

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062024\  
 Data File : BF138275.D  
 Acq On : 20 Jun 2024 21:43  
 Operator : CG\JU  
 Sample : P2977-02  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OSTL-A2

Quant Time: Jun 21 01:20:52 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061224.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 13 01:52:47 2024  
 Response via : Initial Calibration

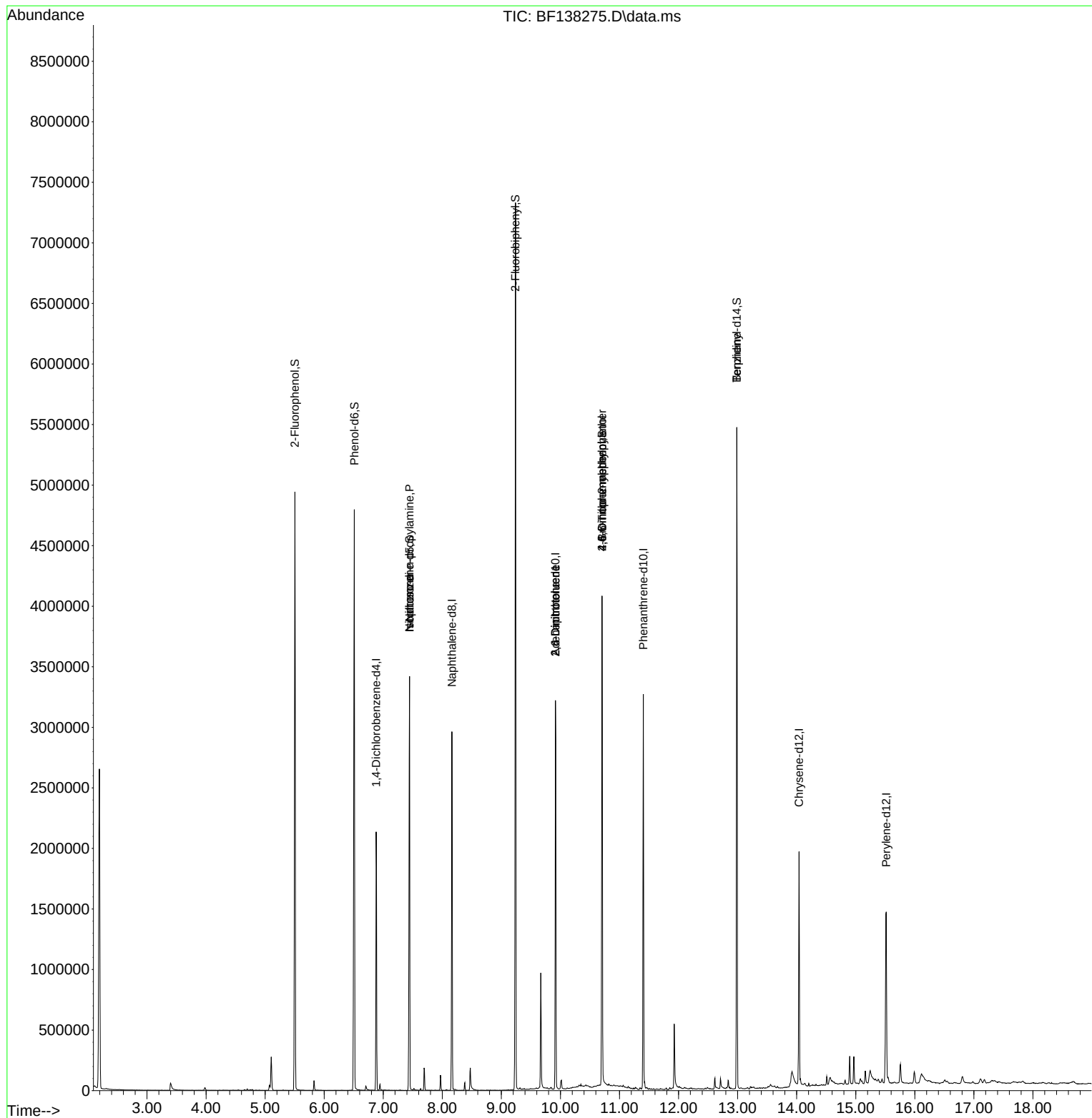
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.881  | 152  | 317421   | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.163  | 136  | 1232913  | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.916  | 164  | 690117   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.404 | 188  | 1073575  | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12              | 14.039 | 240  | 589303   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12              | 15.515 | 264  | 702142   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 1444283  | 76.115 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 1781613  | 74.045 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 1076611  | 50.836 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 514110   | 74.831 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.239  | 172  | 2113290  | 48.694 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.986 | 244  | 1858843  | 49.959 | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.445  | 70   | 141774   | 9.940  | ng    | # 76     |
| 25) Isophorone                | 7.445  | 82   | 1072345  | 27.994 | ng    | # 62     |
| 51) 2,6-Dinitrotoluene        | 9.916  | 165  | 89707    | 9.779  | ng    | # 25     |
| 57) 2,4-Dinitrotoluene        | 9.916  | 165  | 89692    | 7.927  | ng    | # 31     |
| 65) 4,6-Dinitro-2-methylph... | 10.704 | 198  | 1098     | 7.106  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.704 | 248  | 31800    | 2.629  | ng    | # 1      |
| 77) Benzidine                 | 12.986 | 184  | 22724    | 3.334  | ng    | # 93     |
| -----                         |        |      |          |        |       |          |

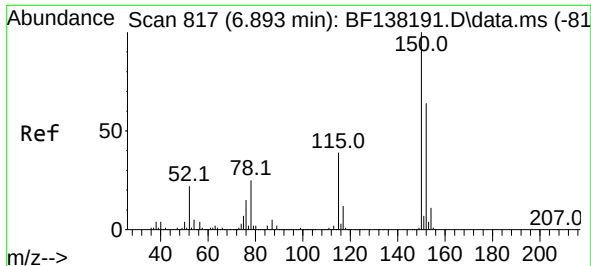
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062024\  
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Instrument :  
BNA\_F  
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OSTL-A2

Quant Time: Jun 21 01:20:52 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 13 01:52:47 2024  
Response via : Initial Calibration

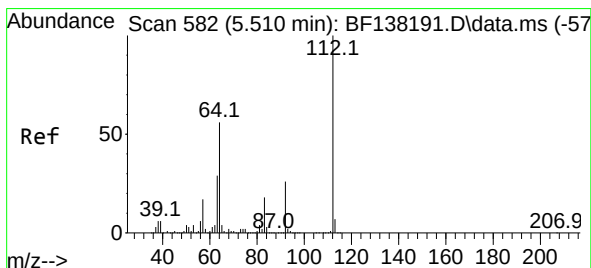
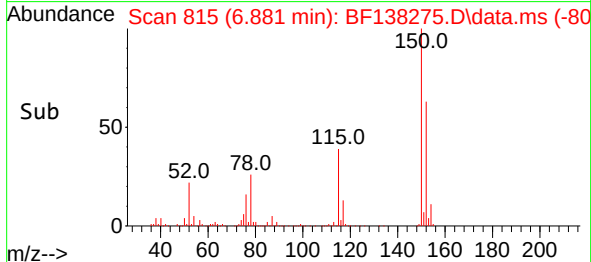
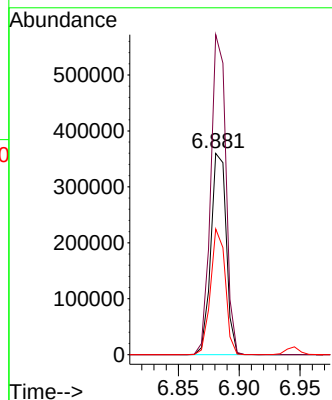
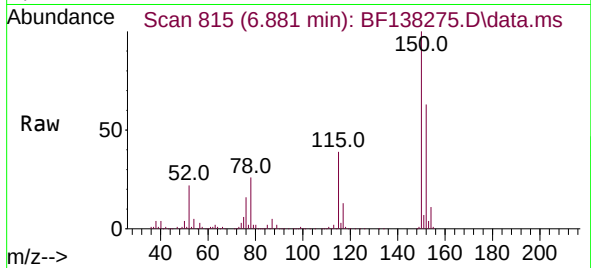




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.881 min Scan# 815  
Delta R.T. -0.012 min  
Lab File: BF138275.D  
Acq: 20 Jun 2024 21:43

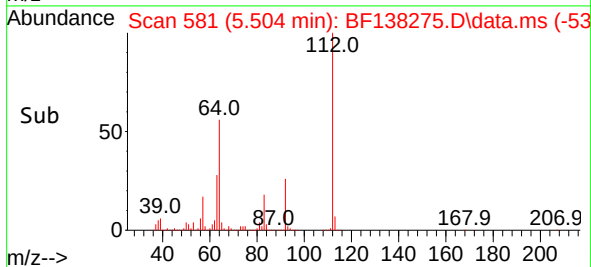
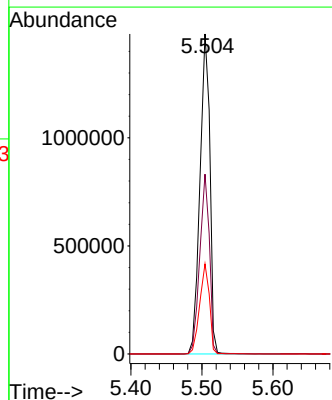
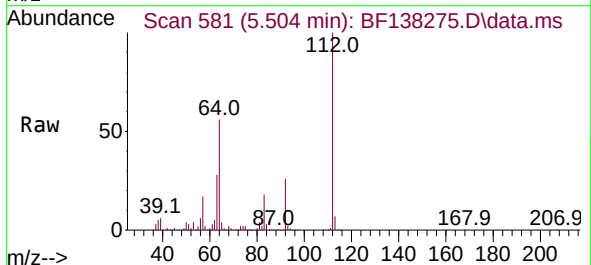
Instrument :  
BNA\_F  
ClientSampleId :  
OSTL-A2

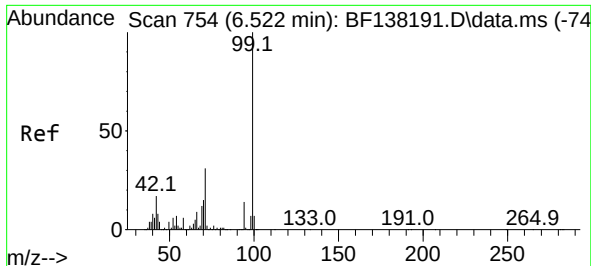
Tgt Ion:152 Resp: 317421  
Ion Ratio Lower Upper  
152 100  
150 159.0 125.0 187.4  
115 62.5 48.4 72.6



#5  
2-Fluorophenol  
Concen: 76.115 ng  
RT: 5.504 min Scan# 581  
Delta R.T. -0.006 min  
Lab File: BF138275.D  
Acq: 20 Jun 2024 21:43

Tgt Ion:112 Resp: 1444283  
Ion Ratio Lower Upper  
112 100  
64 56.2 45.2 67.8  
63 28.1 22.9 34.3

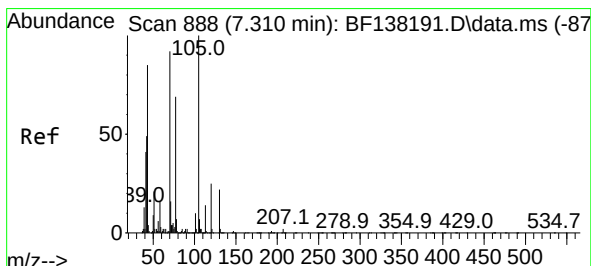
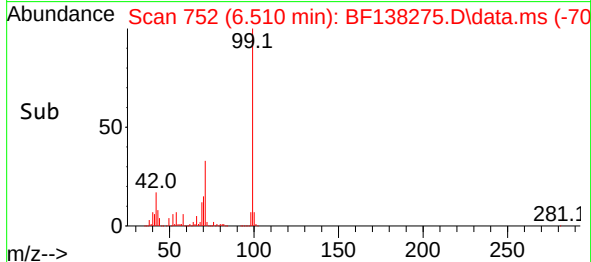
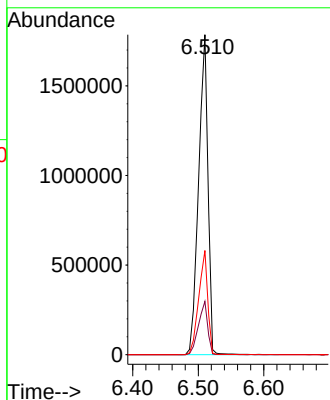
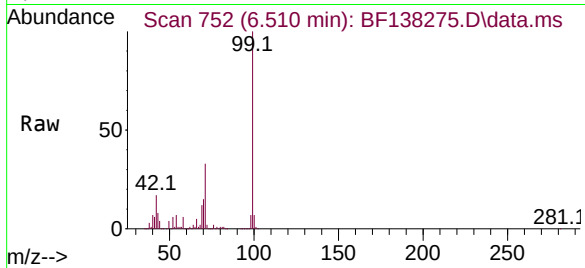




#7  
Phenol-d6  
Concen: 74.045 ng  
RT: 6.510 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF138275.D  
Acq: 20 Jun 2024 21:43

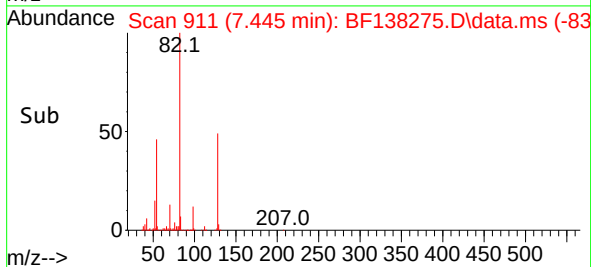
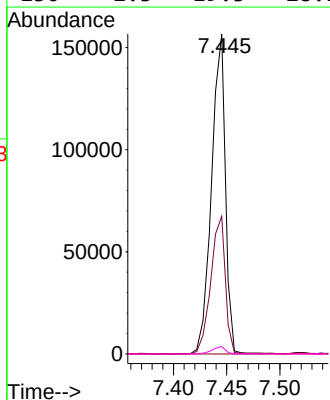
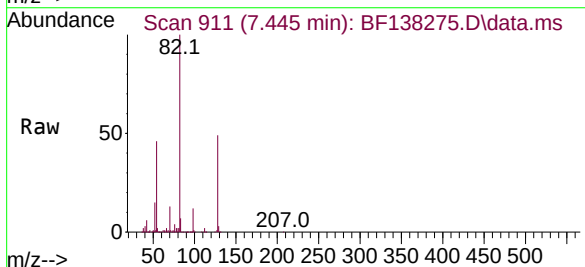
Instrument :  
BNA\_F  
ClientSampleId :  
OSTL-A2

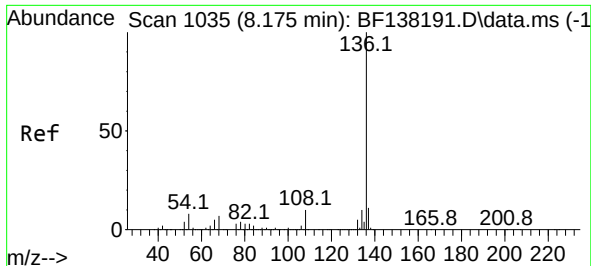
Tgt Ion: 99 Resp: 1781613  
Ion Ratio Lower Upper  
99 100  
42 16.7 13.7 20.5  
71 32.6 25.0 37.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 9.940 ng  
RT: 7.445 min Scan# 911  
Delta R.T. 0.135 min  
Lab File: BF138275.D  
Acq: 20 Jun 2024 21:43

Tgt Ion: 70 Resp: 141774  
Ion Ratio Lower Upper  
70 100  
42 43.1 42.8 64.2  
101 0.0 8.4 12.6#  
130 2.3 19.3 28.9#



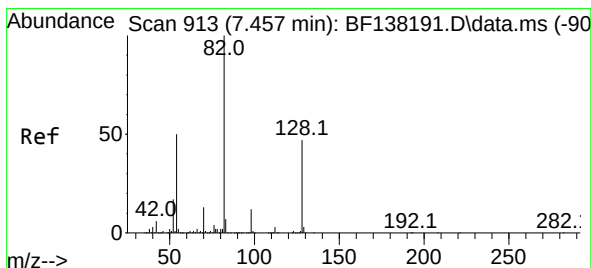
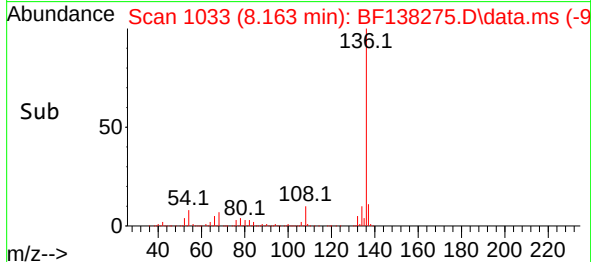
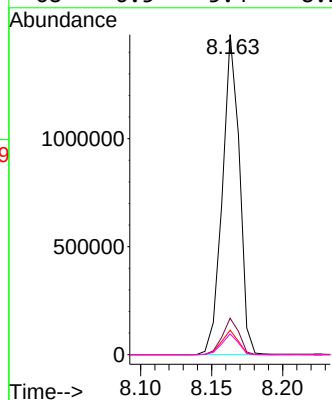
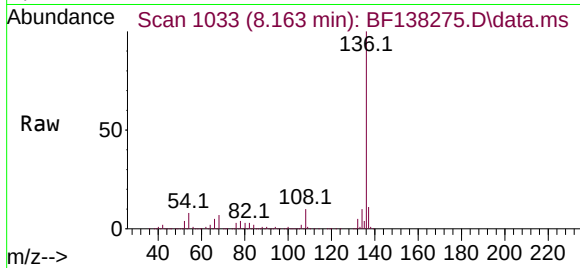


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.163 min Scan# 1033  
Delta R.T. -0.012 min  
Lab File: BF138275.D  
Acq: 20 Jun 2024 21:43

Instrument :  
BNA\_F  
ClientSampleId :  
OSTL-A2

Tgt Ion:136 Resp: 1232913

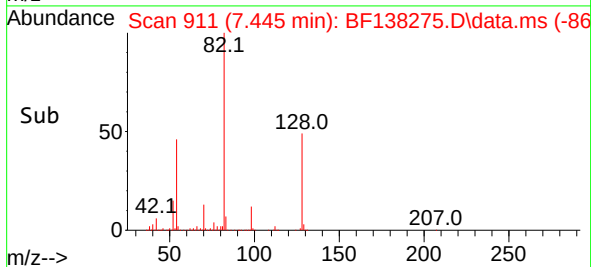
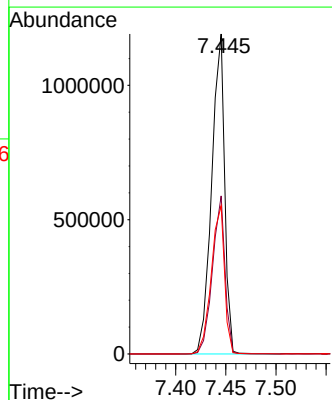
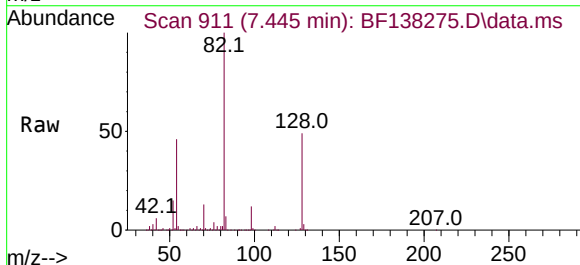
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.4  | 9.1   | 13.7  |
| 54  | 7.7   | 6.6   | 10.0  |
| 68  | 6.5   | 5.4   | 8.2   |

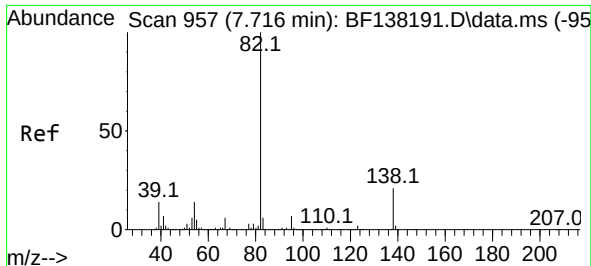


#23  
Nitrobenzene-d5  
Concen: 50.836 ng  
RT: 7.445 min Scan# 911  
Delta R.T. -0.012 min  
Lab File: BF138275.D  
Acq: 20 Jun 2024 21:43

Tgt Ion: 82 Resp: 1076611

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 49.4  | 37.2  | 55.8  |
| 54  | 46.3  | 39.8  | 59.6  |

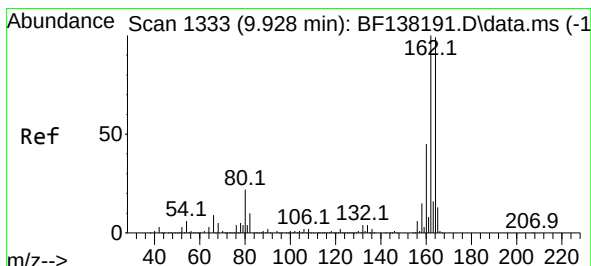
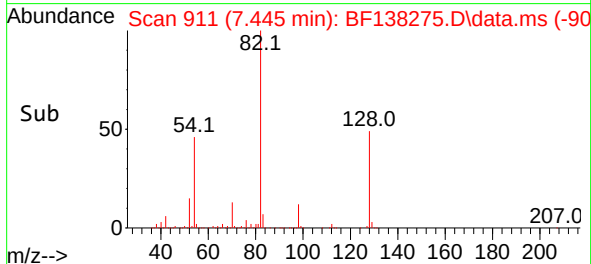
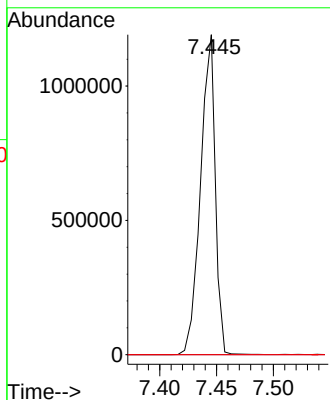
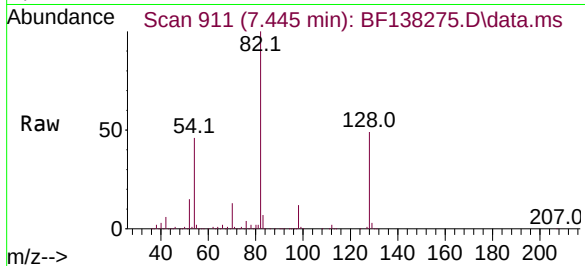




#25  
Isophorone  
Concen: 27.994 ng  
RT: 7.445 min Scan# 911  
Delta R.T. -0.271 min  
Lab File: BF138275.D  
Acq: 20 Jun 2024 21:43

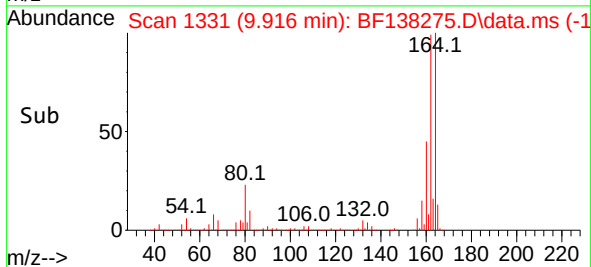
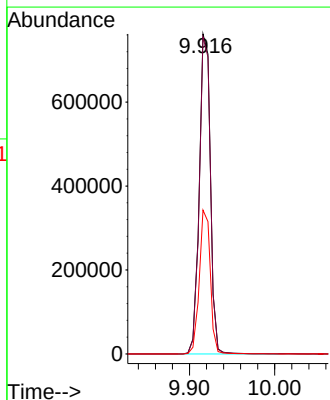
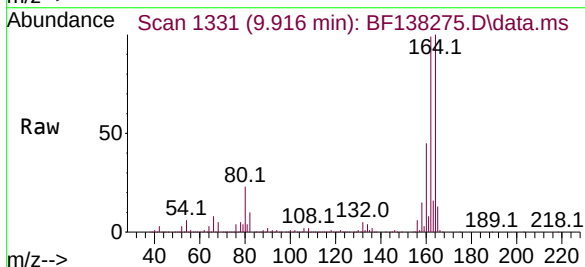
Instrument :  
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ClientSampleId :  
OSTL-A2

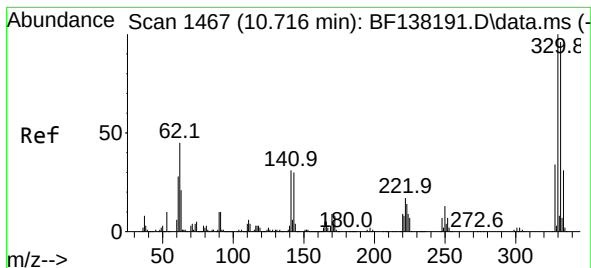
Tgt Ion: 82 Resp: 1072345  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 16.4 24.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.916 min Scan# 1331  
Delta R.T. -0.012 min  
Lab File: BF138275.D  
Acq: 20 Jun 2024 21:43

Tgt Ion: 164 Resp: 690117  
Ion Ratio Lower Upper  
164 100  
162 99.0 80.6 121.0  
160 44.9 36.3 54.5

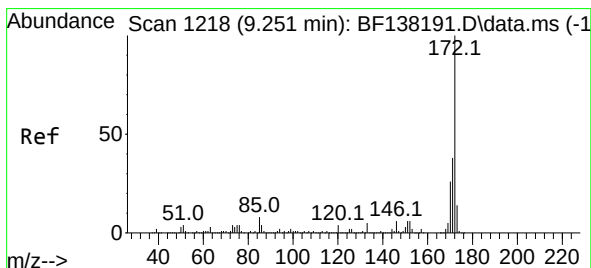
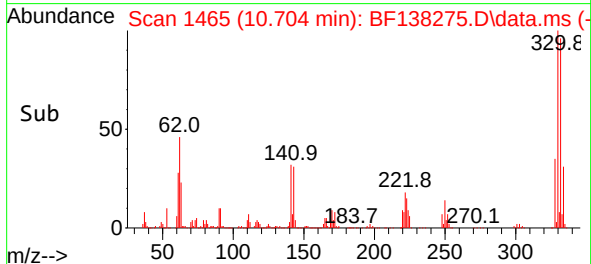
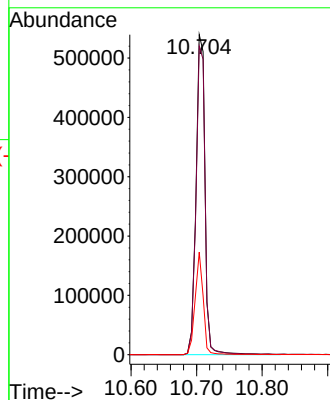
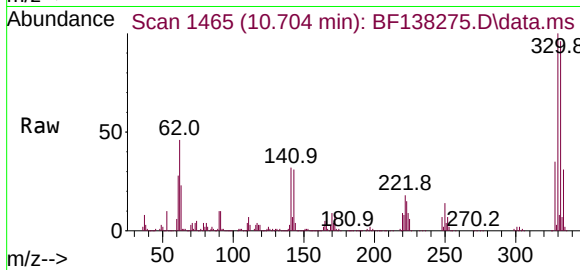




#42  
 2,4,6-Tribromophenol  
 Concen: 74.831 ng  
 RT: 10.704 min Scan# 1465  
 Delta R.T. -0.012 min  
 Lab File: BF138275.D  
 Acq: 20 Jun 2024 21:43

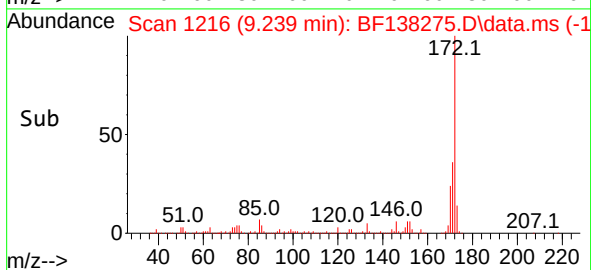
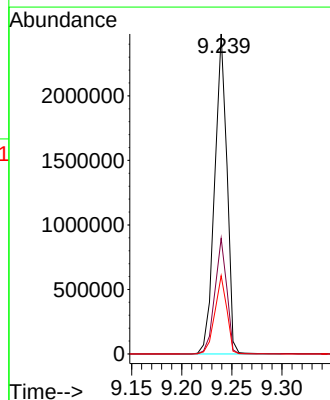
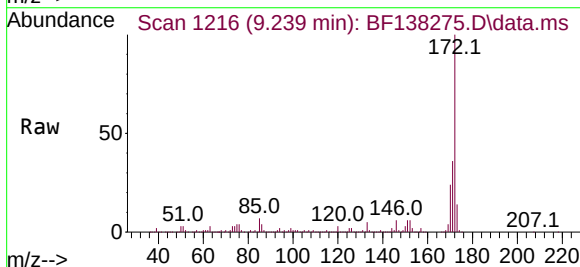
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 OSTL-A2

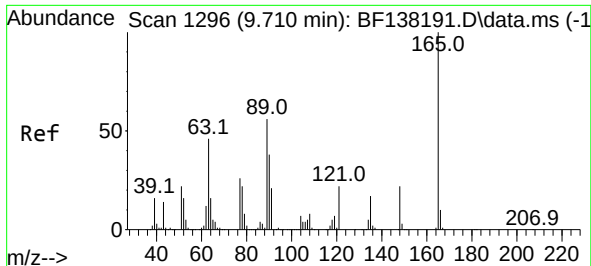
Tgt Ion: 330 Resp: 514110  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 76.6 115.0  
 141 29.1 23.9 35.9



#45  
 2-Fluorobiphenyl  
 Concen: 48.694 ng  
 RT: 9.239 min Scan# 1216  
 Delta R.T. -0.012 min  
 Lab File: BF138275.D  
 Acq: 20 Jun 2024 21:43

Tgt Ion: 172 Resp: 2113290  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 30.3 45.5  
 170 24.4 20.6 30.8

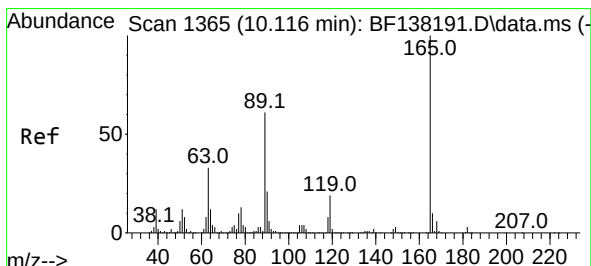
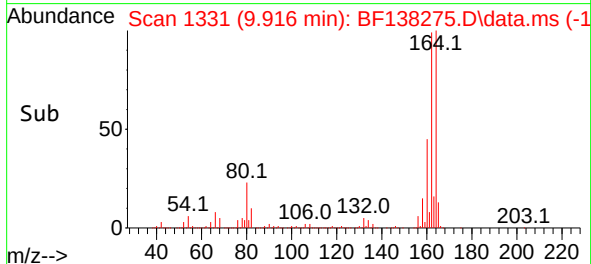
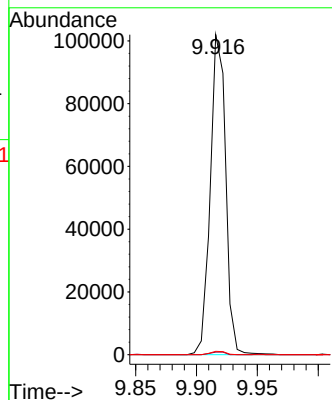
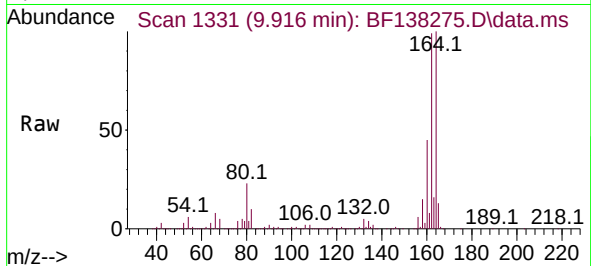




#51  
2,6-Dinitrotoluene  
Concen: 9.779 ng  
RT: 9.916 min Scan# 1331  
Delta R.T. 0.206 min  
Lab File: BF138275.D  
Acq: 20 Jun 2024 21:43

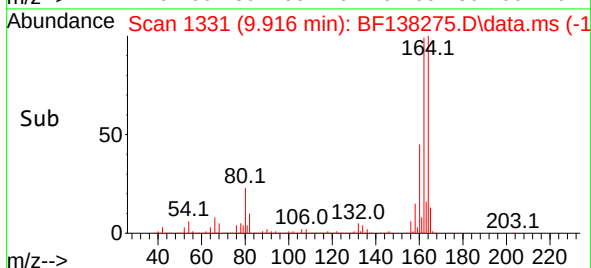
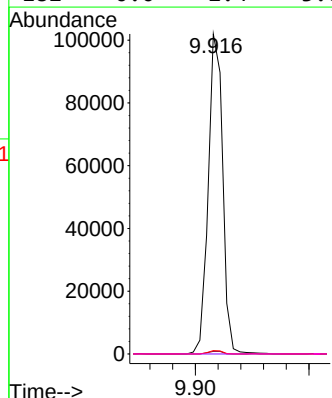
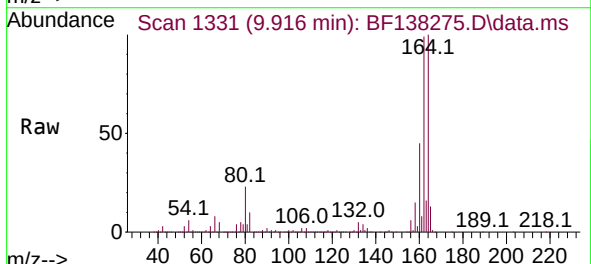
Instrument :  
BNA\_F  
ClientSampleId :  
OSTL-A2

Tgt Ion:165 Resp: 89707  
Ion Ratio Lower Upper  
165 100  
63 0.8 43.7 65.5#  
89 1.1 44.9 67.3#

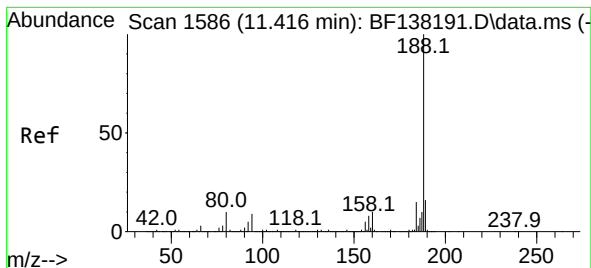


#57  
2,4-Dinitrotoluene  
Concen: 7.927 ng  
RT: 9.916 min Scan# 1331  
Delta R.T. -0.200 min  
Lab File: BF138275.D  
Acq: 20 Jun 2024 21:43

Tgt Ion:165 Resp: 89692  
Ion Ratio Lower Upper  
165 100  
63 0.8 26.6 39.8#  
89 1.1 48.7 73.1#  
182 0.0 2.4 3.6#







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138275.D

Acq: 20 Jun 2024 21:43

Instrument :

BNA\_F

ClientSampleId :

OSTL-A2

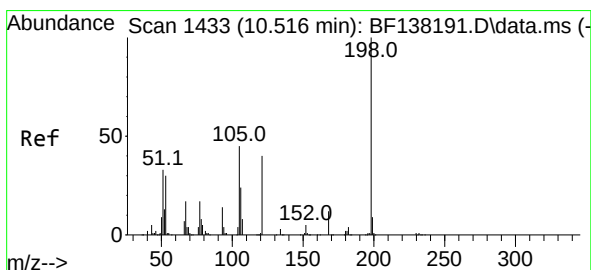
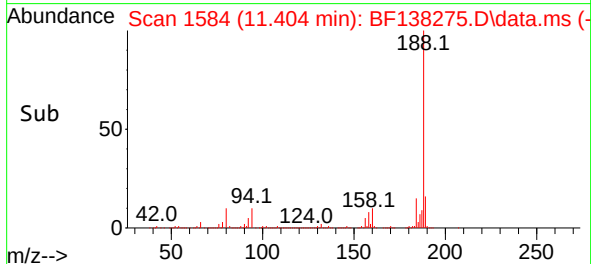
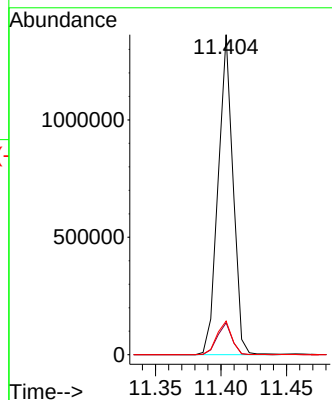
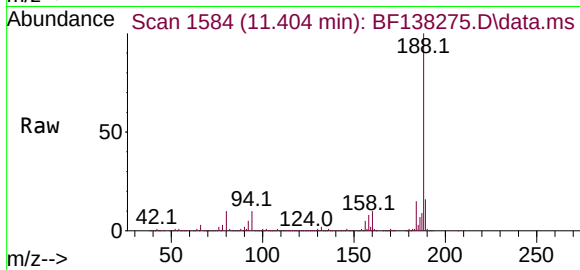
Tgt Ion:188 Resp: 1073575

Ion Ratio Lower Upper

188 100

94 10.0 7.6 11.4

80 10.5 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.106 ng

RT: 10.704 min Scan# 1465

Delta R.T. 0.188 min

Lab File: BF138275.D

Acq: 20 Jun 2024 21:43

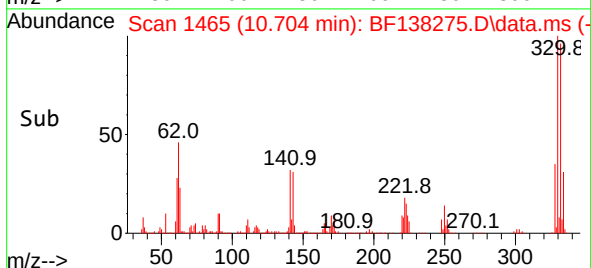
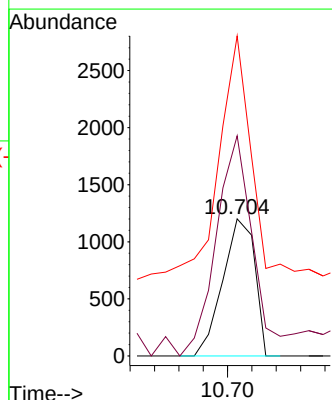
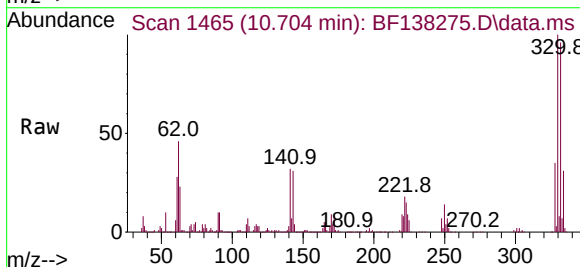
Tgt Ion:198 Resp: 1098

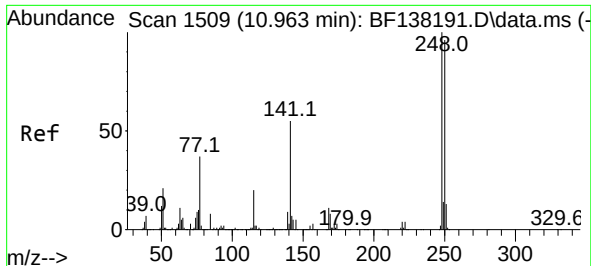
Ion Ratio Lower Upper

198 100

51 160.5 26.9 66.9#

105 233.4 26.0 66.0#

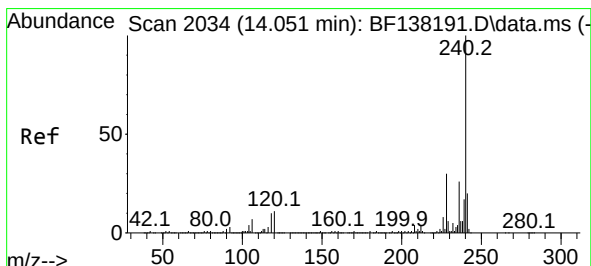
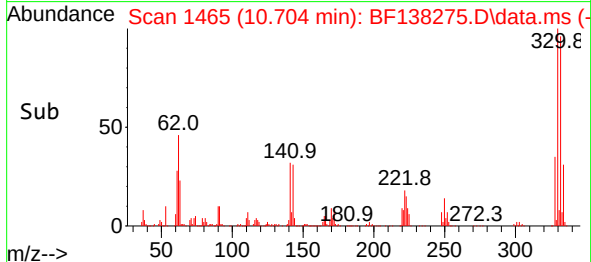
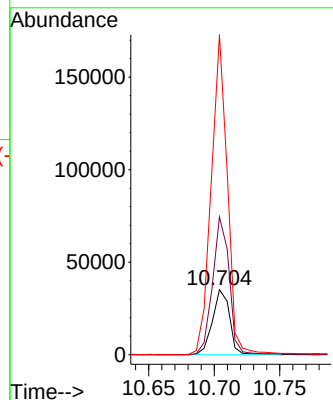
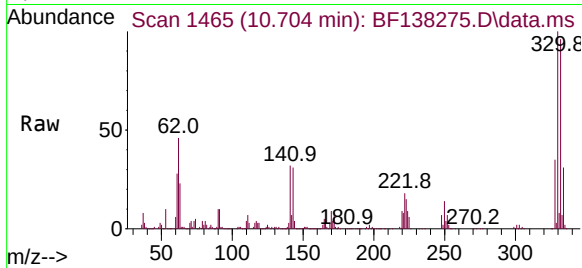




#67  
4-Bromophenyl-phenylether  
Concen: 2.629 ng  
RT: 10.704 min Scan# 1465  
Delta R.T. -0.259 min  
Lab File: BF138275.D  
Acq: 20 Jun 2024 21:43

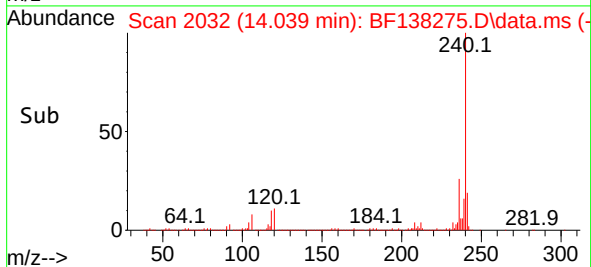
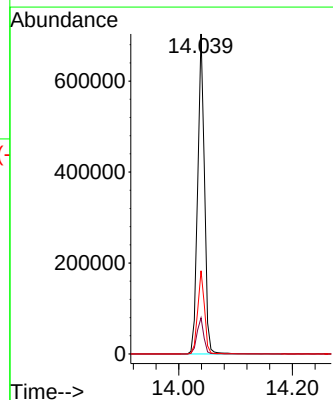
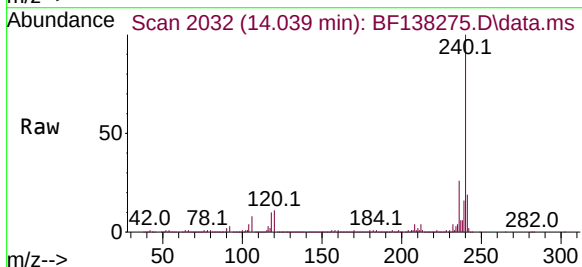
Instrument :  
BNA\_F  
ClientSampleId :  
OSTL-A2

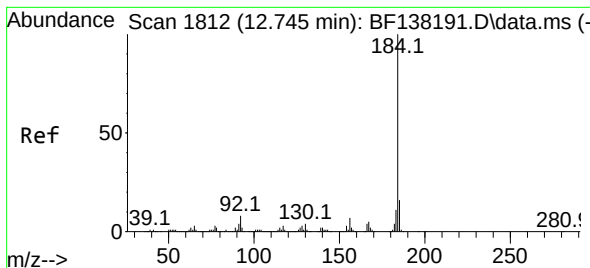
Tgt Ion:248 Resp: 31800  
Ion Ratio Lower Upper  
248 100  
250 212.2 77.2 115.8#  
141 492.6 44.1 66.1#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 2032  
Delta R.T. -0.012 min  
Lab File: BF138275.D  
Acq: 20 Jun 2024 21:43

Tgt Ion:240 Resp: 589303  
Ion Ratio Lower Upper  
240 100  
120 11.3 9.2 13.8  
236 26.0 21.0 31.6





#77

Benzidine

Concen: 3.334 ng

RT: 12.986 min Scan# 1853

Delta R.T. 0.241 min

Lab File: BF138275.D

Acq: 20 Jun 2024 21:43

Instrument :

BNA\_F

ClientSampleId :

OSTL-A2

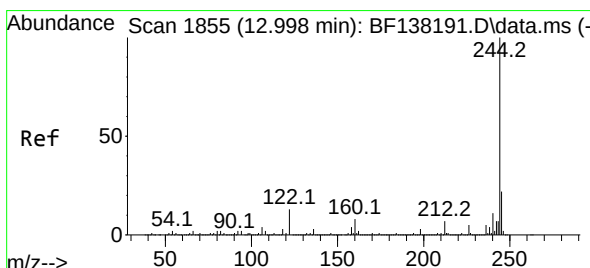
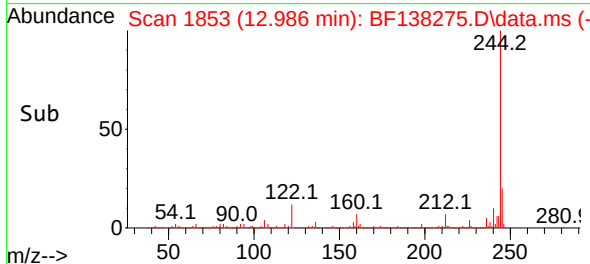
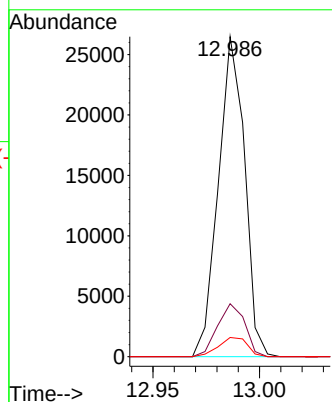
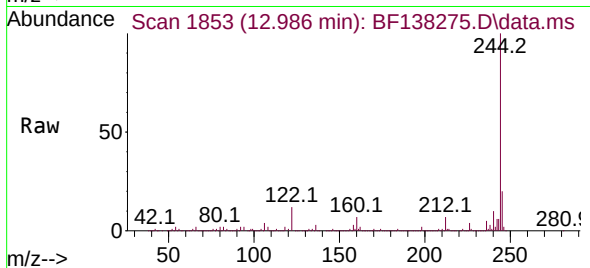
Tgt Ion:184 Resp: 22724

Ion Ratio Lower Upper

184 100

185 16.6 12.6 19.0

183 6.0 9.0 13.6#



#79

Terphenyl-d14

Concen: 49.959 ng

RT: 12.986 min Scan# 1853

Delta R.T. -0.012 min

Lab File: BF138275.D

Acq: 20 Jun 2024 21:43

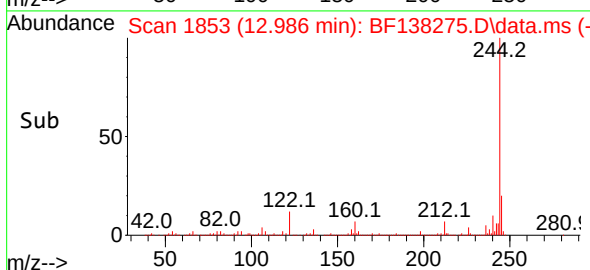
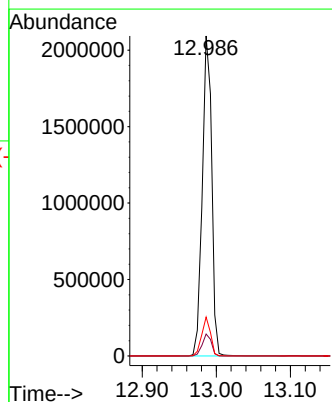
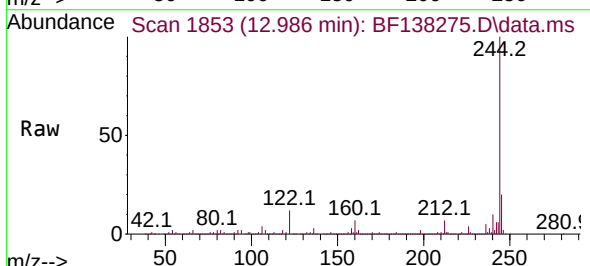
Tgt Ion:244 Resp: 1858843

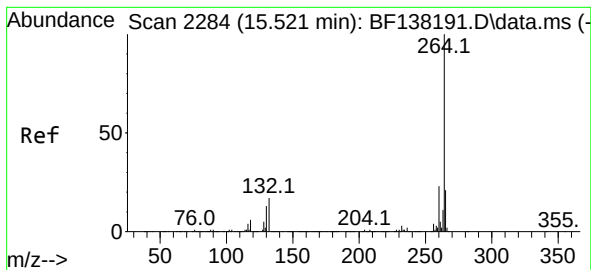
Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

122 12.1 10.6 15.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138275.D

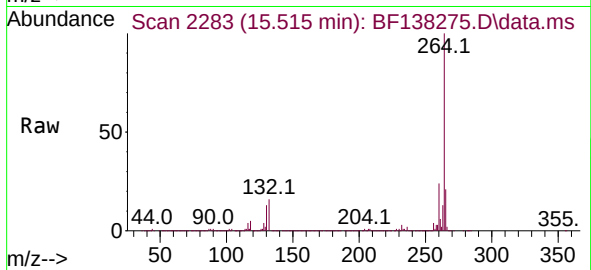
Acq: 20 Jun 2024 21:43

Instrument :

BNA\_F

ClientSampleId :

OSTL-A2



Tgt Ion:264 Resp: 702142

Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

265 21.1 17.0 25.6

