

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF021925\  
 Data File : BF141683.D  
 Acq On : 19 Feb 2025 19:11  
 Operator : RC/JU  
 Sample : Q1382-15  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OU4-PCS-TC-08-021725

Quant Time: Feb 20 00:13:06 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

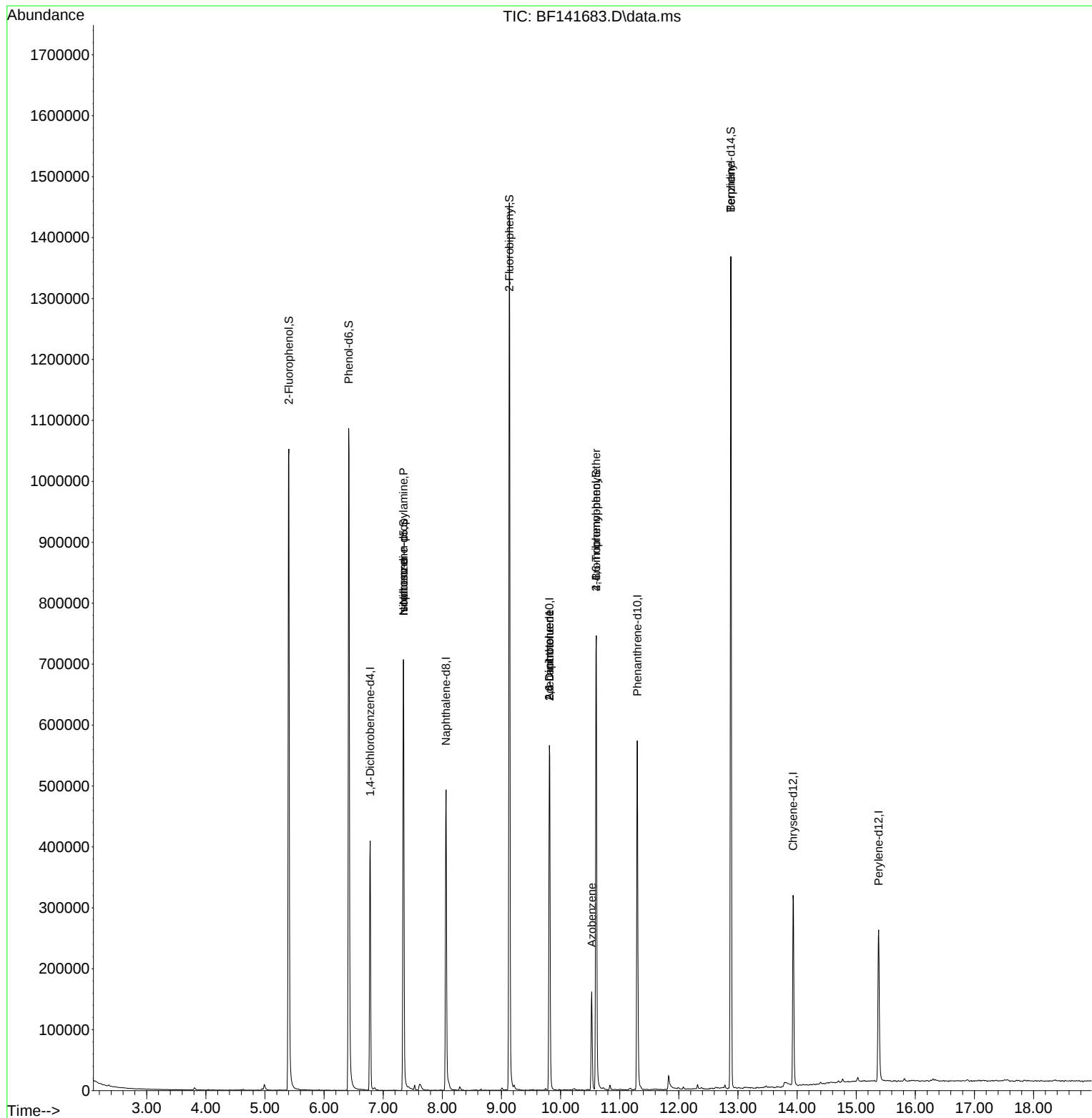
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.781  | 152  | 87174    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.063  | 136  | 346970   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.810  | 164  | 187452   | 20.000 | ng    | -0.02    |
| 64) Phenanthrene-d10          | 11.298 | 188  | 318001   | 20.000 | ng    | -0.02    |
| 76) Chrysene-d12              | 13.933 | 240  | 173041   | 20.000 | ng    | -0.03    |
| 86) Perylene-d12              | 15.380 | 264  | 160762   | 20.000 | ng    | -0.04    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.404  | 112  | 430277   | 77.381 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.416  | 99   | 527752   | 75.093 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 340980   | 51.258 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.604 | 330  | 130072   | 69.076 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 9.133  | 172  | 655146   | 53.846 | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.880 | 244  | 671025   | 65.465 | ng    | -0.02    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.345  | 70   | 45463    | 10.815 | ng    | # 73     |
| 25) Isophorone                | 7.345  | 82   | 333362   | 31.429 | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.810  | 165  | 24121    | 8.671  | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.810  | 165  | 24122    | 6.513  | ng    | # 18     |
| 63) Azobenzene                | 10.528 | 77   | 43707    | 3.511  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.604 | 248  | 8647     | 2.433  | ng    | # 1      |
| 77) Benzidine                 | 12.880 | 184  | 8295     | 2.174  | ng    | # 92     |
| -----                         |        |      |          |        |       |          |

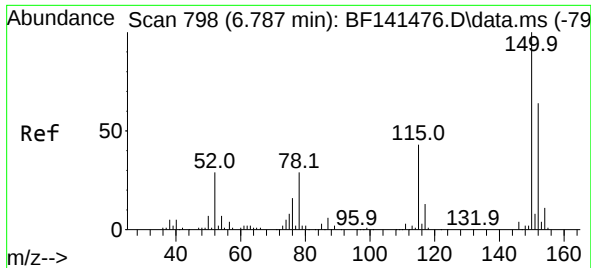
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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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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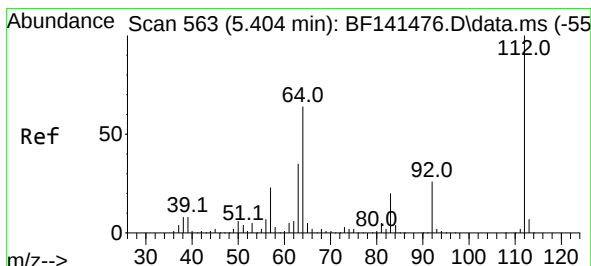
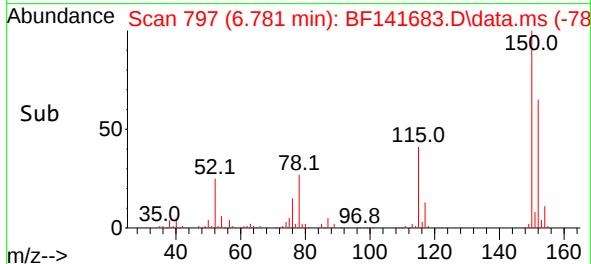
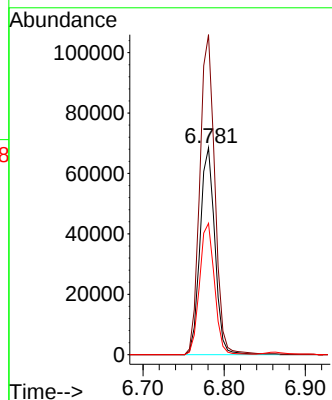
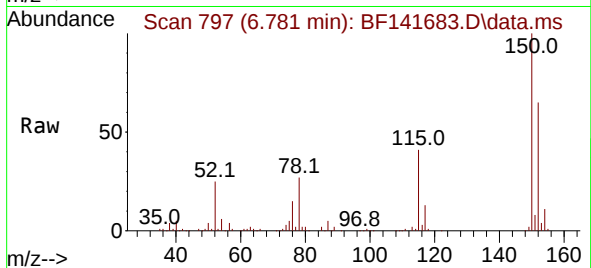




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.781 min Scan# 798  
Delta R.T. -0.011 min  
Lab File: BF141683.D  
Acq: 19 Feb 2025 19:11

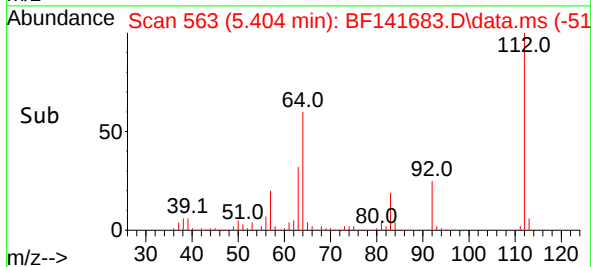
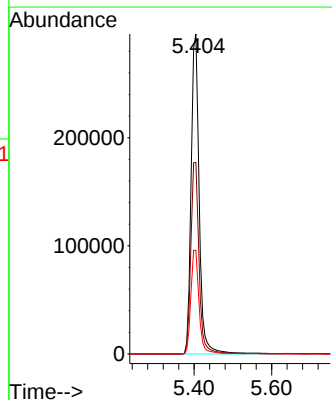
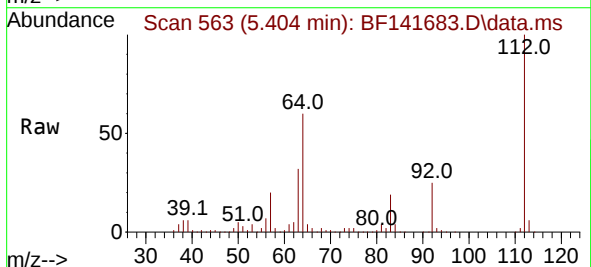
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-PCS-TC-08-021725

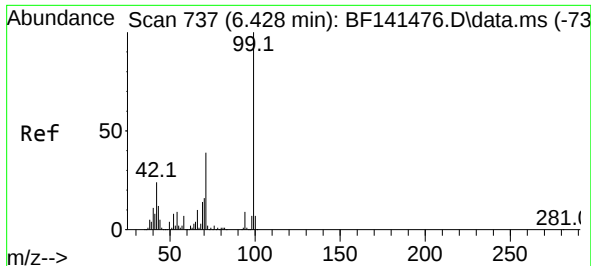
Tgt Ion:152 Resp: 87174  
Ion Ratio Lower Upper  
152 100  
150 154.7 125.0 187.4  
115 63.5 53.6 80.4



#5  
2-Fluorophenol  
Concen: 77.381 ng  
RT: 5.404 min Scan# 563  
Delta R.T. -0.006 min  
Lab File: BF141683.D  
Acq: 19 Feb 2025 19:11

Tgt Ion:112 Resp: 430277  
Ion Ratio Lower Upper  
112 100  
64 59.8 51.1 76.7  
63 32.4 28.4 42.6

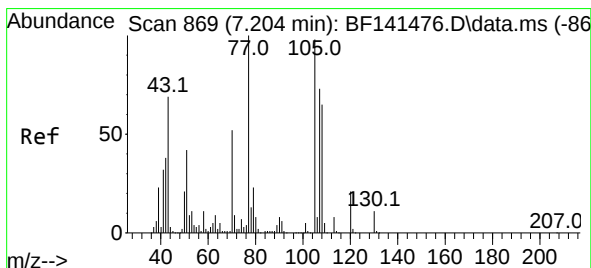
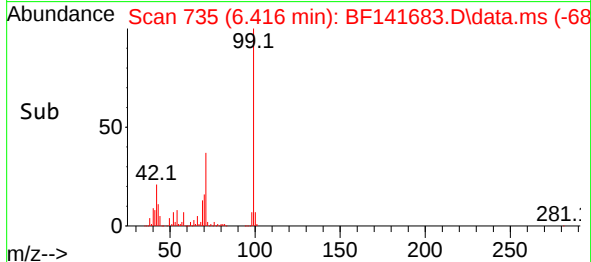
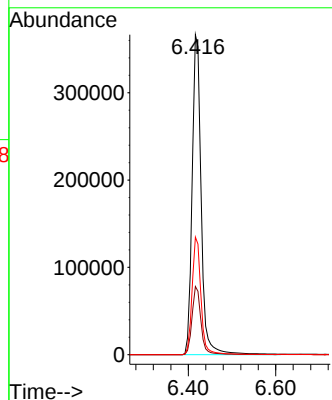
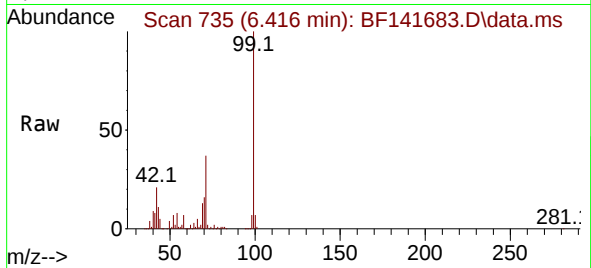




#7  
Phenol-d6  
Concen: 75.093 ng  
RT: 6.416 min Scan# 71  
Delta R.T. -0.023 min  
Lab File: BF141683.D  
Acq: 19 Feb 2025 19:11

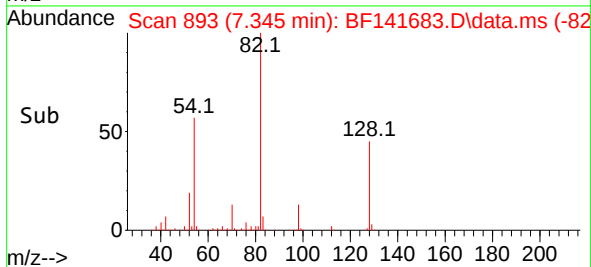
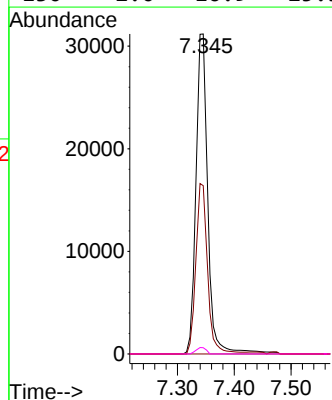
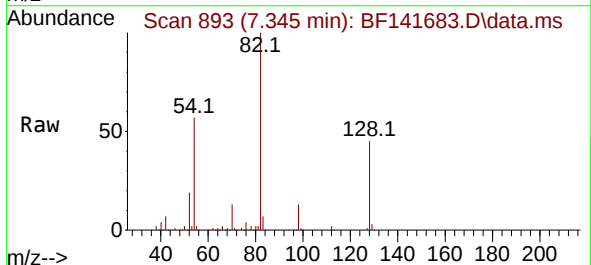
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-PCS-TC-08-021725

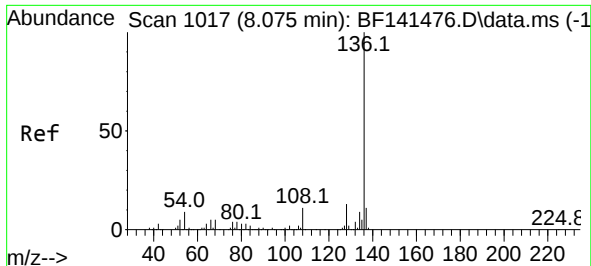
Tgt Ion: 99 Resp: 527752  
Ion Ratio Lower Upper  
99 100  
42 21.3 19.1 28.7  
71 36.8 31.1 46.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 10.815 ng  
RT: 7.345 min Scan# 893  
Delta R.T. 0.130 min  
Lab File: BF141683.D  
Acq: 19 Feb 2025 19:11

Tgt Ion: 70 Resp: 45463  
Ion Ratio Lower Upper  
70 100  
42 52.6 57.4 86.2#  
101 0.0 8.0 12.0#  
130 2.0 16.9 25.3#

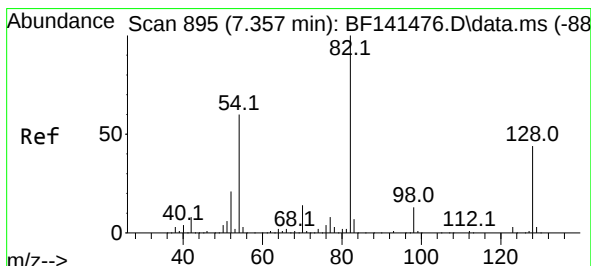
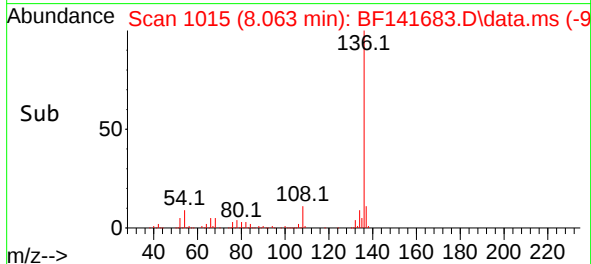
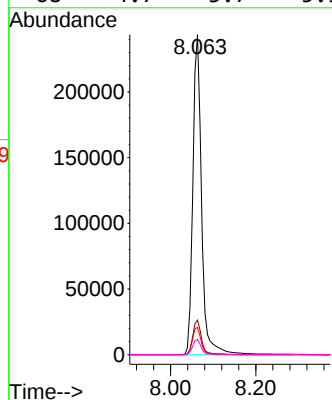
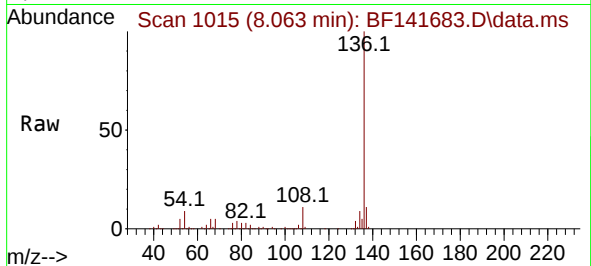




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.063 min Scan# 1017  
Delta R.T. -0.012 min  
Lab File: BF141683.D  
Acq: 19 Feb 2025 19:11

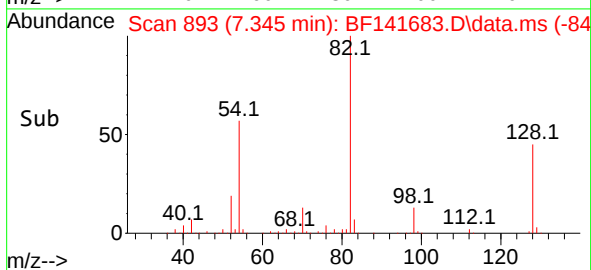
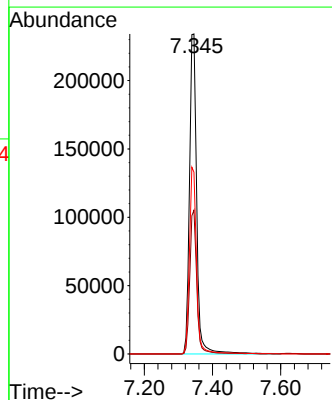
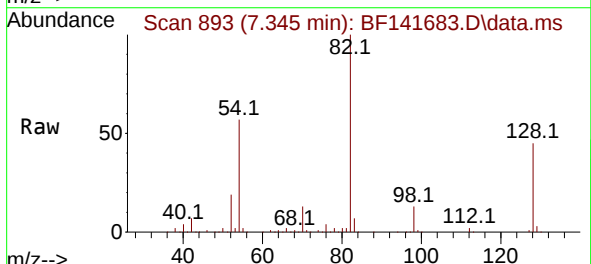
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-PCS-TC-08-021725

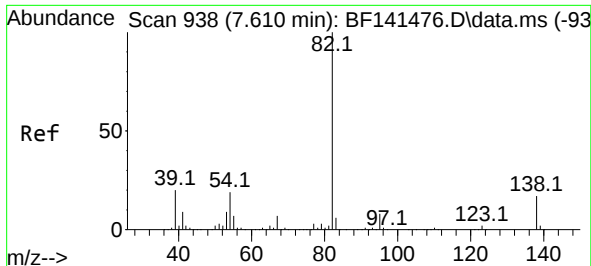
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:136 | Resp: | 346970 |
| Ion | Ratio   | Lower | Upper  |
| 136 | 100     |       |        |
| 137 | 10.8    | 8.6   | 13.0   |
| 54  | 8.6     | 7.2   | 10.8   |
| 68  | 4.7     | 3.7   | 5.5    |



#23  
Nitrobenzene-d5  
Concen: 51.258 ng  
RT: 7.345 min Scan# 893  
Delta R.T. -0.018 min  
Lab File: BF141683.D  
Acq: 19 Feb 2025 19:11

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 340980 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 44.9    | 34.8 52.2    |
| 54 56.8     | 48.2 72.4    |

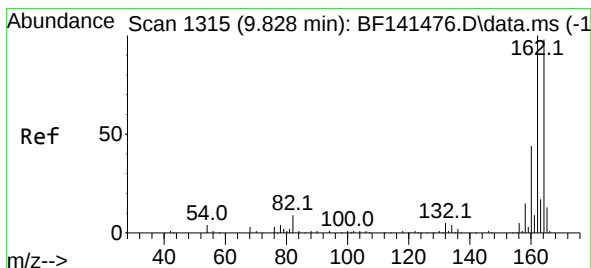
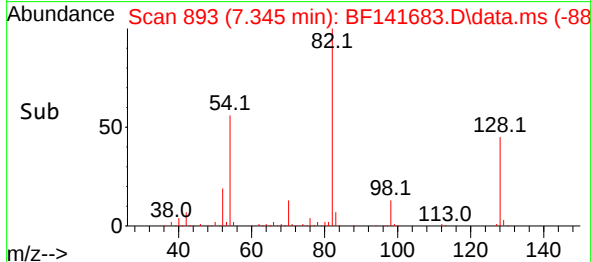
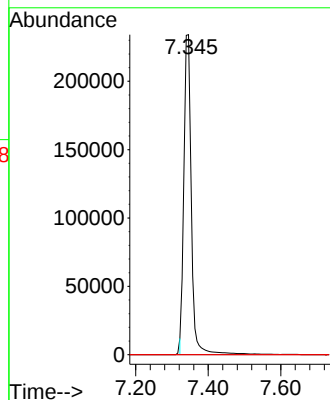
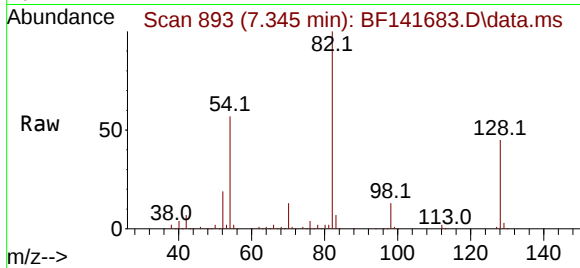




#25  
Isophorone  
Concen: 31.429 ng  
RT: 7.345 min Scan# 89  
Delta R.T. -0.276 min  
Lab File: BF141683.D  
Acq: 19 Feb 2025 19:11

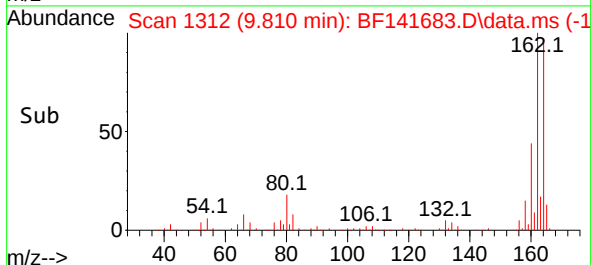
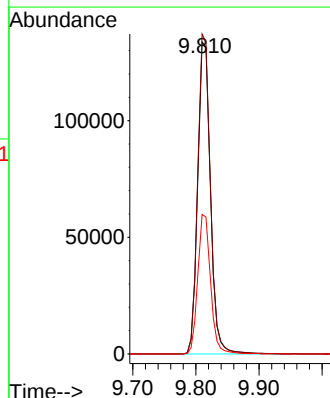
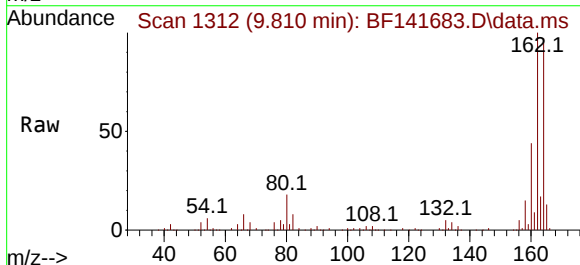
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-PCS-TC-08-021725

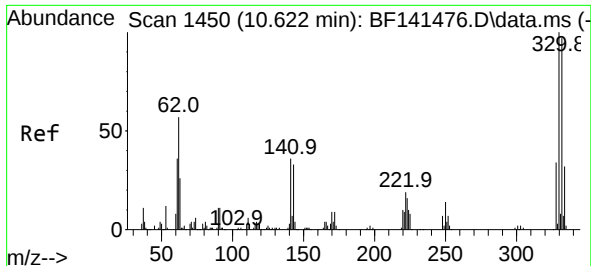
Tgt Ion: 82 Resp: 333362  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.4 9.6#  
138 0.0 13.9 20.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.810 min Scan# 1312  
Delta R.T. -0.023 min  
Lab File: BF141683.D  
Acq: 19 Feb 2025 19:11

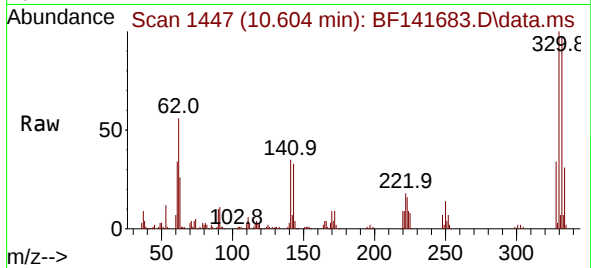
Tgt Ion:164 Resp: 187452  
Ion Ratio Lower Upper  
164 100  
162 102.6 81.3 121.9  
160 44.7 35.9 53.9



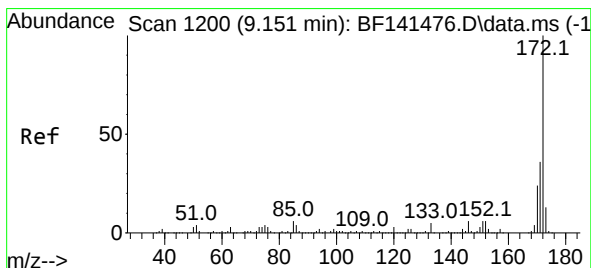
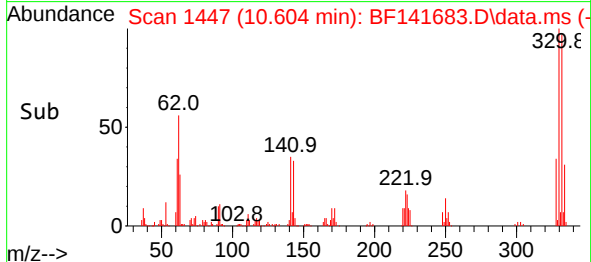
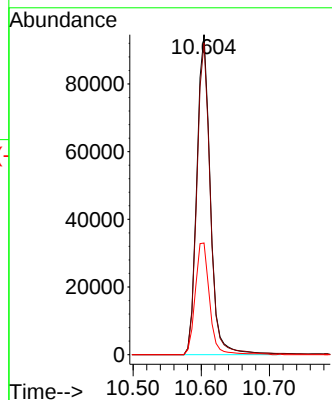


#42  
 2,4,6-Tribromophenol  
 Concen: 69.076 ng  
 RT: 10.604 min Scan# 1447  
 Delta R.T. -0.023 min  
 Lab File: BF141683.D  
 Acq: 19 Feb 2025 19:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OU4-PCS-TC-08-021725

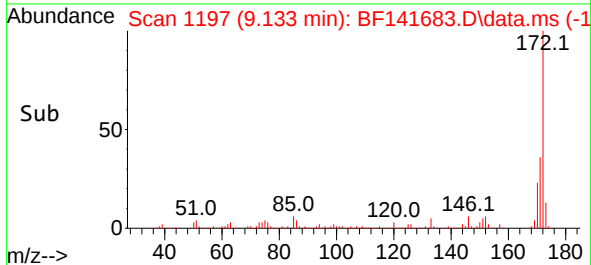
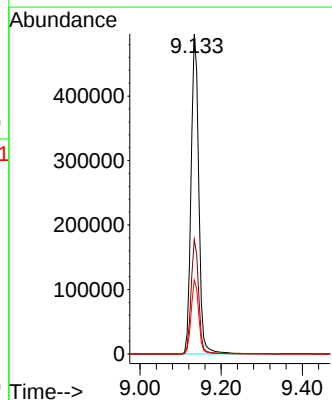
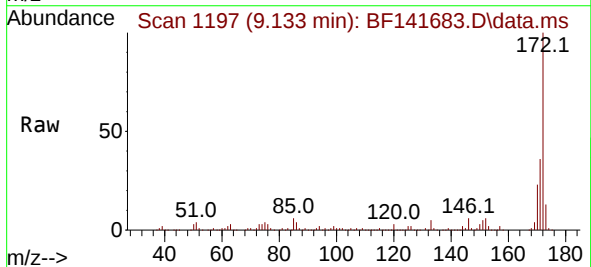


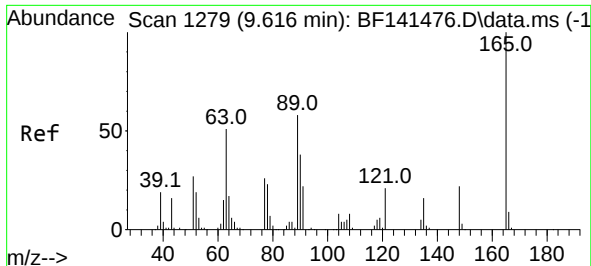
Tgt Ion: 330 Resp: 130072  
 Ion Ratio Lower Upper  
 330 100  
 332 97.8 78.5 117.7  
 141 36.8 31.0 46.4



#45  
 2-Fluorobiphenyl  
 Concen: 53.846 ng  
 RT: 9.133 min Scan# 1197  
 Delta R.T. -0.018 min  
 Lab File: BF141683.D  
 Acq: 19 Feb 2025 19:11

Tgt Ion: 172 Resp: 655146  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 28.7 43.1  
 170 23.1 18.9 28.3

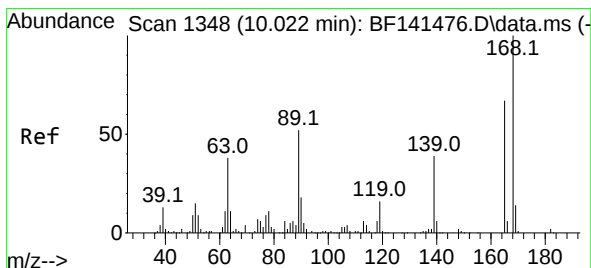
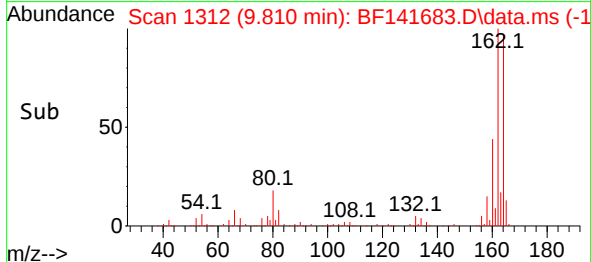
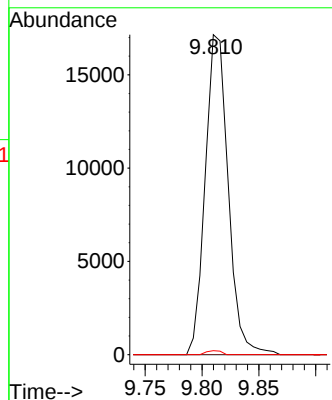
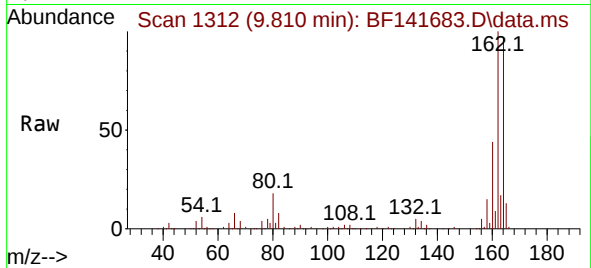




#51  
2,6-Dinitrotoluene  
Concen: 8.671 ng  
RT: 9.810 min Scan# 11  
Delta R.T. 0.188 min  
Lab File: BF141683.D  
Acq: 19 Feb 2025 19:11

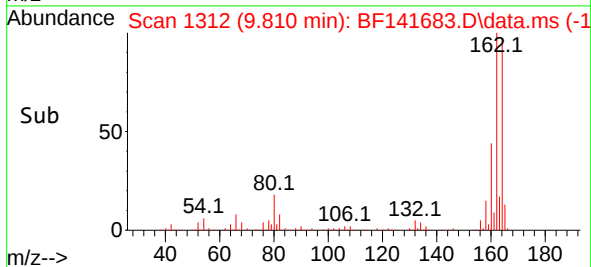
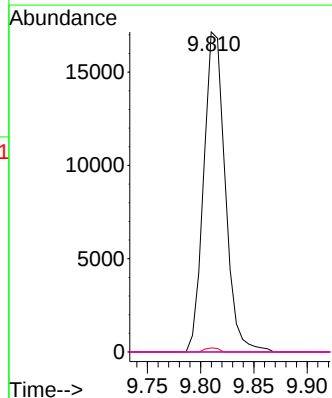
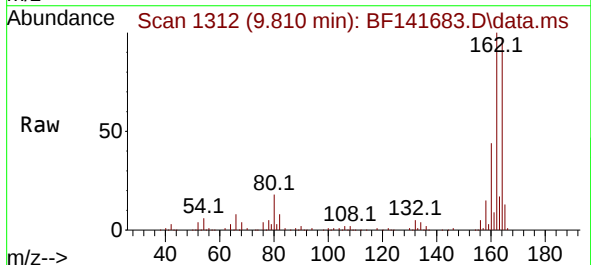
Instrument :  
BNA\_F  
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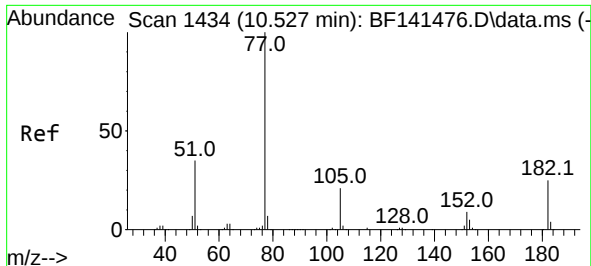
Tgt Ion:165 Resp: 24121  
Ion Ratio Lower Upper  
165 100  
63 0.0 49.4 74.0#  
89 1.2 46.5 69.7#



#57  
2,4-Dinitrotoluene  
Concen: 6.513 ng  
RT: 9.810 min Scan# 1312  
Delta R.T. -0.218 min  
Lab File: BF141683.D  
Acq: 19 Feb 2025 19:11

Tgt Ion:165 Resp: 24122  
Ion Ratio Lower Upper  
165 100  
63 0.0 46.4 69.6#  
89 1.2 61.8 92.6#  
182 0.0 2.2 3.2#

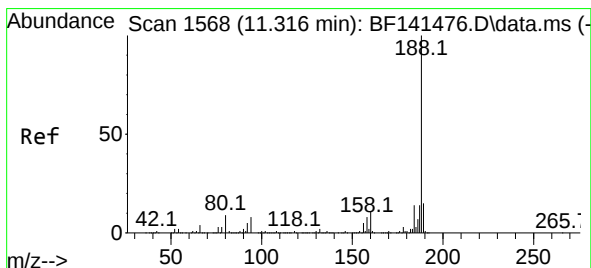
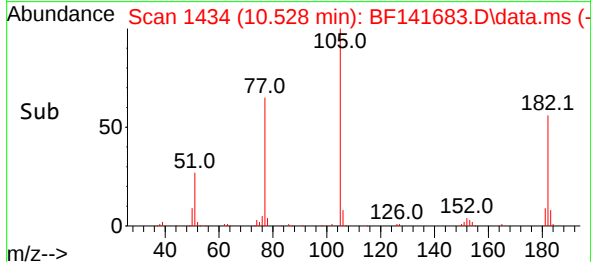
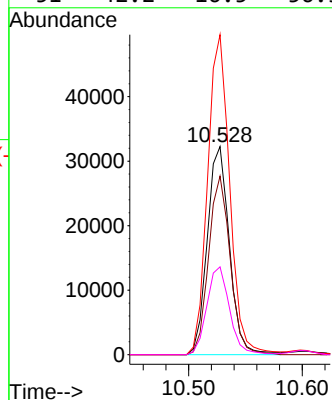
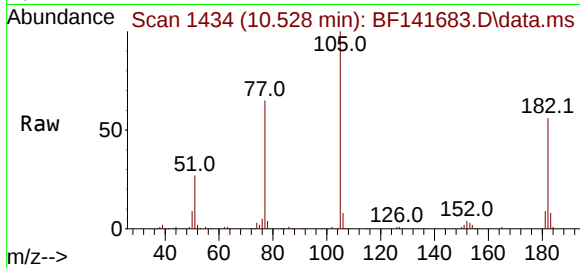




#63  
 Azobenzene  
 Concen: 3.511 ng  
 RT: 10.528 min Scan# 1434  
 Delta R.T. -0.006 min  
 Lab File: BF141683.D  
 Acq: 19 Feb 2025 19:11

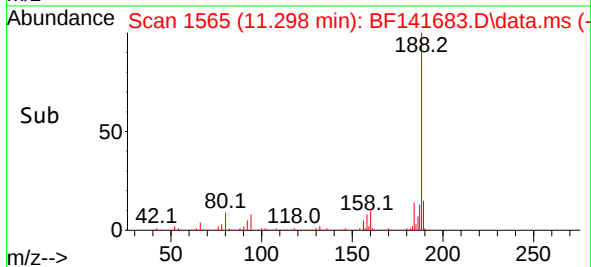
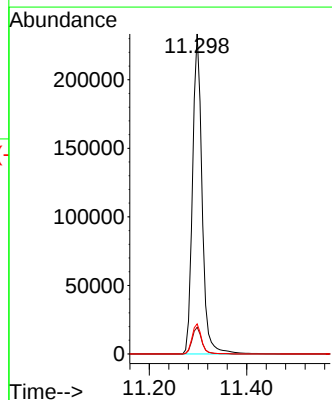
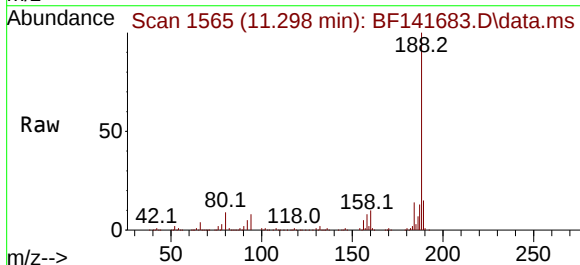
Instrument :  
 BNA\_F  
 ClientSampleId :  
 OU4-PCS-TC-08-021725

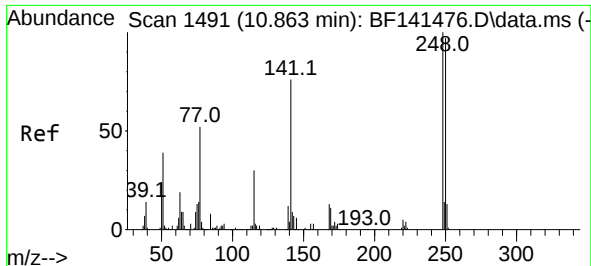
|             |                 |
|-------------|-----------------|
| Tgt Ion: 77 | Resp: 43707     |
| Ion Ratio   | Lower Upper     |
| 77          | 100             |
| 182         | 85.8 4.7 44.7#  |
| 105         | 153.7 0.4 40.4# |
| 51          | 42.2 16.5 56.5  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.298 min Scan# 1565  
 Delta R.T. -0.018 min  
 Lab File: BF141683.D  
 Acq: 19 Feb 2025 19:11

|              |              |
|--------------|--------------|
| Tgt Ion: 188 | Resp: 318001 |
| Ion Ratio    | Lower Upper  |
| 188          | 100          |
| 94           | 8.4 6.6 10.0 |
| 80           | 9.4 7.3 10.9 |

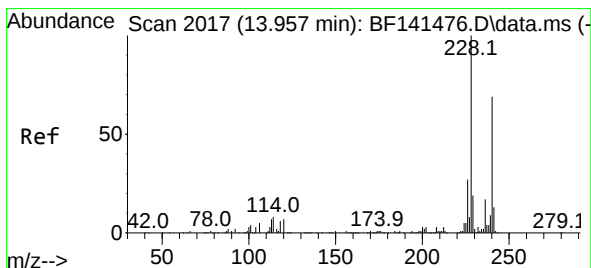
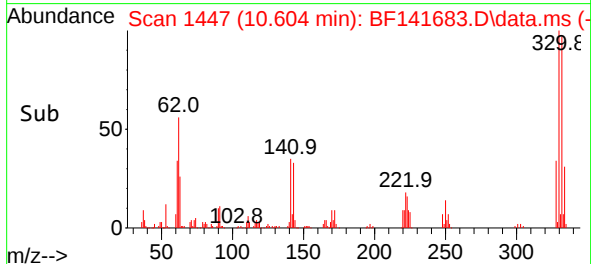
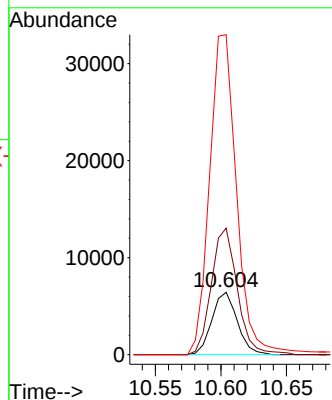
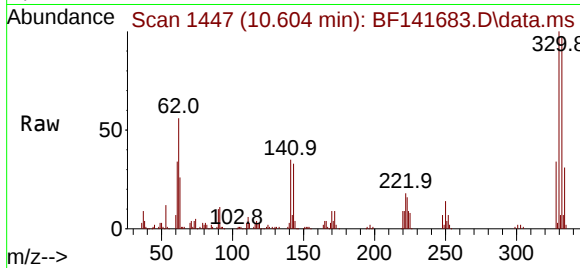




#67  
4-Bromophenyl-phenylether  
Concen: 2.433 ng  
RT: 10.604 min Scan# 1491  
Delta R.T. -0.259 min  
Lab File: BF141683.D  
Acq: 19 Feb 2025 19:11

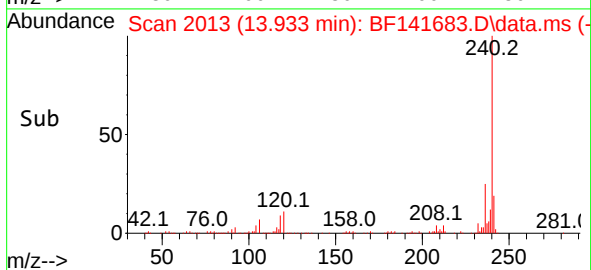
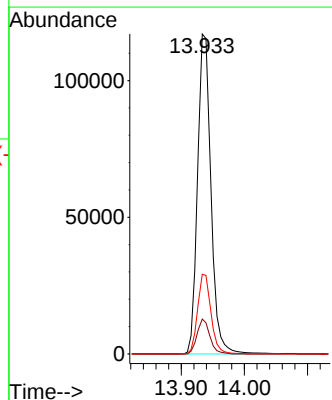
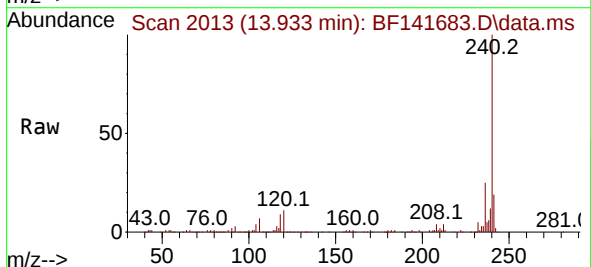
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-PCS-TC-08-021725

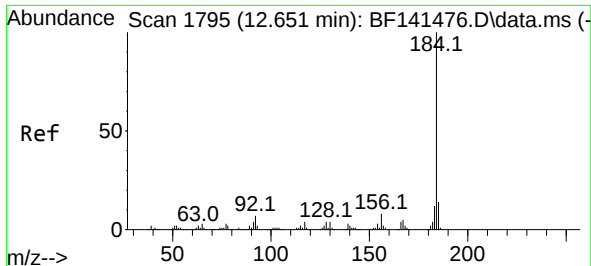
Tgt Ion:248 Resp: 8647  
Ion Ratio Lower Upper  
248 100  
250 202.6 77.8 116.6#  
141 512.2 60.6 90.8#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.933 min Scan# 2013  
Delta R.T. -0.029 min  
Lab File: BF141683.D  
Acq: 19 Feb 2025 19:11

Tgt Ion:240 Resp: 173041  
Ion Ratio Lower Upper  
240 100  
120 10.9 8.0 12.0  
236 24.9 19.8 29.8

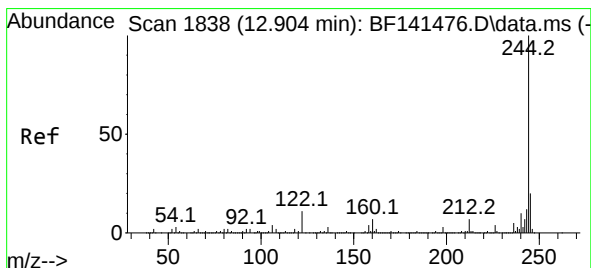
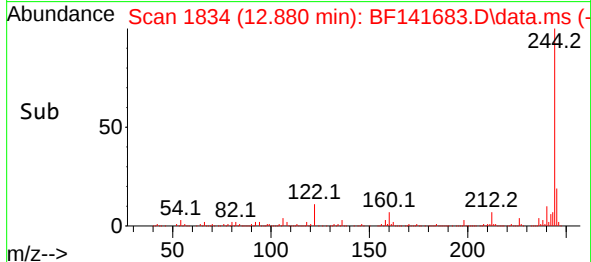
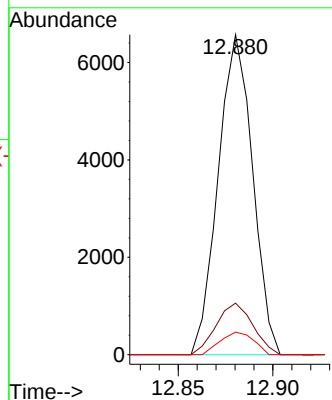
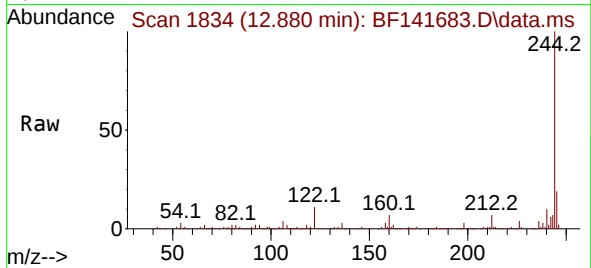




#77  
Benzidine  
Concen: 2.174 ng  
RT: 12.880 min Scan# 1834  
Delta R.T. 0.224 min  
Lab File: BF141683.D  
Acq: 19 Feb 2025 19:11

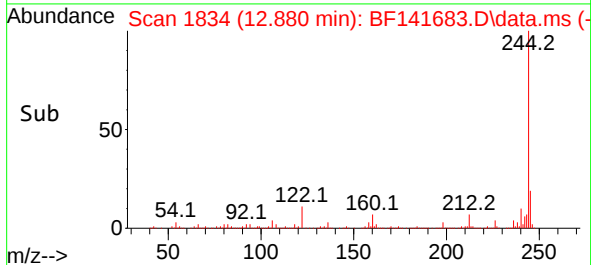
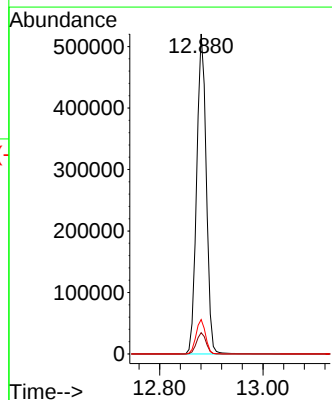
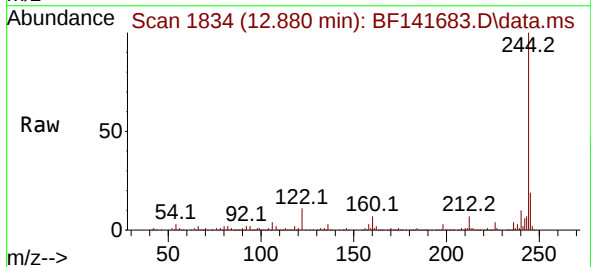
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-PCS-TC-08-021725

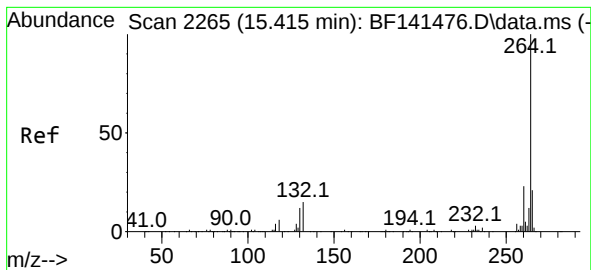
Tgt Ion:184 Resp: 8295  
Ion Ratio Lower Upper  
184 100  
185 16.1 11.3 16.9  
183 7.1 9.3 13.9#



#79  
Terphenyl-d14  
Concen: 65.465 ng  
RT: 12.880 min Scan# 1834  
Delta R.T. -0.023 min  
Lab File: BF141683.D  
Acq: 19 Feb 2025 19:11

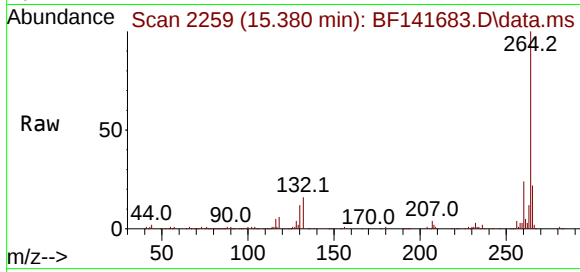
Tgt Ion:244 Resp: 671025  
Ion Ratio Lower Upper  
244 100  
212 6.6 5.6 8.4  
122 10.7 8.4 12.6





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.380 min Scan# 21  
Delta R.T. -0.035 min  
Lab File: BF141683.D  
Acq: 19 Feb 2025 19:11

Instrument :  
BNA\_F  
ClientSampleId :  
OU4-PCS-TC-08-021725



Tgt Ion:264 Resp: 160762  
Ion Ratio Lower Upper  
264 100  
260 23.6 18.6 28.0  
265 21.7 17.0 25.4

