

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062524\  
 Data File : BF138339.D  
 Acq On : 25 Jun 2024 17:36  
 Operator : CG\JU  
 Sample : P3021-12  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ARS20-0015

Quant Time: Jun 25 17:58:09 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

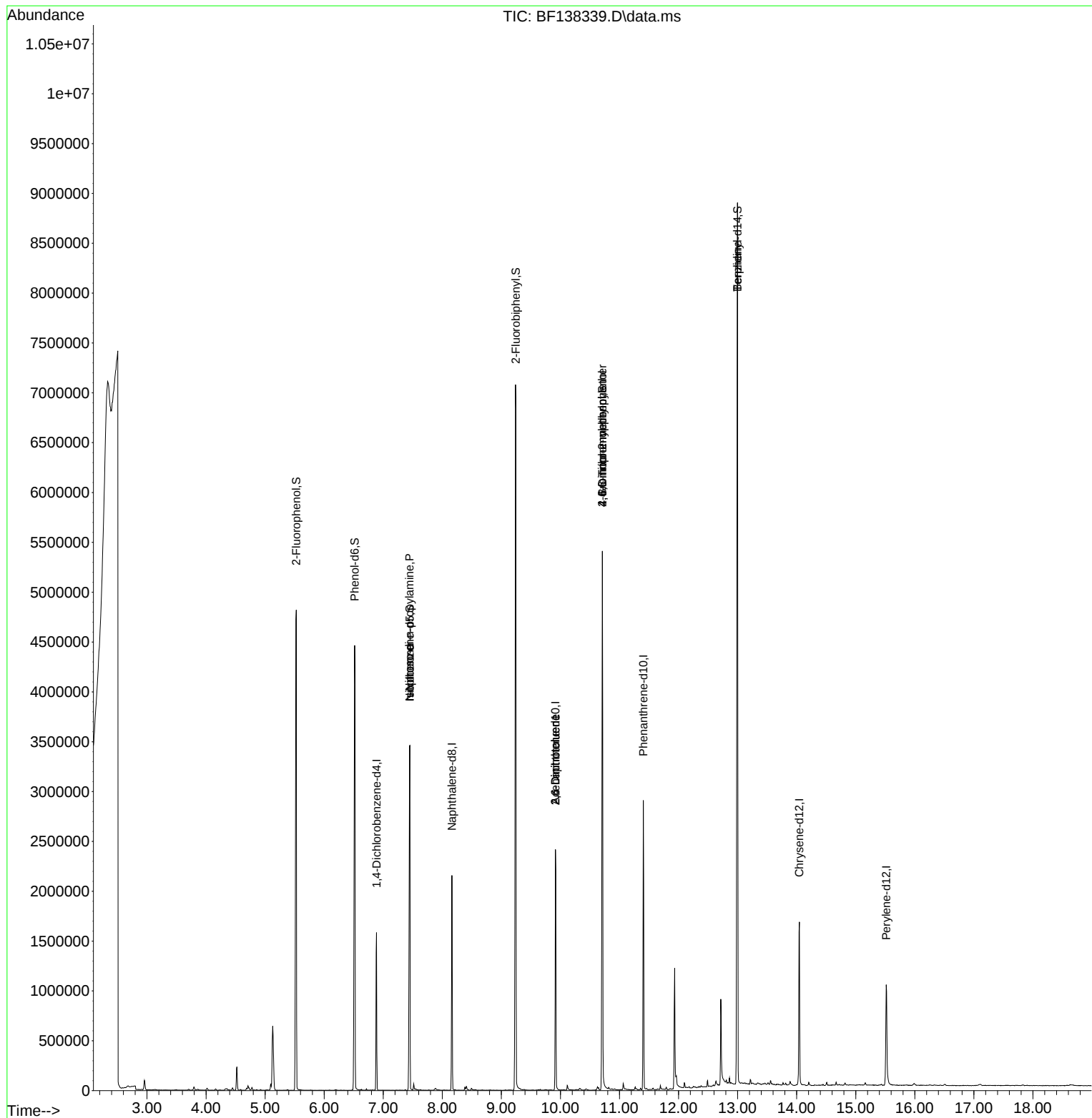
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 229786   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.163  | 136  | 902272   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.916  | 164  | 530021   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.404 | 188  | 1021977  | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 14.045 | 240  | 589406   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.515 | 264  | 547667   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.528  | 112  | 1633415  | 118.912 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.516  | 99   | 1941727  | 111.476 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 1354520  | 87.396  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 802979   | 152.181 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 2613238  | 78.401  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 3473159  | 93.329  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.445  | 70   | 181662   | 17.595  | ng    | # 77     |
| 25) Isophorone                | 7.451  | 82   | 1352655  | 48.251  | ng    | # 62     |
| 51) 2,6-Dinitrotoluene        | 9.916  | 165  | 69319    | 9.839   | ng    | # 25     |
| 57) 2,4-Dinitrotoluene        | 9.916  | 165  | 69321    | 7.978   | ng    | # 31     |
| 65) 4,6-Dinitro-2-methylph... | 10.710 | 198  | 1577     | 7.193   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.710 | 248  | 50326    | 4.370   | ng    | # 1      |
| 77) Benzidine                 | 12.998 | 184  | 44760    | 6.565   | ng    | # 95     |
| -----                         |        |      |          |         |       |          |

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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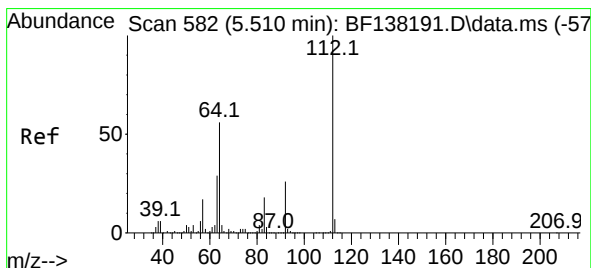
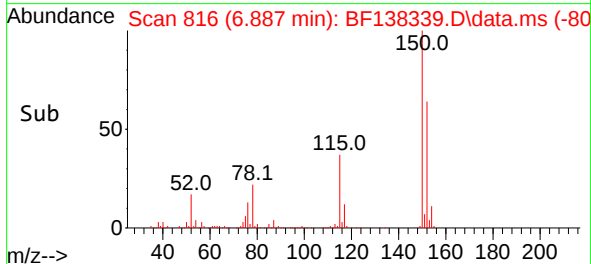
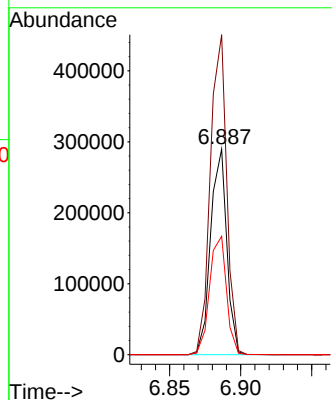
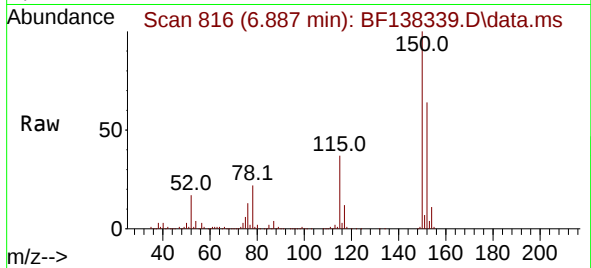




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 817  
Delta R.T. -0.006 min  
Lab File: BF138339.D  
Acq: 25 Jun 2024 17:36

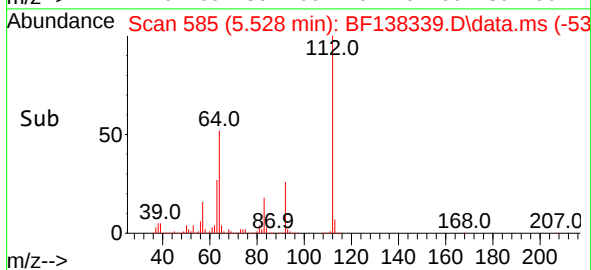
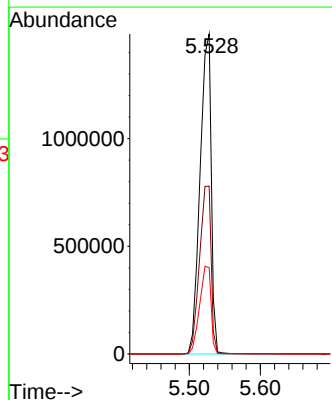
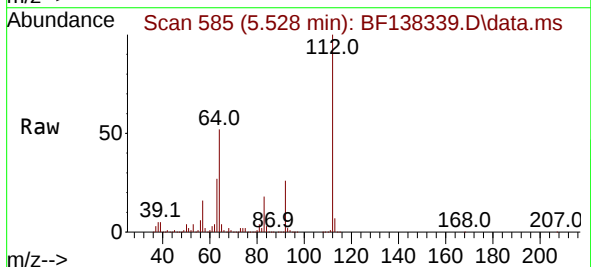
Instrument :  
BNA\_F  
ClientSampleId :  
ARS20-0015

Tgt Ion:152 Resp: 229786  
Ion Ratio Lower Upper  
152 100  
150 155.6 125.0 187.4  
115 57.6 48.4 72.6



#5  
2-Fluorophenol  
Concen: 118.912 ng  
RT: 5.528 min Scan# 585  
Delta R.T. 0.018 min  
Lab File: BF138339.D  
Acq: 25 Jun 2024 17:36

Tgt Ion:112 Resp: 1633415  
Ion Ratio Lower Upper  
112 100  
64 52.5 45.2 67.8  
63 26.9 22.9 34.3

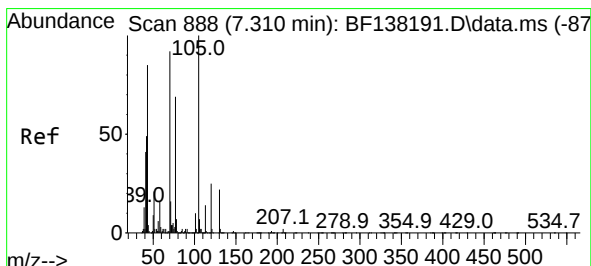
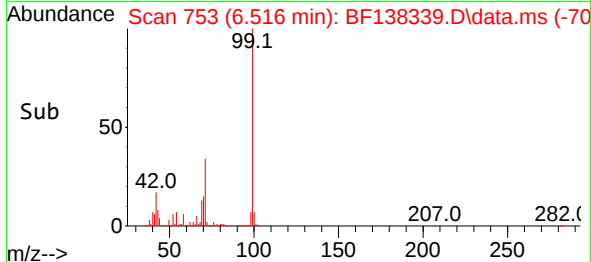
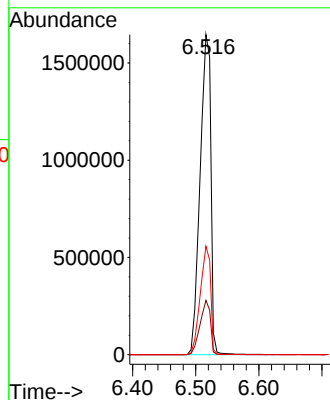
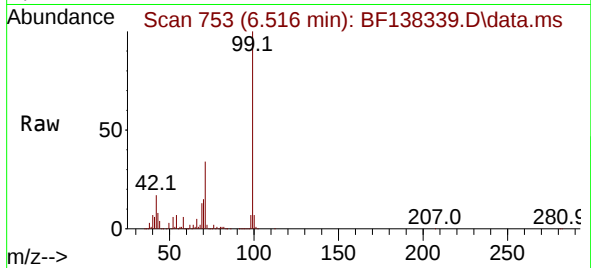




#7  
Phenol-d6  
Concen: 111.476 ng  
RT: 6.516 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF138339.D  
Acq: 25 Jun 2024 17:36

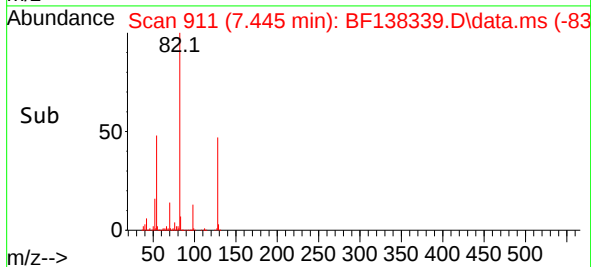
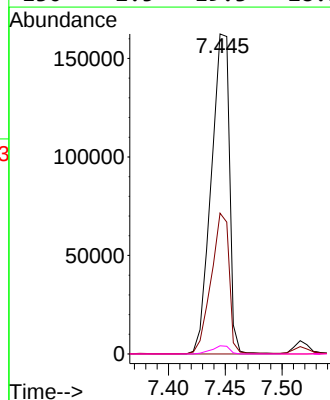
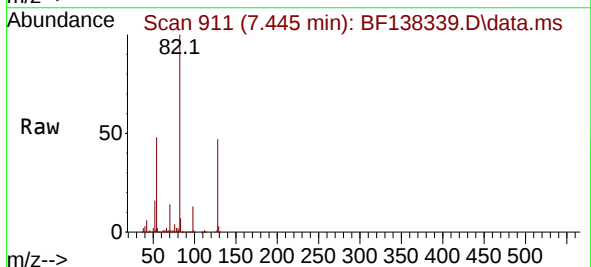
Instrument :  
BNA\_F  
ClientSampleId :  
ARS20-0015

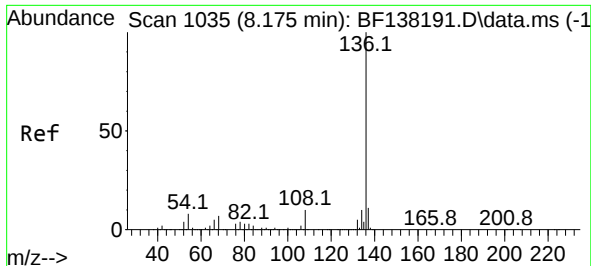
Tgt Ion: 99 Resp: 1941727  
Ion Ratio Lower Upper  
99 100  
42 16.9 13.7 20.5  
71 33.9 25.0 37.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 17.595 ng  
RT: 7.445 min Scan# 911  
Delta R.T. 0.135 min  
Lab File: BF138339.D  
Acq: 25 Jun 2024 17:36

Tgt Ion: 70 Resp: 181662  
Ion Ratio Lower Upper  
70 100  
42 44.0 42.8 64.2  
101 0.0 8.4 12.6#  
130 2.5 19.3 28.9#



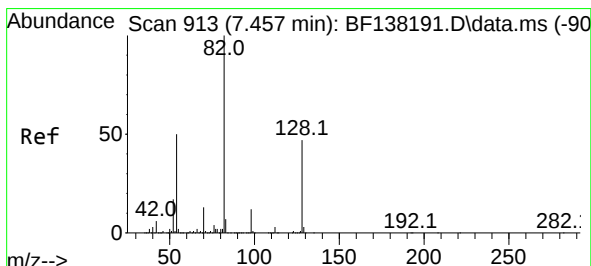
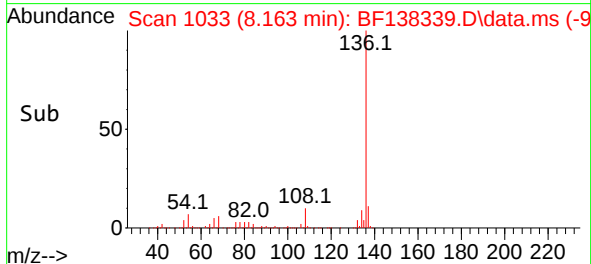
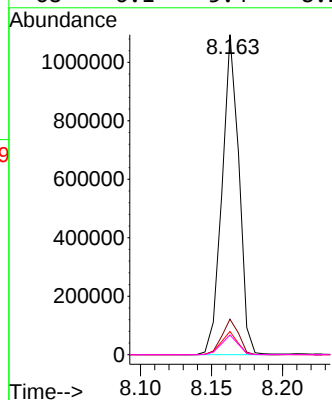
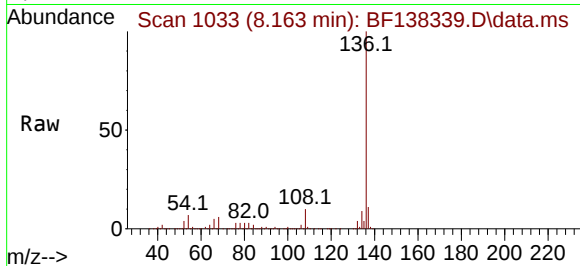


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.163 min Scan# 1033  
Delta R.T. -0.012 min  
Lab File: BF138339.D  
Acq: 25 Jun 2024 17:36

Instrument :  
BNA\_F  
ClientSampleId :  
ARS20-0015

Tgt Ion:136 Resp: 902272

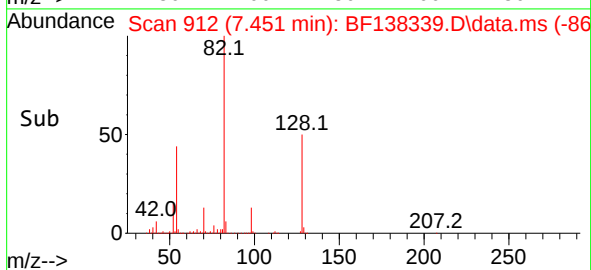
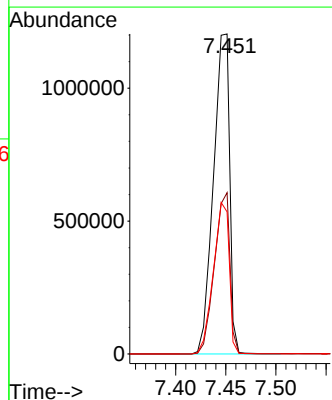
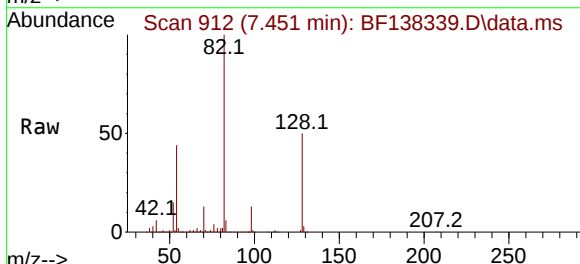
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 9.1   | 13.7  |
| 54  | 7.3   | 6.6   | 10.0  |
| 68  | 6.1   | 5.4   | 8.2   |

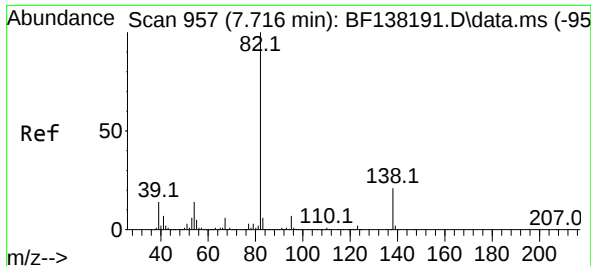


#23  
Nitrobenzene-d5  
Concen: 87.396 ng  
RT: 7.451 min Scan# 912  
Delta R.T. -0.006 min  
Lab File: BF138339.D  
Acq: 25 Jun 2024 17:36

Tgt Ion: 82 Resp: 1354520

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 50.4  | 37.2  | 55.8  |
| 54  | 44.4  | 39.8  | 59.6  |

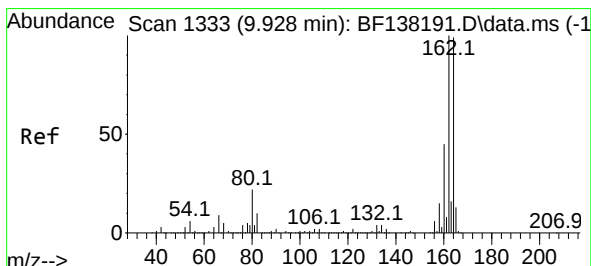
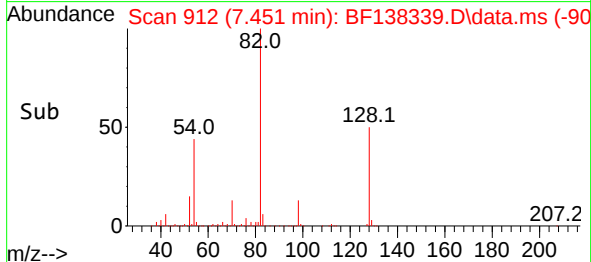
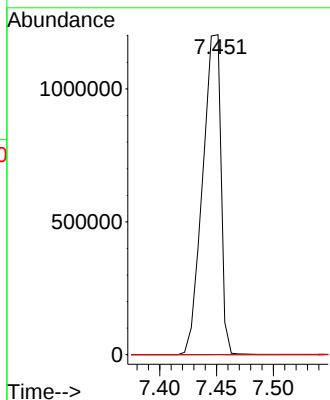
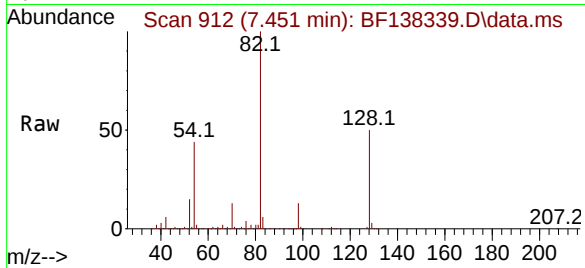




#25  
Isophorone  
Concen: 48.251 ng  
RT: 7.451 min Scan# 91  
Delta R.T. -0.265 min  
Lab File: BF138339.D  
Acq: 25 Jun 2024 17:36

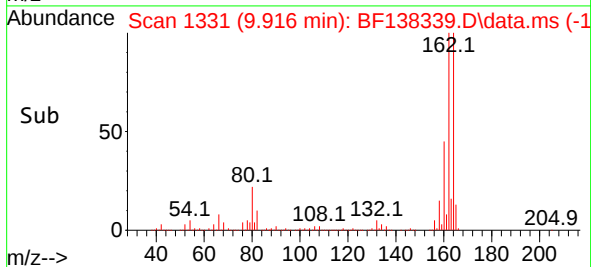
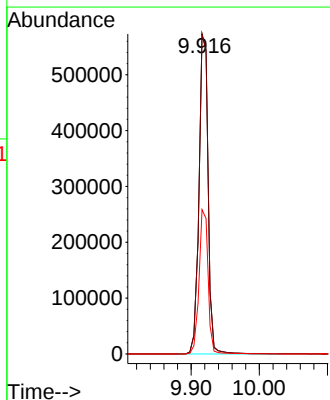
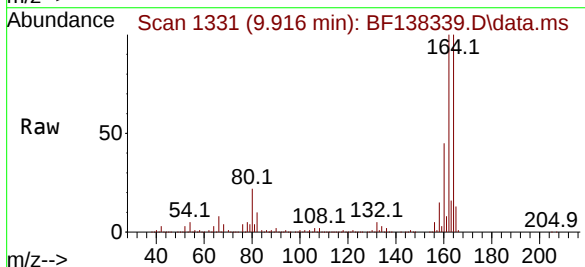
Instrument :  
BNA\_F  
ClientSampleId :  
ARS20-0015

Tgt Ion: 82 Resp: 1352655  
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: BF138339.D  
Acq: 25 Jun 2024 17:36

Tgt Ion:164 Resp: 530021  
Ion Ratio Lower Upper  
164 100  
162 100.0 80.6 121.0  
160 45.1 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 152.181 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF138339.D

Acq: 25 Jun 2024 17:36

Instrument :

BNA\_F

ClientSampleId :

ARS20-0015

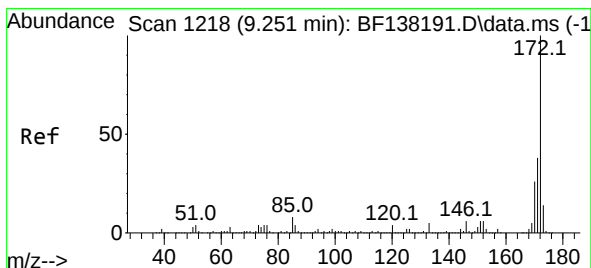
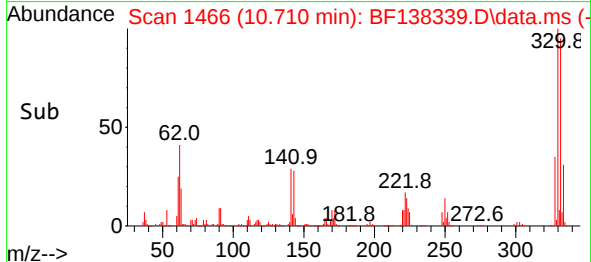
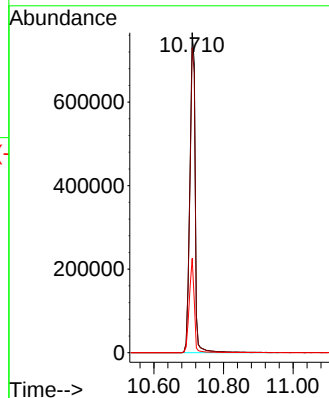
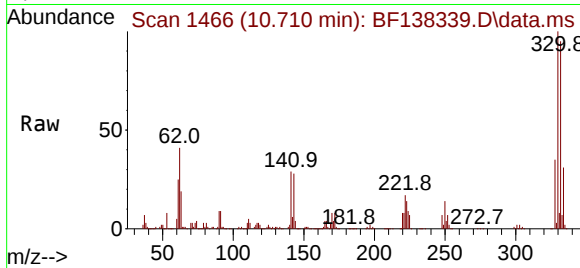
Tgt Ion:330 Resp: 802979

Ion Ratio Lower Upper

330 100

332 95.7 76.6 115.0

141 27.6 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 78.401 ng

RT: 9.245 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF138339.D

Acq: 25 Jun 2024 17:36

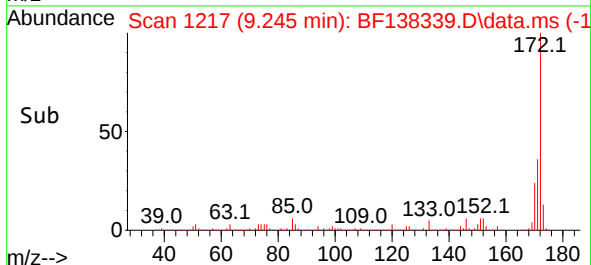
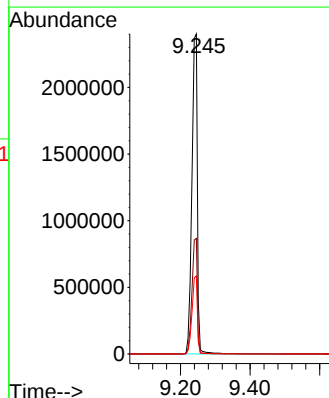
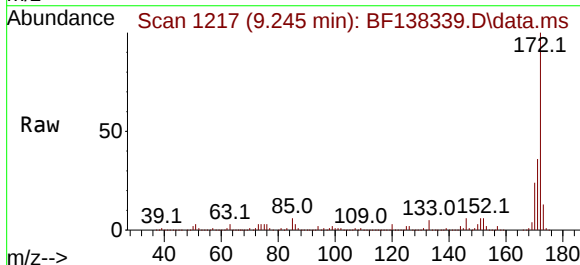
Tgt Ion:172 Resp: 2613238

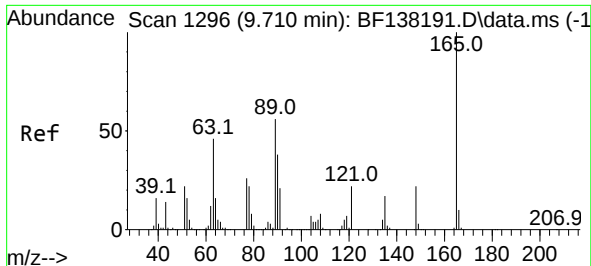
Ion Ratio Lower Upper

172 100

171 36.1 30.3 45.5

170 24.4 20.6 30.8

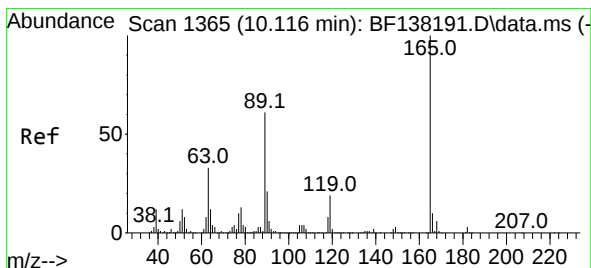
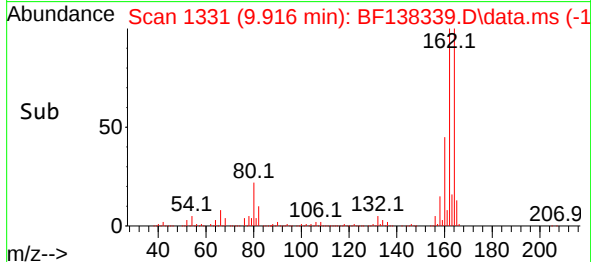
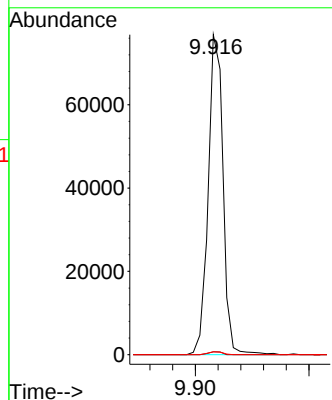
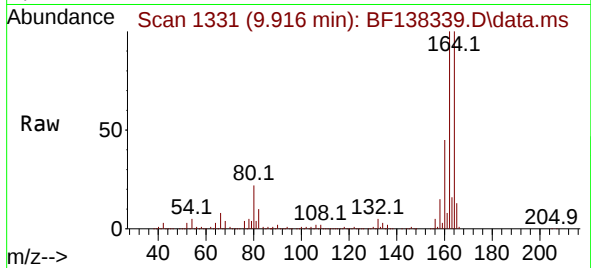




#51  
2,6-Dinitrotoluene  
Concen: 9.839 ng  
RT: 9.916 min Scan# 11  
Delta R.T. 0.206 min  
Lab File: BF138339.D  
Acq: 25 Jun 2024 17:36

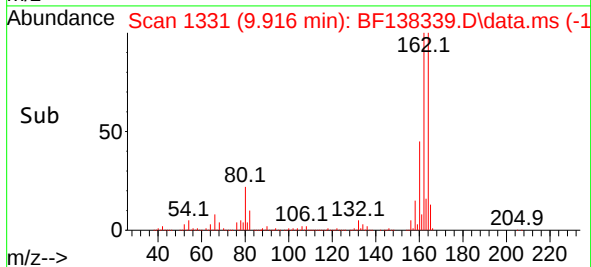
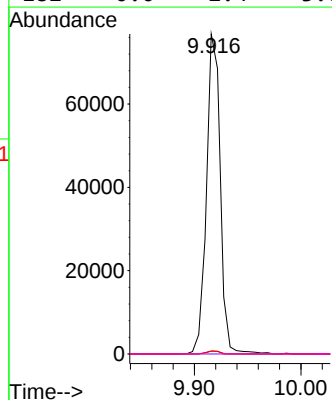
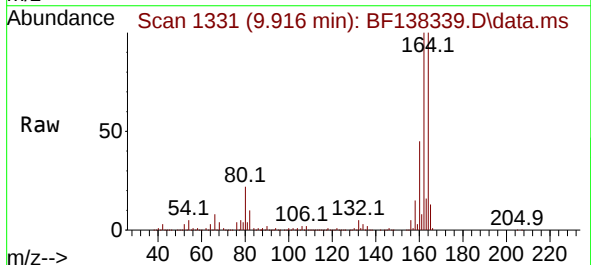
Instrument :  
BNA\_F  
ClientSampleId :  
ARS20-0015

Tgt Ion:165 Resp: 69319  
Ion Ratio Lower Upper  
165 100  
63 0.9 43.7 65.5#  
89 0.9 44.9 67.3#



#57  
2,4-Dinitrotoluene  
Concen: 7.978 ng  
RT: 9.916 min Scan# 1331  
Delta R.T. -0.200 min  
Lab File: BF138339.D  
Acq: 25 Jun 2024 17:36

Tgt Ion:165 Resp: 69321  
Ion Ratio Lower Upper  
165 100  
63 0.9 26.6 39.8#  
89 0.9 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: BF138339.D

Acq: 25 Jun 2024 17:36

Instrument :

BNA\_F

ClientSampleId :

ARS20-0015

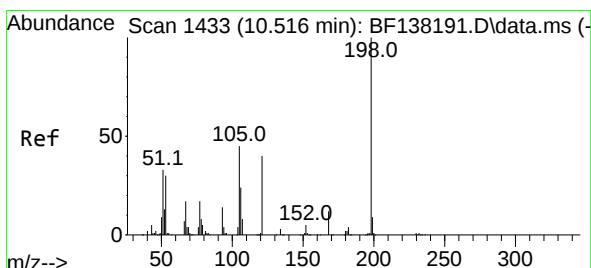
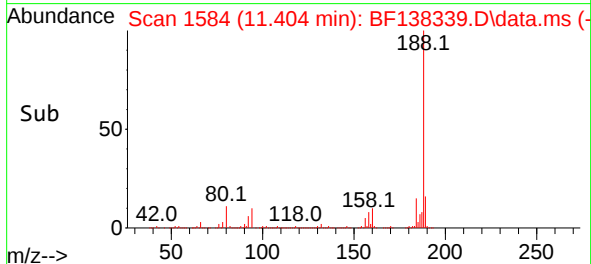
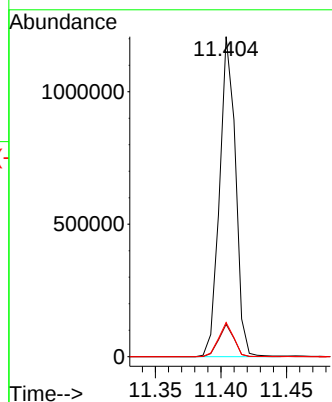
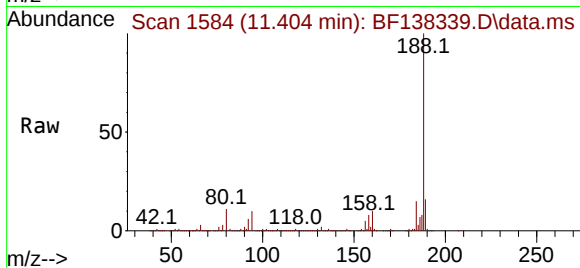
Tgt Ion:188 Resp: 1021977

Ion Ratio Lower Upper

188 100

94 10.1 7.6 11.4

80 10.7 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.193 ng

RT: 10.710 min Scan# 1466

Delta R.T. 0.194 min

Lab File: BF138339.D

Acq: 25 Jun 2024 17:36

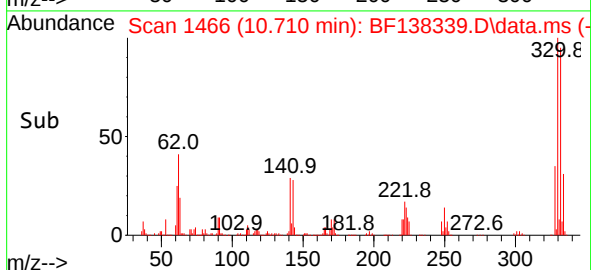
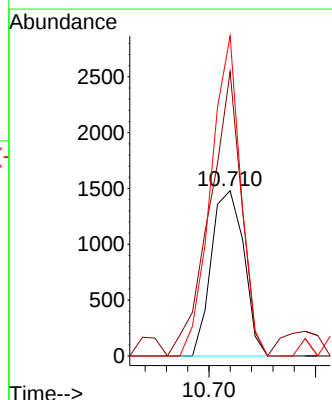
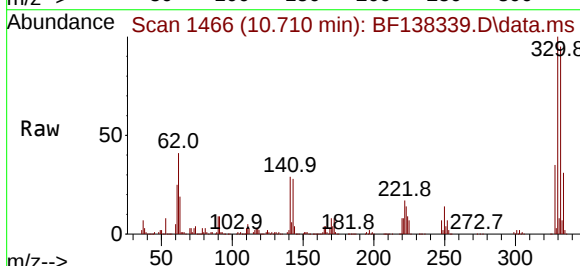
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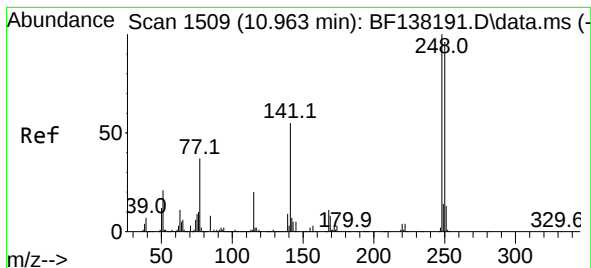
Ion Ratio Lower Upper

198 100

51 172.1 26.9 66.9#

105 193.6 26.0 66.0#

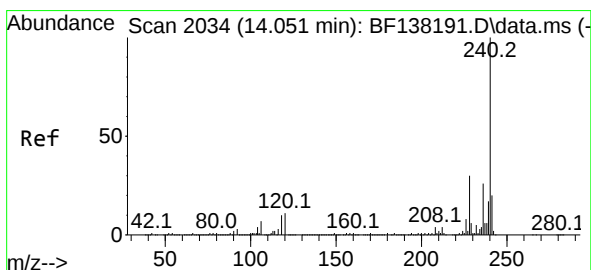
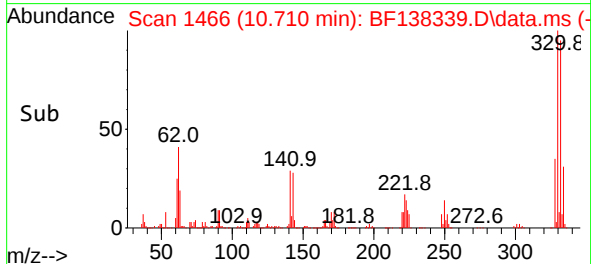
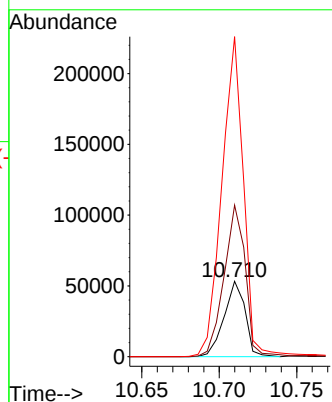
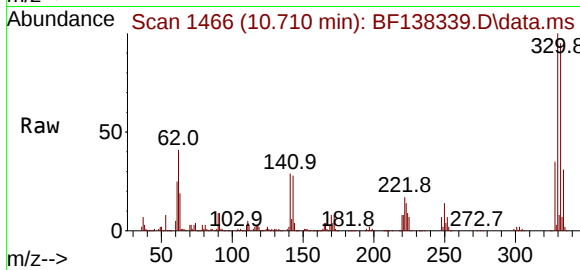




#67  
4-Bromophenyl-phenylether  
Concen: 4.370 ng  
RT: 10.710 min Scan# 14  
Delta R.T. -0.253 min  
Lab File: BF138339.D  
Acq: 25 Jun 2024 17:36

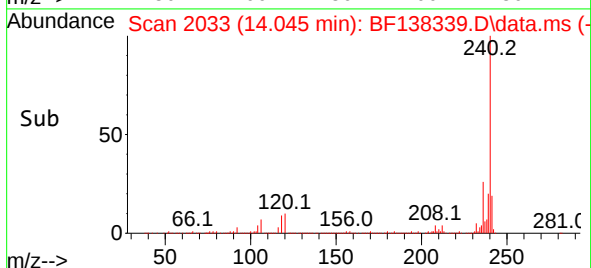
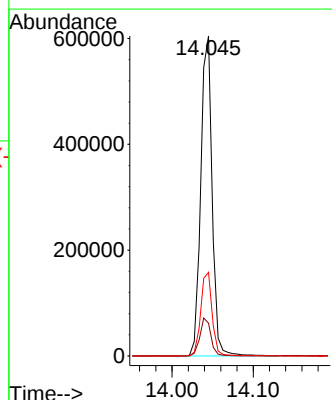
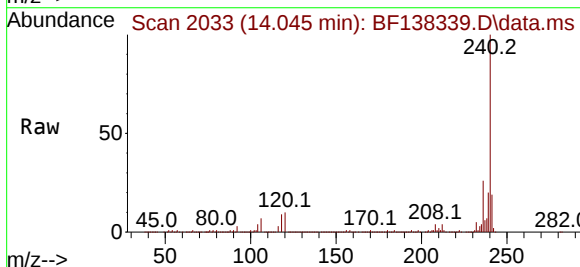
Instrument :  
BNA\_F  
ClientSampleId :  
ARS20-0015

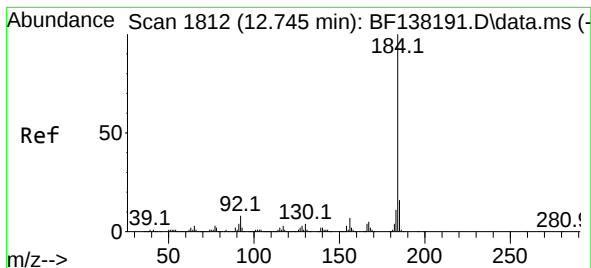
Tgt Ion:248 Resp: 50326  
Ion Ratio Lower Upper  
248 100  
250 201.1 77.2 115.8#  
141 424.7 44.1 66.1#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 2033  
Delta R.T. -0.006 min  
Lab File: BF138339.D  
Acq: 25 Jun 2024 17:36

Tgt Ion:240 Resp: 589406  
Ion Ratio Lower Upper  
240 100  
120 10.2 9.2 13.8  
236 26.1 21.0 31.6





#77

Benzidine

Concen: 6.565 ng

RT: 12.998 min Scan# 1855

Delta R.T. 0.253 min

Lab File: BF138339.D

Acq: 25 Jun 2024 17:36

Instrument :

BNA\_F

ClientSampleId :

ARS20-0015

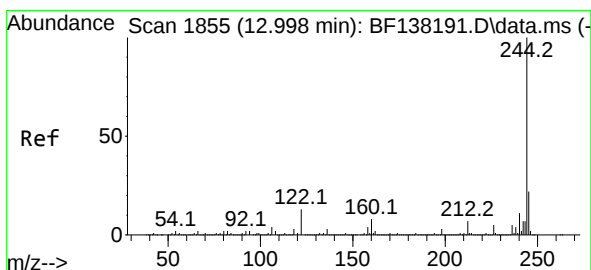
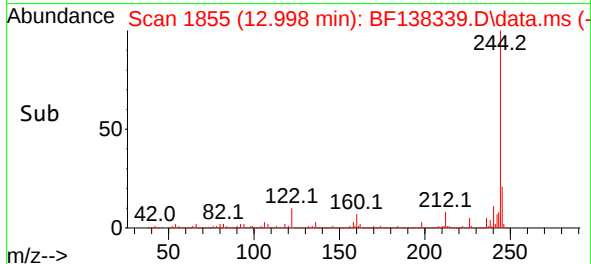
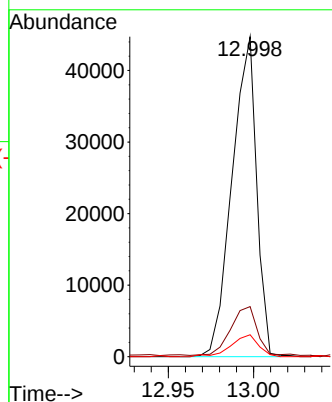
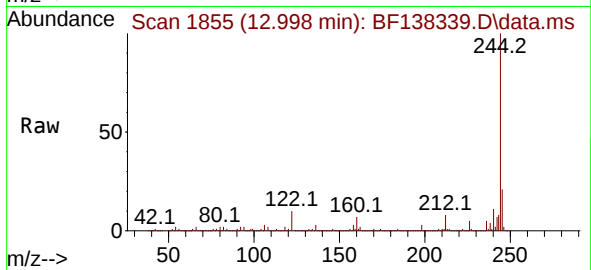
Tgt Ion:184 Resp: 44760

Ion Ratio Lower Upper

184 100

185 15.6 12.6 19.0

183 6.9 9.0 13.6#



#79

Terphenyl-d14

Concen: 93.329 ng

RT: 12.998 min Scan# 1855

Delta R.T. -0.000 min

Lab File: BF138339.D

Acq: 25 Jun 2024 17:36

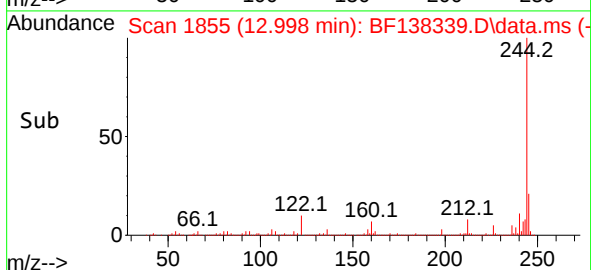
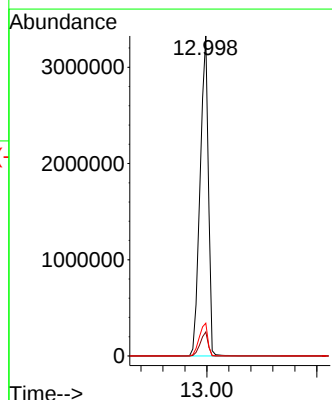
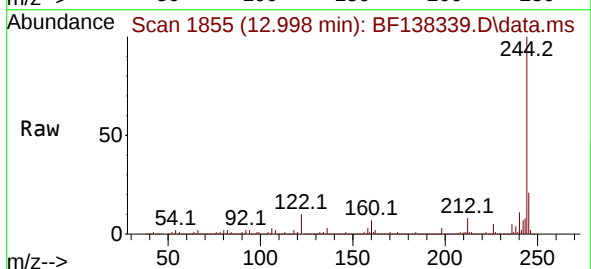
Tgt Ion:244 Resp: 3473159

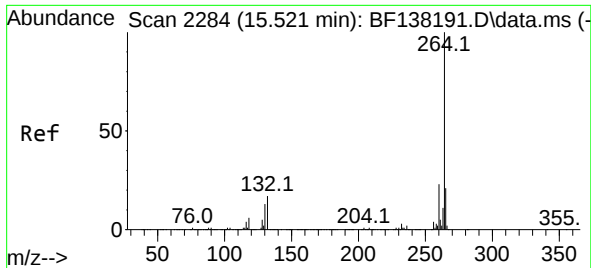
Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

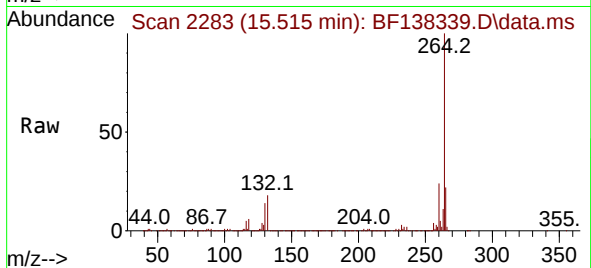
122 10.2 10.6 15.8#





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.515 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF138339.D  
Acq: 25 Jun 2024 17:36

Instrument :  
BNA\_F  
ClientSampleId :  
ARS20-0015



Tgt Ion:264 Resp: 547667  
Ion Ratio Lower Upper  
264 100  
260 23.9 18.7 28.1  
265 22.1 17.0 25.6

