

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF111524\  
 Data File : BF140408.D  
 Acq On : 15 Nov 2024 17:13  
 Operator : RC/JU  
 Sample : P4807-09  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BF-F13

Quant Time: Nov 15 18:01:06 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

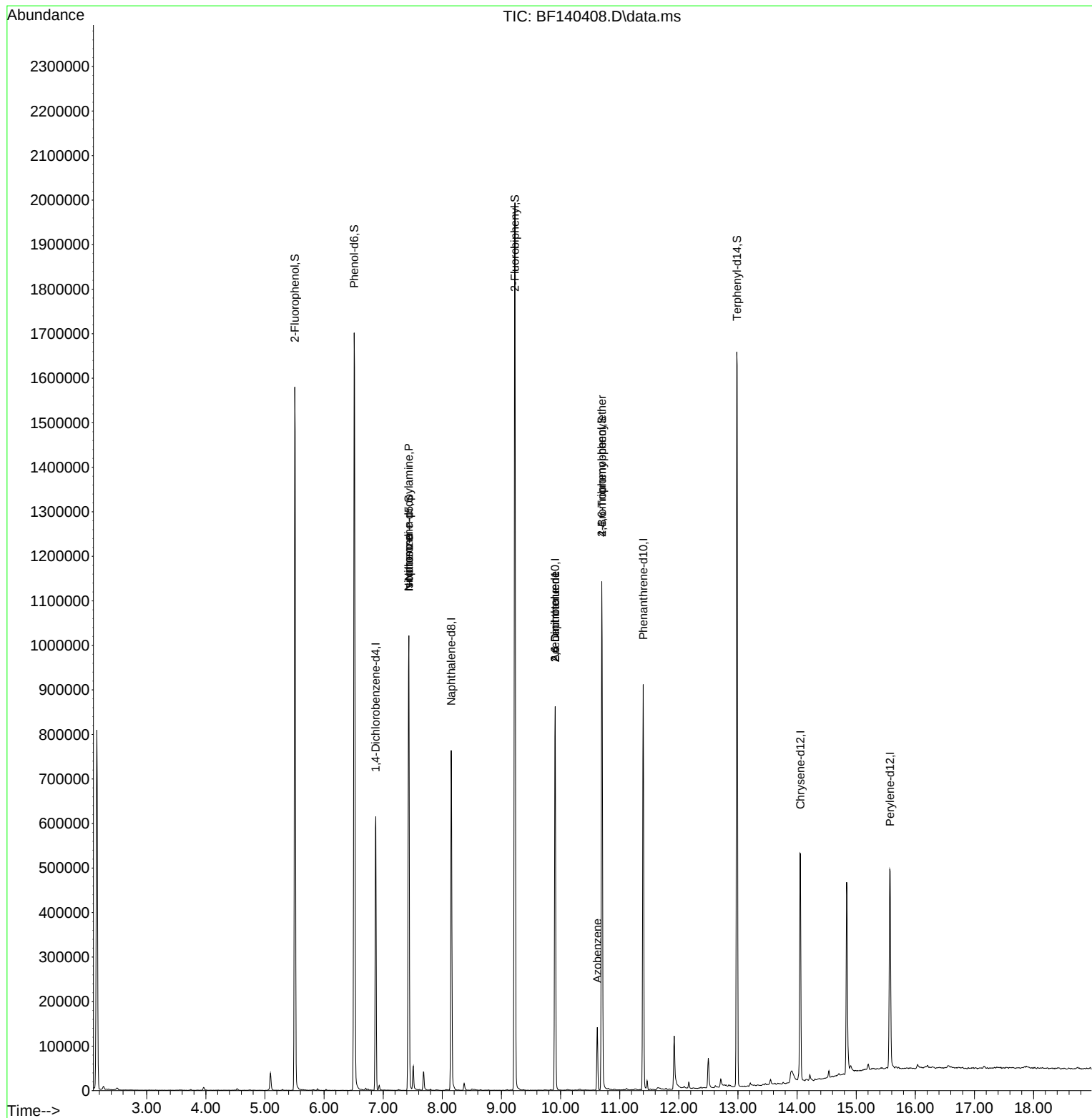
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 132804   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 491622   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 262899   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 482531   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.057 | 240  | 256405   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.574 | 264  | 276829   | 20.000 | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 592833   | 76.217 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.510  | 99   | 824184   | 78.209 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 472284   | 50.053 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.698 | 330  | 192965   | 73.811 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.228  | 172  | 906971   | 55.458 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 824456   | 55.813 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.434  | 70   | 63703    | 10.009 | ng    | # 76     |
| 25) Isophorone                | 7.434  | 82   | 465086   | 27.812 | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.910  | 165  | 33689    | 8.624  | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.910  | 165  | 33689    | 6.552  | ng    | # 20     |
| 63) Azobenzene                | 10.622 | 77   | 36530    | 2.110  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.698 | 248  | 12295    | 2.549  | ng    | # 1      |
| -----                         |        |      |          |        |       |          |

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

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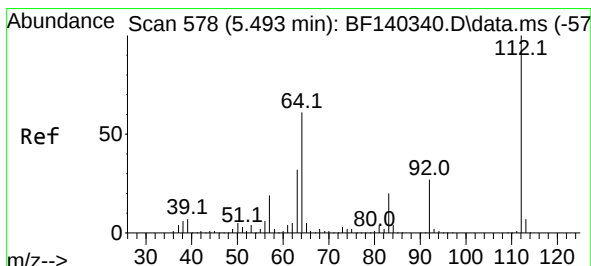
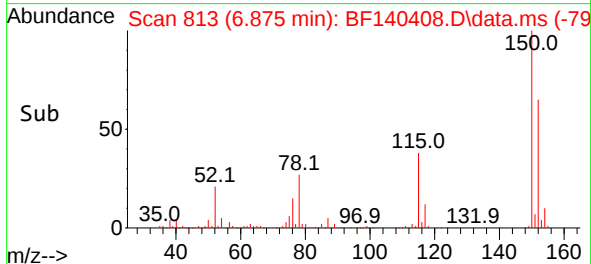
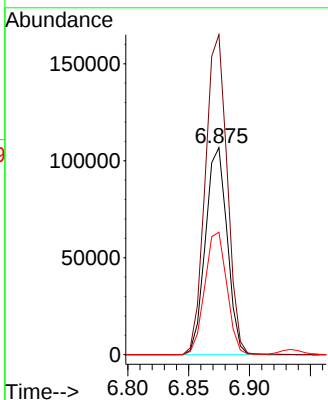
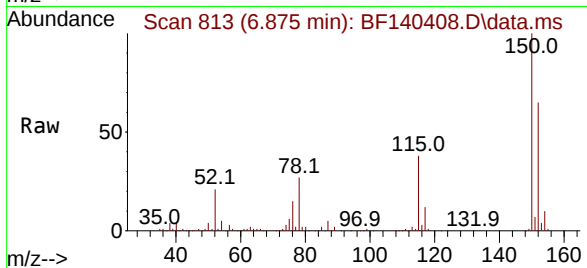




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF140408.D  
Acq: 15 Nov 2024 17:13

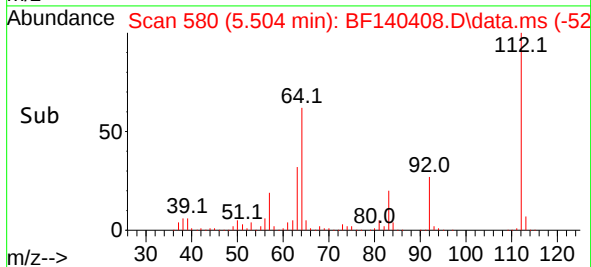
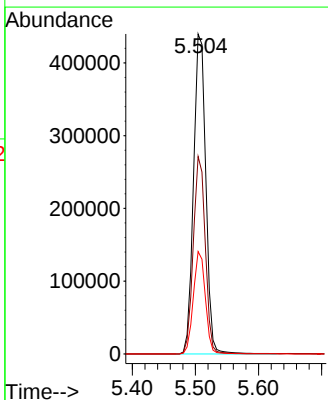
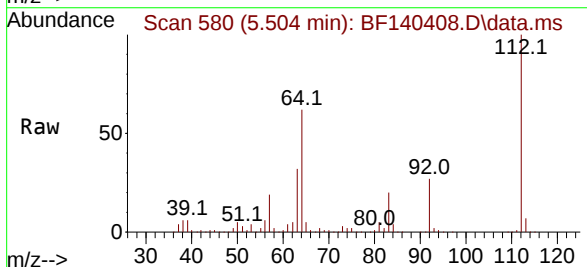
Instrument :  
BNA\_F  
ClientSampleId :  
BF-F13

Tgt Ion:152 Resp: 132804  
Ion Ratio Lower Upper  
152 100  
150 154.5 127.4 191.0  
115 59.2 47.4 71.2



#5  
2-Fluorophenol  
Concen: 76.217 ng  
RT: 5.504 min Scan# 580  
Delta R.T. 0.012 min  
Lab File: BF140408.D  
Acq: 15 Nov 2024 17:13

Tgt Ion:112 Resp: 592833  
Ion Ratio Lower Upper  
112 100  
64 61.7 49.2 73.8  
63 32.0 25.6 38.4

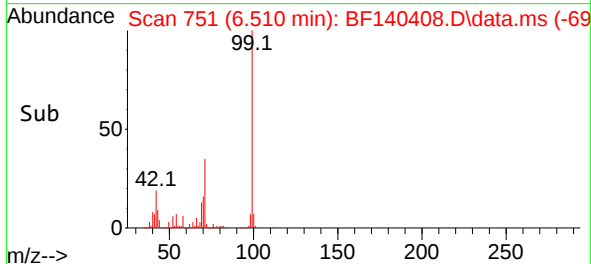
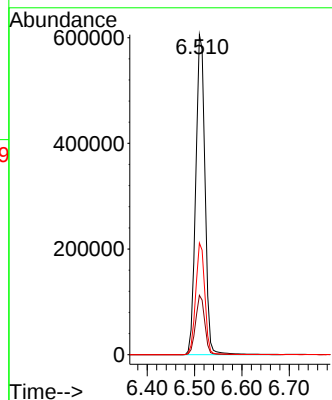
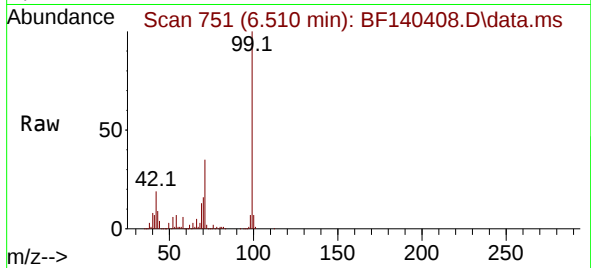




#7  
Phenol-d6  
Concen: 78.209 ng  
RT: 6.510 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: BF140408.D  
Acq: 15 Nov 2024 17:13

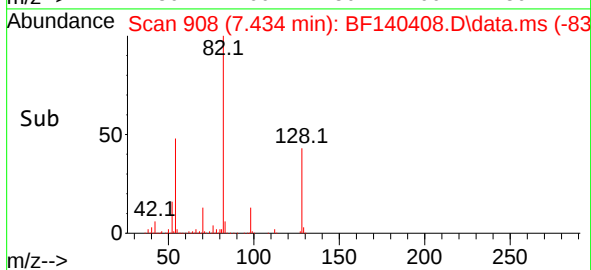
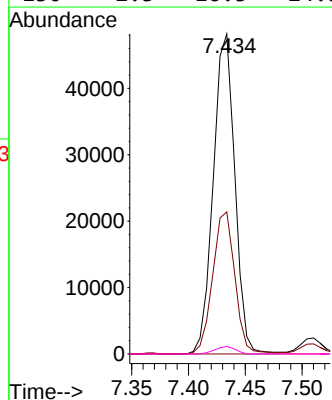
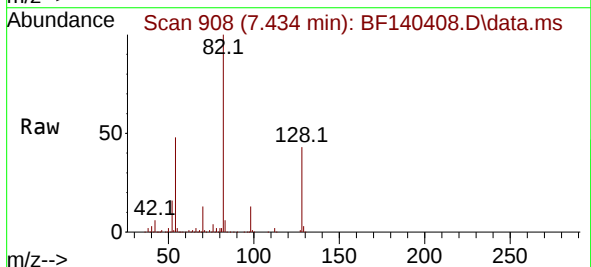
Instrument :  
BNA\_F  
ClientSampleId :  
BF-F13

Tgt Ion: 99 Resp: 824184  
Ion Ratio Lower Upper  
99 100  
42 18.5 15.1 22.7  
71 34.9 27.9 41.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 10.009 ng  
RT: 7.434 min Scan# 908  
Delta R.T. 0.141 min  
Lab File: BF140408.D  
Acq: 15 Nov 2024 17:13

Tgt Ion: 70 Resp: 63703  
Ion Ratio Lower Upper  
70 100  
42 44.4 46.8 70.2#  
101 0.0 7.5 11.3#  
130 2.3 16.3 24.5#



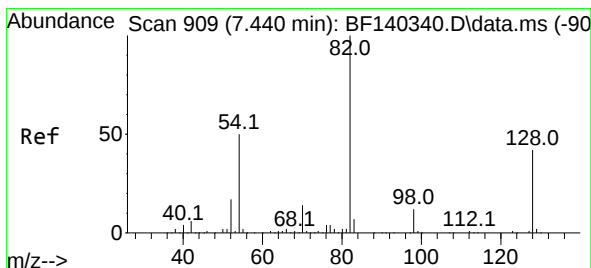
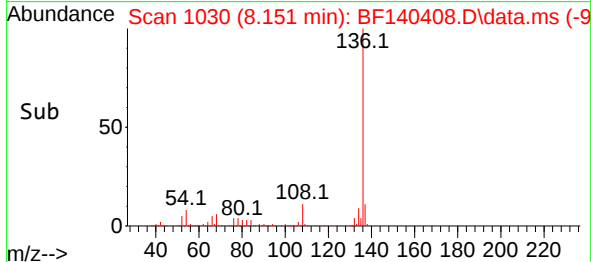
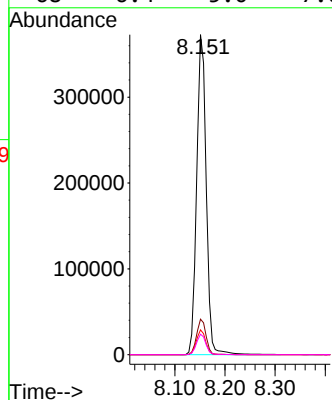
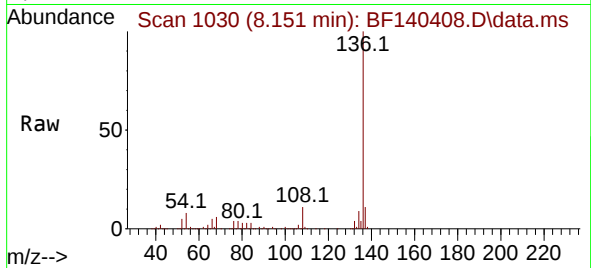


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF140408.D  
Acq: 15 Nov 2024 17:13

Instrument :  
BNA\_F  
ClientSampleId :  
BF-F13

Tgt Ion:136 Resp: 491622

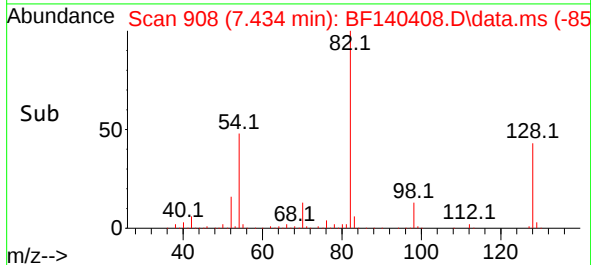
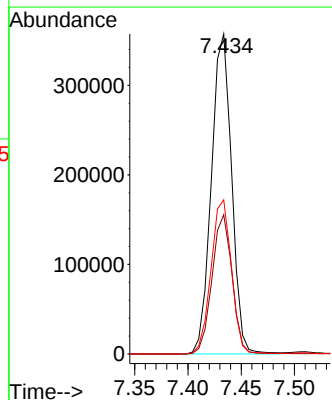
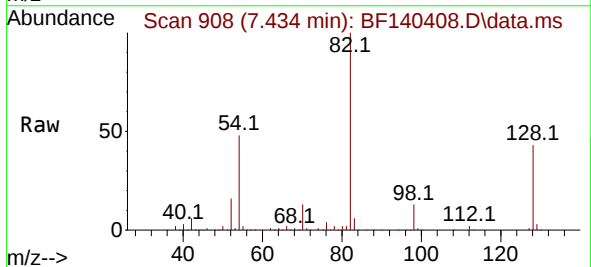
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.7   | 13.1  |
| 54  | 7.7   | 6.5   | 9.7   |
| 68  | 6.4   | 5.0   | 7.6   |



#23  
Nitrobenzene-d5  
Concen: 50.053 ng  
RT: 7.434 min Scan# 908  
Delta R.T. -0.006 min  
Lab File: BF140408.D  
Acq: 15 Nov 2024 17:13

Tgt Ion: 82 Resp: 472284

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 43.5  | 33.3  | 49.9  |
| 54  | 48.2  | 39.8  | 59.8  |

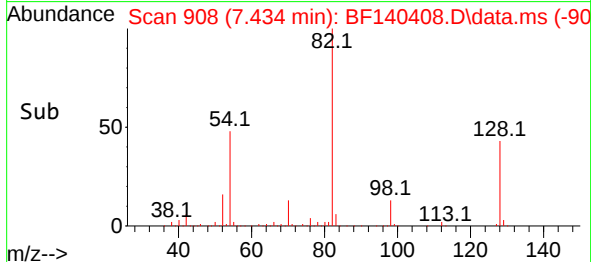
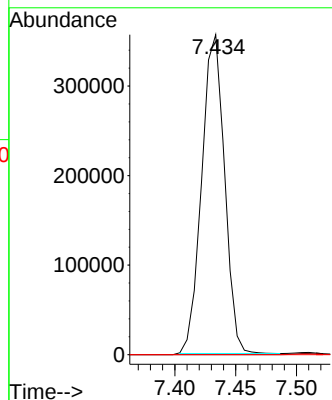
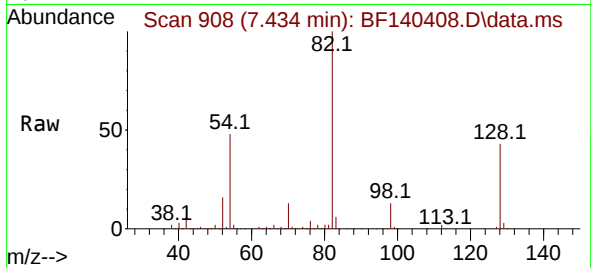




#25  
Isophorone  
Concen: 27.812 ng  
RT: 7.434 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF140408.D  
Acq: 15 Nov 2024 17:13

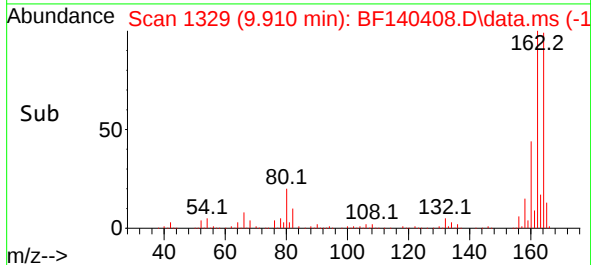
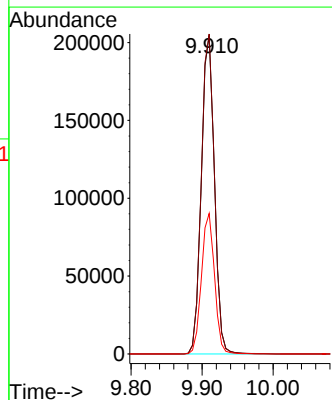
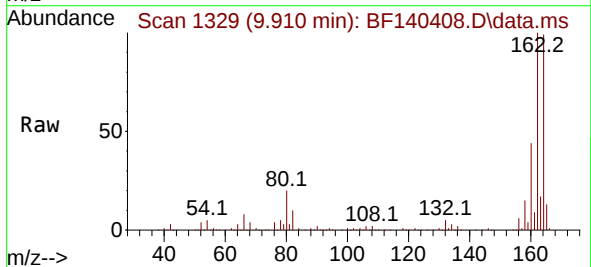
Instrument :  
BNA\_F  
ClientSampleId :  
BF-F13

Tgt Ion: 82 Resp: 465086  
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: BF140408.D  
Acq: 15 Nov 2024 17:13

Tgt Ion:164 Resp: 262899  
Ion Ratio Lower Upper  
164 100  
162 100.6 79.8 119.8  
160 44.1 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 73.811 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140408.D

Acq: 15 Nov 2024 17:13

Instrument :

BNA\_F

ClientSampleId :

BF-F13

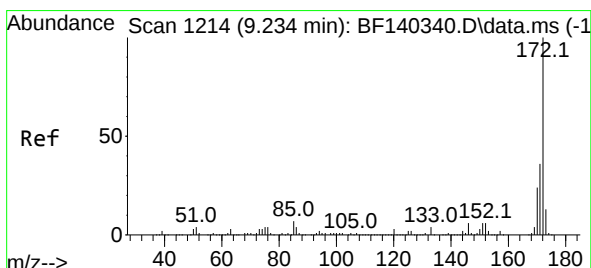
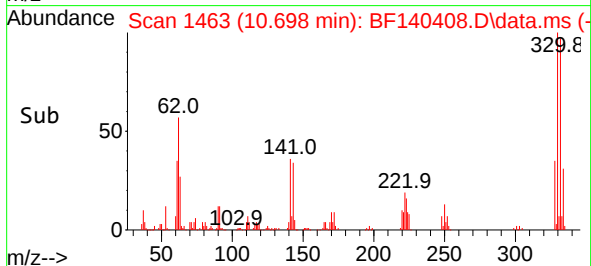
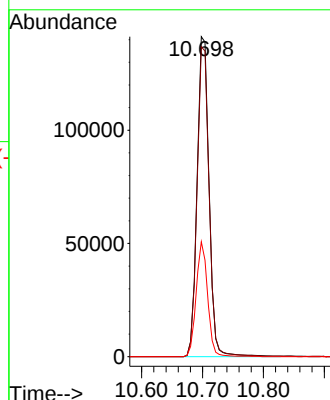
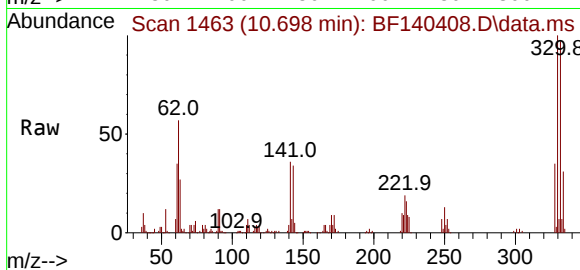
Tgt Ion:330 Resp: 192965

Ion Ratio Lower Upper

330 100

332 97.1 75.9 113.9

141 34.5 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 55.458 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140408.D

Acq: 15 Nov 2024 17:13

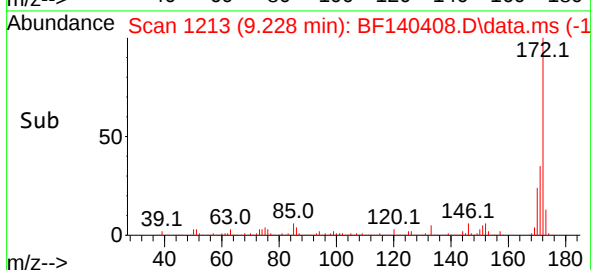
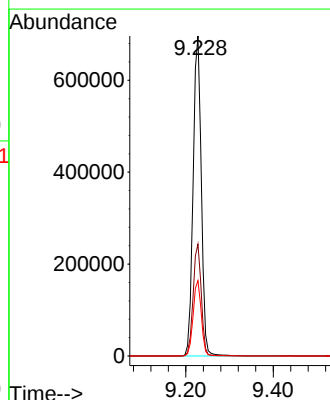
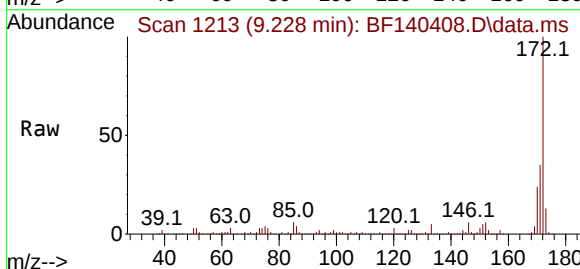
Tgt Ion:172 Resp: 906971

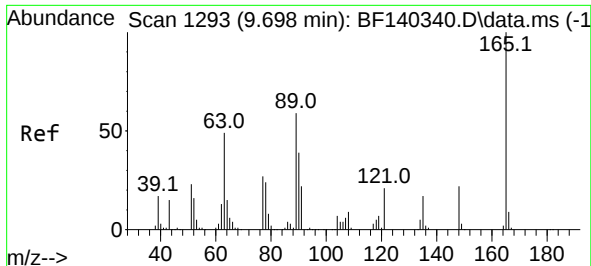
Ion Ratio Lower Upper

172 100

171 34.9 28.5 42.7

170 23.6 19.1 28.7

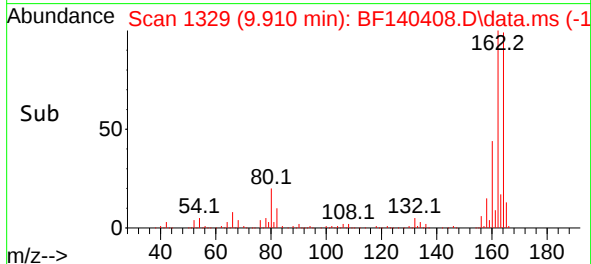
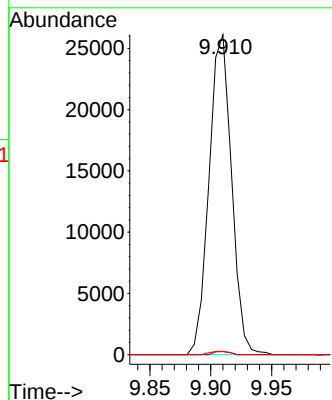
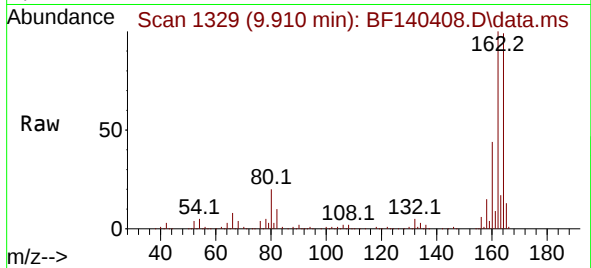




#51  
2,6-Dinitrotoluene  
Concen: 8.624 ng  
RT: 9.910 min Scan# 11  
Delta R.T. 0.212 min  
Lab File: BF140408.D  
Acq: 15 Nov 2024 17:13

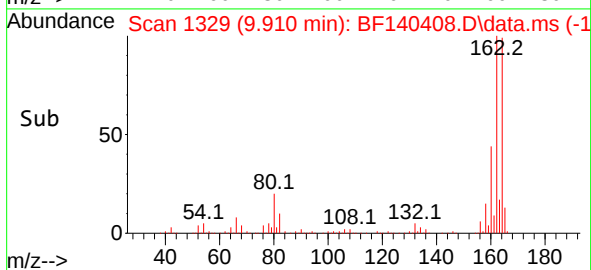
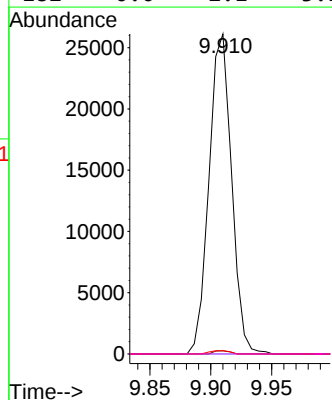
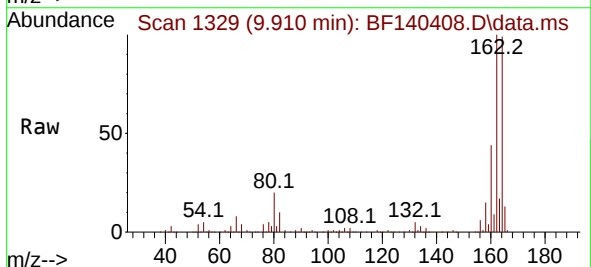
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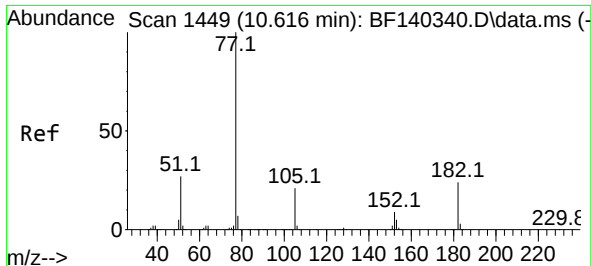
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Ion Ratio Lower Upper  
165 100  
63 1.0 47.6 71.4#  
89 1.1 48.1 72.1#



#57  
2,4-Dinitrotoluene  
Concen: 6.552 ng  
RT: 9.910 min Scan# 1329  
Delta R.T. -0.194 min  
Lab File: BF140408.D  
Acq: 15 Nov 2024 17:13

Tgt Ion:165 Resp: 33689  
Ion Ratio Lower Upper  
165 100  
63 1.0 39.4 59.0#  
89 1.1 62.4 93.6#  
182 0.0 2.1 3.1#

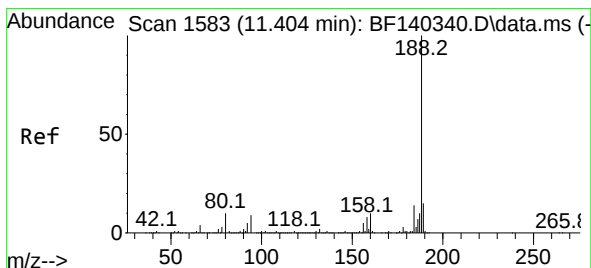
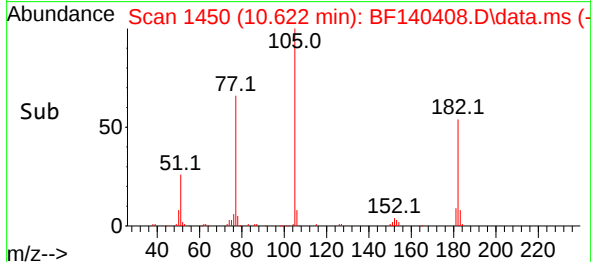
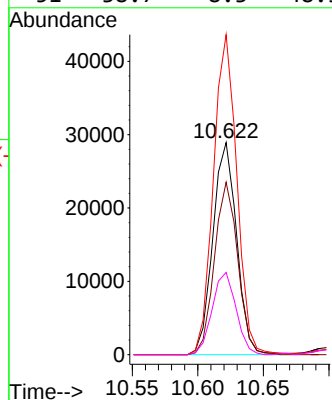
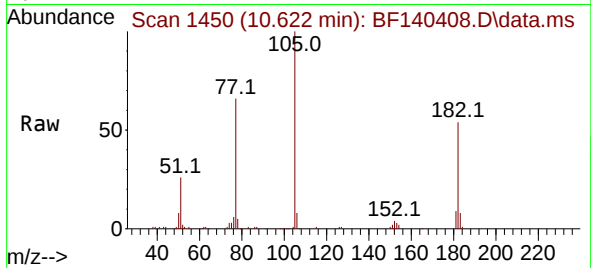




#63  
Azobenzene  
Concen: 2.110 ng  
RT: 10.622 min Scan# 1449  
Delta R.T. 0.006 min  
Lab File: BF140408.D  
Acq: 15 Nov 2024 17:13

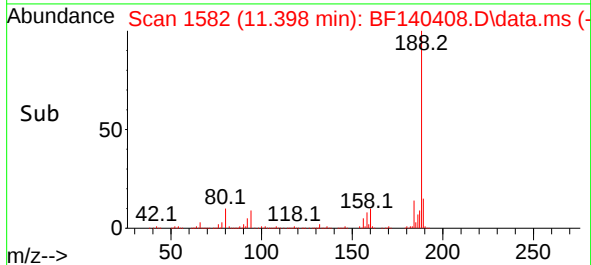
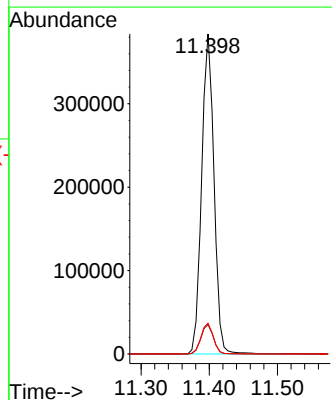
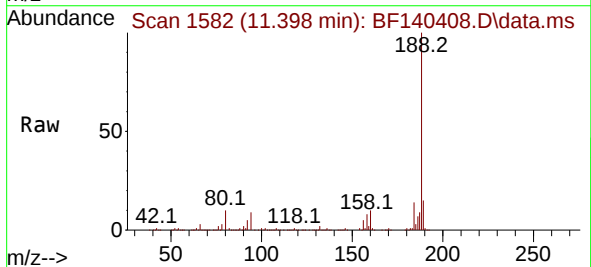
Instrument :  
BNA\_F  
ClientSampleId :  
BF-F13

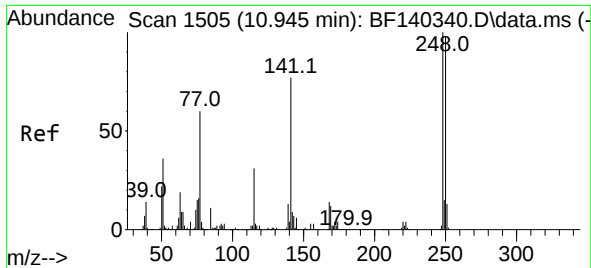
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 36530 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 182      | 81.3  | 4.6   | 44.6# |
| 105      | 150.8 | 0.9   | 40.9# |
| 51       | 38.7  | 8.3   | 48.3  |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 1582  
Delta R.T. -0.006 min  
Lab File: BF140408.D  
Acq: 15 Nov 2024 17:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 482531 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 9.2   | 7.6   | 11.4   |
| 80       | 9.6   | 8.0   | 12.0   |

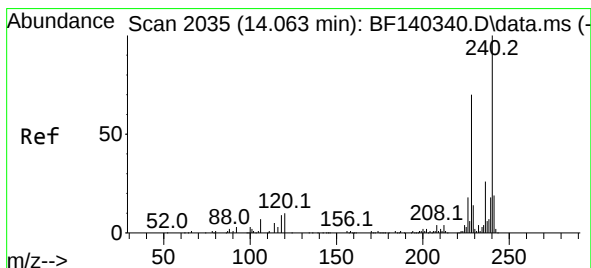
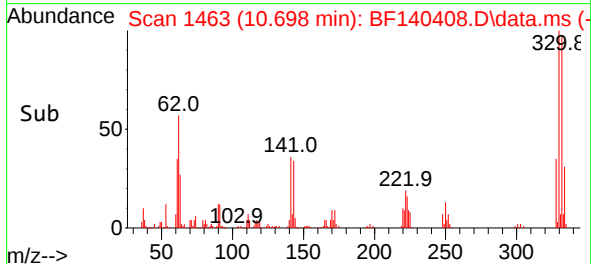
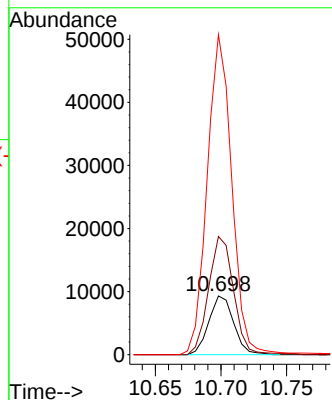
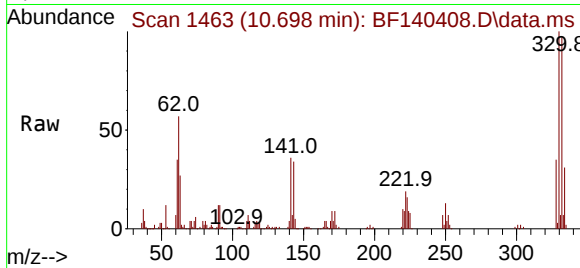




#67  
4-Bromophenyl-phenylether  
Concen: 2.549 ng  
RT: 10.698 min Scan# 1463  
Delta R.T. -0.247 min  
Lab File: BF140408.D  
Acq: 15 Nov 2024 17:13

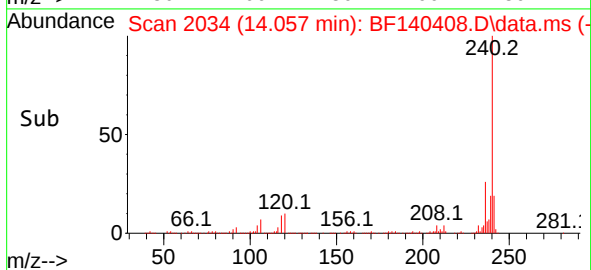
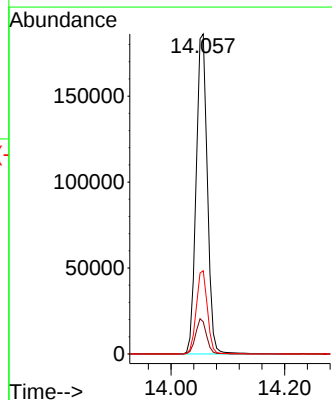
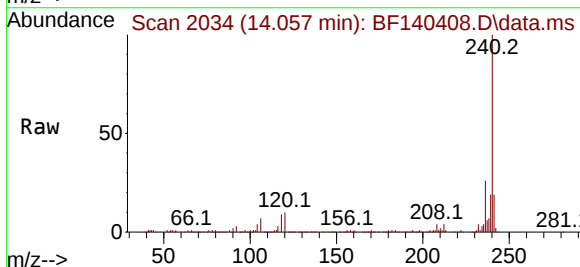
Instrument :  
BNA\_F  
ClientSampleId :  
BF-F13

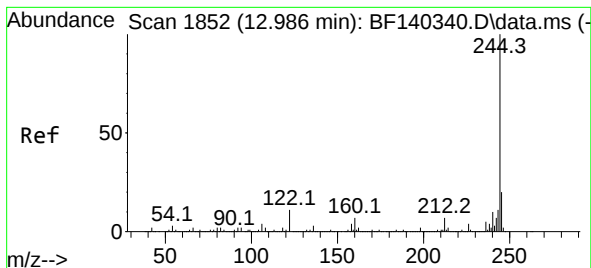
Tgt Ion:248 Resp: 12295  
Ion Ratio Lower Upper  
248 100  
250 201.4 77.9 116.9#  
141 545.0 61.8 92.6#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.057 min Scan# 2034  
Delta R.T. 0.006 min  
Lab File: BF140408.D  
Acq: 15 Nov 2024 17:13

Tgt Ion:240 Resp: 256405  
Ion Ratio Lower Upper  
240 100  
120 10.1 8.8 13.2  
236 26.0 20.9 31.3





#79

Terphenyl-d14

Concen: 55.813 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.000 min

Lab File: BF140408.D

Acq: 15 Nov 2024 17:13

Instrument :

BNA\_F

ClientSampleId :

BF-F13

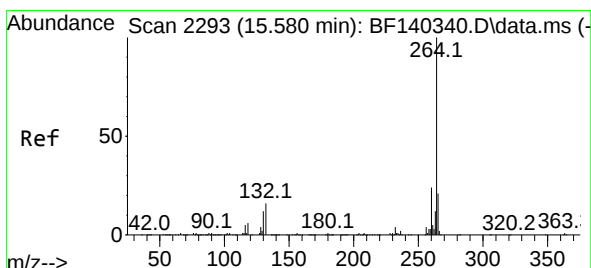
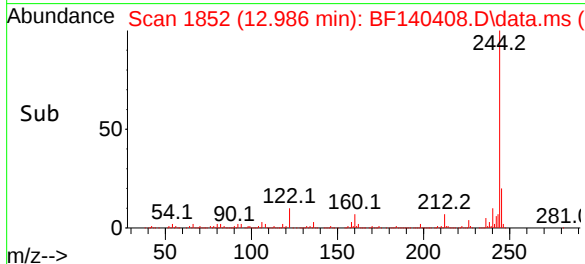
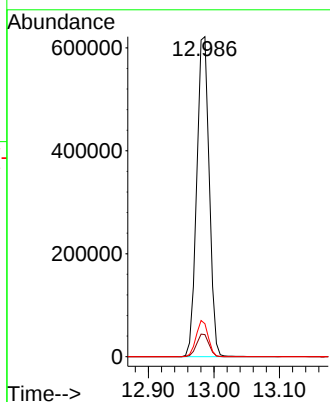
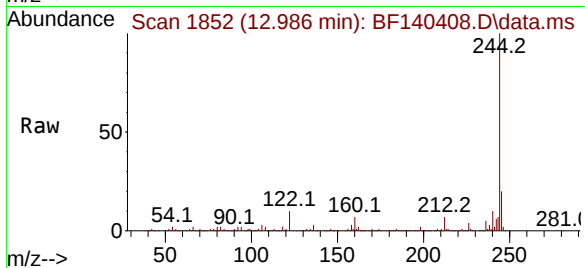
Tgt Ion:244 Resp: 824456

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 10.3 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 2292

Delta R.T. 0.018 min

Lab File: BF140408.D

Acq: 15 Nov 2024 17:13

Tgt Ion:264 Resp: 276829

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.5 17.1 25.7

