

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112024\  
 Data File : BF140508.D  
 Acq On : 20 Nov 2024 19:09  
 Operator : RC/JU  
 Sample : P4768-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-5

Quant Time: Nov 21 00:07:43 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF111324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 13 14:40:06 2024  
 Response via : Initial Calibration

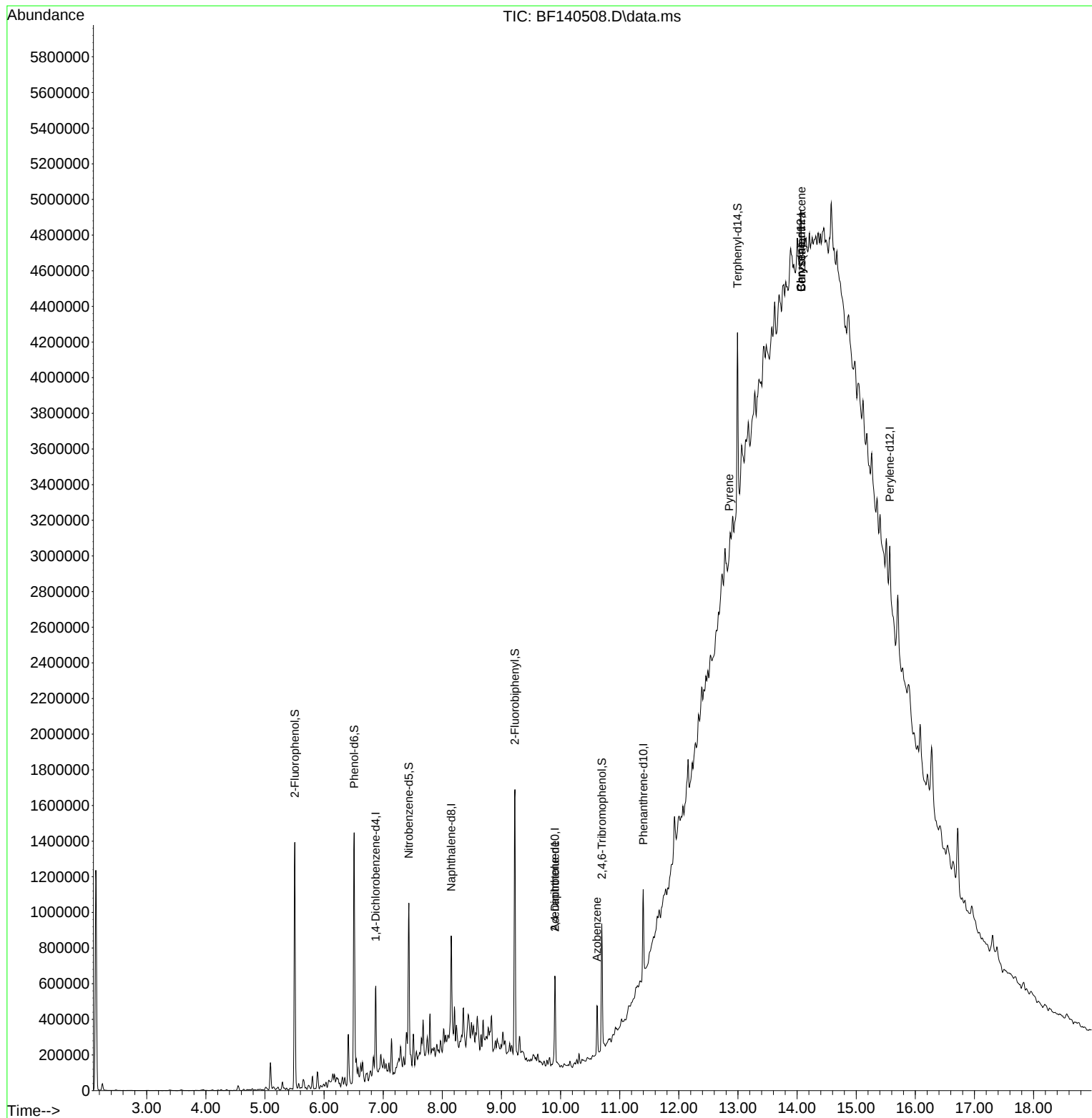
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.875  | 152  | 97789    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.151  | 136  | 331411   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 9.904  | 164  | 155672   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.398 | 188  | 250354   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.062 | 240  | 155764   | 20.000 | ng    | # 0.01   |
| 86) Perylene-d12            | 15.568 | 264  | 143752   | 20.000 | ng    | 0.01     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.504  | 112  | 525062   | 91.675 | ng    | 0.01     |
| 7) Phenol-d6                | 6.510  | 99   | 664150   | 85.589 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.433  | 82   | 415268   | 65.286 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.698 | 330  | 127007   | 82.044 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.227  | 172  | 700202   | 72.306 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.992 | 244  | 571296   | 63.664 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 57) 2,4-Dinitrotoluene      | 9.904  | 165  | 21100    | 6.931  | ng    | # 21     |
| 63) Azobenzene              | 10.616 | 77   | 80304    | 7.833  | ng    | # 1      |
| 78) Pyrene                  | 12.851 | 202  | 28638    | 2.149  | ng    | # 54     |
| 81) Benzo(a)anthracene      | 14.074 | 228  | 49991    | 4.883  | ng    | # 1      |
| 83) Chrysene                | 14.074 | 228  | 49991    | 5.352  | ng    | # 4      |
| -----                       |        |      |          |        |       |          |

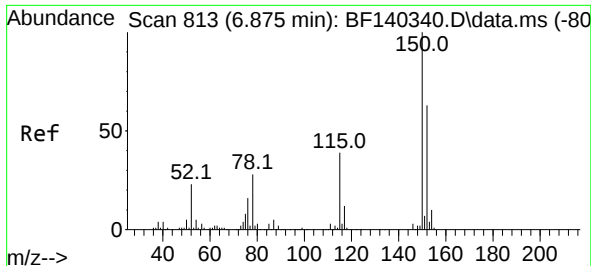
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112024\  
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Instrument :  
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Quant Time: Nov 21 00:07:43 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF111324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 13 14:40:06 2024  
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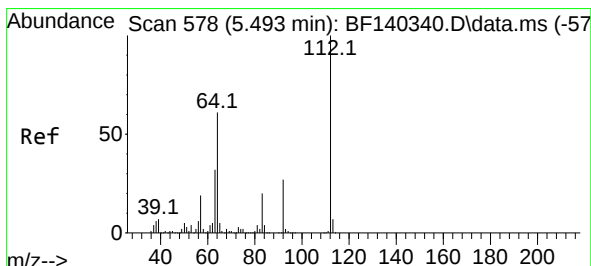
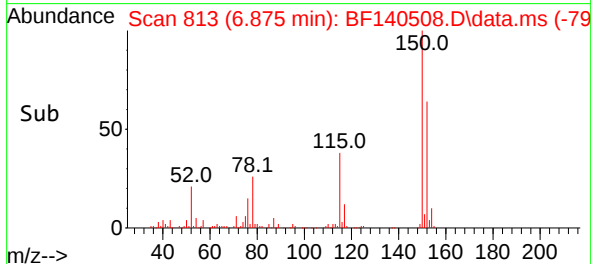
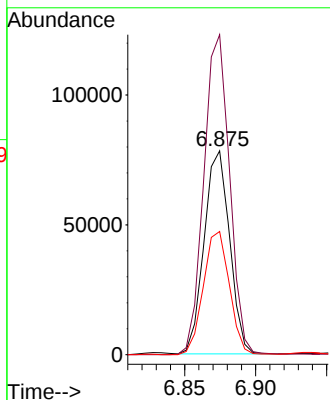
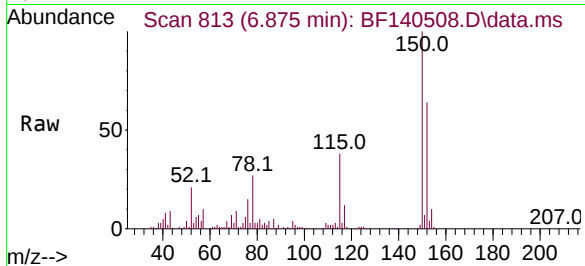




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 813  
Delta R.T. -0.006 min  
Lab File: BF140508.D  
Acq: 20 Nov 2024 19:09

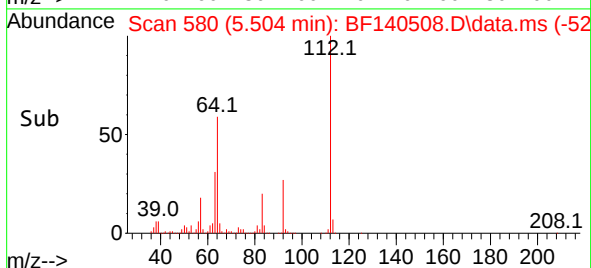
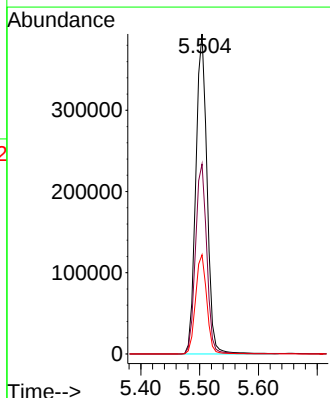
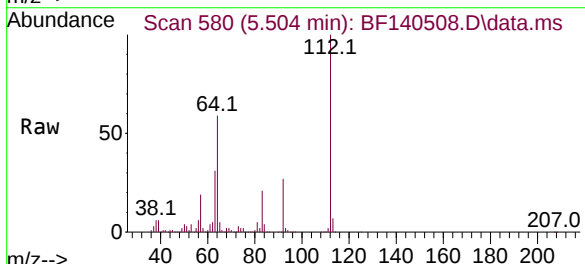
Instrument :  
BNA\_F  
ClientSampleId :  
B-5

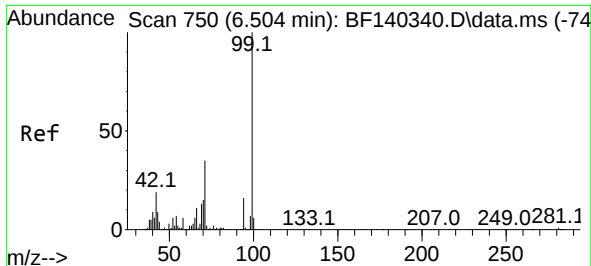
Tgt Ion:152 Resp: 97789  
Ion Ratio Lower Upper  
152 100  
150 156.9 127.4 191.0  
115 60.4 47.4 71.2



#5  
2-Fluorophenol  
Concen: 91.675 ng  
RT: 5.504 min Scan# 580  
Delta R.T. 0.012 min  
Lab File: BF140508.D  
Acq: 20 Nov 2024 19:09

Tgt Ion:112 Resp: 525062  
Ion Ratio Lower Upper  
112 100  
64 59.4 49.2 73.8  
63 31.0 25.6 38.4

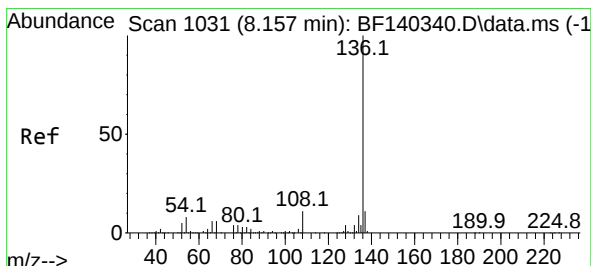
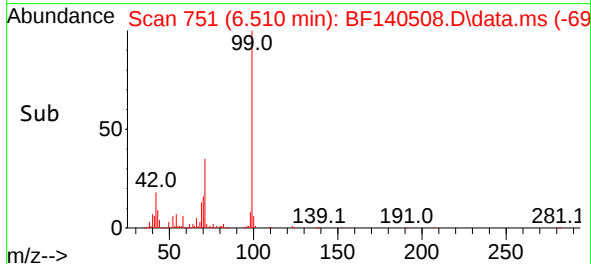
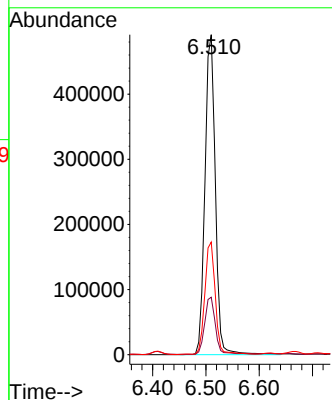
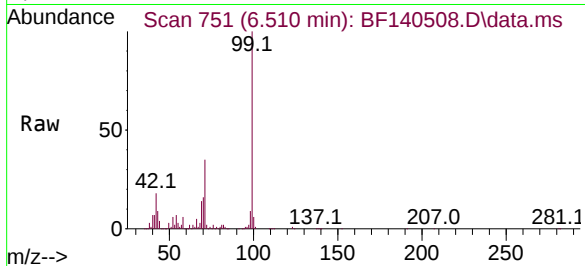




#7  
Phenol-d6  
Concen: 85.589 ng  
RT: 6.510 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: BF140508.D  
Acq: 20 Nov 2024 19:09

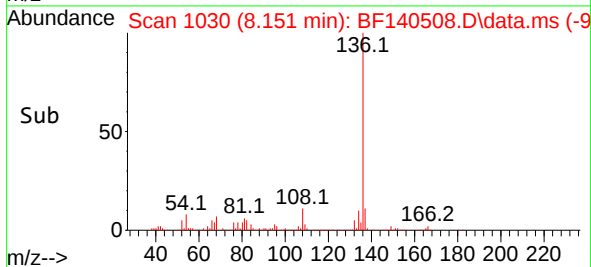
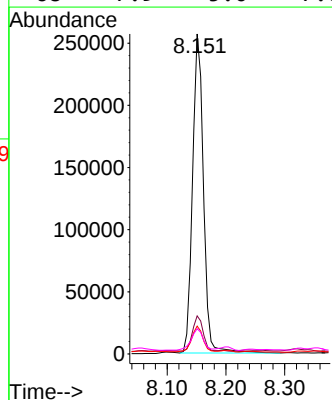
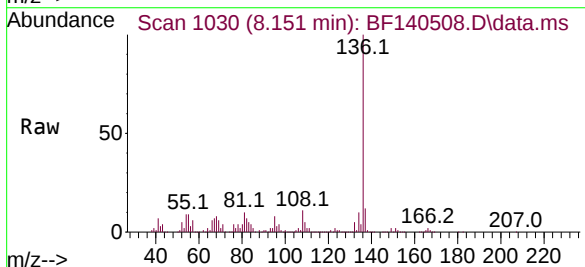
Instrument :  
BNA\_F  
ClientSampleId :  
B-5

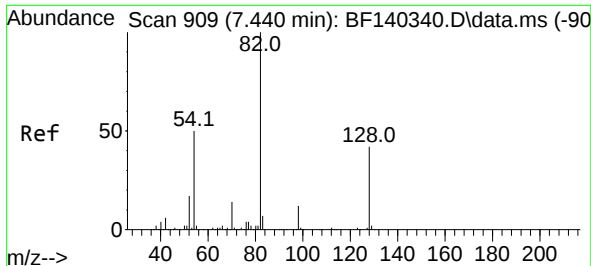
Tgt Ion: 99 Resp: 664150  
Ion Ratio Lower Upper  
99 100  
42 17.9 15.1 22.7  
71 35.2 27.9 41.9



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF140508.D  
Acq: 20 Nov 2024 19:09

Tgt Ion: 136 Resp: 331411  
Ion Ratio Lower Upper  
136 100  
137 11.9 8.7 13.1  
54 8.7 6.5 9.7  
68 7.9 5.0 7.6#

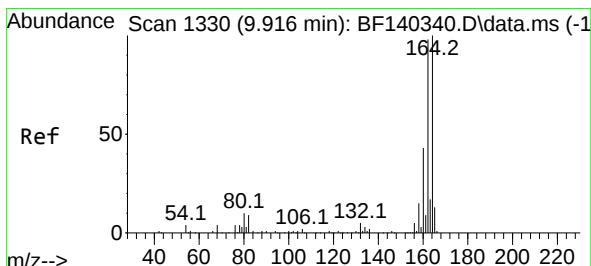
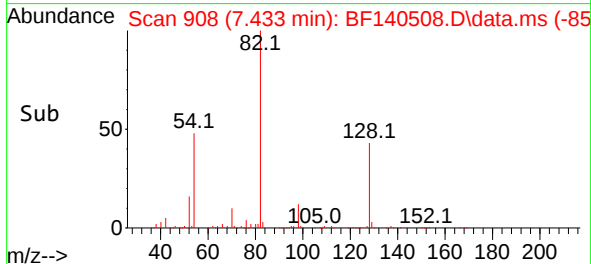
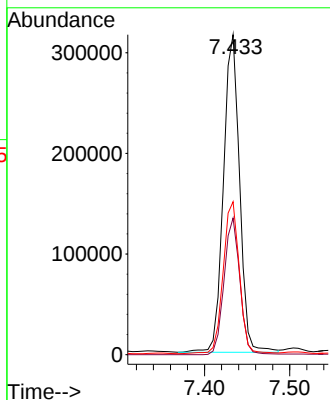
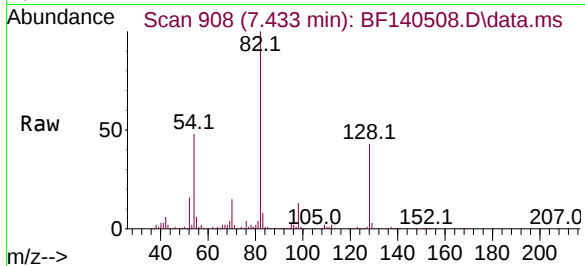




#23  
Nitrobenzene-d5  
Concen: 65.286 ng  
RT: 7.433 min Scan# 909  
Delta R.T. -0.006 min  
Lab File: BF140508.D  
Acq: 20 Nov 2024 19:09

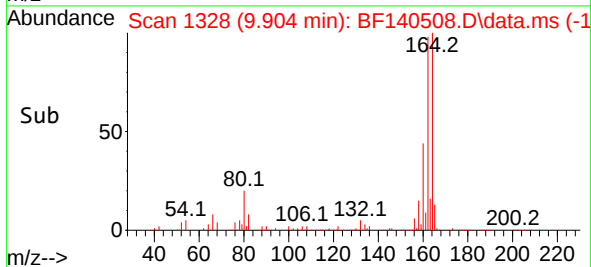
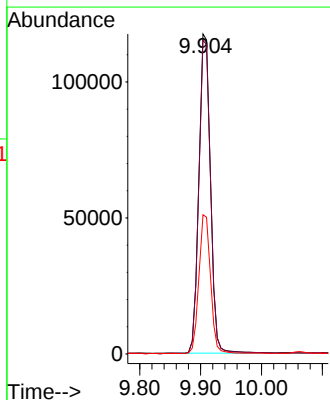
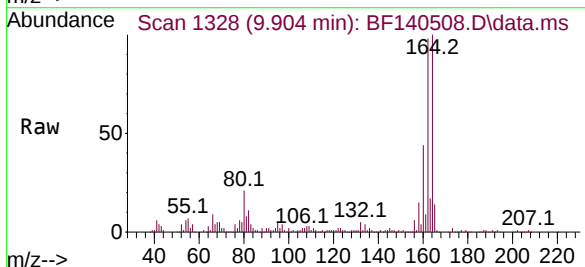
Instrument :  
BNA\_F  
ClientSampleId :  
B-5

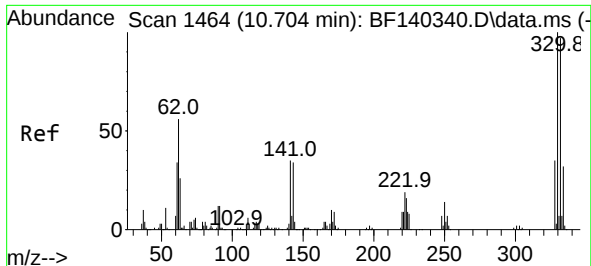
Tgt Ion: 82 Resp: 415268  
Ion Ratio Lower Upper  
82 100  
128 42.7 33.3 49.9  
54 47.8 39.8 59.8



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.904 min Scan# 1328  
Delta R.T. -0.012 min  
Lab File: BF140508.D  
Acq: 20 Nov 2024 19:09

Tgt Ion: 164 Resp: 155672  
Ion Ratio Lower Upper  
164 100  
162 98.0 79.8 119.8  
160 43.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 82.044 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140508.D

Acq: 20 Nov 2024 19:09

Instrument :

BNA\_F

ClientSampleId :

B-5

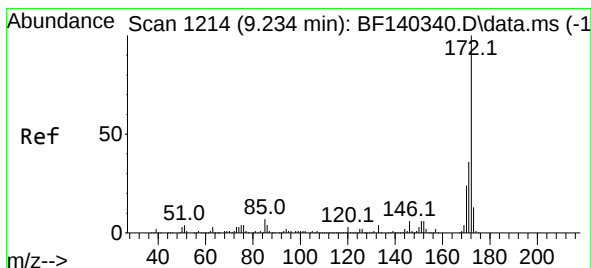
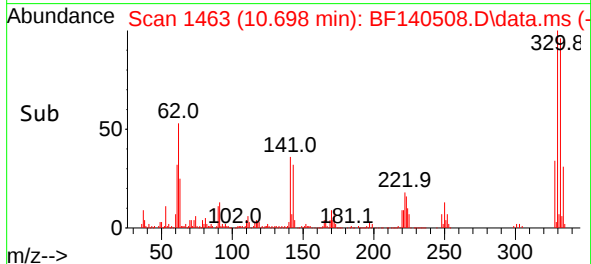
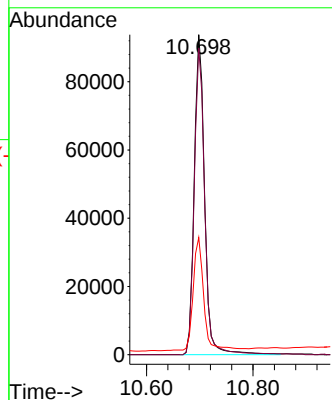
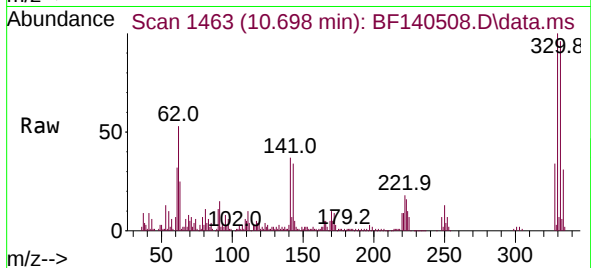
Tgt Ion:330 Resp: 127007

Ion Ratio Lower Upper

330 100

332 96.3 75.9 113.9

141 36.7 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 72.306 ng

RT: 9.227 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140508.D

Acq: 20 Nov 2024 19:09

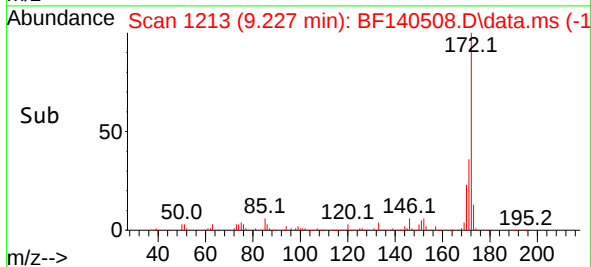
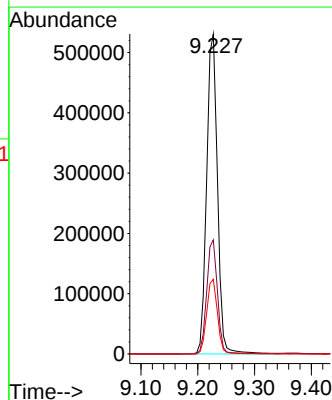
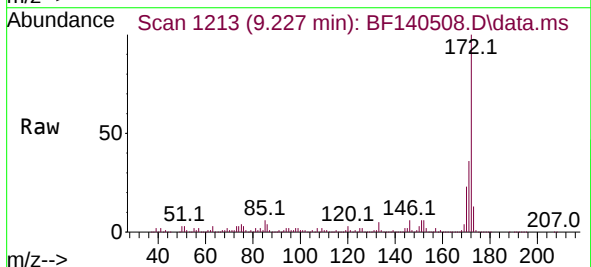
Tgt Ion:172 Resp: 700202

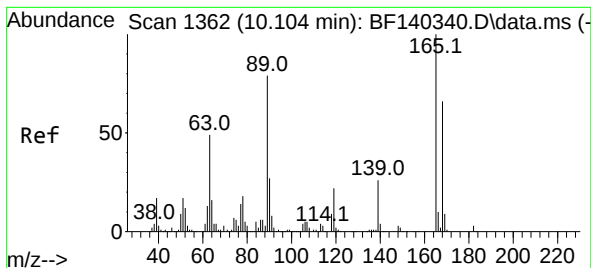
Ion Ratio Lower Upper

172 100

171 35.7 28.5 42.7

170 23.4 19.1 28.7

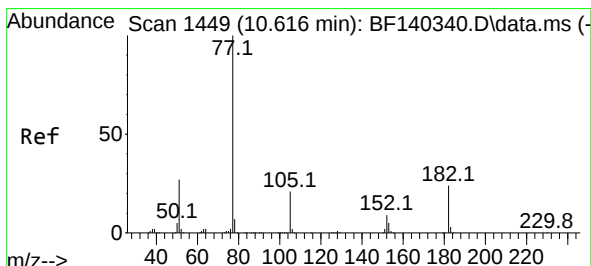
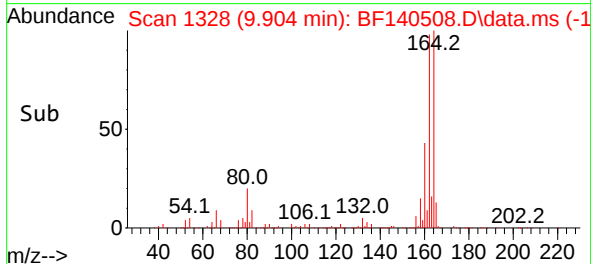
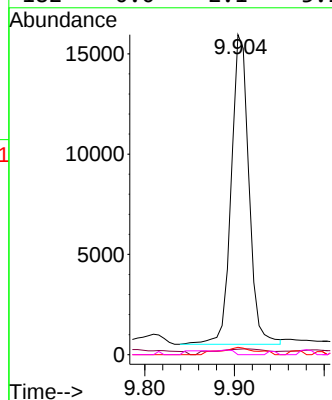
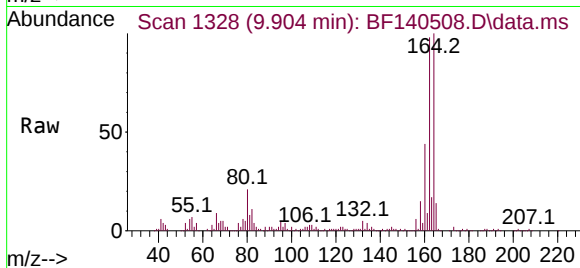




#57  
2,4-Dinitrotoluene  
Concen: 6.931 ng  
RT: 9.904 min Scan# 11  
Delta R.T. -0.200 min  
Lab File: BF140508.D  
Acq: 20 Nov 2024 19:09

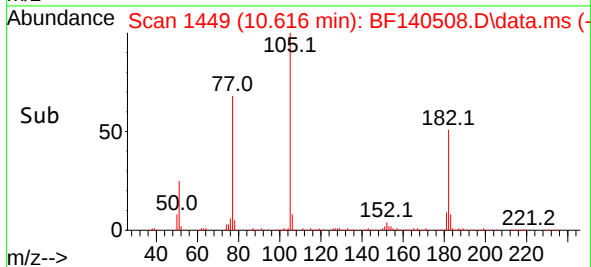
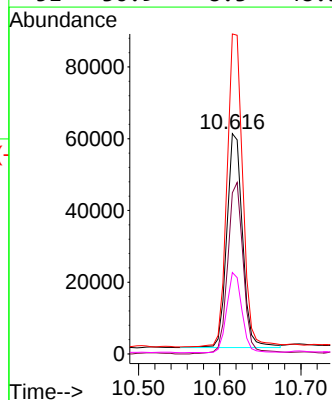
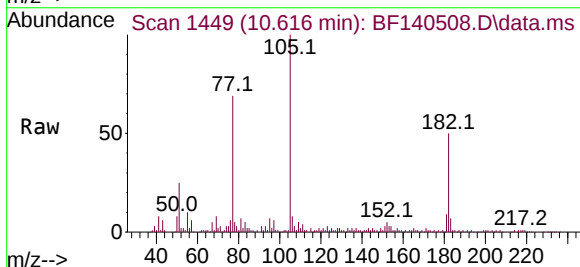
Instrument :  
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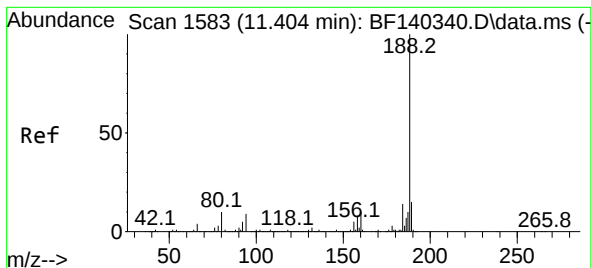
Tgt Ion:165 Resp: 21100  
Ion Ratio Lower Upper  
165 100  
63 1.7 39.4 59.0#  
89 2.3 62.4 93.6#  
182 0.0 2.1 3.1#



#63  
Azobenzene  
Concen: 7.833 ng  
RT: 10.616 min Scan# 1449  
Delta R.T. -0.000 min  
Lab File: BF140508.D  
Acq: 20 Nov 2024 19:09

Tgt Ion: 77 Resp: 80304  
Ion Ratio Lower Upper  
77 100  
182 73.2 4.6 44.6#  
105 145.2 0.9 40.9#  
51 36.9 8.3 48.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140508.D

Acq: 20 Nov 2024 19:09

Instrument :

BNA\_F

ClientSampleId :

B-5

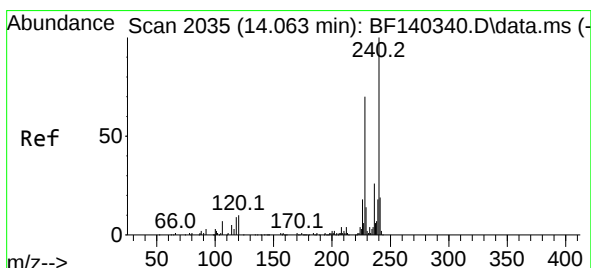
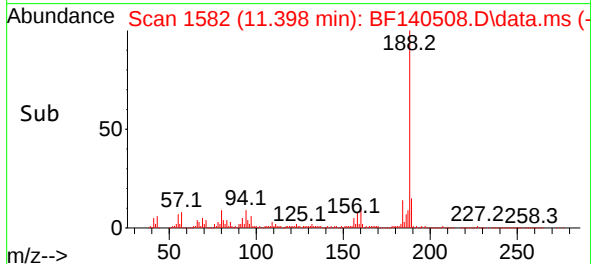
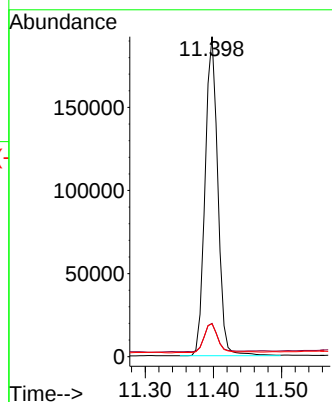
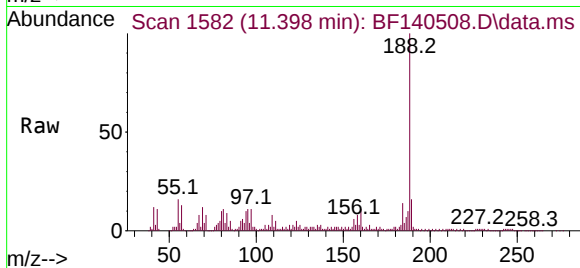
Tgt Ion:188 Resp: 250354

Ion Ratio Lower Upper

188 100

94 10.4 7.6 11.4

80 10.3 8.0 12.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.062 min Scan# 2035

Delta R.T. 0.012 min

Lab File: BF140508.D

Acq: 20 Nov 2024 19:09

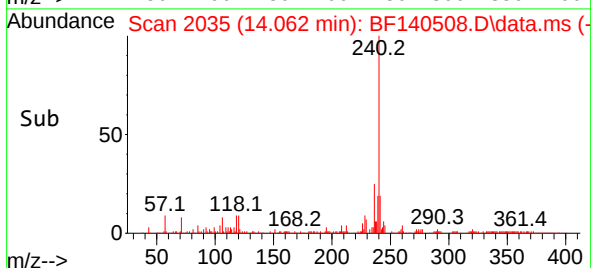
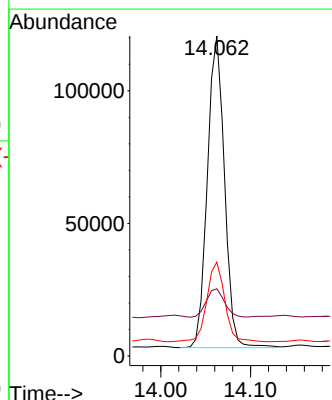
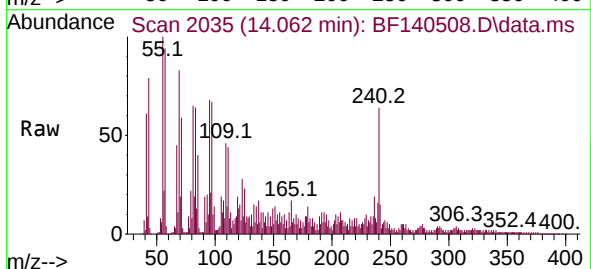
Tgt Ion:240 Resp: 155764

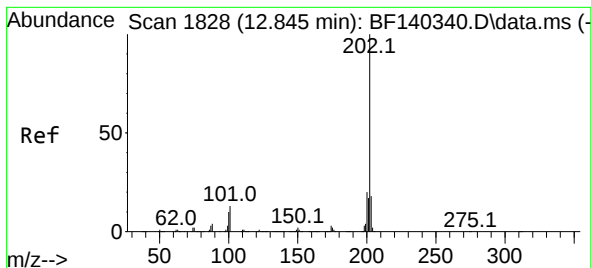
Ion Ratio Lower Upper

240 100

120 21.0 8.8 13.2#

236 29.4 20.9 31.3





#78

Pyrene

Concen: 2.149 ng

RT: 12.851 min Scan# 1828

Delta R.T. 0.006 min

Lab File: BF140508.D

Acq: 20 Nov 2024 19:09

Instrument :

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ClientSampleId :

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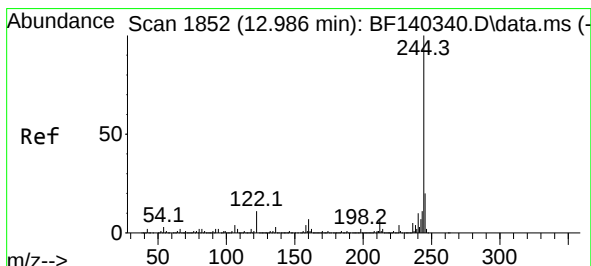
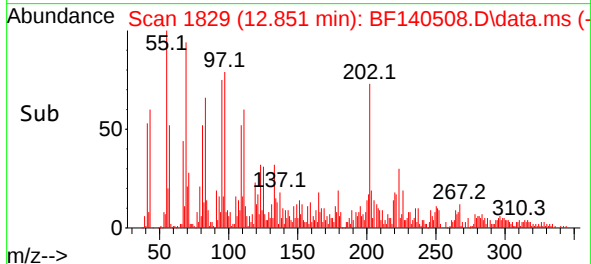
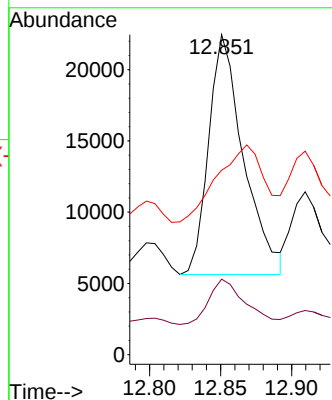
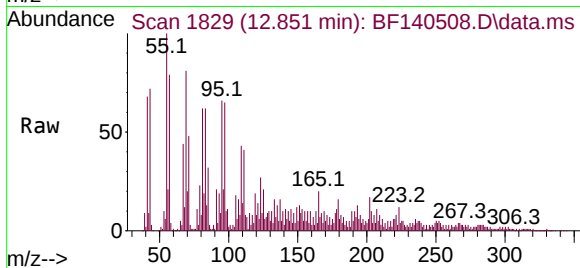
Tgt Ion:202 Resp: 28638

Ion Ratio Lower Upper

202 100

200 23.6 16.2 24.2

203 57.7 14.2 21.4#



#79

Terphenyl-d14

Concen: 63.664 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.006 min

Lab File: BF140508.D

Acq: 20 Nov 2024 19:09

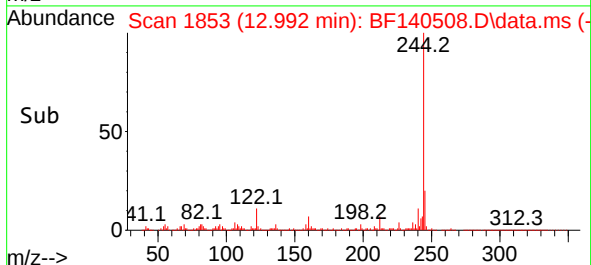
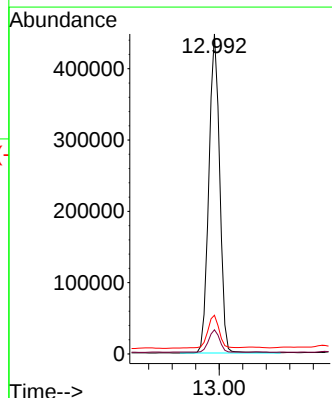
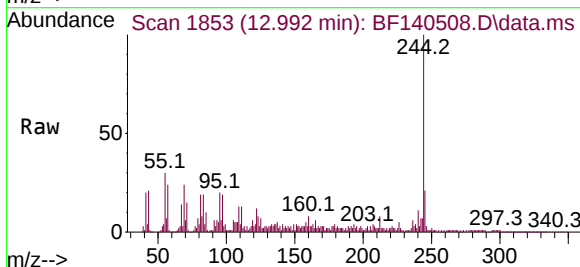
Tgt Ion:244 Resp: 571296

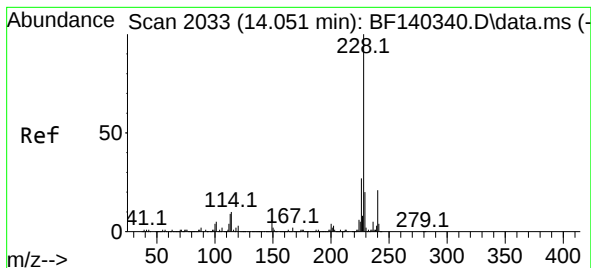
Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

122 12.1 8.8 13.2





#81

Benzo(a)anthracene

Concen: 4.883 ng

RT: 14.074 min Scan# 2037

Delta R.T. 0.035 min

Lab File: BF140508.D

Acq: 20 Nov 2024 19:09

Instrument :

BNA\_F

ClientSampleId :

B-5

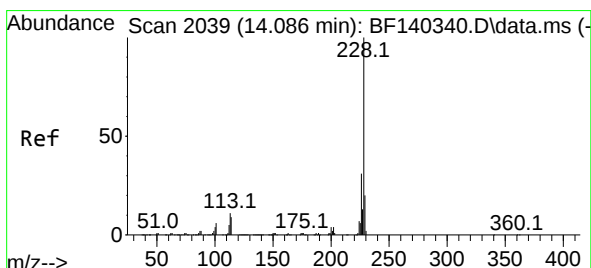
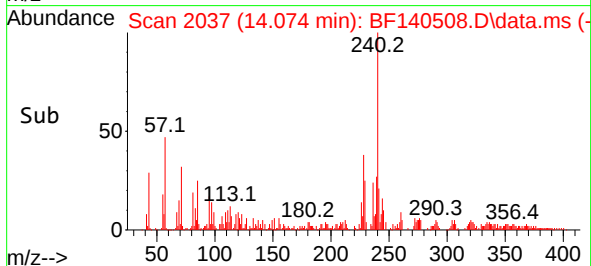
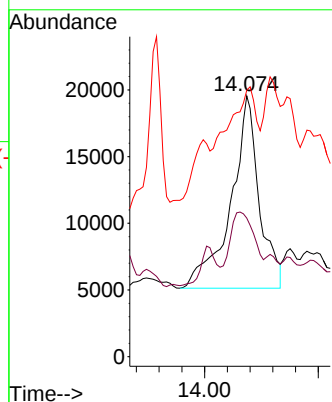
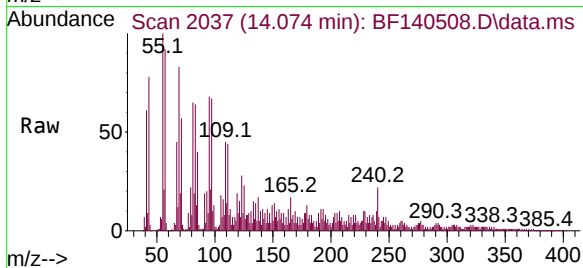
Tgt Ion:228 Resp: 49991

Ion Ratio Lower Upper

228 100

226 53.1 22.2 33.4#

229 102.2 15.8 23.6#



#83

Chrysene

Concen: 5.352 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF140508.D

Acq: 20 Nov 2024 19:09

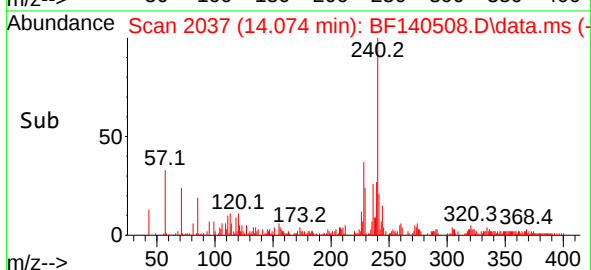
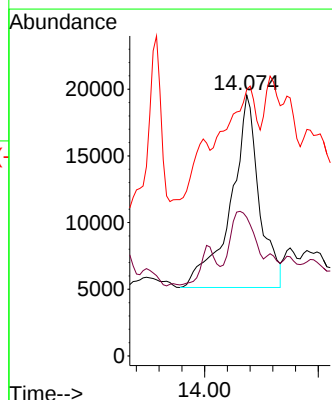
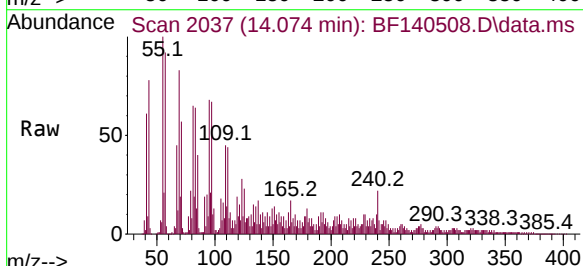
Tgt Ion:228 Resp: 49991

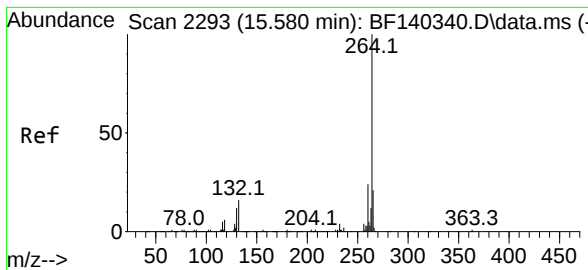
Ion Ratio Lower Upper

228 100

226 53.1 24.5 36.7#

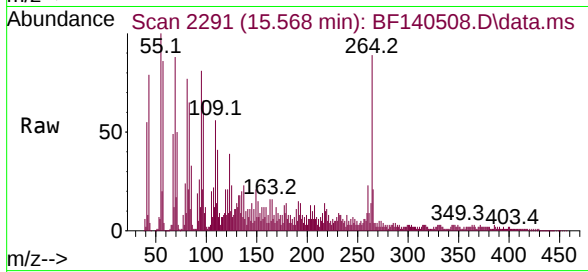
229 102.2 16.0 24.0#





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.568 min Scan# 21  
 Delta R.T. 0.012 min  
 Lab File: BF140508.D  
 Acq: 20 Nov 2024 19:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-5



Tgt Ion:264 Resp: 143752

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.3  | 19.2  | 28.8  |
| 265 | 24.0  | 17.1  | 25.7  |

