

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF021925\  
 Data File : BF141676.D  
 Acq On : 19 Feb 2025 15:45  
 Operator : RC/JU  
 Sample : Q1382-05  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OU4-PCS-TC-03-021725

Quant Time: Feb 19 16:08:38 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

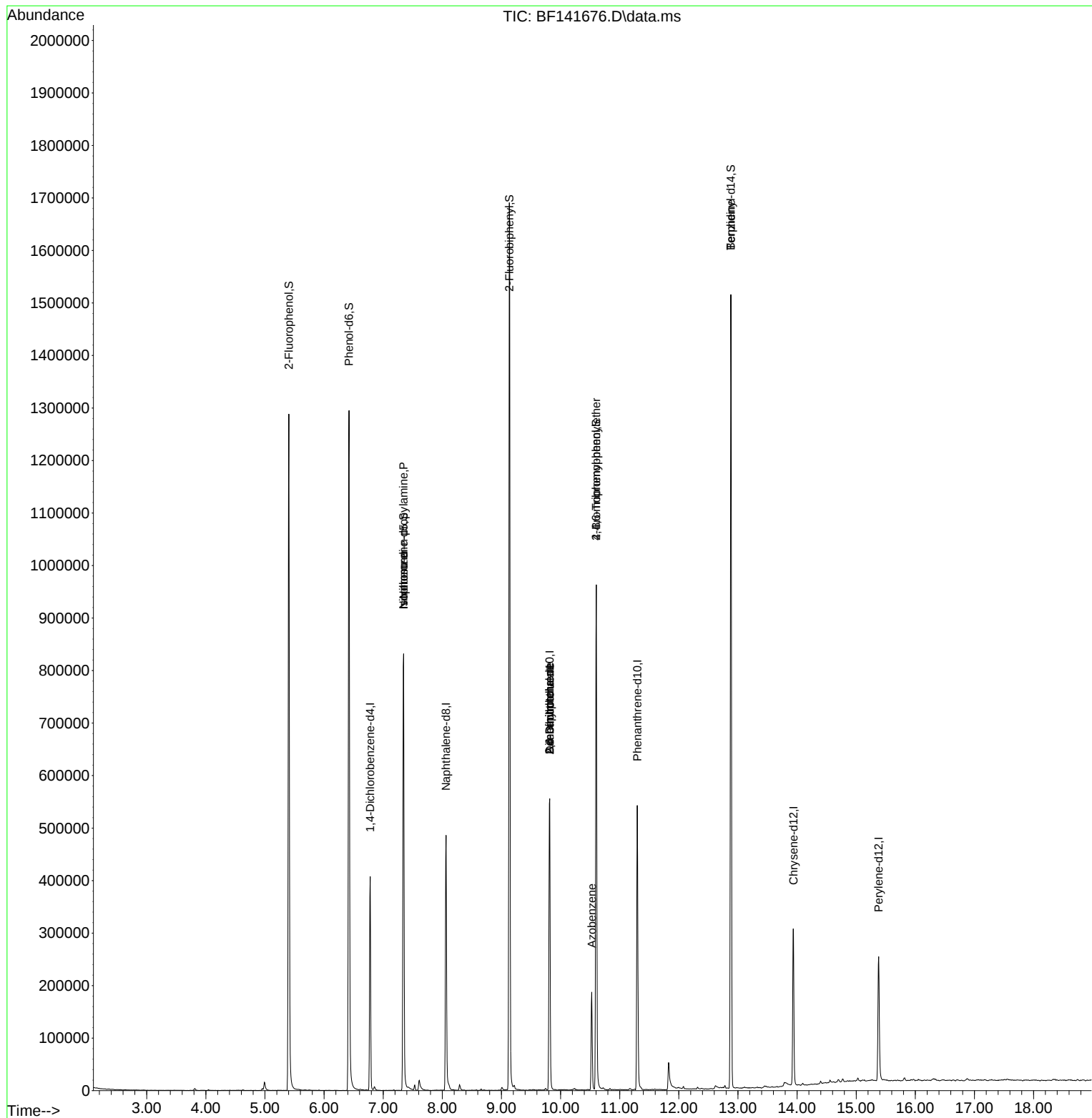
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.781  | 152  | 85261    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.063  | 136  | 338240   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.816  | 164  | 180374   | 20.000 | ng    | -0.02    |
| 64) Phenanthrene-d10          | 11.298 | 188  | 300038   | 20.000 | ng    | -0.02    |
| 76) Chrysene-d12              | 13.939 | 240  | 162405   | 20.000 | ng    | -0.02    |
| 86) Perylene-d12              | 15.380 | 264  | 150976   | 20.000 | ng    | -0.04    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.404  | 112  | 492518   | 90.562 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.422  | 99   | 607378   | 88.362 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 395440   | 60.979 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.604 | 330  | 158831   | 87.658 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 9.133  | 172  | 767983   | 65.596 | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.880 | 244  | 748368   | 77.792 | ng    | -0.02    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.345  | 70   | 52850    | 12.854 | ng    | # 74     |
| 25) Isophorone                | 7.345  | 82   | 385791   | 37.311 | ng    | # 66     |
| 50) Dimethylphthalate         | 9.816  | 163  | 27980    | 2.285  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.816  | 165  | 23022    | 8.600  | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.816  | 165  | 23022    | 6.460  | ng    | # 18     |
| 63) Azobenzene                | 10.528 | 77   | 47152    | 3.937  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.604 | 248  | 10734    | 3.201  | ng    | # 1      |
| 77) Benzidine                 | 12.880 | 184  | 9494     | 2.651  | ng    | # 91     |
| -----                         |        |      |          |        |       |          |

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

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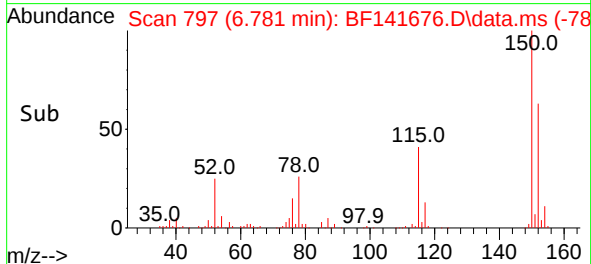
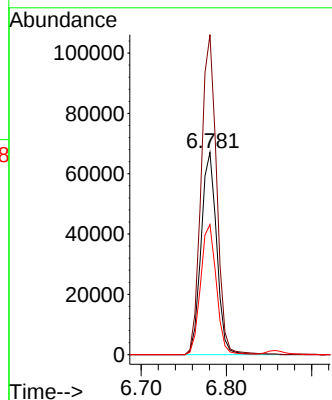
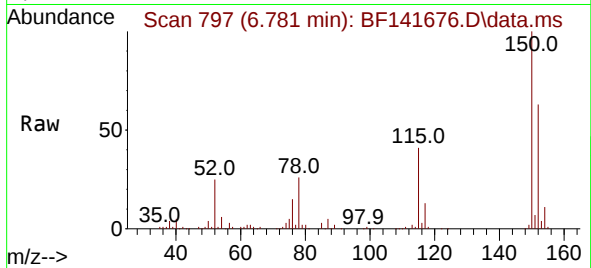




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.781 min Scan# 798  
Delta R.T. -0.011 min  
Lab File: BF141676.D  
Acq: 19 Feb 2025 15:45

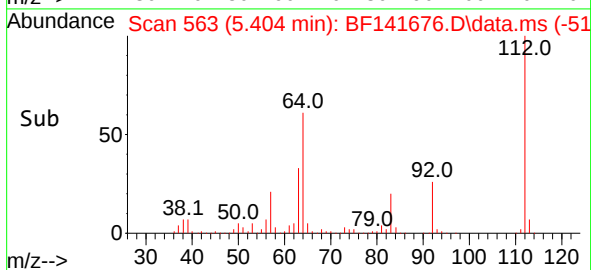
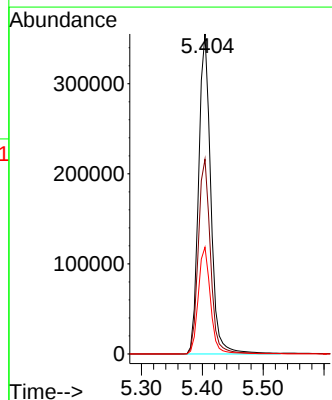
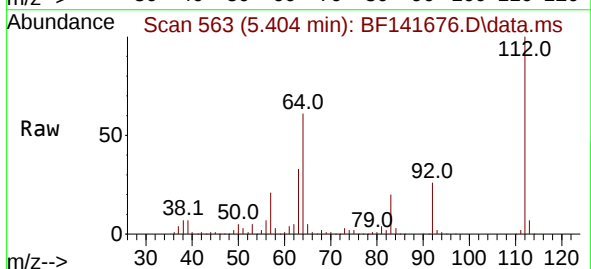
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-PCS-TC-03-021725

Tgt Ion:152 Resp: 85261  
Ion Ratio Lower Upper  
152 100  
150 158.2 125.0 187.4  
115 64.3 53.6 80.4



#5  
2-Fluorophenol  
Concen: 90.562 ng  
RT: 5.404 min Scan# 563  
Delta R.T. -0.006 min  
Lab File: BF141676.D  
Acq: 19 Feb 2025 15:45

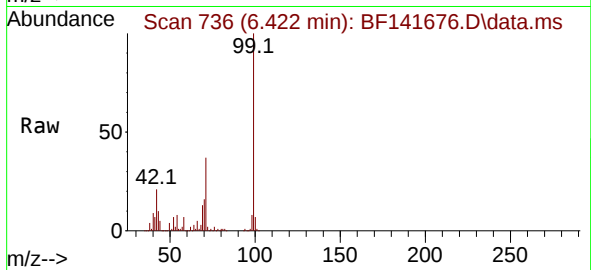
Tgt Ion:112 Resp: 492518  
Ion Ratio Lower Upper  
112 100  
64 60.9 51.1 76.7  
63 33.3 28.4 42.6





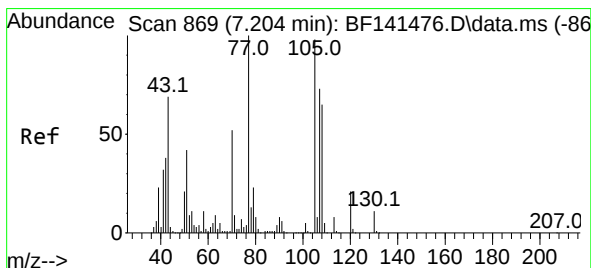
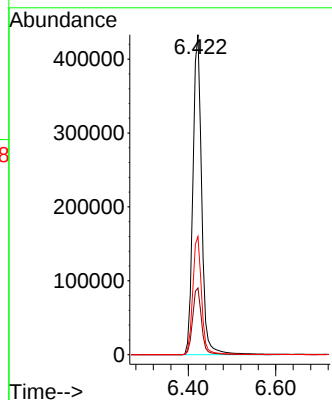
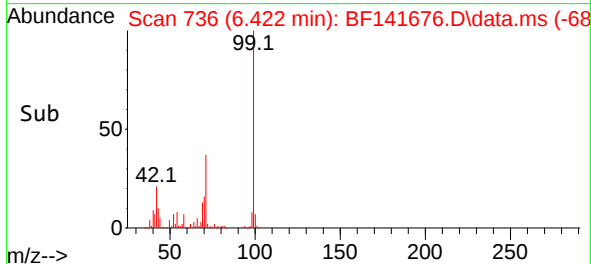
#7  
 Phenol-d6  
 Concen: 88.362 ng  
 RT: 6.422 min Scan# 71  
 Delta R.T. -0.018 min  
 Lab File: BF141676.D  
 Acq: 19 Feb 2025 15:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OU4-PCS-TC-03-021725

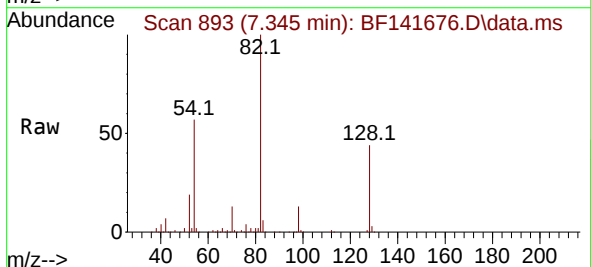


Tgt Ion: 99 Resp: 607378

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.9  | 19.1  | 28.7  |
| 71  | 36.9  | 31.1  | 46.7  |

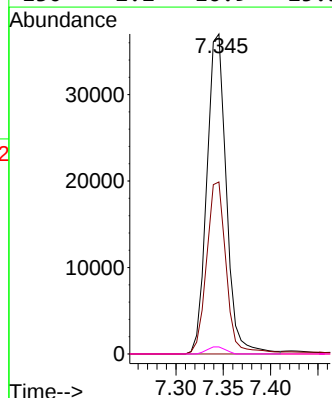
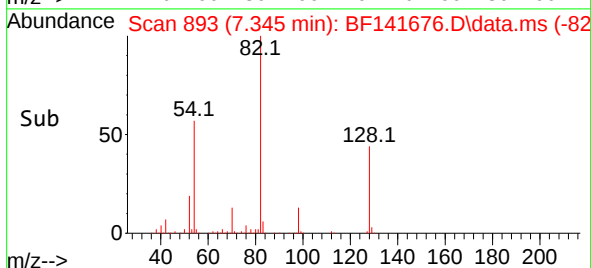


#19  
 n-Nitroso-di-n-propylamine  
 Concen: 12.854 ng  
 RT: 7.345 min Scan# 893  
 Delta R.T. 0.130 min  
 Lab File: BF141676.D  
 Acq: 19 Feb 2025 15:45



Tgt Ion: 70 Resp: 52850

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 53.7  | 57.4  | 86.2# |
| 101 | 0.0   | 8.0   | 12.0# |
| 130 | 2.2   | 16.9  | 25.3# |

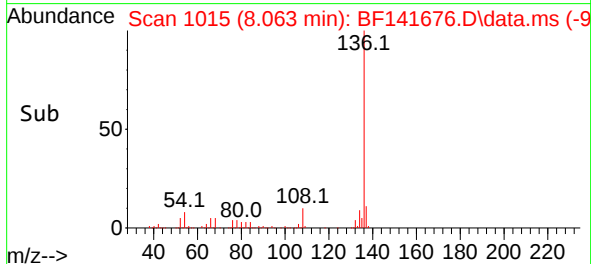
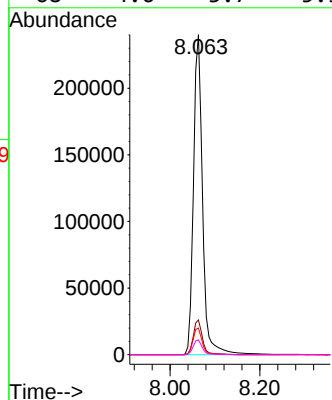
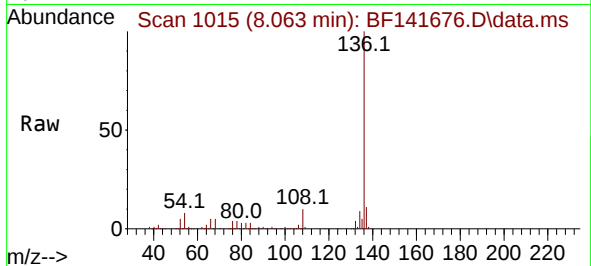




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.063 min Scan# 1015  
Delta R.T. -0.012 min  
Lab File: BF141676.D  
Acq: 19 Feb 2025 15:45

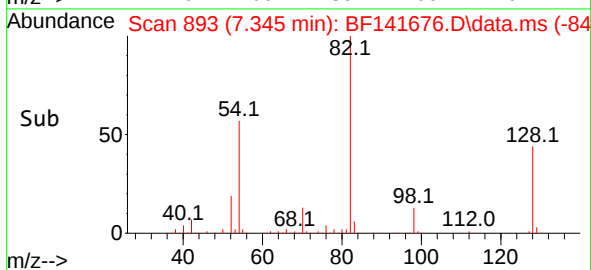
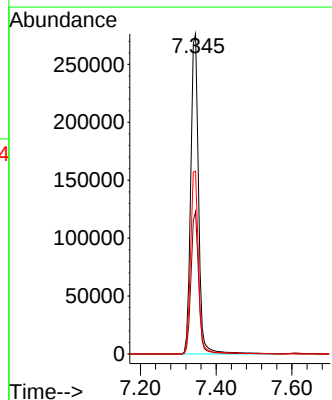
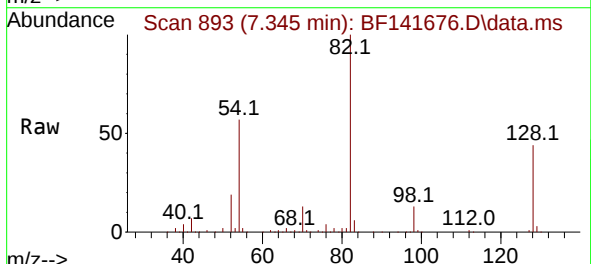
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-PCS-TC-03-021725

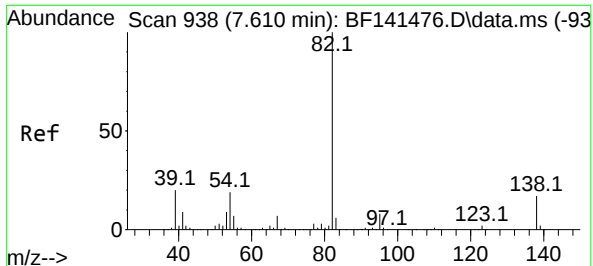
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 338240 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.6   | 13.0   |
| 54       | 8.3   | 7.2   | 10.8   |
| 68       | 4.6   | 3.7   | 5.5    |



#23  
Nitrobenzene-d5  
Concen: 60.979 ng  
RT: 7.345 min Scan# 893  
Delta R.T. -0.018 min  
Lab File: BF141676.D  
Acq: 19 Feb 2025 15:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 395440 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 44.5  | 34.8  | 52.2   |
| 54       | 57.1  | 48.2  | 72.4   |

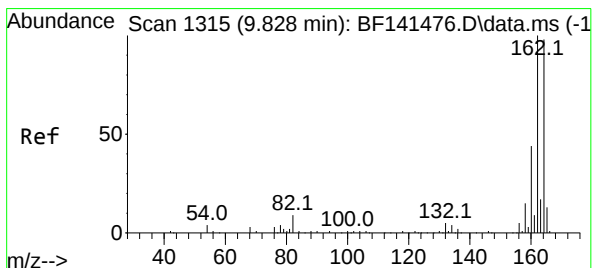
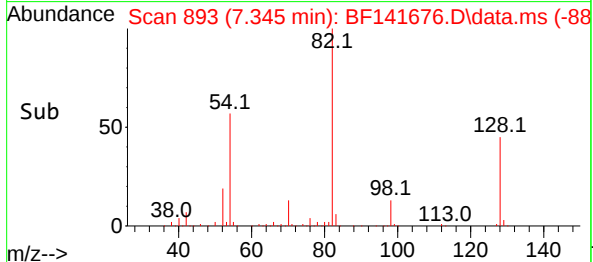
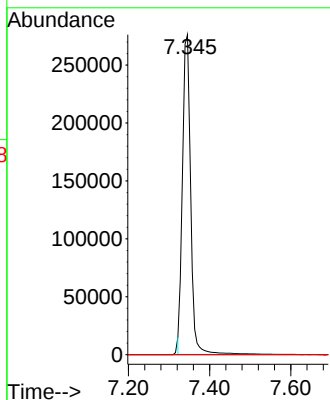
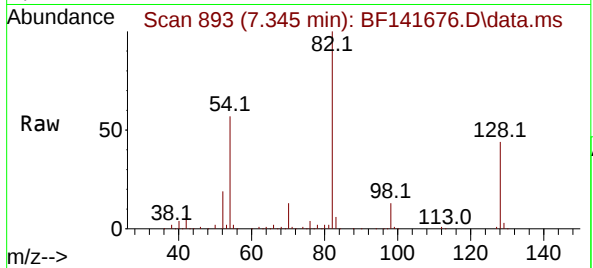




#25  
Isophorone  
Concen: 37.311 ng  
RT: 7.345 min Scan# 89  
Delta R.T. -0.276 min  
Lab File: BF141676.D  
Acq: 19 Feb 2025 15:45

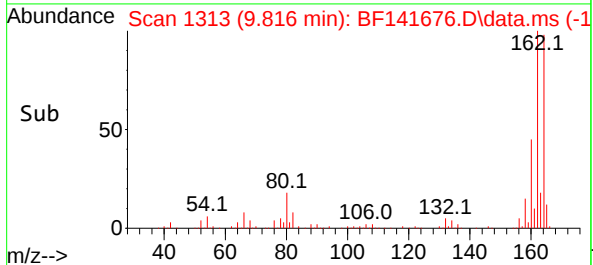
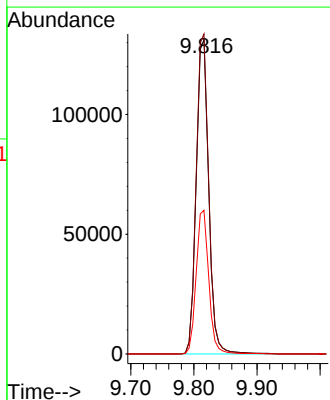
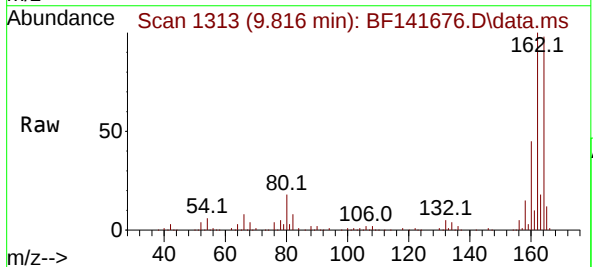
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-PCS-TC-03-021725

Tgt Ion: 82 Resp: 385791  
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: BF141676.D  
Acq: 19 Feb 2025 15:45

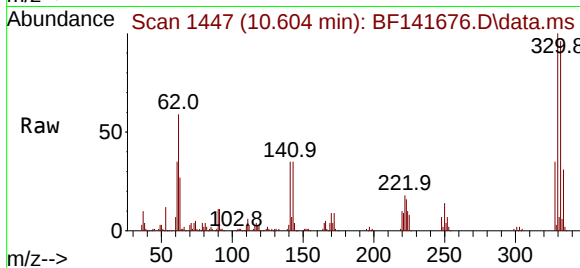
Tgt Ion:164 Resp: 180374  
Ion Ratio Lower Upper  
164 100  
162 101.8 81.3 121.9  
160 45.7 35.9 53.9



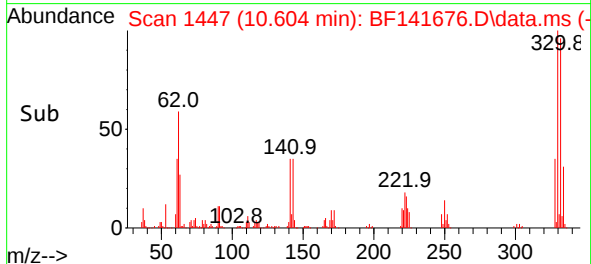
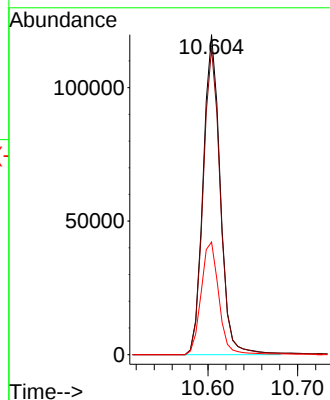


#42  
 2,4,6-Tribromophenol  
 Concen: 87.658 ng  
 RT: 10.604 min Scan# 1447  
 Delta R.T. -0.023 min  
 Lab File: BF141676.D  
 Acq: 19 Feb 2025 15:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OU4-PCS-TC-03-021725

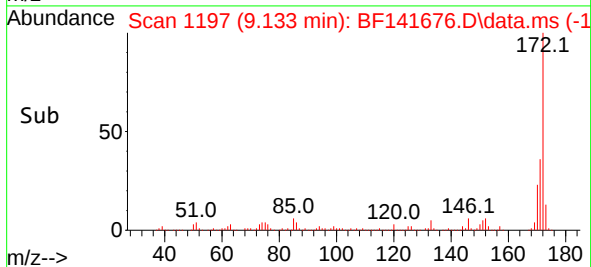
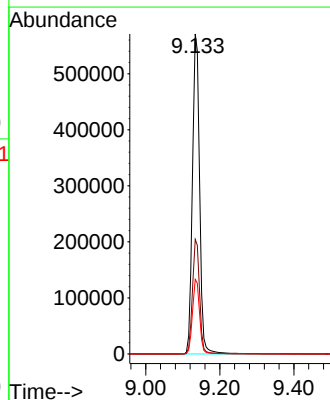
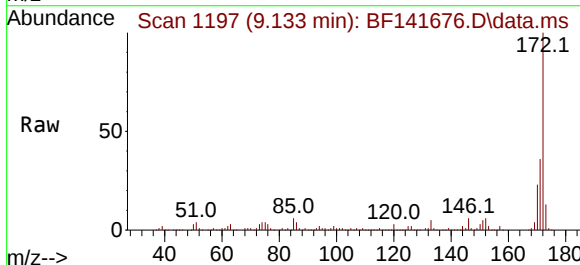


Tgt Ion:330 Resp: 158831  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 78.5 117.7  
 141 36.8 31.0 46.4



#45  
 2-Fluorobiphenyl  
 Concen: 65.596 ng  
 RT: 9.133 min Scan# 1197  
 Delta R.T. -0.018 min  
 Lab File: BF141676.D  
 Acq: 19 Feb 2025 15:45

Tgt Ion:172 Resp: 767983  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 28.7 43.1  
 170 23.3 18.9 28.3

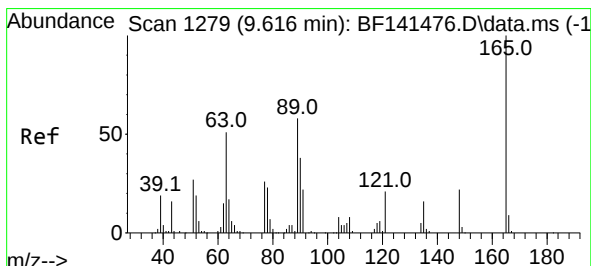
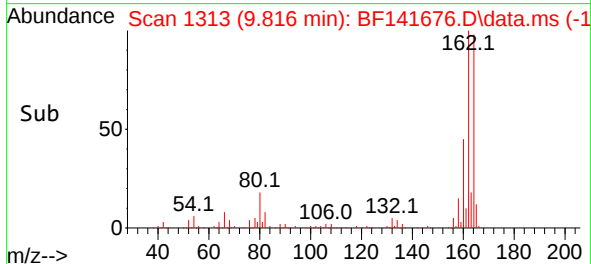
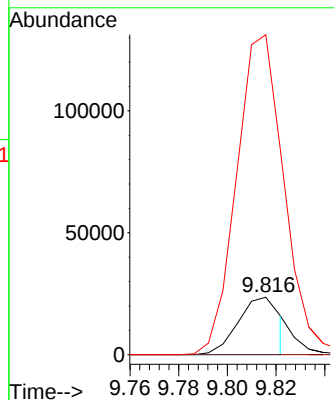
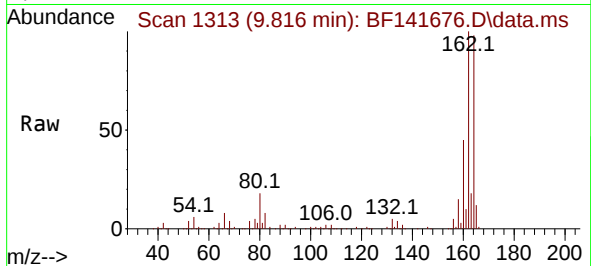




#50  
Dimethylphthalate  
Concen: 2.285 ng  
RT: 9.816 min Scan# 11  
Delta R.T. 0.253 min  
Lab File: BF141676.D  
Acq: 19 Feb 2025 15:45

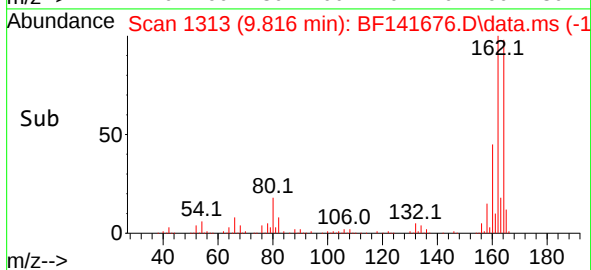
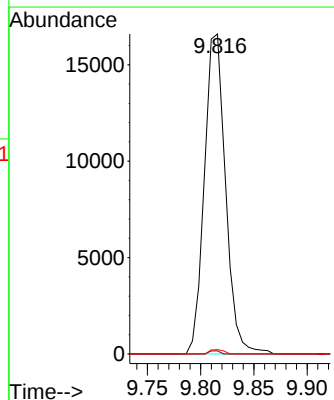
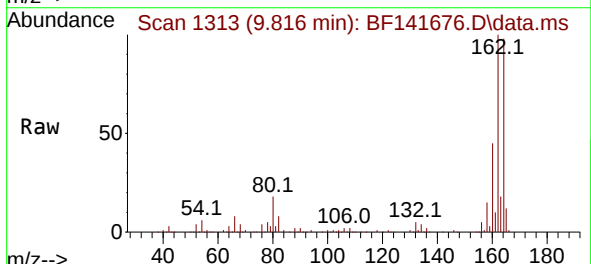
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-PCS-TC-03-021725

Tgt Ion:163 Resp: 27980  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.0 4.4#  
164 557.3 7.9 11.9#



#51  
2,6-Dinitrotoluene  
Concen: 8.600 ng  
RT: 9.816 min Scan# 1313  
Delta R.T. 0.194 min  
Lab File: BF141676.D  
Acq: 19 Feb 2025 15:45

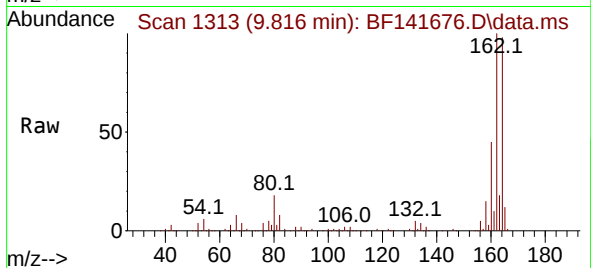
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Ion Ratio Lower Upper  
165 100  
63 1.0 49.4 74.0#  
89 1.4 46.5 69.7#



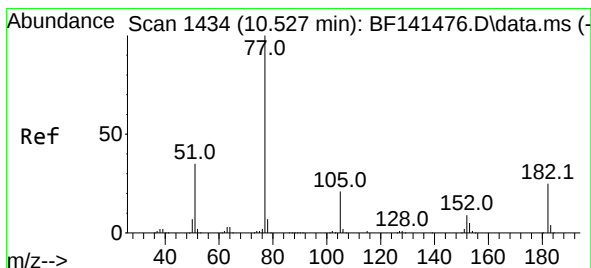
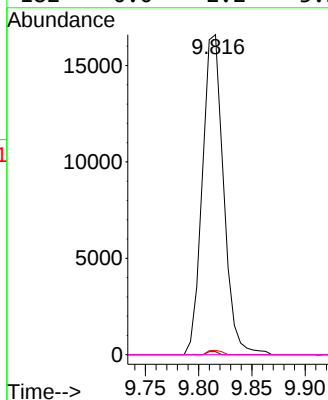
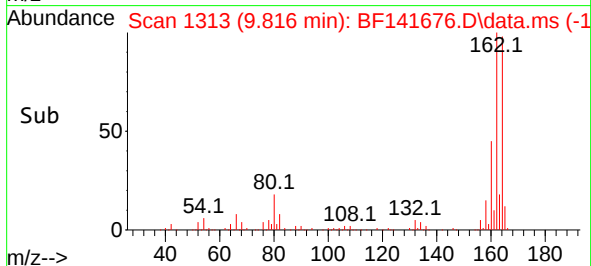


#57  
2,4-Dinitrotoluene  
Concen: 6.460 ng  
RT: 9.816 min Scan# 11  
Delta R.T. -0.212 min  
Lab File: BF141676.D  
Acq: 19 Feb 2025 15:45

Instrument :  
BNA\_F  
ClientSampleId :  
OU4-PCS-TC-03-021725

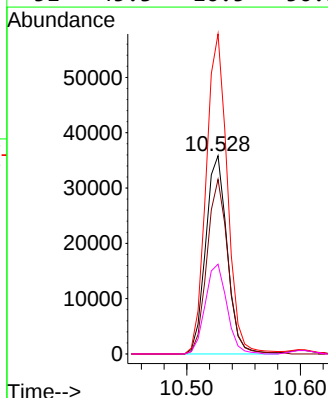
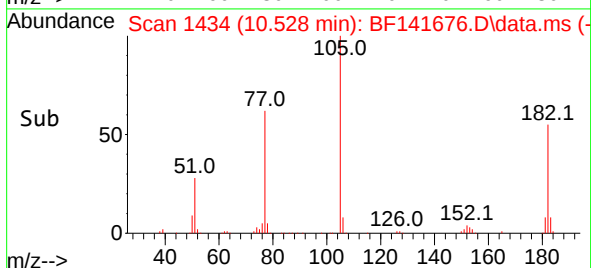
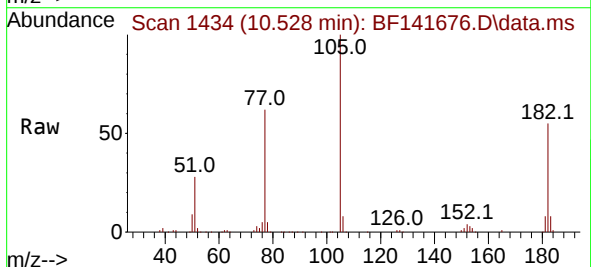


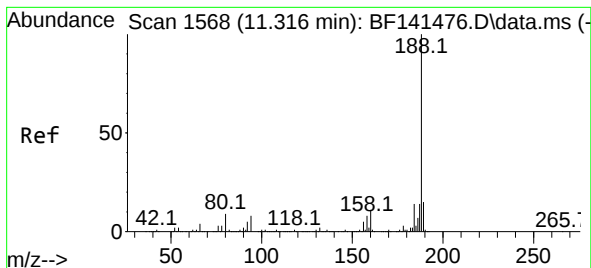
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Ion Ratio Lower Upper  
165 100  
63 1.0 46.4 69.6#  
89 1.4 61.8 92.6#  
182 0.0 2.2 3.2#



#63  
Azobenzene  
Concen: 3.937 ng  
RT: 10.528 min Scan# 1434  
Delta R.T. -0.006 min  
Lab File: BF141676.D  
Acq: 19 Feb 2025 15:45

Tgt Ion: 77 Resp: 47152  
Ion Ratio Lower Upper  
77 100  
182 88.0 4.7 44.7#  
105 161.4 0.4 40.4#  
51 45.3 16.5 56.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141676.D

Acq: 19 Feb 2025 15:45

Instrument :

BNA\_F

ClientSampleId :

OU4-PCS-TC-03-021725

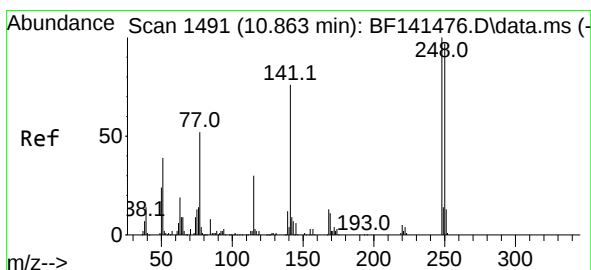
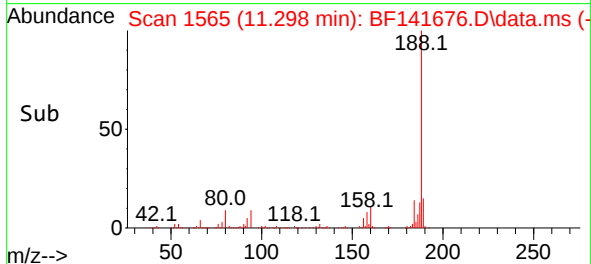
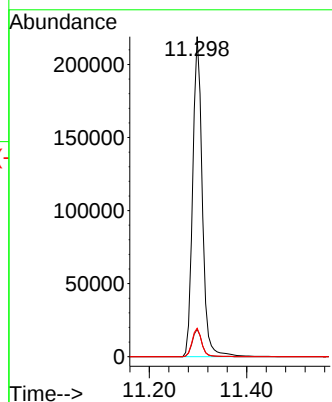
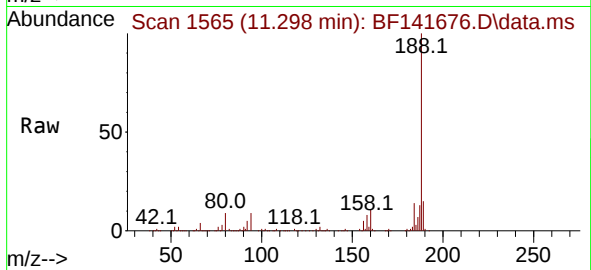
Tgt Ion:188 Resp: 300038

Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

80 8.9 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.201 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.259 min

Lab File: BF141676.D

Acq: 19 Feb 2025 15:45

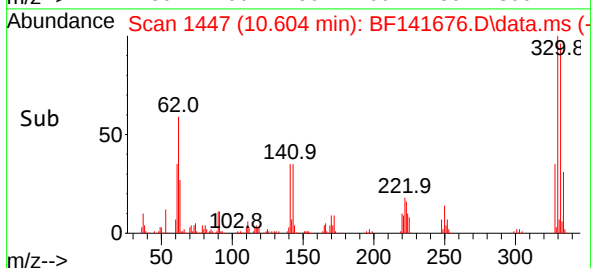
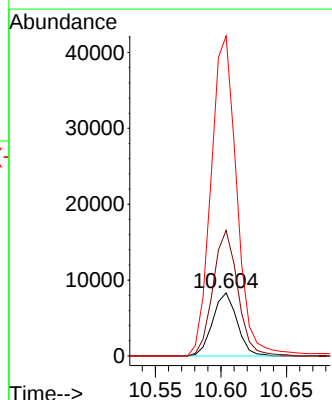
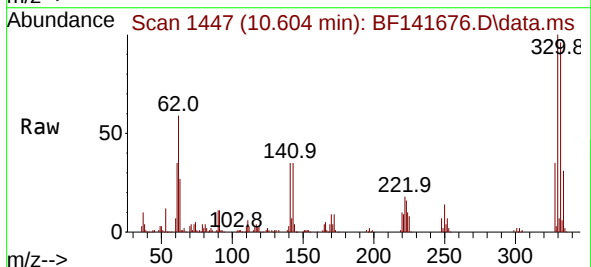
Tgt Ion:248 Resp: 10734

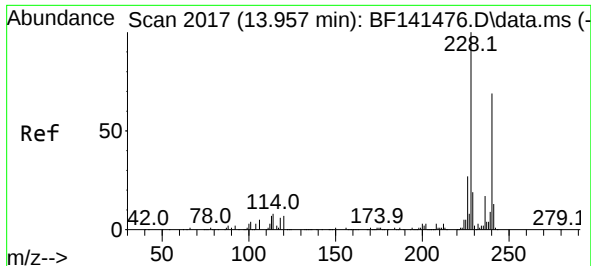
Ion Ratio Lower Upper

248 100

250 199.4 77.8 116.6#

141 508.2 60.6 90.8#

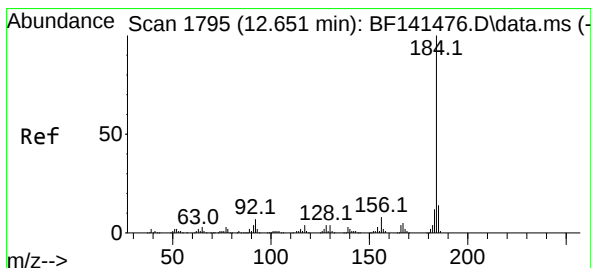
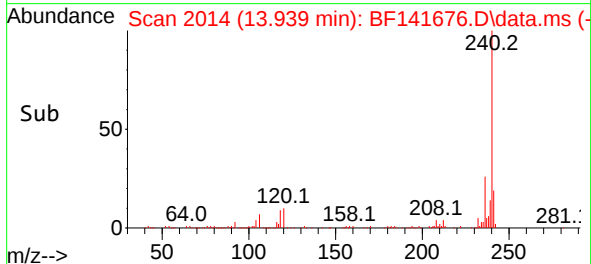
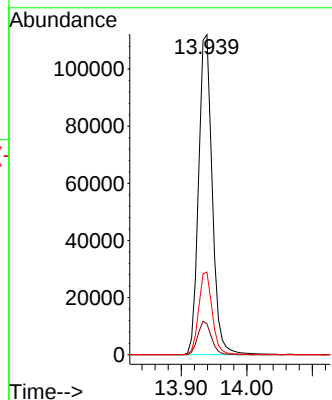
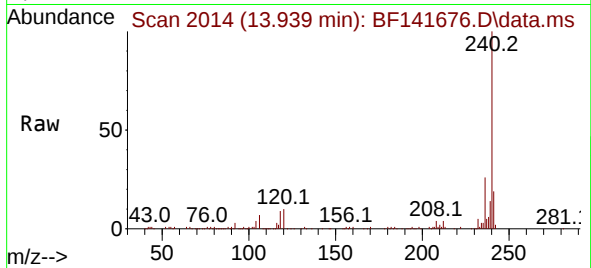




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.939 min Scan# 20  
Delta R.T. -0.023 min  
Lab File: BF141676.D  
Acq: 19 Feb 2025 15:45

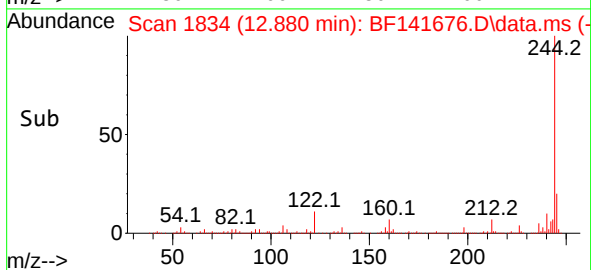
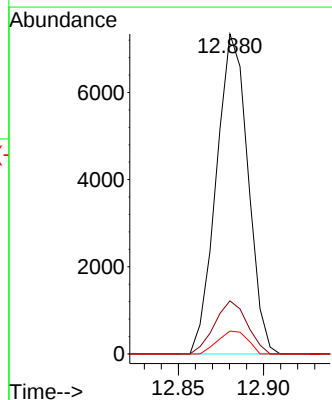
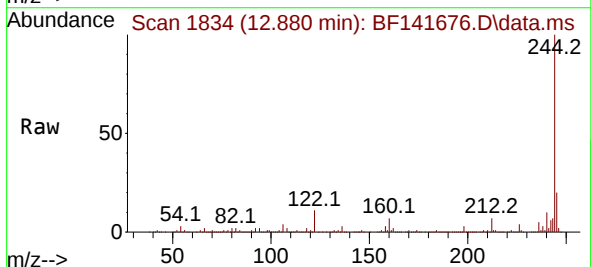
Instrument :  
BNA\_F  
ClientSampleId :  
OU4-PCS-TC-03-021725

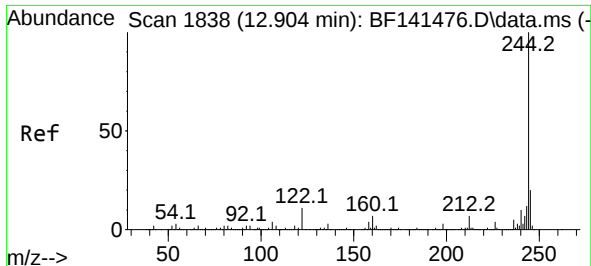
Tgt Ion:240 Resp: 162405  
Ion Ratio Lower Upper  
240 100  
120 9.7 8.0 12.0  
236 25.8 19.8 29.8



#77  
Benzidine  
Concen: 2.651 ng  
RT: 12.880 min Scan# 1834  
Delta R.T. 0.224 min  
Lab File: BF141676.D  
Acq: 19 Feb 2025 15:45

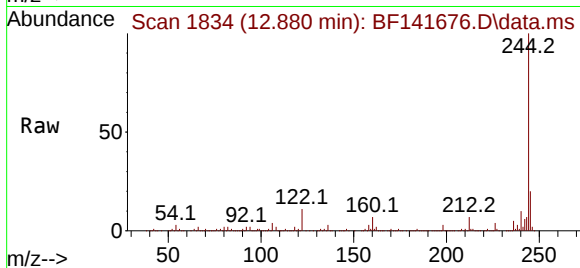
Tgt Ion:184 Resp: 9494  
Ion Ratio Lower Upper  
184 100  
185 16.6 11.3 16.9  
183 7.2 9.3 13.9#



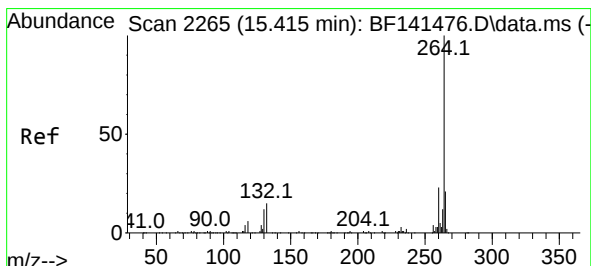
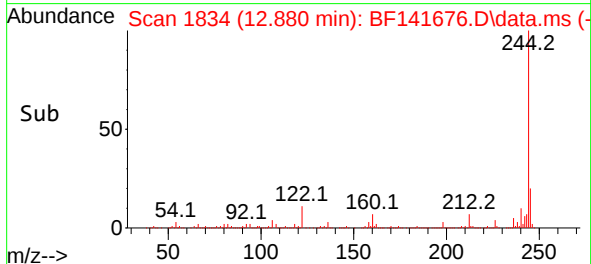
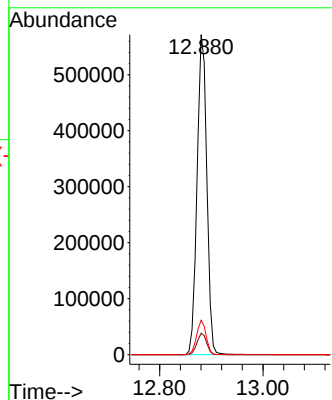


#79  
 Terphenyl-d14  
 Concen: 77.792 ng  
 RT: 12.880 min Scan# 11  
 Delta R.T. -0.023 min  
 Lab File: BF141676.D  
 Acq: 19 Feb 2025 15:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OU4-PCS-TC-03-021725



Tgt Ion:244 Resp: 748368  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.6 8.4  
 122 10.8 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: BF141676.D  
 Acq: 19 Feb 2025 15:45

Tgt Ion:264 Resp: 150976  
 Ion Ratio Lower Upper  
 264 100  
 260 22.6 18.6 28.0  
 265 20.9 17.0 25.4

