

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062424\  
 Data File : BF138308.D  
 Acq On : 24 Jun 2024 14:13  
 Operator : CG\JU  
 Sample : P2998-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WCS-TPL

Quant Time: Jun 24 15:23:06 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

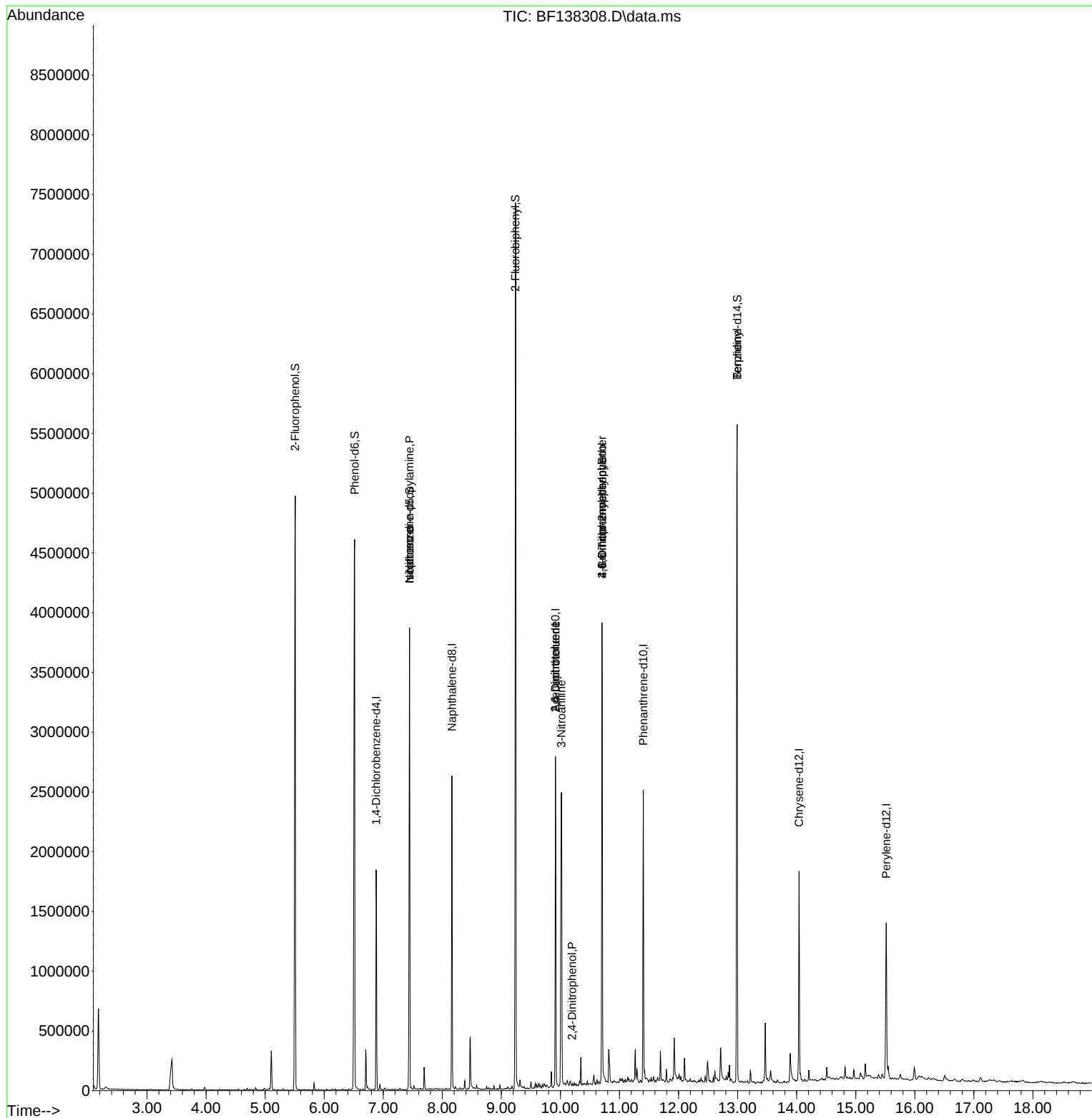
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.881  | 152  | 270374   | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.163  | 136  | 1020823  | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.916  | 164  | 548905   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.404 | 188  | 825157   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12              | 14.039 | 240  | 543065   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12              | 15.515 | 264  | 626266   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 1560113  | 96.526 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.516  | 99   | 1953676  | 95.325 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 1195780  | 68.194 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 498131   | 91.158 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.239  | 172  | 2339800  | 67.783 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.992 | 244  | 2042049  | 59.556 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.445  | 70   | 157416   | 12.958 | ng    | # 77     |
| 25) Isophorone                | 7.445  | 82   | 1192641  | 37.602 | ng    | # 62     |
| 51) 2,6-Dinitrotoluene        | 9.916  | 165  | 72812    | 9.980  | ng    | # 25     |
| 53) 3-Nitroaniline            | 10.016 | 138  | 24735    | 3.173  | ng    | # 4      |
| 54) 2,4-Dinitrophenol         | 10.198 | 184  | 64       | 4.227  | ng    | # 21     |
| 57) 2,4-Dinitrotoluene        | 9.916  | 165  | 73178    | 8.132  | ng    | # 31     |
| 65) 4,6-Dinitro-2-methylph... | 10.704 | 198  | 1249     | 7.188  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.704 | 248  | 31655    | 3.404  | ng    | # 1      |
| 77) Benzidine                 | 12.992 | 184  | 24752    | 3.940  | ng    | # 93     |
| -----                         |        |      |          |        |       |          |

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

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Quant Time: Jun 24 15:23:06 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

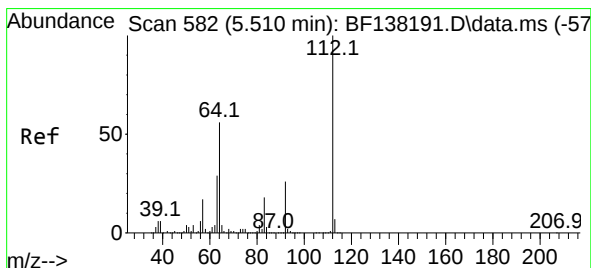
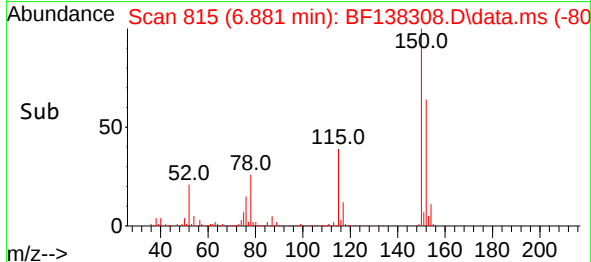
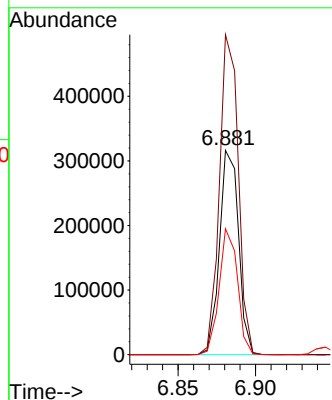
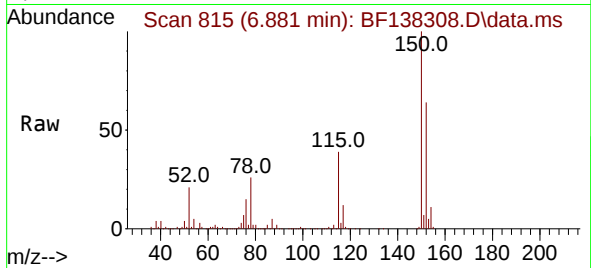




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.881 min Scan# 817  
Delta R.T. -0.012 min  
Lab File: BF138308.D  
Acq: 24 Jun 2024 14:13

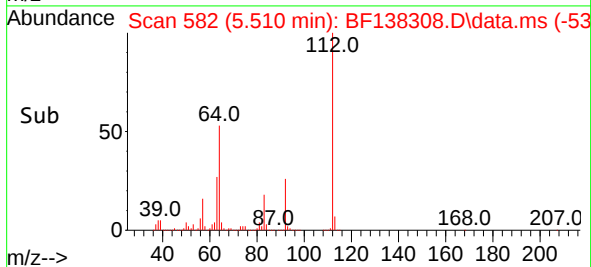
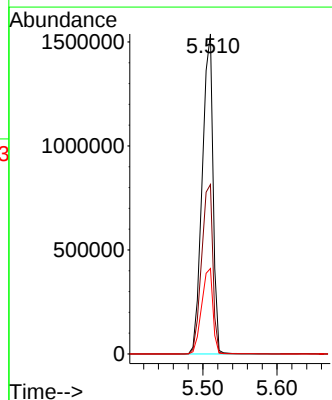
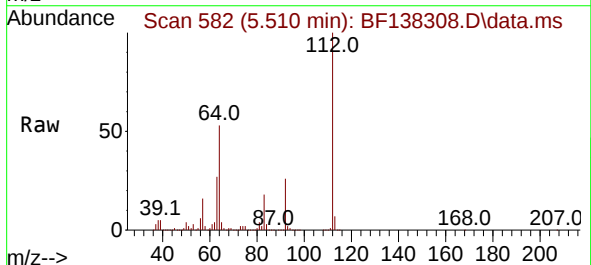
Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TPL

Tgt Ion:152 Resp: 270374  
Ion Ratio Lower Upper  
152 100  
150 156.6 125.0 187.4  
115 61.6 48.4 72.6



#5  
2-Fluorophenol  
Concen: 96.526 ng  
RT: 5.510 min Scan# 582  
Delta R.T. -0.000 min  
Lab File: BF138308.D  
Acq: 24 Jun 2024 14:13

Tgt Ion:112 Resp: 1560113  
Ion Ratio Lower Upper  
112 100  
64 53.0 45.2 67.8  
63 26.7 22.9 34.3

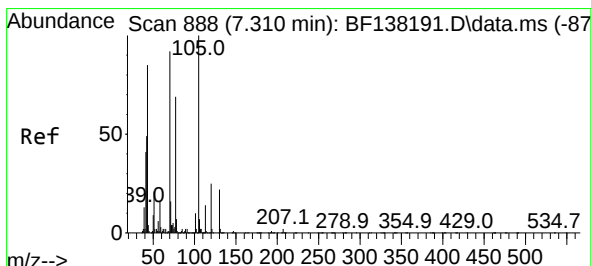
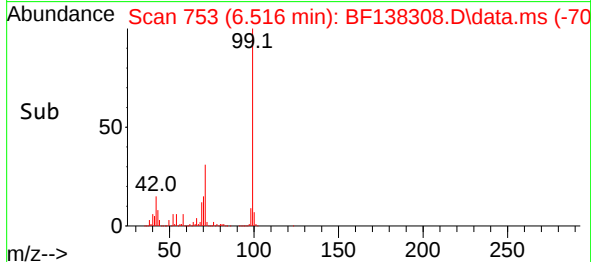
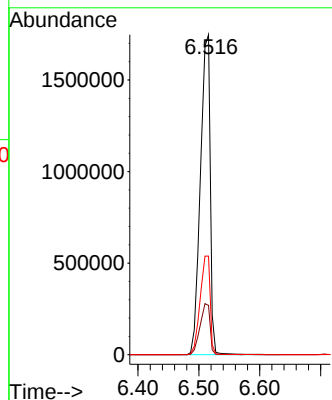
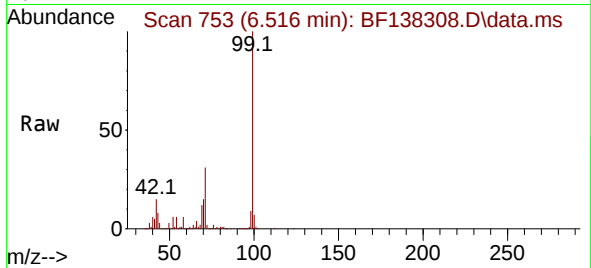




#7  
Phenol-d6  
Concen: 95.325 ng  
RT: 6.516 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF138308.D  
Acq: 24 Jun 2024 14:13

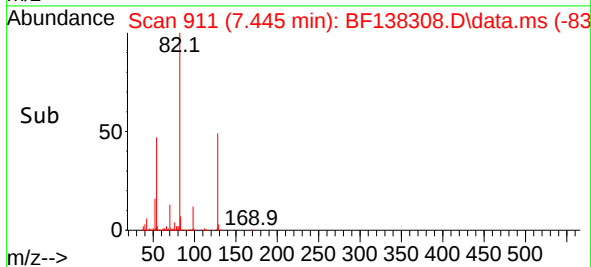
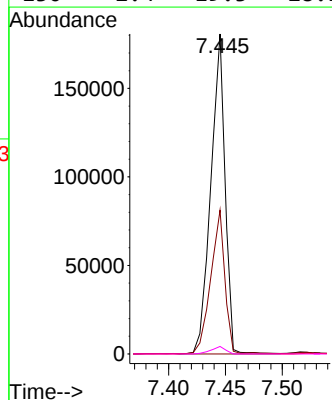
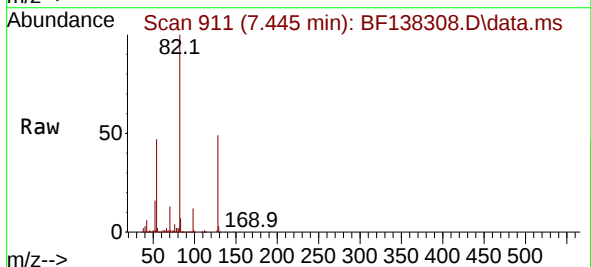
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ClientSampleId :  
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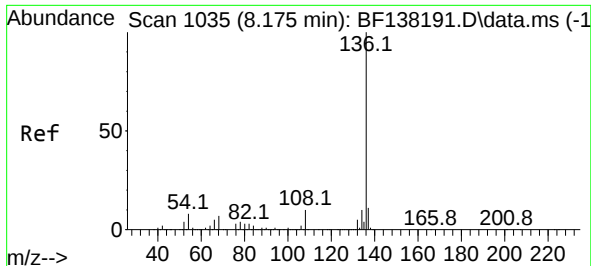
Tgt Ion: 99 Resp: 1953676  
Ion Ratio Lower Upper  
99 100  
42 15.4 13.7 20.5  
71 30.8 25.0 37.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.958 ng  
RT: 7.445 min Scan# 911  
Delta R.T. 0.135 min  
Lab File: BF138308.D  
Acq: 24 Jun 2024 14:13

Tgt Ion: 70 Resp: 157416  
Ion Ratio Lower Upper  
70 100  
42 44.9 42.8 64.2  
101 0.0 8.4 12.6#  
130 2.4 19.3 28.9#

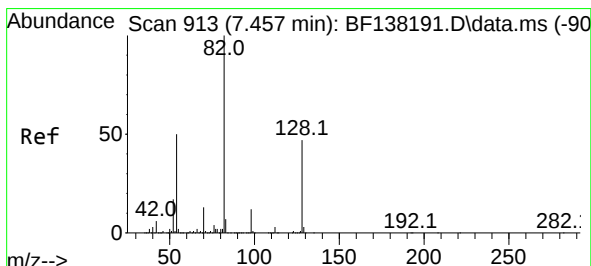
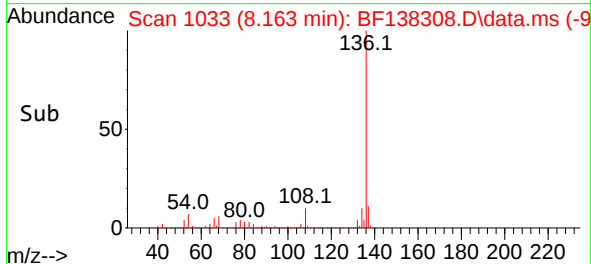
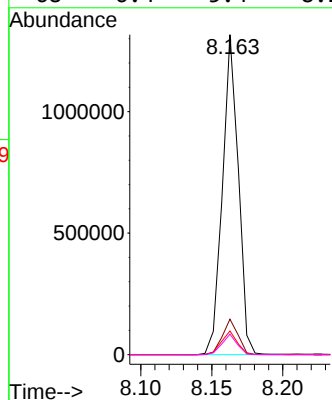
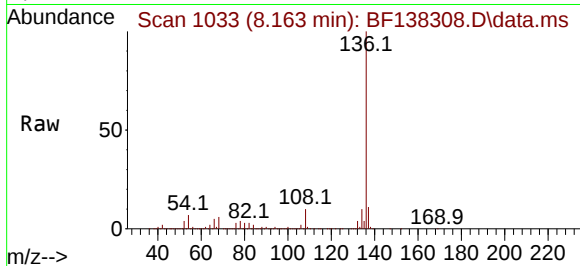




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.163 min Scan# 1033  
Delta R.T. -0.012 min  
Lab File: BF138308.D  
Acq: 24 Jun 2024 14:13

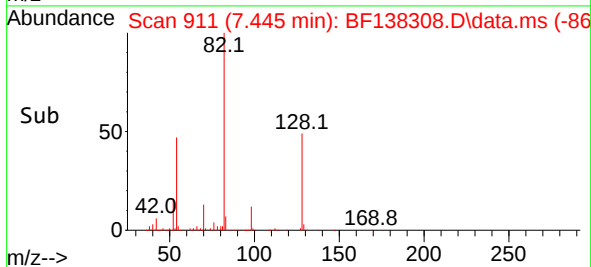
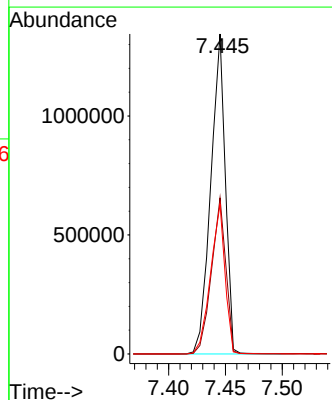
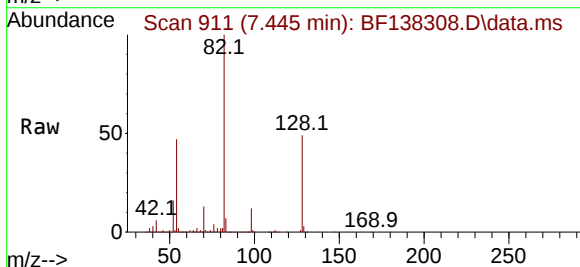
Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TPL

Tgt Ion:136 Resp: 1020823  
Ion Ratio Lower Upper  
136 100  
137 11.1 9.1 13.7  
54 7.4 6.6 10.0  
68 6.4 5.4 8.2



#23  
Nitrobenzene-d5  
Concen: 68.194 ng  
RT: 7.445 min Scan# 911  
Delta R.T. -0.012 min  
Lab File: BF138308.D  
Acq: 24 Jun 2024 14:13

Tgt Ion: 82 Resp: 1195780  
Ion Ratio Lower Upper  
82 100  
128 48.8 37.2 55.8  
54 46.8 39.8 59.6

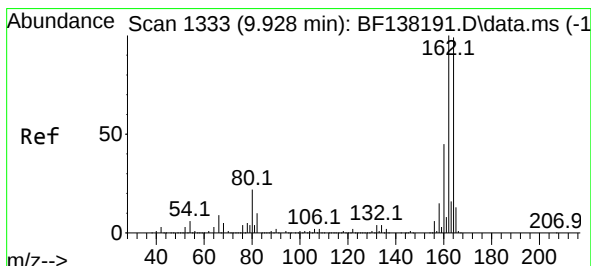
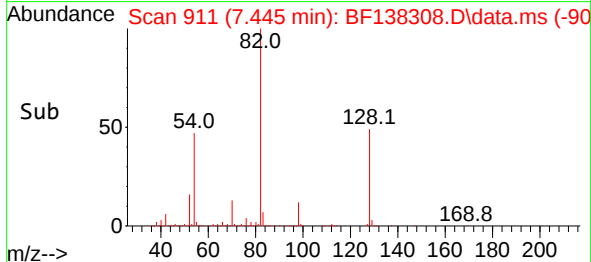
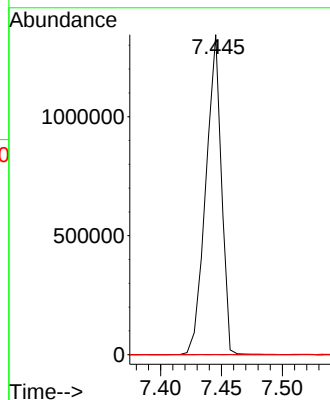
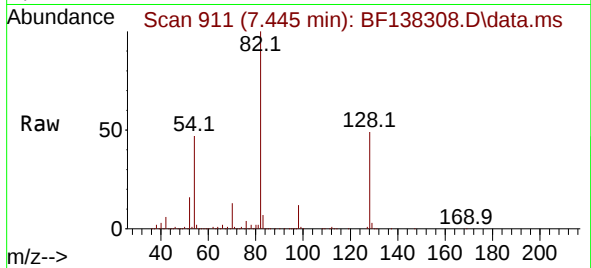




#25  
Isophorone  
Concen: 37.602 ng  
RT: 7.445 min Scan# 911  
Delta R.T. -0.271 min  
Lab File: BF138308.D  
Acq: 24 Jun 2024 14:13

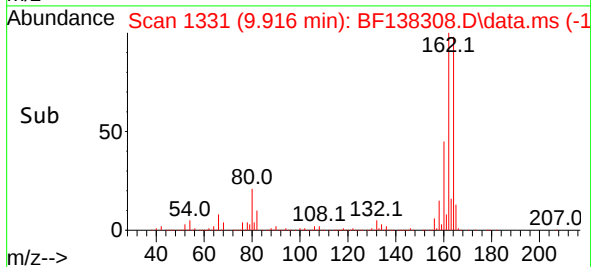
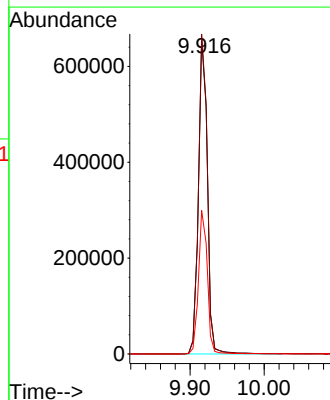
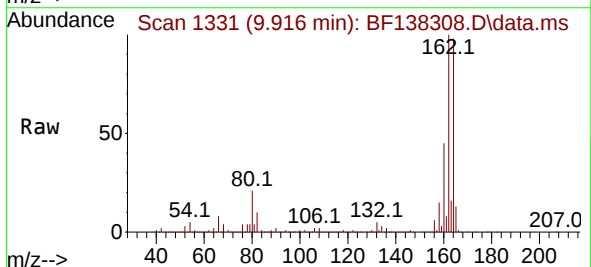
Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TPL

Tgt Ion: 82 Resp: 1192641  
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: BF138308.D  
Acq: 24 Jun 2024 14:13

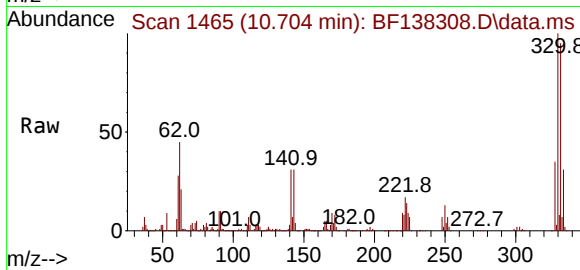
Tgt Ion: 164 Resp: 548905  
Ion Ratio Lower Upper  
164 100  
162 101.6 80.6 121.0  
160 45.6 36.3 54.5



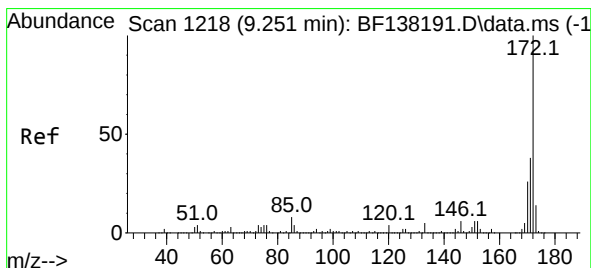
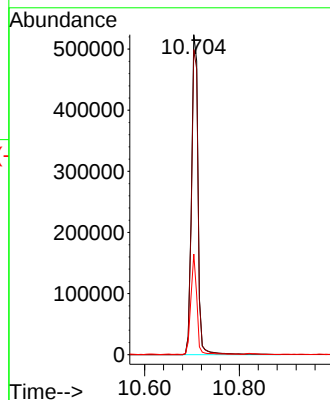
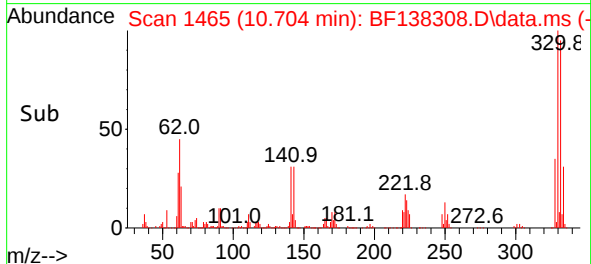


#42  
2,4,6-Tribromophenol  
Concen: 91.158 ng  
RT: 10.704 min Scan# 1465  
Delta R.T. -0.012 min  
Lab File: BF138308.D  
Acq: 24 Jun 2024 14:13

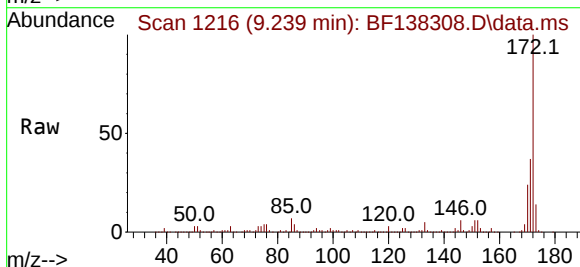
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WCS-TPL



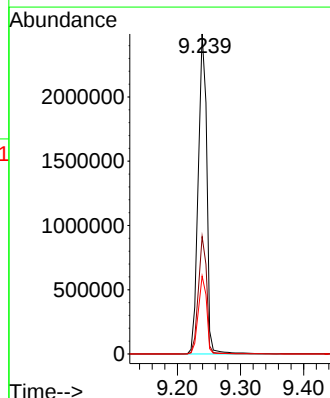
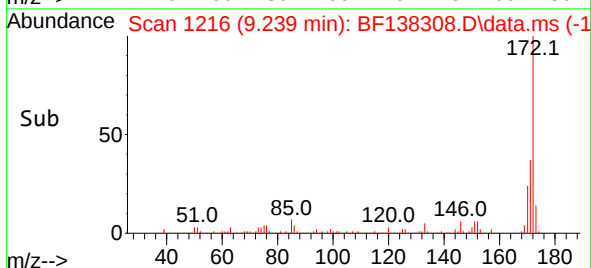
Tgt Ion:330 Resp: 498131  
Ion Ratio Lower Upper  
330 100  
332 95.8 76.6 115.0  
141 28.5 23.9 35.9

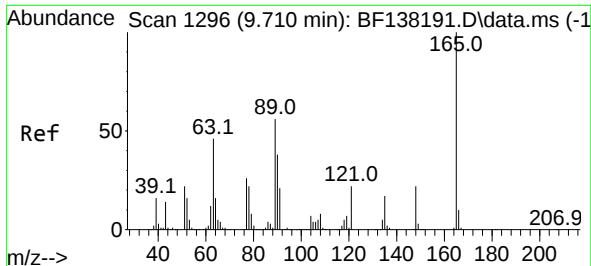


#45  
2-Fluorobiphenyl  
Concen: 67.783 ng  
RT: 9.239 min Scan# 1216  
Delta R.T. -0.012 min  
Lab File: BF138308.D  
Acq: 24 Jun 2024 14:13



Tgt Ion:172 Resp: 2339800  
Ion Ratio Lower Upper  
172 100  
171 36.7 30.3 45.5  
170 24.4 20.6 30.8

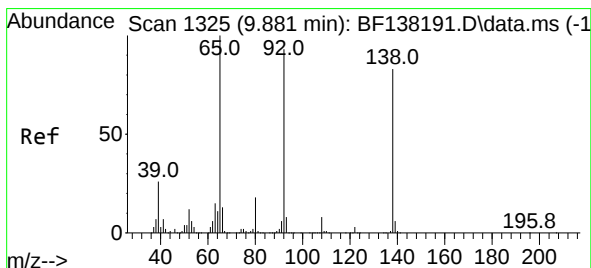
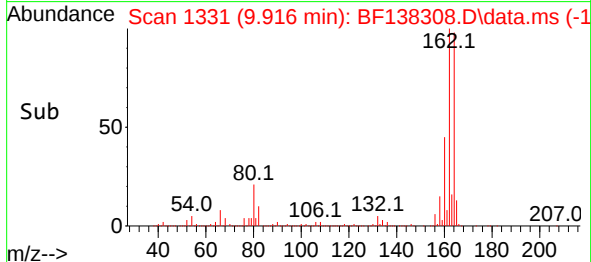
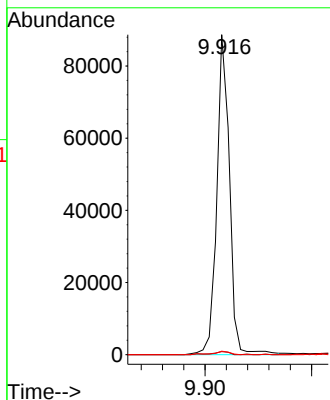
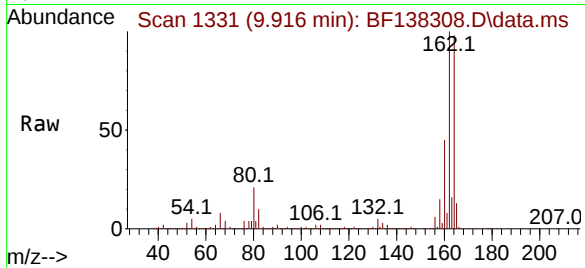




#51  
2,6-Dinitrotoluene  
Concen: 9.980 ng  
RT: 9.916 min Scan# 11  
Delta R.T. 0.206 min  
Lab File: BF138308.D  
Acq: 24 Jun 2024 14:13

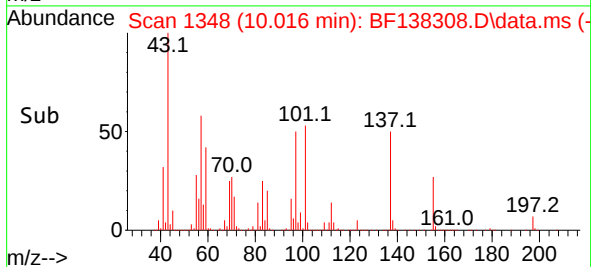
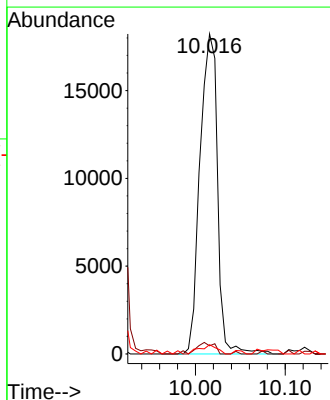
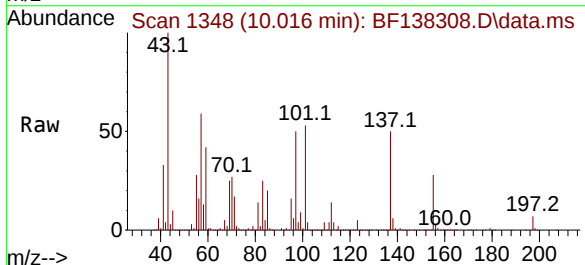
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WCS-TPL

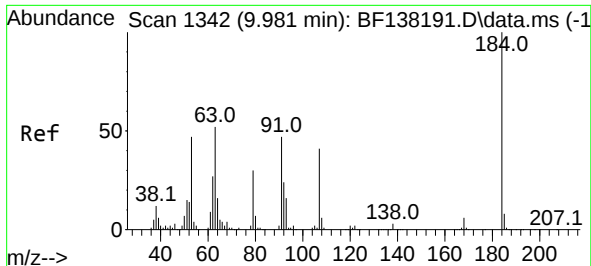
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Ion Ratio Lower Upper  
165 100  
63 0.9 43.7 65.5#  
89 1.1 44.9 67.3#



#53  
3-Nitroaniline  
Concen: 3.173 ng  
RT: 10.016 min Scan# 1348  
Delta R.T. 0.135 min  
Lab File: BF138308.D  
Acq: 24 Jun 2024 14:13

Tgt Ion:138 Resp: 24735  
Ion Ratio Lower Upper  
138 100  
108 2.6 8.2 12.2#  
92 2.9 90.0 135.0#

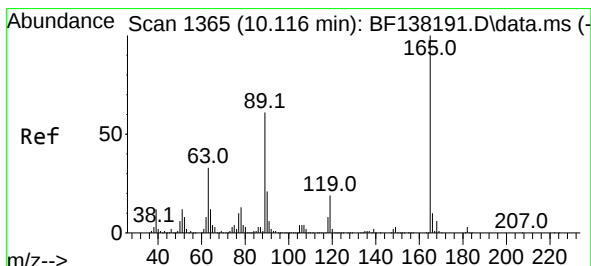
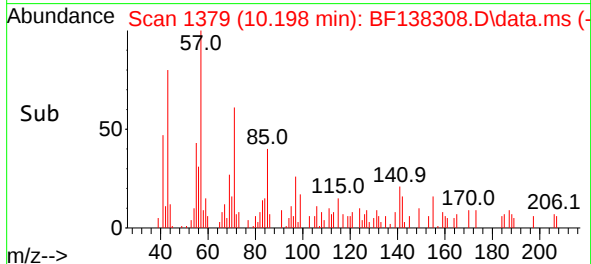
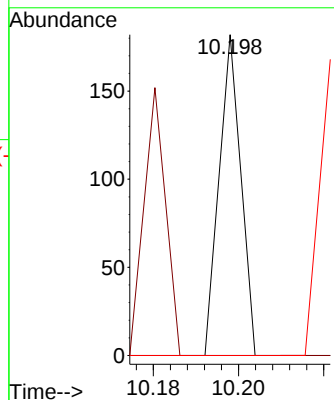
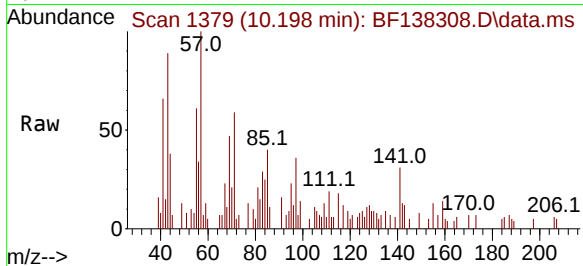




#54  
2,4-Dinitrophenol  
Concen: 4.227 ng  
RT: 10.198 min Scan# 11  
Delta R.T. 0.217 min  
Lab File: BF138308.D  
Acq: 24 Jun 2024 14:13

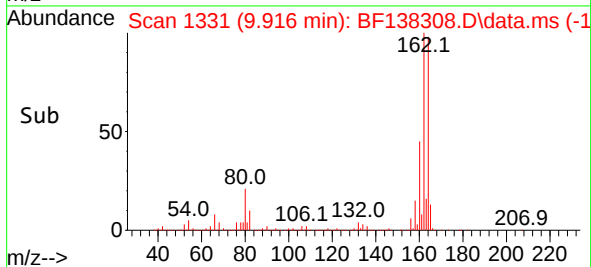
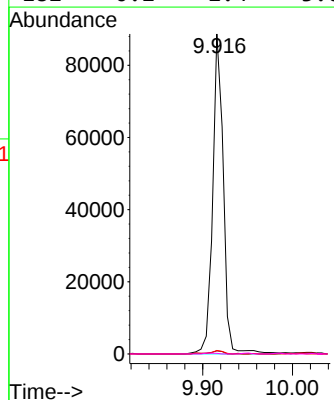
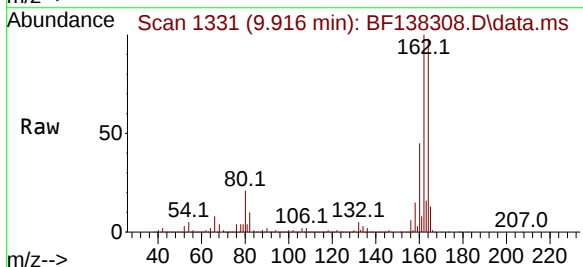
Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TPL

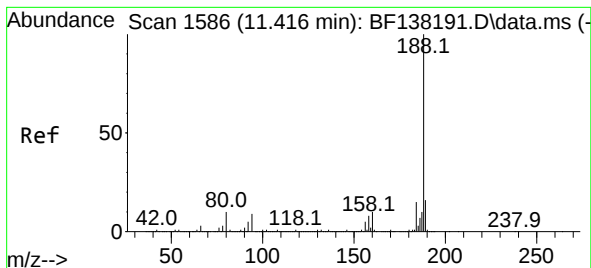
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Ion Ratio Lower Upper  
184 100  
63 0.0 49.2 73.8#  
154 0.0 46.7 70.1#



#57  
2,4-Dinitrotoluene  
Concen: 8.132 ng  
RT: 9.916 min Scan# 1331  
Delta R.T. -0.200 min  
Lab File: BF138308.D  
Acq: 24 Jun 2024 14:13

Tgt Ion:165 Resp: 73178  
Ion Ratio Lower Upper  
165 100  
63 0.9 26.6 39.8#  
89 1.1 48.7 73.1#  
182 0.2 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: BF138308.D

Acq: 24 Jun 2024 14:13

Instrument :

BNA\_F

ClientSampleId :

WCS-TPL

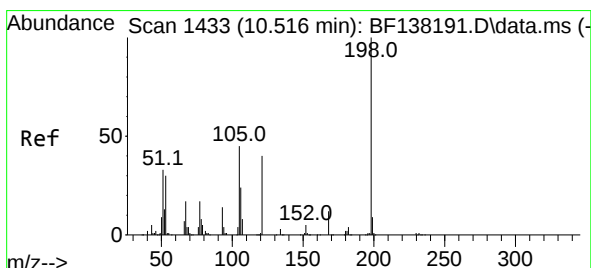
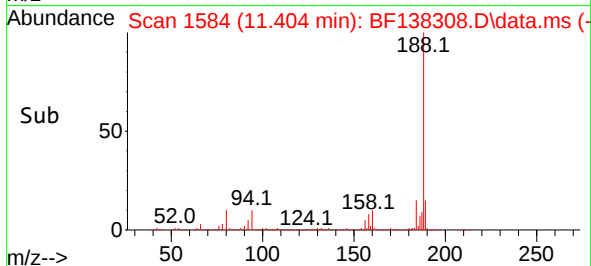
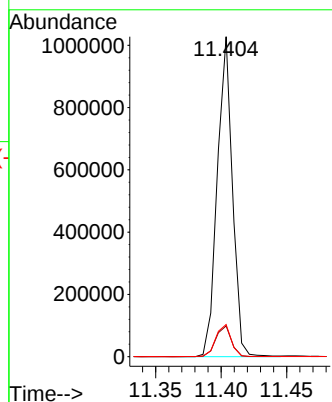
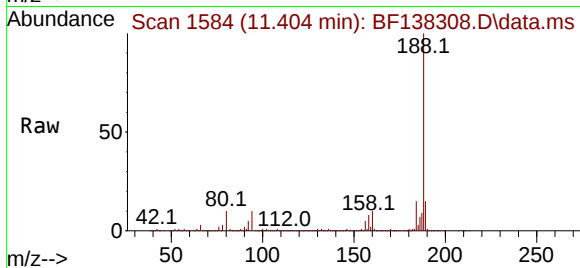
Tgt Ion:188 Resp: 825157

Ion Ratio Lower Upper

188 100

94 9.6 7.6 11.4

80 10.1 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.188 ng

RT: 10.704 min Scan# 1465

Delta R.T. 0.188 min

Lab File: BF138308.D

Acq: 24 Jun 2024 14:13

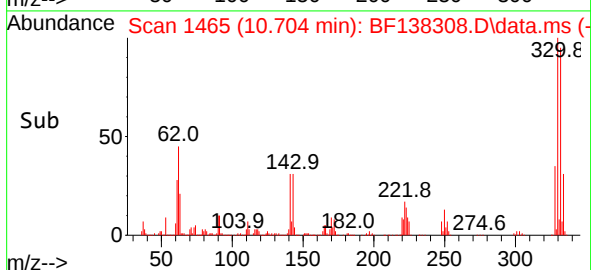
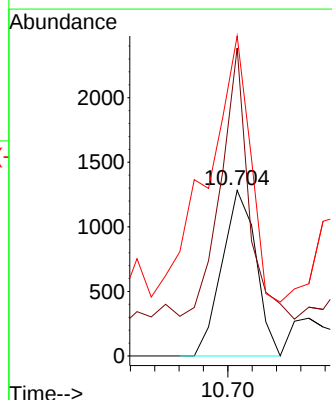
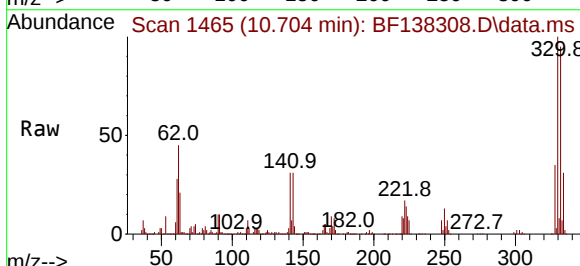
Tgt Ion:198 Resp: 1249

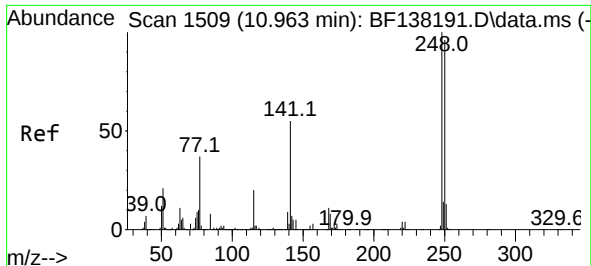
Ion Ratio Lower Upper

198 100

51 185.9 26.9 66.9#

105 193.1 26.0 66.0#

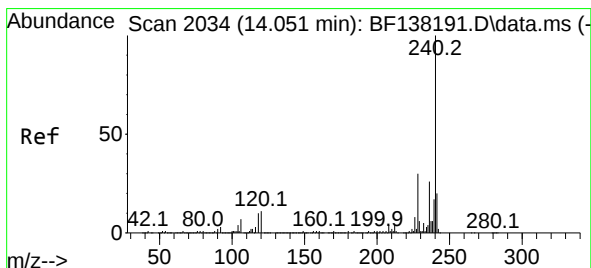
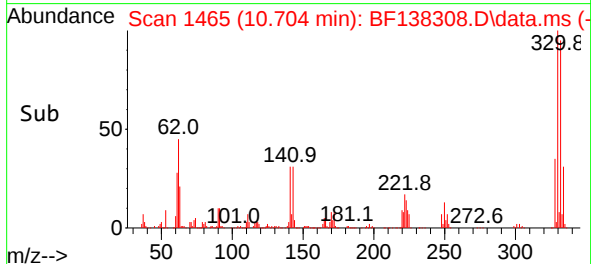
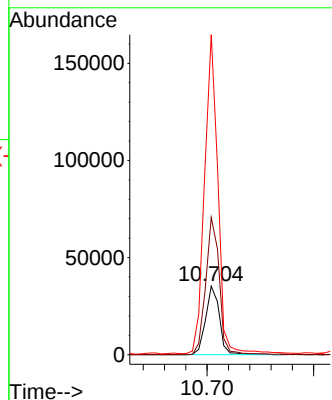
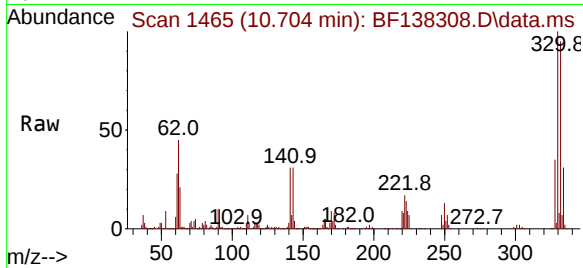




#67  
4-Bromophenyl-phenylether  
Concen: 3.404 ng  
RT: 10.704 min Scan# 14  
Delta R.T. -0.259 min  
Lab File: BF138308.D  
Acq: 24 Jun 2024 14:13

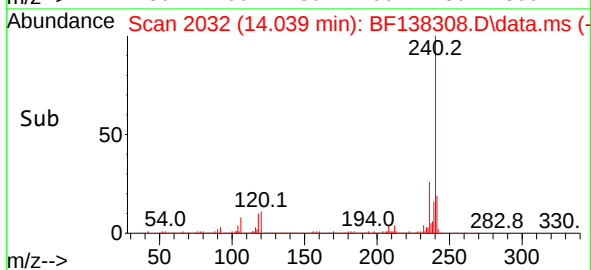
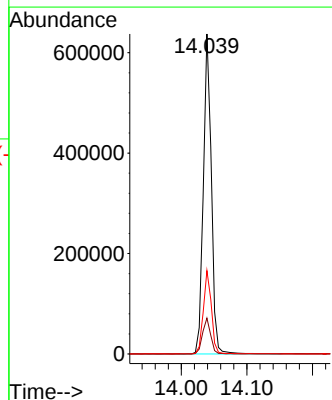
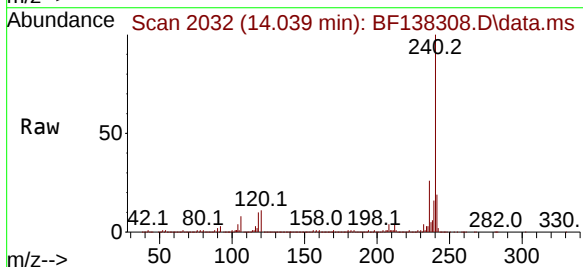
Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TPL

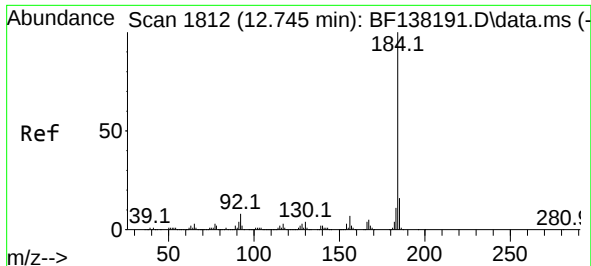
Tgt Ion:248 Resp: 31655  
Ion Ratio Lower Upper  
248 100  
250 200.7 77.2 115.8#  
141 467.7 44.1 66.1#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 2032  
Delta R.T. -0.012 min  
Lab File: BF138308.D  
Acq: 24 Jun 2024 14:13

Tgt Ion:240 Resp: 543065  
Ion Ratio Lower Upper  
240 100  
120 11.2 9.2 13.8  
236 26.0 21.0 31.6





#77

Benzidine

Concen: 3.940 ng

RT: 12.992 min Scan# 1854

Delta R.T. 0.247 min

Lab File: BF138308.D

Acq: 24 Jun 2024 14:13

Instrument :

BNA\_F

ClientSampleId :

WCS-TPL

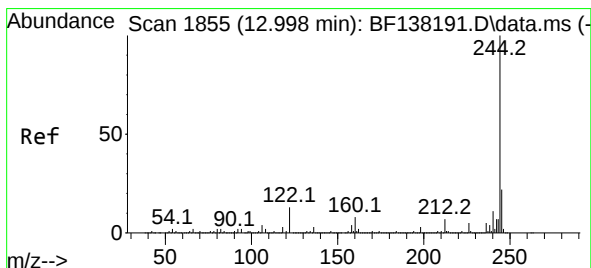
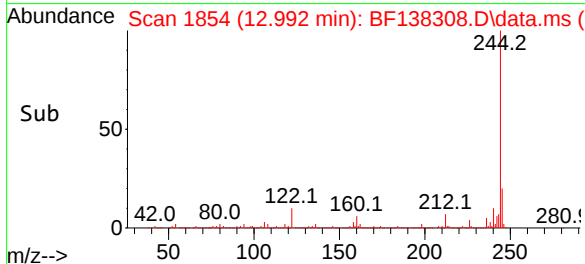
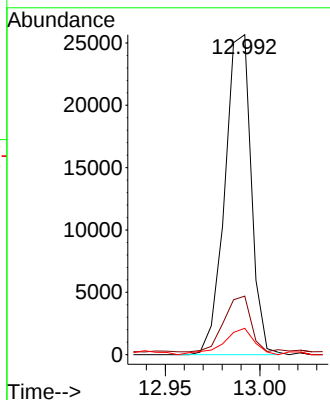
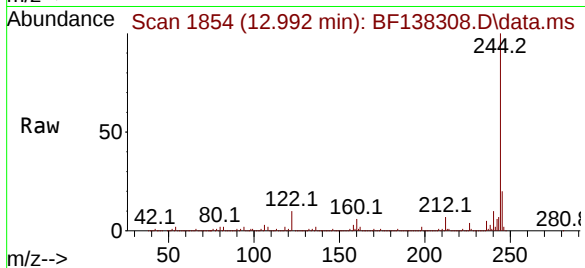
Tgt Ion:184 Resp: 24752

Ion Ratio Lower Upper

184 100

185 18.3 12.6 19.0

183 8.2 9.0 13.6#



#79

Terphenyl-d14

Concen: 59.556 ng

RT: 12.992 min Scan# 1854

Delta R.T. -0.006 min

Lab File: BF138308.D

Acq: 24 Jun 2024 14:13

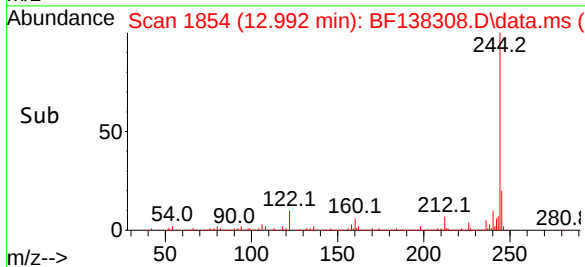
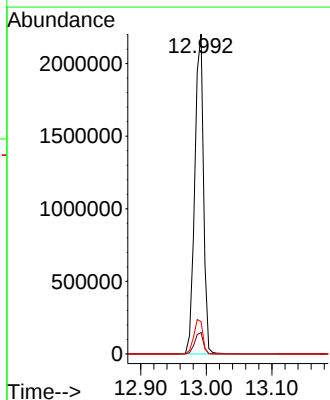
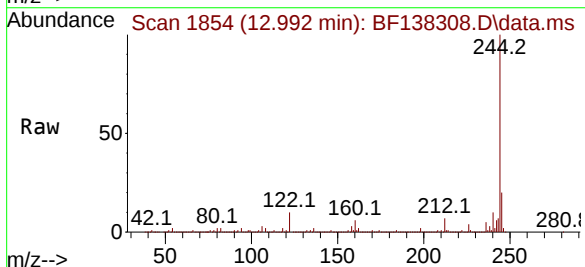
Tgt Ion:244 Resp: 2042049

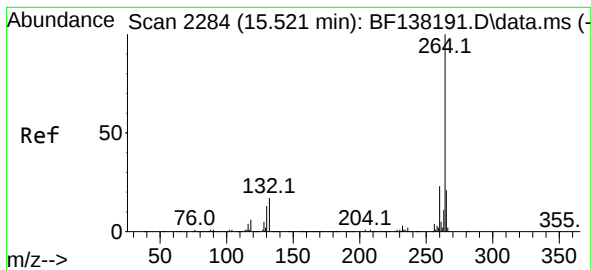
Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

122 10.1 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: BF138308.D

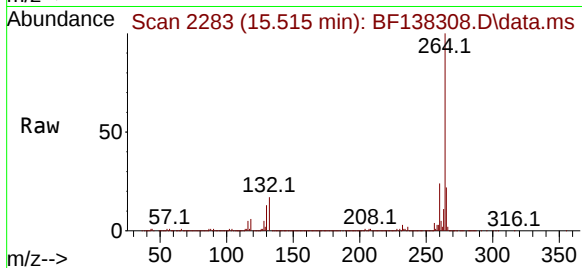
Acq: 24 Jun 2024 14:13

Instrument :

BNA\_F

ClientSampleId :

WCS-TPL



Tgt Ion:264 Resp: 626266

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 21.6 17.0 25.6

