

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF021925\  
 Data File : BF141688.D  
 Acq On : 19 Feb 2025 21:38  
 Operator : RC/JU  
 Sample : Q1383-05  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OU4-PCS-TC-13-021725

Quant Time: Feb 20 00:15:12 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

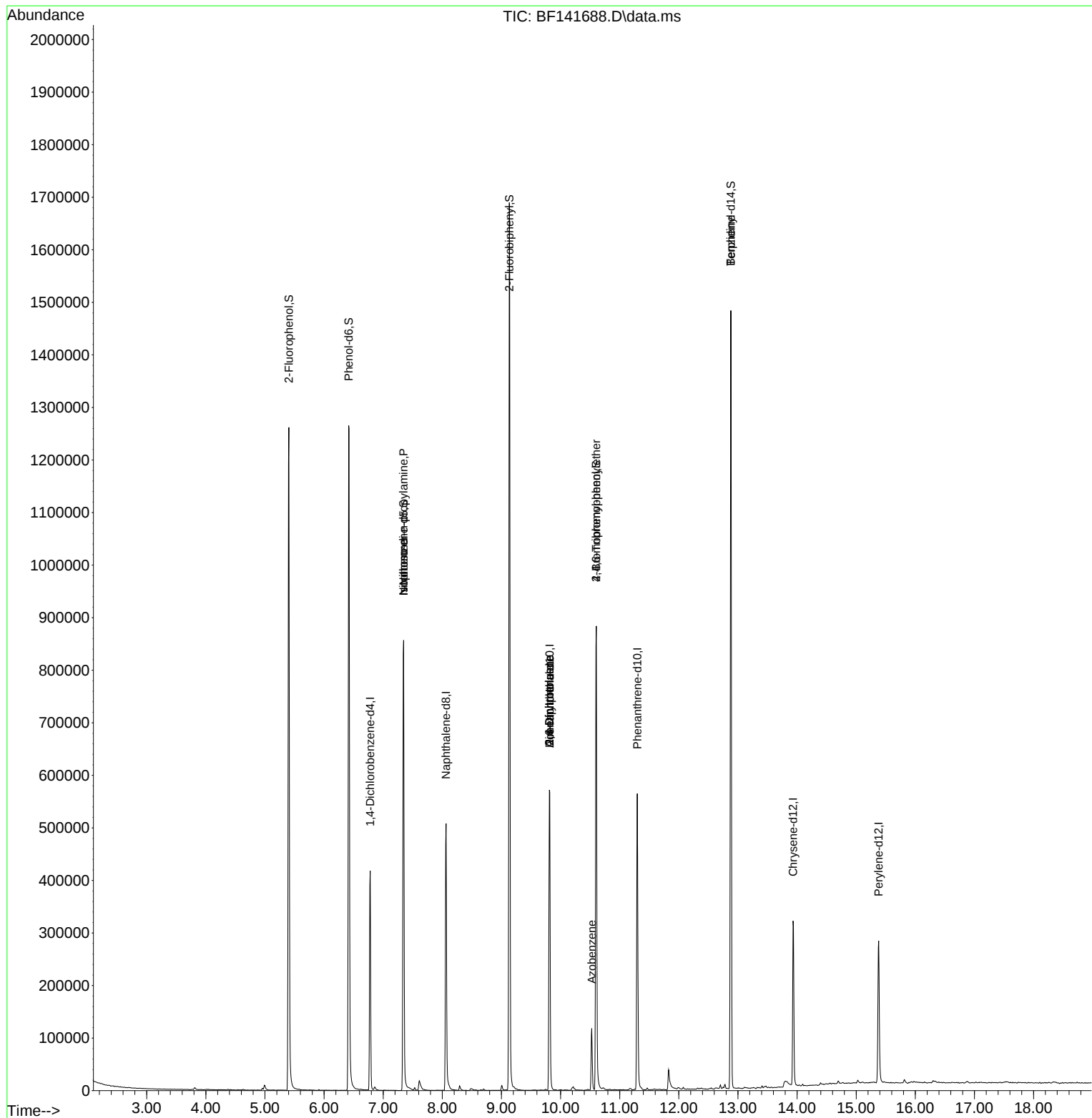
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.781  | 152  | 90325    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.063  | 136  | 359030   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.816  | 164  | 192044   | 20.000 | ng    | -0.02    |
| 64) Phenanthrene-d10          | 11.298 | 188  | 317895   | 20.000 | ng    | -0.02    |
| 76) Chrysene-d12              | 13.933 | 240  | 170108   | 20.000 | ng    | -0.03    |
| 86) Perylene-d12              | 15.380 | 264  | 175024   | 20.000 | ng    | -0.04    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.404  | 112  | 497199   | 86.297 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.416  | 99   | 616565   | 84.670 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 401957   | 58.394 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.604 | 330  | 155557   | 80.634 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 9.133  | 172  | 771454   | 61.889 | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.880 | 244  | 725825   | 72.032 | ng    | -0.02    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.345  | 70   | 53922    | 12.379 | ng    | # 72     |
| 25) Isophorone                | 7.345  | 82   | 391051   | 35.629 | ng    | # 66     |
| 50) Dimethylphthalate         | 9.816  | 163  | 28320    | 2.172  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.810  | 165  | 24161    | 8.477  | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.810  | 165  | 24161    | 6.368  | ng    | # 18     |
| 63) Azobenzene                | 10.527 | 77   | 30771    | 2.413  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.604 | 248  | 10557    | 2.971  | ng    | # 1      |
| 77) Benzidine                 | 12.880 | 184  | 9334     | 2.488  | ng    | # 93     |
| -----                         |        |      |          |        |       |          |

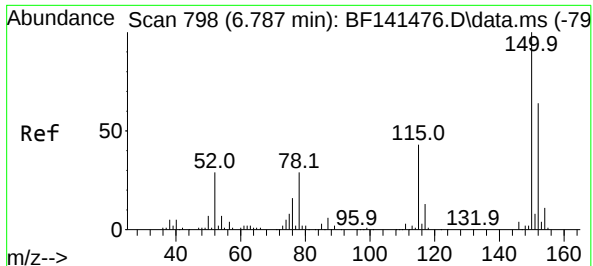
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF021925\  
Data File : BF141688.D  
Acq On : 19 Feb 2025 21:38  
Operator : RC/JU  
Sample : Q1383-05  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OU4-PCS-TC-13-021725

Quant Time: Feb 20 00:15:12 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

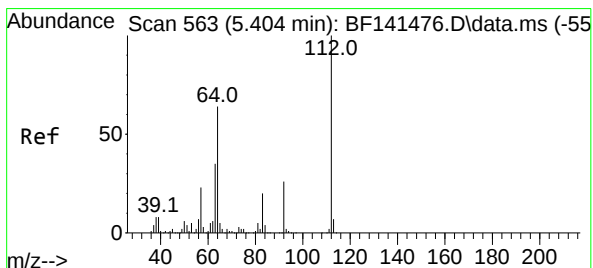
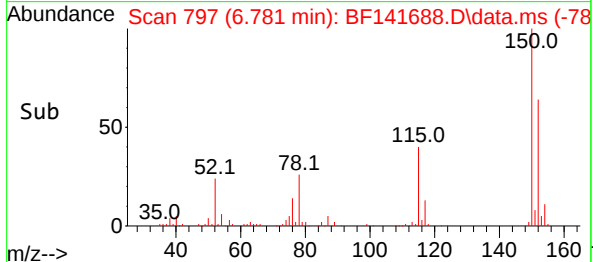
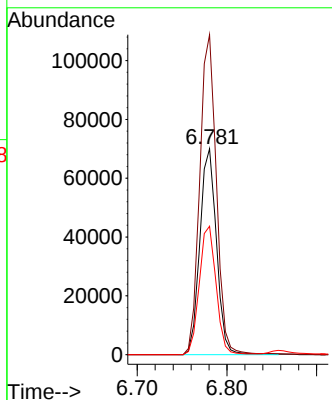
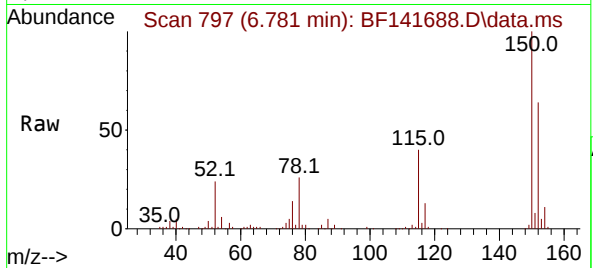




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.781 min Scan# 798  
Delta R.T. -0.011 min  
Lab File: BF141688.D  
Acq: 19 Feb 2025 21:38

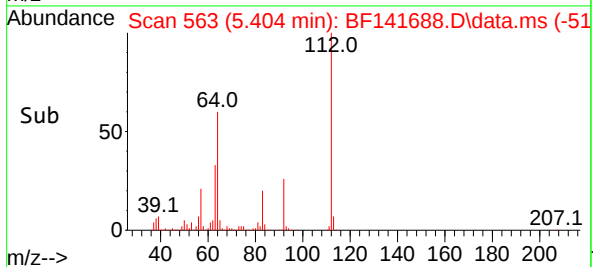
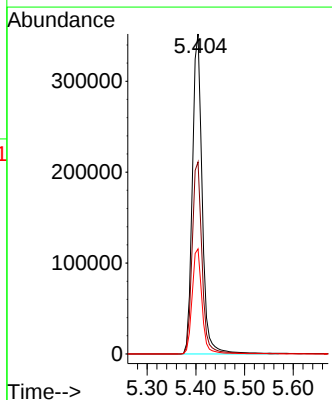
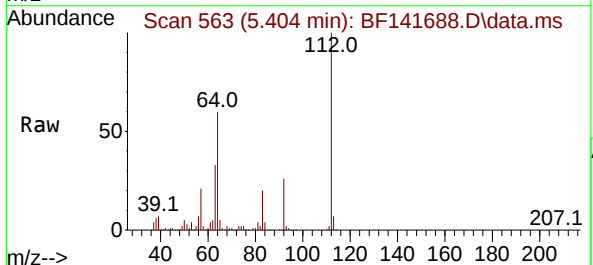
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-PCS-TC-13-021725

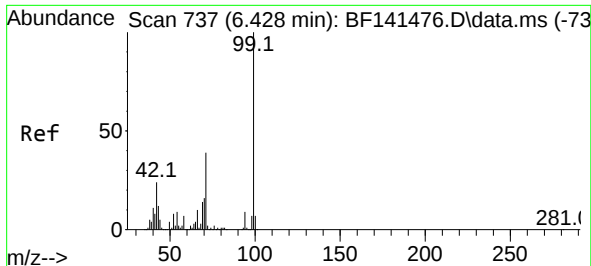
Tgt Ion:152 Resp: 90325  
Ion Ratio Lower Upper  
152 100  
150 155.4 125.0 187.4  
115 62.4 53.6 80.4



#5  
2-Fluorophenol  
Concen: 86.297 ng  
RT: 5.404 min Scan# 563  
Delta R.T. -0.006 min  
Lab File: BF141688.D  
Acq: 19 Feb 2025 21:38

Tgt Ion:112 Resp: 497199  
Ion Ratio Lower Upper  
112 100  
64 60.0 51.1 76.7  
63 32.9 28.4 42.6

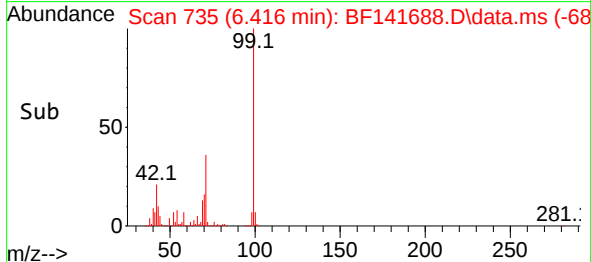
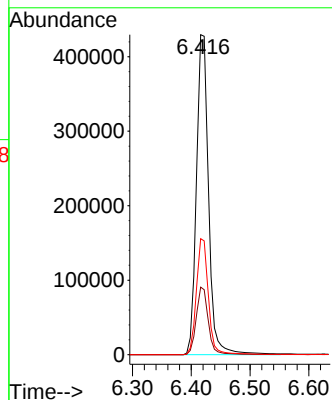
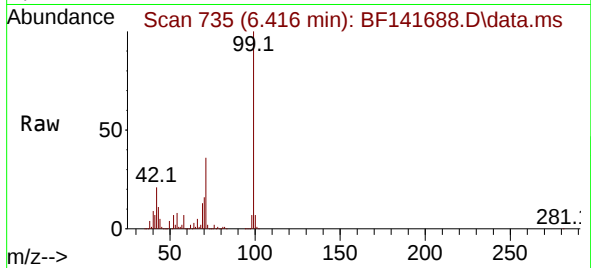




#7  
Phenol-d6  
Concen: 84.670 ng  
RT: 6.416 min Scan# 71  
Delta R.T. -0.023 min  
Lab File: BF141688.D  
Acq: 19 Feb 2025 21:38

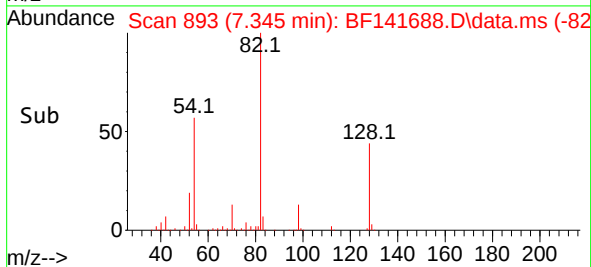
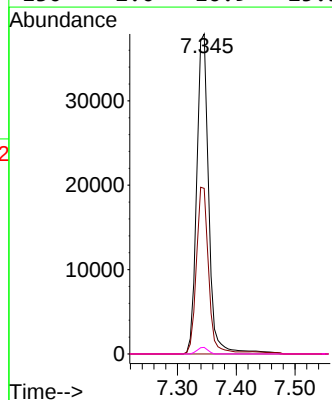
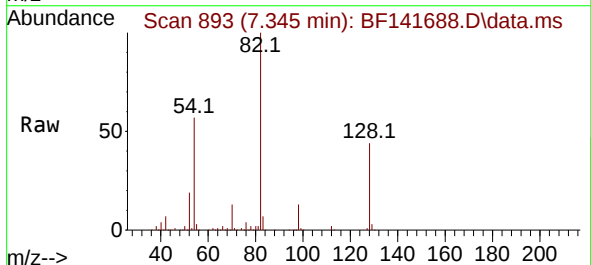
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-PCS-TC-13-021725

Tgt Ion: 99 Resp: 616565  
Ion Ratio Lower Upper  
99 100  
42 21.1 19.1 28.7  
71 36.3 31.1 46.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.379 ng  
RT: 7.345 min Scan# 893  
Delta R.T. 0.129 min  
Lab File: BF141688.D  
Acq: 19 Feb 2025 21:38

Tgt Ion: 70 Resp: 53922  
Ion Ratio Lower Upper  
70 100  
42 51.8 57.4 86.2#  
101 0.0 8.0 12.0#  
130 2.0 16.9 25.3#

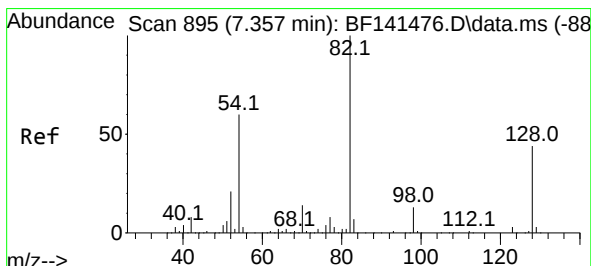
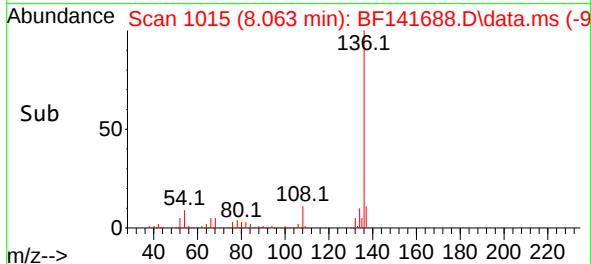
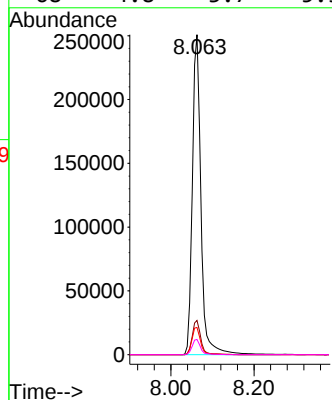
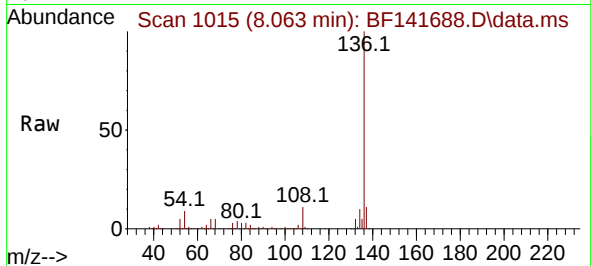




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.063 min Scan# 1015  
Delta R.T. -0.012 min  
Lab File: BF141688.D  
Acq: 19 Feb 2025 21:38

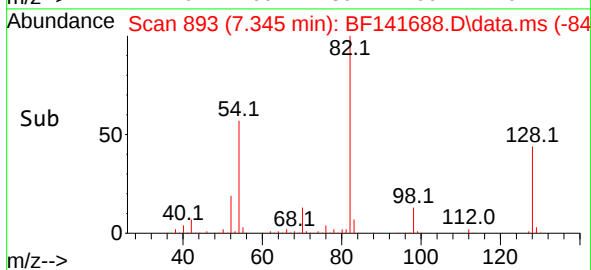
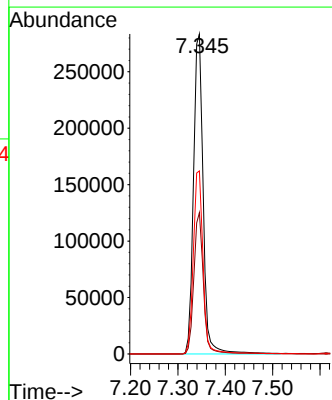
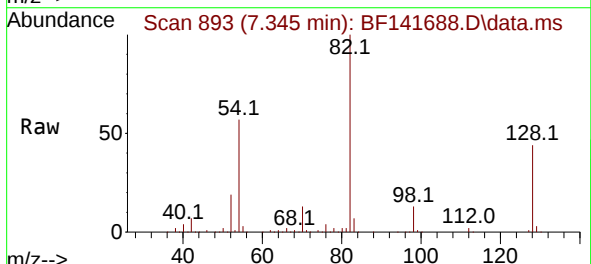
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-PCS-TC-13-021725

Tgt Ion:136 Resp: 359030  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 13.0  
54 8.5 7.2 10.8  
68 4.8 3.7 5.5



#23  
Nitrobenzene-d5  
Concen: 58.394 ng  
RT: 7.345 min Scan# 893  
Delta R.T. -0.018 min  
Lab File: BF141688.D  
Acq: 19 Feb 2025 21:38

Tgt Ion: 82 Resp: 401957  
Ion Ratio Lower Upper  
82 100  
128 44.1 34.8 52.2  
54 57.2 48.2 72.4

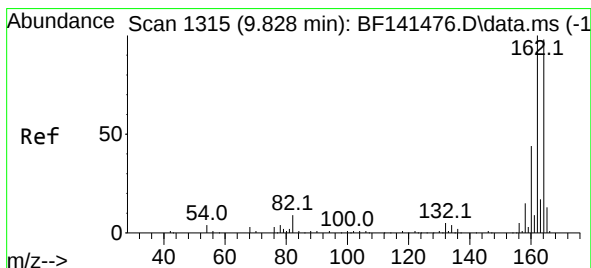
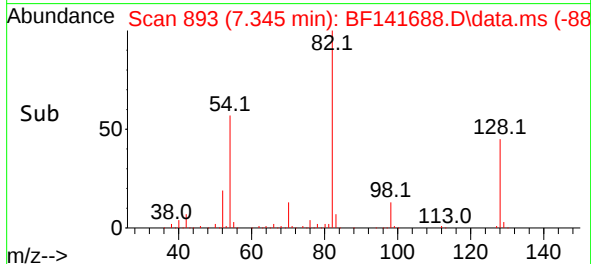
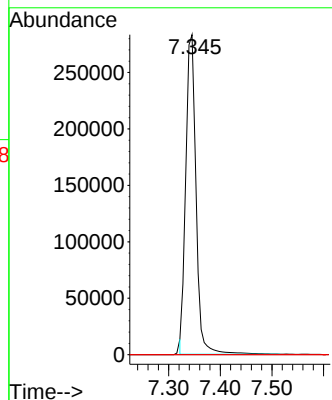
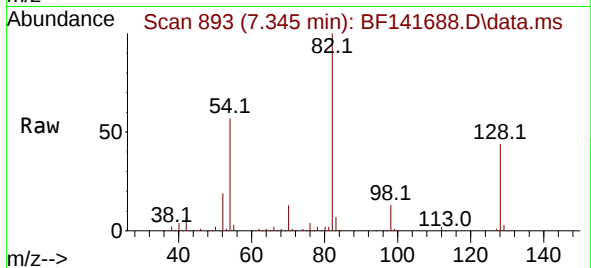




#25  
Isophorone  
Concen: 35.629 ng  
RT: 7.345 min Scan# 89  
Delta R.T. -0.276 min  
Lab File: BF141688.D  
Acq: 19 Feb 2025 21:38

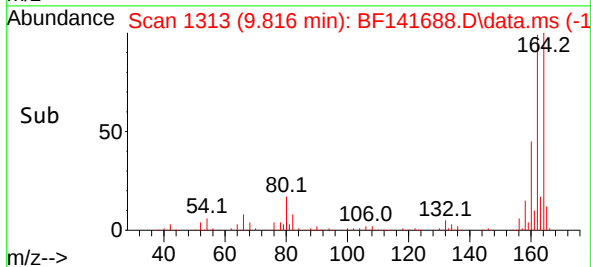
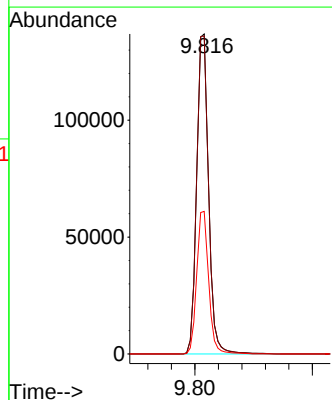
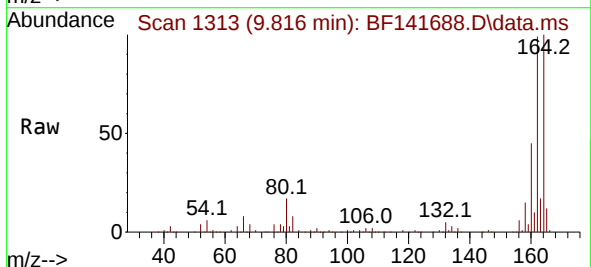
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-PCS-TC-13-021725

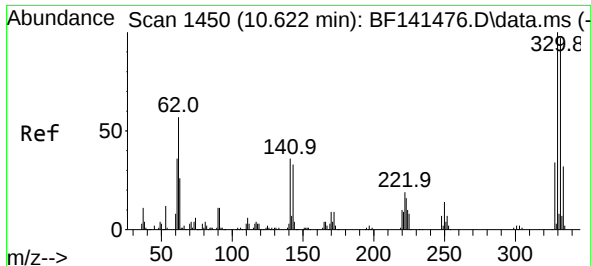
Tgt Ion: 82 Resp: 391051  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.4 9.6#  
138 0.0 13.9 20.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.816 min Scan# 1313  
Delta R.T. -0.018 min  
Lab File: BF141688.D  
Acq: 19 Feb 2025 21:38

Tgt Ion:164 Resp: 192044  
Ion Ratio Lower Upper  
164 100  
162 99.4 81.3 121.9  
160 44.6 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 80.634 ng

RT: 10.604 min Scan# 1450

Delta R.T. -0.023 min

Lab File: BF141688.D

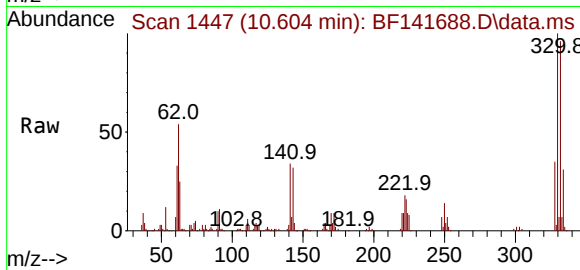
Acq: 19 Feb 2025 21:38

Instrument :

BNA\_F

ClientSampleId :

OU4-PCS-TC-13-021725



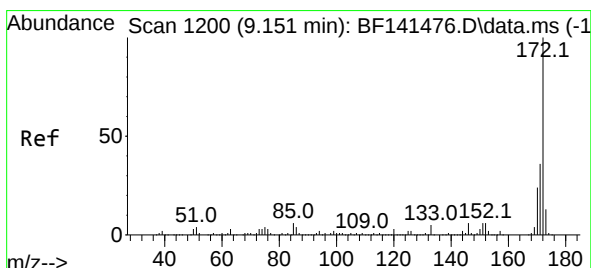
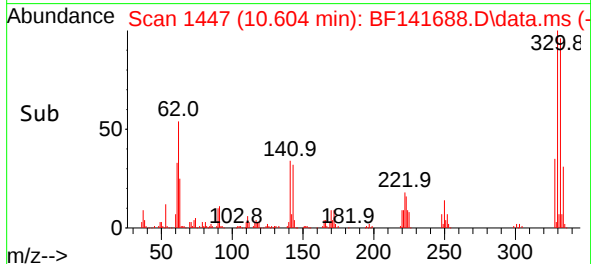
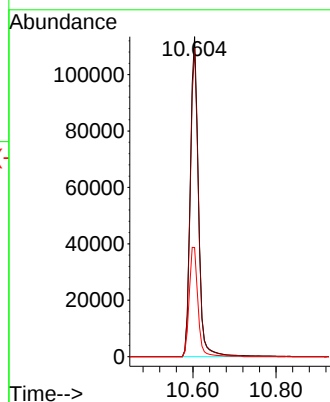
Tgt Ion:330 Resp: 155557

Ion Ratio Lower Upper

330 100

332 96.1 78.5 117.7

141 36.1 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 61.889 ng

RT: 9.133 min Scan# 1197

Delta R.T. -0.018 min

Lab File: BF141688.D

Acq: 19 Feb 2025 21:38

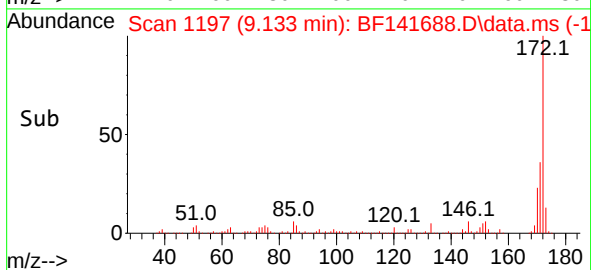
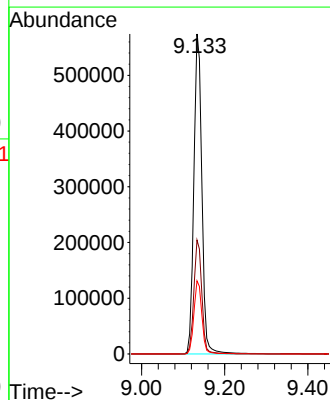
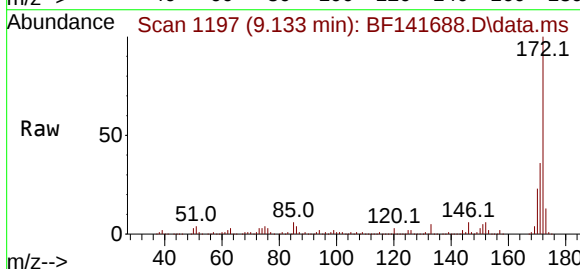
Tgt Ion:172 Resp: 771454

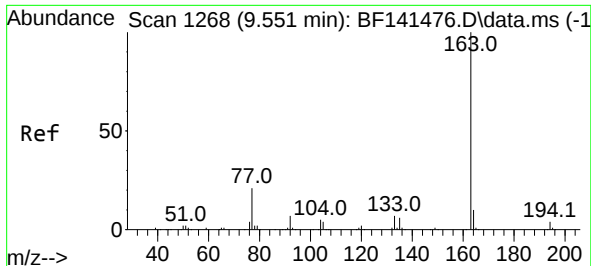
Ion Ratio Lower Upper

172 100

171 35.6 28.7 43.1

170 22.8 18.9 28.3

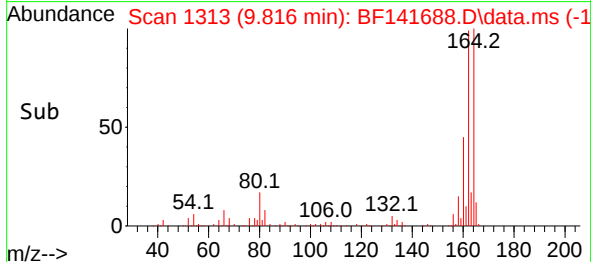
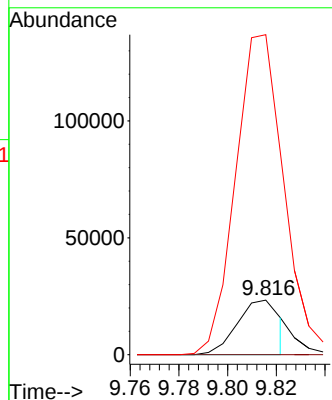
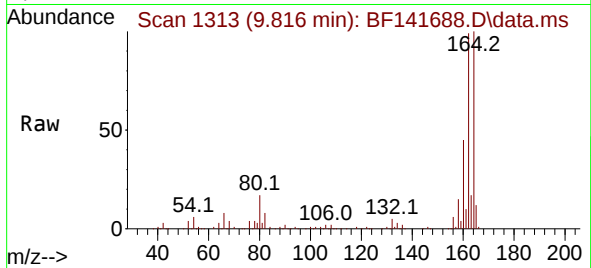




#50  
Dimethylphthalate  
Concen: 2.172 ng  
RT: 9.816 min Scan# 11  
Delta R.T. 0.253 min  
Lab File: BF141688.D  
Acq: 19 Feb 2025 21:38

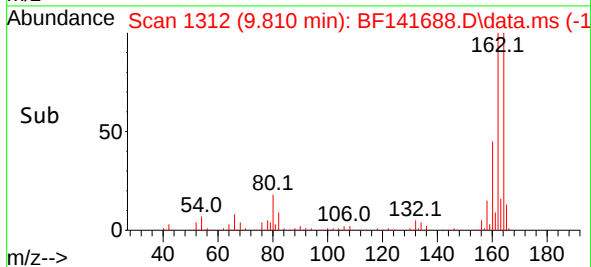
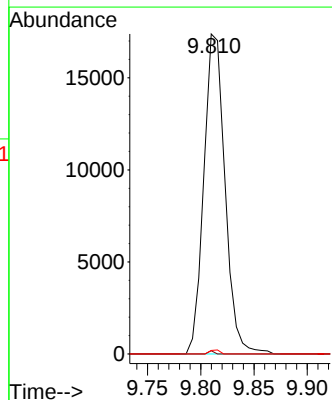
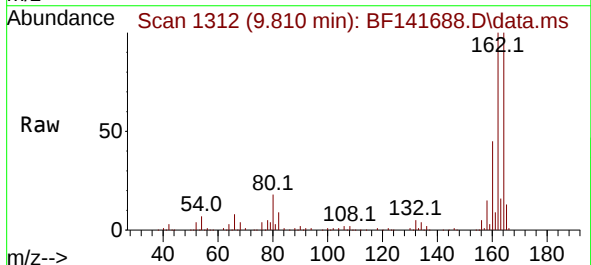
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-PCS-TC-13-021725

Tgt Ion:163 Resp: 28320  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.0 4.4#  
164 586.8 7.9 11.9#



#51  
2,6-Dinitrotoluene  
Concen: 8.477 ng  
RT: 9.810 min Scan# 1312  
Delta R.T. 0.188 min  
Lab File: BF141688.D  
Acq: 19 Feb 2025 21:38

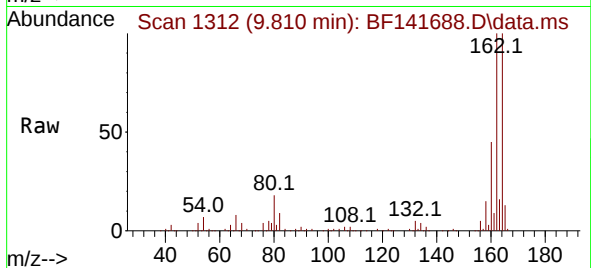
Tgt Ion:165 Resp: 24161  
Ion Ratio Lower Upper  
165 100  
63 1.0 49.4 74.0#  
89 1.1 46.5 69.7#



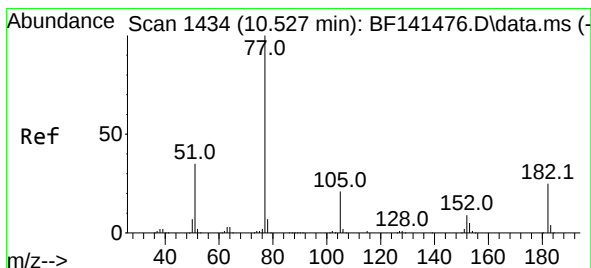
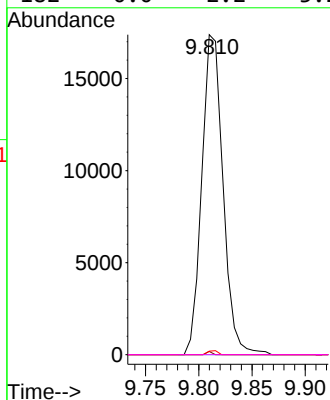
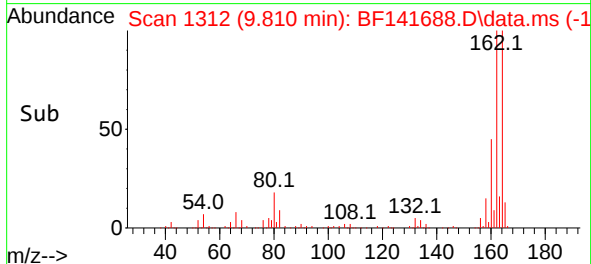


#57  
2,4-Dinitrotoluene  
Concen: 6.368 ng  
RT: 9.810 min Scan# 11  
Delta R.T. -0.218 min  
Lab File: BF141688.D  
Acq: 19 Feb 2025 21:38

Instrument :  
BNA\_F  
ClientSampleId :  
OU4-PCS-TC-13-021725

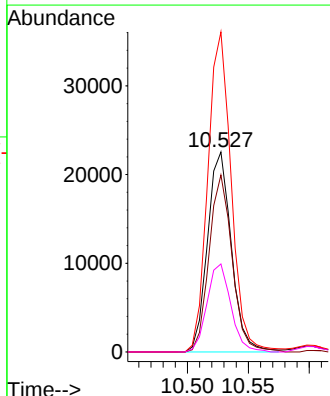
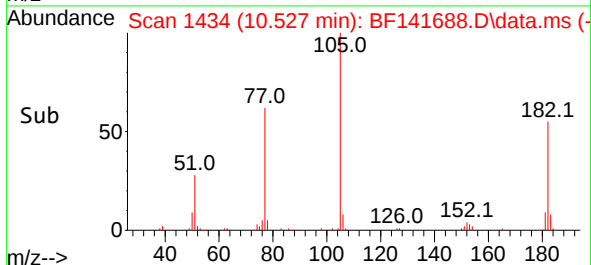
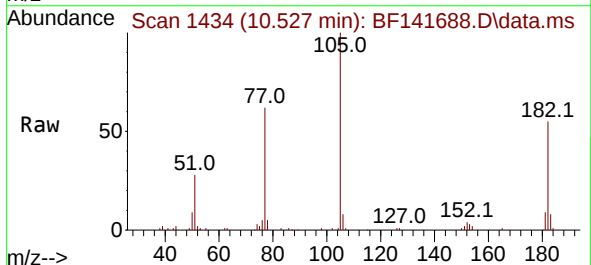


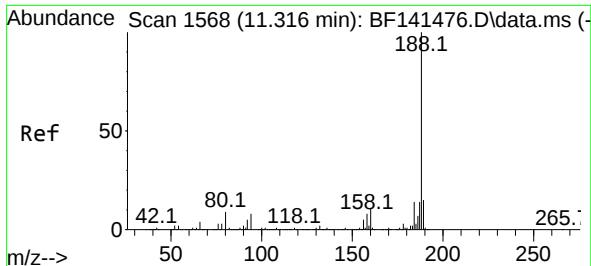
Tgt Ion:165 Resp: 24161  
Ion Ratio Lower Upper  
165 100  
63 1.0 46.4 69.6#  
89 1.1 61.8 92.6#  
182 0.0 2.2 3.2#



#63  
Azobenzene  
Concen: 2.413 ng  
RT: 10.527 min Scan# 1434  
Delta R.T. -0.006 min  
Lab File: BF141688.D  
Acq: 19 Feb 2025 21:38

Tgt Ion: 77 Resp: 30771  
Ion Ratio Lower Upper  
77 100  
182 88.5 4.7 44.7#  
105 160.0 0.4 40.4#  
51 44.0 16.5 56.5

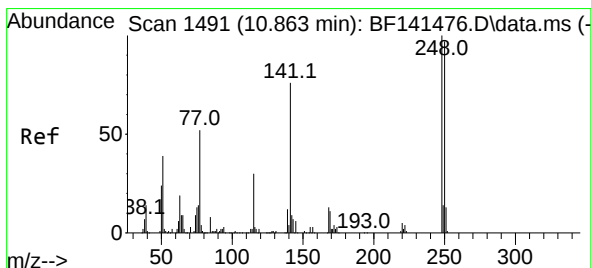
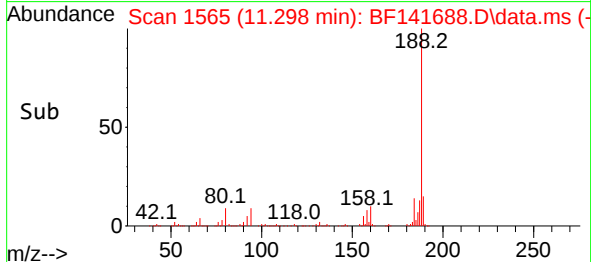
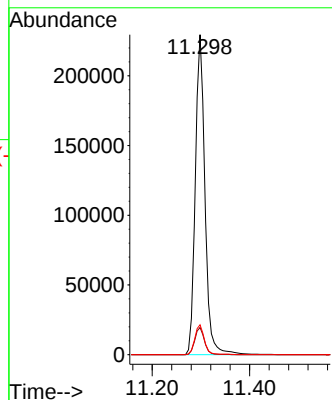
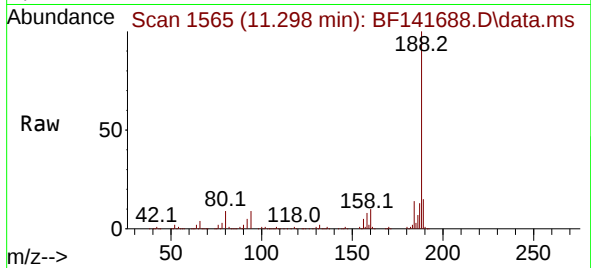




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.298 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: BF141688.D  
Acq: 19 Feb 2025 21:38

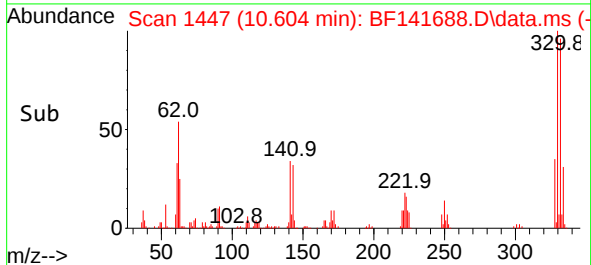
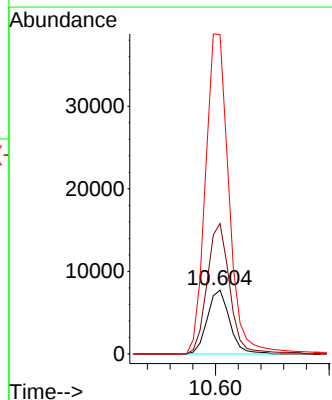
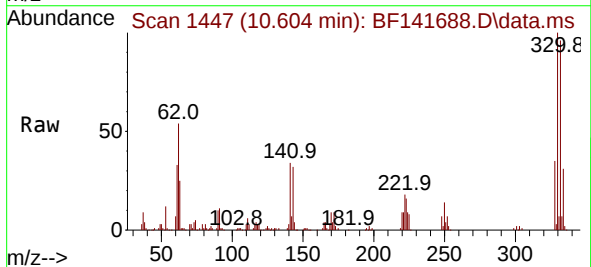
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-PCS-TC-13-021725

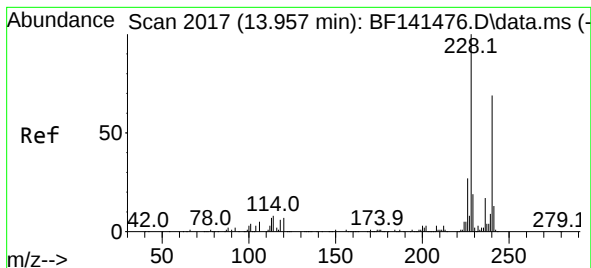
Tgt Ion:188 Resp: 317895  
Ion Ratio Lower Upper  
188 100  
94 8.5 6.6 10.0  
80 9.3 7.3 10.9



#67  
4-Bromophenyl-phenylether  
Concen: 2.971 ng  
RT: 10.604 min Scan# 1447  
Delta R.T. -0.259 min  
Lab File: BF141688.D  
Acq: 19 Feb 2025 21:38

Tgt Ion:248 Resp: 10557  
Ion Ratio Lower Upper  
248 100  
250 204.6 77.8 116.6#  
141 500.8 60.6 90.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 20

Delta R.T. -0.029 min

Lab File: BF141688.D

Acq: 19 Feb 2025 21:38

Instrument :

BNA\_F

ClientSampleId :

OU4-PCS-TC-13-021725

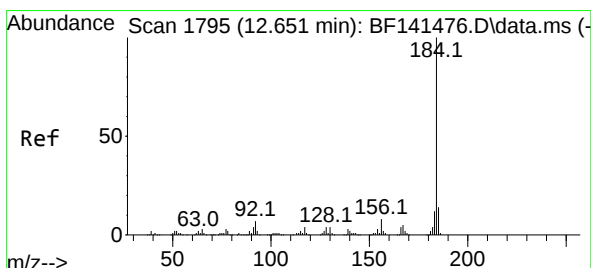
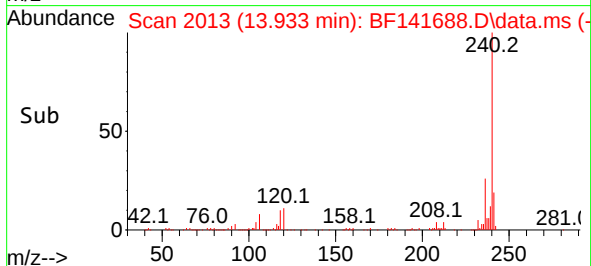
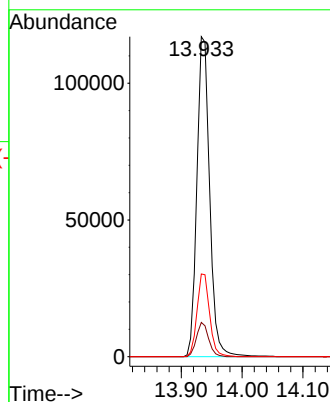
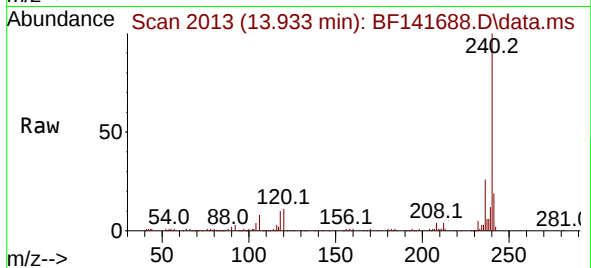
Tgt Ion:240 Resp: 170108

Ion Ratio Lower Upper

240 100

120 10.7 8.0 12.0

236 25.9 19.8 29.8



#77

Benzidine

Concen: 2.488 ng

RT: 12.880 min Scan# 1834

Delta R.T. 0.224 min

Lab File: BF141688.D

Acq: 19 Feb 2025 21:38

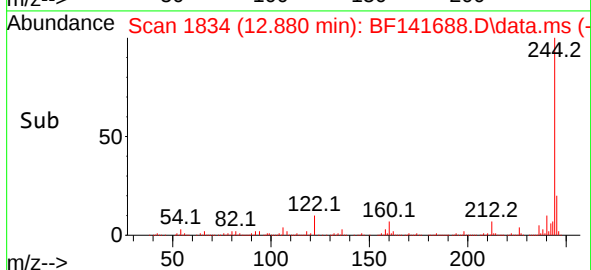
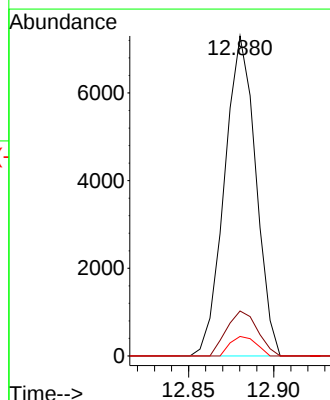
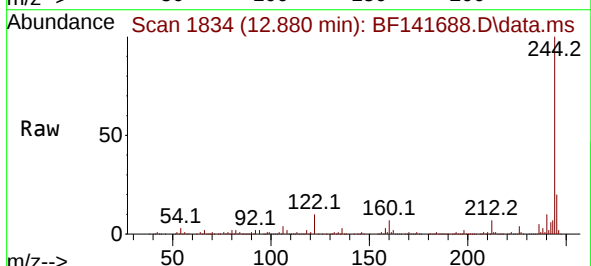
Tgt Ion:184 Resp: 9334

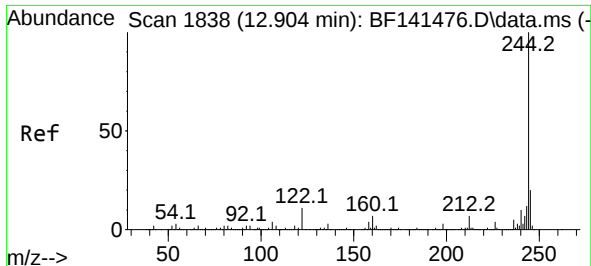
Ion Ratio Lower Upper

184 100

185 14.0 11.3 16.9

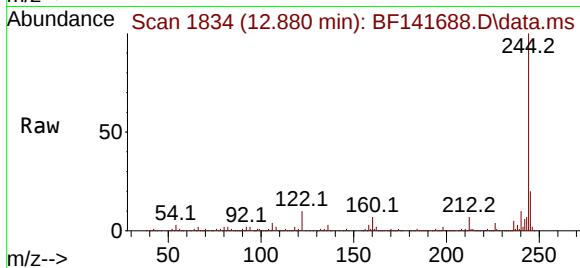
183 6.1 9.3 13.9#



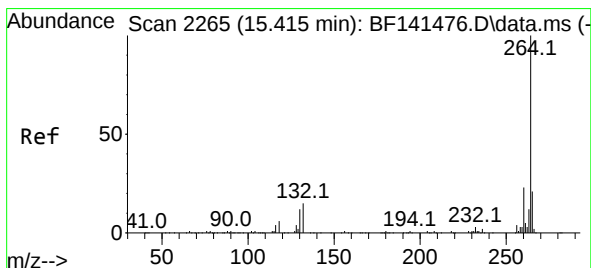
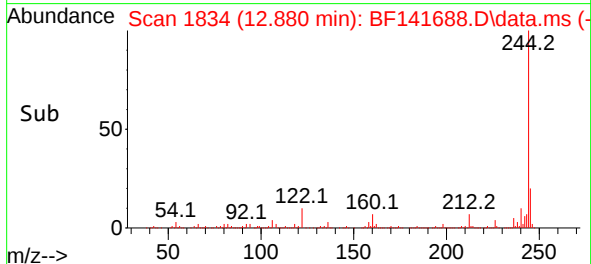
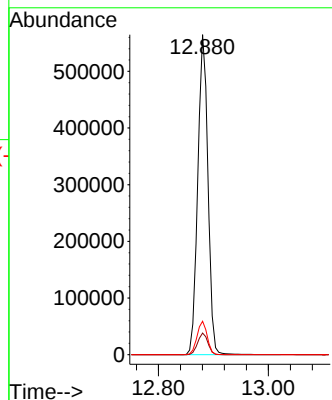


#79  
 Terphenyl-d14  
 Concen: 72.032 ng  
 RT: 12.880 min Scan# 11  
 Delta R.T. -0.024 min  
 Lab File: BF141688.D  
 Acq: 19 Feb 2025 21:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OU4-PCS-TC-13-021725



Tgt Ion:244 Resp: 725825  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.6 8.4  
 122 10.4 8.4 12.6



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.380 min Scan# 2259  
 Delta R.T. -0.035 min  
 Lab File: BF141688.D  
 Acq: 19 Feb 2025 21:38

Tgt Ion:264 Resp: 175024  
 Ion Ratio Lower Upper  
 264 100  
 260 22.9 18.6 28.0  
 265 21.6 17.0 25.4

