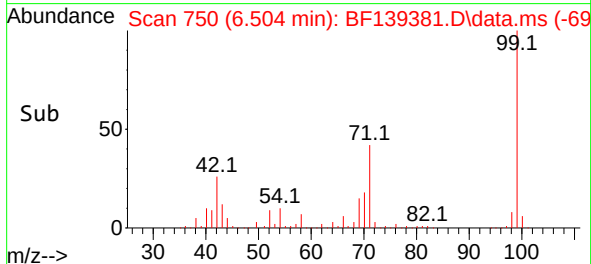
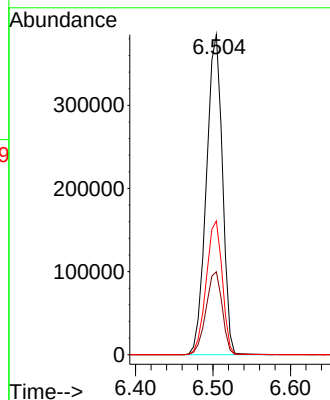
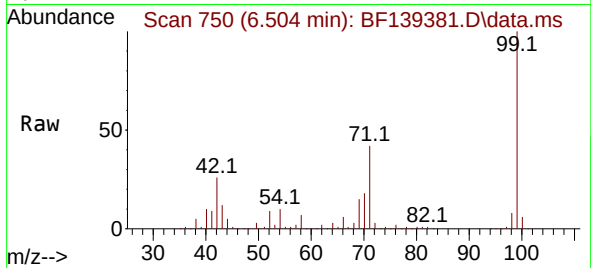




#7  
Phenol-d6  
Concen: 116.048 ng  
RT: 6.504 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF139381.D  
Acq: 16 Sep 2024 16:30

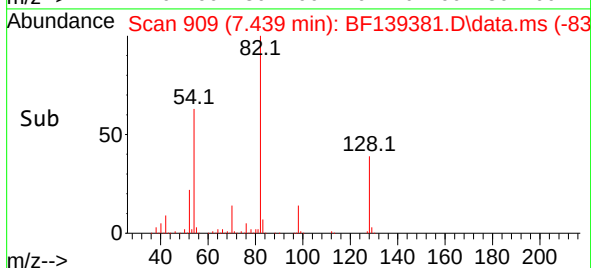
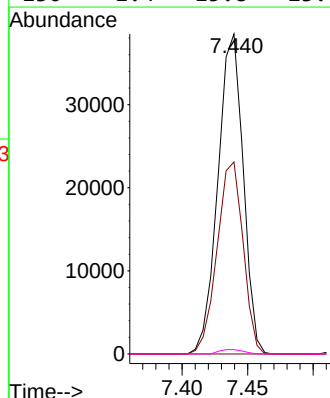
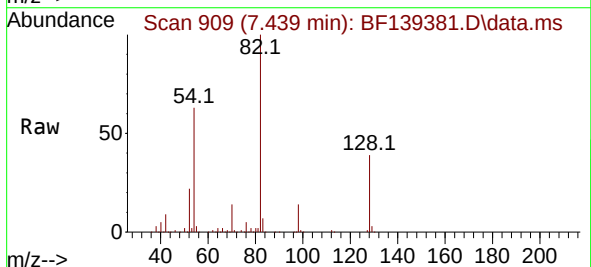
Instrument :  
BNA\_F  
ClientSampleId :  
72-11930

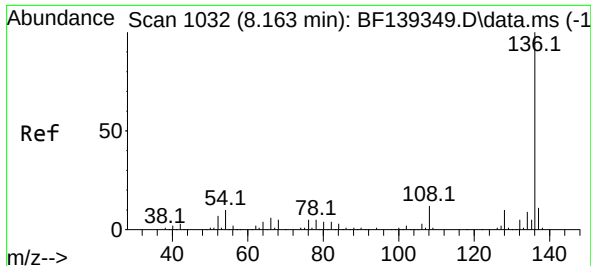
Tgt Ion: 99 Resp: 553877  
Ion Ratio Lower Upper  
99 100  
42 25.9 21.9 32.9  
71 41.8 34.6 52.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.256 ng  
RT: 7.439 min Scan# 909  
Delta R.T. 0.147 min  
Lab File: BF139381.D  
Acq: 16 Sep 2024 16:30

Tgt Ion: 70 Resp: 51633  
Ion Ratio Lower Upper  
70 100  
42 60.0 61.2 91.8#  
101 0.0 7.5 11.3#  
130 1.4 15.8 23.8#

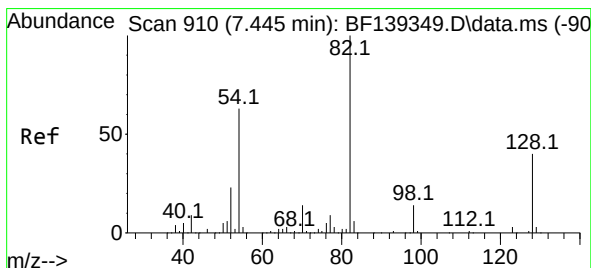
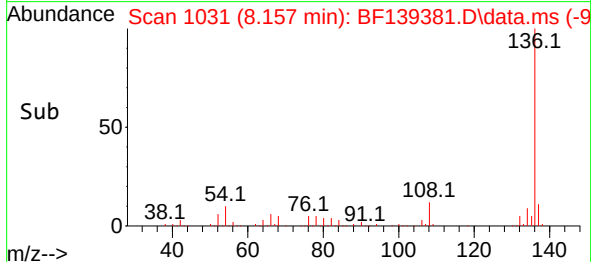
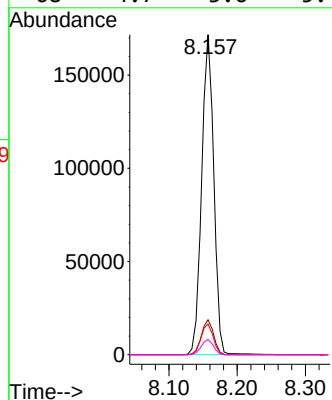
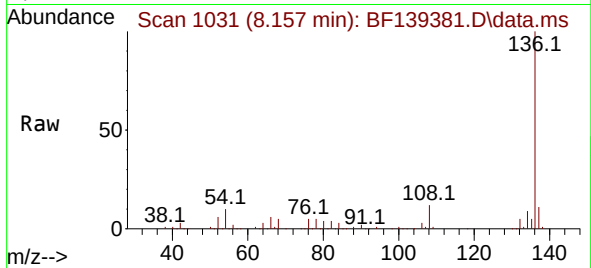




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: BF139381.D  
Acq: 16 Sep 2024 16:30

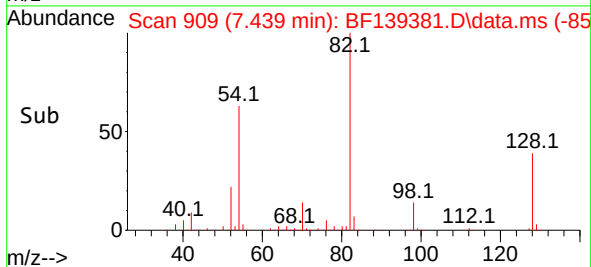
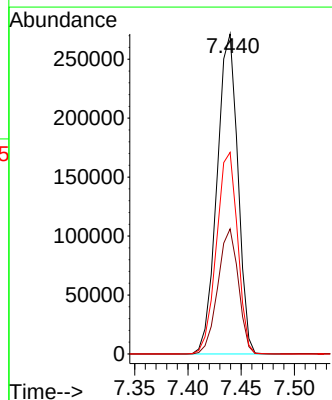
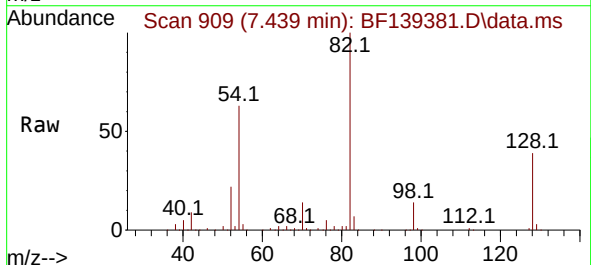
Instrument :  
BNA\_F  
ClientSampleId :  
72-11930

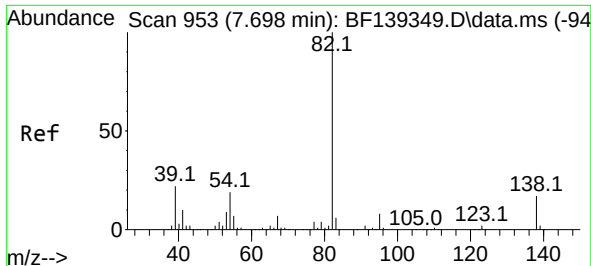
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 212084 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.6   | 12.8   |
| 54       | 9.6   | 7.8   | 11.8   |
| 68       | 4.7   | 3.6   | 5.4    |



#23  
Nitrobenzene-d5  
Concen: 81.599 ng  
RT: 7.439 min Scan# 909  
Delta R.T. -0.006 min  
Lab File: BF139381.D  
Acq: 16 Sep 2024 16:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 368119 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 39.1  | 31.8  | 47.6   |
| 54       | 63.0  | 50.6  | 75.8   |

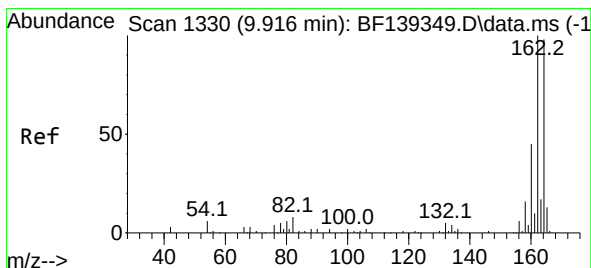
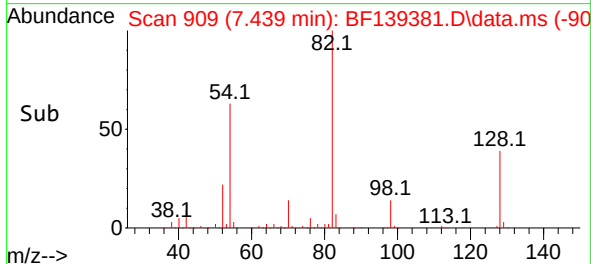
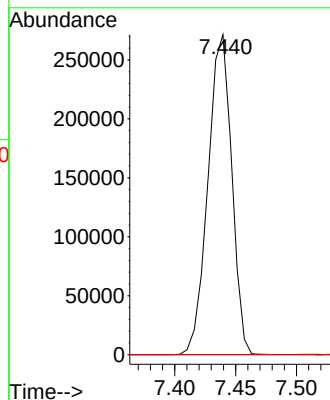
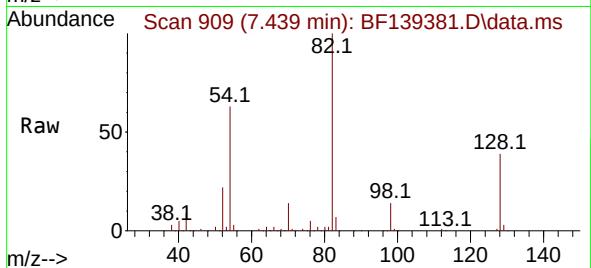




#25  
Isophorone  
Concen: 51.451 ng  
RT: 7.439 min Scan# 90  
Delta R.T. -0.259 min  
Lab File: BF139381.D  
Acq: 16 Sep 2024 16:30

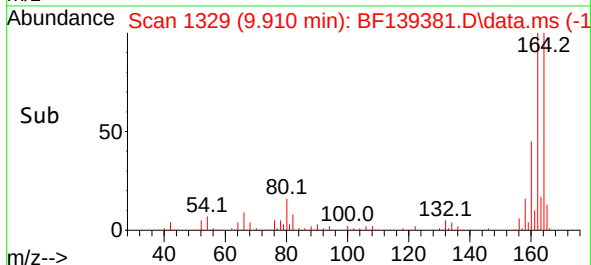
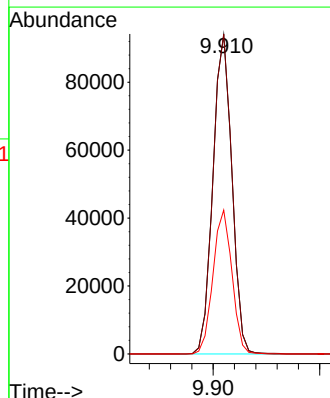
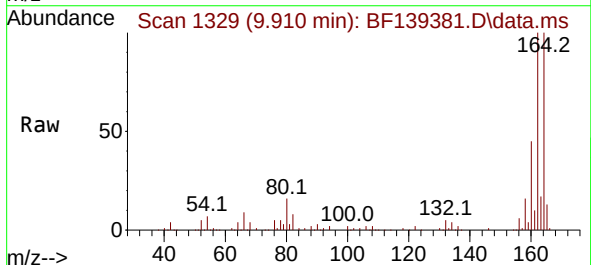
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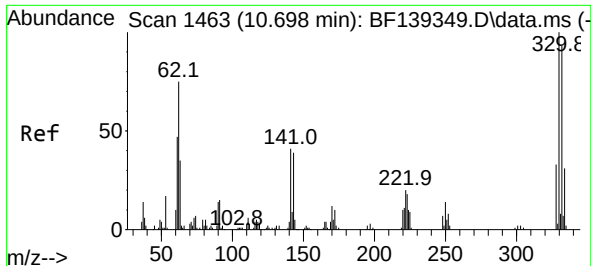
Tgt Ion: 82 Resp: 367089  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.7 10.1#  
138 0.0 13.3 19.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.910 min Scan# 1329  
Delta R.T. -0.006 min  
Lab File: BF139381.D  
Acq: 16 Sep 2024 16:30

Tgt Ion: 164 Resp: 116207  
Ion Ratio Lower Upper  
164 100  
162 100.3 81.3 121.9  
160 45.1 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 116.382 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.000 min

Lab File: BF139381.D

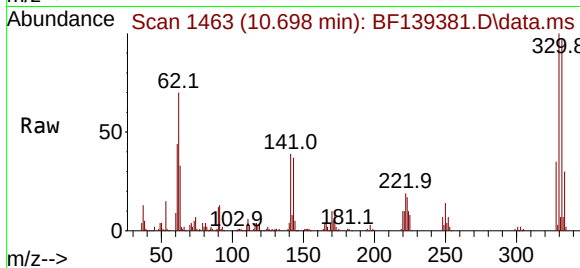
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Instrument :

BNA\_F

ClientSampleId :

72-11930



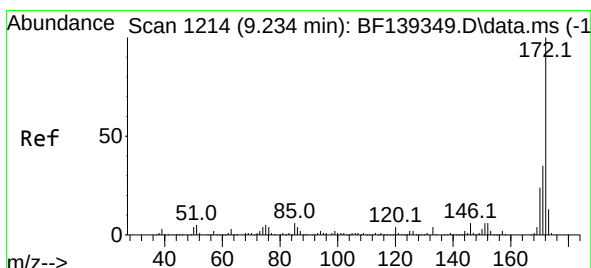
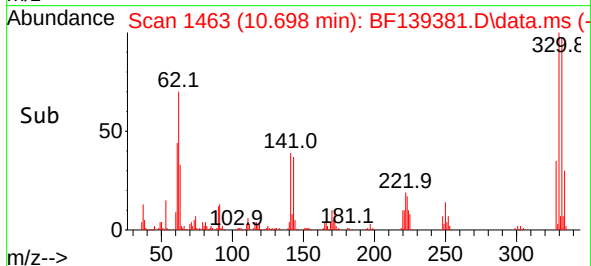
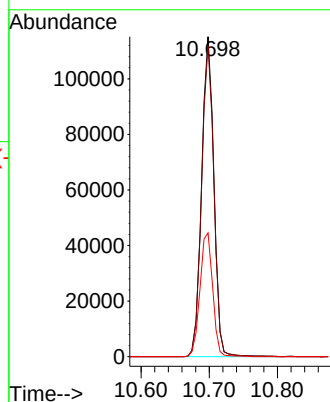
Tgt Ion:330 Resp: 143983

Ion Ratio Lower Upper

330 100

332 97.6 75.2 112.8

141 40.1 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 80.234 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.000 min

Lab File: BF139381.D

Acq: 16 Sep 2024 16:30

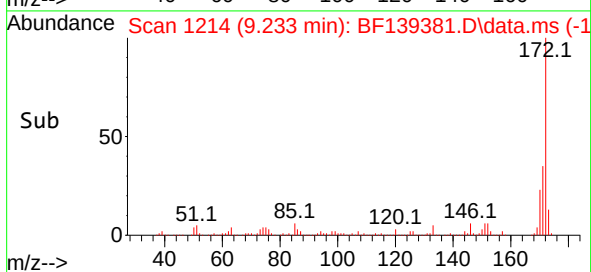
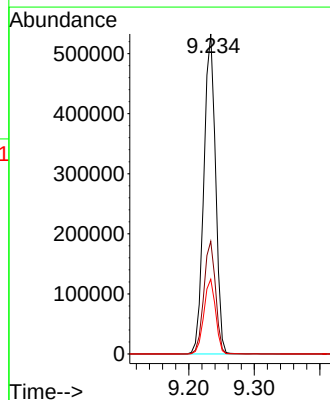
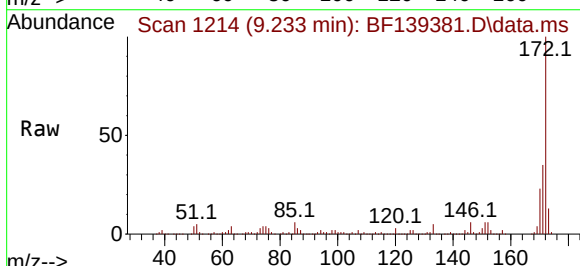
Tgt Ion:172 Resp: 664784

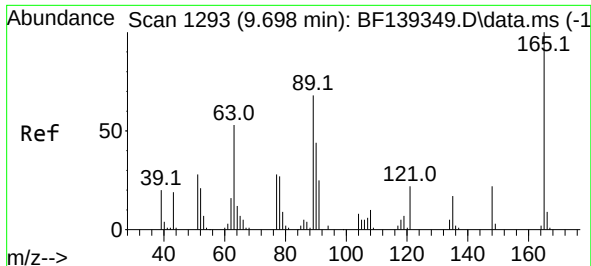
Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 23.3 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.898 ng

RT: 9.910 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF139381.D

Acq: 16 Sep 2024 16:30

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BNA\_F

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72-11930

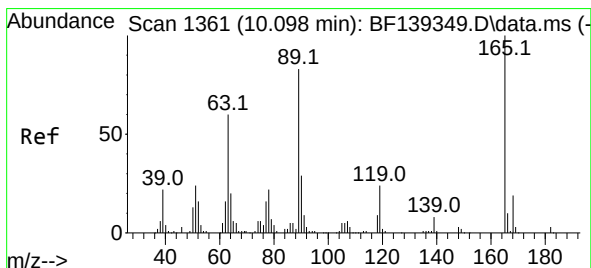
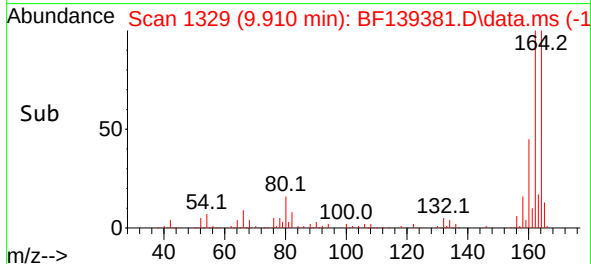
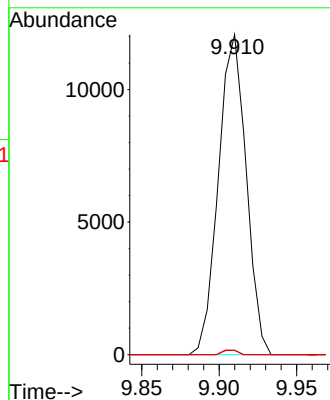
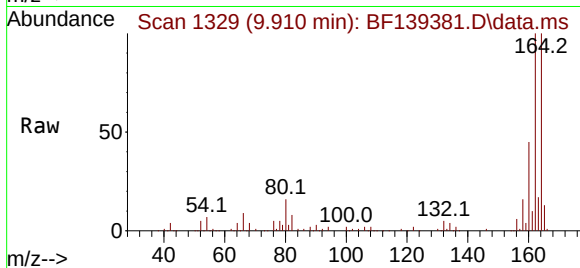
Tgt Ion:165 Resp: 15035

Ion Ratio Lower Upper

165 100

63 1.3 60.9 91.3#

89 1.4 54.7 82.1#



#57

2,4-Dinitrotoluene

Concen: 6.591 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.188 min

Lab File: BF139381.D

Acq: 16 Sep 2024 16:30

Tgt Ion:165 Resp: 15035

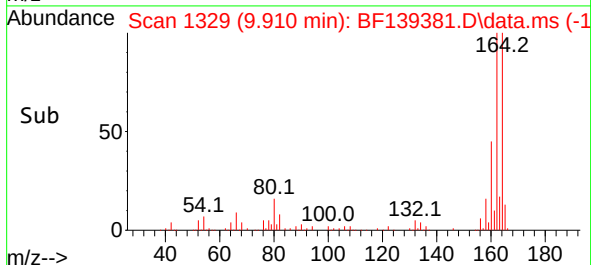
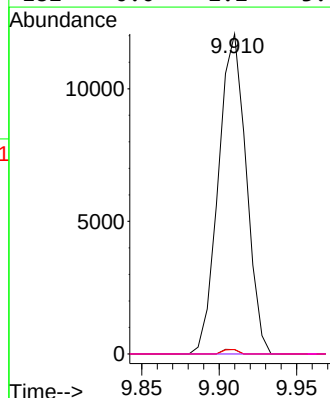
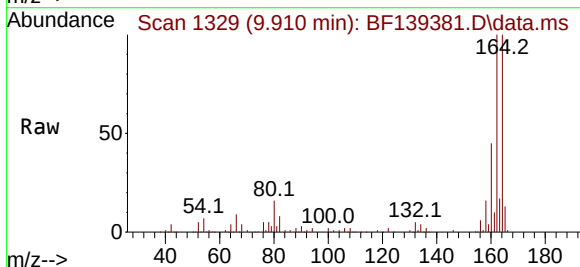
Ion Ratio Lower Upper

165 100

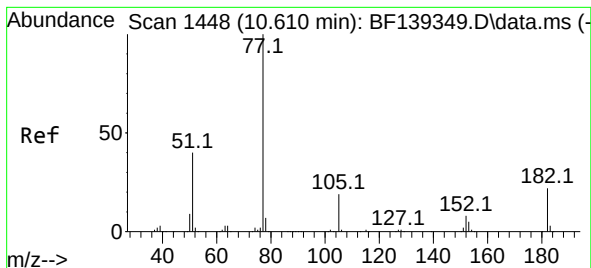
63 1.3 47.8 71.6#

89 1.4 66.7 100.1#

182 0.0 2.2 3.4#







#63

Azobenzene

Concen: 3.636 ng

RT: 10.622 min Scan# 1448

Delta R.T. 0.012 min

Lab File: BF139381.D

Acq: 16 Sep 2024 16:30

Instrument :

BNA\_F

ClientSampleId :

72-11930

Tgt Ion: 77 Resp: 28148

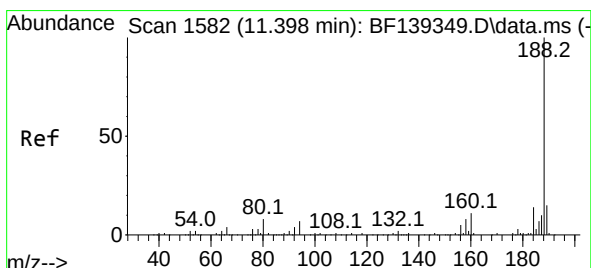
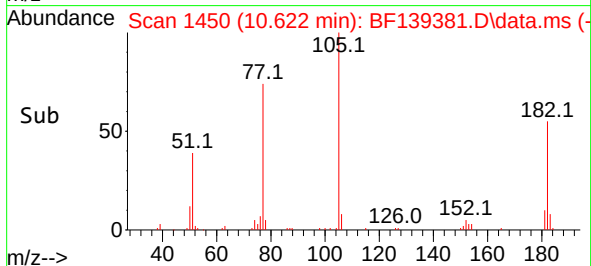
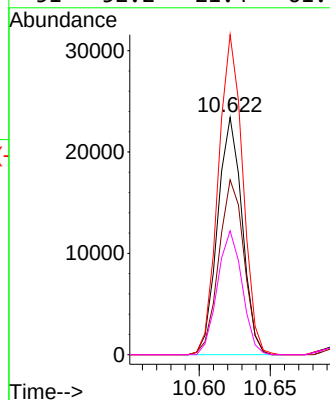
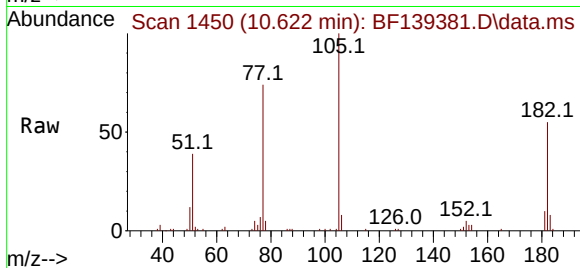
Ion Ratio Lower Upper

77 100

182 73.7 1.8 41.8#

105 134.8 0.0 38.6#

51 52.2 21.4 61.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF139381.D

Acq: 16 Sep 2024 16:30

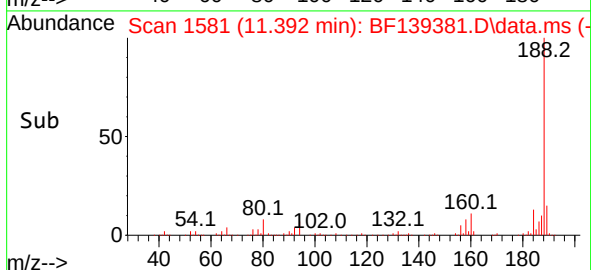
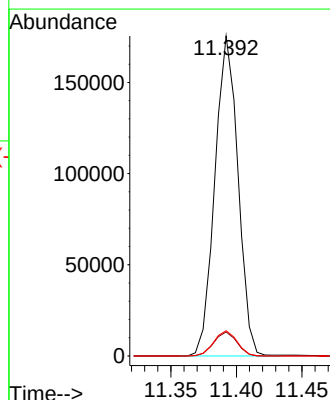
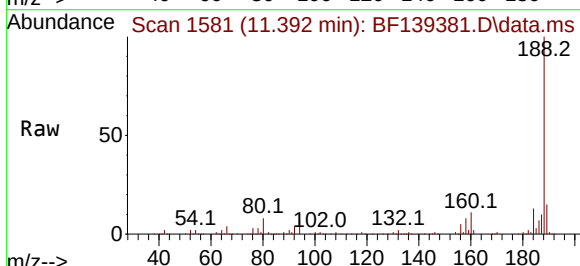
Tgt Ion: 188 Resp: 214775

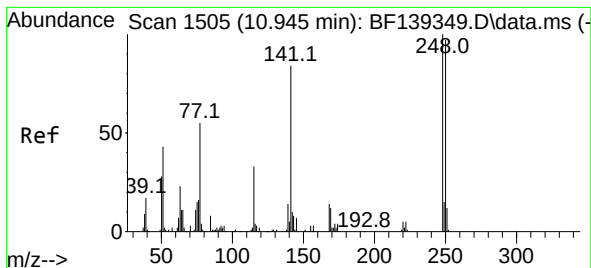
Ion Ratio Lower Upper

188 100

94 7.5 5.5 8.3

80 7.9 6.6 9.8

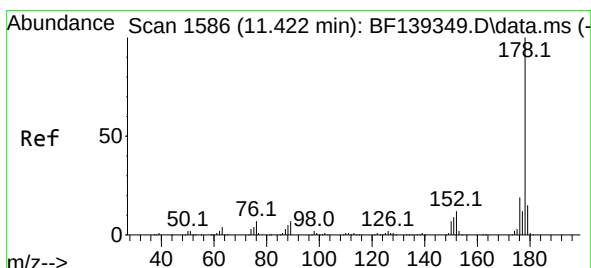
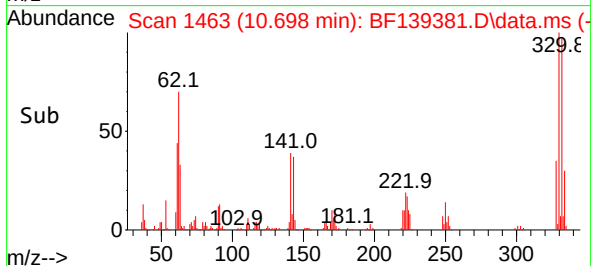
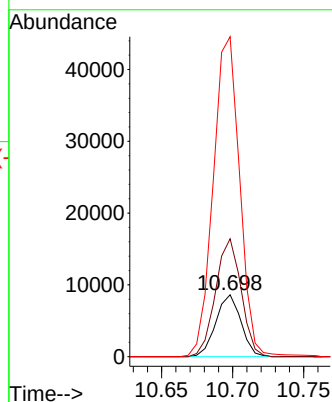
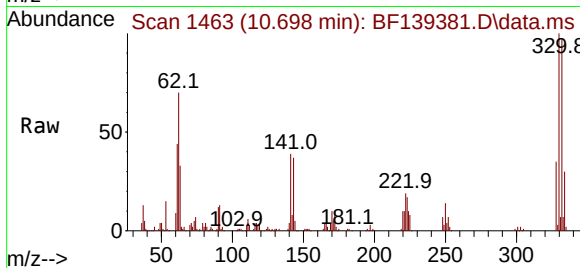




#67  
4-Bromophenyl-phenylether  
Concen: 4.987 ng  
RT: 10.698 min Scan# 1463  
Delta R.T. -0.247 min  
Lab File: BF139381.D  
Acq: 16 Sep 2024 16:30

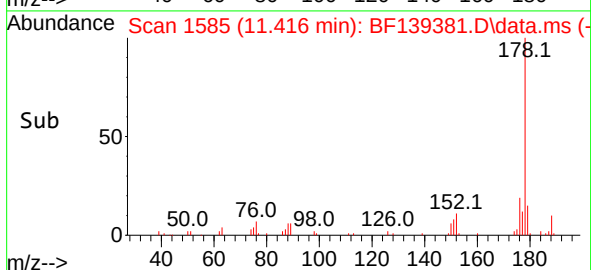
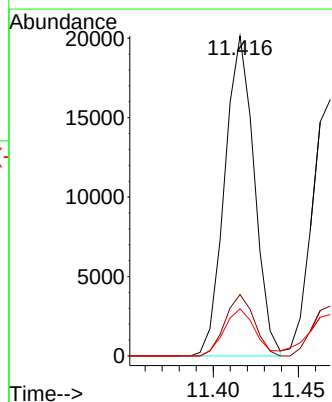
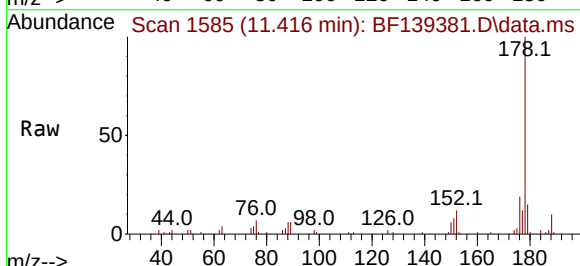
Instrument :  
BNA\_F  
ClientSampleId :  
72-11930

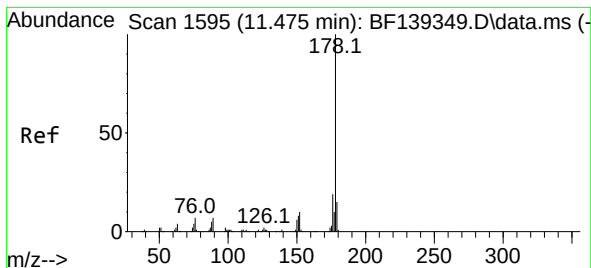
Tgt Ion:248 Resp: 10615  
Ion Ratio Lower Upper  
248 100  
250 190.3 77.6 116.4#  
141 516.7 66.9 100.3#



#71  
Phenanthrene  
Concen: 2.345 ng  
RT: 11.416 min Scan# 1585  
Delta R.T. -0.006 min  
Lab File: BF139381.D  
Acq: 16 Sep 2024 16:30

Tgt Ion:178 Resp: 24294  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.2 22.8  
179 14.7 12.2 18.4





#72

Anthracene

Concen: 2.097 ng

RT: 11.469 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139381.D

Acq: 16 Sep 2024 16:30

Instrument :

BNA\_F

ClientSampleId :

72-11930

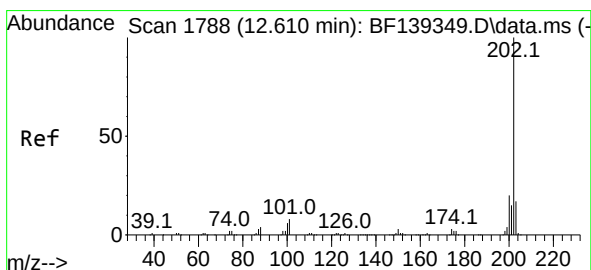
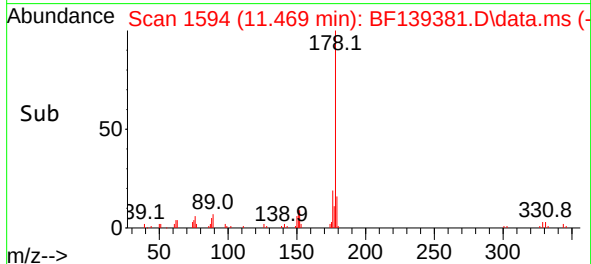
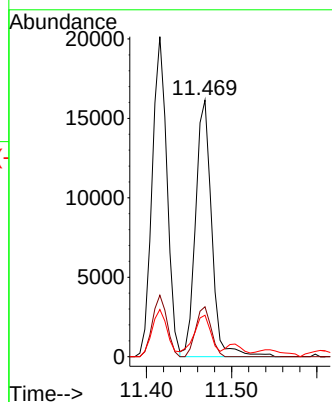
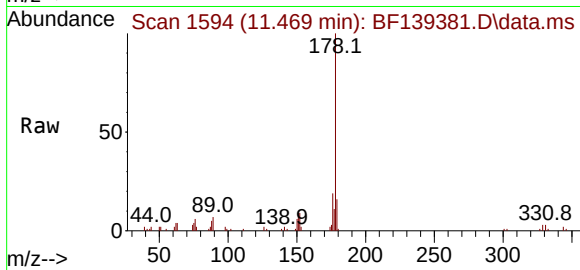
Tgt Ion:178 Resp: 21246

Ion Ratio Lower Upper

178 100

176 19.5 15.0 22.6

179 16.2 12.0 18.0



#75

Fluoranthene

Concen: 15.364 ng

RT: 12.604 min Scan# 1787

Delta R.T. -0.006 min

Lab File: BF139381.D

Acq: 16 Sep 2024 16:30

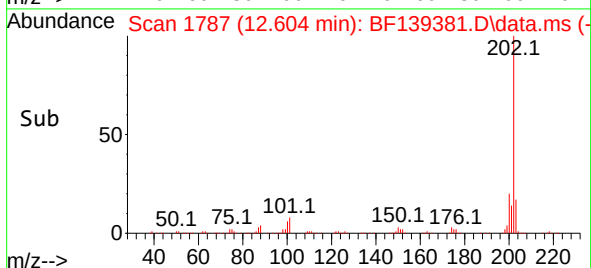
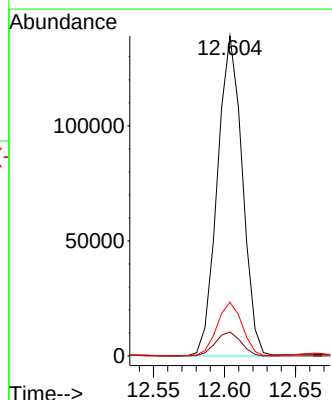
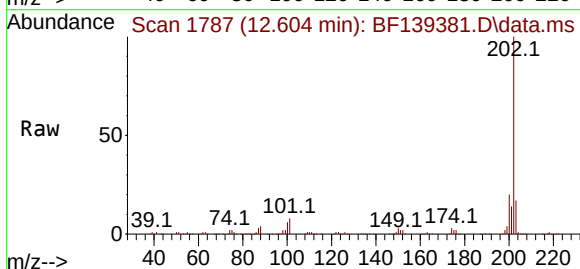
Tgt Ion:202 Resp: 170009

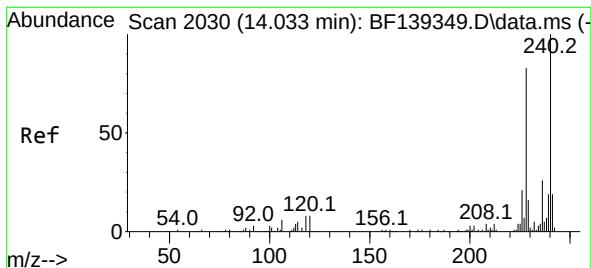
Ion Ratio Lower Upper

202 100

101 7.5 0.0 27.7

203 16.8 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139381.D

Acq: 16 Sep 2024 16:30

Instrument :

BNA\_F

ClientSampleId :

72-11930

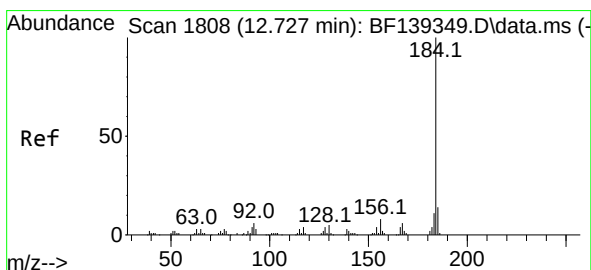
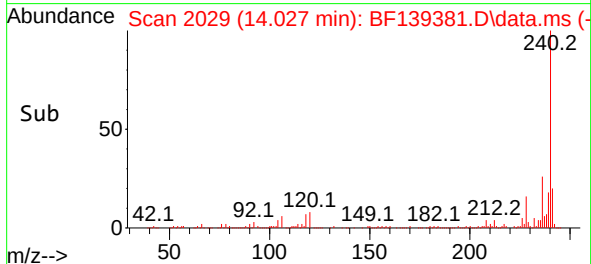
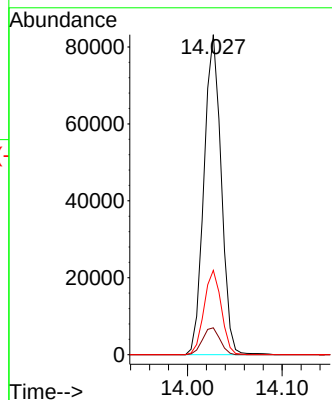
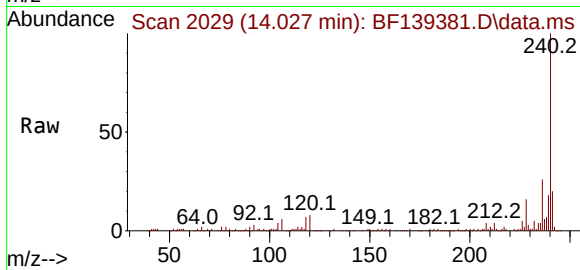
Tgt Ion:240 Resp: 104823

Ion Ratio Lower Upper

240 100

120 8.4 6.2 9.2

236 26.3 20.9 31.3



#77

Benzidine

Concen: 6.578 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.253 min

Lab File: BF139381.D

Acq: 16 Sep 2024 16:30

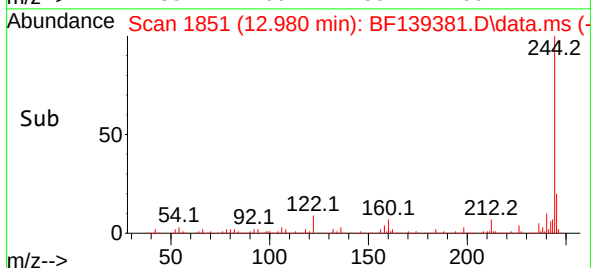
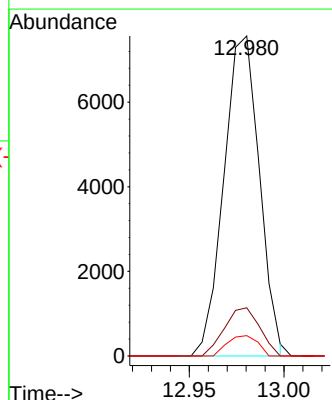
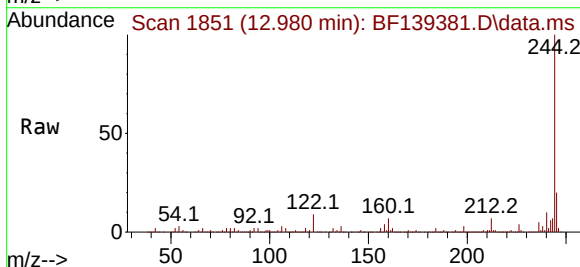
Tgt Ion:184 Resp: 9879

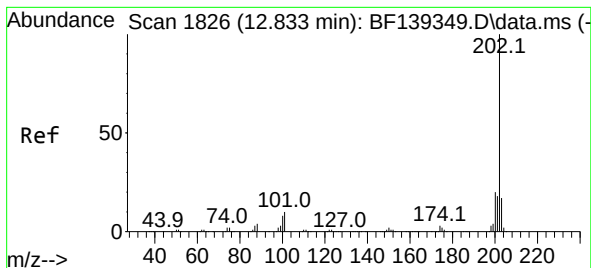
Ion Ratio Lower Upper

184 100

185 15.1 11.5 17.3

183 6.3 8.9 13.3#





#78

Pyrene

Concen: 10.804 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF139381.D

Acq: 16 Sep 2024 16:30

Instrument :

BNA\_F

ClientSampleId :

72-11930

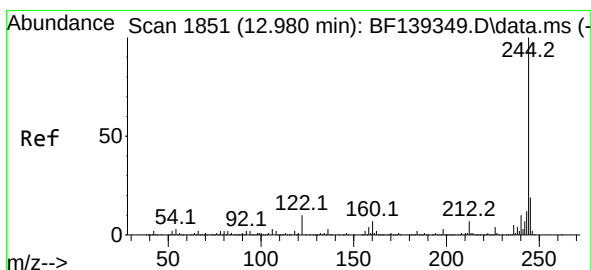
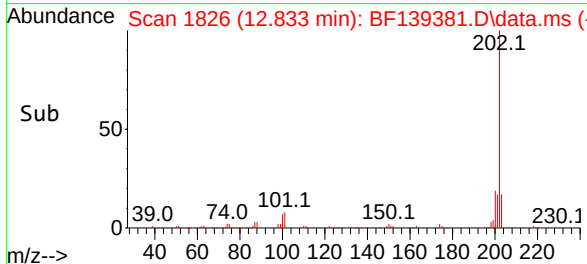
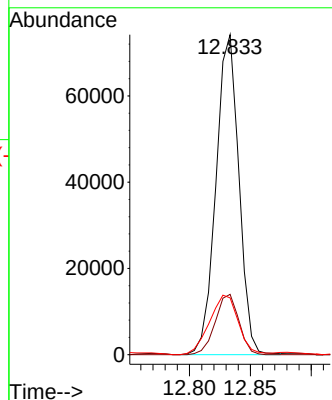
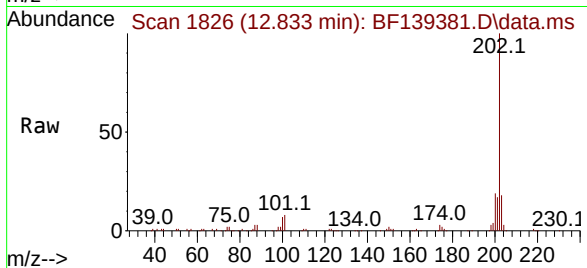
Tgt Ion:202 Resp: 97242

Ion Ratio Lower Upper

202 100

200 18.8 16.2 24.2

203 17.7 13.9 20.9



#79

Terphenyl-d14

Concen: 97.473 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139381.D

Acq: 16 Sep 2024 16:30

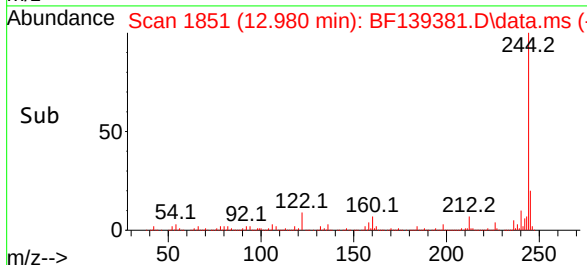
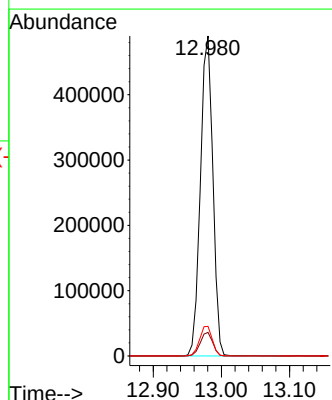
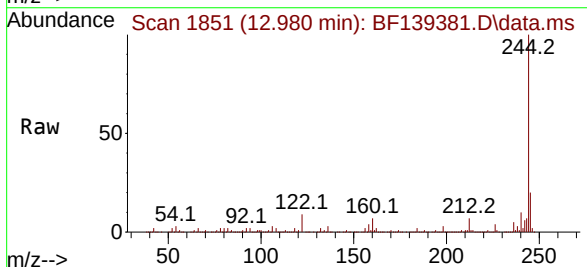
Tgt Ion:244 Resp: 622486

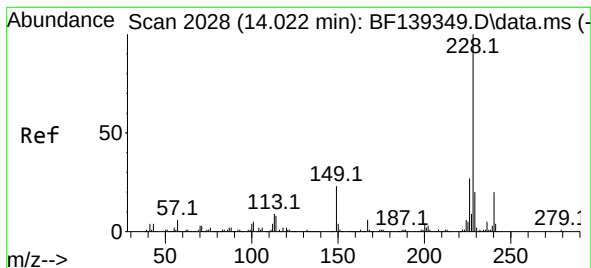
Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 9.2 7.6 11.4





#81

Benzo(a)anthracene

Concen: 5.011 ng

RT: 14.016 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF139381.D

Acq: 16 Sep 2024 16:30

Instrument :

BNA\_F

ClientSampleId :

72-11930

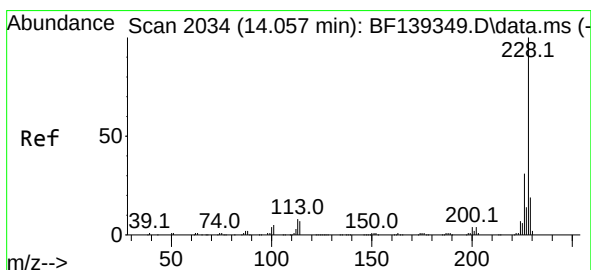
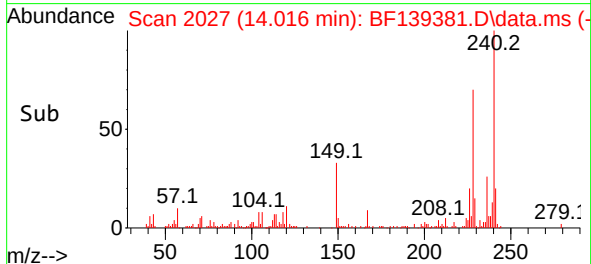
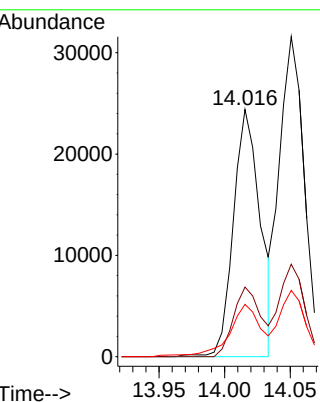
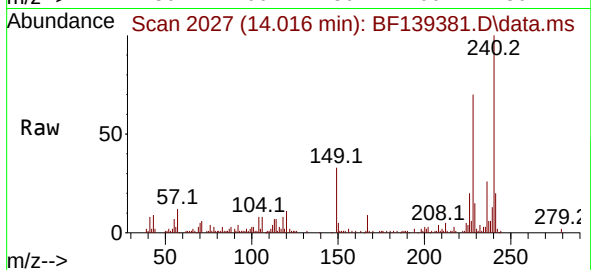
Tgt Ion:228 Resp: 34793

Ion Ratio Lower Upper

228 100

226 28.1 21.6 32.4

229 21.2 15.7 23.5



#83

Chrysene

Concen: 6.496 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF139381.D

Acq: 16 Sep 2024 16:30

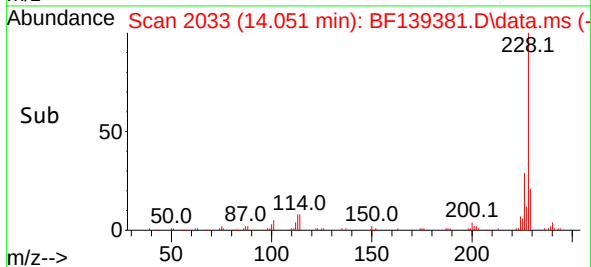
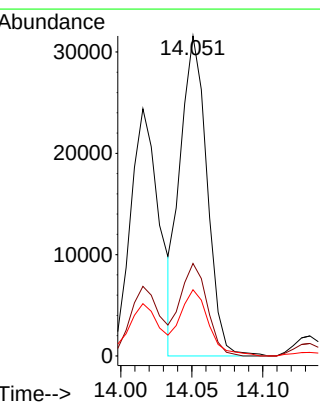
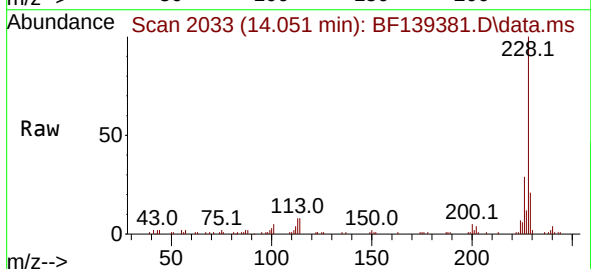
Tgt Ion:228 Resp: 41498

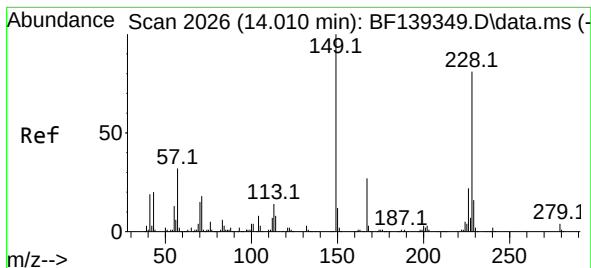
Ion Ratio Lower Upper

228 100

226 28.9 24.1 36.1

229 20.7 15.4 23.0

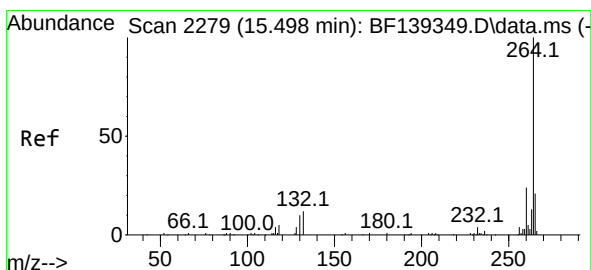
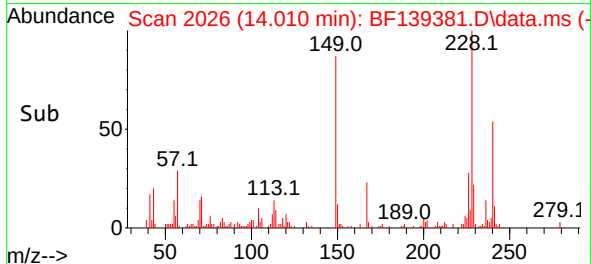
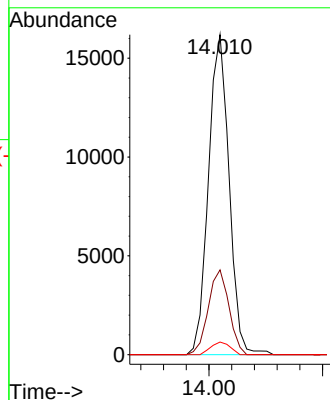
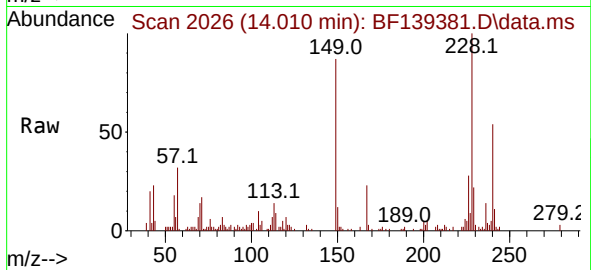




#84  
Bis(2-ethylhexyl)phthalate  
Concen: 5.226 ng  
RT: 14.010 min Scan# 2026  
Delta R.T. -0.000 min  
Lab File: BF139381.D  
Acq: 16 Sep 2024 16:30

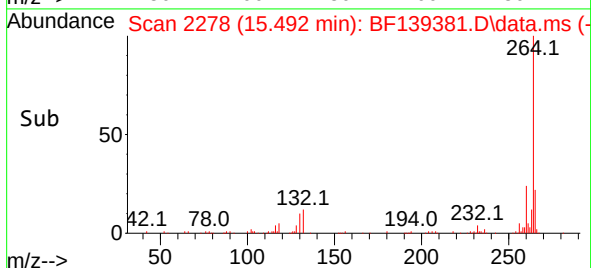
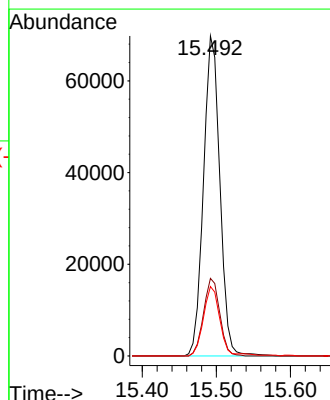
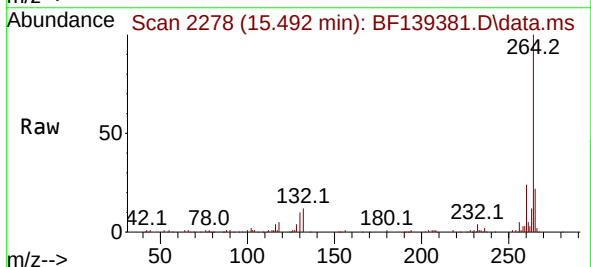
Instrument :  
BNA\_F  
ClientSampleId :  
72-11930

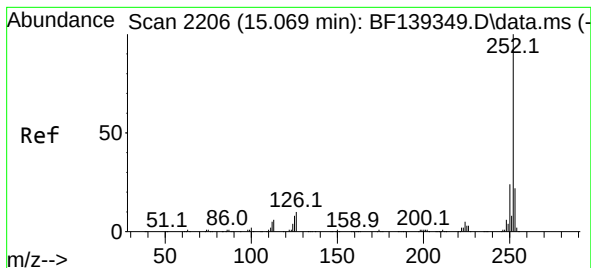
Tgt Ion:149 Resp: 20366  
Ion Ratio Lower Upper  
149 100  
167 26.5 21.6 32.4  
279 3.9 3.3 4.9



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.492 min Scan# 2278  
Delta R.T. -0.006 min  
Lab File: BF139381.D  
Acq: 16 Sep 2024 16:30

Tgt Ion:264 Resp: 107304  
Ion Ratio Lower Upper  
264 100  
260 24.3 19.5 29.3  
265 21.7 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 5.080 ng

RT: 15.063 min Scan# 2205

Delta R.T. -0.006 min

Lab File: BF139381.D

Acq: 16 Sep 2024 16:30

Instrument :

BNA\_F

ClientSampleId :

72-11930

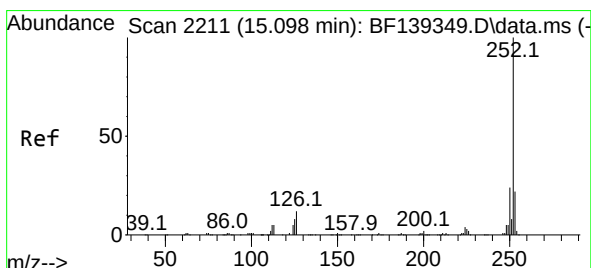
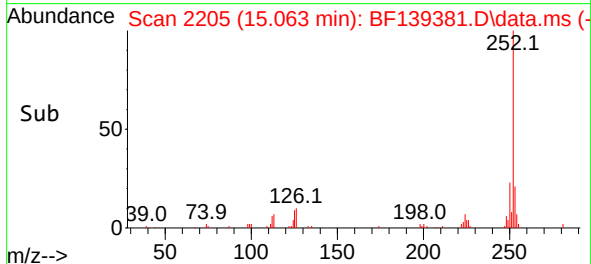
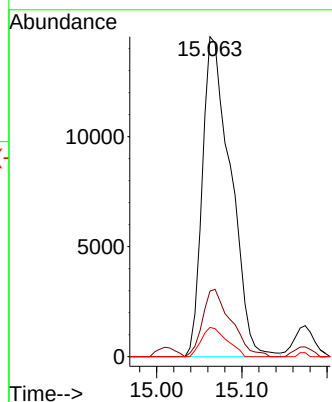
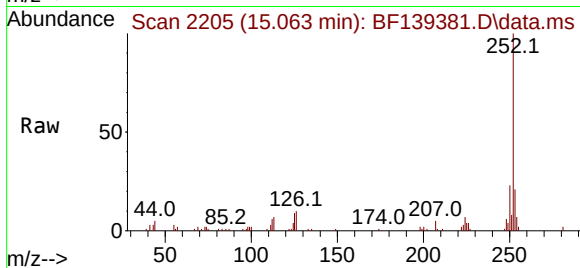
Tgt Ion:252 Resp: 33619

Ion Ratio Lower Upper

252 100

253 20.5 17.6 26.4

125 9.2 6.2 9.2



#89

Benzo(k)fluoranthene

Concen: 5.510 ng

RT: 15.063 min Scan# 2205

Delta R.T. -0.035 min

Lab File: BF139381.D

Acq: 16 Sep 2024 16:30

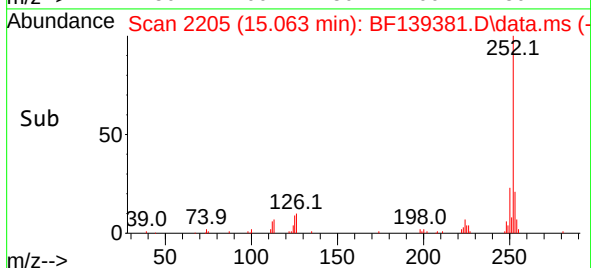
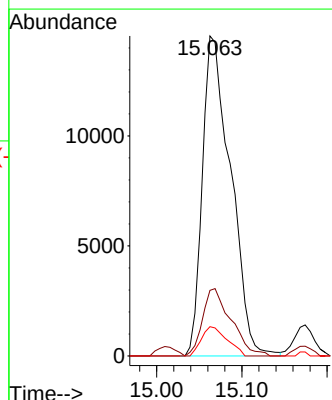
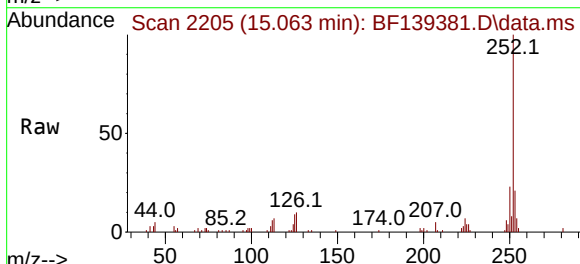
Tgt Ion:252 Resp: 33619

Ion Ratio Lower Upper

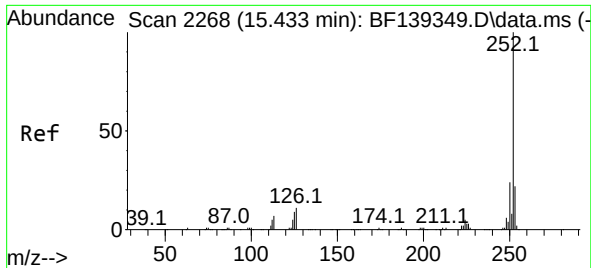
252 100

253 20.5 17.3 25.9

125 9.2 5.9 8.9#







#90

Benzo(a)pyrene

Concen: 2.422 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139381.D

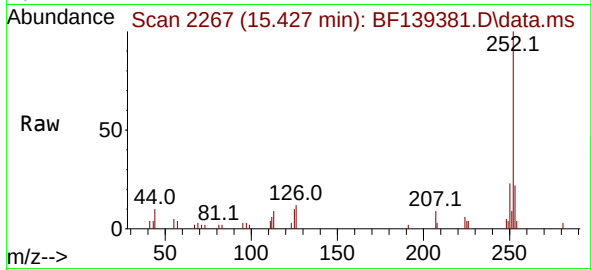
Acq: 16 Sep 2024 16:30

Instrument :

BNA\_F

ClientSampleId :

72-11930



Tgt Ion:252 Resp: 13291

Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 10.1 6.8 10.2

