

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052924\  
 Data File : BF138062.D  
 Acq On : 29 May 2024 16:38  
 Operator : CG\JU  
 Sample : P2560-09 5X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 INT-PE1

Quant Time: May 29 16:59:54 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF051424.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 15 04:12:16 2024  
 Response via : Initial Calibration

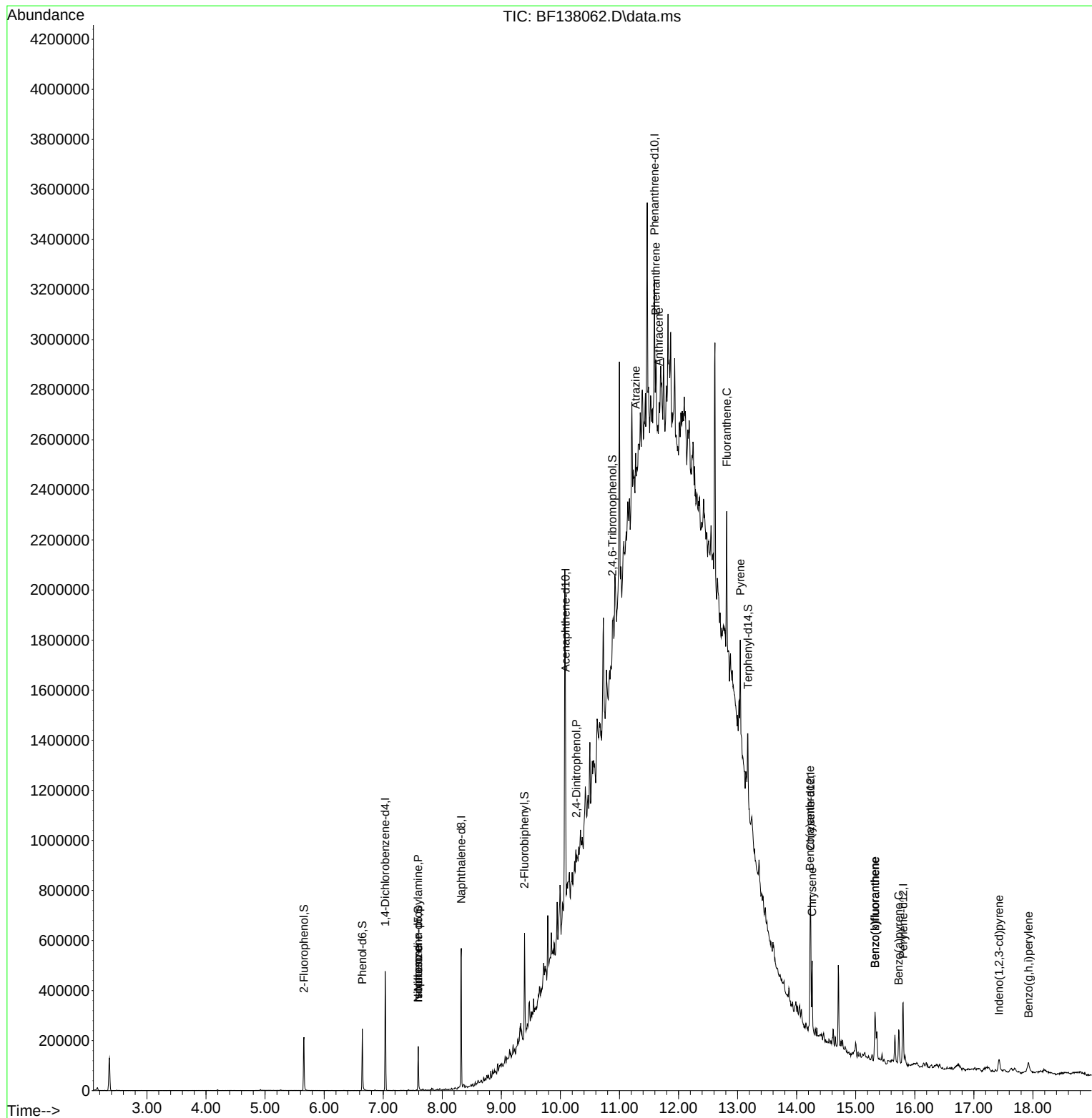
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.034  | 152  | 70426    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.322  | 136  | 254913   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.086 | 164  | 128461   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.592 | 188  | 171656   | 20.000 | ng    | # 0.01   |
| 76) Chrysene-d12              | 14.233 | 240  | 150763   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.804 | 264  | 132808   | 20.000 | ng    | 0.02     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.657  | 112  | 68495    | 16.521 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.646  | 99   | 83677    | 16.384 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.593  | 82   | 50403    | 11.636 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.881 | 330  | 21879    | 16.891 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.392  | 172  | 122226   | 14.656 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.175 | 244  | 100400   | 9.815  | ng    | 0.01     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.593  | 70   | 6659     | 2.321  | ng    | # 76     |
| 25) Isophorone                | 7.593  | 82   | 50402    | 6.704  | ng    | # 64     |
| 54) 2,4-Dinitrophenol         | 10.269 | 184  | 72       | 7.033  | ng    | # 1      |
| 69) Atrazine                  | 11.275 | 200  | 7877     | 5.480  | ng    | # 27     |
| 71) Phenanthrene              | 11.616 | 178  | 82662    | 9.772  | ng    | # 86     |
| 72) Anthracene                | 11.669 | 178  | 21557    | 2.568  | ng    | # 48     |
| 75) Fluoranthene              | 12.816 | 202  | 209269   | 24.373 | ng    | 95       |
| 78) Pyrene                    | 13.045 | 202  | 179910   | 13.644 | ng    | 97       |
| 81) Benzo(a)anthracene        | 14.227 | 228  | 119031   | 12.479 | ng    | 97       |
| 83) Chrysene                  | 14.263 | 228  | 113849   | 12.481 | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.427 | 276  | 31958    | 3.745  | ng    | # 94     |
| 88) Benzo(b)fluoranthene      | 15.327 | 252  | 157059   | 20.425 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.327 | 252  | 157059   | 20.791 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.727 | 252  | 69854    | 10.638 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.927 | 276  | 29119    | 3.932  | ng    | # 95     |
| -----                         |        |      |          |        |       |          |

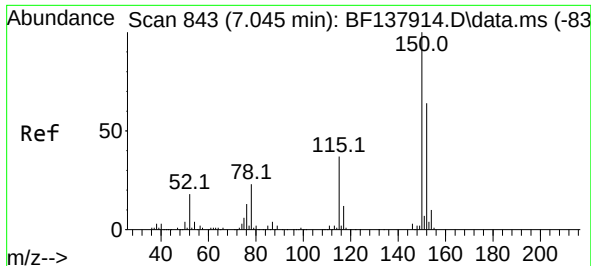
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052924\  
Data File : BF138062.D  
Acq On : 29 May 2024 16:38  
Operator : CG\JU  
Sample : P2560-09 5X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
INT-PE1

Quant Time: May 29 16:59:54 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF051424.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 15 04:12:16 2024  
Response via : Initial Calibration

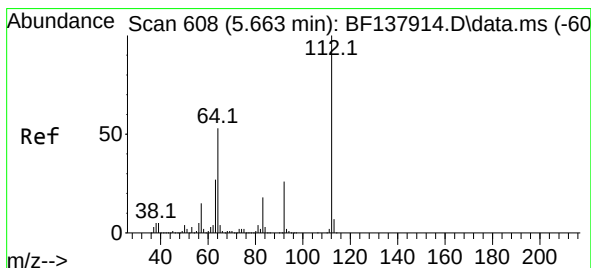
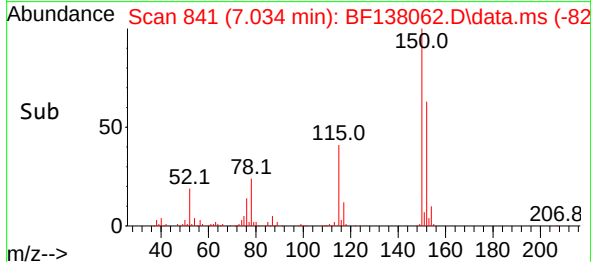
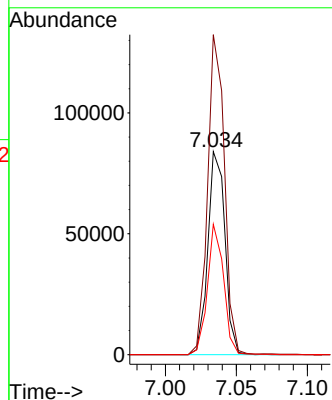
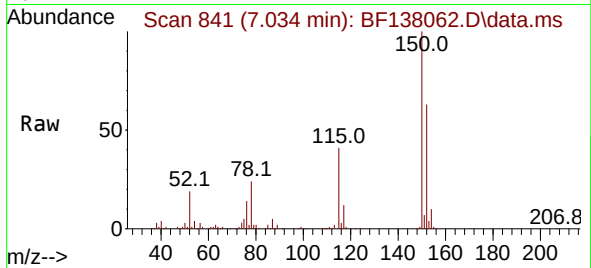




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.034 min Scan# 843  
Delta R.T. -0.011 min  
Lab File: BF138062.D  
Acq: 29 May 2024 16:38

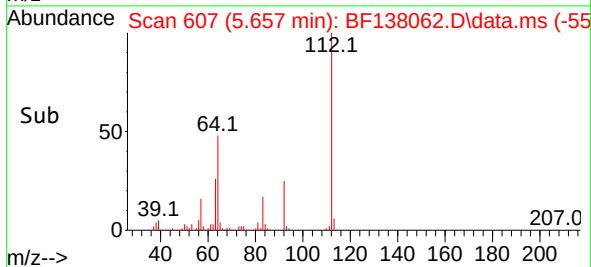
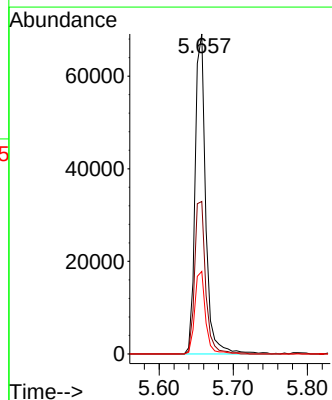
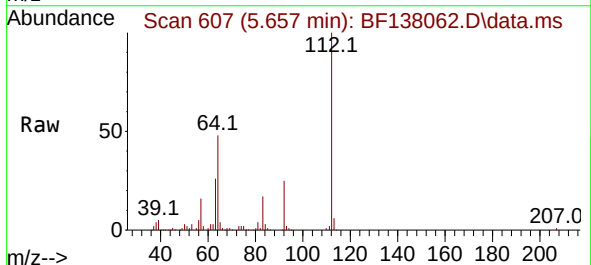
Instrument :  
BNA\_F  
ClientSampleId :  
INT-PE1

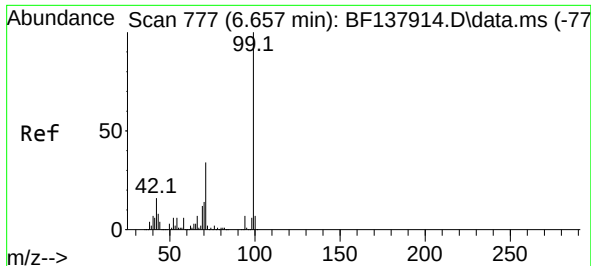
Tgt Ion:152 Resp: 70426  
Ion Ratio Lower Upper  
152 100  
150 157.6 125.7 188.5  
115 64.2 47.0 70.6



#5  
2-Fluorophenol  
Concen: 16.521 ng  
RT: 5.657 min Scan# 607  
Delta R.T. -0.006 min  
Lab File: BF138062.D  
Acq: 29 May 2024 16:38

Tgt Ion:112 Resp: 68495  
Ion Ratio Lower Upper  
112 100  
64 47.6 42.4 63.6  
63 25.8 21.4 32.2





#7  
Phenol-d6  
Concen: 16.384 ng  
RT: 6.646 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF138062.D  
Acq: 29 May 2024 16:38

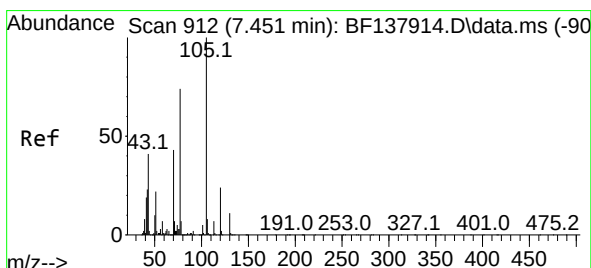
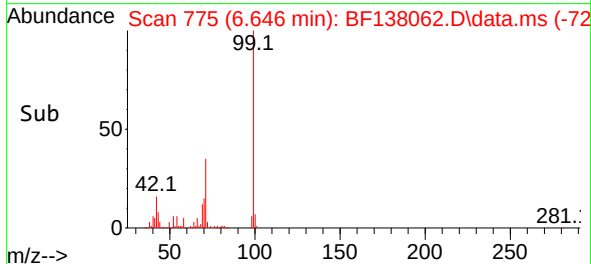
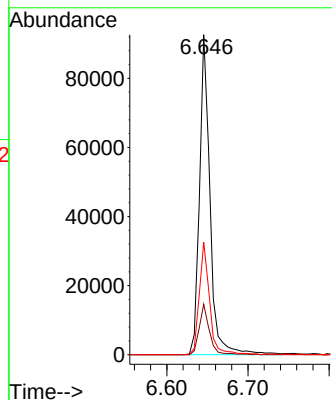
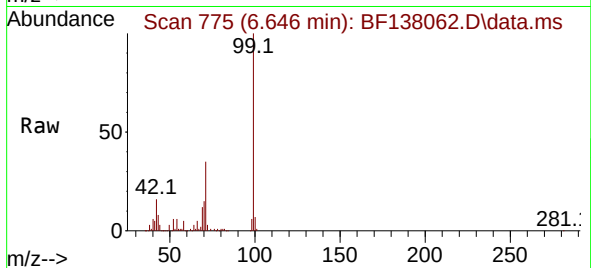
Instrument :

BNA\_F

ClientSampleId :

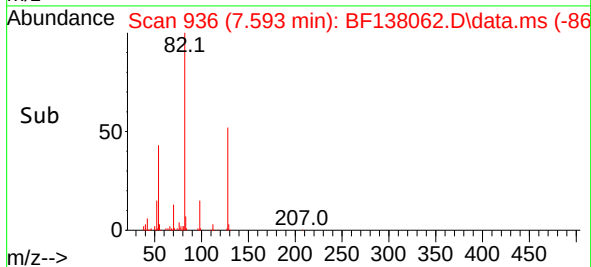
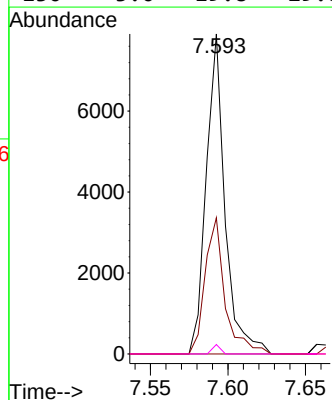
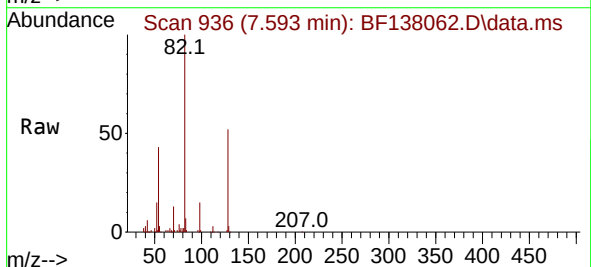
INT-PE1

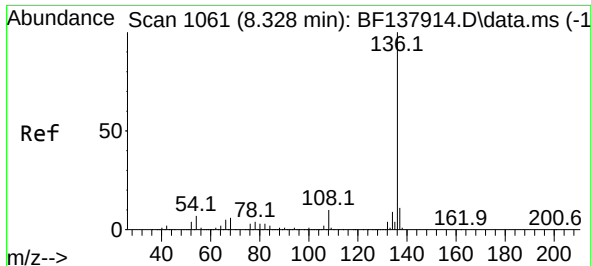
Tgt Ion: 99 Resp: 83677  
Ion Ratio Lower Upper  
99 100  
42 15.8 12.6 18.8  
71 35.1 27.1 40.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 2.321 ng  
RT: 7.593 min Scan# 936  
Delta R.T. 0.141 min  
Lab File: BF138062.D  
Acq: 29 May 2024 16:38

Tgt Ion: 70 Resp: 6659  
Ion Ratio Lower Upper  
70 100  
42 42.5 42.2 63.4  
101 0.0 8.8 13.2#  
130 3.0 19.8 29.8#

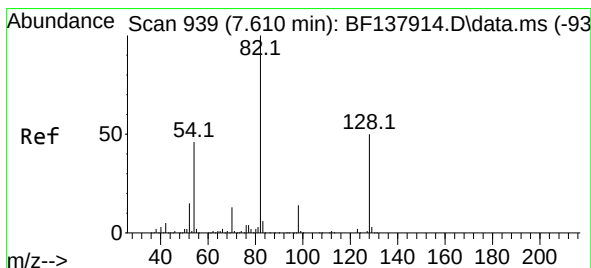
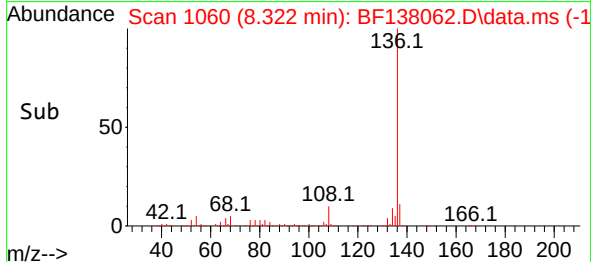
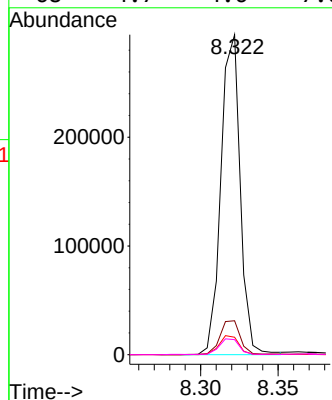
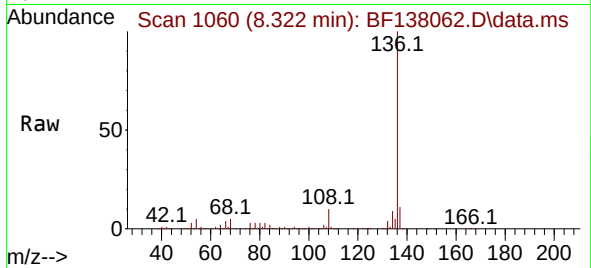




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.322 min Scan# 1061  
Delta R.T. -0.006 min  
Lab File: BF138062.D  
Acq: 29 May 2024 16:38

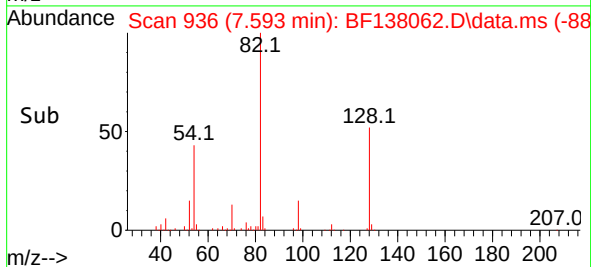
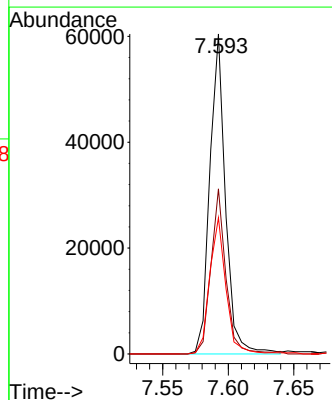
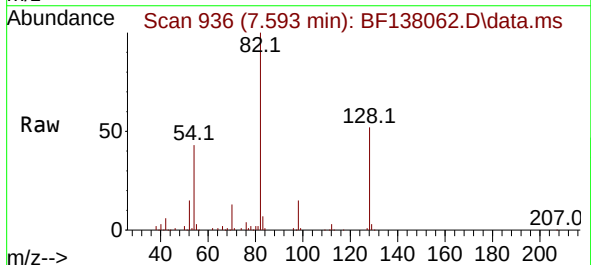
Instrument :  
BNA\_F  
ClientSampleId :  
INT-PE1

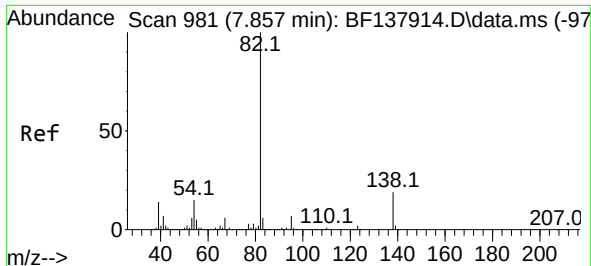
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:136 | Resp: | 254913 |
| Ion | Ratio   | Lower | Upper  |
| 136 | 100     |       |        |
| 137 | 10.6    | 8.7   | 13.1   |
| 54  | 5.4     | 5.4   | 8.2    |
| 68  | 4.7     | 4.6   | 7.0    |



#23  
Nitrobenzene-d5  
Concen: 11.636 ng  
RT: 7.593 min Scan# 936  
Delta R.T. -0.017 min  
Lab File: BF138062.D  
Acq: 29 May 2024 16:38

|             |             |
|-------------|-------------|
| Tgt Ion: 82 | Resp: 50403 |
| Ion Ratio   | Lower Upper |
| 82 100      |             |
| 128 51.6    | 40.3 60.5   |
| 54 42.5     | 36.8 55.2   |

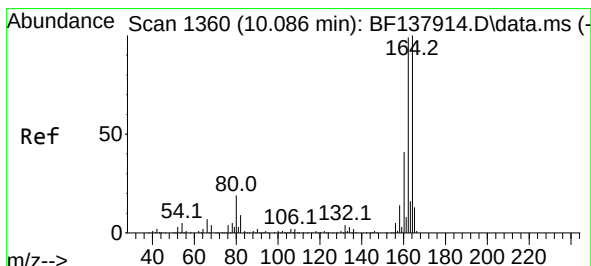
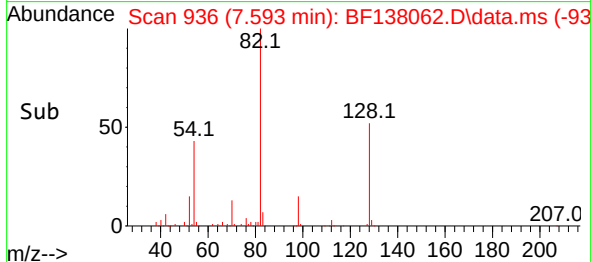
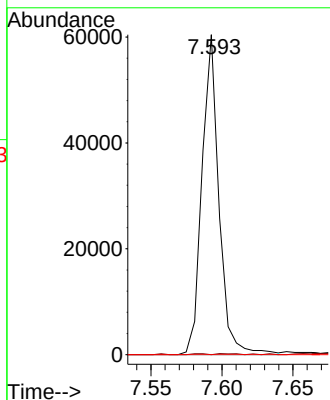
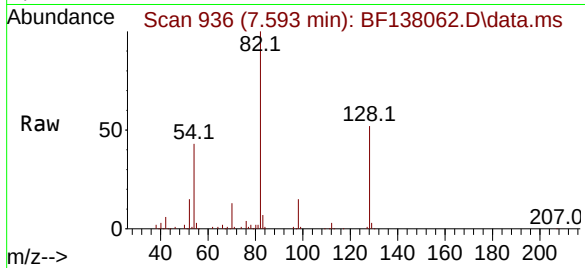




#25  
Isophorone  
Concen: 6.704 ng  
RT: 7.593 min Scan# 91  
Delta R.T. -0.265 min  
Lab File: BF138062.D  
Acq: 29 May 2024 16:38

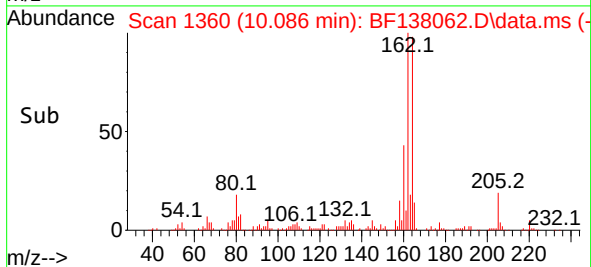
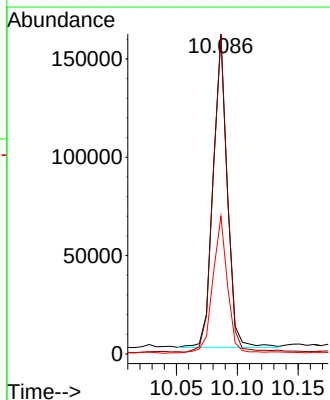
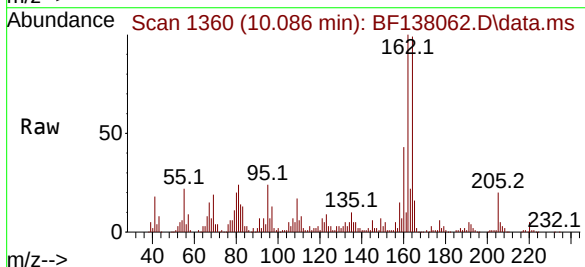
Instrument :  
BNA\_F  
ClientSampleId :  
INT-PE1

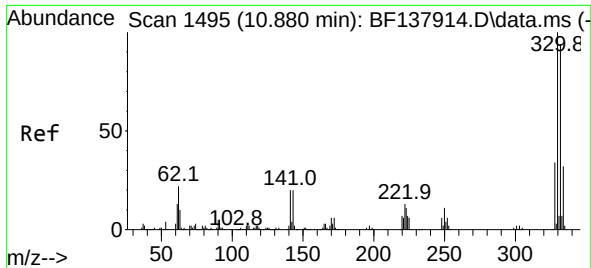
Tgt Ion: 82 Resp: 50402  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 15.0 22.4#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.086 min Scan# 1360  
Delta R.T. 0.000 min  
Lab File: BF138062.D  
Acq: 29 May 2024 16:38

Tgt Ion:164 Resp: 128461  
Ion Ratio Lower Upper  
164 100  
162 100.6 79.4 119.2  
160 43.3 33.1 49.7

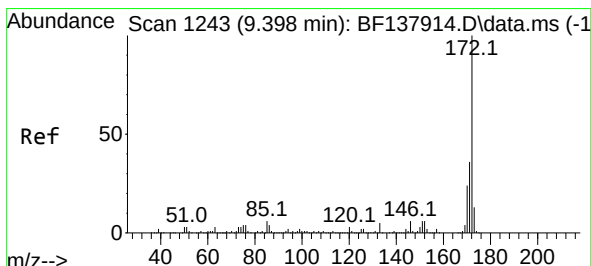
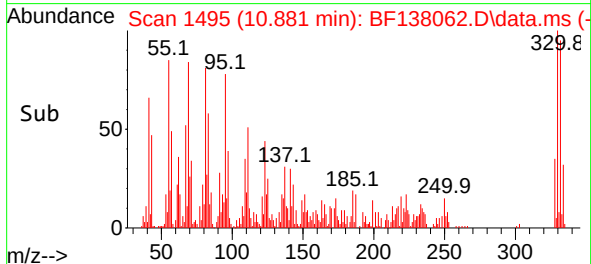
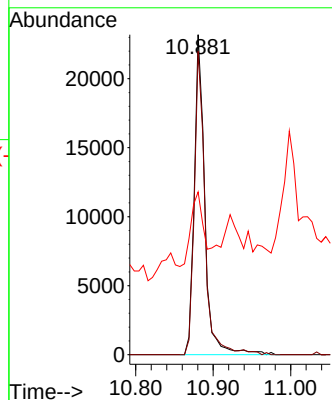
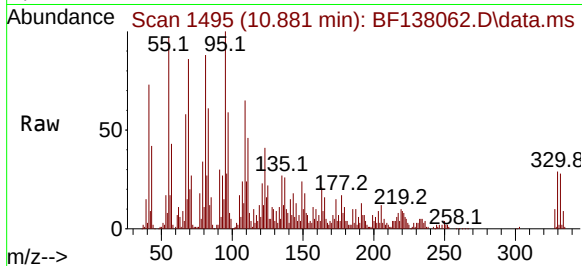




#42  
2,4,6-Tribromophenol  
Concen: 16.891 ng  
RT: 10.881 min Scan# 1495  
Delta R.T. 0.000 min  
Lab File: BF138062.D  
Acq: 29 May 2024 16:38

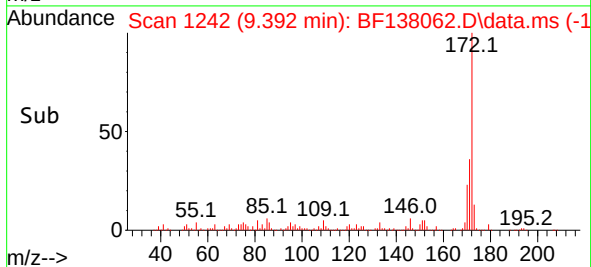
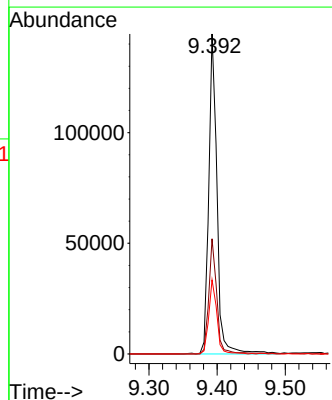
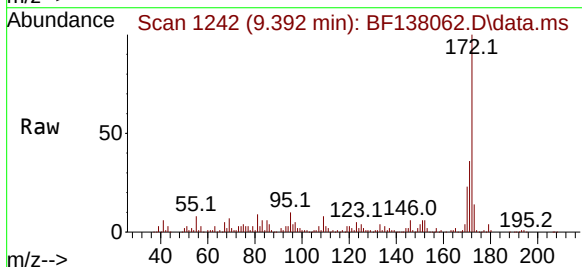
Instrument :  
BNA\_F  
ClientSampleId :  
INT-PE1

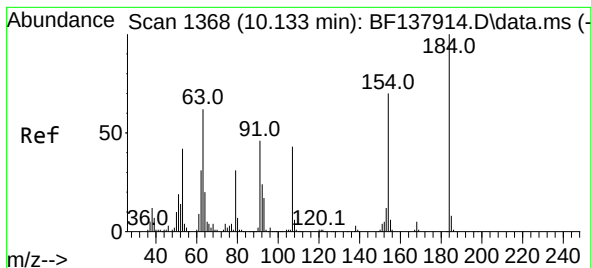
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 21879 |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 95.9  | 75.8  | 113.8 |
| 141       | 28.6  | 23.8  | 35.6  |



#45  
2-Fluorobiphenyl  
Concen: 14.656 ng  
RT: 9.392 min Scan# 1242  
Delta R.T. -0.006 min  
Lab File: BF138062.D  
Acq: 29 May 2024 16:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 172   | Resp: | 122226 |
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 36.0  | 28.9  | 43.3   |
| 170       | 23.2  | 18.9  | 28.3   |





#54

2,4-Dinitrophenol

Concen: 7.033 ng

RT: 10.269 min Scan# 1

Delta R.T. 0.136 min

Lab File: BF138062.D

Acq: 29 May 2024 16:38

Instrument :

BNA\_F

ClientSampleId :

INT-PE1

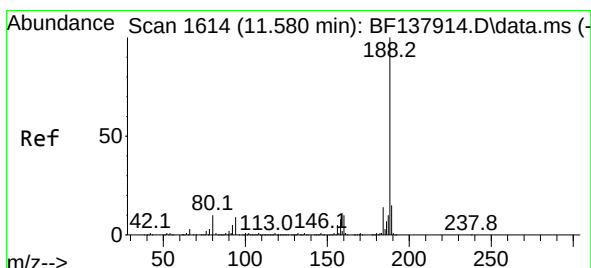
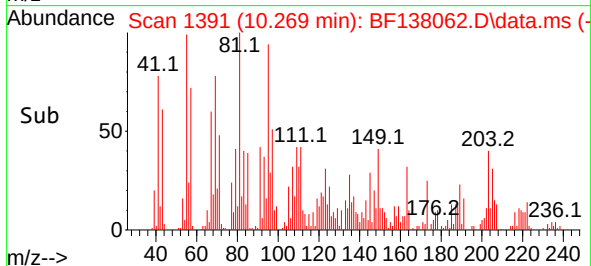
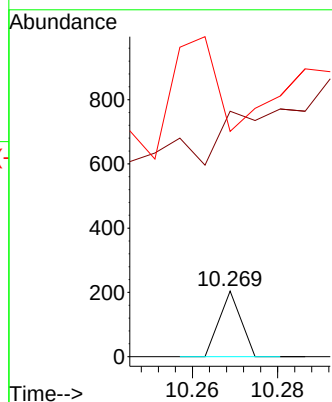
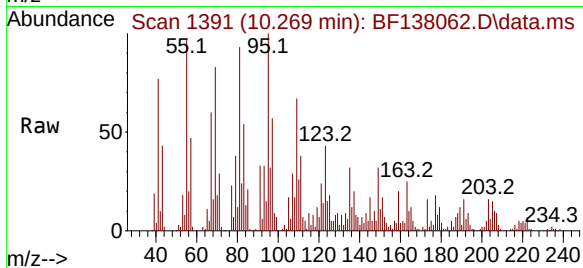
Tgt Ion:184 Resp: 72

Ion Ratio Lower Upper

184 100

63 374.5 50.4 75.6#

154 343.6 63.7 95.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.592 min Scan# 1616

Delta R.T. 0.012 min

Lab File: BF138062.D

Acq: 29 May 2024 16:38

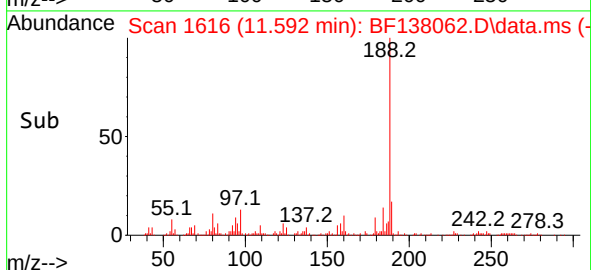
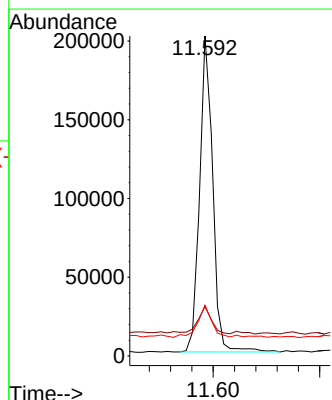
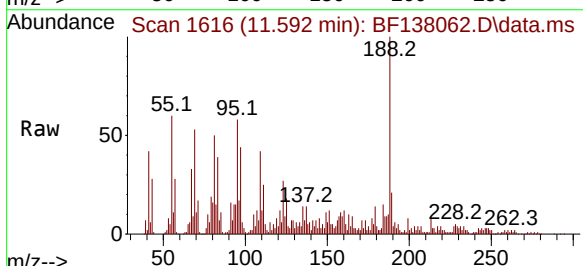
Tgt Ion:188 Resp: 171656

Ion Ratio Lower Upper

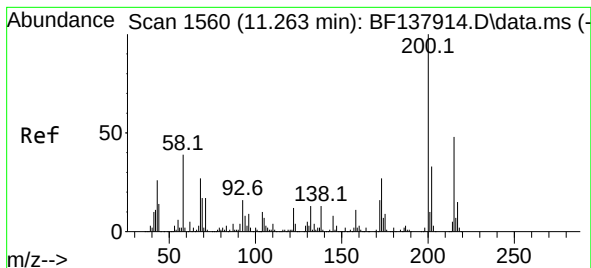
188 100

94 15.5 7.0 10.4#

80 15.8 7.7 11.5#







#69

Atrazine

Concen: 5.480 ng

RT: 11.275 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF138062.D

Acq: 29 May 2024 16:38

Instrument :

BNA\_F

ClientSampleId :

INT-PE1

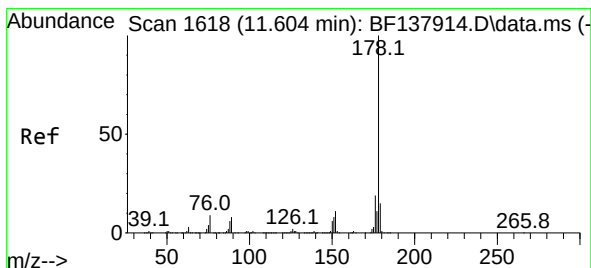
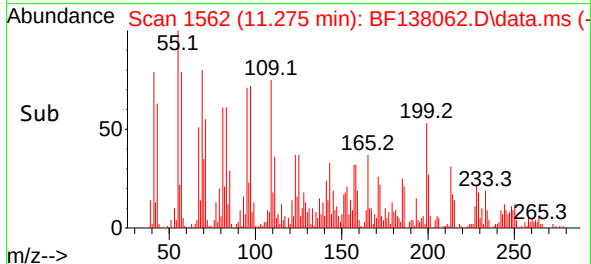
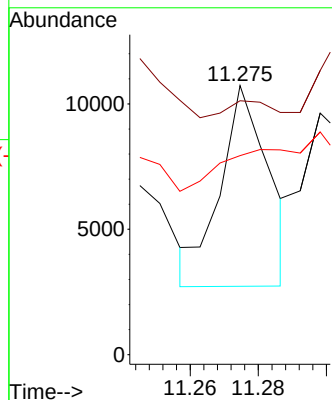
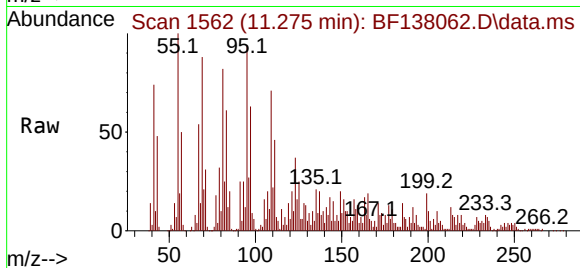
Tgt Ion:200 Resp: 7877

Ion Ratio Lower Upper

200 100

173 94.4 6.6 46.6#

215 74.0 27.5 67.5#



#71

Phenanthrene

Concen: 9.772 ng

RT: 11.616 min Scan# 1620

Delta R.T. 0.012 min

Lab File: BF138062.D

Acq: 29 May 2024 16:38

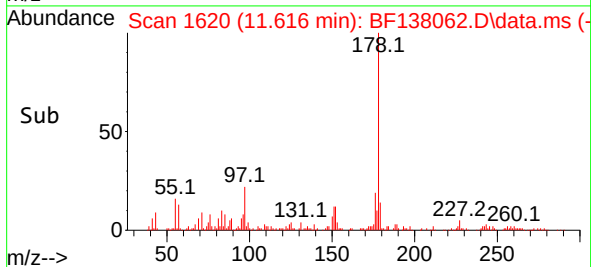
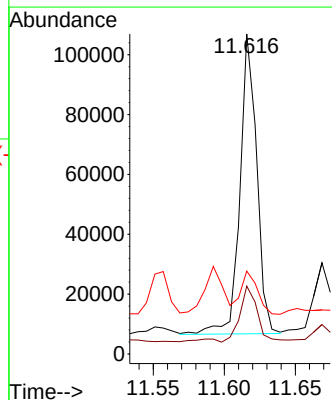
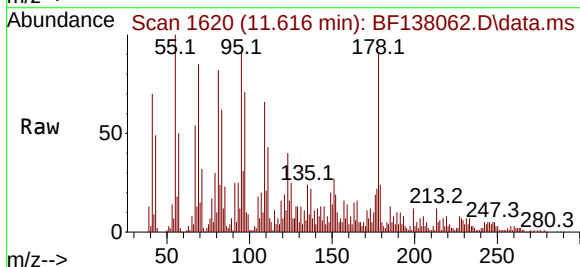
Tgt Ion:178 Resp: 82662

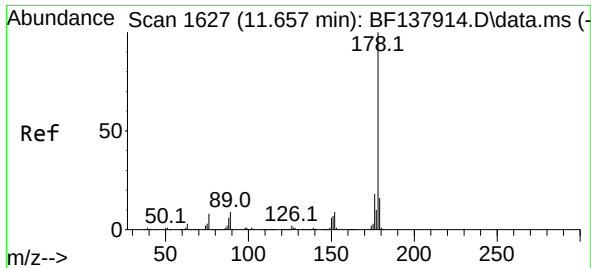
Ion Ratio Lower Upper

178 100

176 21.2 15.2 22.8

179 25.9 12.2 18.4#

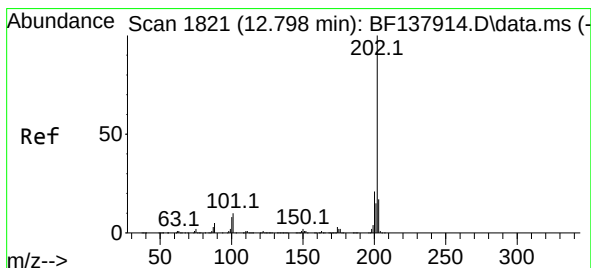
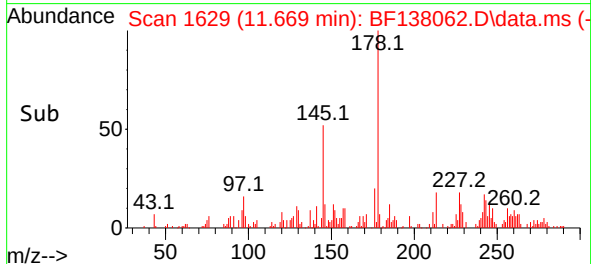
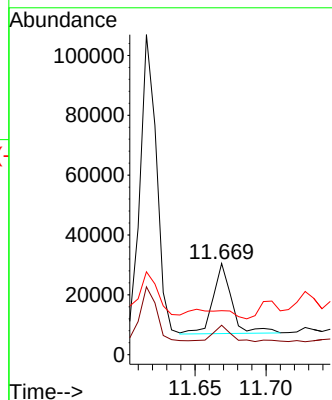
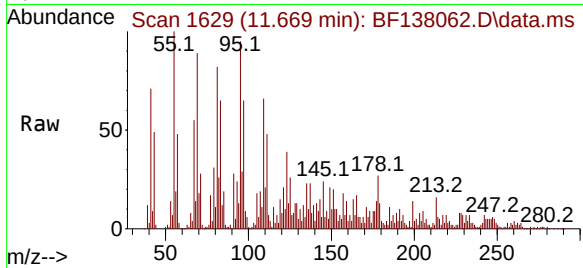




#72  
 Anthracene  
 Concen: 2.568 ng  
 RT: 11.669 min Scan# 1  
 Delta R.T. 0.012 min  
 Lab File: BF138062.D  
 Acq: 29 May 2024 16:38

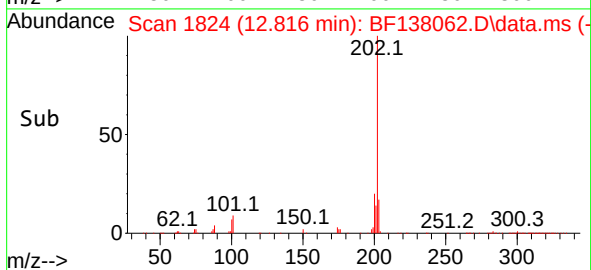
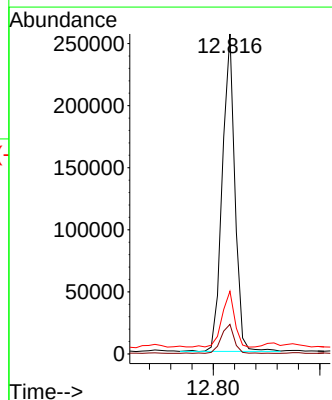
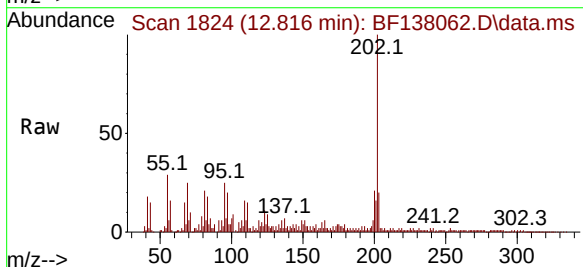
Instrument :  
 BNA\_F  
 ClientSampleId :  
 INT-PE1

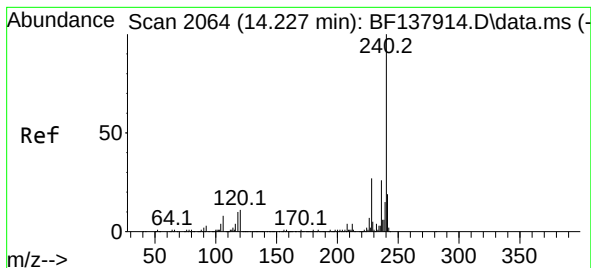
Tgt Ion:178 Resp: 21557  
 Ion Ratio Lower Upper  
 178 100  
 176 32.3 14.7 22.1#  
 179 48.2 12.4 18.6#



#75  
 Fluoranthene  
 Concen: 24.373 ng  
 RT: 12.816 min Scan# 1824  
 Delta R.T. 0.018 min  
 Lab File: BF138062.D  
 Acq: 29 May 2024 16:38

Tgt Ion:202 Resp: 209269  
 Ion Ratio Lower Upper  
 202 100  
 101 9.2 0.0 30.5  
 203 19.6 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.233 min Scan# 2065

Delta R.T. 0.006 min

Lab File: BF138062.D

Acq: 29 May 2024 16:38

Instrument :

BNA\_F

ClientSampleId :

INT-PE1

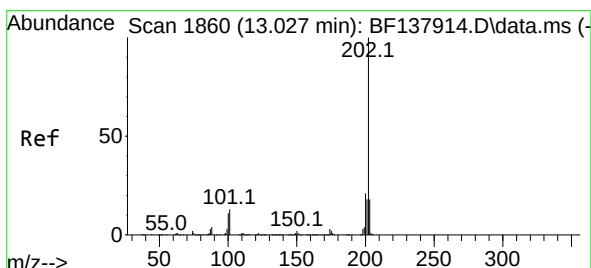
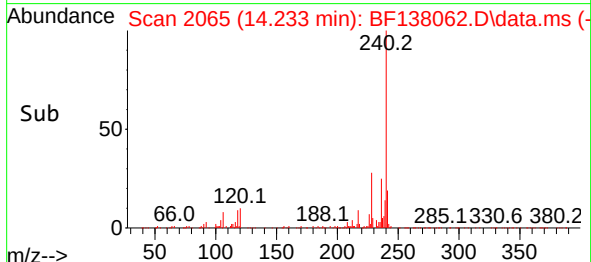
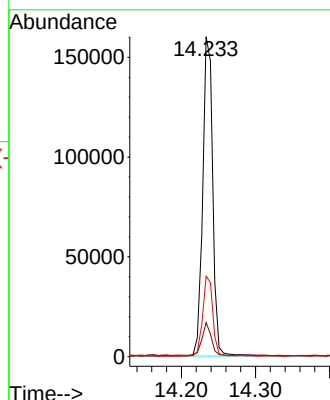
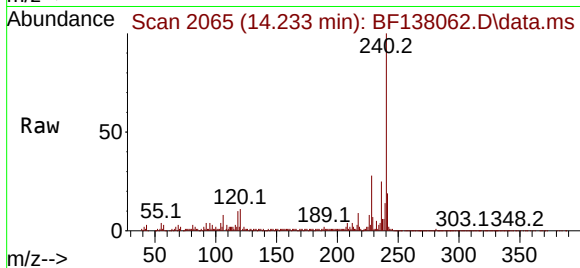
Tgt Ion:240 Resp: 150763

Ion Ratio Lower Upper

240 100

120 10.7 8.9 13.3

236 25.1 21.0 31.4



#78

Pyrene

Concen: 13.644 ng

RT: 13.045 min Scan# 1863

Delta R.T. 0.018 min

Lab File: BF138062.D

Acq: 29 May 2024 16:38

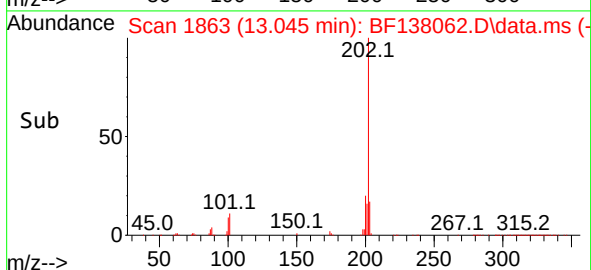
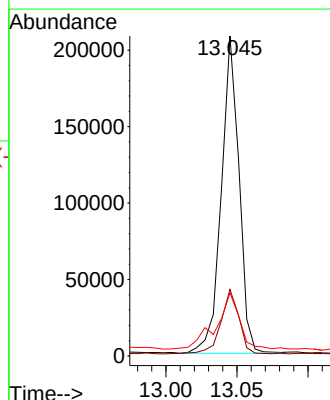
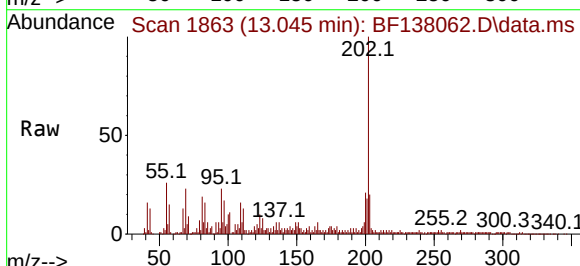
Tgt Ion:202 Resp: 179910

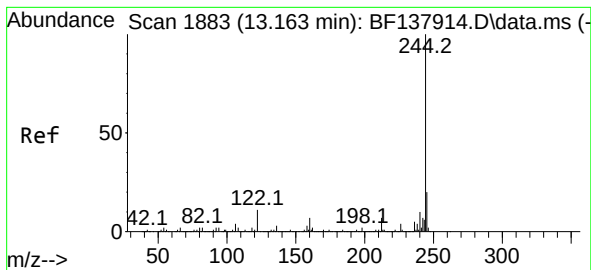
Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.4

203 19.7 14.1 21.1





#79

Terphenyl-d14

Concen: 9.815 ng

RT: 13.175 min Scan# 1885

Delta R.T. 0.012 min

Lab File: BF138062.D

Acq: 29 May 2024 16:38

Instrument :

BNA\_F

ClientSampleId :

INT-PE1

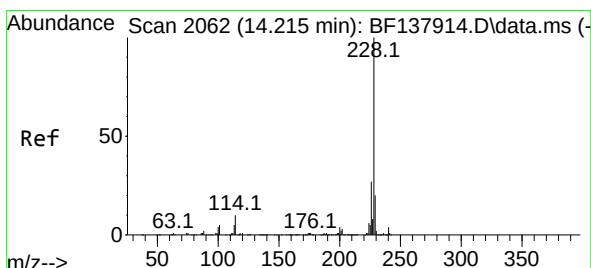
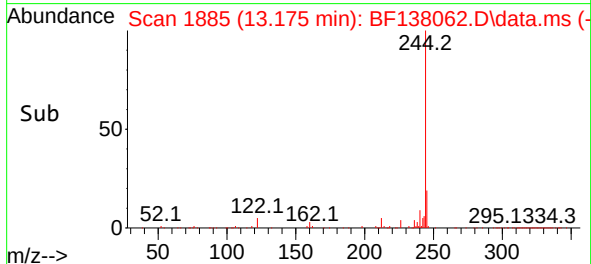
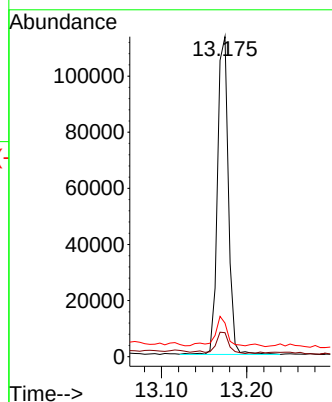
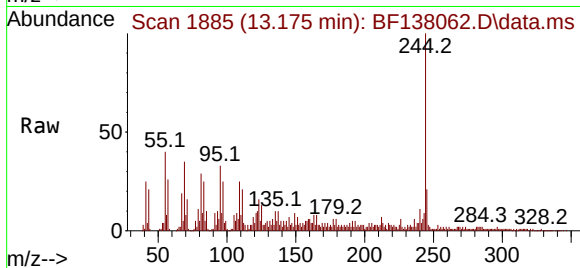
Tgt Ion:244 Resp: 100400

Ion Ratio Lower Upper

244 100

212 7.5 5.6 8.4

122 10.5 8.8 13.2



#81

Benzo(a)anthracene

Concen: 12.479 ng

RT: 14.227 min Scan# 2064

Delta R.T. 0.012 min

Lab File: BF138062.D

Acq: 29 May 2024 16:38

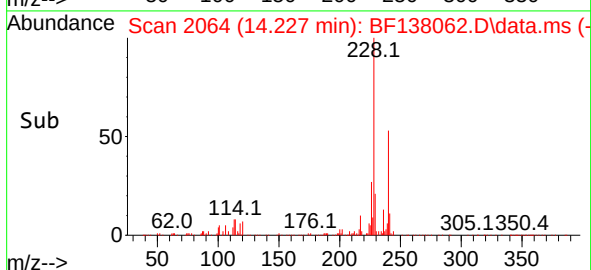
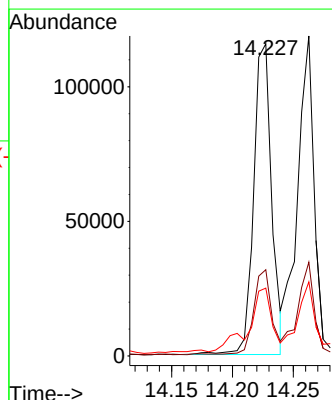
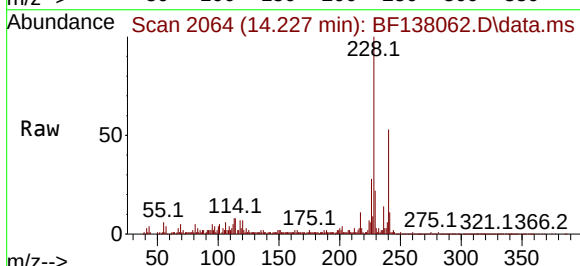
Tgt Ion:228 Resp: 119031

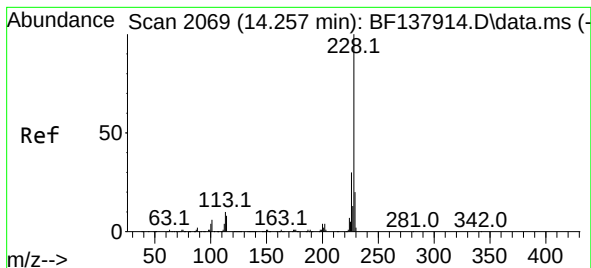
Ion Ratio Lower Upper

228 100

226 27.6 21.3 31.9

229 21.7 15.7 23.5





#83

Chrysene

Concen: 12.481 ng

RT: 14.263 min Scan# 2069

Delta R.T. 0.006 min

Lab File: BF138062.D

Acq: 29 May 2024 16:38

Instrument :

BNA\_F

ClientSampleId :

INT-PE1

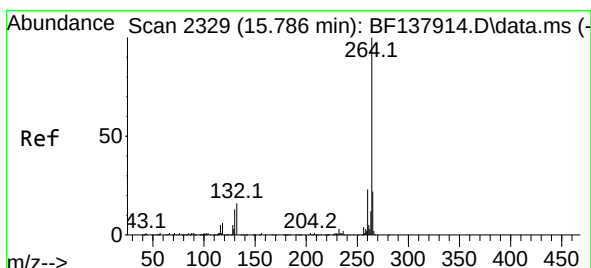
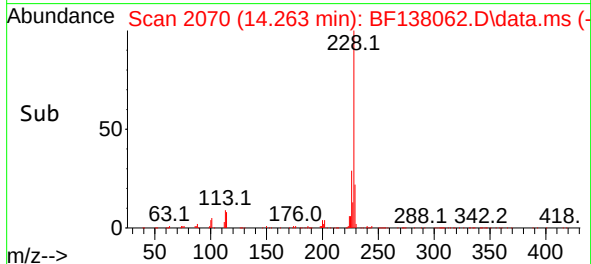
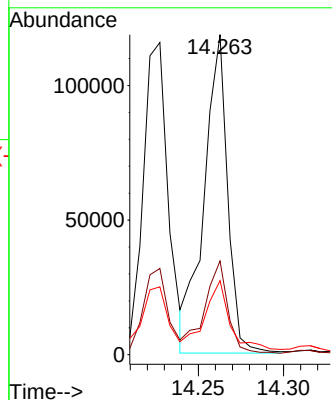
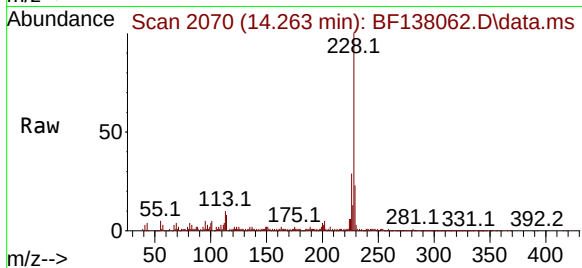
Tgt Ion:228 Resp: 113849

Ion Ratio Lower Upper

228 100

226 29.3 23.8 35.8

229 23.1 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.804 min Scan# 2332

Delta R.T. 0.018 min

Lab File: BF138062.D

Acq: 29 May 2024 16:38

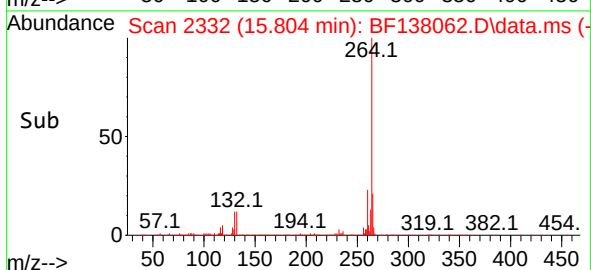
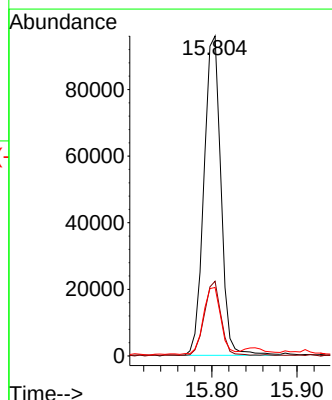
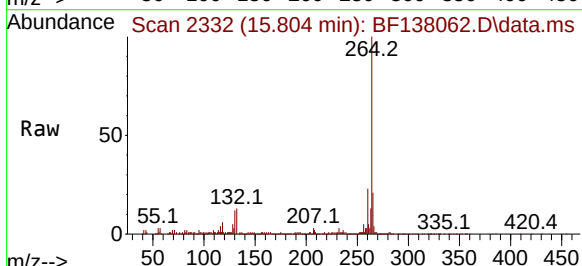
Tgt Ion:264 Resp: 132808

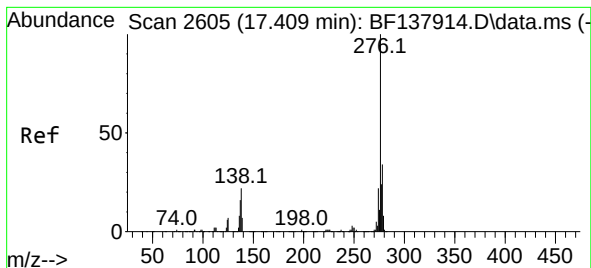
Ion Ratio Lower Upper

264 100

260 23.3 18.3 27.5

265 21.4 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.745 ng

RT: 17.427 min Scan# 2

Delta R.T. 0.018 min

Lab File: BF138062.D

Acq: 29 May 2024 16:38

Instrument :

BNA\_F

ClientSampleId :

INT-PE1

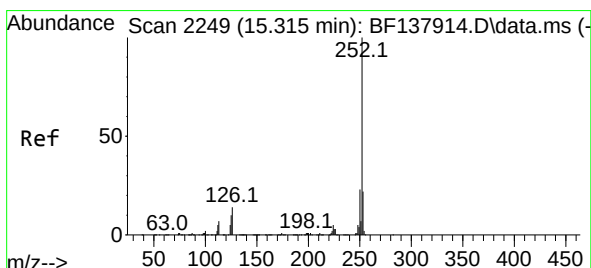
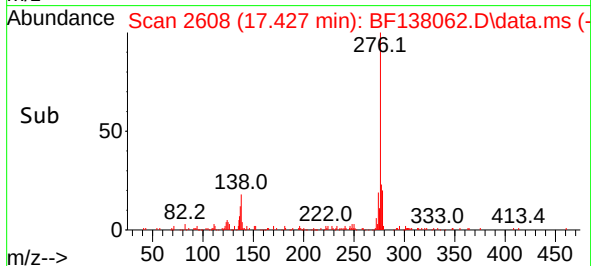
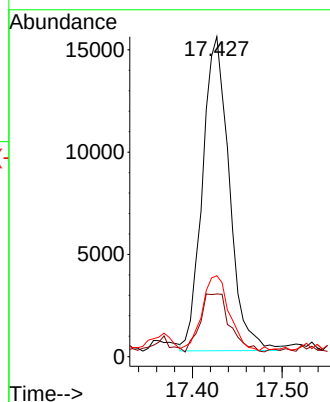
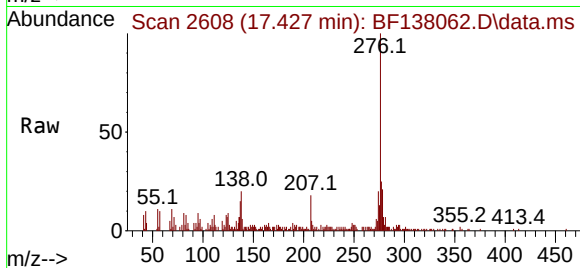
Tgt Ion:276 Resp: 31958

Ion Ratio Lower Upper

276 100

138 20.4 20.6 30.8#

277 24.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 20.425 ng

RT: 15.327 min Scan# 2251

Delta R.T. 0.012 min

Lab File: BF138062.D

Acq: 29 May 2024 16:38

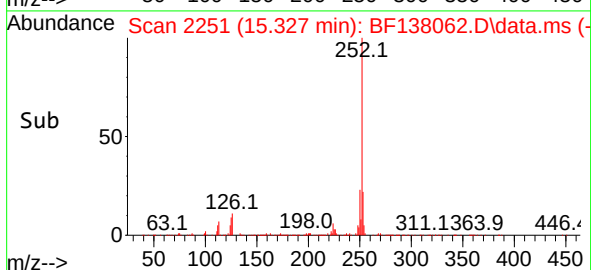
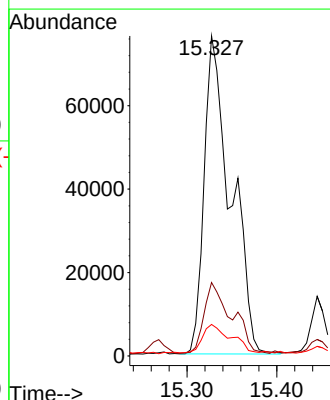
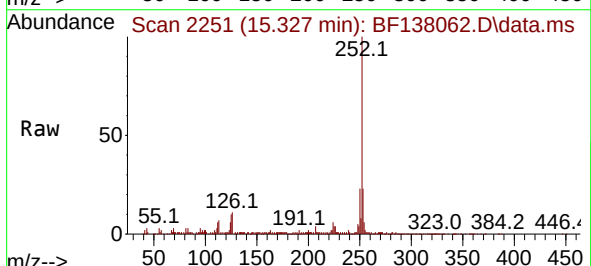
Tgt Ion:252 Resp: 157059

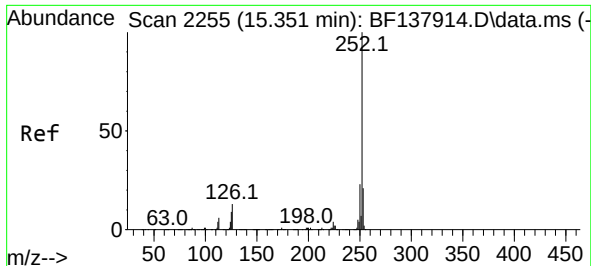
Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 9.9 8.2 12.4

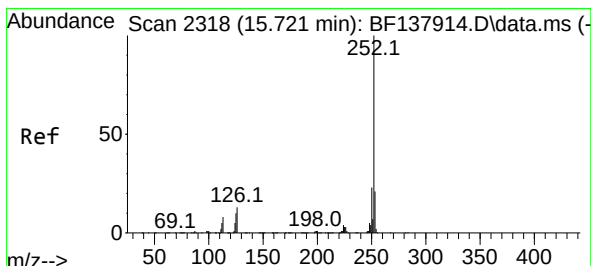
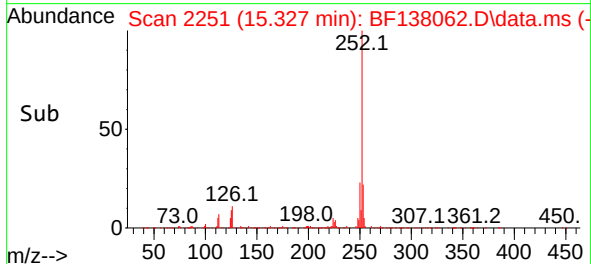
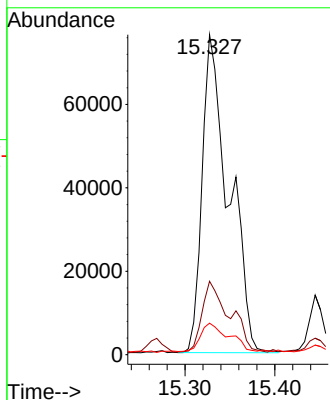
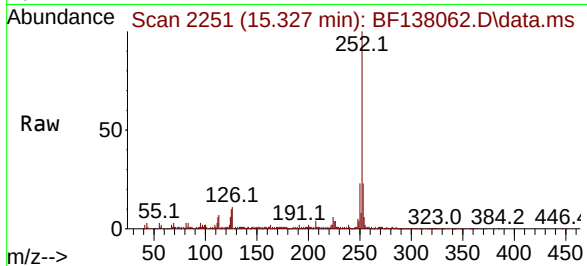




#89  
Benzo(k)fluoranthene  
Concen: 20.791 ng  
RT: 15.327 min Scan# 21  
Delta R.T. -0.023 min  
Lab File: BF138062.D  
Acq: 29 May 2024 16:38

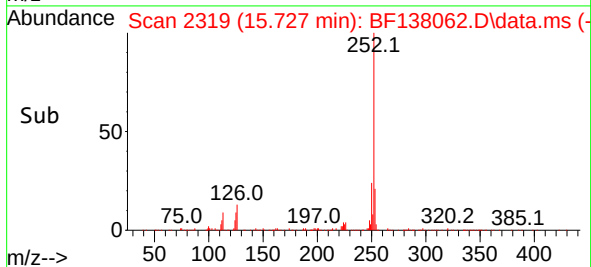
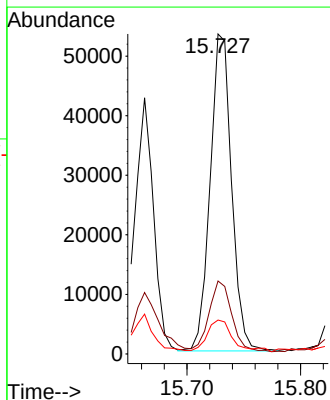
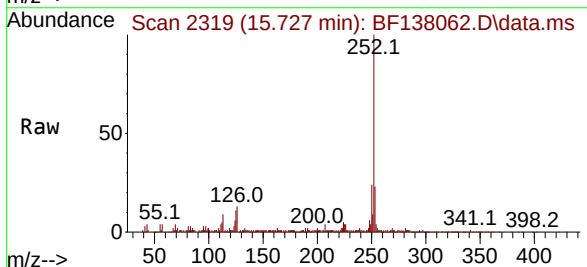
Instrument :  
BNA\_F  
ClientSampleId :  
INT-PE1

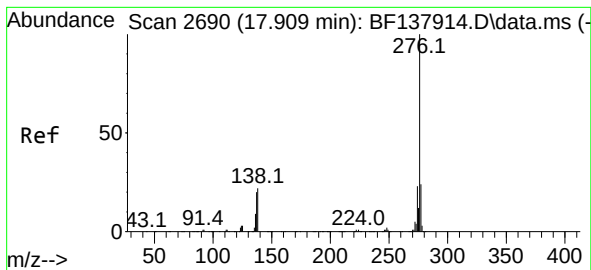
Tgt Ion:252 Resp: 157059  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.4 26.0  
125 9.9 7.7 11.5



#90  
Benzo(a)pyrene  
Concen: 10.638 ng  
RT: 15.727 min Scan# 2319  
Delta R.T. 0.006 min  
Lab File: BF138062.D  
Acq: 29 May 2024 16:38

Tgt Ion:252 Resp: 69854  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.0 25.6  
125 10.6 7.8 11.8





#92

Benzo(g,h,i)perylene

Concen: 3.932 ng

RT: 17.927 min Scan# 20

Delta R.T. 0.018 min

Lab File: BF138062.D

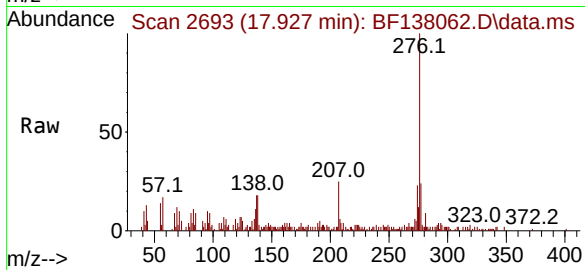
Acq: 29 May 2024 16:38

Instrument :

BNA\_F

ClientSampleId :

INT-PE1



Tgt Ion:276 Resp: 29119

Ion Ratio Lower Upper

276 100

277 24.4 18.9 28.3

138 17.6 17.6 26.4#

