

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121124\  
 Data File : BF140834.D  
 Acq On : 11 Dec 2024 17:28  
 Operator : RC/JU  
 Sample : P5216-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BP-G-6

Quant Time: Dec 12 00:05:01 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

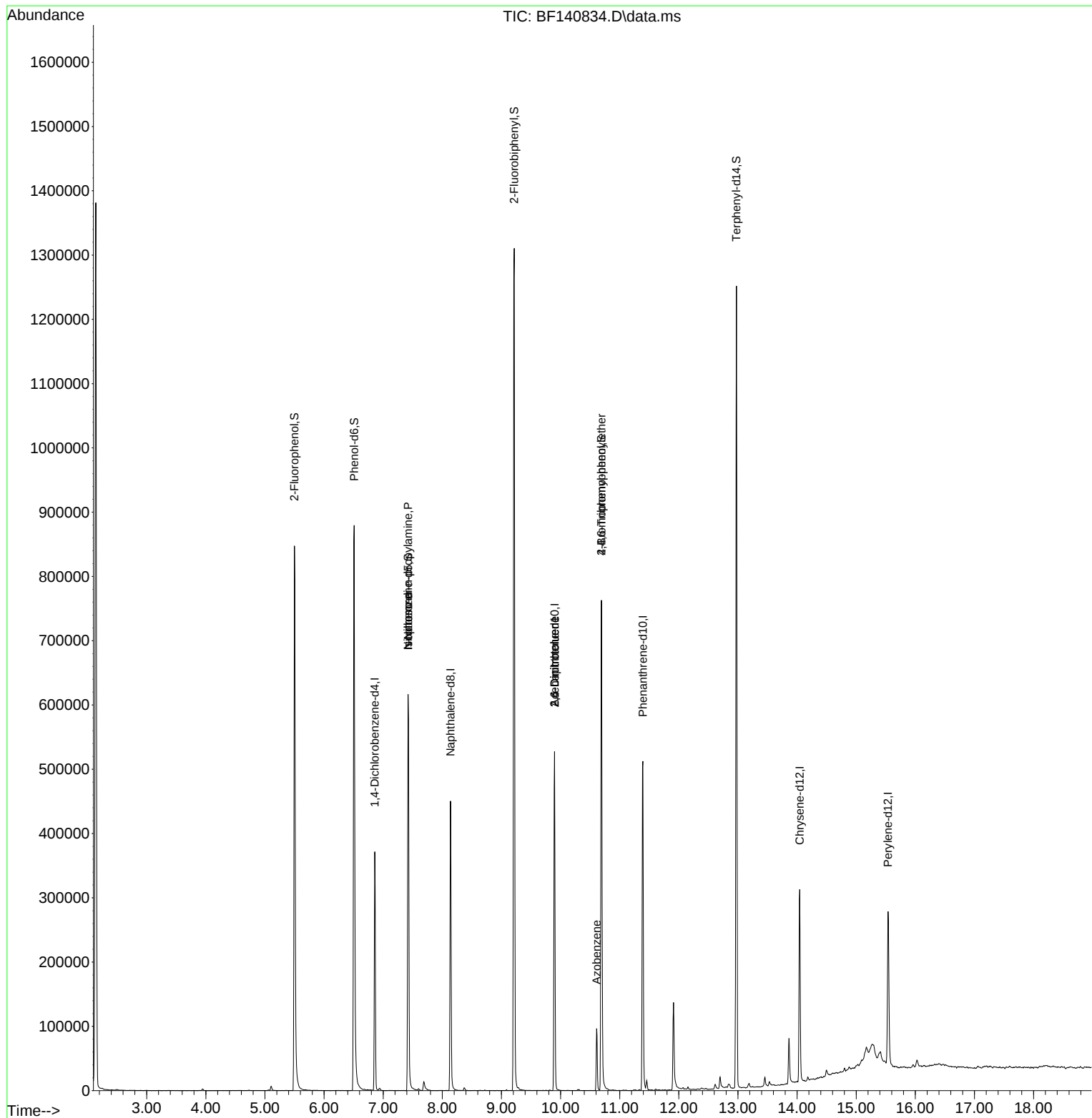
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.857  | 152  | 78002    | 20.000 | ng    | -0.02    |
| 21) Naphthalene-d8            | 8.139  | 136  | 296685   | 20.000 | ng    | -0.02    |
| 39) Acenaphthene-d10          | 9.898  | 164  | 164151   | 20.000 | ng    | -0.02    |
| 64) Phenanthrene-d10          | 11.392 | 188  | 305051   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12              | 14.045 | 240  | 155712   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.539 | 264  | 159671   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 353600   | 77.346 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 463810   | 76.741 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.422  | 82   | 301418   | 51.966 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.692 | 330  | 140161   | 79.836 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.216  | 172  | 608097   | 55.195 | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.974 | 244  | 600724   | 60.073 | ng    | -0.02    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.422  | 70   | 40296    | 11.281 | ng    | # 75     |
| 25) Isophorone                | 7.422  | 82   | 301417   | 31.156 | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.898  | 165  | 20921    | 8.533  | ng    | # 20     |
| 57) 2,4-Dinitrotoluene        | 9.898  | 165  | 20921    | 6.420  | ng    | # 17     |
| 63) Azobenzene                | 10.610 | 77   | 26693    | 2.566  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.692 | 248  | 8639     | 2.750  | ng    | # 1      |
| -----                         |        |      |          |        |       |          |

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

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Sample : P5216-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BP-G-6

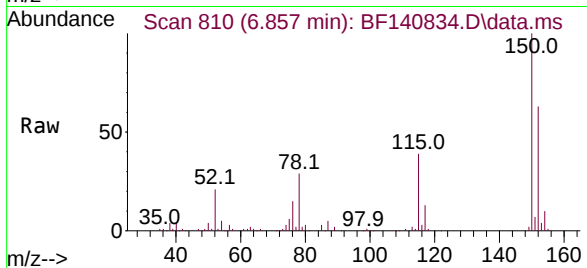
Quant Time: Dec 12 00:05:01 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration



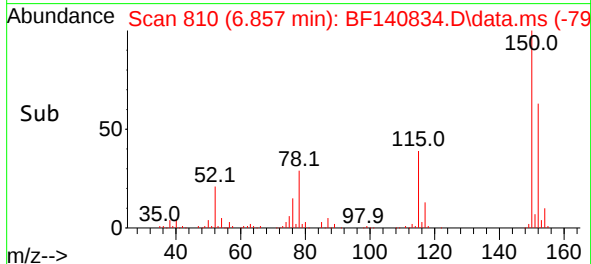
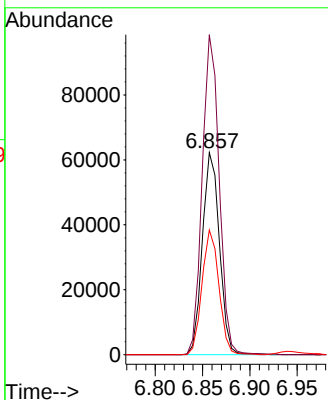


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.857 min Scan# 813  
Delta R.T. -0.018 min  
Lab File: BF140834.D  
Acq: 11 Dec 2024 17:28

Instrument :  
BNA\_F  
ClientSampleId :  
BP-G-6

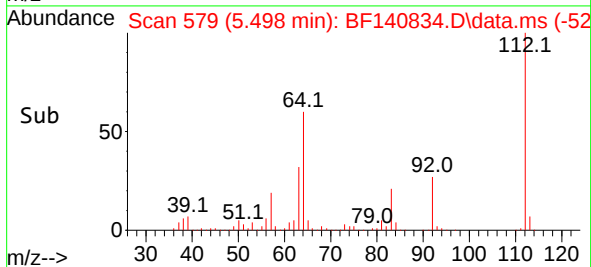
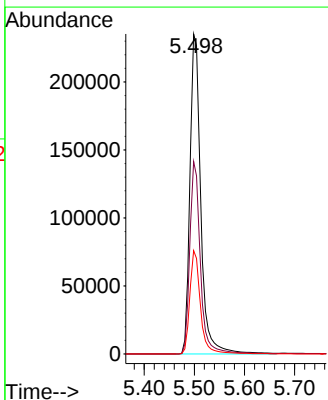
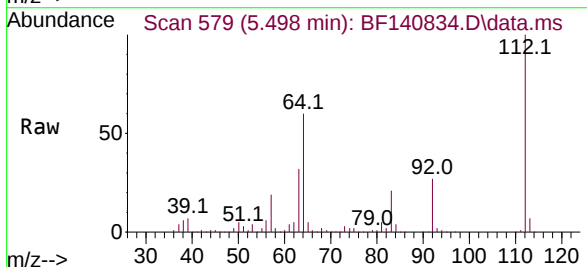


Tgt Ion:152 Resp: 78002  
Ion Ratio Lower Upper  
152 100  
150 158.3 128.5 192.7  
115 61.6 50.2 75.4



#5  
2-Fluorophenol  
Concen: 77.346 ng  
RT: 5.498 min Scan# 579  
Delta R.T. 0.000 min  
Lab File: BF140834.D  
Acq: 11 Dec 2024 17:28

Tgt Ion:112 Resp: 353600  
Ion Ratio Lower Upper  
112 100  
64 60.2 49.2 73.8  
63 32.3 27.0 40.4

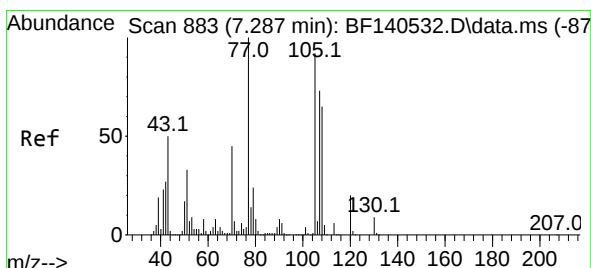
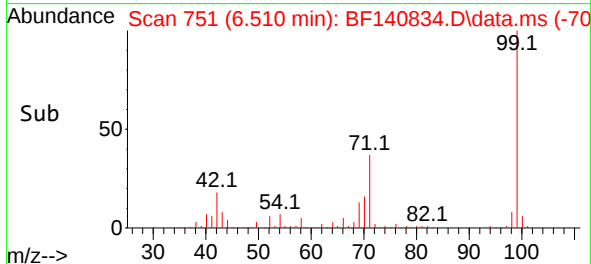
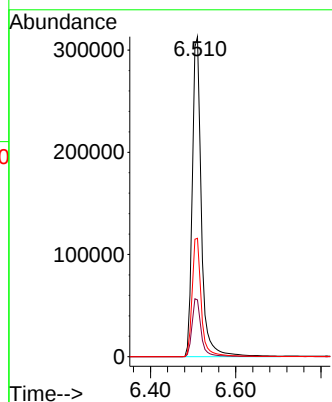
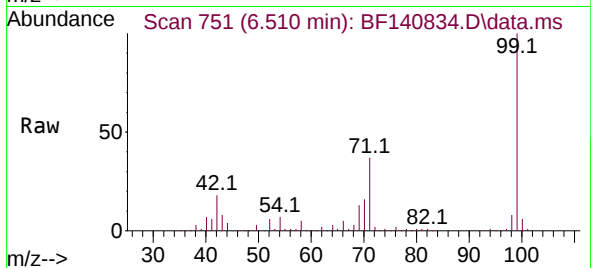




#7  
Phenol-d6  
Concen: 76.741 ng  
RT: 6.510 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF140834.D  
Acq: 11 Dec 2024 17:28

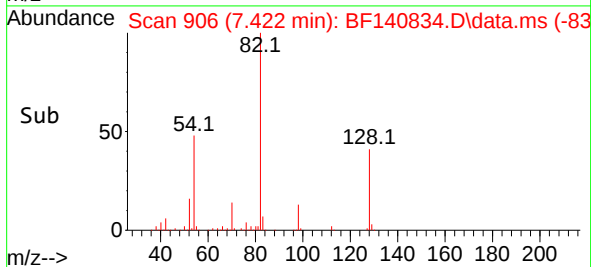
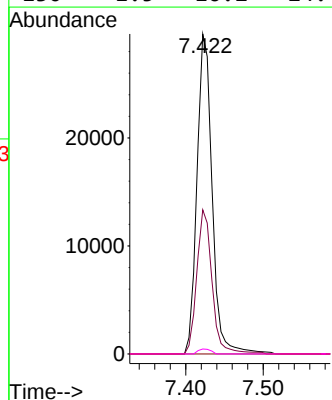
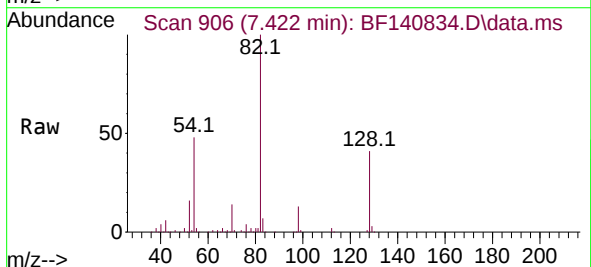
Instrument :  
BNA\_F  
ClientSampleId :  
BP-G-6

Tgt Ion: 99 Resp: 463810  
Ion Ratio Lower Upper  
99 100  
42 17.8 15.4 23.0  
71 37.0 30.6 46.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 11.281 ng  
RT: 7.422 min Scan# 906  
Delta R.T. 0.135 min  
Lab File: BF140834.D  
Acq: 11 Dec 2024 17:28

Tgt Ion: 70 Resp: 40296  
Ion Ratio Lower Upper  
70 100  
42 45.0 47.6 71.4#  
101 0.0 7.6 11.4#  
130 1.5 16.2 24.4#



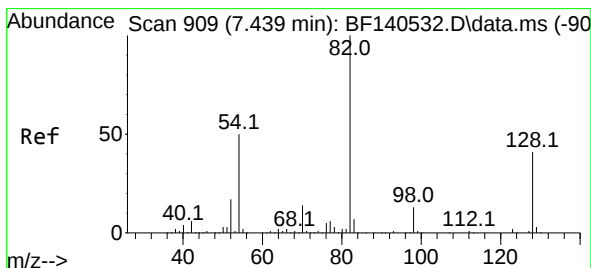
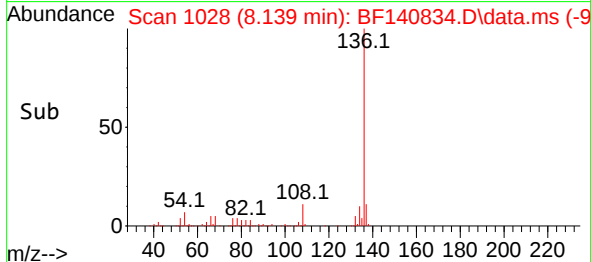
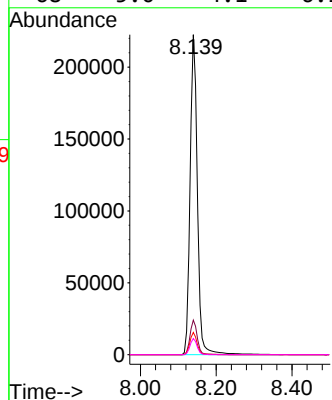
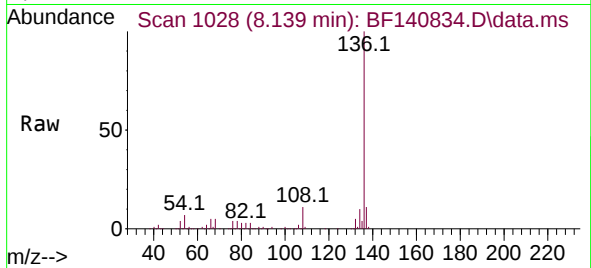


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.139 min Scan# 1031  
Delta R.T. -0.018 min  
Lab File: BF140834.D  
Acq: 11 Dec 2024 17:28

Instrument :  
BNA\_F  
ClientSampleId :  
BP-G-6

Tgt Ion:136 Resp: 296685

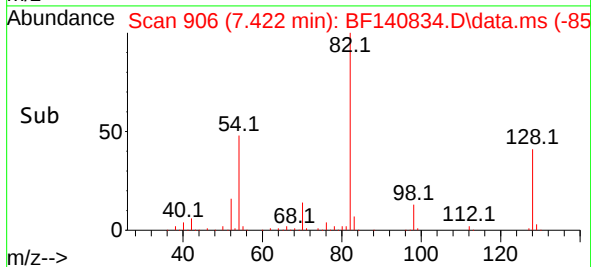
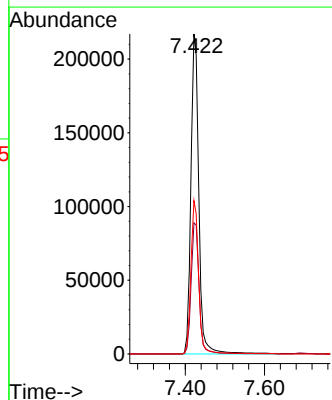
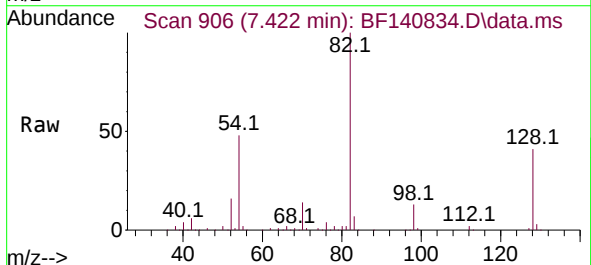
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.6   | 13.0  |
| 54  | 7.0   | 5.8   | 8.8   |
| 68  | 5.0   | 4.1   | 6.1   |



#23  
Nitrobenzene-d5  
Concen: 51.966 ng  
RT: 7.422 min Scan# 906  
Delta R.T. -0.018 min  
Lab File: BF140834.D  
Acq: 11 Dec 2024 17:28

Tgt Ion: 82 Resp: 301418

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 41.0  | 33.0  | 49.4  |
| 54  | 47.9  | 39.5  | 59.3  |

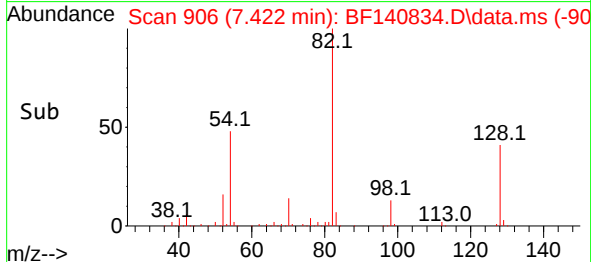
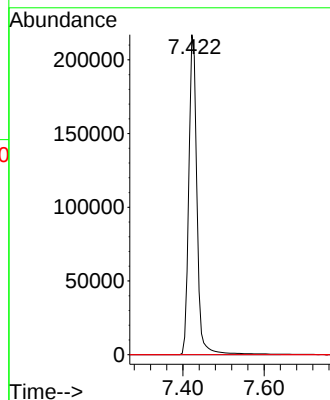
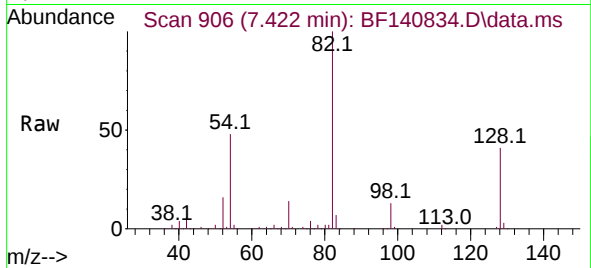




#25  
Isophorone  
Concen: 31.156 ng  
RT: 7.422 min Scan# 90  
Delta R.T. -0.276 min  
Lab File: BF140834.D  
Acq: 11 Dec 2024 17:28

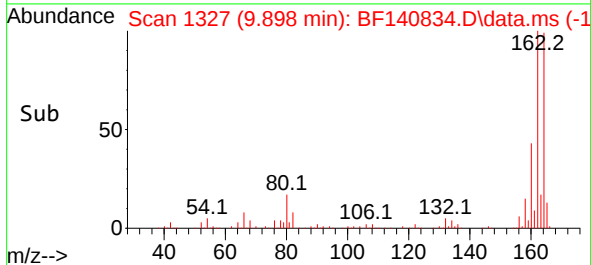
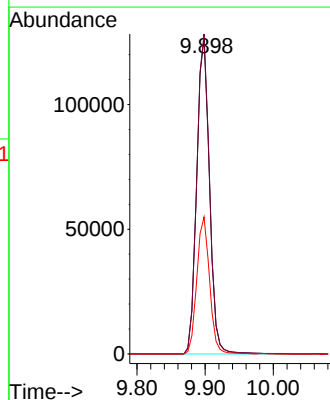
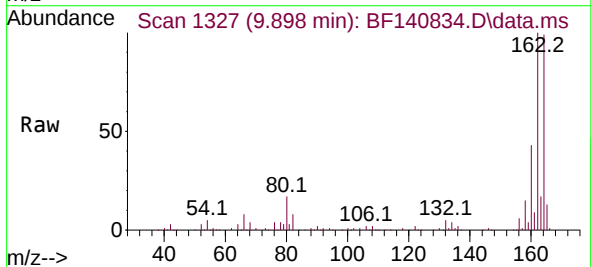
Instrument :  
BNA\_F  
ClientSampleId :  
BP-G-6

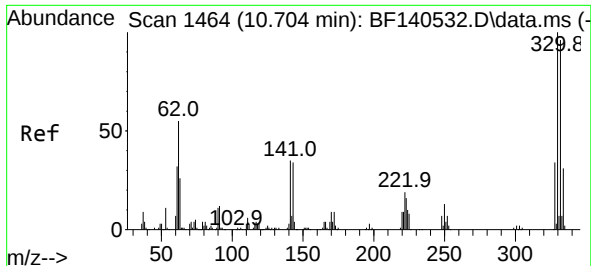
Tgt Ion: 82 Resp: 301417  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.4 9.6#  
138 0.0 13.8 20.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.898 min Scan# 1327  
Delta R.T. -0.018 min  
Lab File: BF140834.D  
Acq: 11 Dec 2024 17:28

Tgt Ion: 164 Resp: 164151  
Ion Ratio Lower Upper  
164 100  
162 101.4 80.6 120.8  
160 43.4 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 79.836 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF140834.D

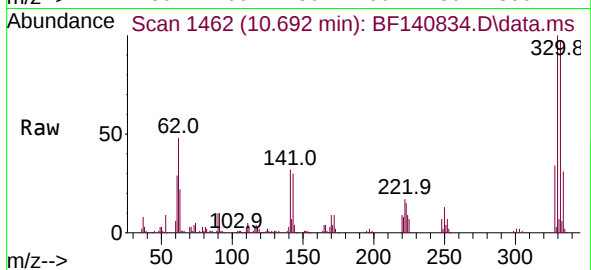
Acq: 11 Dec 2024 17:28

Instrument :

BNA\_F

ClientSampleId :

BP-G-6



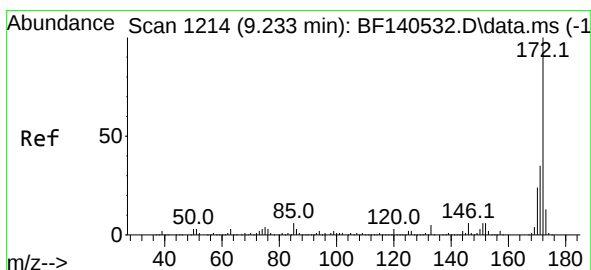
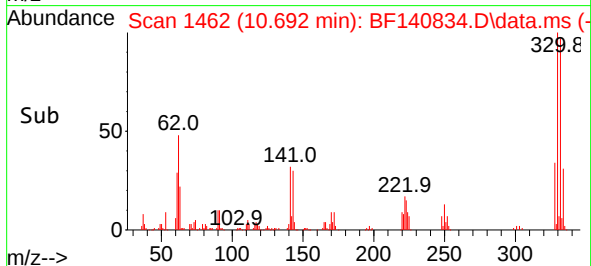
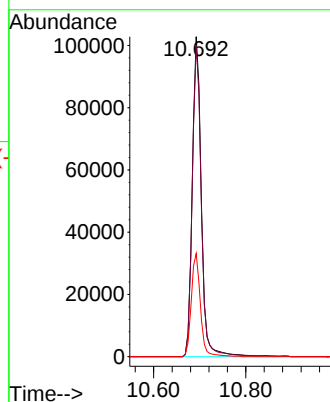
Tgt Ion:330 Resp: 140161

Ion Ratio Lower Upper

330 100

332 96.8 76.9 115.3

141 32.4 26.7 40.1



#45

2-Fluorobiphenyl

Concen: 55.195 ng

RT: 9.216 min Scan# 1211

Delta R.T. -0.018 min

Lab File: BF140834.D

Acq: 11 Dec 2024 17:28

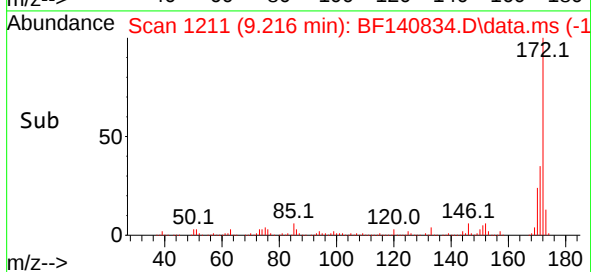
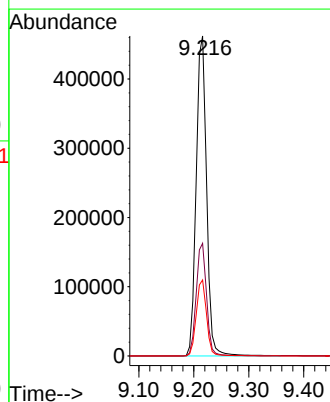
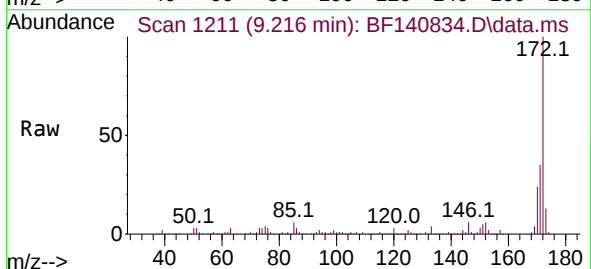
Tgt Ion:172 Resp: 608097

Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 23.7 19.0 28.6

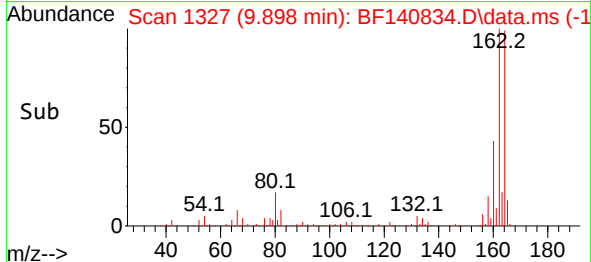
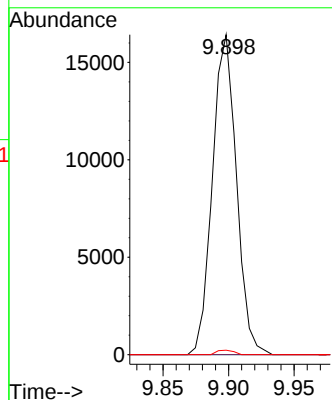
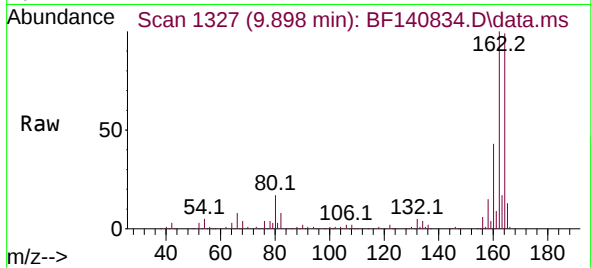




#51  
2,6-Dinitrotoluene  
Concen: 8.533 ng  
RT: 9.898 min Scan# 11  
Delta R.T. 0.200 min  
Lab File: BF140834.D  
Acq: 11 Dec 2024 17:28

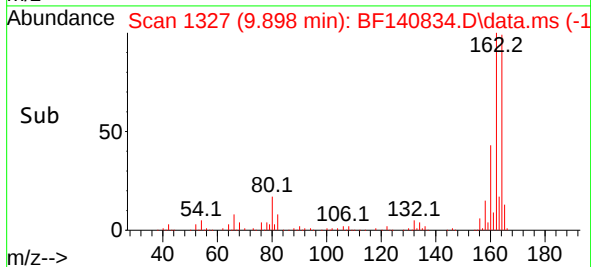
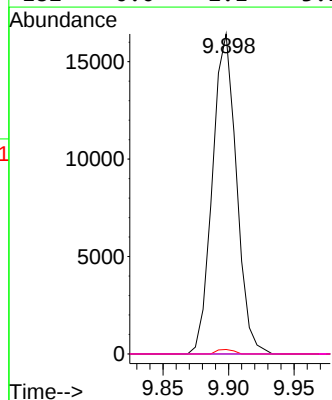
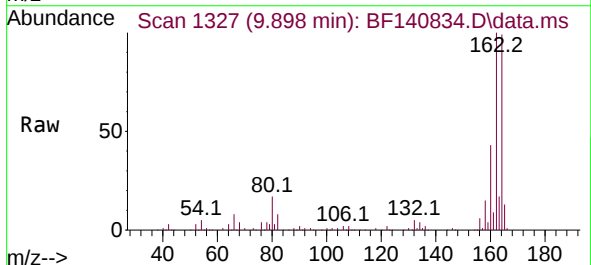
Instrument :  
BNA\_F  
ClientSampleId :  
BP-G-6

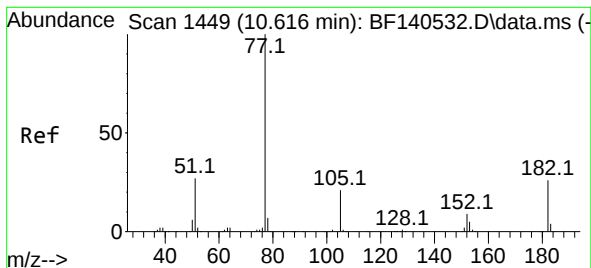
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Ion Ratio Lower Upper  
165 100  
63 0.0 49.9 74.9#  
89 1.4 50.9 76.3#



#57  
2,4-Dinitrotoluene  
Concen: 6.420 ng  
RT: 9.898 min Scan# 1327  
Delta R.T. -0.206 min  
Lab File: BF140834.D  
Acq: 11 Dec 2024 17:28

Tgt Ion:165 Resp: 20921  
Ion Ratio Lower Upper  
165 100  
63 0.0 41.7 62.5#  
89 1.4 65.8 98.8#  
182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 2.566 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF140834.D

Acq: 11 Dec 2024 17:28

Instrument :

BNA\_F

ClientSampleId :

BP-G-6

Tgt Ion: 77 Resp: 26693

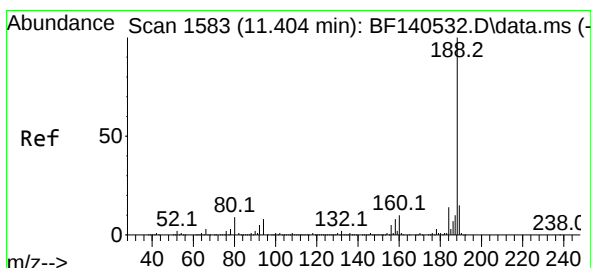
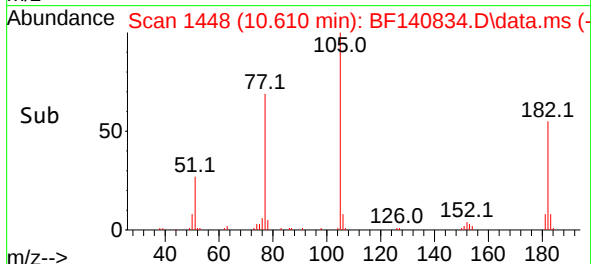
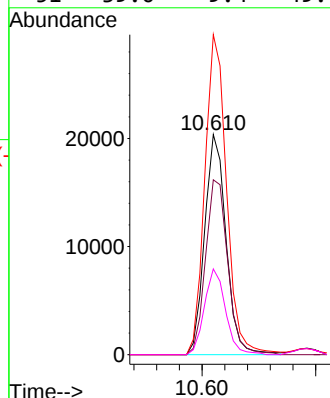
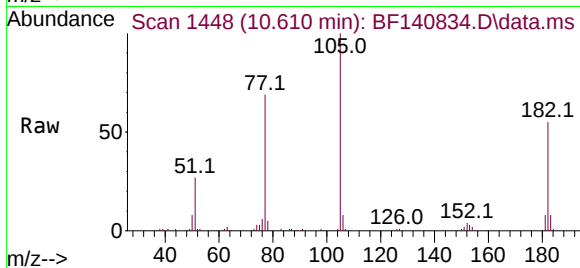
Ion Ratio Lower Upper

77 100

182 79.4 5.3 45.3#

105 145.3 0.3 40.3#

51 39.0 9.4 49.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF140834.D

Acq: 11 Dec 2024 17:28

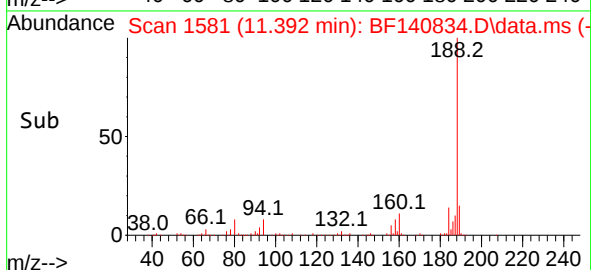
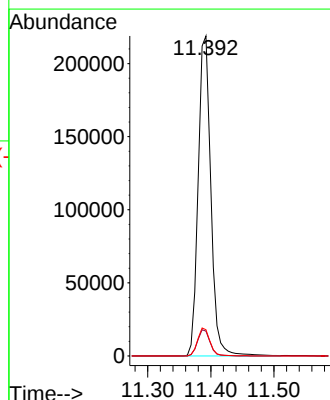
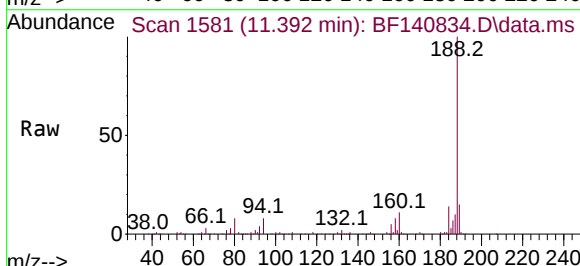
Tgt Ion: 188 Resp: 305051

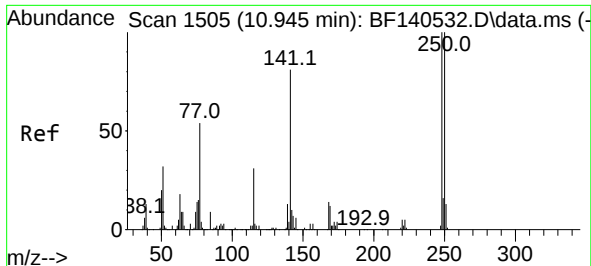
Ion Ratio Lower Upper

188 100

94 7.8 6.4 9.6

80 8.2 6.9 10.3

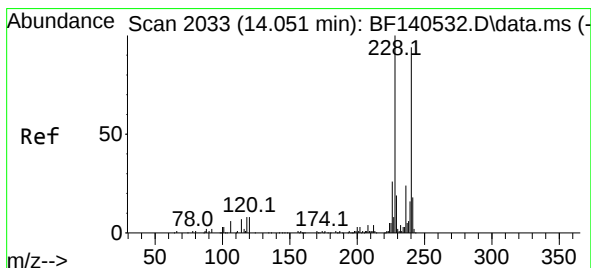
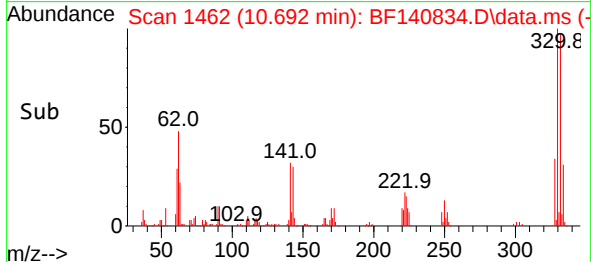
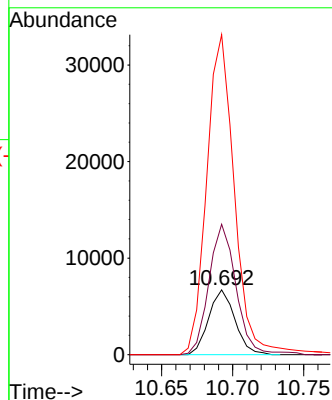
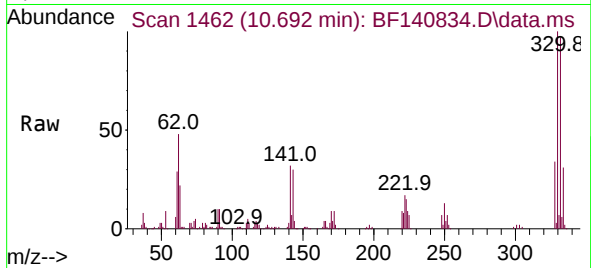




#67  
4-Bromophenyl-phenylether  
Concen: 2.750 ng  
RT: 10.692 min Scan# 14  
Delta R.T. -0.253 min  
Lab File: BF140834.D  
Acq: 11 Dec 2024 17:28

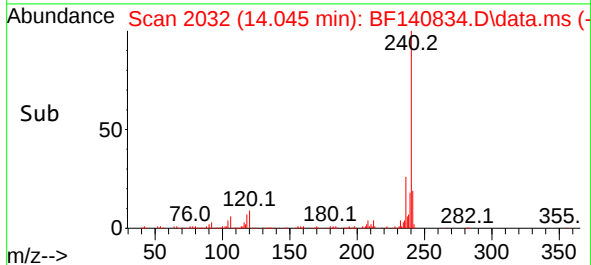
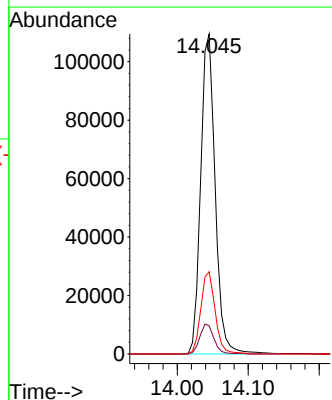
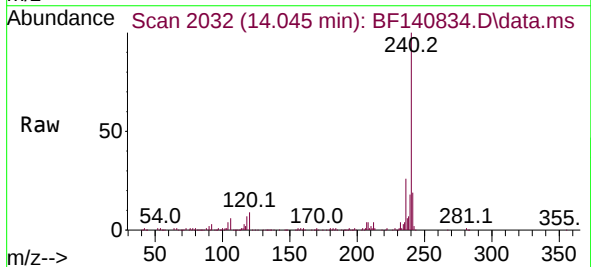
Instrument :  
BNA\_F  
ClientSampleId :  
BP-G-6

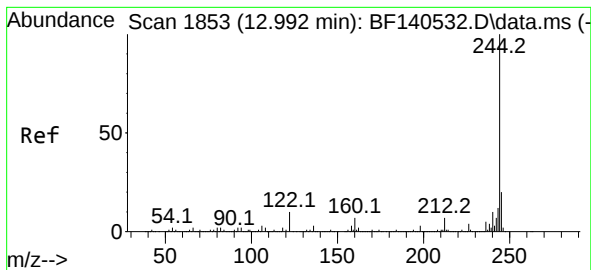
Tgt Ion:248 Resp: 8639  
Ion Ratio Lower Upper  
248 100  
250 201.1 79.8 119.8#  
141 493.3 64.7 97.1#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 2032  
Delta R.T. -0.006 min  
Lab File: BF140834.D  
Acq: 11 Dec 2024 17:28

Tgt Ion:240 Resp: 155712  
Ion Ratio Lower Upper  
240 100  
120 8.8 7.3 10.9  
236 25.7 20.6 31.0





#79

Terphenyl-d14

Concen: 60.073 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.018 min

Lab File: BF140834.D

Acq: 11 Dec 2024 17:28

Instrument :

BNA\_F

ClientSampleId :

BP-G-6

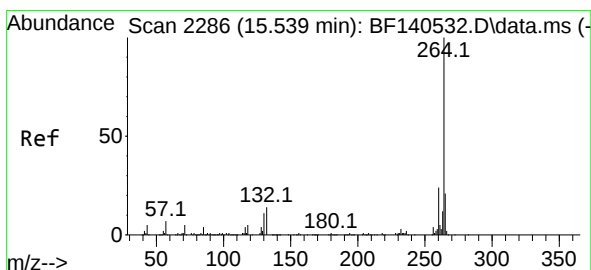
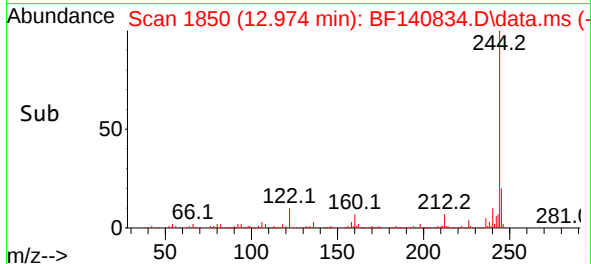
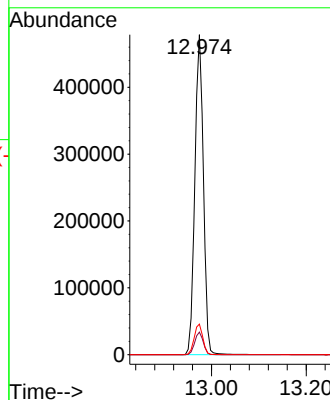
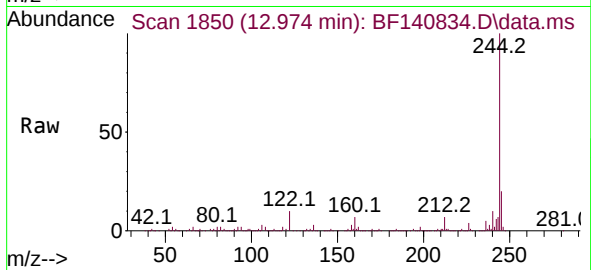
Tgt Ion:244 Resp: 600724

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

122 9.5 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: BF140834.D

Acq: 11 Dec 2024 17:28

Tgt Ion:264 Resp: 159671

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

265 21.6 16.6 25.0

