

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF111524\  
 Data File : BF140403.D  
 Acq On : 15 Nov 2024 15:02  
 Operator : RC/JU  
 Sample : P4807-08  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BF-F14

Quant Time: Nov 15 15:45:46 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

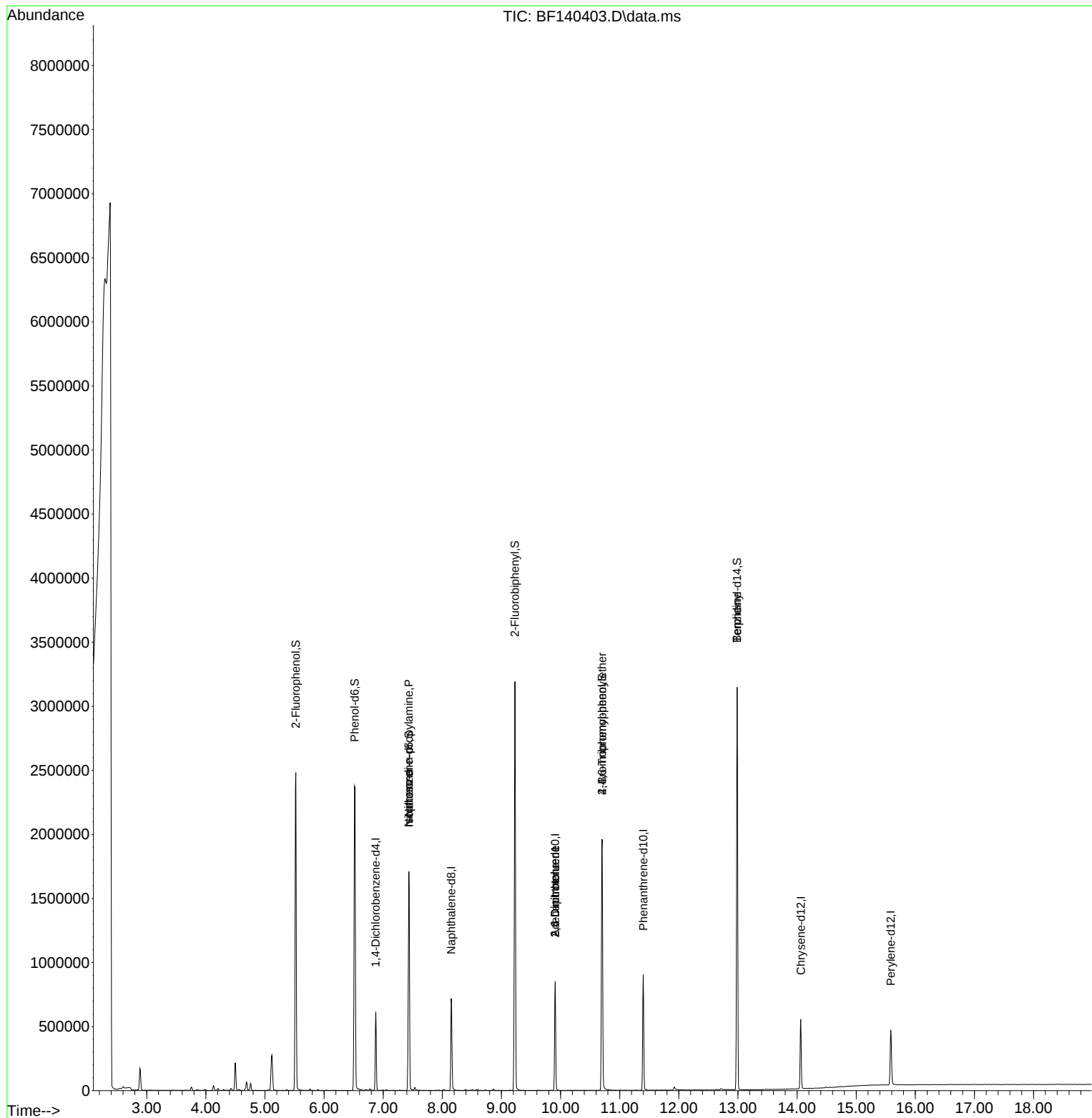
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 125900   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 470836   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 258852   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 480380   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.063 | 240  | 259670   | 20.000  | ng    | 0.01     |
| 86) Perylene-d12              | 15.586 | 264  | 259498   | 20.000  | ng    | 0.03     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.522  | 112  | 953260   | 129.276 | ng    | 0.03     |
| 7) Phenol-d6                  | 6.516  | 99   | 1215201  | 121.637 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 821814   | 90.942  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 351564   | 136.578 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.228  | 172  | 1434627  | 89.095  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 1524054  | 101.877 | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.434  | 70   | 111552   | 18.488  | ng    | # 78     |
| 25) Isophorone                | 7.434  | 82   | 813865   | 50.817  | ng    | # 67     |
| 51) 2,6-Dinitrotoluene        | 9.910  | 165  | 33185    | 8.627   | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.910  | 165  | 33185    | 6.555   | ng    | # 20     |
| 67) 4-Bromophenyl-phenylether | 10.704 | 248  | 22366    | 4.658   | ng    | # 1      |
| 77) Benzidine                 | 12.986 | 184  | 21503    | 2.158   | ng    | # 93     |
| -----                         |        |      |          |         |       |          |

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

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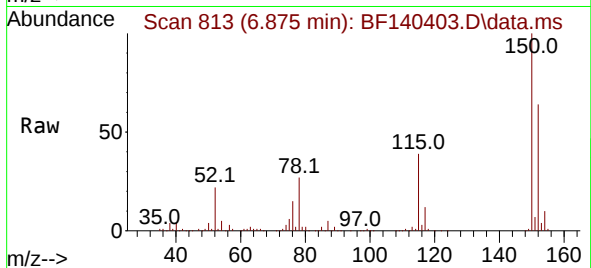
Quant Time: Nov 15 15:45:46 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF111324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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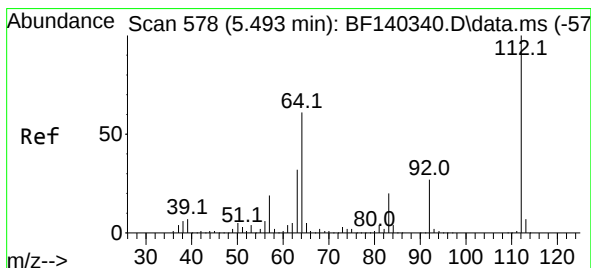
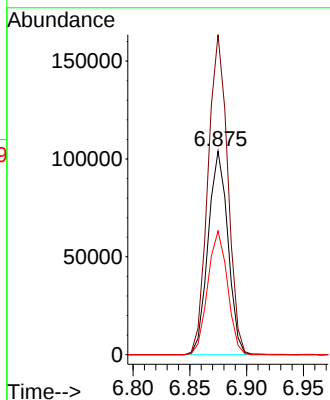
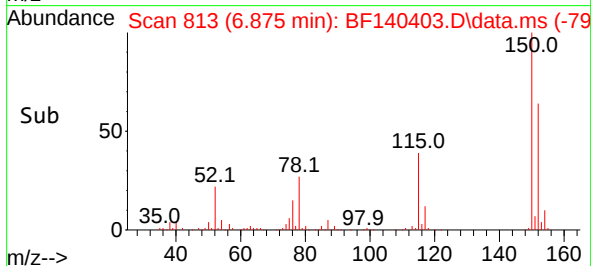


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 813  
Delta R.T. -0.006 min  
Lab File: BF140403.D  
Acq: 15 Nov 2024 15:02

Instrument :  
BNA\_F  
ClientSampleId :  
BF-F14

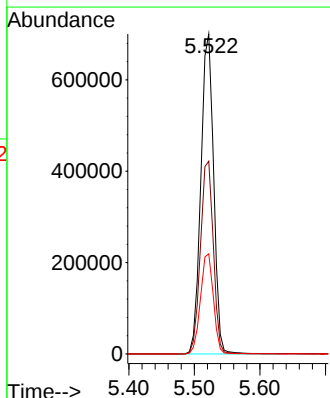
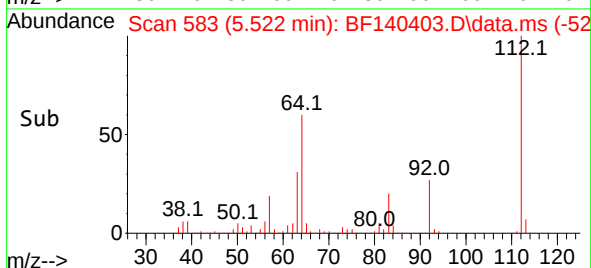
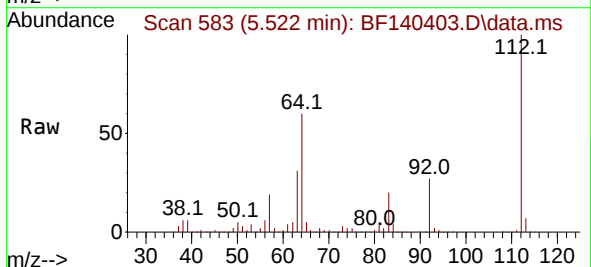


Tgt Ion:152 Resp: 125900  
Ion Ratio Lower Upper  
152 100  
150 157.2 127.4 191.0  
115 60.8 47.4 71.2



#5  
2-Fluorophenol  
Concen: 129.276 ng  
RT: 5.522 min Scan# 583  
Delta R.T. 0.029 min  
Lab File: BF140403.D  
Acq: 15 Nov 2024 15:02

Tgt Ion:112 Resp: 953260  
Ion Ratio Lower Upper  
112 100  
64 60.2 49.2 73.8  
63 31.3 25.6 38.4

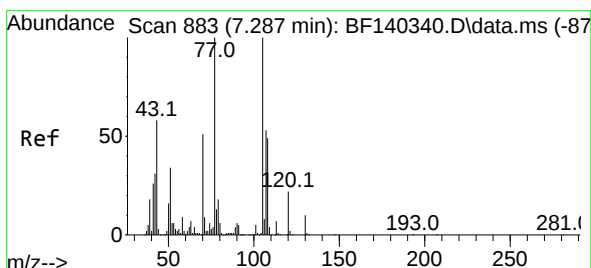
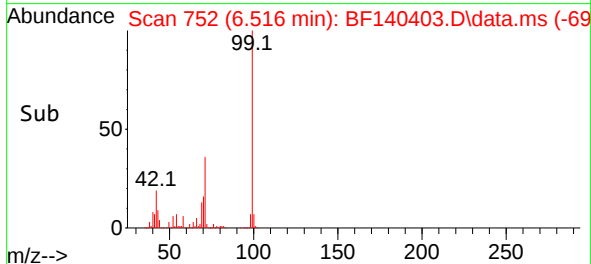
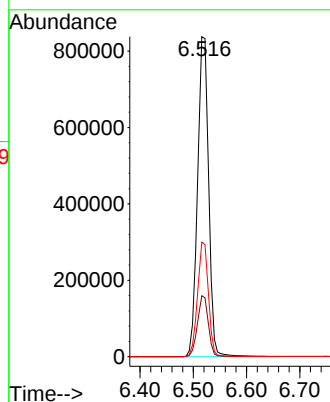
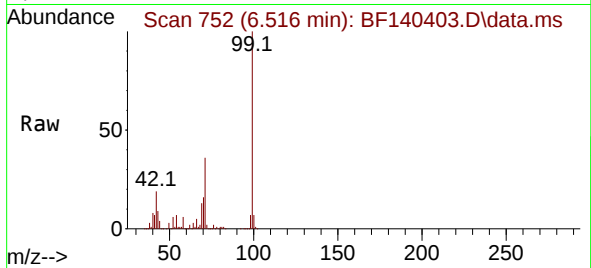




#7  
Phenol-d6  
Concen: 121.637 ng  
RT: 6.516 min Scan# 71  
Delta R.T. 0.012 min  
Lab File: BF140403.D  
Acq: 15 Nov 2024 15:02

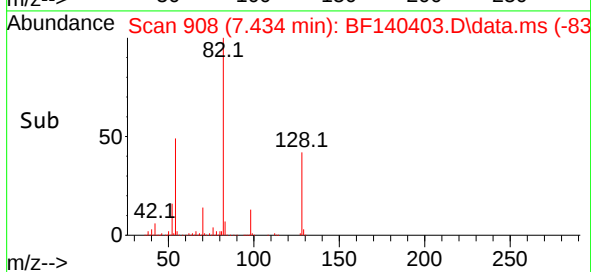
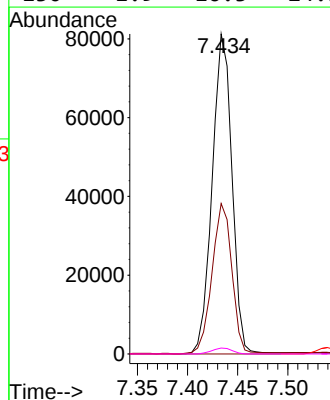
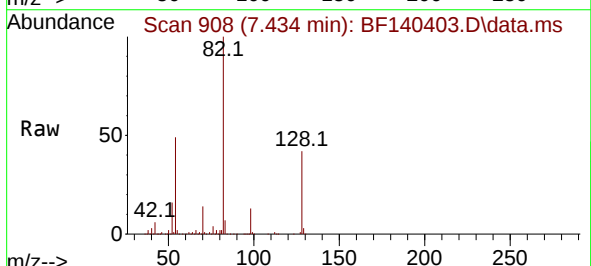
Instrument :  
BNA\_F  
ClientSampleId :  
BF-F14

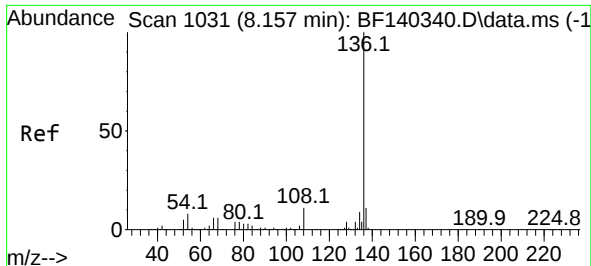
Tgt Ion: 99 Resp: 1215201  
Ion Ratio Lower Upper  
99 100  
42 19.0 15.1 22.7  
71 35.8 27.9 41.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.488 ng  
RT: 7.434 min Scan# 908  
Delta R.T. 0.141 min  
Lab File: BF140403.D  
Acq: 15 Nov 2024 15:02

Tgt Ion: 70 Resp: 111552  
Ion Ratio Lower Upper  
70 100  
42 47.0 46.8 70.2  
101 0.0 7.5 11.3#  
130 1.9 16.3 24.5#

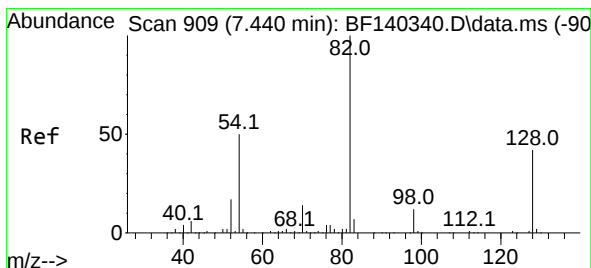
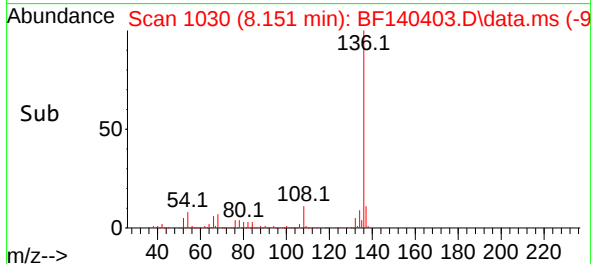
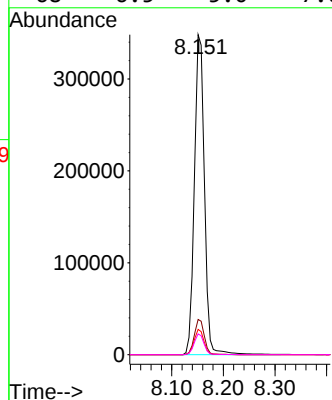
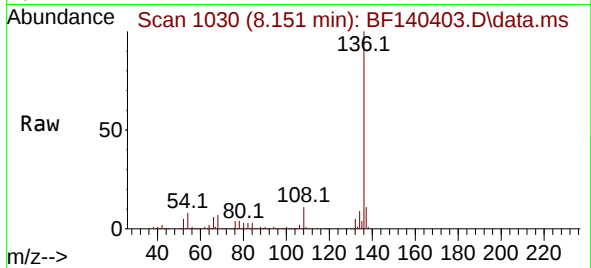




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF140403.D  
Acq: 15 Nov 2024 15:02

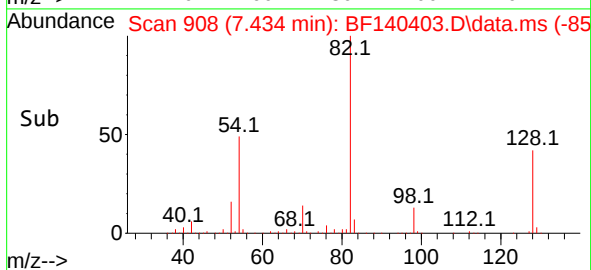
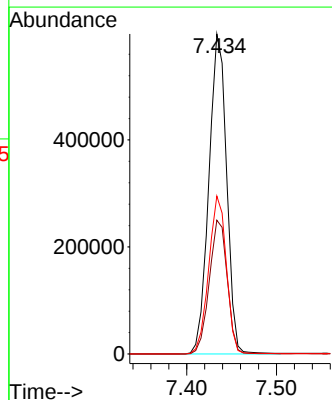
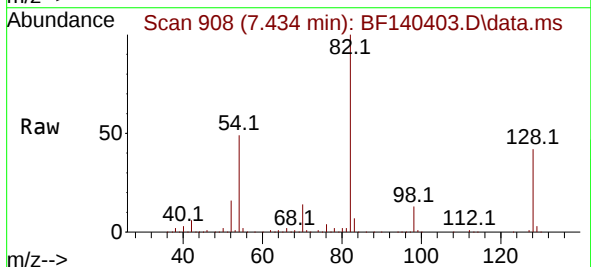
Instrument :  
BNA\_F  
ClientSampleId :  
BF-F14

Tgt Ion:136 Resp: 470836  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.7 13.1  
54 7.9 6.5 9.7  
68 6.5 5.0 7.6



#23  
Nitrobenzene-d5  
Concen: 90.942 ng  
RT: 7.434 min Scan# 908  
Delta R.T. -0.006 min  
Lab File: BF140403.D  
Acq: 15 Nov 2024 15:02

Tgt Ion: 82 Resp: 821814  
Ion Ratio Lower Upper  
82 100  
128 41.8 33.3 49.9  
54 49.4 39.8 59.8

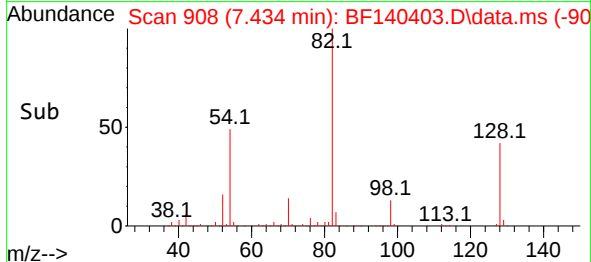
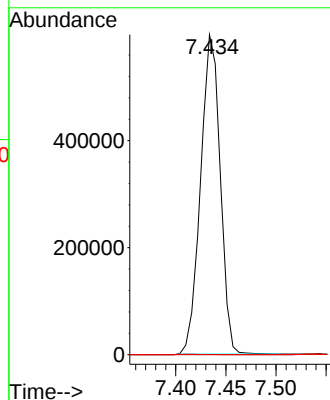
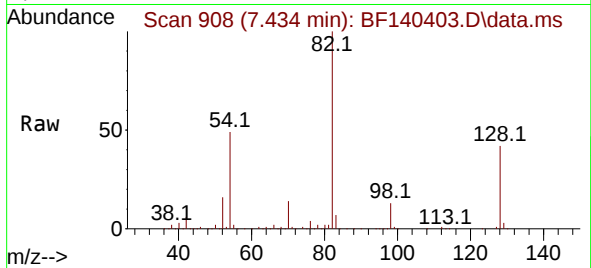




#25  
Isophorone  
Concen: 50.817 ng  
RT: 7.434 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF140403.D  
Acq: 15 Nov 2024 15:02

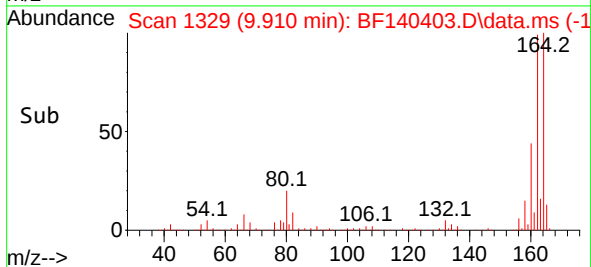
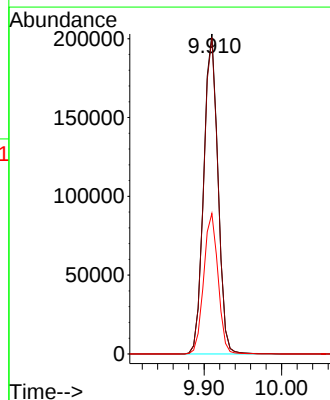
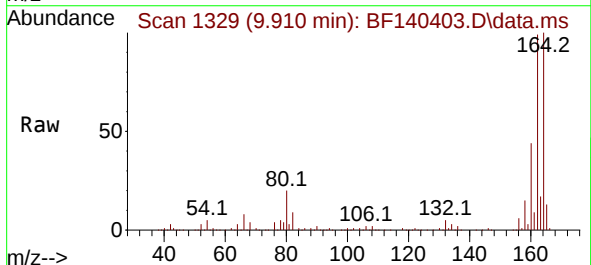
Instrument :  
BNA\_F  
ClientSampleId :  
BF-F14

Tgt Ion: 82 Resp: 813865  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 13.4 20.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.910 min Scan# 1329  
Delta R.T. -0.006 min  
Lab File: BF140403.D  
Acq: 15 Nov 2024 15:02

Tgt Ion:164 Resp: 258852  
Ion Ratio Lower Upper  
164 100  
162 98.9 79.8 119.8  
160 43.9 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 136.578 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.000 min

Lab File: BF140403.D

Acq: 15 Nov 2024 15:02

Instrument :

BNA\_F

ClientSampleId :

BF-F14

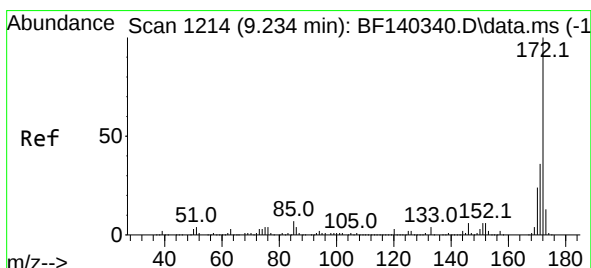
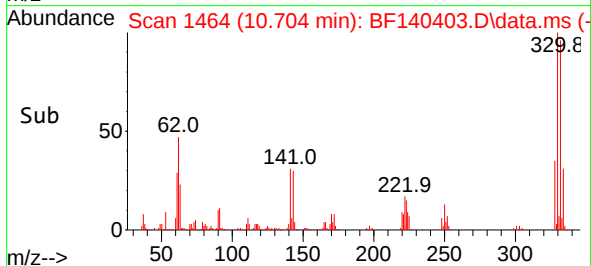
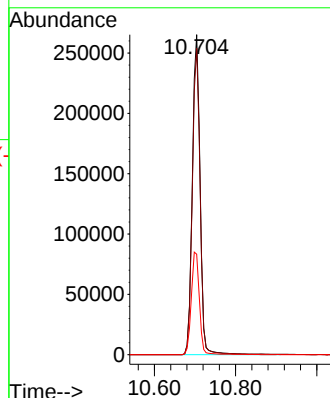
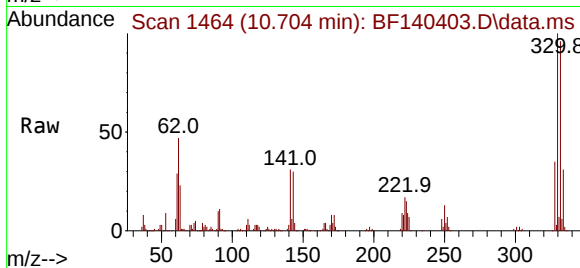
Tgt Ion:330 Resp: 351564

Ion Ratio Lower Upper

330 100

332 95.8 75.9 113.9

141 33.4 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 89.095 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140403.D

Acq: 15 Nov 2024 15:02

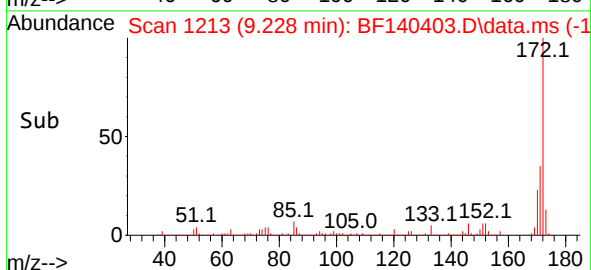
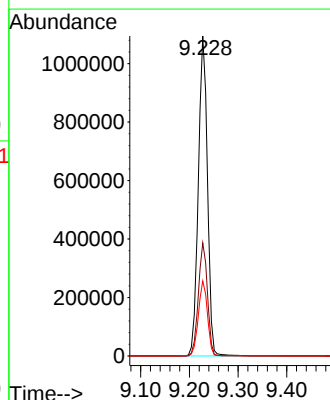
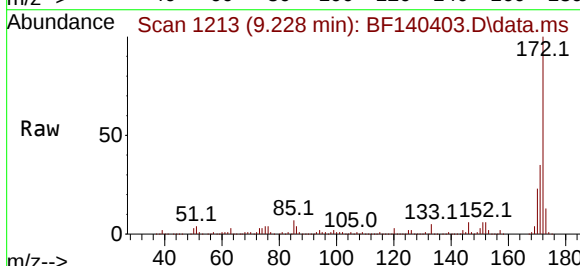
Tgt Ion:172 Resp: 1434627

Ion Ratio Lower Upper

172 100

171 35.3 28.5 42.7

170 23.4 19.1 28.7

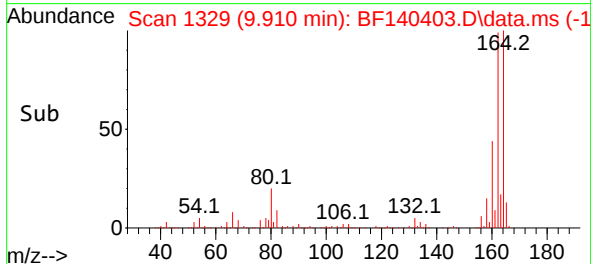
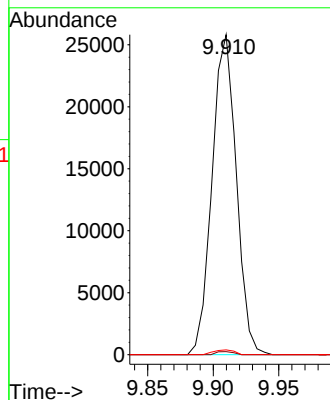
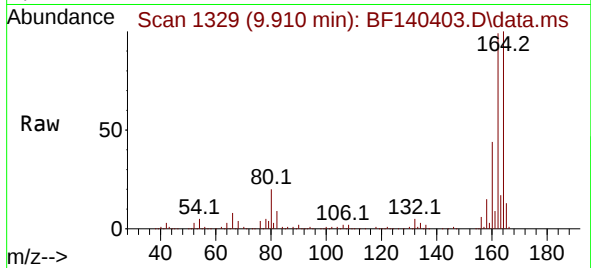




#51  
2,6-Dinitrotoluene  
Concen: 8.627 ng  
RT: 9.910 min Scan# 11  
Delta R.T. 0.212 min  
Lab File: BF140403.D  
Acq: 15 Nov 2024 15:02

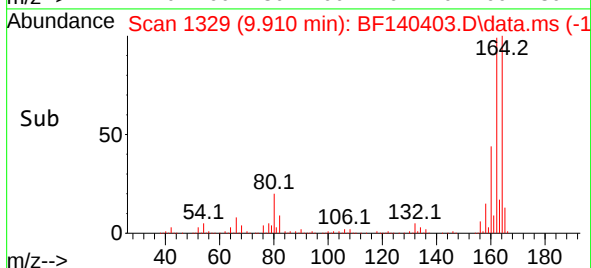
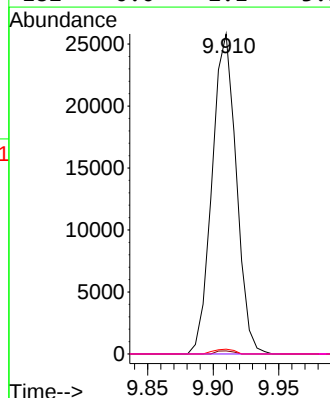
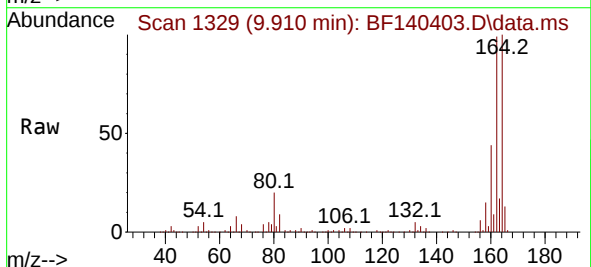
Instrument :  
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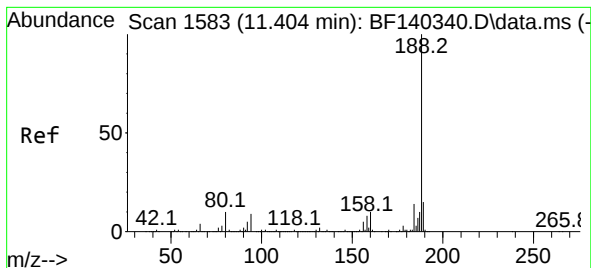
Tgt Ion:165 Resp: 33185  
Ion Ratio Lower Upper  
165 100  
63 1.0 47.6 71.4#  
89 1.5 48.1 72.1#



#57  
2,4-Dinitrotoluene  
Concen: 6.555 ng  
RT: 9.910 min Scan# 1329  
Delta R.T. -0.194 min  
Lab File: BF140403.D  
Acq: 15 Nov 2024 15:02

Tgt Ion:165 Resp: 33185  
Ion Ratio Lower Upper  
165 100  
63 1.0 39.4 59.0#  
89 1.5 62.4 93.6#  
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: BF140403.D

Acq: 15 Nov 2024 15:02

Instrument :

BNA\_F

ClientSampleId :

BF-F14

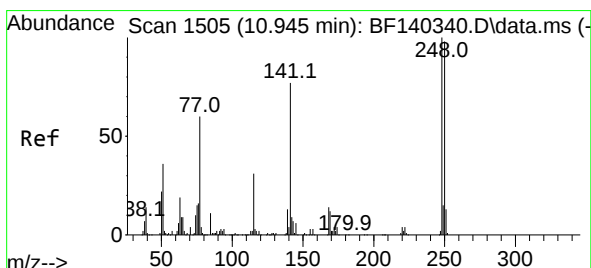
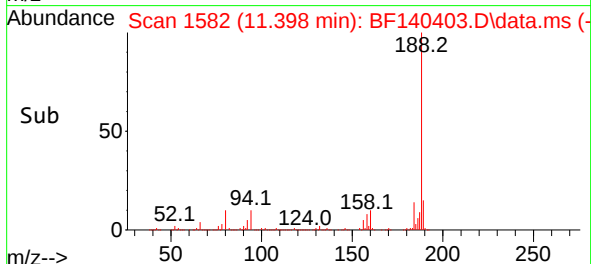
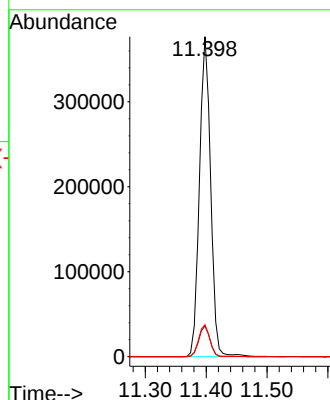
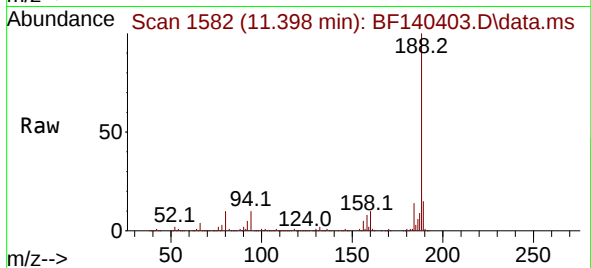
Tgt Ion:188 Resp: 480380

Ion Ratio Lower Upper

188 100

94 9.6 7.6 11.4

80 10.0 8.0 12.0



#67

4-Bromophenyl-phenylether

Concen: 4.658 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.241 min

Lab File: BF140403.D

Acq: 15 Nov 2024 15:02

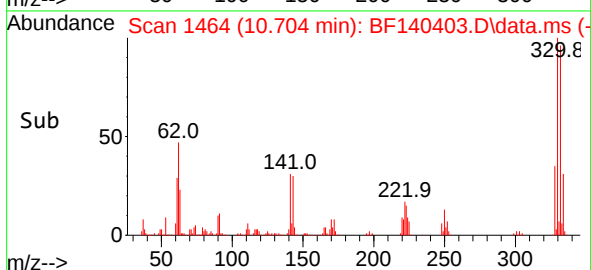
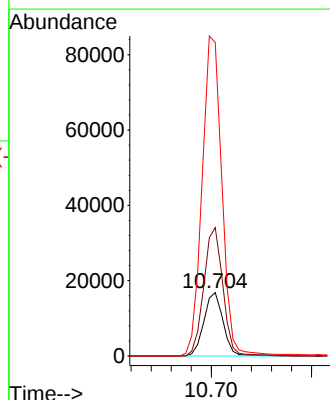
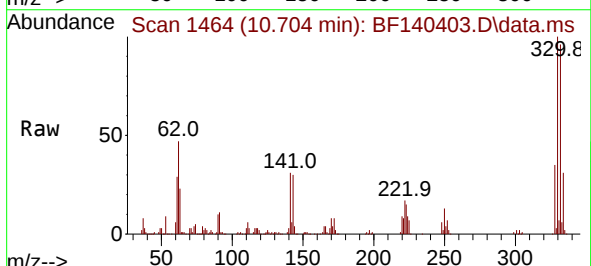
Tgt Ion:248 Resp: 22366

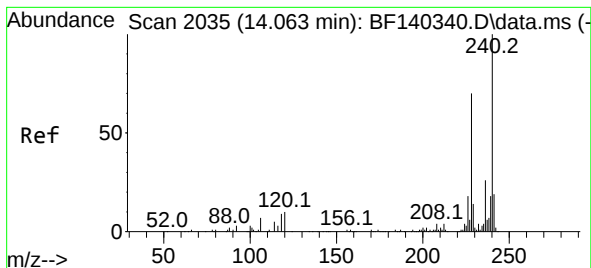
Ion Ratio Lower Upper

248 100

250 202.6 77.9 116.9#

141 494.8 61.8 92.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2035

Delta R.T. 0.012 min

Lab File: BF140403.D

Acq: 15 Nov 2024 15:02

Instrument :

BNA\_F

ClientSampleId :

BF-F14

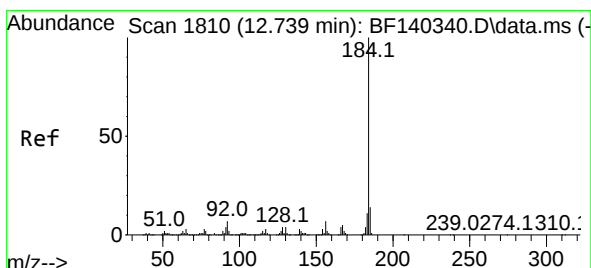
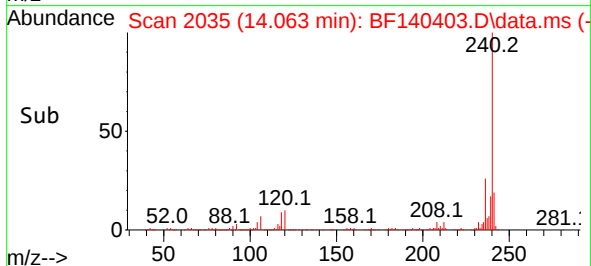
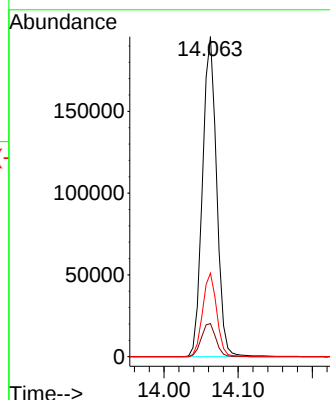
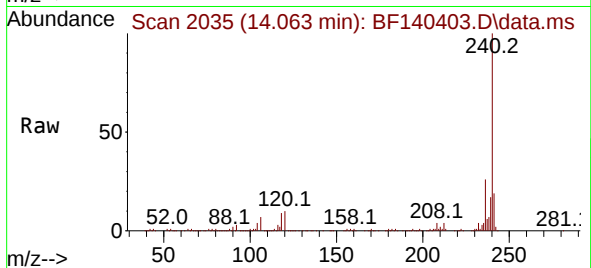
Tgt Ion:240 Resp: 259670

Ion Ratio Lower Upper

240 100

120 10.3 8.8 13.2

236 26.1 20.9 31.3



#77

Benzidine

Concen: 2.158 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.253 min

Lab File: BF140403.D

Acq: 15 Nov 2024 15:02

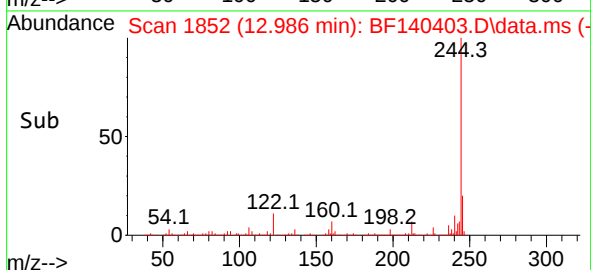
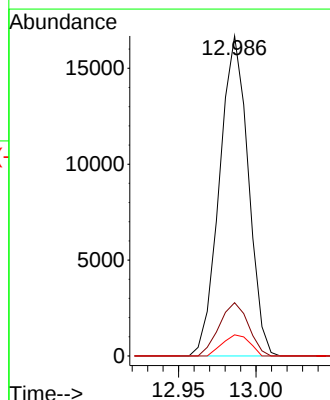
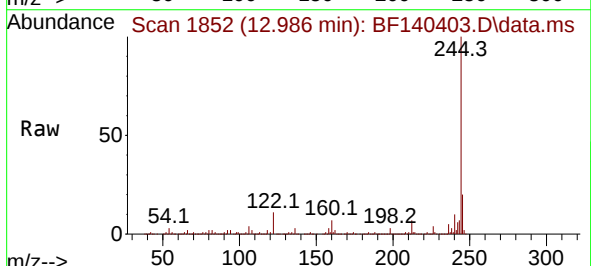
Tgt Ion:184 Resp: 21503

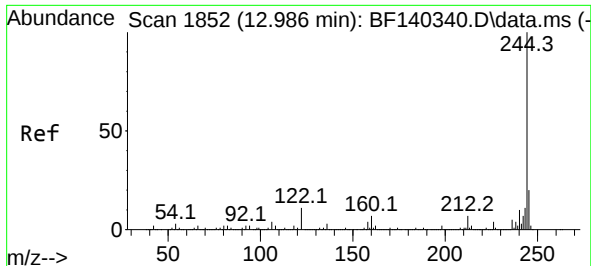
Ion Ratio Lower Upper

184 100

185 16.7 11.9 17.9

183 6.6 8.6 13.0#

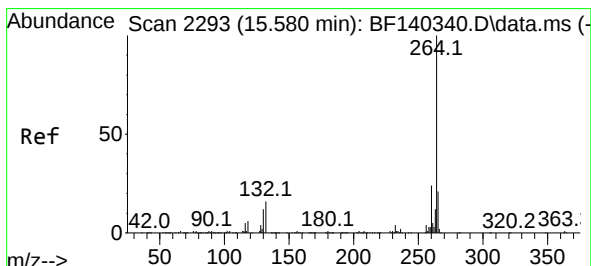
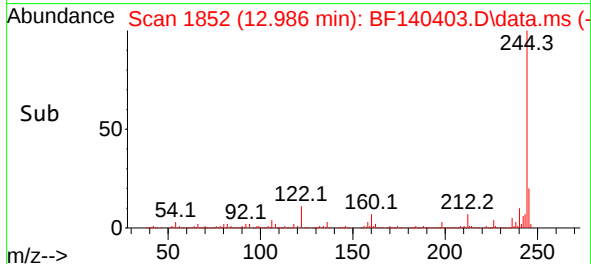
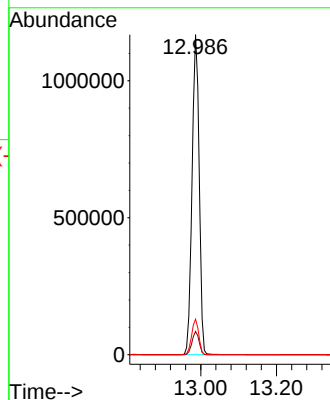
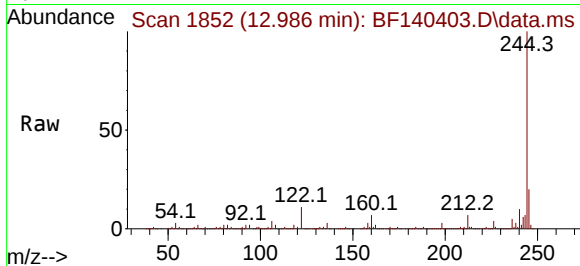




#79  
 Terphenyl-d14  
 Concen: 101.877 ng  
 RT: 12.986 min Scan# 1852  
 Delta R.T. -0.000 min  
 Lab File: BF140403.D  
 Acq: 15 Nov 2024 15:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BF-F14

Tgt Ion:244 Resp: 1524054  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.8 8.8  
 122 11.1 8.8 13.2



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.586 min Scan# 2294  
 Delta R.T. 0.029 min  
 Lab File: BF140403.D  
 Acq: 15 Nov 2024 15:02

Tgt Ion:264 Resp: 259498  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 19.2 28.8  
 265 21.1 17.1 25.7

