

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052022\  
 Data File : BF128370.D  
 Acq On : 20 May 2022 18:09  
 Operator : CG\JU  
 Sample : N2943-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-41

Quant Time: May 23 02:39:15 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052022.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat May 21 05:28:09 2022  
 Response via : Initial Calibration

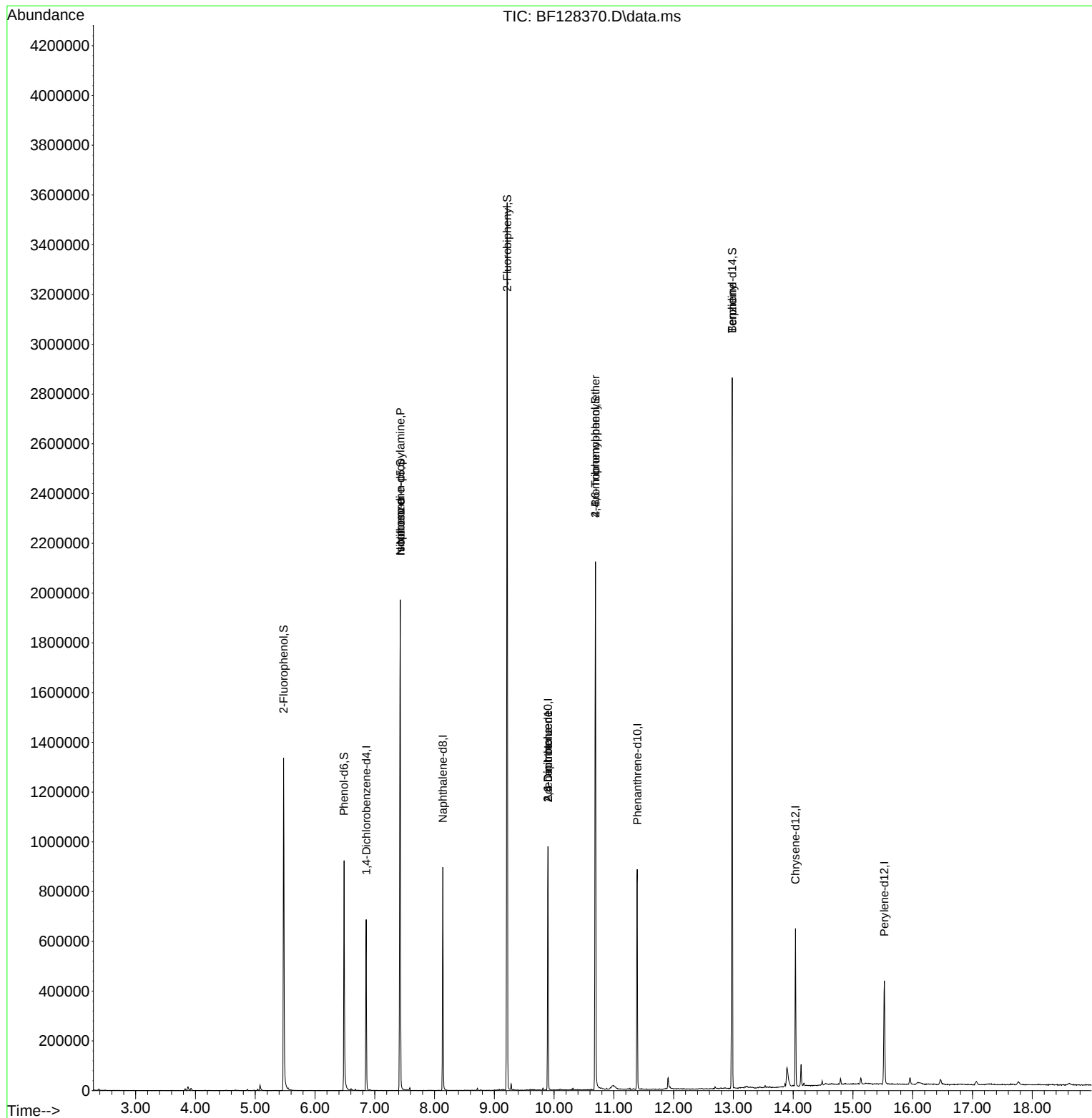
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.857  | 152  | 93593    | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.139  | 136  | 354334   | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.898  | 164  | 195127   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.392 | 188  | 334497   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 14.039 | 240  | 198984   | 20.000    | ng     | -0.01    |
| 86) Perylene-d12              | 15.527 | 264  | 179416   | 20.000    | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 354036   | 60.197    | ng     | 0.00     |
| 7) Phenol-d6                  | 6.487  | 99   | 286952   | 37.053    | ng     | -0.01    |
| 23) Nitrobenzene-d5           | 7.428  | 82   | 659586   | 83.404    | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.692 | 330  | 241089   | 119.805   | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.216  | 172  | 1014770  | 85.047    | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 990358   | 96.078    | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.487  | 77   | 503      | Below Cal | #      | 3        |
| 19) n-Nitroso-di-n-propyla... | 7.428  | 70   | 88625    | 19.134    | ng     | # 80     |
| 25) Isophorone                | 7.428  | 82   | 659578   | 54.424    | ng     | # 68     |
| 51) 2,6-Dinitrotoluene        | 9.898  | 165  | 25231    | 9.281     | ng     | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.898  | 165  | 25231    | 7.367     | ng     | # 26     |
| 67) 4-Bromophenyl-phenylether | 10.692 | 248  | 14320    | 4.091     | ng     | # 1      |
| 77) Benizidine                | 12.980 | 184  | 14677    | 3.546     | ng     | # 92     |
| -----                         |        |      |          |           |        |          |

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

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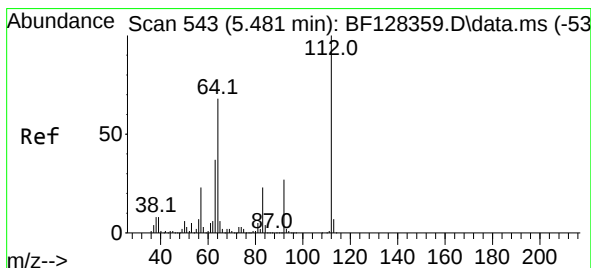
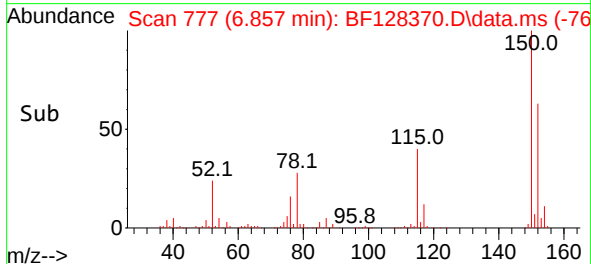
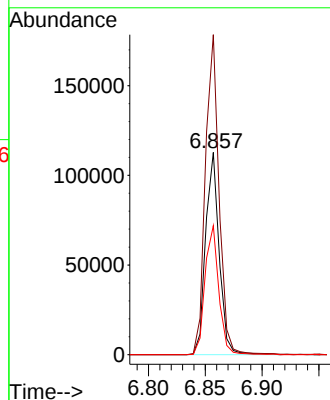
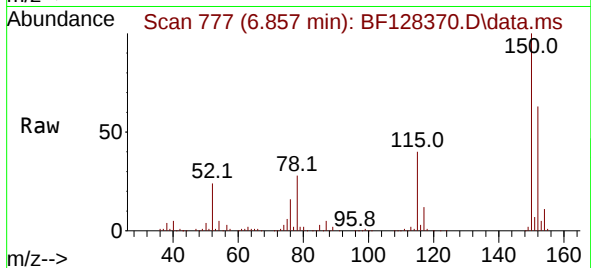




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.857 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF128370.D  
Acq: 20 May 2022 18:09

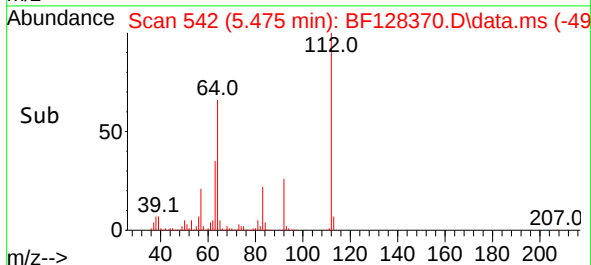
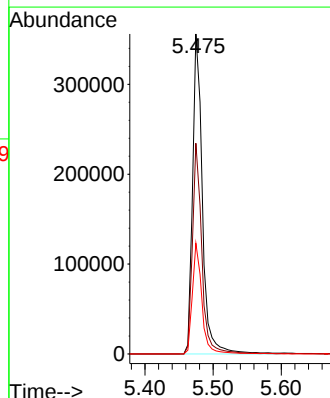
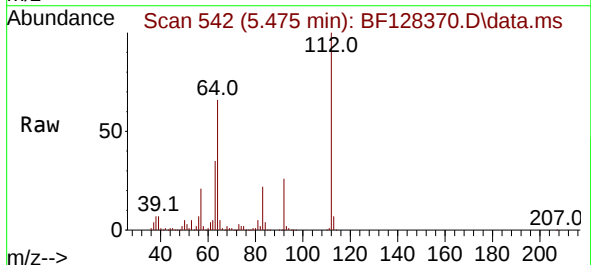
Instrument :  
BNA\_F  
ClientSampleId :  
MW-41

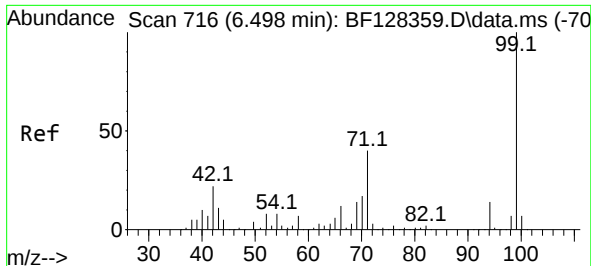
Tgt Ion:152 Resp: 93593  
Ion Ratio Lower Upper  
152 100  
150 158.3 125.3 187.9  
115 63.8 48.8 73.2



#5  
2-Fluorophenol  
Concen: 60.197 ng  
RT: 5.475 min Scan# 542  
Delta R.T. -0.006 min  
Lab File: BF128370.D  
Acq: 20 May 2022 18:09

Tgt Ion:112 Resp: 354036  
Ion Ratio Lower Upper  
112 100  
64 65.8 49.5 74.3  
63 34.6 26.3 39.5

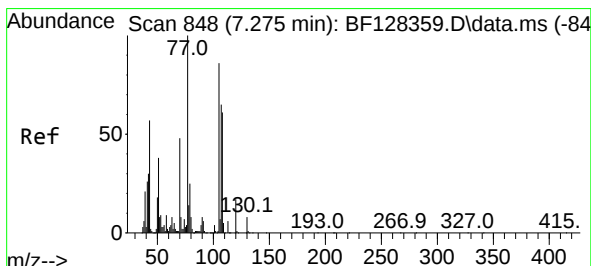
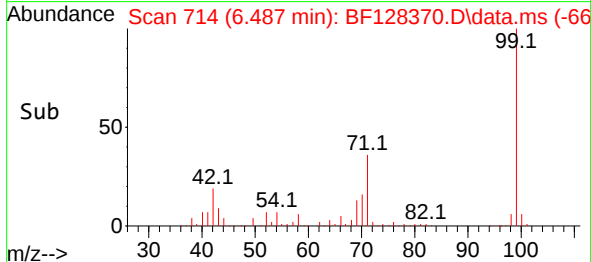
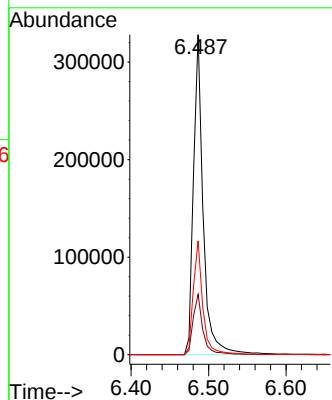
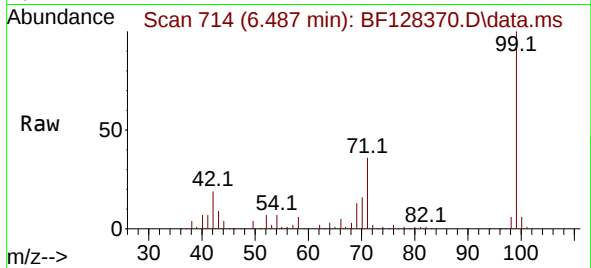




#7  
Phenol-d6  
Concen: 37.053 ng  
RT: 6.487 min Scan# 716  
Delta R.T. -0.012 min  
Lab File: BF128370.D  
Acq: 20 May 2022 18:09

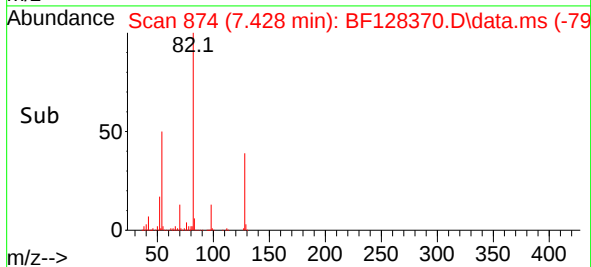
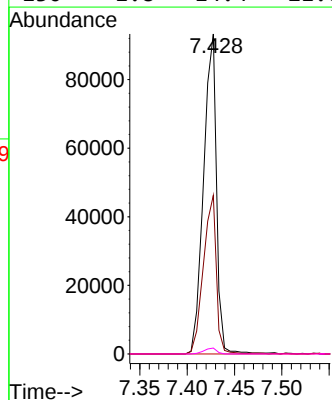
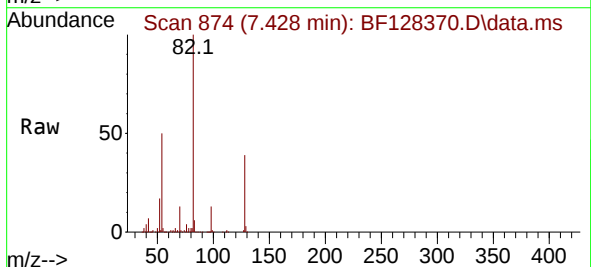
Instrument :  
BNA\_F  
ClientSampleId :  
MW-41

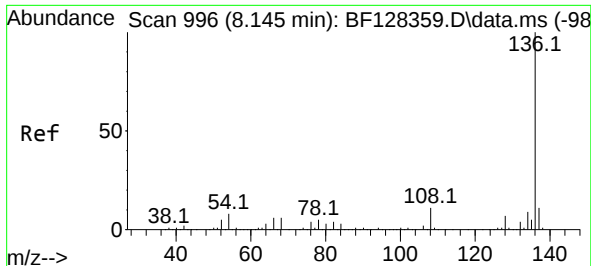
Tgt Ion: 99 Resp: 286952  
Ion Ratio Lower Upper  
99 100  
42 18.8 16.6 24.8  
71 35.6 30.0 45.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 19.134 ng  
RT: 7.428 min Scan# 874  
Delta R.T. 0.153 min  
Lab File: BF128370.D  
Acq: 20 May 2022 18:09

Tgt Ion: 70 Resp: 88625  
Ion Ratio Lower Upper  
70 100  
42 49.6 48.7 73.1  
101 0.0 7.2 10.8#  
130 1.8 14.4 21.6#

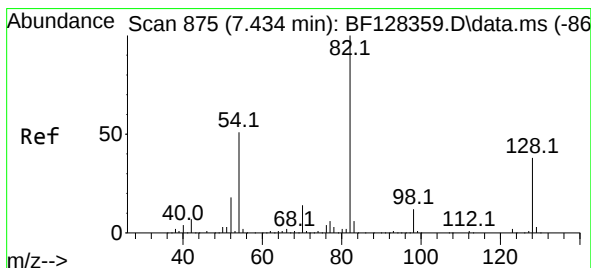
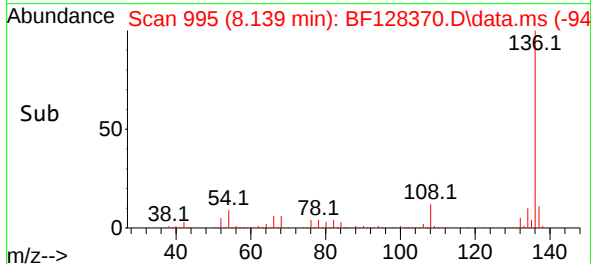
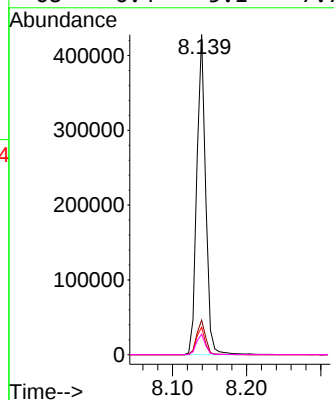
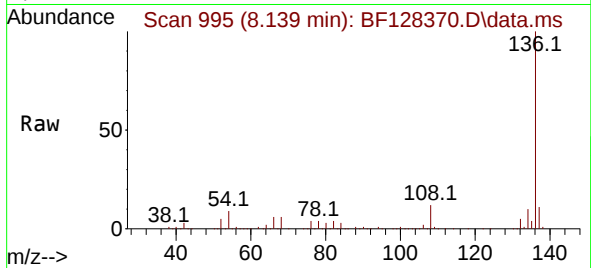




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.139 min Scan# 996  
Delta R.T. -0.006 min  
Lab File: BF128370.D  
Acq: 20 May 2022 18:09

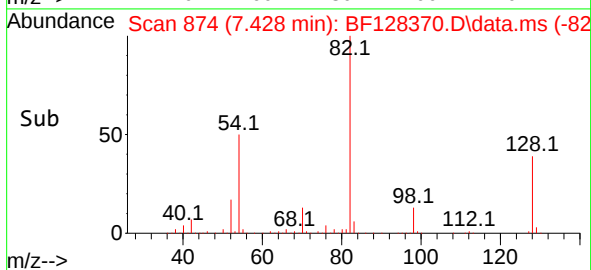
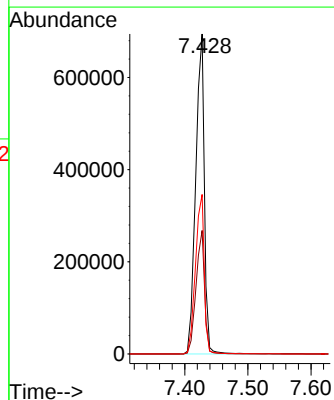
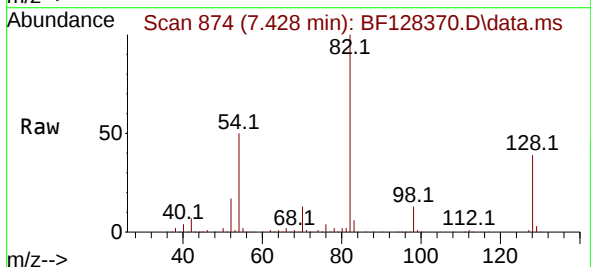
Instrument :  
BNA\_F  
ClientSampleId :  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 354334 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.6   | 13.0   |
| 54       | 8.6   | 6.8   | 10.2   |
| 68       | 6.4   | 5.1   | 7.7    |



#23  
Nitrobenzene-d5  
Concen: 83.404 ng  
RT: 7.428 min Scan# 874  
Delta R.T. -0.006 min  
Lab File: BF128370.D  
Acq: 20 May 2022 18:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 659586 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 38.6  | 30.0  | 45.0   |
| 54       | 49.8  | 41.3  | 61.9   |

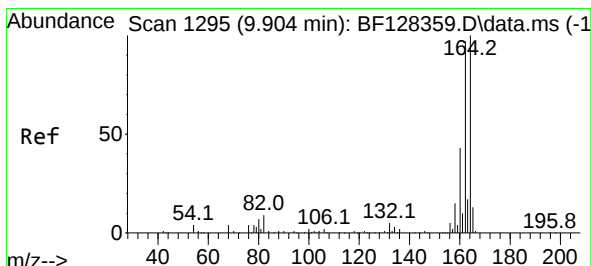
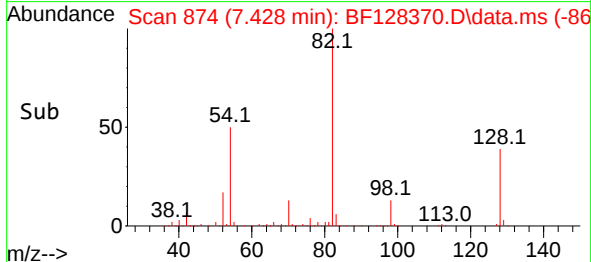
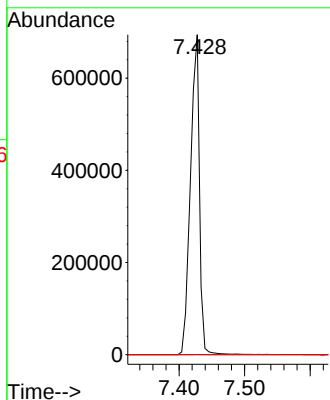
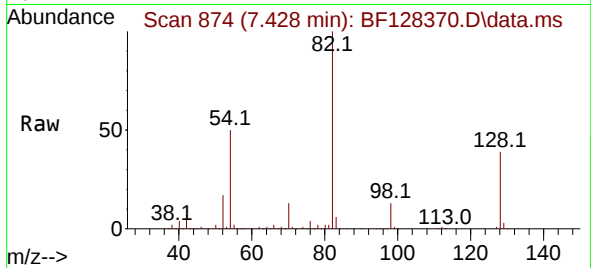




#25  
Isophorone  
Concen: 54.424 ng  
RT: 7.428 min Scan# 81  
Delta R.T. -0.259 min  
Lab File: BF128370.D  
Acq: 20 May 2022 18:09

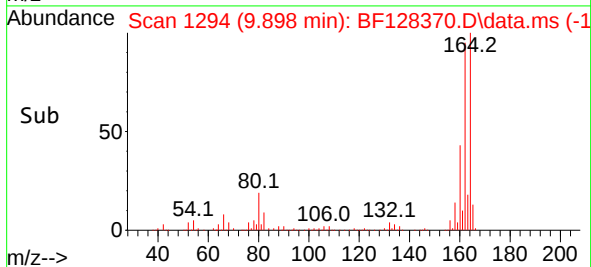
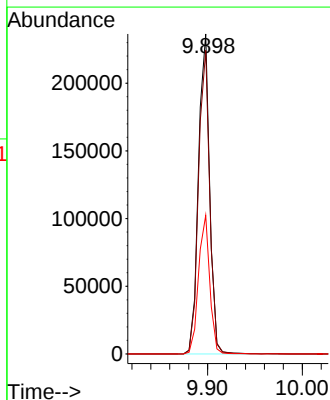
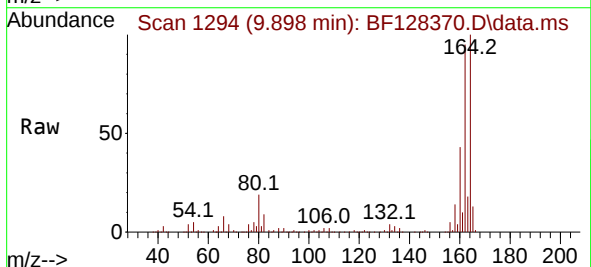
Instrument :  
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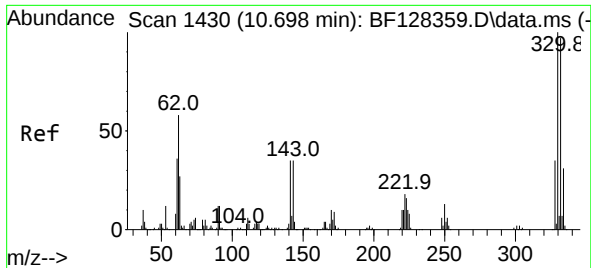
Tgt Ion: 82 Resp: 659578  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 12.5 18.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.898 min Scan# 1294  
Delta R.T. -0.006 min  
Lab File: BF128370.D  
Acq: 20 May 2022 18:09

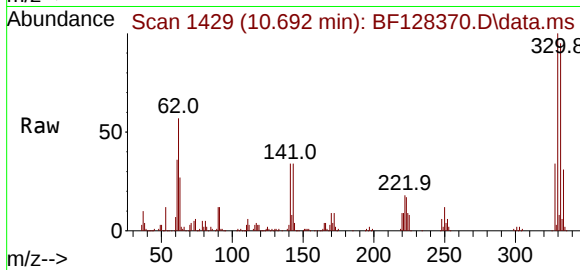
Tgt Ion:164 Resp: 195127  
Ion Ratio Lower Upper  
164 100  
162 94.8 76.0 114.0  
160 43.3 34.8 52.2



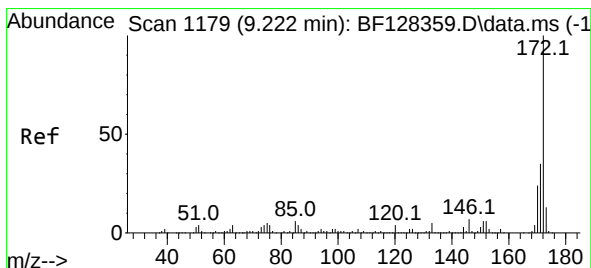
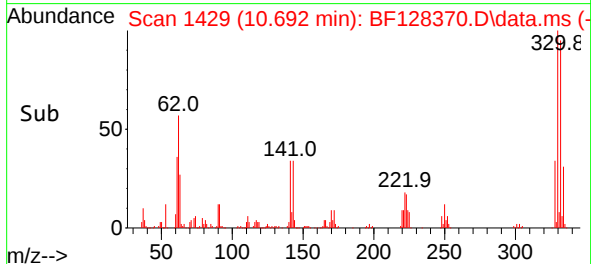
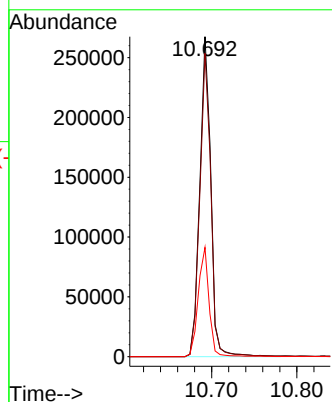


#42  
2,4,6-Tribromophenol  
Concen: 119.805 ng  
RT: 10.692 min Scan# 1429  
Delta R.T. -0.006 min  
Lab File: BF128370.D  
Acq: 20 May 2022 18:09

Instrument :  
BNA\_F  
ClientSampleId :  
MW-41

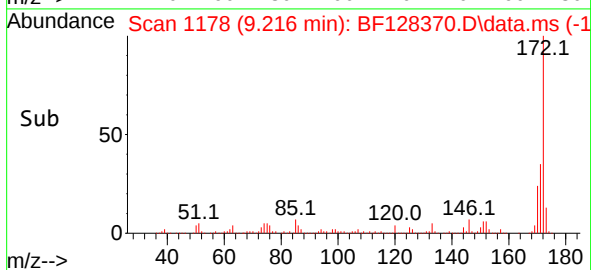
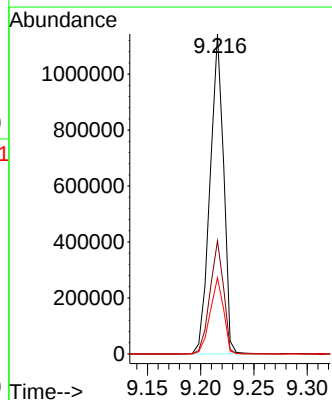
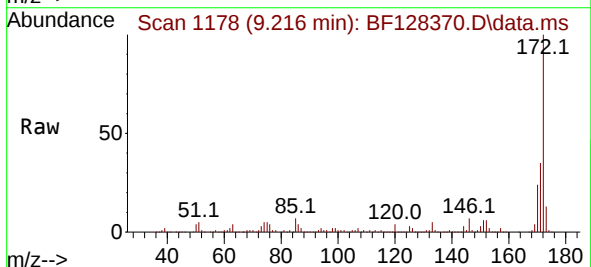


Tgt Ion:330 Resp: 241089  
Ion Ratio Lower Upper  
330 100  
332 95.2 79.0 118.4  
141 33.8 28.9 43.3



#45  
2-Fluorobiphenyl  
Concen: 85.047 ng  
RT: 9.216 min Scan# 1178  
Delta R.T. -0.006 min  
Lab File: BF128370.D  
Acq: 20 May 2022 18:09

Tgt Ion:172 Resp: 1014770  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.6 42.8  
170 23.8 19.1 28.7

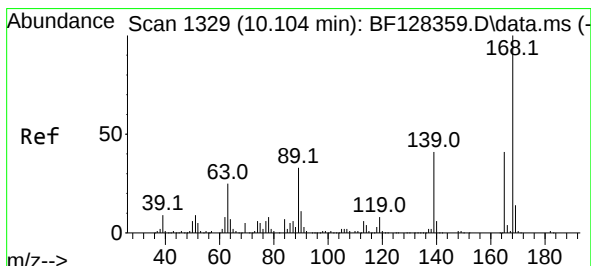
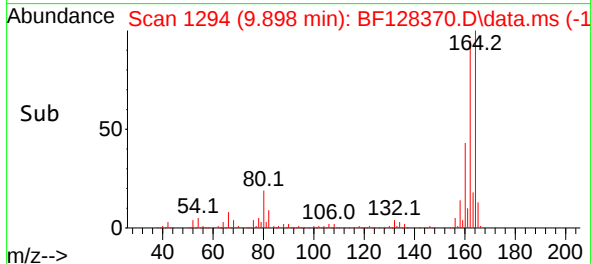
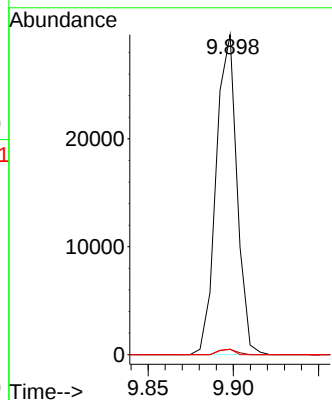
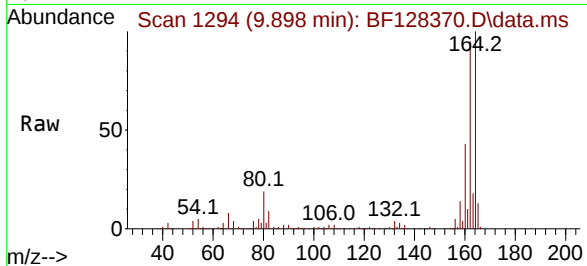




#51  
2,6-Dinitrotoluene  
Concen: 9.281 ng  
RT: 9.898 min Scan# 1294  
Delta R.T. 0.206 min  
Lab File: BF128370.D  
Acq: 20 May 2022 18:09

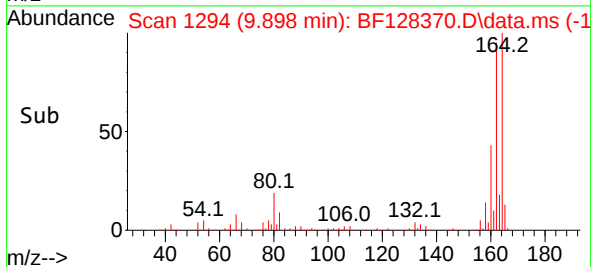
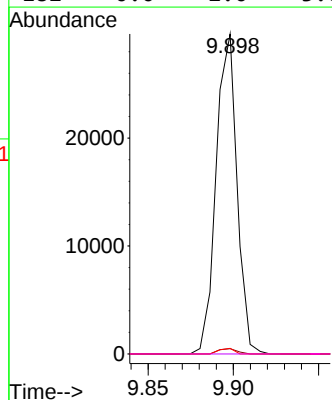
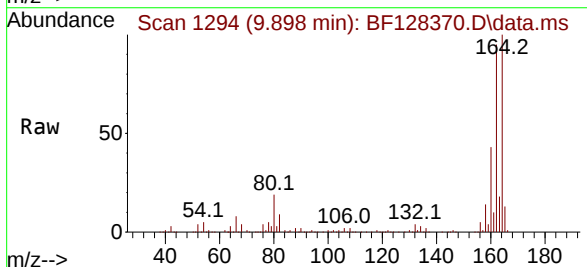
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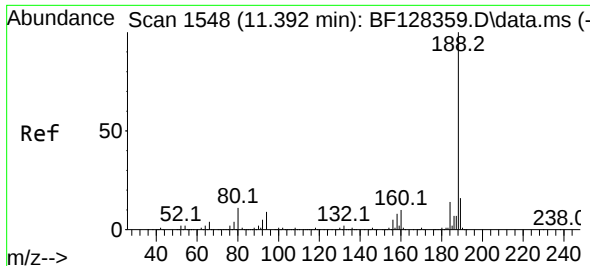
Tgt Ion:165 Resp: 25231  
Ion Ratio Lower Upper  
165 100  
63 1.7 49.5 74.3#  
89 1.8 49.0 73.4#



#57  
2,4-Dinitrotoluene  
Concen: 7.367 ng  
RT: 9.898 min Scan# 1294  
Delta R.T. -0.206 min  
Lab File: BF128370.D  
Acq: 20 May 2022 18:09

Tgt Ion:165 Resp: 25231  
Ion Ratio Lower Upper  
165 100  
63 1.7 32.6 49.0#  
89 1.8 55.2 82.8#  
182 0.0 2.0 3.0#

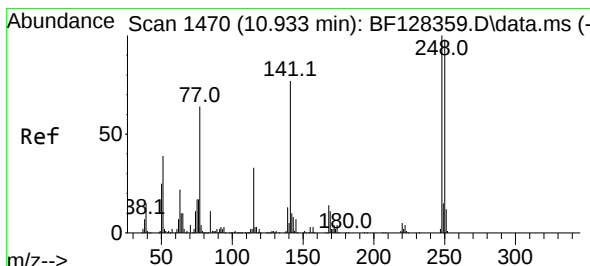
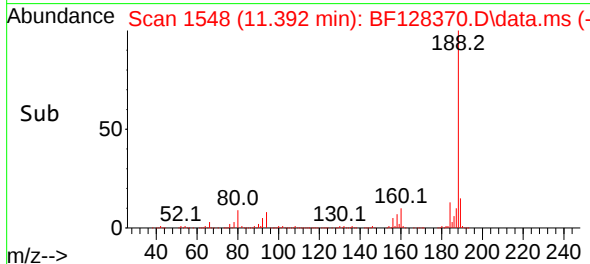
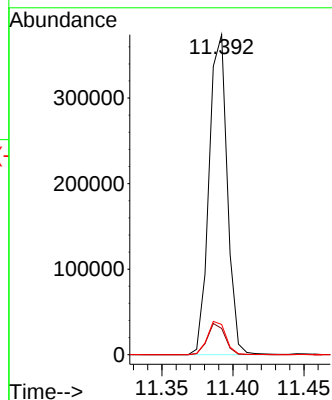
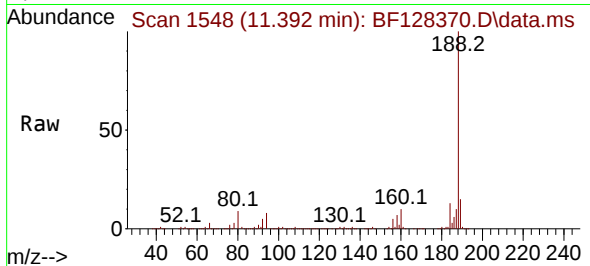




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.392 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF128370.D  
Acq: 20 May 2022 18:09

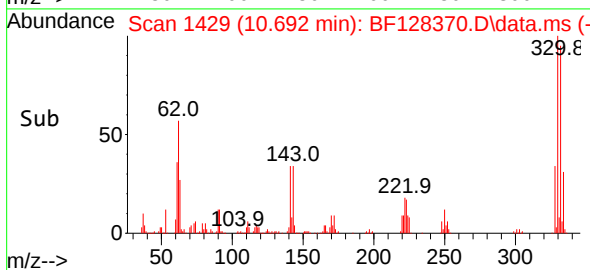
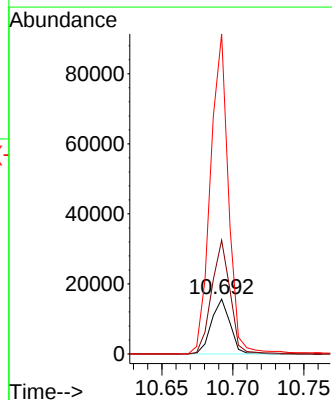
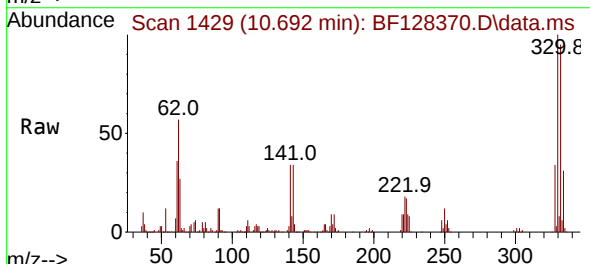
Instrument :  
BNA\_F  
ClientSampleId :  
MW-41

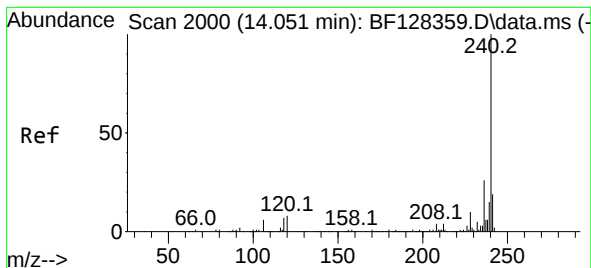
Tgt Ion:188 Resp: 334497  
Ion Ratio Lower Upper  
188 100  
94 8.2 8.0 12.0  
80 9.4 8.9 13.3



#67  
4-Bromophenyl-phenylether  
Concen: 4.091 ng  
RT: 10.692 min Scan# 1429  
Delta R.T. -0.241 min  
Lab File: BF128370.D  
Acq: 20 May 2022 18:09

Tgt Ion:248 Resp: 14320  
Ion Ratio Lower Upper  
248 100  
250 207.4 77.7 116.5#  
141 583.7 65.6 98.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 1998

Delta R.T. -0.012 min

Lab File: BF128370.D

Acq: 20 May 2022 18:09

Instrument :

BNA\_F

ClientSampleId :

MW-41

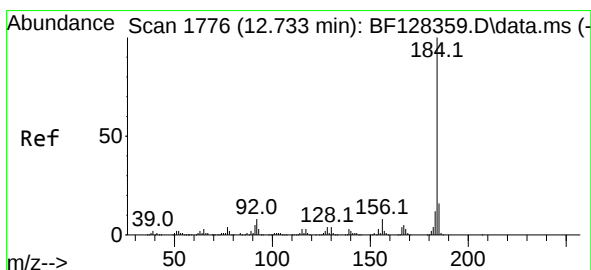
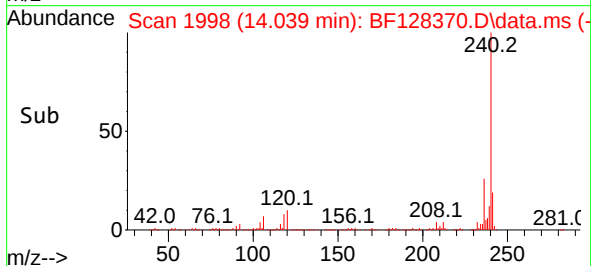
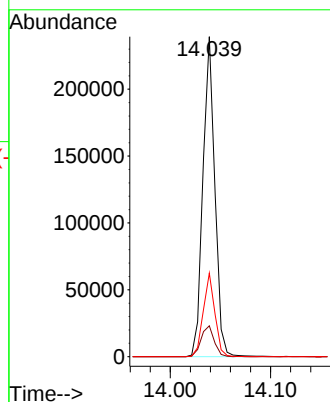
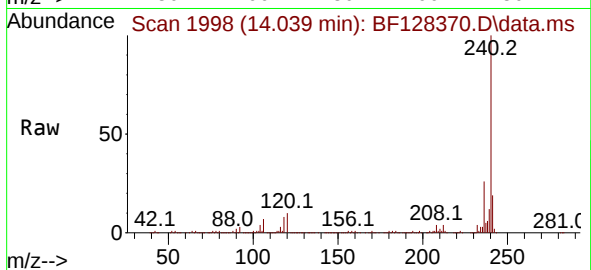
Tgt Ion:240 Resp: 198984

Ion Ratio Lower Upper

240 100

120 9.7 7.0 10.6

236 26.1 20.3 30.5



#77

Benzidine

Concen: 3.546 ng

RT: 12.980 min Scan# 1818

Delta R.T. 0.247 min

Lab File: BF128370.D

Acq: 20 May 2022 18:09

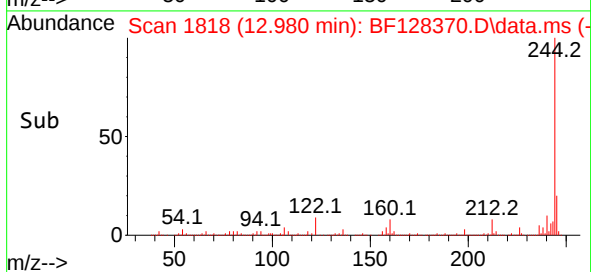
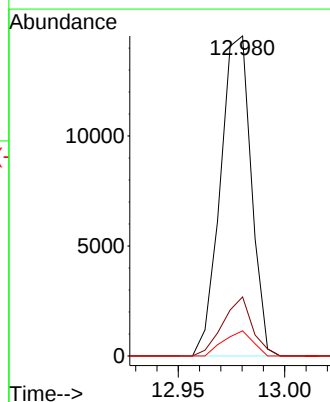
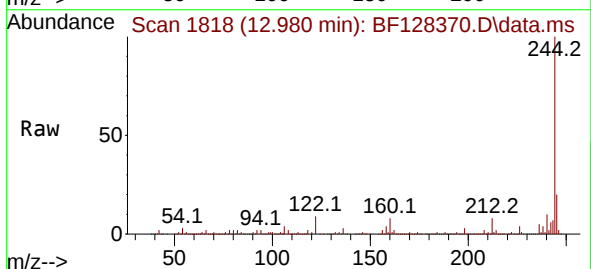
Tgt Ion:184 Resp: 14677

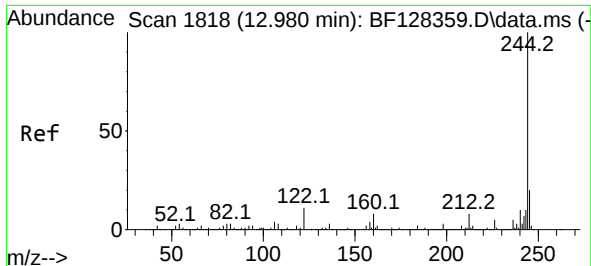
Ion Ratio Lower Upper

184 100

185 18.4 12.1 18.1#

183 7.9 9.0 13.4#

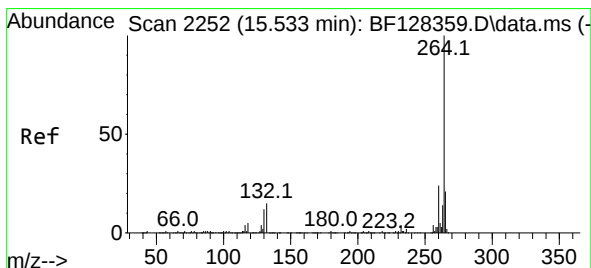
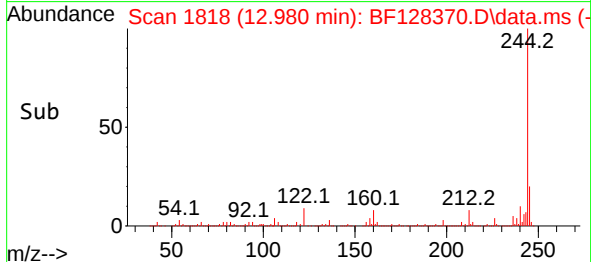
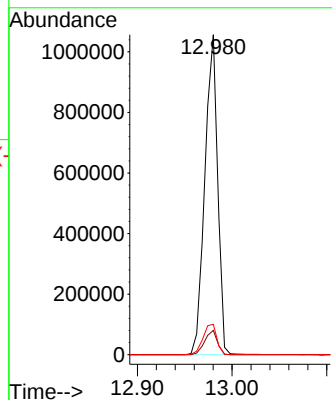
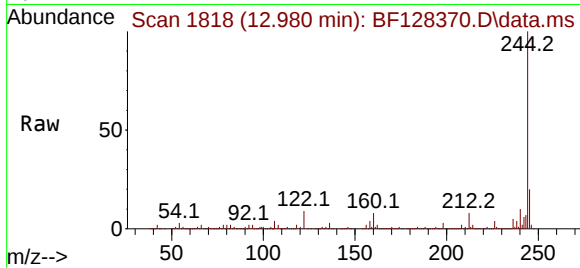




#79  
 Terphenyl-d14  
 Concen: 96.078 ng  
 RT: 12.980 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: BF128370.D  
 Acq: 20 May 2022 18:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-41

Tgt Ion:244 Resp: 990358  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.2 9.4  
 122 9.5 8.6 12.8



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.527 min Scan# 2251  
 Delta R.T. -0.006 min  
 Lab File: BF128370.D  
 Acq: 20 May 2022 18:09

Tgt Ion:264 Resp: 179416  
 Ion Ratio Lower Upper  
 264 100  
 260 22.9 20.1 30.1  
 265 21.3 17.5 26.3

