

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF093024\  
 Data File : BF139578.D  
 Acq On : 30 Sep 2024 15:00  
 Operator : RC/JU  
 Sample : P4213-01 2X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-02-092624

Quant Time: Sep 30 15:22:28 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

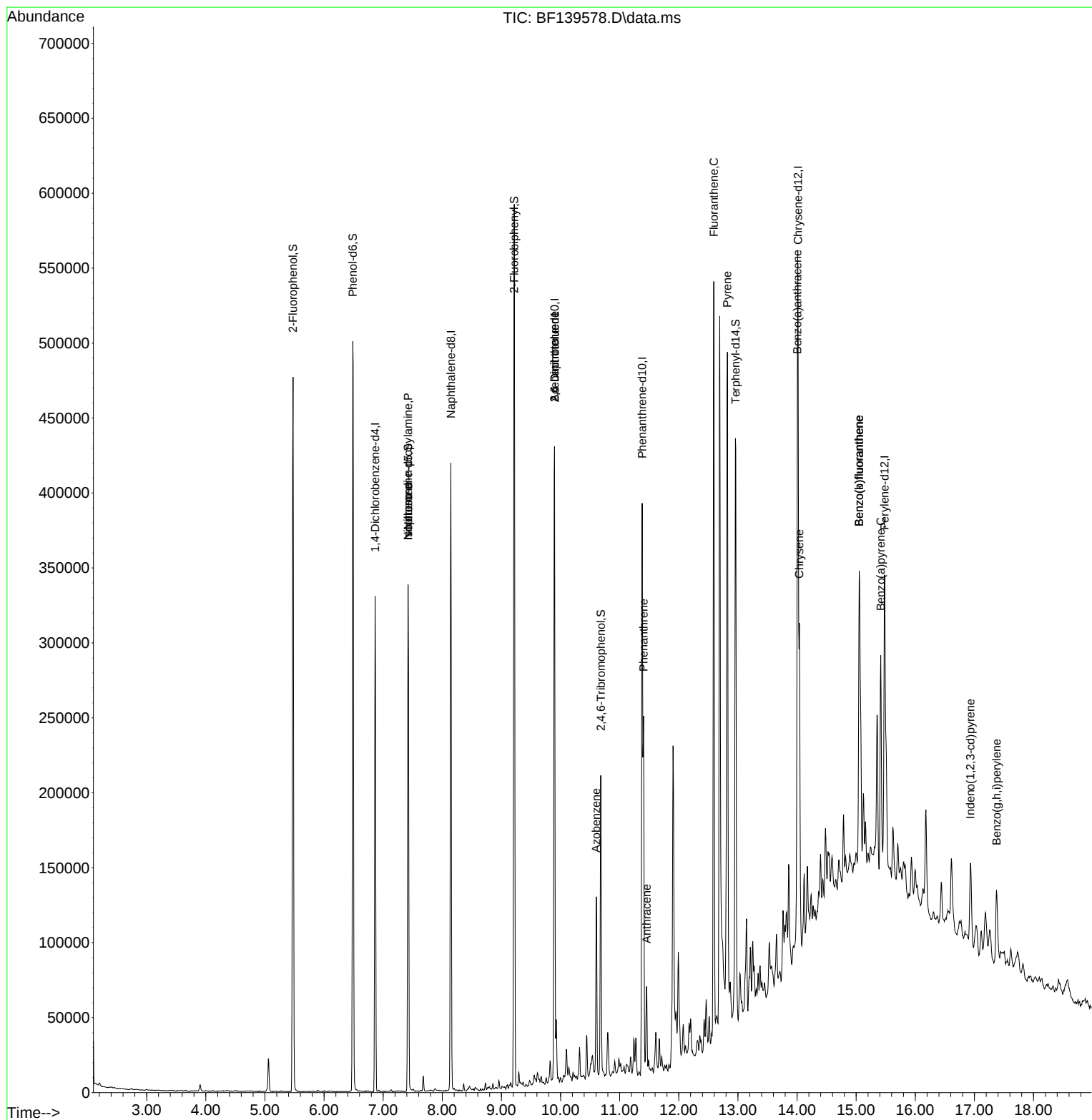
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.863  | 152  | 63487    | 20.000 | ng    | -0.02    |
| 21) Naphthalene-d8            | 8.145  | 136  | 238403   | 20.000 | ng    | #-0.02   |
| 39) Acenaphthene-d10          | 9.898  | 164  | 123083   | 20.000 | ng    | -0.02    |
| 64) Phenanthrene-d10          | 11.380 | 188  | 192756   | 20.000 | ng    | #-0.02   |
| 76) Chrysene-d12              | 14.016 | 240  | 135528   | 20.000 | ng    | #-0.02   |
| 86) Perylene-d12              | 15.480 | 264  | 112158   | 20.000 | ng    | -0.02    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 156239   | 40.147 | ng    | -0.02    |
| 7) Phenol-d6                  | 6.487  | 99   | 209207   | 40.956 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.422  | 82   | 134448   | 26.512 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.681 | 330  | 26885    | 20.517 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 9.216  | 172  | 241286   | 27.494 | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.963 | 244  | 184191   | 22.308 | ng    | -0.02    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.422  | 70   | 18038    | 5.959  | ng    | # 77     |
| 25) Isophorone                | 7.422  | 82   | 134446   | 16.764 | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.898  | 165  | 15775    | 8.815  | ng    | # 14     |
| 57) 2,4-Dinitrotoluene        | 9.898  | 165  | 15775    | 6.529  | ng    | # 15     |
| 63) Azobenzene                | 10.604 | 77   | 28544    | 3.481  | ng    | # 3      |
| 71) Phenanthrene              | 11.404 | 178  | 116400   | 12.517 | ng    | 99       |
| 72) Anthracene                | 11.457 | 178  | 31970    | 3.516  | ng    | 98       |
| 75) Fluoranthene              | 12.592 | 202  | 282490   | 28.444 | ng    | 98       |
| 78) Pyrene                    | 12.822 | 202  | 252217   | 21.674 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.004 | 228  | 132707   | 14.782 | ng    | 98       |
| 83) Chrysene                  | 14.039 | 228  | 110503   | 13.379 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.933 | 276  | 40963    | 6.142  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.051 | 252  | 170120   | 24.594 | ng    | # 97     |
| 89) Benzo(k)fluoranthene      | 15.051 | 252  | 170120   | 26.674 | ng    | # 96     |
| 90) Benzo(a)pyrene            | 15.415 | 252  | 85383    | 14.884 | ng    | # 95     |
| 92) Benzo(g,h,i)perylene      | 17.374 | 276  | 41573    | 7.619  | ng    | # 92     |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF093024\  
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Acq On : 30 Sep 2024 15:00  
Operator : RC/JU  
Sample : P4213-01 2X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-092624

Quant Time: Sep 30 15:22:28 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

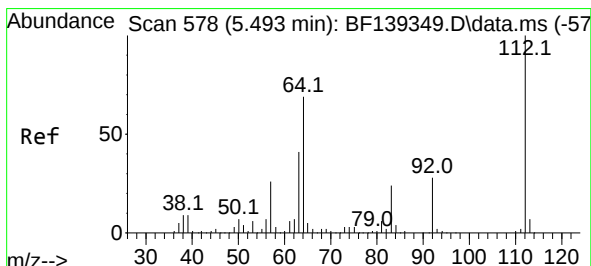
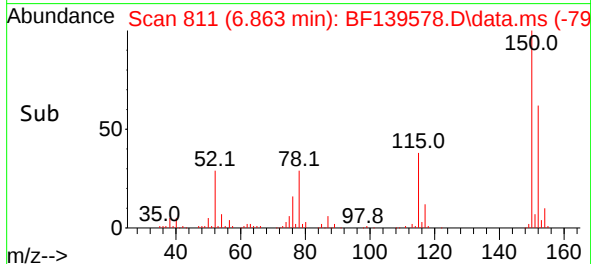
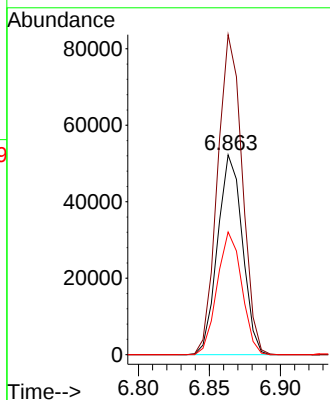
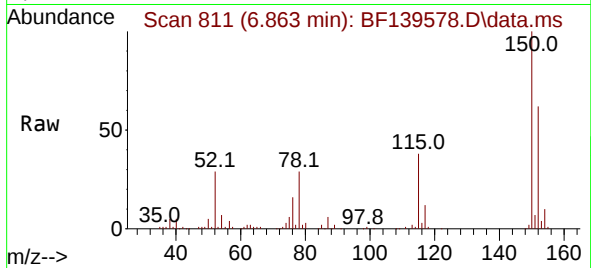




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.863 min Scan# 814  
Delta R.T. -0.018 min  
Lab File: BF139578.D  
Acq: 30 Sep 2024 15:00

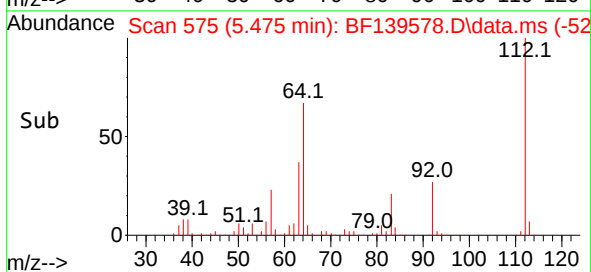
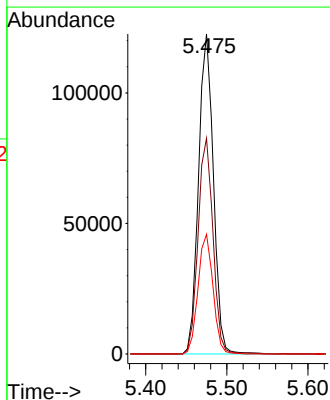
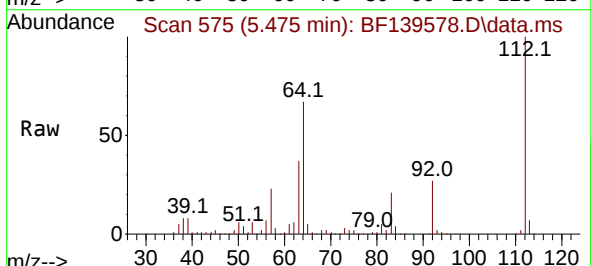
Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-092624

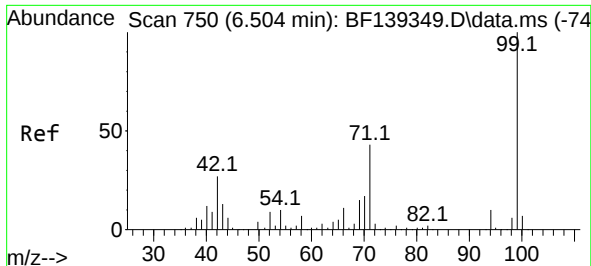
Tgt Ion:152 Resp: 63487  
Ion Ratio Lower Upper  
152 100  
150 160.2 124.1 186.1  
115 61.4 48.1 72.1



#5  
2-Fluorophenol  
Concen: 40.147 ng  
RT: 5.475 min Scan# 575  
Delta R.T. -0.018 min  
Lab File: BF139578.D  
Acq: 30 Sep 2024 15:00

Tgt Ion:112 Resp: 156239  
Ion Ratio Lower Upper  
112 100  
64 67.4 54.8 82.2  
63 37.4 33.0 49.4

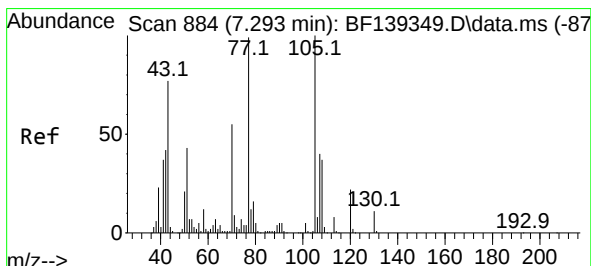
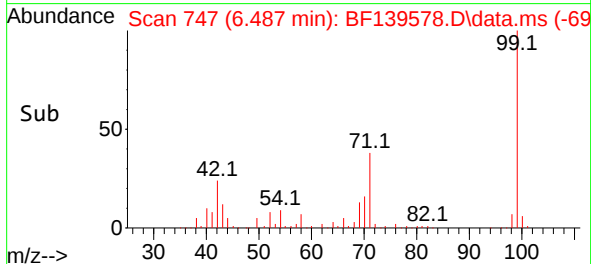
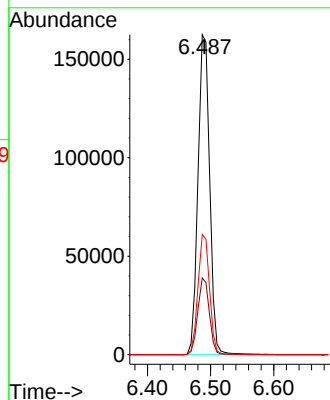
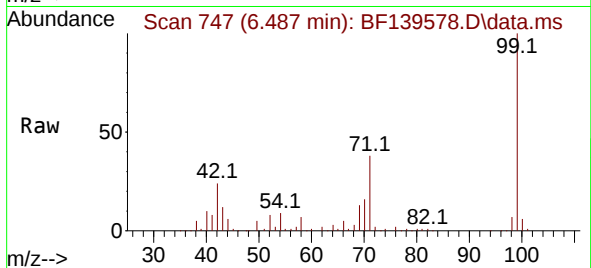




#7  
Phenol-d6  
Concen: 40.956 ng  
RT: 6.487 min Scan# 74  
Delta R.T. -0.018 min  
Lab File: BF139578.D  
Acq: 30 Sep 2024 15:00

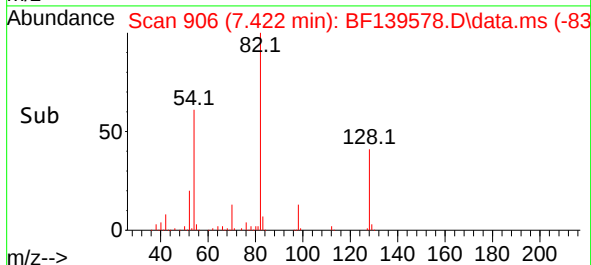
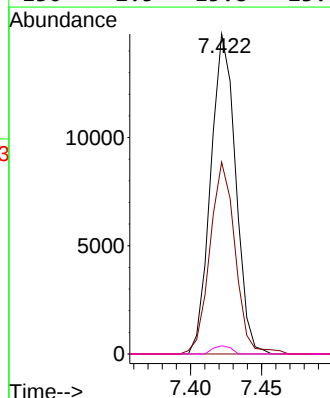
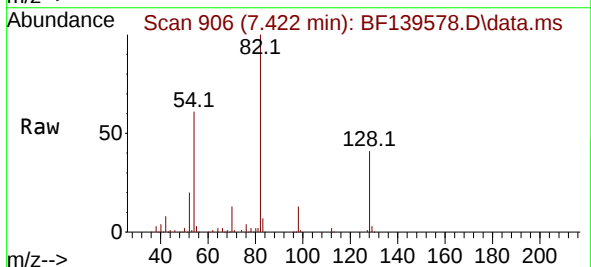
Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-092624

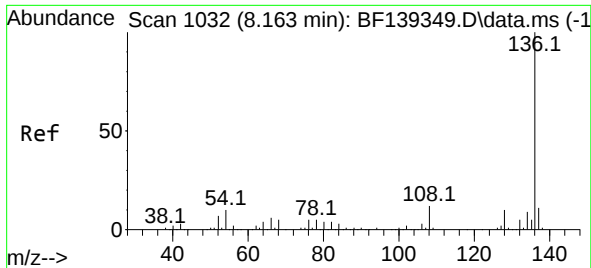
Tgt Ion: 99 Resp: 209207  
Ion Ratio Lower Upper  
99 100  
42 24.0 21.9 32.9  
71 37.6 34.6 52.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 5.959 ng  
RT: 7.422 min Scan# 906  
Delta R.T. 0.129 min  
Lab File: BF139578.D  
Acq: 30 Sep 2024 15:00

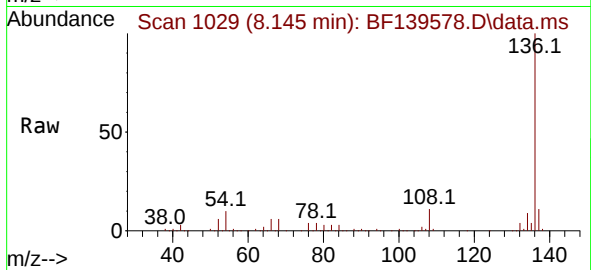
Tgt Ion: 70 Resp: 18038  
Ion Ratio Lower Upper  
70 100  
42 59.9 61.2 91.8#  
101 0.0 7.5 11.3#  
130 2.5 15.8 23.8#



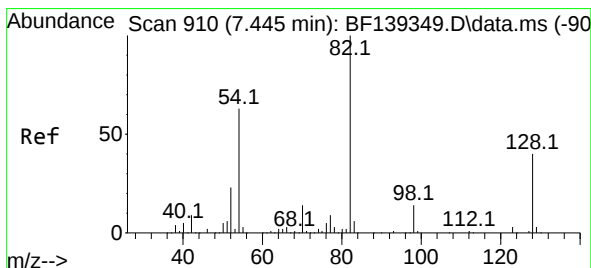
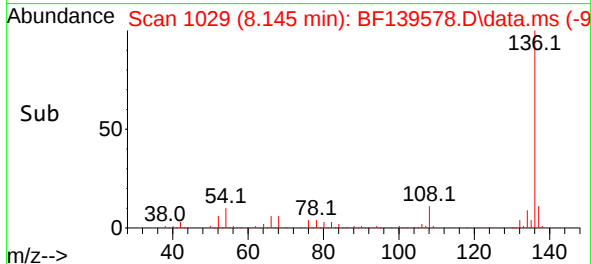
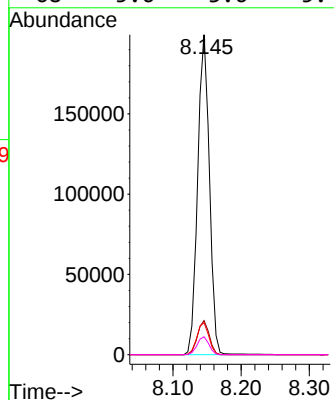


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.145 min Scan# 1032  
Delta R.T. -0.018 min  
Lab File: BF139578.D  
Acq: 30 Sep 2024 15:00

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-092624

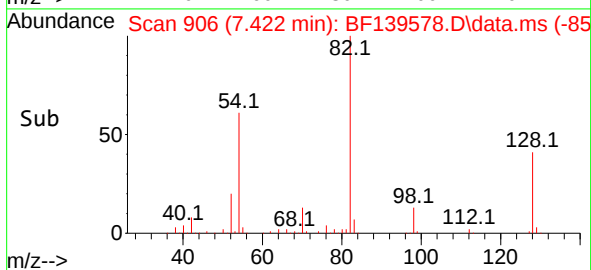
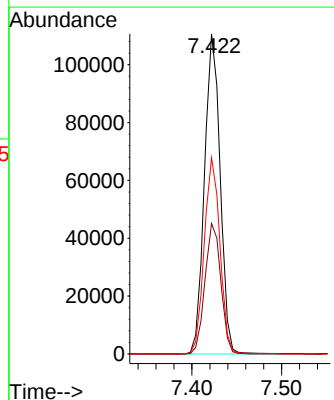
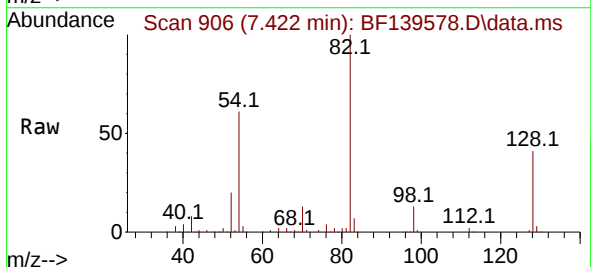


Tgt Ion:136 Resp: 238403  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.6 12.8  
54 10.0 7.8 11.8  
68 5.6 3.6 5.4#



#23  
Nitrobenzene-d5  
Concen: 26.512 ng  
RT: 7.422 min Scan# 906  
Delta R.T. -0.024 min  
Lab File: BF139578.D  
Acq: 30 Sep 2024 15:00

Tgt Ion: 82 Resp: 134448  
Ion Ratio Lower Upper  
82 100  
128 40.8 31.8 47.6  
54 61.3 50.6 75.8

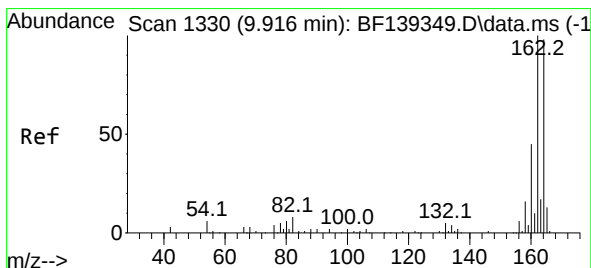
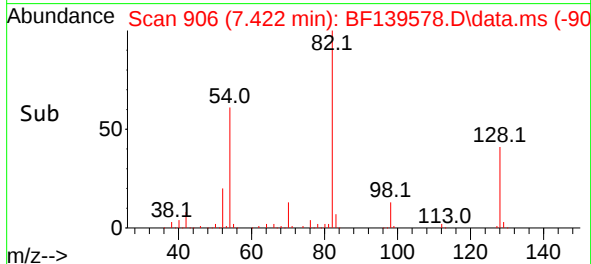
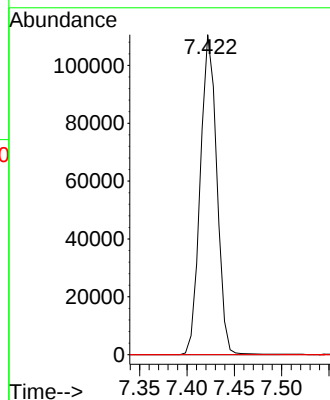
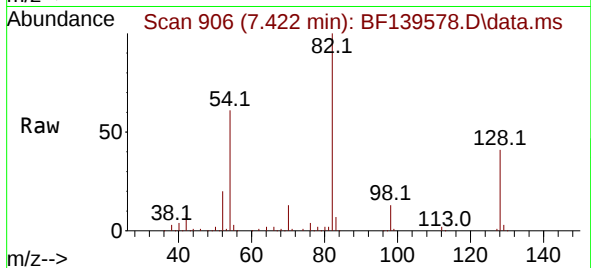




#25  
Isophorone  
Concen: 16.764 ng  
RT: 7.422 min Scan# 90  
Delta R.T. -0.277 min  
Lab File: BF139578.D  
Acq: 30 Sep 2024 15:00

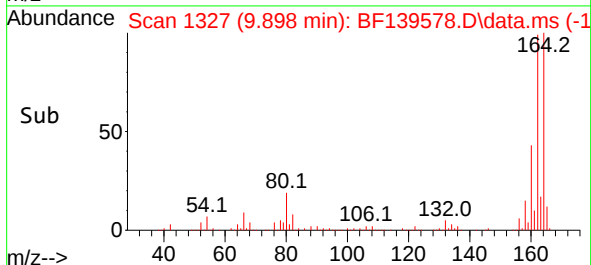
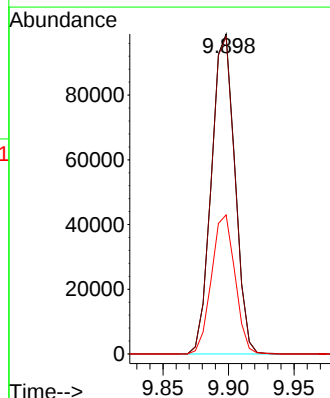
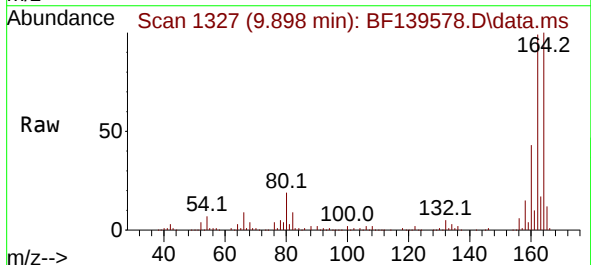
Instrument :  
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HD-02-092624

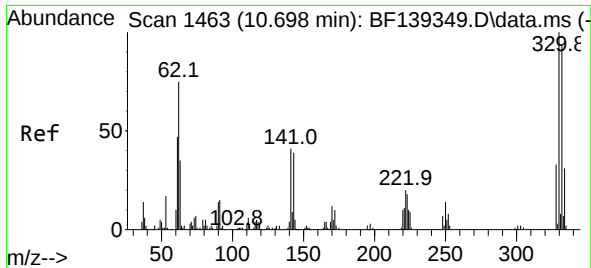
Tgt Ion: 82 Resp: 134446  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.7 10.1#  
138 0.0 13.3 19.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.898 min Scan# 1327  
Delta R.T. -0.018 min  
Lab File: BF139578.D  
Acq: 30 Sep 2024 15:00

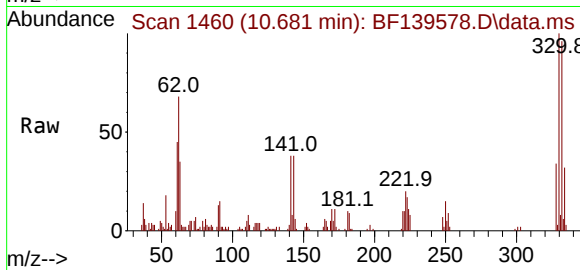
Tgt Ion:164 Resp: 123083  
Ion Ratio Lower Upper  
164 100  
162 99.2 81.3 121.9  
160 43.4 36.4 54.6



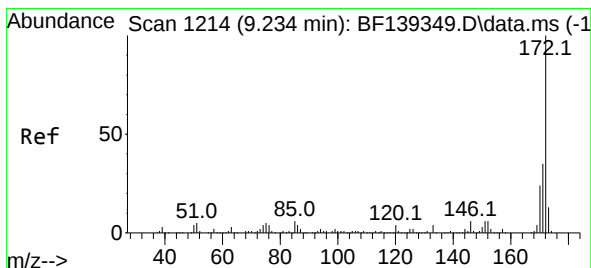
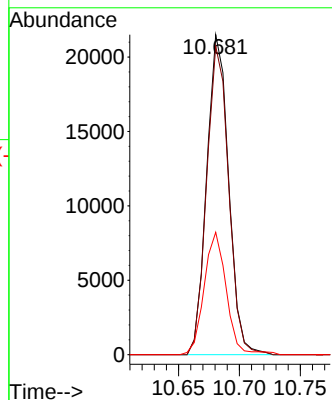
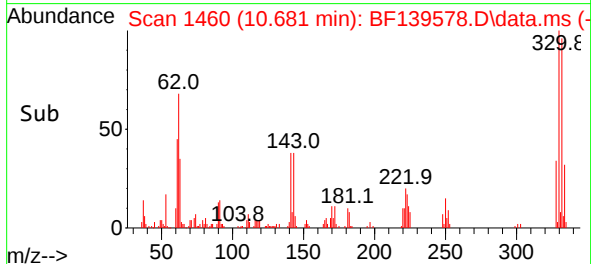


#42  
2,4,6-Tribromophenol  
Concen: 20.517 ng  
RT: 10.681 min Scan# 1460  
Delta R.T. -0.018 min  
Lab File: BF139578.D  
Acq: 30 Sep 2024 15:00

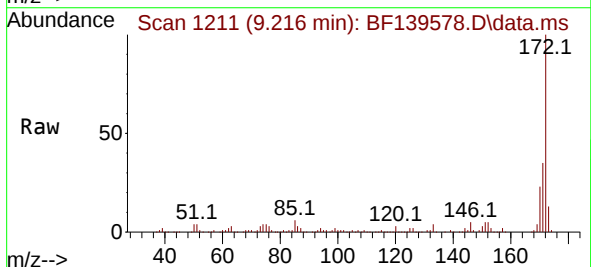
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BNA\_F  
ClientSampleId :  
HD-02-092624



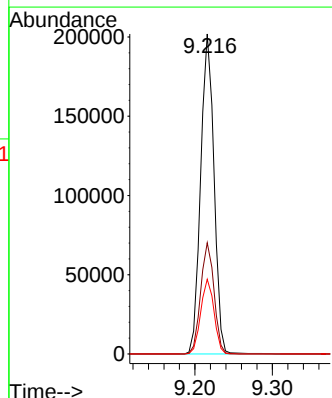
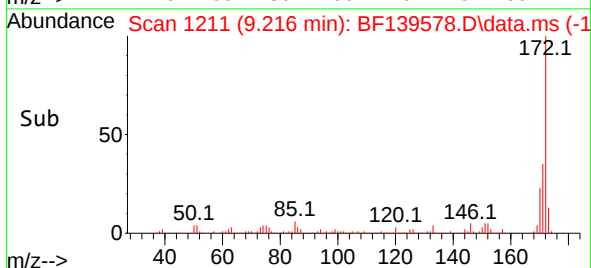
Tgt Ion:330 Resp: 26885  
Ion Ratio Lower Upper  
330 100  
332 96.9 75.2 112.8  
141 38.7 31.2 46.8

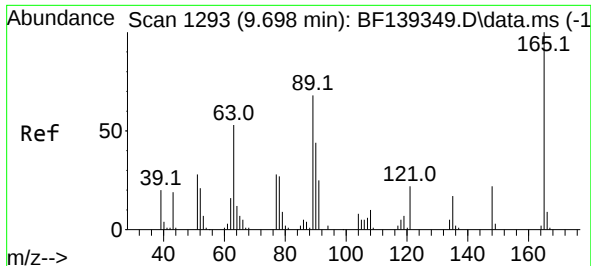


#45  
2-Fluorobiphenyl  
Concen: 27.494 ng  
RT: 9.216 min Scan# 1211  
Delta R.T. -0.018 min  
Lab File: BF139578.D  
Acq: 30 Sep 2024 15:00



Tgt Ion:172 Resp: 241286  
Ion Ratio Lower Upper  
172 100  
171 34.8 28.3 42.5  
170 23.4 19.0 28.6

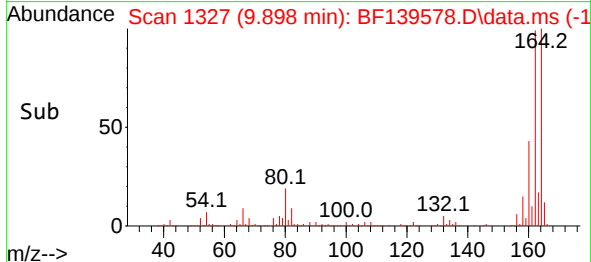
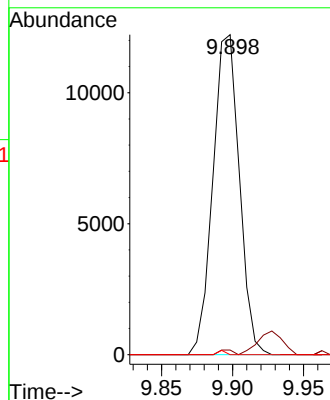
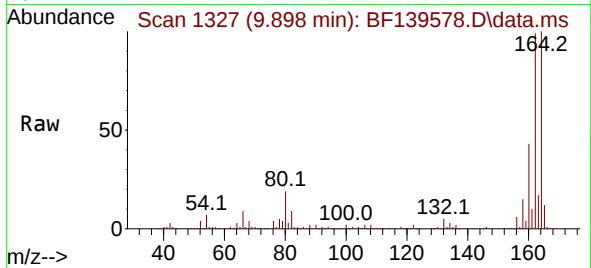




#51  
2,6-Dinitrotoluene  
Concen: 8.815 ng  
RT: 9.898 min Scan# 11  
Delta R.T. 0.200 min  
Lab File: BF139578.D  
Acq: 30 Sep 2024 15:00

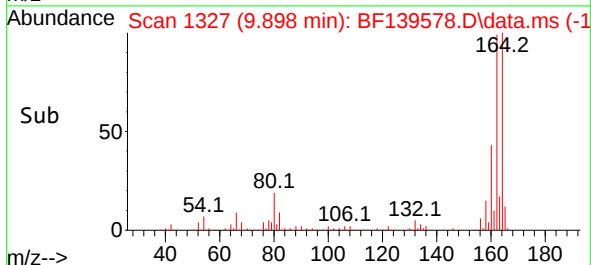
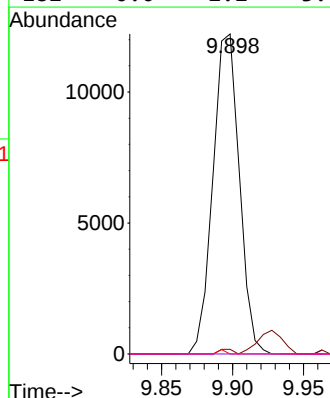
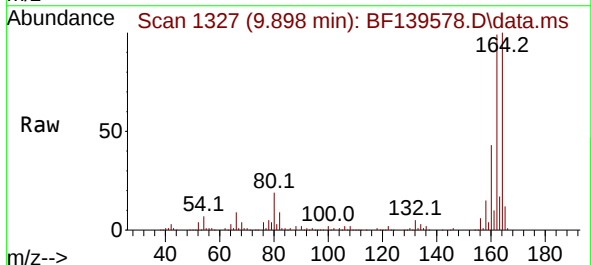
Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-092624

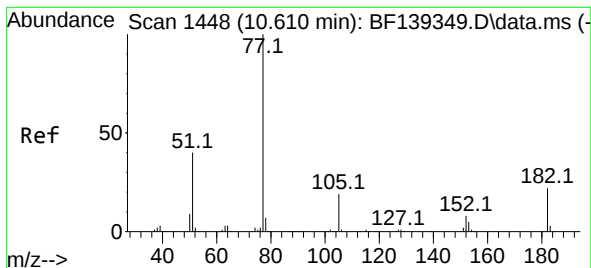
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Ion Ratio Lower Upper  
165 100  
63 1.5 60.9 91.3#  
89 0.0 54.7 82.1#



#57  
2,4-Dinitrotoluene  
Concen: 6.529 ng  
RT: 9.898 min Scan# 1327  
Delta R.T. -0.200 min  
Lab File: BF139578.D  
Acq: 30 Sep 2024 15:00

Tgt Ion:165 Resp: 15775  
Ion Ratio Lower Upper  
165 100  
63 1.5 47.8 71.6#  
89 0.0 66.7 100.1#  
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 3.481 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.006 min

Lab File: BF139578.D

Acq: 30 Sep 2024 15:00

Instrument :

BNA\_F

ClientSampleId :

HD-02-092624

Tgt Ion: 77 Resp: 28544

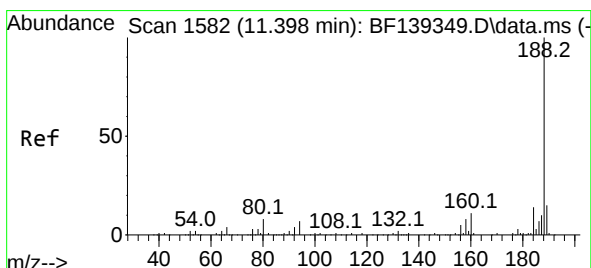
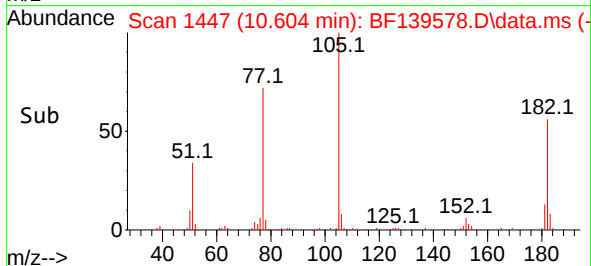
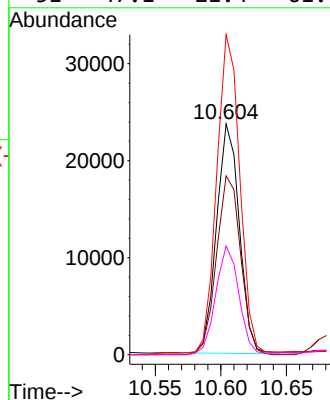
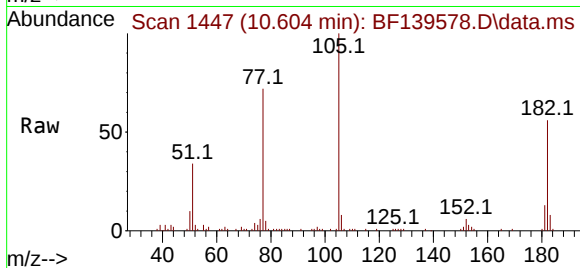
Ion Ratio Lower Upper

77 100

182 77.6 1.8 41.8#

105 138.7 0.0 38.6#

51 47.1 21.4 61.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1579

Delta R.T. -0.018 min

Lab File: BF139578.D

Acq: 30 Sep 2024 15:00

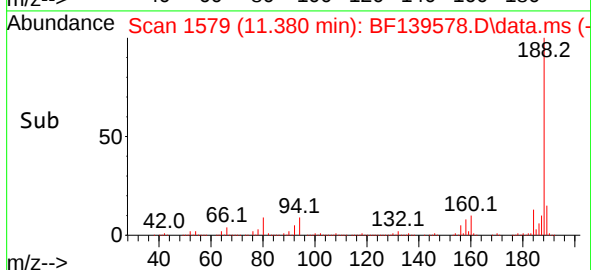
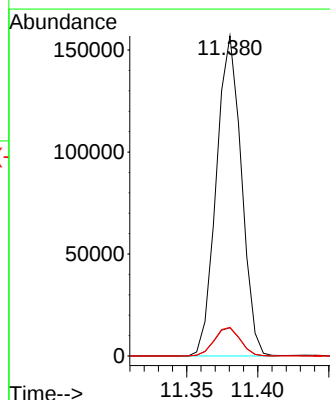
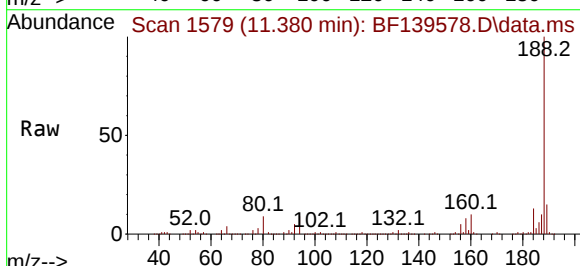
Tgt Ion: 188 Resp: 192756

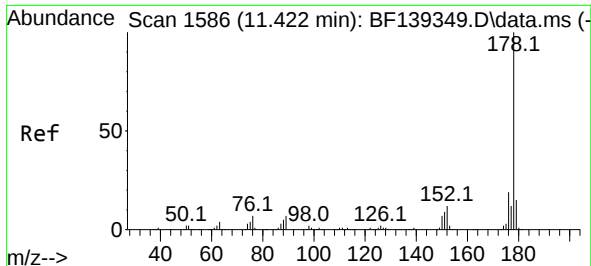
Ion Ratio Lower Upper

188 100

94 8.8 5.5 8.3#

80 9.0 6.6 9.8

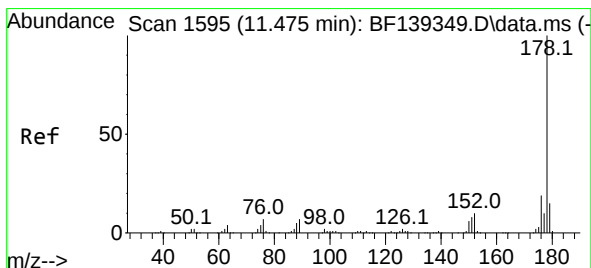
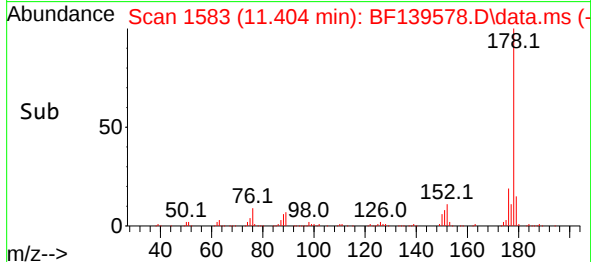
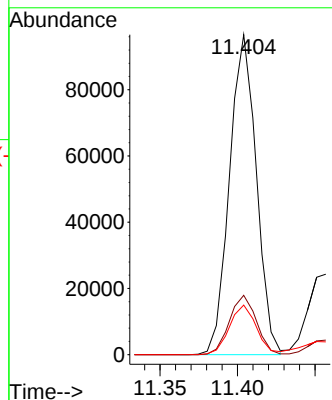
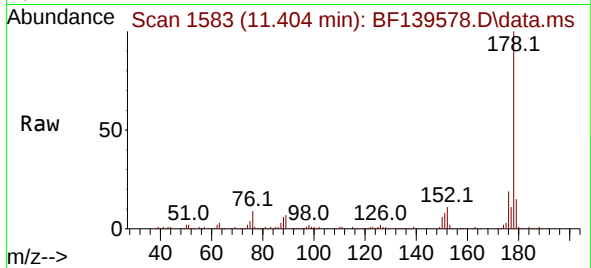




#71  
Phenanthrene  
Concen: 12.517 ng  
RT: 11.404 min Scan# 1583  
Delta R.T. -0.018 min  
Lab File: BF139578.D  
Acq: 30 Sep 2024 15:00

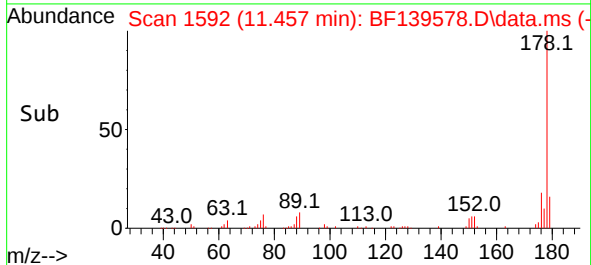
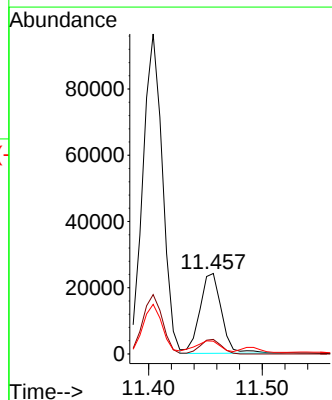
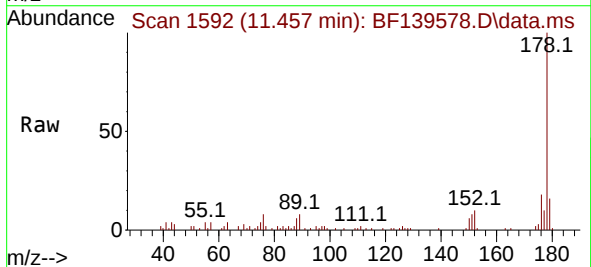
Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-092624

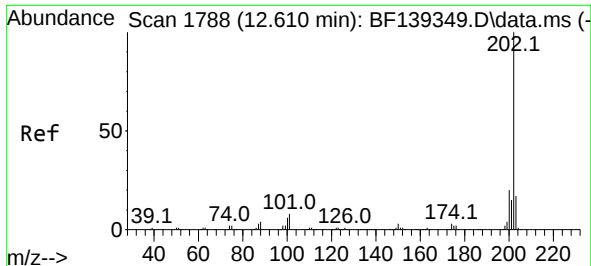
Tgt Ion:178 Resp: 116400  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.2 22.8  
179 15.5 12.2 18.4



#72  
Anthracene  
Concen: 3.516 ng  
RT: 11.457 min Scan# 1592  
Delta R.T. -0.018 min  
Lab File: BF139578.D  
Acq: 30 Sep 2024 15:00

Tgt Ion:178 Resp: 31970  
Ion Ratio Lower Upper  
178 100  
176 18.1 15.0 22.6  
179 16.0 12.0 18.0

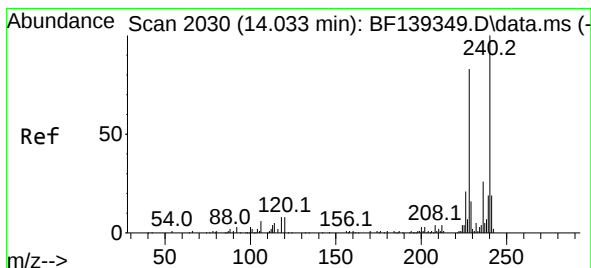
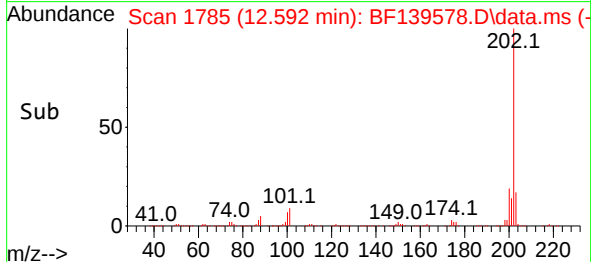
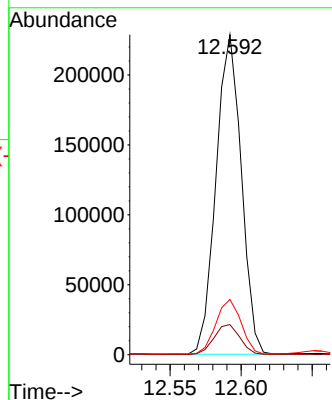
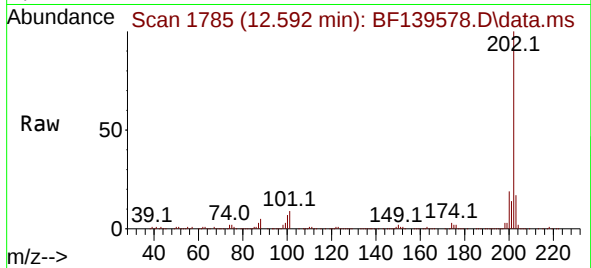




#75  
Fluoranthene  
Concen: 28.444 ng  
RT: 12.592 min Scan# 1  
Delta R.T. -0.018 min  
Lab File: BF139578.D  
Acq: 30 Sep 2024 15:00

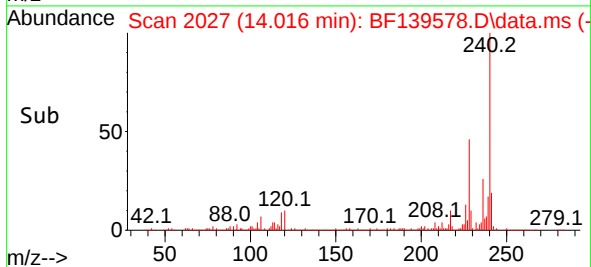
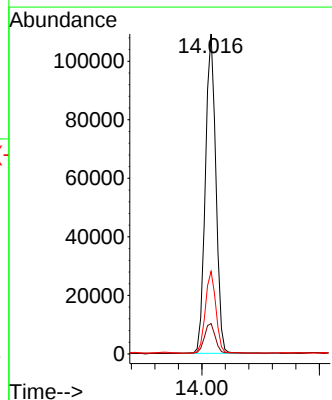
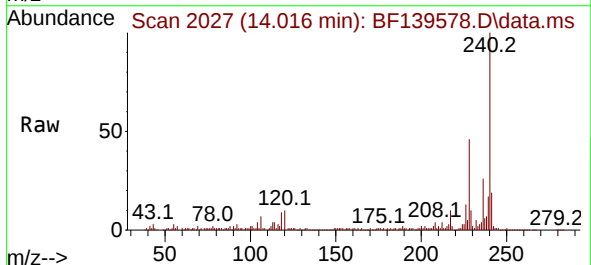
Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-092624

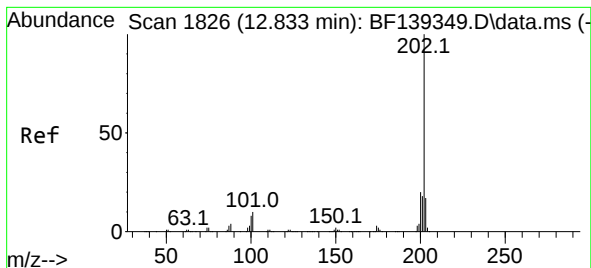
Tgt Ion:202 Resp: 282490  
Ion Ratio Lower Upper  
202 100  
101 9.4 0.0 27.7  
203 17.3 0.0 37.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.016 min Scan# 2027  
Delta R.T. -0.018 min  
Lab File: BF139578.D  
Acq: 30 Sep 2024 15:00

Tgt Ion:240 Resp: 135528  
Ion Ratio Lower Upper  
240 100  
120 9.5 6.2 9.2#  
236 25.8 20.9 31.3





#78

Pyrene

Concen: 21.674 ng

RT: 12.822 min Scan# 1824

Delta R.T. -0.012 min

Lab File: BF139578.D

Acq: 30 Sep 2024 15:00

Instrument :

BNA\_F

ClientSampleId :

HD-02-092624

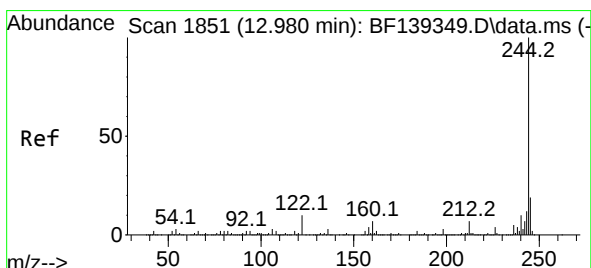
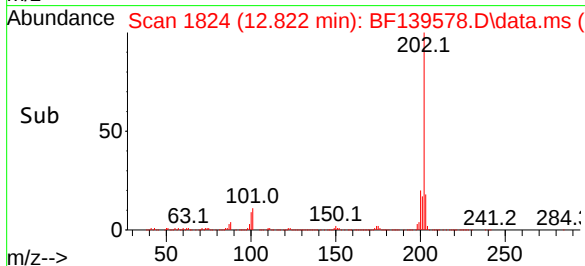
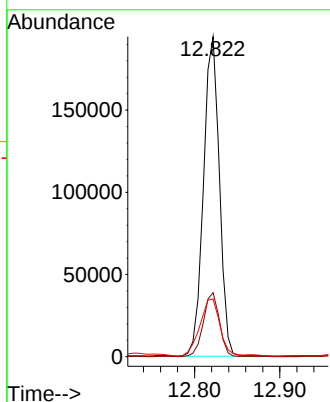
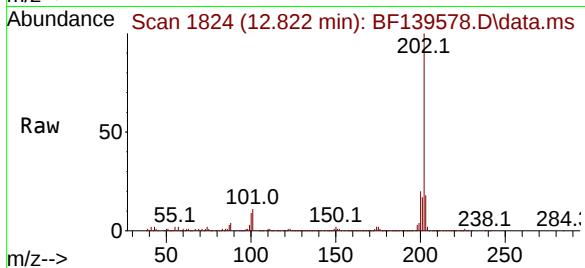
Tgt Ion:202 Resp: 252217

Ion Ratio Lower Upper

202 100

200 20.0 16.2 24.2

203 18.1 13.9 20.9



#79

Terphenyl-d14

Concen: 22.308 ng

RT: 12.963 min Scan# 1848

Delta R.T. -0.018 min

Lab File: BF139578.D

Acq: 30 Sep 2024 15:00

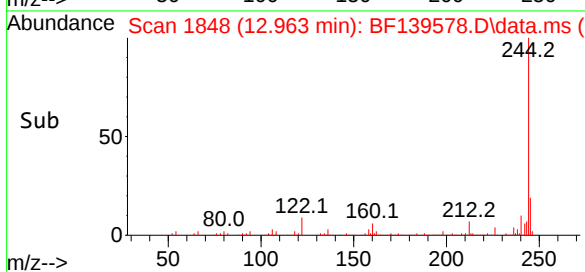
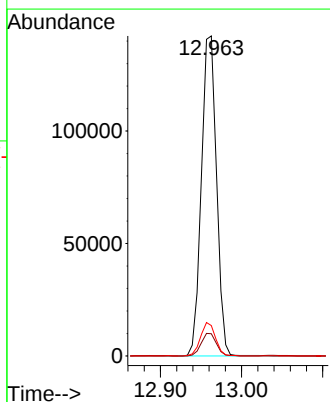
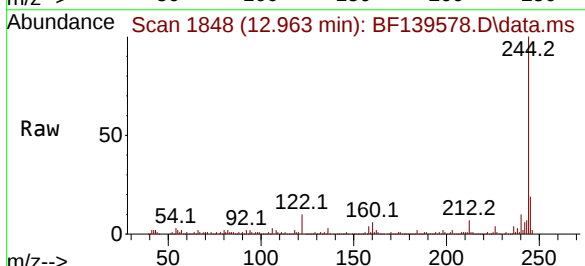
Tgt Ion:244 Resp: 184191

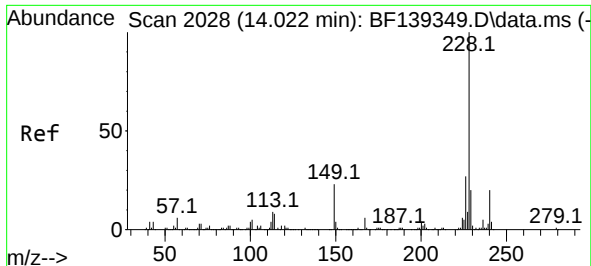
Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 9.5 7.6 11.4

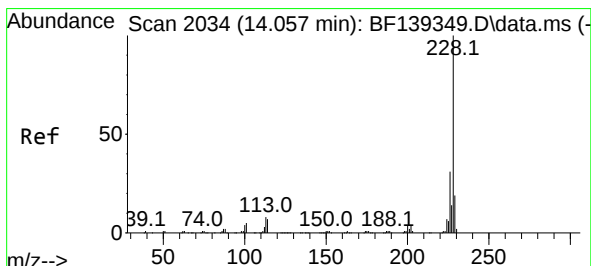
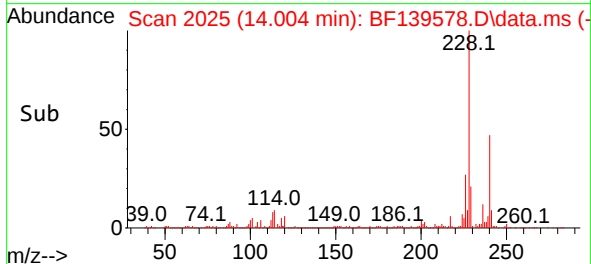
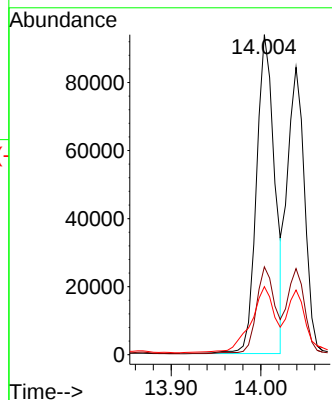
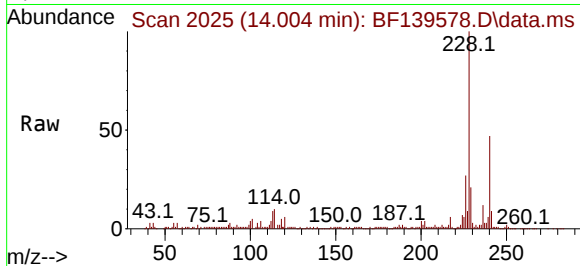




#81  
Benzo(a)anthracene  
Concen: 14.782 ng  
RT: 14.004 min Scan# 2028  
Delta R.T. -0.018 min  
Lab File: BF139578.D  
Acq: 30 Sep 2024 15:00

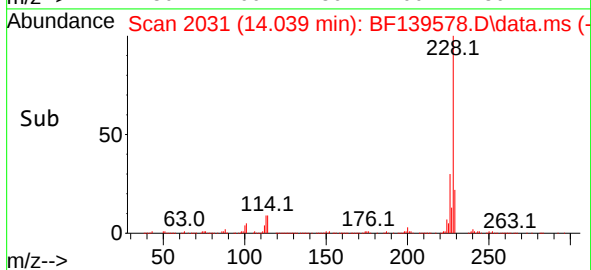
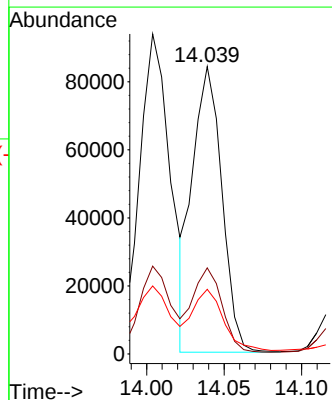
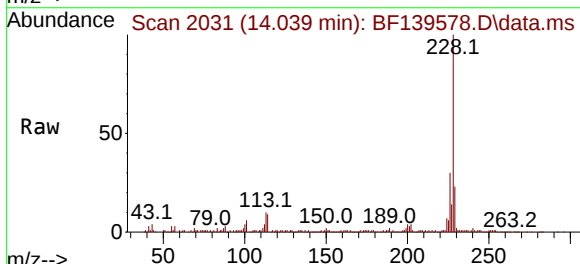
Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-092624

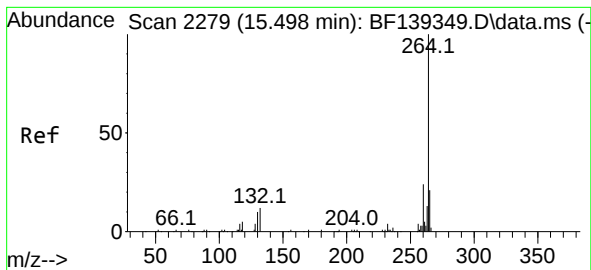
Tgt Ion:228 Resp: 132707  
Ion Ratio Lower Upper  
228 100  
226 27.4 21.6 32.4  
229 21.3 15.7 23.5



#83  
Chrysene  
Concen: 13.379 ng  
RT: 14.039 min Scan# 2031  
Delta R.T. -0.018 min  
Lab File: BF139578.D  
Acq: 30 Sep 2024 15:00

Tgt Ion:228 Resp: 110503  
Ion Ratio Lower Upper  
228 100  
226 29.9 24.1 36.1  
229 22.5 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF139578.D

Acq: 30 Sep 2024 15:00

Instrument :

BNA\_F

ClientSampleId :

HD-02-092624

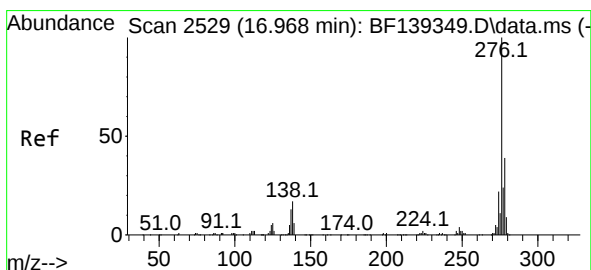
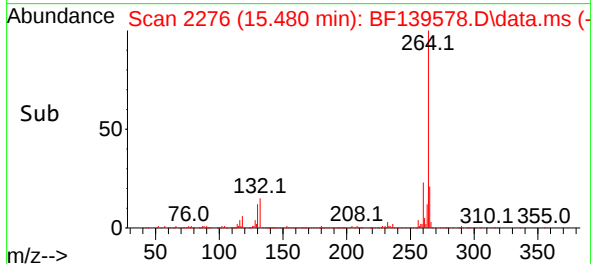
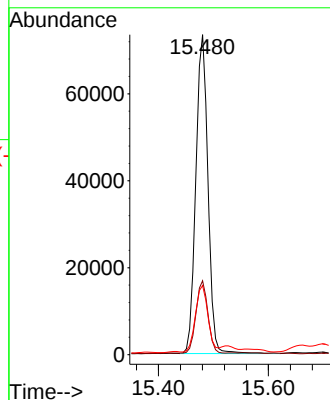
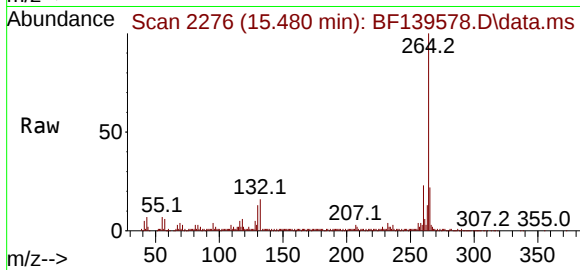
Tgt Ion:264 Resp: 112158

Ion Ratio Lower Upper

264 100

260 23.1 19.5 29.3

265 21.6 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.142 ng

RT: 16.933 min Scan# 2523

Delta R.T. -0.035 min

Lab File: BF139578.D

Acq: 30 Sep 2024 15:00

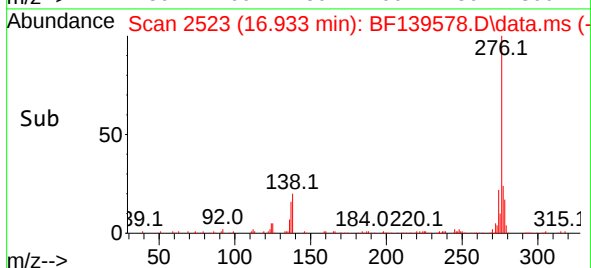
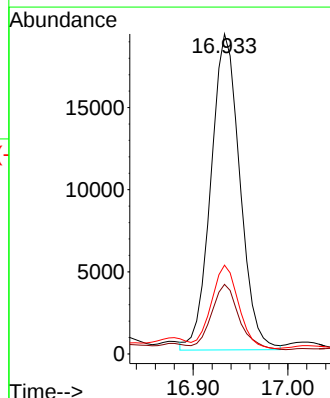
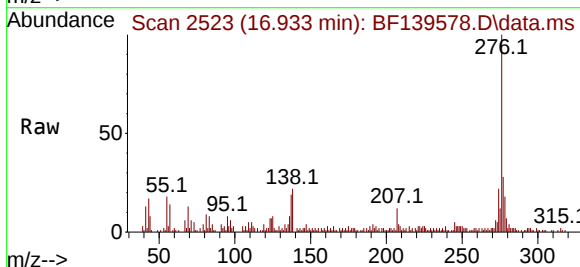
Tgt Ion:276 Resp: 40963

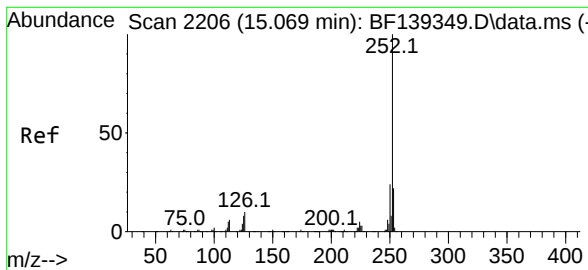
Ion Ratio Lower Upper

276 100

138 19.8 15.4 23.2

277 24.7 20.4 30.6

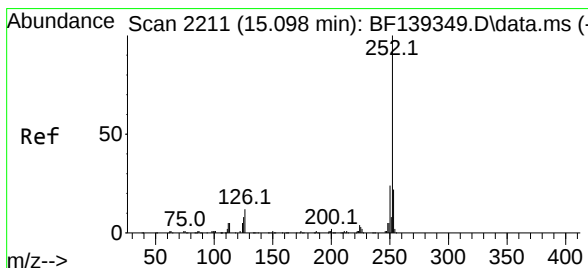
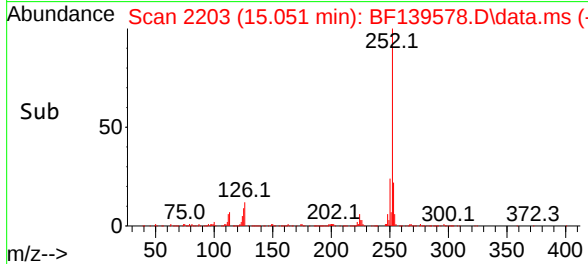
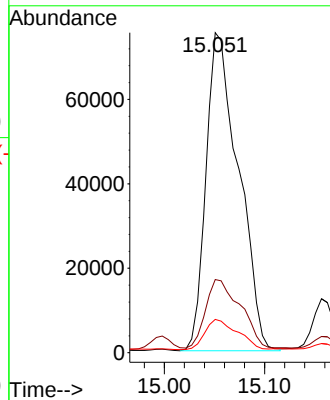
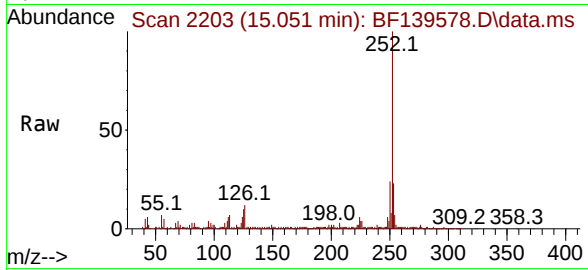




#88  
Benzo(b)fluoranthene  
Concen: 24.594 ng  
RT: 15.051 min Scan# 21  
Delta R.T. -0.018 min  
Lab File: BF139578.D  
Acq: 30 Sep 2024 15:00

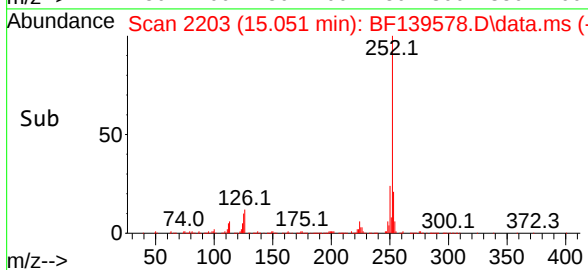
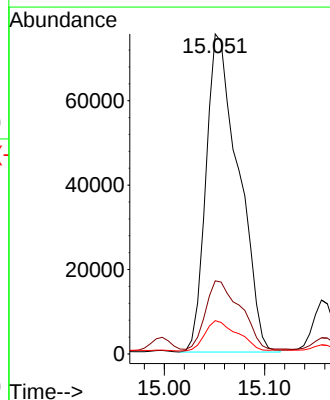
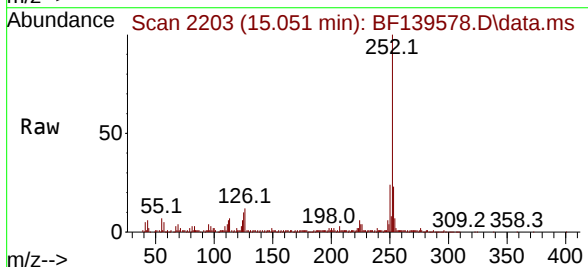
Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-092624

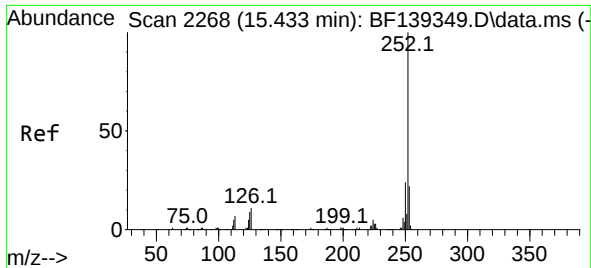
Tgt Ion:252 Resp: 170120  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.6 26.4  
125 10.4 6.2 9.2#



#89  
Benzo(k)fluoranthene  
Concen: 26.674 ng  
RT: 15.051 min Scan# 2203  
Delta R.T. -0.047 min  
Lab File: BF139578.D  
Acq: 30 Sep 2024 15:00

Tgt Ion:252 Resp: 170120  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.3 25.9  
125 10.4 5.9 8.9#

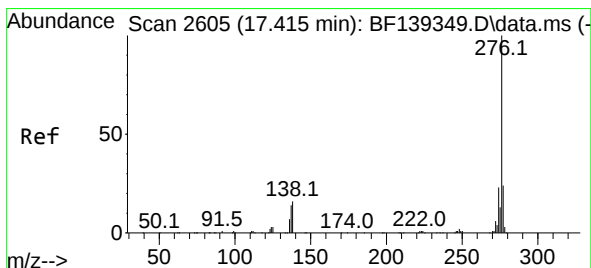
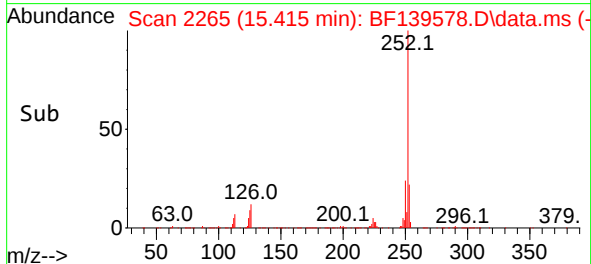
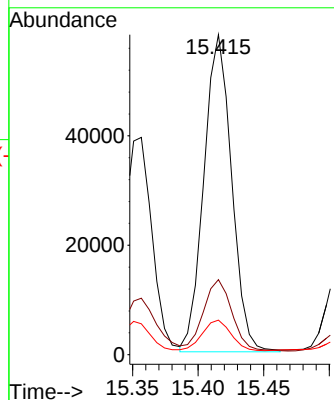
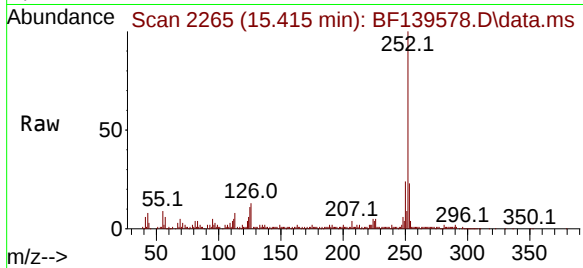




#90  
Benzo(a)pyrene  
Concen: 14.884 ng  
RT: 15.415 min Scan# 21  
Delta R.T. -0.018 min  
Lab File: BF139578.D  
Acq: 30 Sep 2024 15:00

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-092624

Tgt Ion:252 Resp: 85383  
Ion Ratio Lower Upper  
252 100  
253 23.4 17.3 25.9  
125 10.8 6.8 10.2#



#92  
Benzo(g,h,i)perylene  
Concen: 7.619 ng  
RT: 17.374 min Scan# 2598  
Delta R.T. -0.041 min  
Lab File: BF139578.D  
Acq: 30 Sep 2024 15:00

Tgt Ion:276 Resp: 41573  
Ion Ratio Lower Upper  
276 100  
277 25.9 18.9 28.3  
138 21.7 13.0 19.6#

