

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
 Data File : BF140542.D  
 Acq On : 21 Nov 2024 18:21  
 Operator : RC/JU  
 Sample : P4887-02  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-739

Quant Time: Nov 22 00:10:03 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

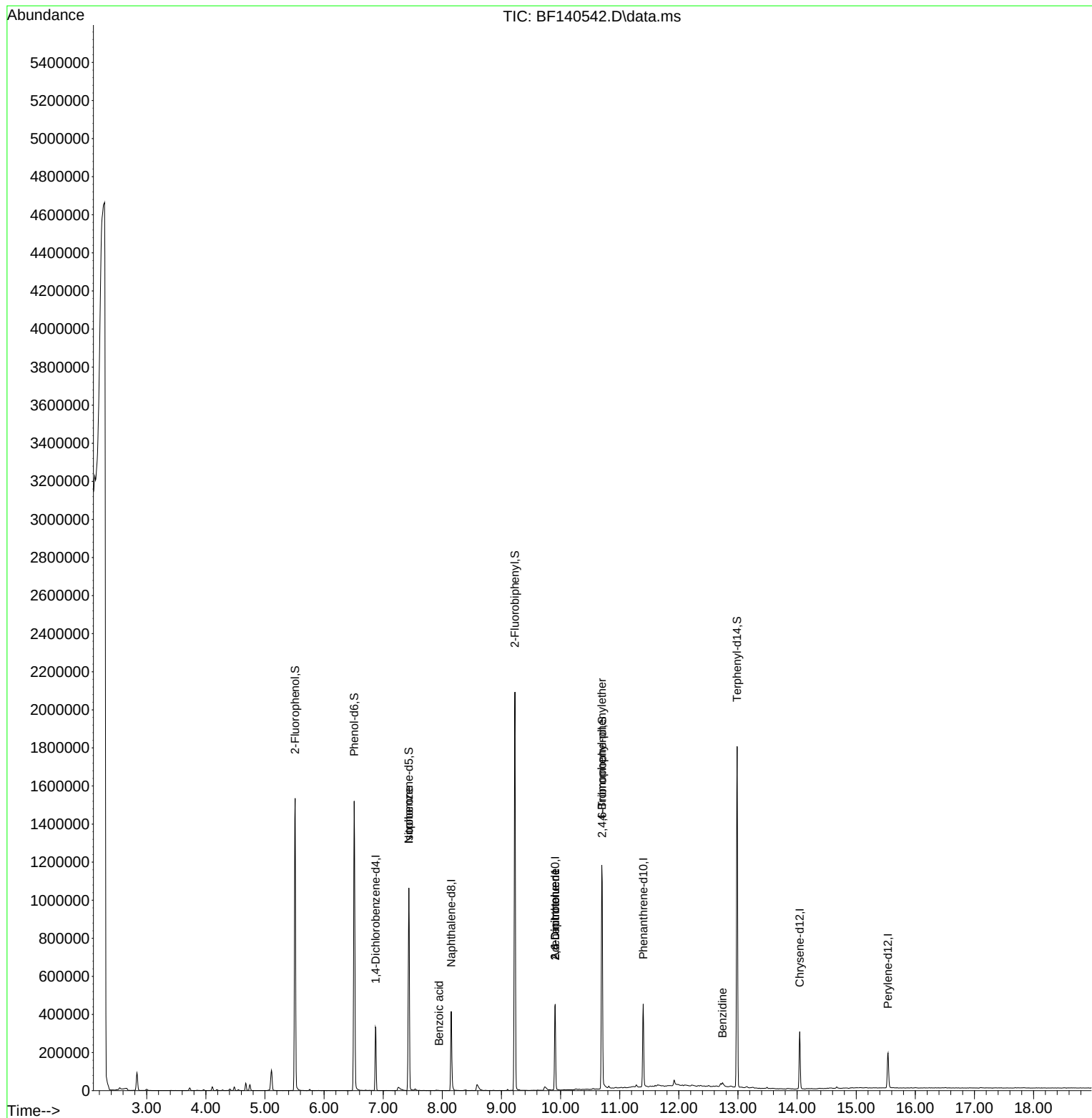
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 72067    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 264074   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 138866   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 232343   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 144485   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.539 | 264  | 117768   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 572273   | 135.487 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.510  | 99   | 726985   | 130.191 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 495022   | 95.884  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 206428   | 138.992 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.228  | 172  | 924694   | 99.214  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 863942   | 93.108  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 25) Isophorone                | 7.434  | 82   | 490771   | 56.994  | ng    | # 66     |
| 32) Benzoic acid              | 7.945  | 122  | 338      | 7.309   | ng    | # 30     |
| 51) 2,6-Dinitrotoluene        | 9.910  | 165  | 17356    | 8.368   | ng    | # 20     |
| 57) 2,4-Dinitrotoluene        | 9.910  | 165  | 17356    | 6.296   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.698 | 248  | 13687    | 5.720   | ng    | # 1      |
| 77) Benzidine                 | 12.739 | 184  | 12849    | 3.059   | ng    | # 94     |
| -----                         |        |      |          |         |       |          |

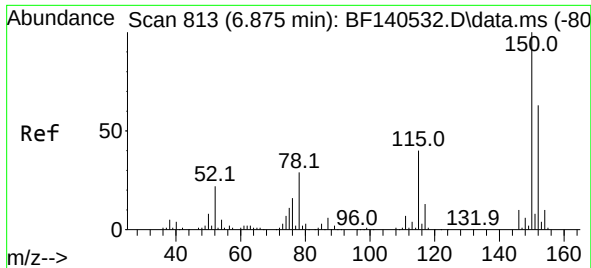
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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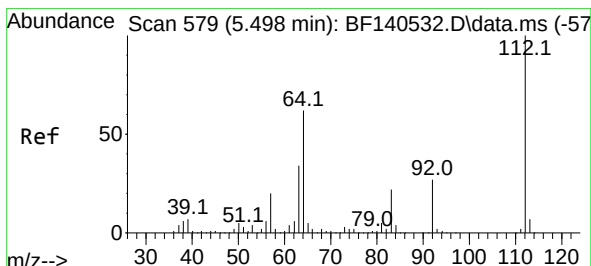
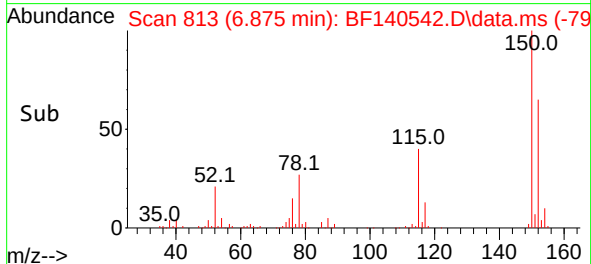
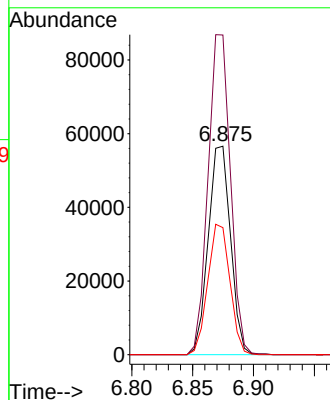
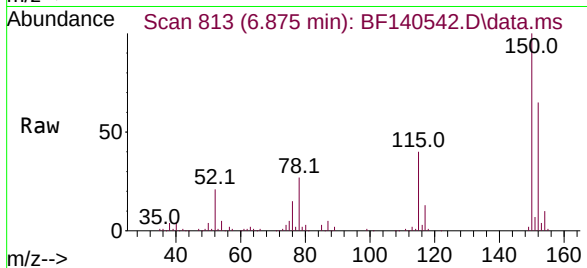




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF140542.D  
Acq: 21 Nov 2024 18:21

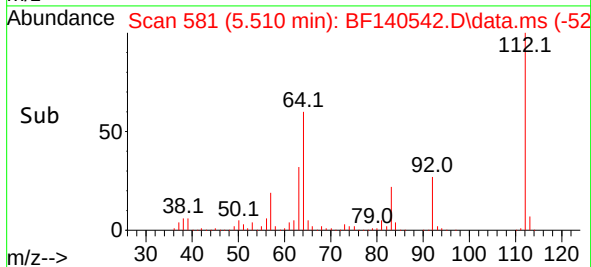
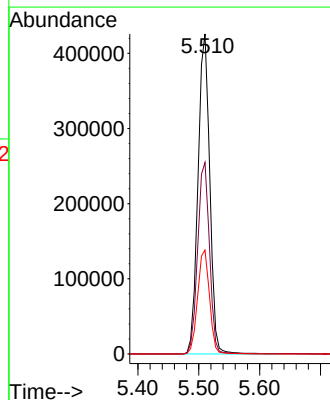
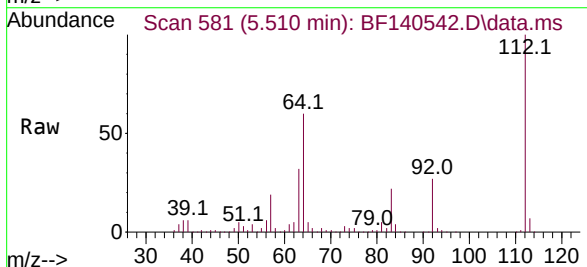
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BNA\_F  
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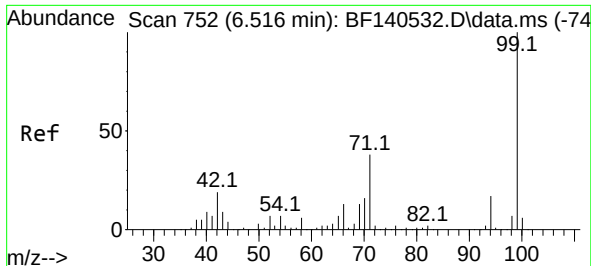
Tgt Ion:152 Resp: 72067  
Ion Ratio Lower Upper  
152 100  
150 153.4 128.5 192.7  
115 60.9 50.2 75.4



#5  
2-Fluorophenol  
Concen: 135.487 ng  
RT: 5.510 min Scan# 581  
Delta R.T. 0.012 min  
Lab File: BF140542.D  
Acq: 21 Nov 2024 18:21

Tgt Ion:112 Resp: 572273  
Ion Ratio Lower Upper  
112 100  
64 59.9 49.2 73.8  
63 32.5 27.0 40.4

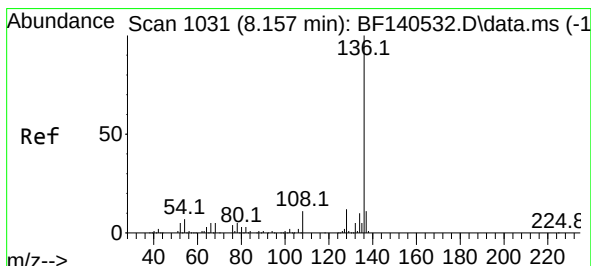
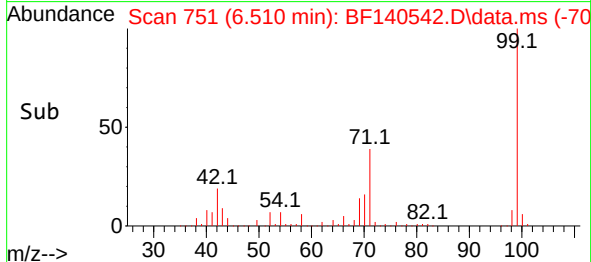
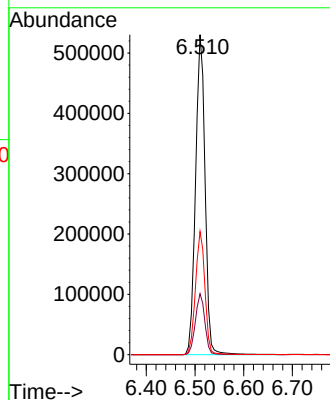
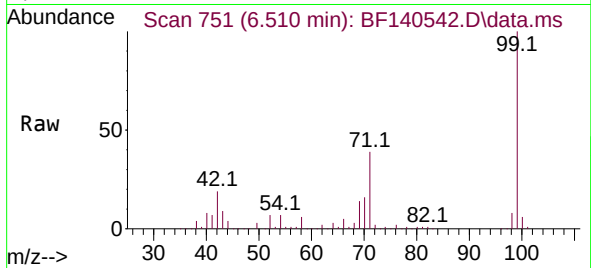




#7  
Phenol-d6  
Concen: 130.191 ng  
RT: 6.510 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF140542.D  
Acq: 21 Nov 2024 18:21

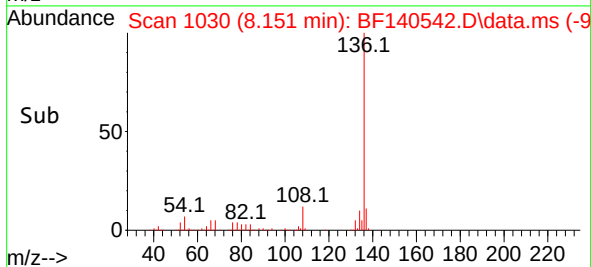
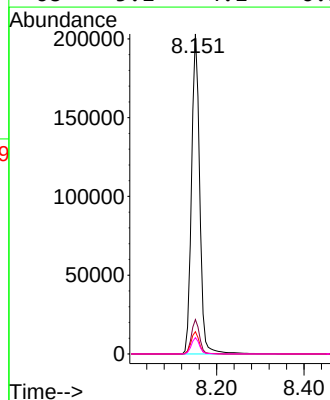
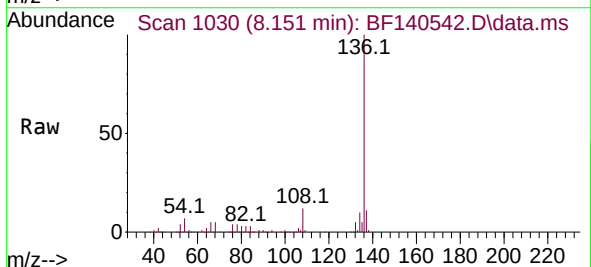
Instrument :  
BNA\_F  
ClientSampleId :  
MH-739

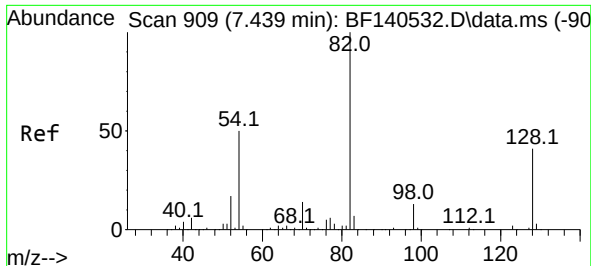
Tgt Ion: 99 Resp: 726985  
Ion Ratio Lower Upper  
99 100  
42 19.0 15.4 23.0  
71 38.5 30.6 46.0



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF140542.D  
Acq: 21 Nov 2024 18:21

Tgt Ion: 136 Resp: 264074  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 13.0  
54 7.0 5.8 8.8  
68 5.1 4.1 6.1

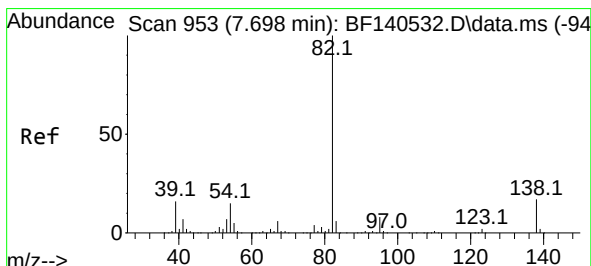
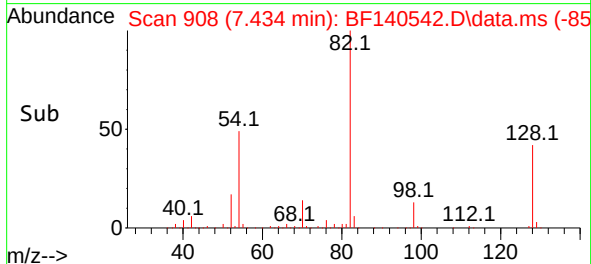
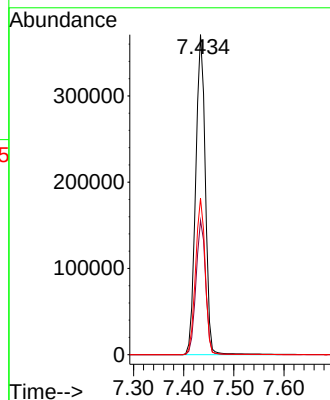
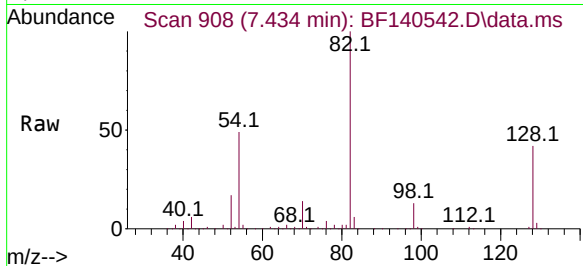




#23  
Nitrobenzene-d5  
Concen: 95.884 ng  
RT: 7.434 min Scan# 908  
Delta R.T. -0.006 min  
Lab File: BF140542.D  
Acq: 21 Nov 2024 18:21

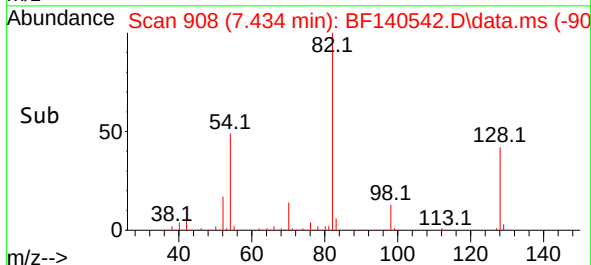
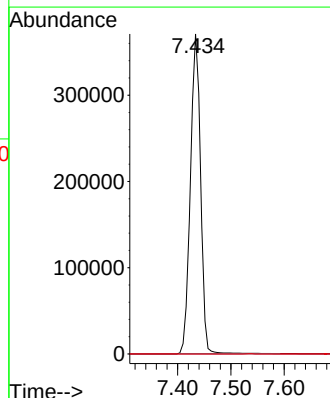
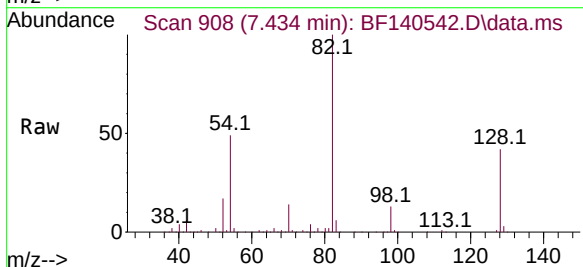
Instrument :  
BNA\_F  
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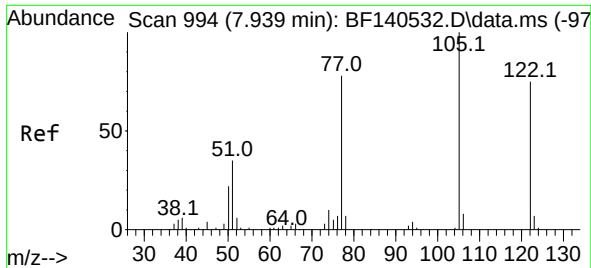
Tgt Ion: 82 Resp: 495022  
Ion Ratio Lower Upper  
82 100  
128 42.0 33.0 49.4  
54 48.8 39.5 59.3



#25  
Isophorone  
Concen: 56.994 ng  
RT: 7.434 min Scan# 908  
Delta R.T. -0.265 min  
Lab File: BF140542.D  
Acq: 21 Nov 2024 18:21

Tgt Ion: 82 Resp: 490771  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.4 9.6#  
138 0.0 13.8 20.6#

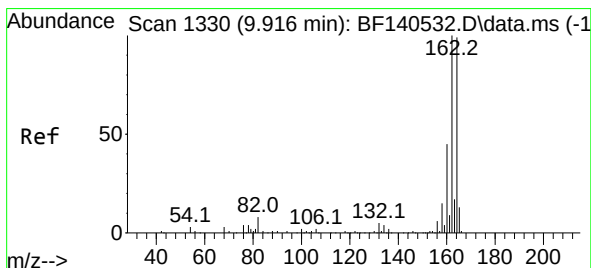
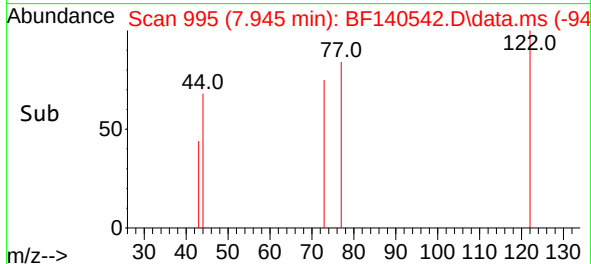
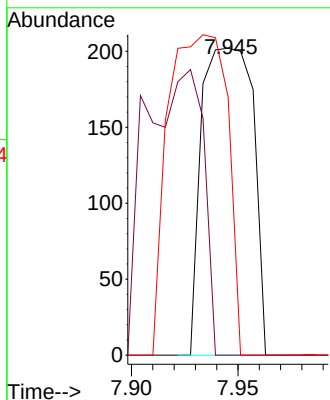
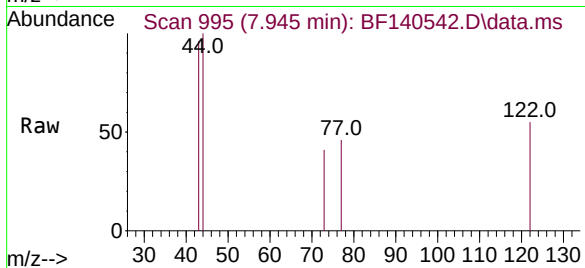




#32  
Benzoic acid  
Concen: 7.309 ng  
RT: 7.945 min Scan# 994  
Delta R.T. 0.006 min  
Lab File: BF140542.D  
Acq: 21 Nov 2024 18:21

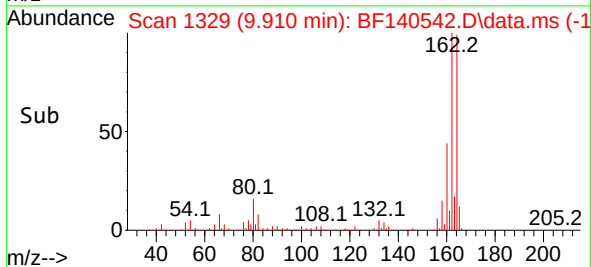
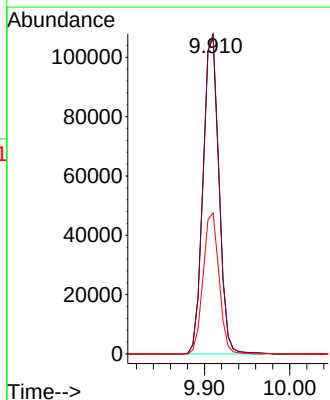
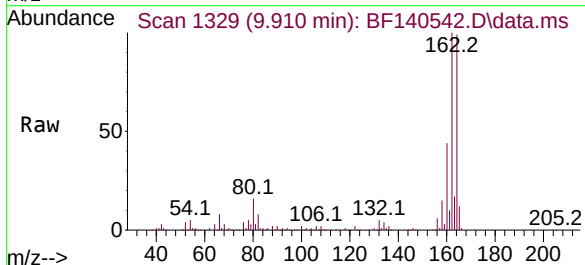
Instrument :  
BNA\_F  
ClientSampleId :  
MH-739

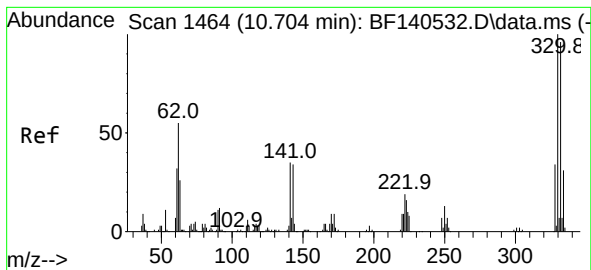
Tgt Ion:122 Resp: 338  
Ion Ratio Lower Upper  
122 100  
105 0.0 109.3 149.3#  
77 84.2 82.3 122.3



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.910 min Scan# 1329  
Delta R.T. -0.006 min  
Lab File: BF140542.D  
Acq: 21 Nov 2024 18:21

Tgt Ion:164 Resp: 138866  
Ion Ratio Lower Upper  
164 100  
162 101.1 80.6 120.8  
160 44.6 36.2 54.4

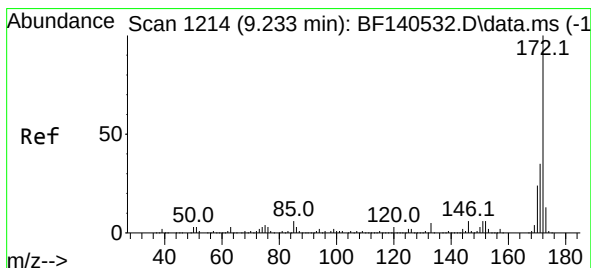
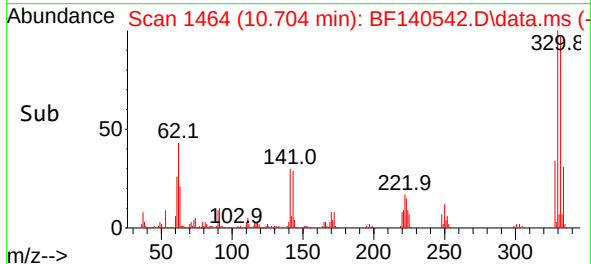
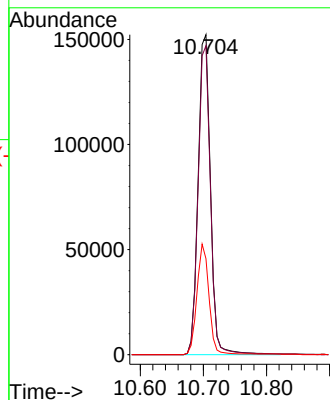
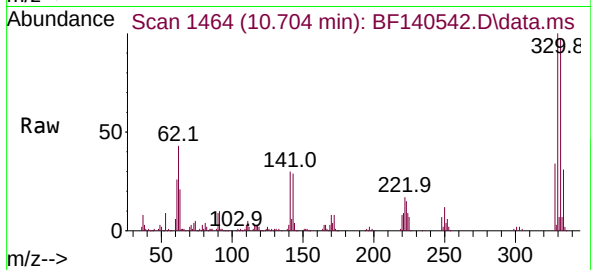




#42  
2,4,6-Tribromophenol  
Concen: 138.992 ng  
RT: 10.704 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: BF140542.D  
Acq: 21 Nov 2024 18:21

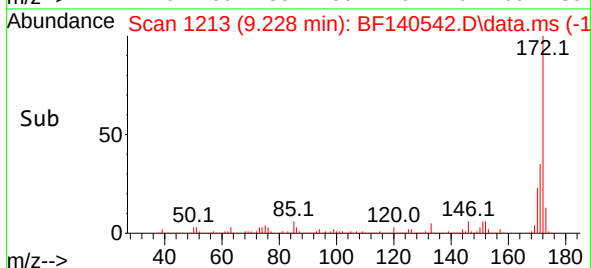
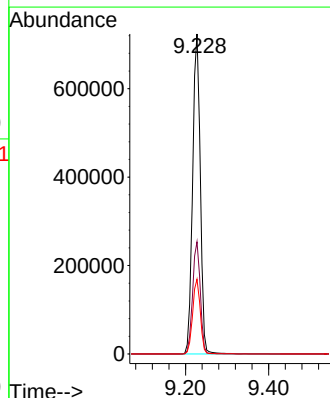
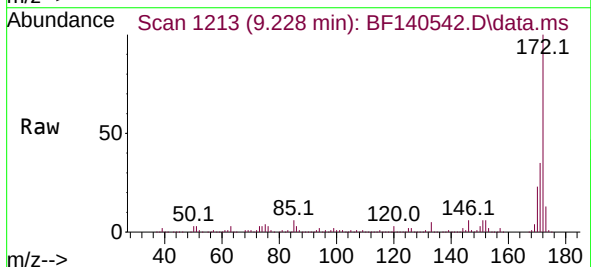
Instrument :  
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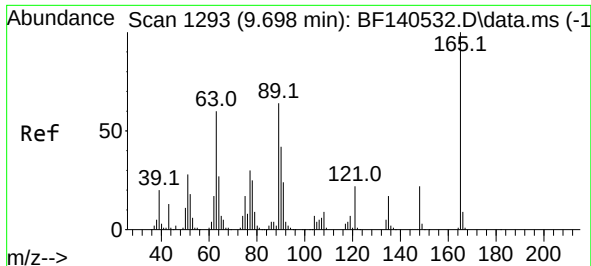
Tgt Ion:330 Resp: 206428  
Ion Ratio Lower Upper  
330 100  
332 96.8 76.9 115.3  
141 34.0 26.7 40.1



#45  
2-Fluorobiphenyl  
Concen: 99.214 ng  
RT: 9.228 min Scan# 1213  
Delta R.T. -0.006 min  
Lab File: BF140542.D  
Acq: 21 Nov 2024 18:21

Tgt Ion:172 Resp: 924694  
Ion Ratio Lower Upper  
172 100  
171 35.0 28.4 42.6  
170 23.4 19.0 28.6

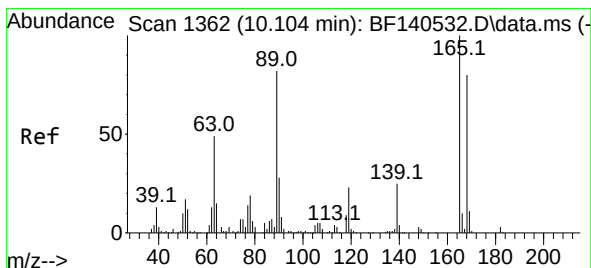
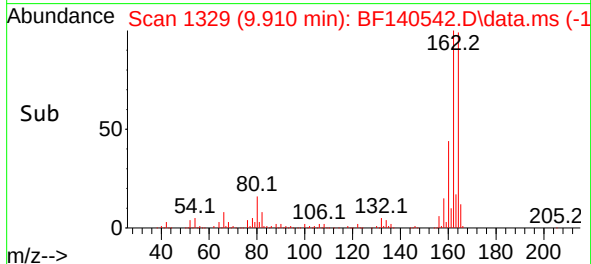
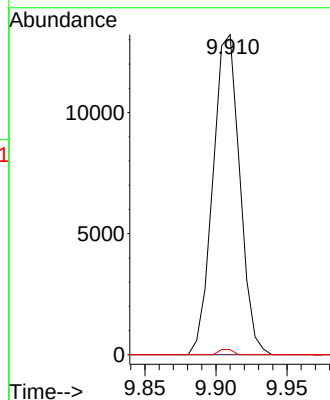
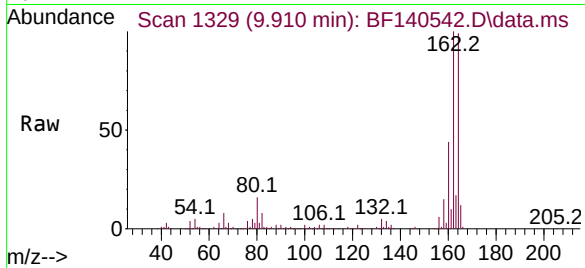




#51  
2,6-Dinitrotoluene  
Concen: 8.368 ng  
RT: 9.910 min Scan# 1329  
Delta R.T. 0.212 min  
Lab File: BF140542.D  
Acq: 21 Nov 2024 18:21

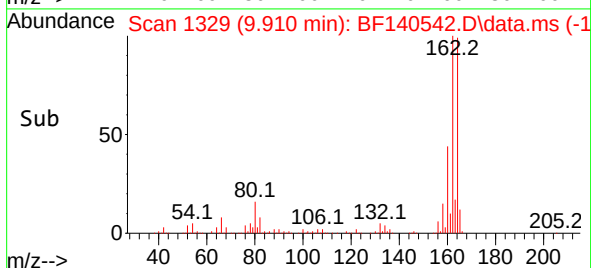
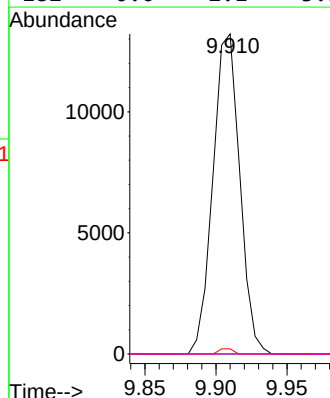
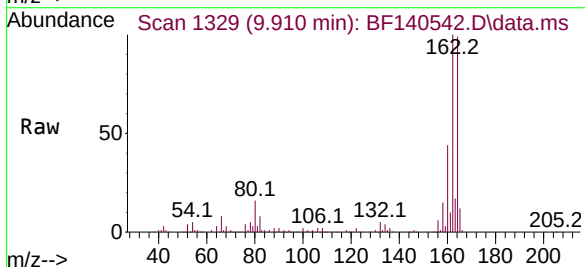
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:165 Resp: 17356  
Ion Ratio Lower Upper  
165 100  
63 0.0 49.9 74.9#  
89 1.6 50.9 76.3#

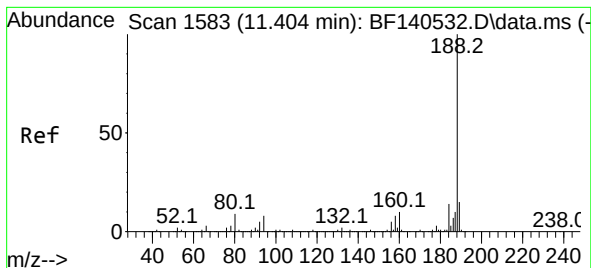


#57  
2,4-Dinitrotoluene  
Concen: 6.296 ng  
RT: 9.910 min Scan# 1329  
Delta R.T. -0.194 min  
Lab File: BF140542.D  
Acq: 21 Nov 2024 18:21

Tgt Ion:165 Resp: 17356  
Ion Ratio Lower Upper  
165 100  
63 0.0 41.7 62.5#  
89 1.6 65.8 98.8#  
182 0.0 2.1 3.1#







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140542.D

Acq: 21 Nov 2024 18:21

Instrument :

BNA\_F

ClientSampleId :

MH-739

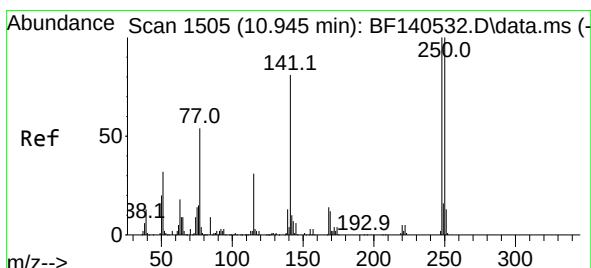
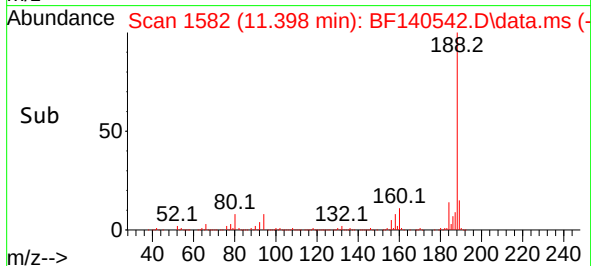
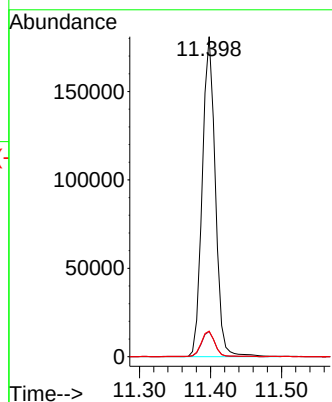
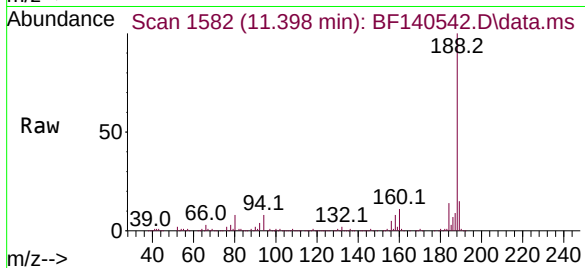
Tgt Ion:188 Resp: 232343

Ion Ratio Lower Upper

188 100

94 7.9 6.4 9.6

80 8.0 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 5.720 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF140542.D

Acq: 21 Nov 2024 18:21

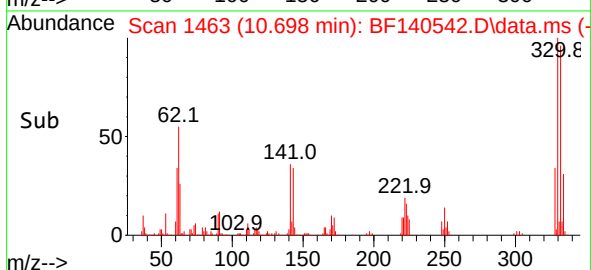
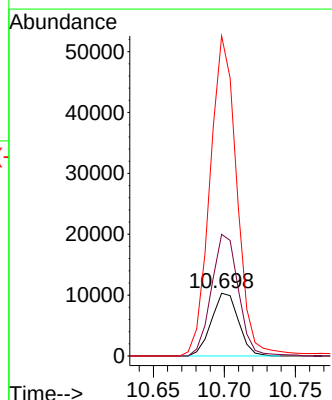
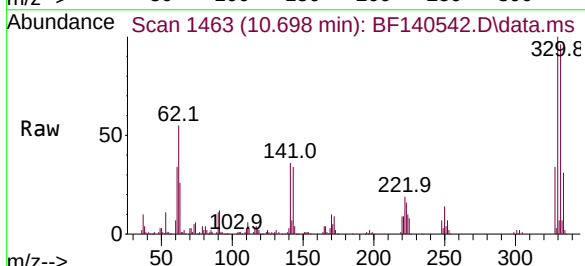
Tgt Ion:248 Resp: 13687

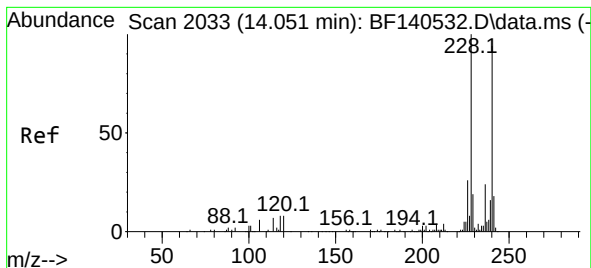
Ion Ratio Lower Upper

248 100

250 194.2 79.8 119.8#

141 510.6 64.7 97.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF140542.D

Acq: 21 Nov 2024 18:21

Instrument :

BNA\_F

ClientSampleId :

MH-739

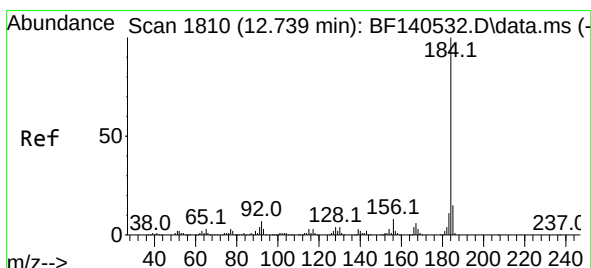
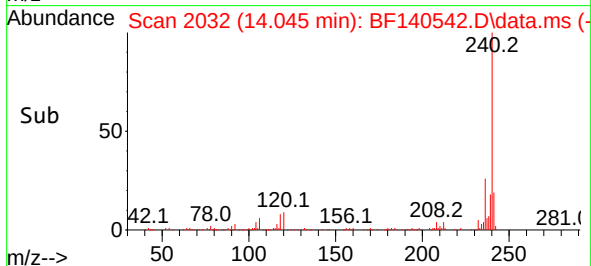
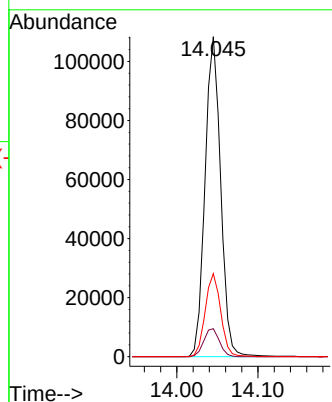
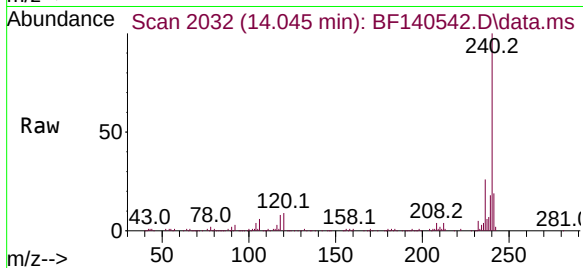
Tgt Ion:240 Resp: 144485

Ion Ratio Lower Upper

240 100

120 8.8 7.3 10.9

236 26.0 20.6 31.0



#77

Benzidine

Concen: 3.059 ng

RT: 12.739 min Scan# 1810

Delta R.T. 0.000 min

Lab File: BF140542.D

Acq: 21 Nov 2024 18:21

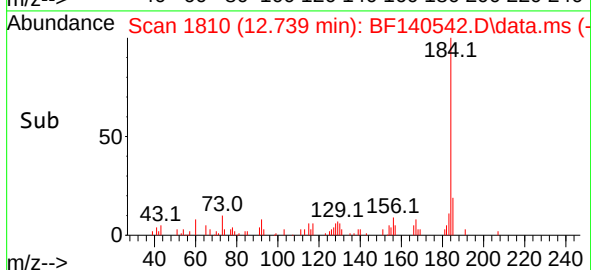
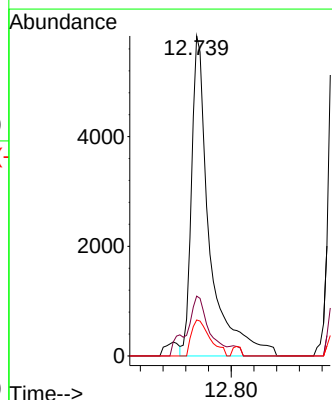
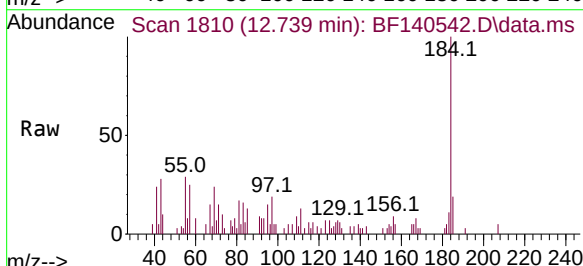
Tgt Ion:184 Resp: 12849

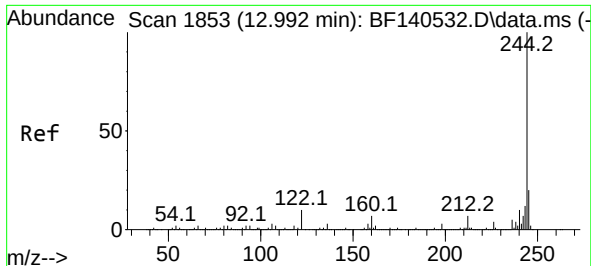
Ion Ratio Lower Upper

184 100

185 18.7 11.7 17.5#

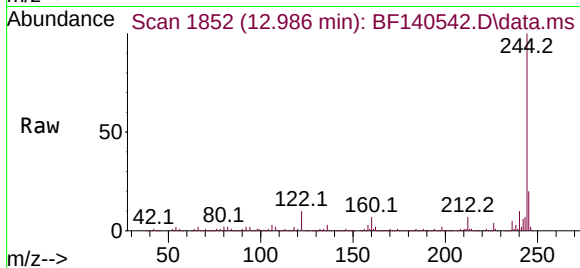
183 11.2 8.8 13.2



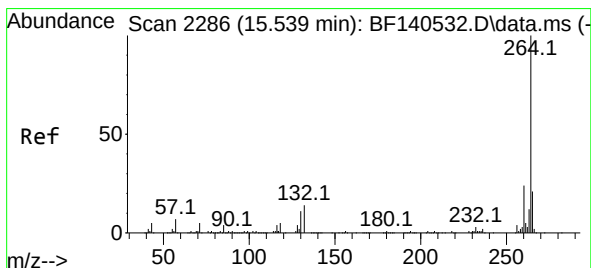
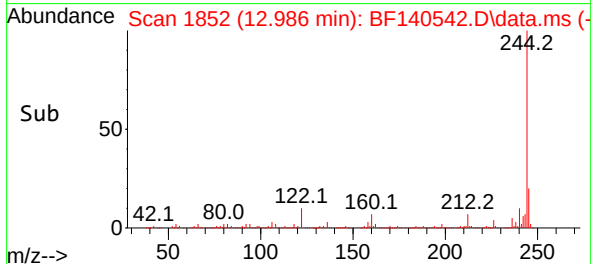
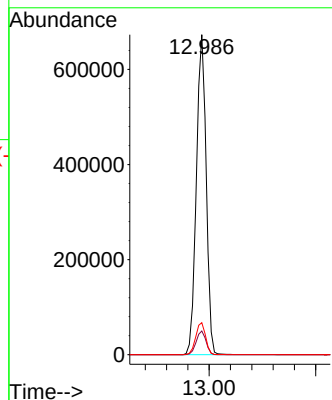


#79  
Terphenyl-d14  
Concen: 93.108 ng  
RT: 12.986 min Scan# 1852  
Delta R.T. -0.006 min  
Lab File: BF140542.D  
Acq: 21 Nov 2024 18:21

Instrument :  
BNA\_F  
ClientSampleId :  
MH-739



Tgt Ion:244 Resp: 863942  
Ion Ratio Lower Upper  
244 100  
212 7.4 5.8 8.8  
122 10.0 8.0 12.0



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.539 min Scan# 2286  
Delta R.T. 0.000 min  
Lab File: BF140542.D  
Acq: 21 Nov 2024 18:21

Tgt Ion:264 Resp: 117768  
Ion Ratio Lower Upper  
264 100  
260 23.3 19.0 28.6  
265 21.2 16.6 25.0

