

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022525\  
 Data File : BF141768.D  
 Acq On : 25 Feb 2025 17:05  
 Operator : RC/JU  
 Sample : Q1415-02  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-172-SB01

Quant Time: Feb 25 17:26:36 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 06 16:58:59 2025  
 Response via : Initial Calibration

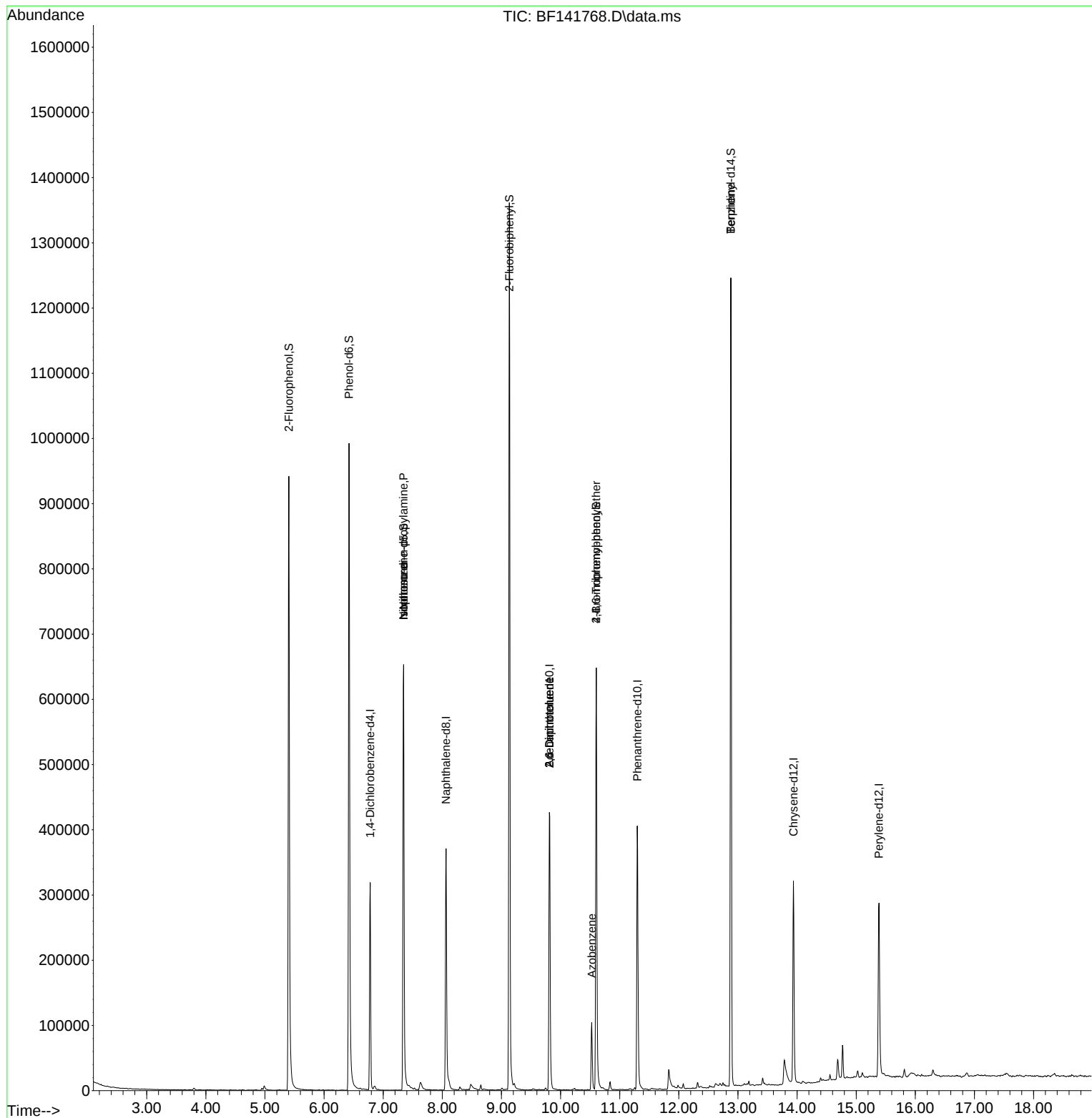
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.781  | 152  | 68668    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.063  | 136  | 275032   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.810  | 164  | 146934   | 20.000 | ng    | -0.02    |
| 64) Phenanthrene-d10          | 11.298 | 188  | 243302   | 20.000 | ng    | -0.02    |
| 76) Chrysene-d12              | 13.939 | 240  | 170277   | 20.000 | ng    | -0.02    |
| 86) Perylene-d12              | 15.386 | 264  | 176972   | 20.000 | ng    | -0.03    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.404  | 112  | 401011   | 91.554 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.422  | 99   | 499893   | 90.298 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 326302   | 61.881 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.604 | 330  | 117690   | 79.735 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 9.133  | 172  | 624642   | 65.495 | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.880 | 244  | 613407   | 60.815 | ng    | -0.02    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.345  | 70   | 41392    | 12.500 | ng    | # 72     |
| 25) Isophorone                | 7.345  | 82   | 316399   | 37.632 | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.810  | 165  | 18989    | 8.708  | ng    | # 21     |
| 57) 2,4-Dinitrotoluene        | 9.810  | 165  | 18989    | 6.541  | ng    | # 17     |
| 63) Azobenzene                | 10.527 | 77   | 27668    | 2.836  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.604 | 248  | 7855     | 2.889  | ng    | # 1      |
| 77) Benzidine                 | 12.880 | 184  | 7869     | 2.095  | ng    | # 92     |
| -----                         |        |      |          |        |       |          |

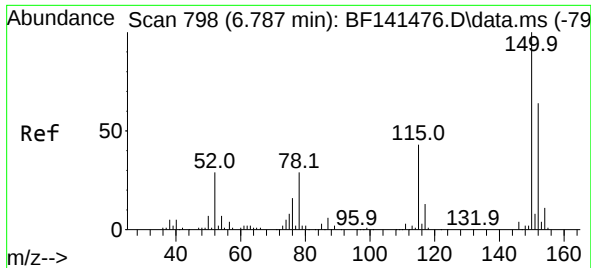
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022525\  
Data File : BF141768.D  
Acq On : 25 Feb 2025 17:05  
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Sample : Q1415-02  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-172-SB01

Quant Time: Feb 25 17:26:36 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Feb 06 16:58:59 2025  
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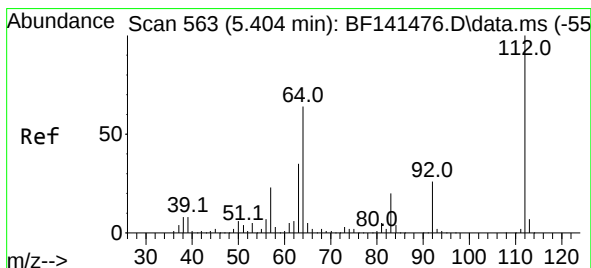
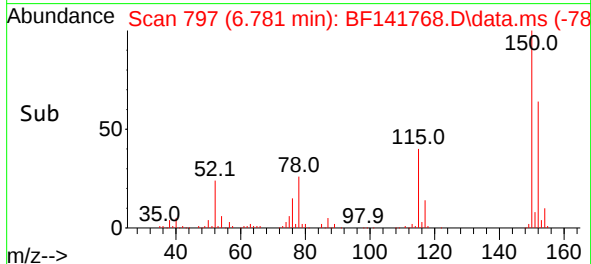
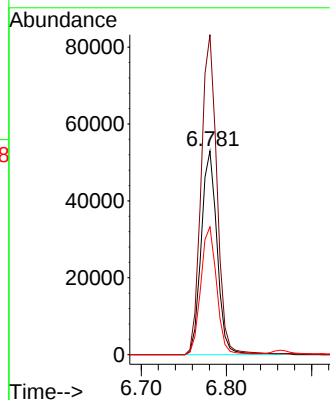
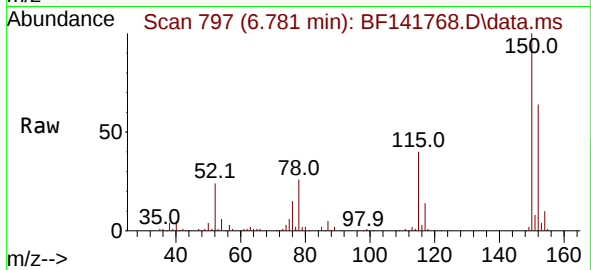




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.781 min Scan# 798  
Delta R.T. -0.011 min  
Lab File: BF141768.D  
Acq: 25 Feb 2025 17:05

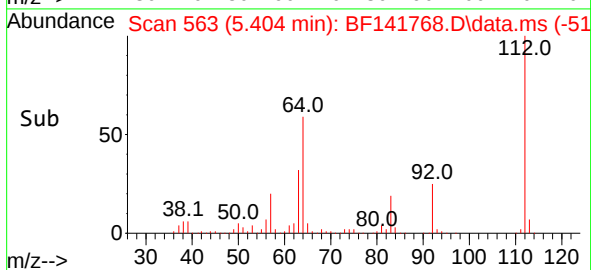
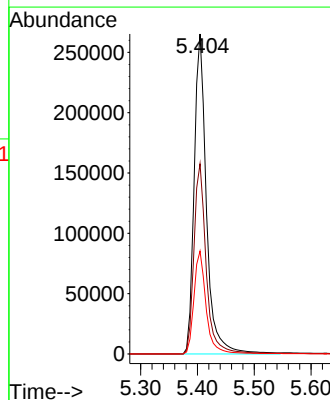
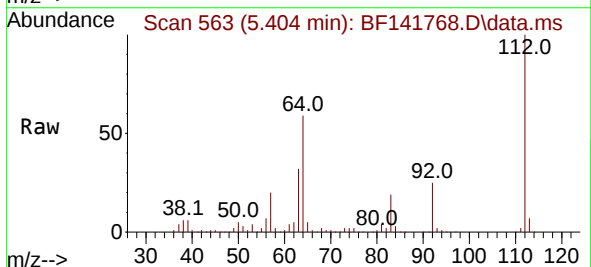
Instrument :  
BNA\_F  
ClientSampleId :  
B-172-SB01

Tgt Ion:152 Resp: 68668  
Ion Ratio Lower Upper  
152 100  
150 157.1 125.0 187.4  
115 62.8 53.6 80.4



#5  
2-Fluorophenol  
Concen: 91.554 ng  
RT: 5.404 min Scan# 563  
Delta R.T. -0.006 min  
Lab File: BF141768.D  
Acq: 25 Feb 2025 17:05

Tgt Ion:112 Resp: 401011  
Ion Ratio Lower Upper  
112 100  
64 59.4 51.1 76.7  
63 32.2 28.4 42.6





#7  
Phenol-d6  
Concen: 90.298 ng  
RT: 6.422 min Scan# 71  
Delta R.T. -0.018 min  
Lab File: BF141768.D  
Acq: 25 Feb 2025 17:05

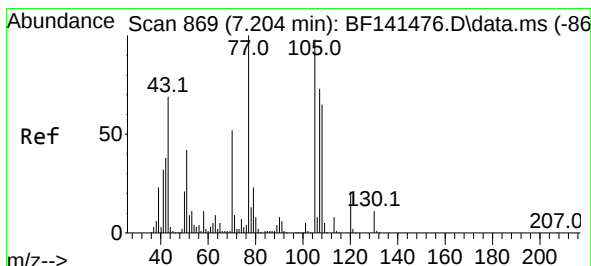
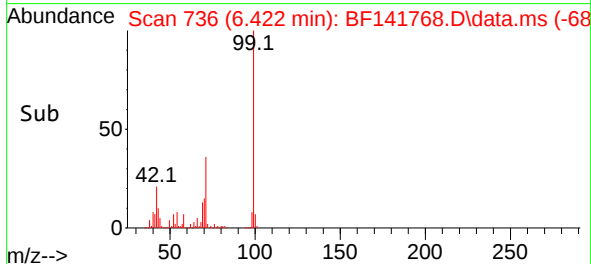
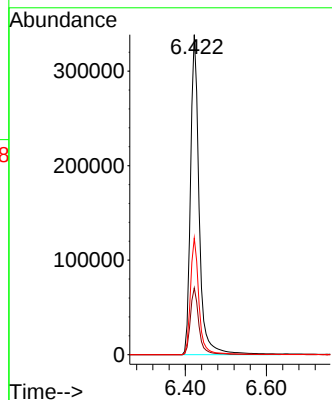
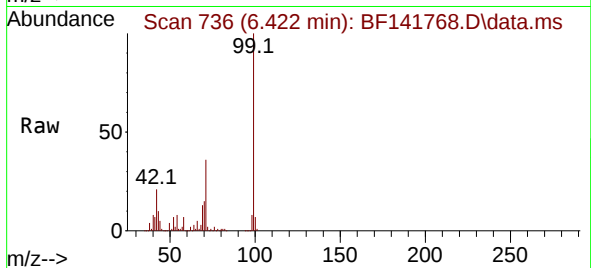
Instrument :

BNA\_F

ClientSampleId :

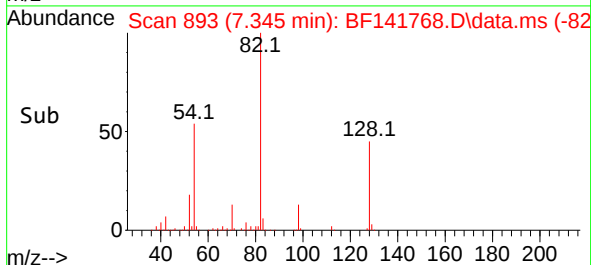
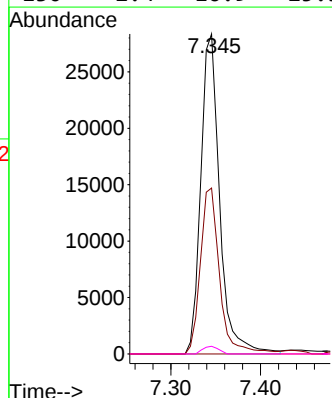
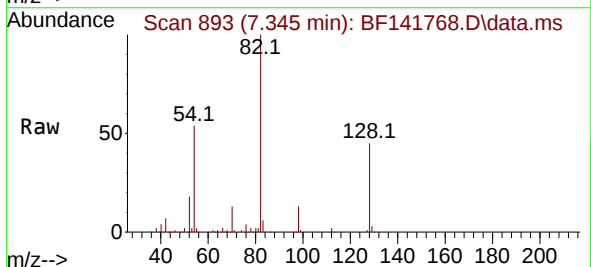
B-172-SB01

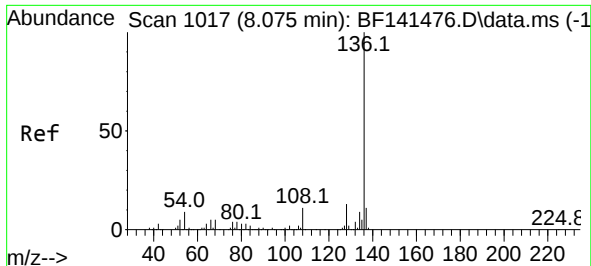
Tgt Ion: 99 Resp: 499893  
Ion Ratio Lower Upper  
99 100  
42 20.9 19.1 28.7  
71 36.5 31.1 46.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.500 ng  
RT: 7.345 min Scan# 893  
Delta R.T. 0.130 min  
Lab File: BF141768.D  
Acq: 25 Feb 2025 17:05

Tgt Ion: 70 Resp: 41392  
Ion Ratio Lower Upper  
70 100  
42 51.8 57.4 86.2#  
101 0.0 8.0 12.0#  
130 2.4 16.9 25.3#

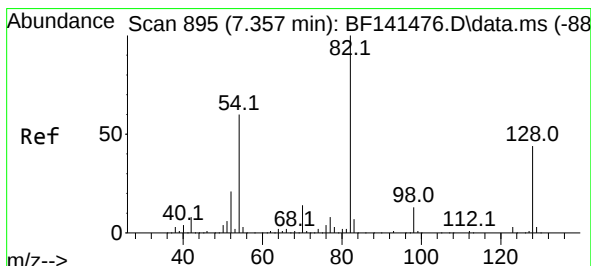
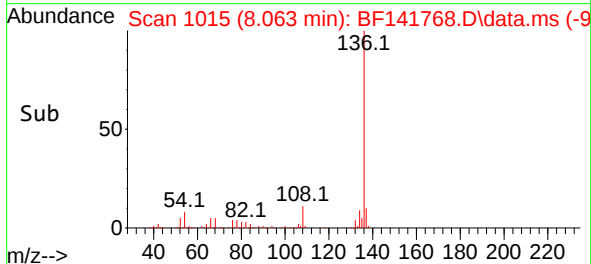
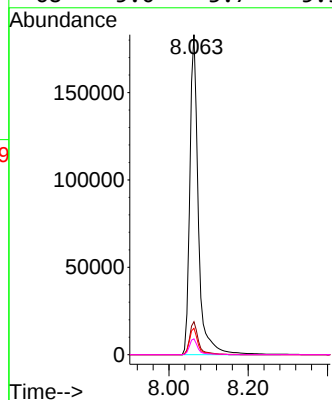
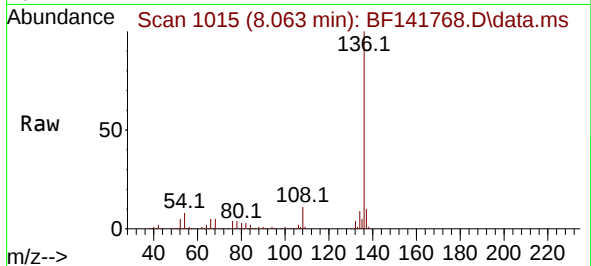




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.063 min Scan# 1015  
Delta R.T. -0.012 min  
Lab File: BF141768.D  
Acq: 25 Feb 2025 17:05

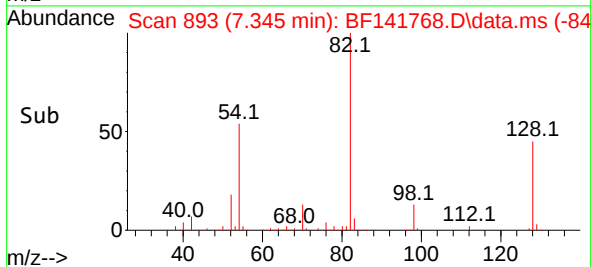
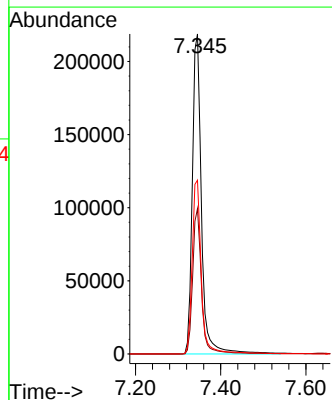
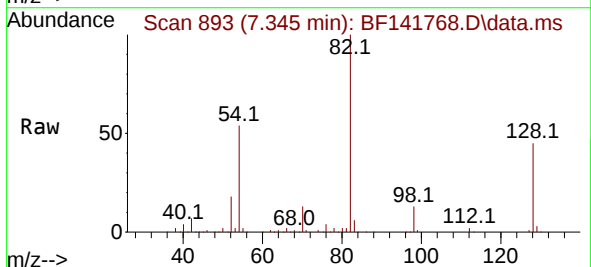
Instrument :  
BNA\_F  
ClientSampleId :  
B-172-SB01

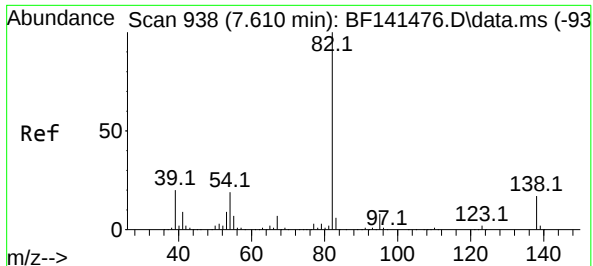
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 275032 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.3  | 8.6   | 13.0   |
| 54        | 8.2   | 7.2   | 10.8   |
| 68        | 5.0   | 3.7   | 5.5    |



#23  
Nitrobenzene-d5  
Concen: 61.881 ng  
RT: 7.345 min Scan# 893  
Delta R.T. -0.018 min  
Lab File: BF141768.D  
Acq: 25 Feb 2025 17:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 326302 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 45.4  | 34.8  | 52.2   |
| 54        | 54.3  | 48.2  | 72.4   |

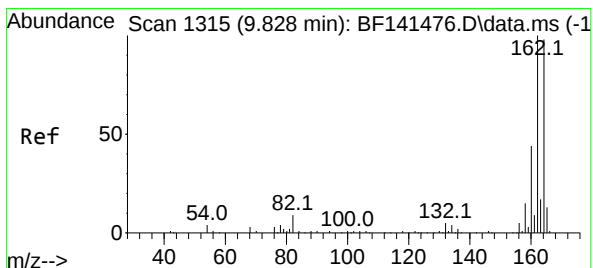
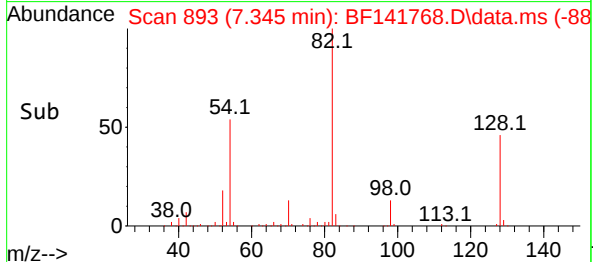
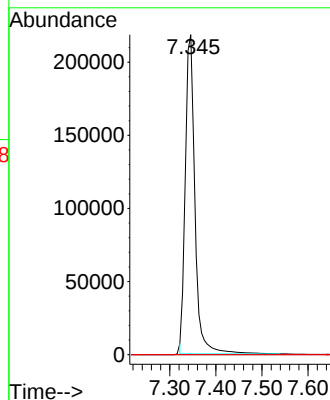
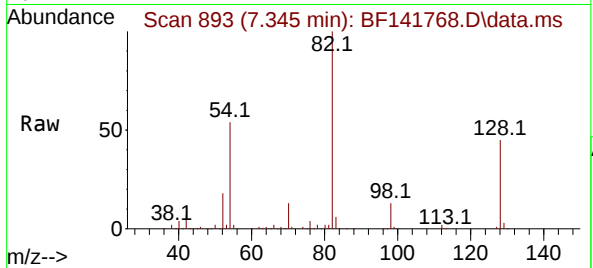




#25  
Isophorone  
Concen: 37.632 ng  
RT: 7.345 min Scan# 893  
Delta R.T. -0.276 min  
Lab File: BF141768.D  
Acq: 25 Feb 2025 17:05

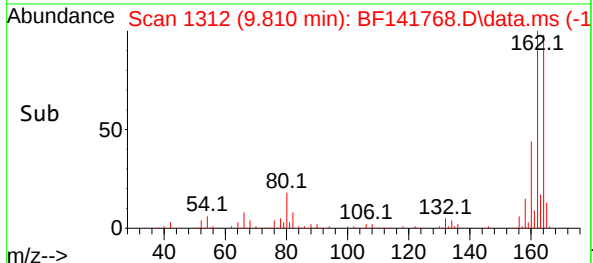
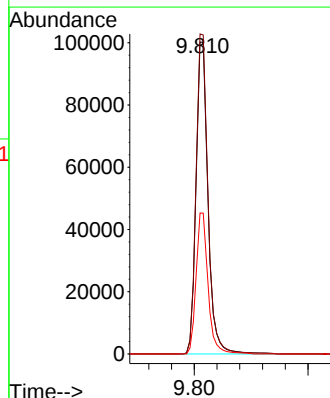
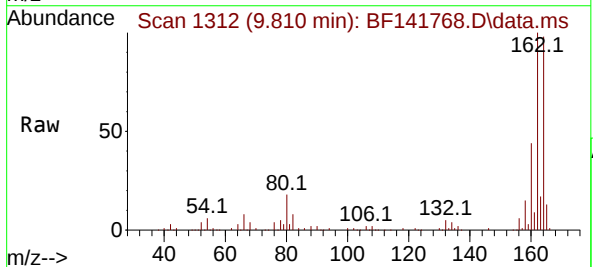
Instrument :  
BNA\_F  
ClientSampleId :  
B-172-SB01

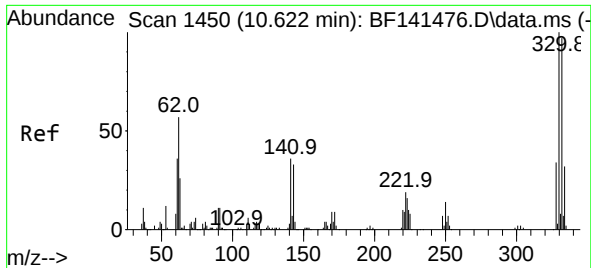
Tgt Ion: 82 Resp: 316399  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.4 9.6#  
138 0.0 13.9 20.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.810 min Scan# 1312  
Delta R.T. -0.023 min  
Lab File: BF141768.D  
Acq: 25 Feb 2025 17:05

Tgt Ion:164 Resp: 146934  
Ion Ratio Lower Upper  
164 100  
162 102.6 81.3 121.9  
160 45.2 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 79.735 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.023 min

Lab File: BF141768.D

Acq: 25 Feb 2025 17:05

Instrument :

BNA\_F

ClientSampleId :

B-172-SB01

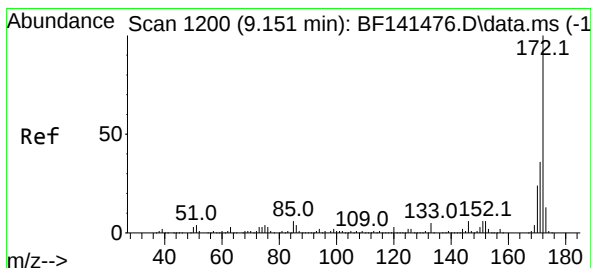
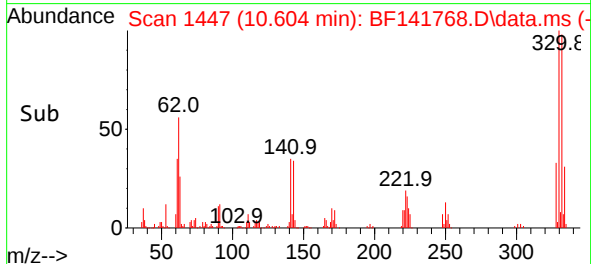
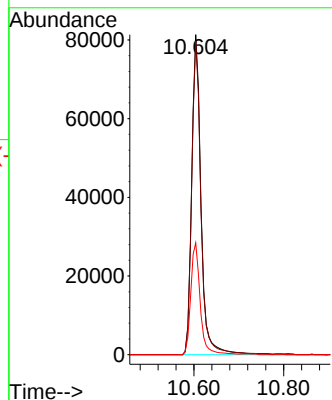
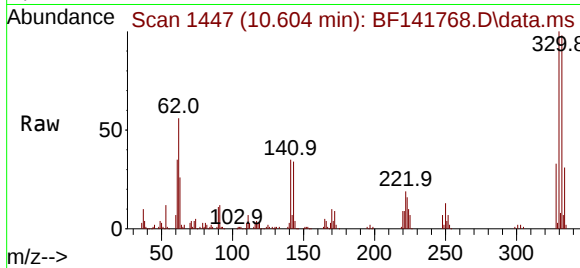
Tgt Ion:330 Resp: 117690

Ion Ratio Lower Upper

330 100

332 97.1 78.5 117.7

141 35.2 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 65.495 ng

RT: 9.133 min Scan# 1197

Delta R.T. -0.018 min

Lab File: BF141768.D

Acq: 25 Feb 2025 17:05

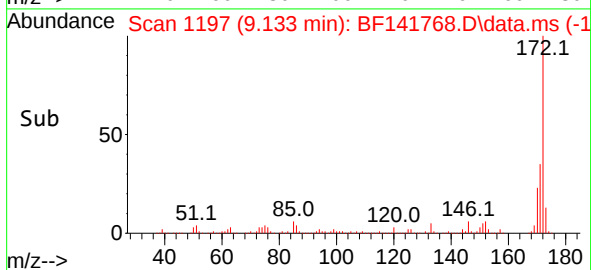
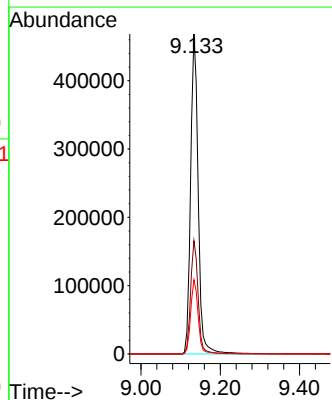
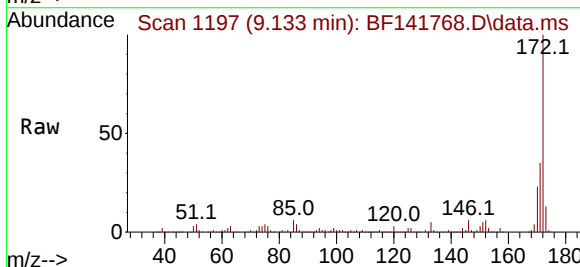
Tgt Ion:172 Resp: 624642

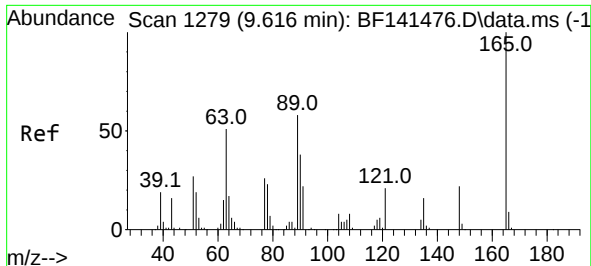
Ion Ratio Lower Upper

172 100

171 35.4 28.7 43.1

170 23.2 18.9 28.3

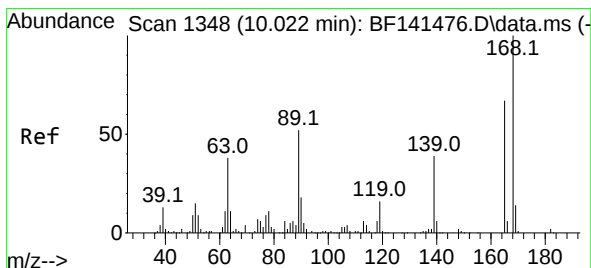
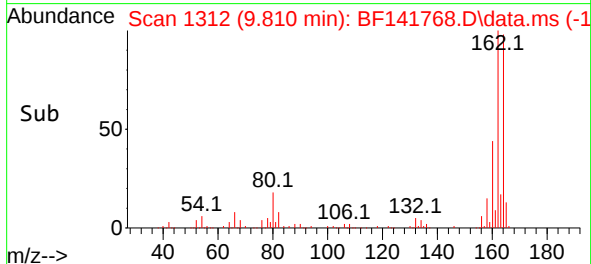
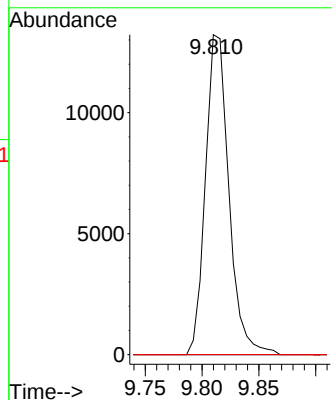
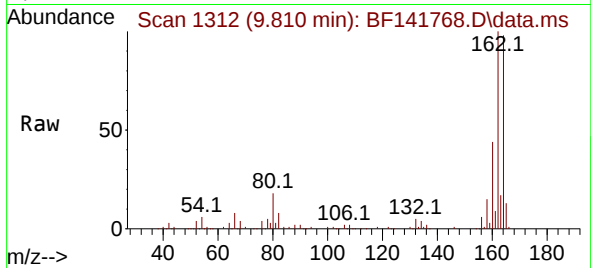




#51  
2,6-Dinitrotoluene  
Concen: 8.708 ng  
RT: 9.810 min Scan# 11  
Delta R.T. 0.188 min  
Lab File: BF141768.D  
Acq: 25 Feb 2025 17:05

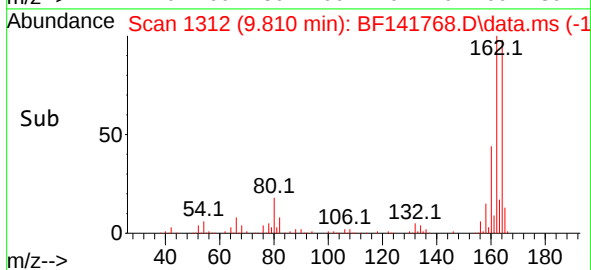
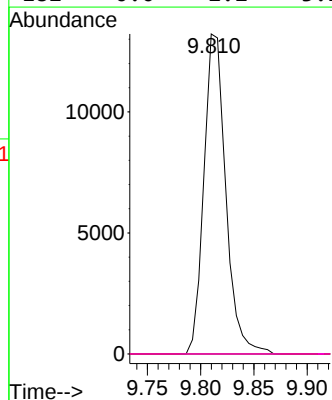
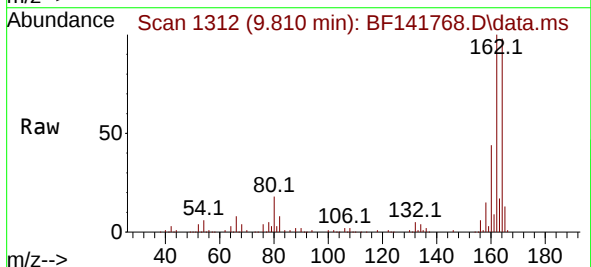
Instrument :  
BNA\_F  
ClientSampleId :  
B-172-SB01

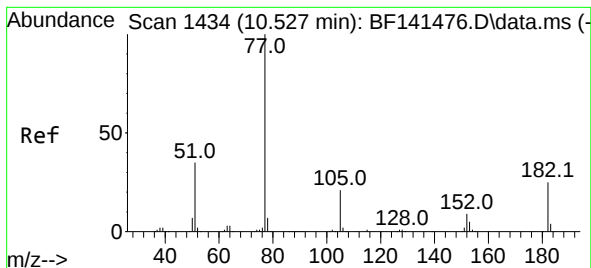
Tgt Ion:165 Resp: 18989  
Ion Ratio Lower Upper  
165 100  
63 0.0 49.4 74.0#  
89 0.0 46.5 69.7#



#57  
2,4-Dinitrotoluene  
Concen: 6.541 ng  
RT: 9.810 min Scan# 1312  
Delta R.T. -0.218 min  
Lab File: BF141768.D  
Acq: 25 Feb 2025 17:05

Tgt Ion:165 Resp: 18989  
Ion Ratio Lower Upper  
165 100  
63 0.0 46.4 69.6#  
89 0.0 61.8 92.6#  
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 2.836 ng

RT: 10.527 min Scan# 1434

Delta R.T. -0.006 min

Lab File: BF141768.D

Acq: 25 Feb 2025 17:05

Instrument :

BNA\_F

ClientSampleId :

B-172-SB01

Tgt Ion: 77 Resp: 27668

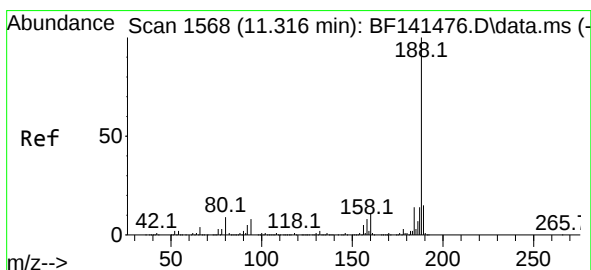
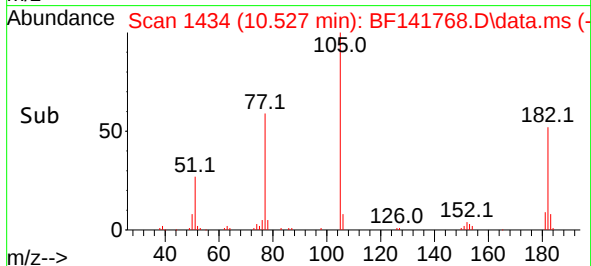
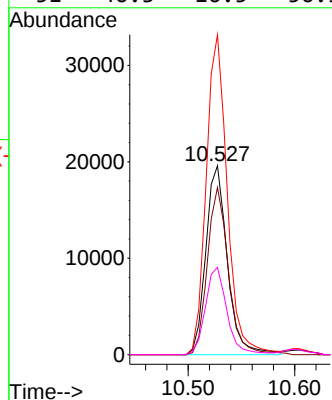
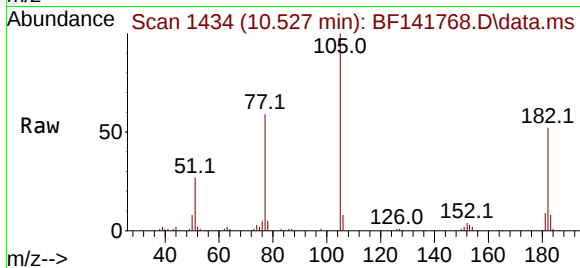
Ion Ratio Lower Upper

77 100

182 88.5 4.7 44.7#

105 169.4 0.4 40.4#

51 46.3 16.5 56.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1565

Delta R.T. -0.018 min

Lab File: BF141768.D

Acq: 25 Feb 2025 17:05

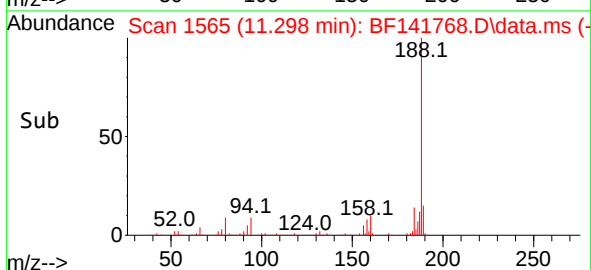
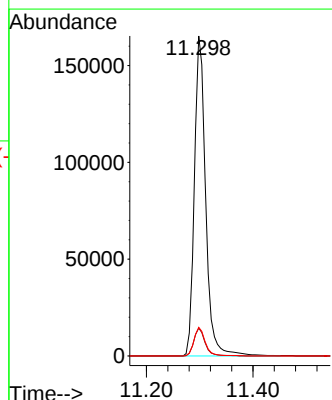
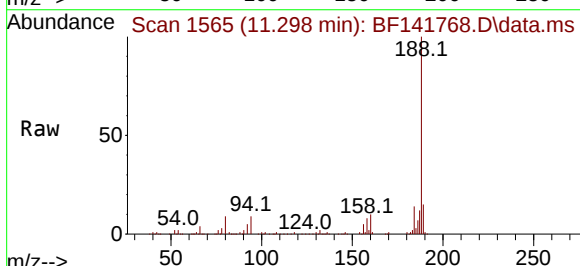
Tgt Ion:188 Resp: 243302

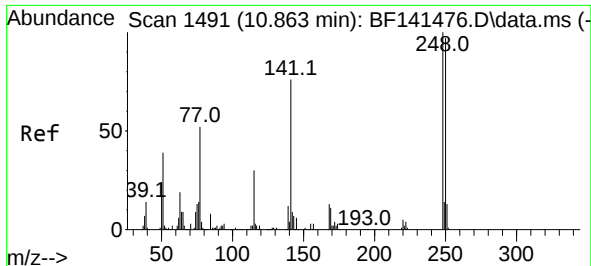
Ion Ratio Lower Upper

188 100

94 8.7 6.6 10.0

80 8.9 7.3 10.9

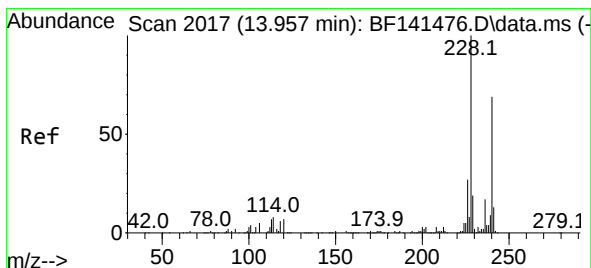
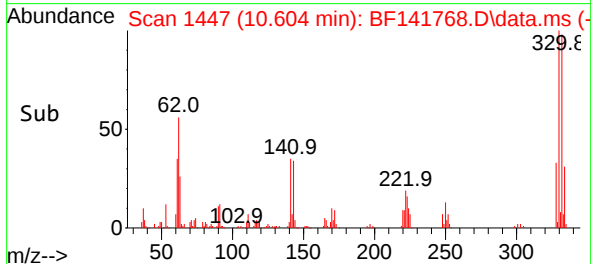
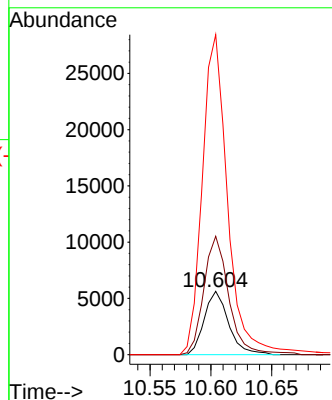
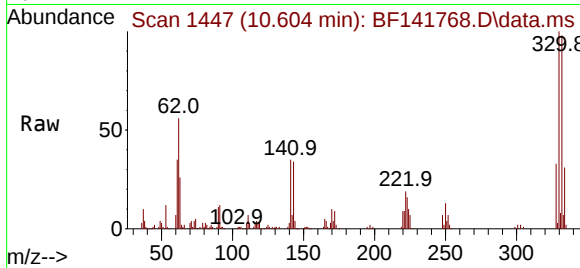




#67  
4-Bromophenyl-phenylether  
Concen: 2.889 ng  
RT: 10.604 min Scan# 1491  
Delta R.T. -0.259 min  
Lab File: BF141768.D  
Acq: 25 Feb 2025 17:05

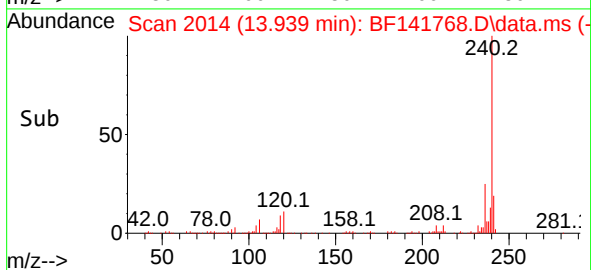
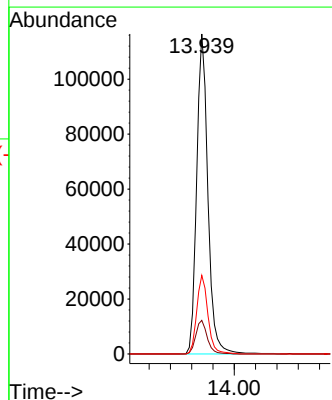
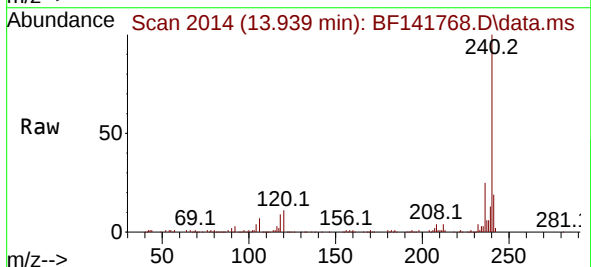
Instrument :  
BNA\_F  
ClientSampleId :  
B-172-SB01

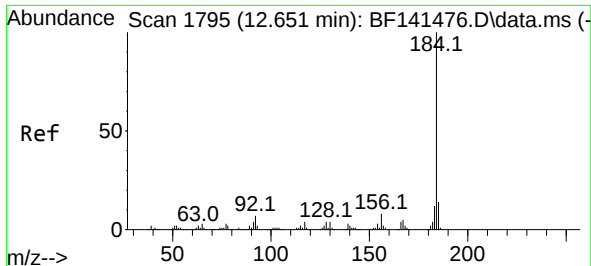
Tgt Ion:248 Resp: 7855  
Ion Ratio Lower Upper  
248 100  
250 187.0 77.8 116.6#  
141 505.4 60.6 90.8#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.939 min Scan# 2014  
Delta R.T. -0.023 min  
Lab File: BF141768.D  
Acq: 25 Feb 2025 17:05

Tgt Ion:240 Resp: 170277  
Ion Ratio Lower Upper  
240 100  
120 10.5 8.0 12.0  
236 24.6 19.8 29.8

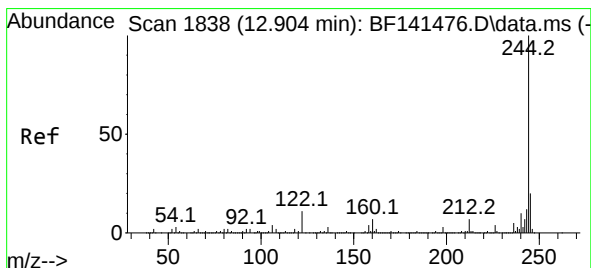
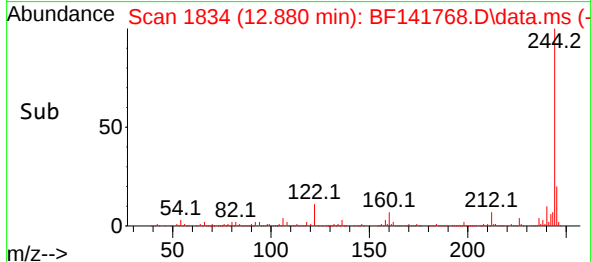
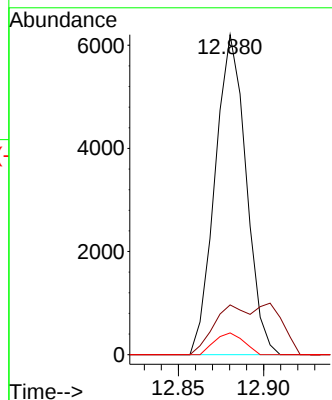
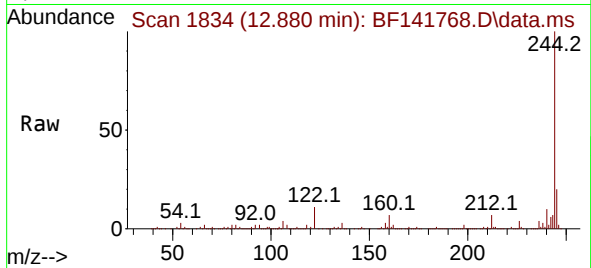




#77  
Benzidine  
Concen: 2.095 ng  
RT: 12.880 min Scan# 1834  
Delta R.T. 0.224 min  
Lab File: BF141768.D  
Acq: 25 Feb 2025 17:05

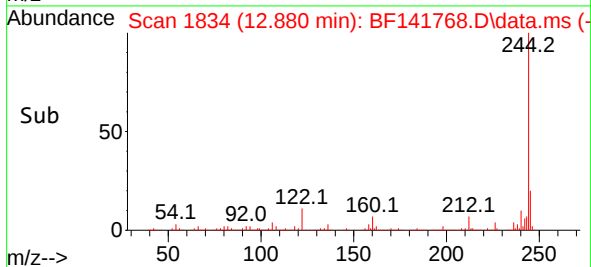
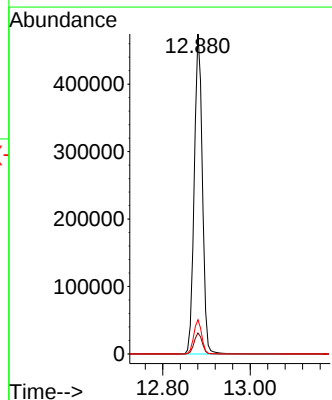
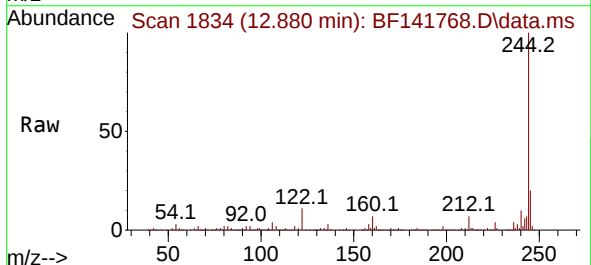
Instrument :  
BNA\_F  
ClientSampleId :  
B-172-SB01

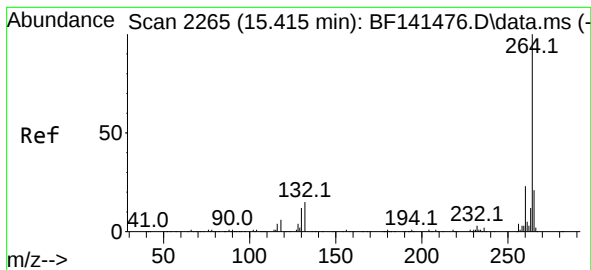
Tgt Ion:184 Resp: 7869  
Ion Ratio Lower Upper  
184 100  
185 15.6 11.3 16.9  
183 6.8 9.3 13.9#



#79  
Terphenyl-d14  
Concen: 60.815 ng  
RT: 12.880 min Scan# 1834  
Delta R.T. -0.023 min  
Lab File: BF141768.D  
Acq: 25 Feb 2025 17:05

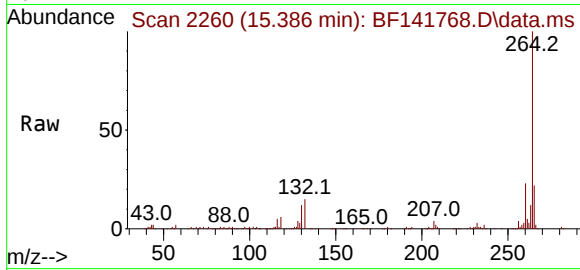
Tgt Ion:244 Resp: 613407  
Ion Ratio Lower Upper  
244 100  
212 6.6 5.6 8.4  
122 10.7 8.4 12.6





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.386 min Scan# 21  
Delta R.T. -0.029 min  
Lab File: BF141768.D  
Acq: 25 Feb 2025 17:05

Instrument :  
BNA\_F  
ClientSampleId :  
B-172-SB01



Tgt Ion:264 Resp: 176972  
Ion Ratio Lower Upper  
264 100  
260 22.9 18.6 28.0  
265 21.6 17.0 25.4

