

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF090622\  
 Data File : BF130144.D  
 Acq On : 06 Sep 2022 18:41  
 Operator : CG\JU  
 Sample : N4437-01RE  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-2-(17)RE

Quant Time: Sep 07 02:16:37 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF083122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 07 02:05:07 2022  
 Response via : Initial Calibration

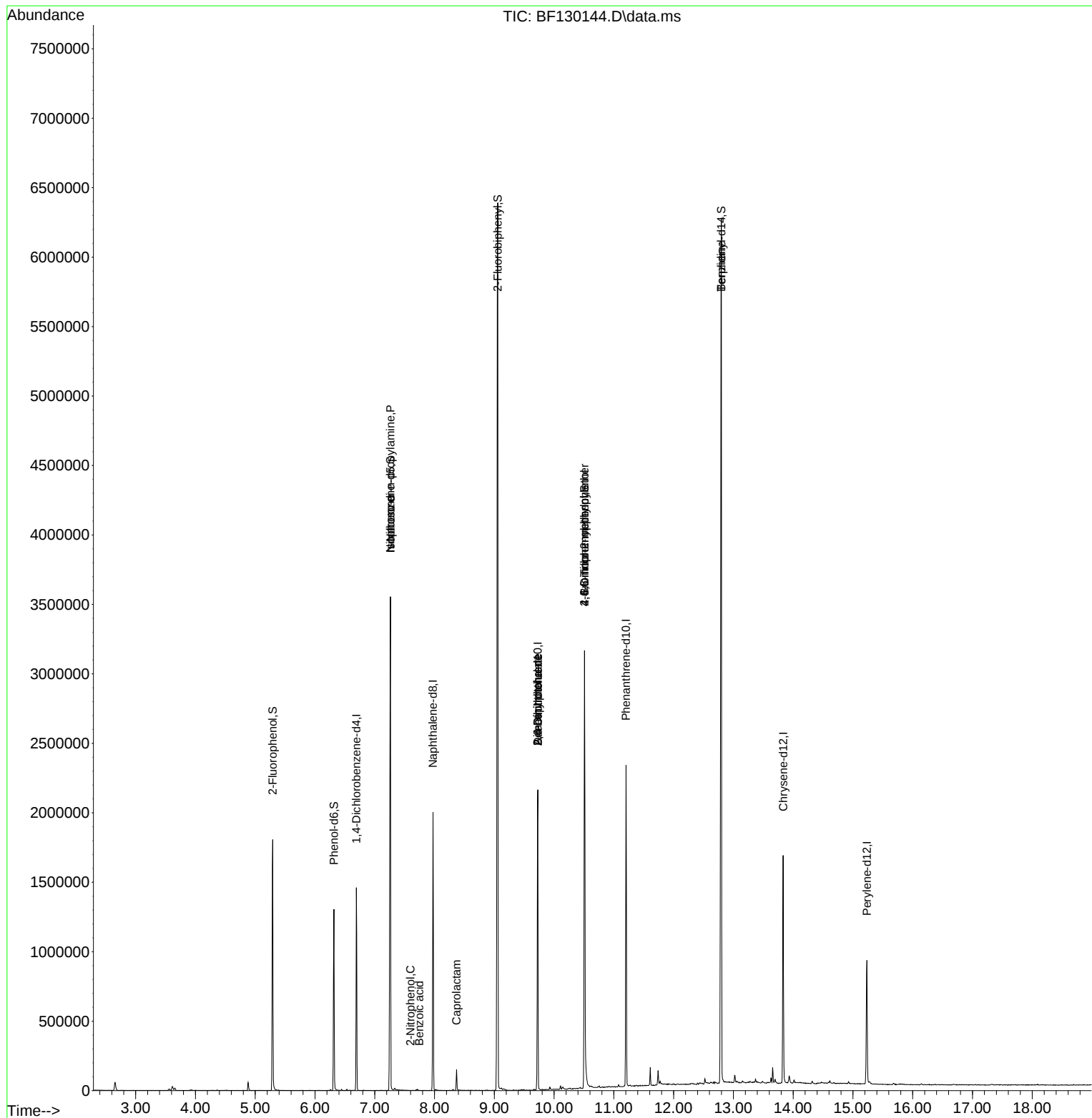
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.692  | 152  | 207609   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 7.975  | 136  | 836658   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.728  | 164  | 450433   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.204 | 188  | 784260   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.833 | 240  | 516500   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12              | 15.233 | 264  | 376677   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.293  | 112  | 530048   | 43.343 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.316  | 99   | 404697   | 26.544 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.263  | 82   | 1230845  | 94.545 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.510 | 330  | 398265   | 97.133 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.057  | 172  | 2248945  | 82.779 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.798 | 244  | 2349550  | 78.885 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.263  | 70   | 159623   | 17.379 | ng    | # 72     |
| 25) Isophorone                | 7.263  | 82   | 1226409  | 46.543 | ng    | # 65     |
| 26) 2-Nitrophenol             | 7.598  | 139  | 59       | 3.509  | ng    | # 33     |
| 32) Benzoic acid              | 7.745  | 122  | 72       | 6.579  | ng    | # 80     |
| 35) Caprolactam               | 8.369  | 113  | 14809    | 4.041  | ng    | 93       |
| 50) Dimethylphthalate         | 9.728  | 163  | 85422    | 2.784  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.728  | 165  | 60076    | 10.043 | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.728  | 165  | 60076    | 8.723  | ng    | # 17     |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 1053     | 6.329  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.510 | 248  | 24710    | 2.833  | ng    | # 1      |
| 77) Benzidine                 | 12.798 | 184  | 33373    | 2.393  | ng    | # 92     |
| -----                         |        |      |          |        |       |          |

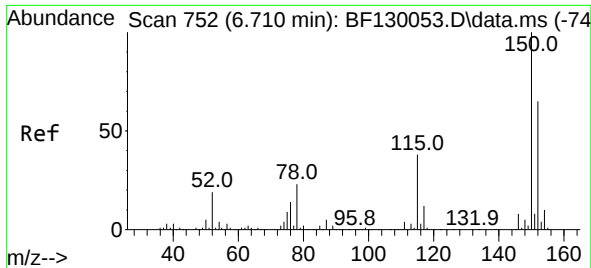
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 07 02:05:07 2022  
Response via : Initial Calibration

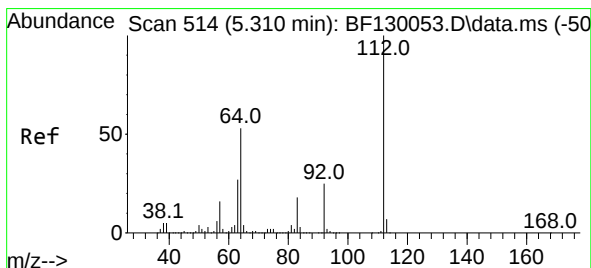
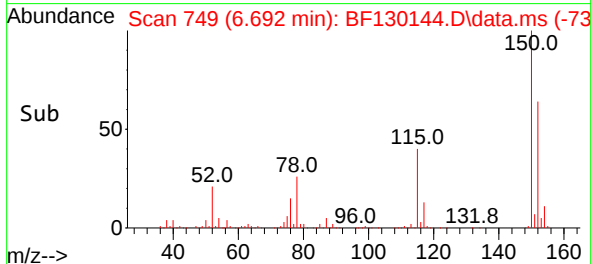
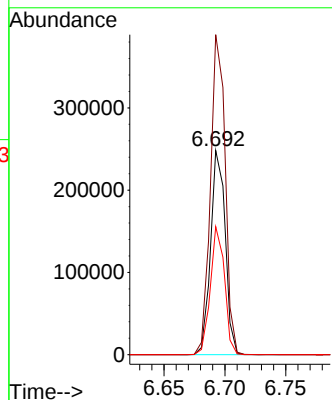
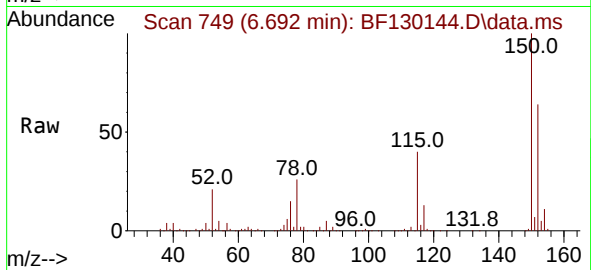




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.692 min Scan# 749  
 Delta R.T. -0.006 min  
 Lab File: BF130144.D  
 Acq: 06 Sep 2022 18:41

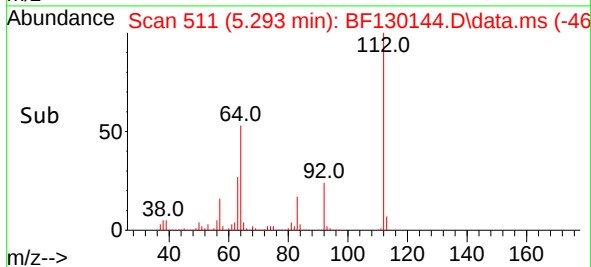
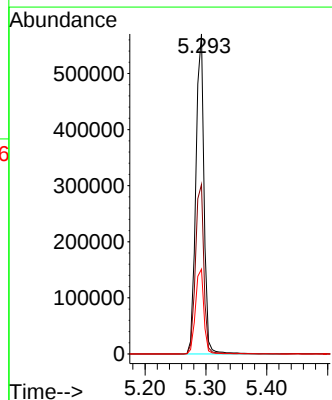
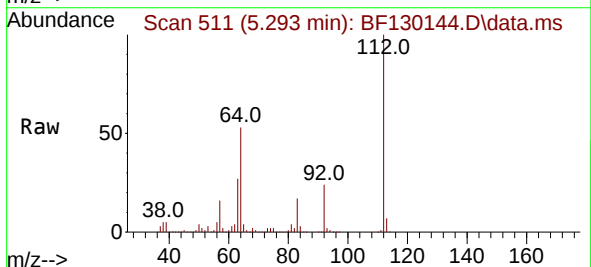
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-2-(17)RE

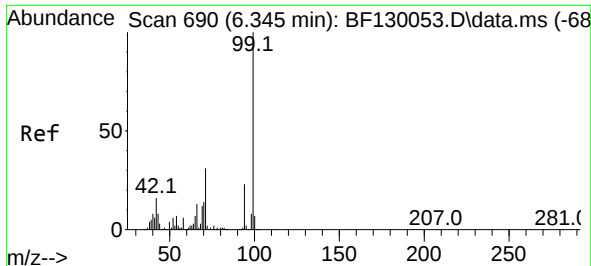
Tgt Ion:152 Resp: 207609  
 Ion Ratio Lower Upper  
 152 100  
 150 156.7 126.9 190.3  
 115 62.7 53.4 80.0



#5  
 2-Fluorophenol  
 Concen: 43.343 ng  
 RT: 5.293 min Scan# 511  
 Delta R.T. -0.006 min  
 Lab File: BF130144.D  
 Acq: 06 Sep 2022 18:41

Tgt Ion:112 Resp: 530048  
 Ion Ratio Lower Upper  
 112 100  
 64 52.9 47.6 71.4  
 63 26.5 24.6 37.0

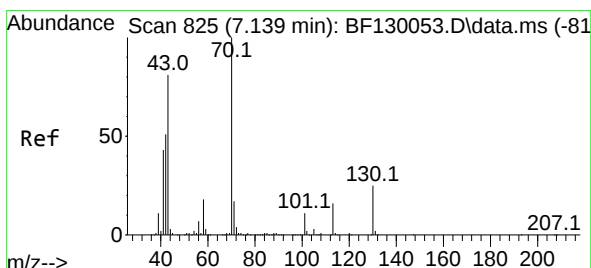
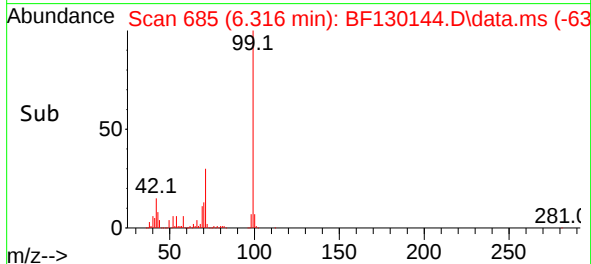
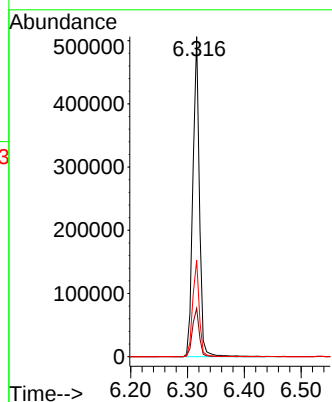
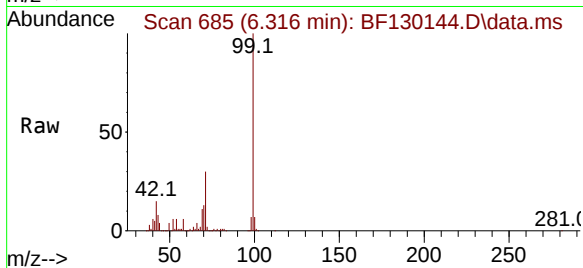




#7  
Phenol-d6  
Concen: 26.544 ng  
RT: 6.316 min Scan# 61  
Delta R.T. -0.018 min  
Lab File: BF130144.D  
Acq: 06 Sep 2022 18:41

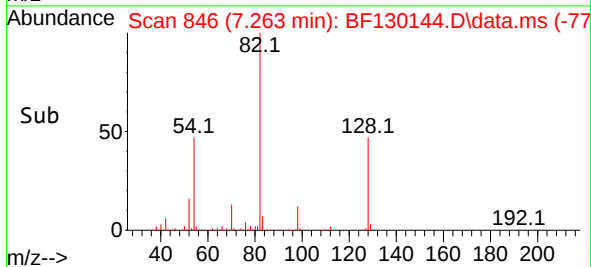
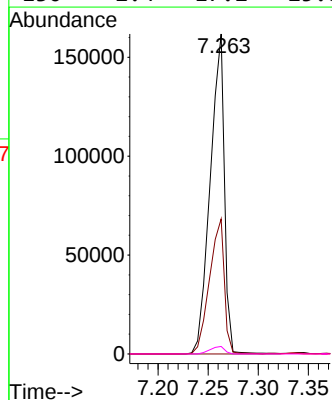
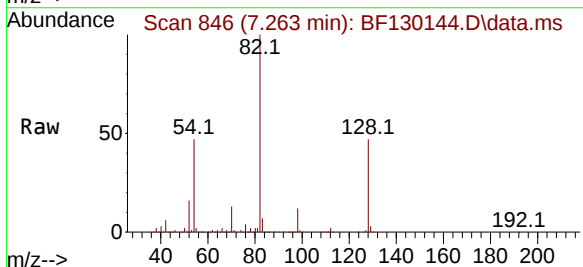
Instrument :  
BNA\_F  
ClientSampleId :  
MW-2-(17)RE

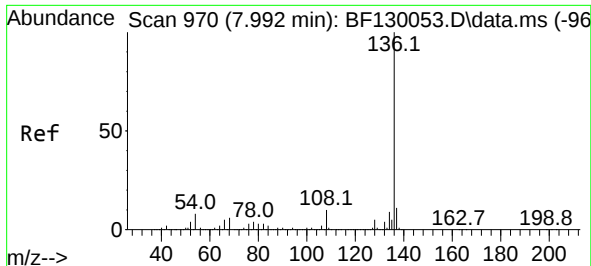
Tgt Ion: 99 Resp: 404697  
Ion Ratio Lower Upper  
99 100  
42 15.1 15.0 22.4  
71 30.2 28.8 43.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 17.379 ng  
RT: 7.263 min Scan# 846  
Delta R.T. 0.135 min  
Lab File: BF130144.D  
Acq: 06 Sep 2022 18:41

Tgt Ion: 70 Resp: 159623  
Ion Ratio Lower Upper  
70 100  
42 42.2 47.6 71.4#  
101 0.0 8.1 12.1#  
130 2.4 17.2 25.8#

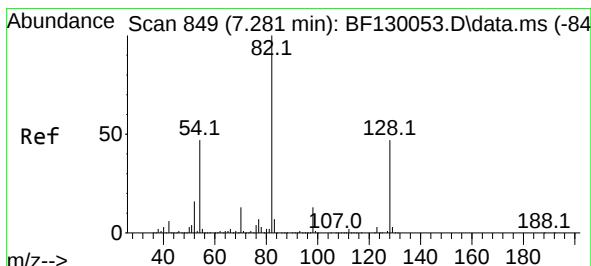
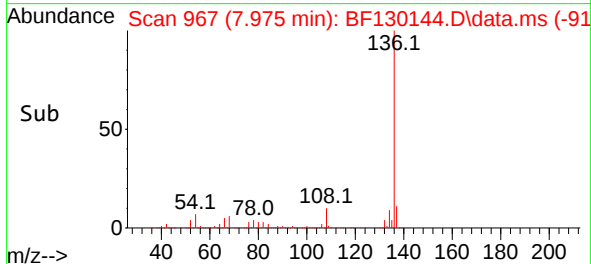
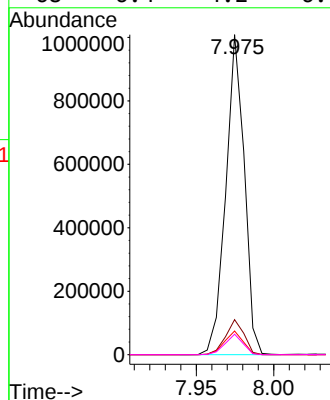
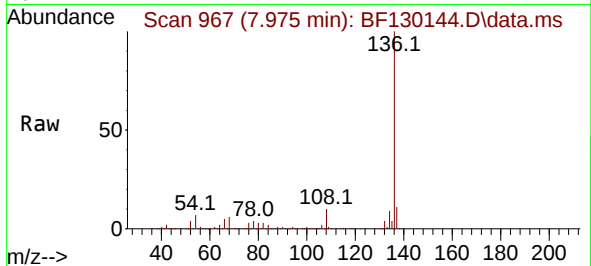




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.975 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF130144.D  
Acq: 06 Sep 2022 18:41

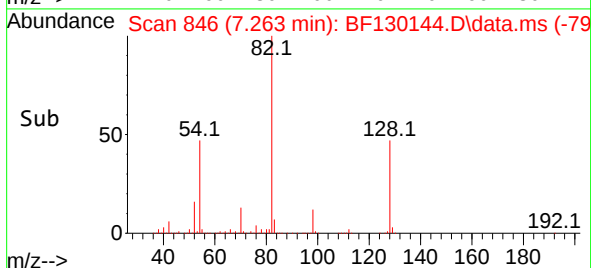
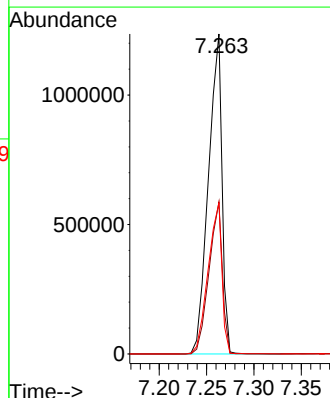
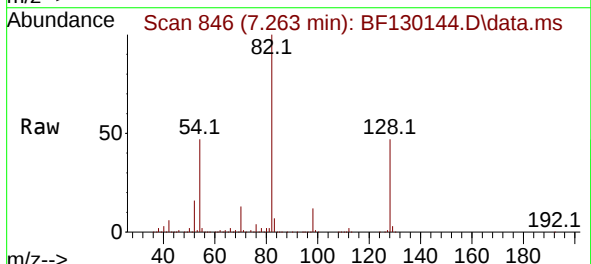
Instrument :  
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ClientSampleId :  
MW-2-(17)RE

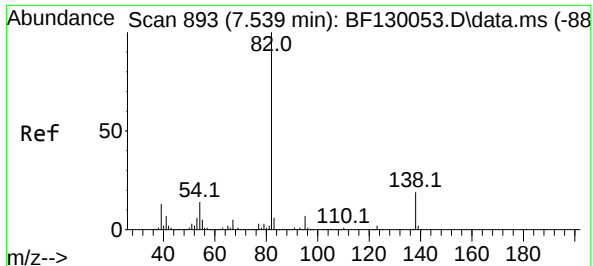
Tgt Ion:136 Resp: 836658  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.4 12.6  
54 7.4 6.2 9.2  
68 6.4 4.2 6.4#



#23  
Nitrobenzene-d5  
Concen: 94.545 ng  
RT: 7.263 min Scan# 846  
Delta R.T. -0.006 min  
Lab File: BF130144.D  
Acq: 06 Sep 2022 18:41

Tgt Ion: 82 Resp: 1230845  
Ion Ratio Lower Upper  
82 100  
128 47.5 36.1 54.1  
54 47.2 40.0 60.0

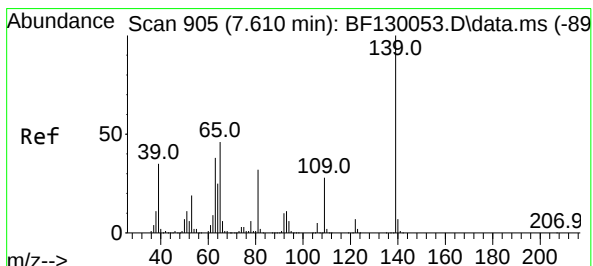
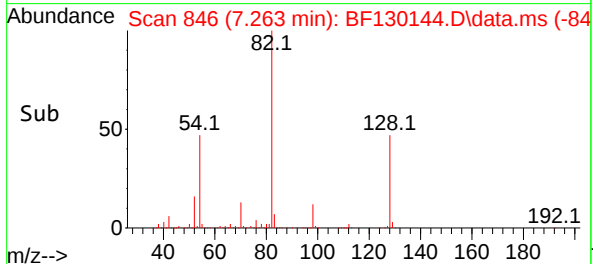
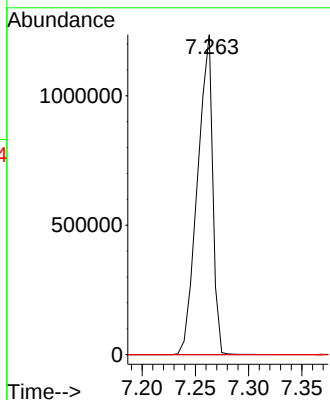
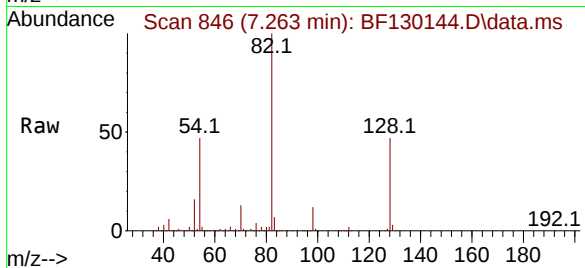




#25  
Isophorone  
Concen: 46.543 ng  
RT: 7.263 min Scan# 84  
Delta R.T. -0.265 min  
Lab File: BF130144.D  
Acq: 06 Sep 2022 18:41

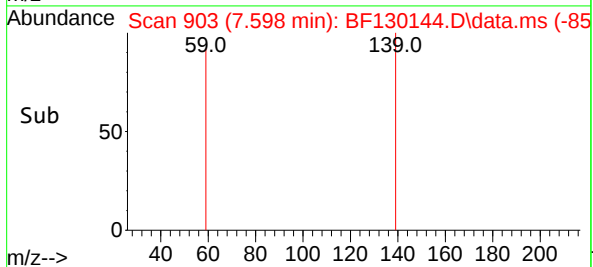
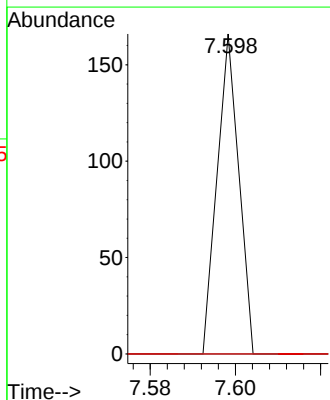
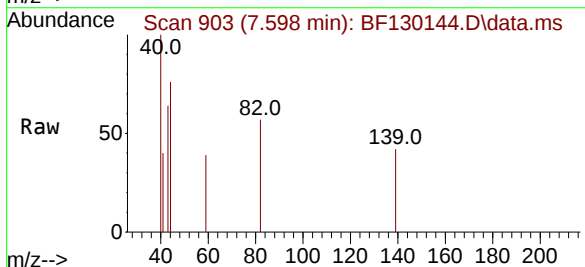
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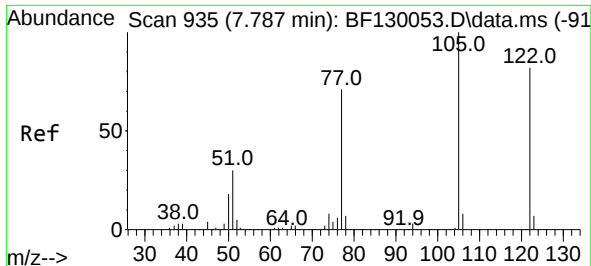
Tgt Ion: 82 Resp: 1226409  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 14.6 21.8#



#26  
2-Nitrophenol  
Concen: 3.509 ng  
RT: 7.598 min Scan# 903  
Delta R.T. -0.000 min  
Lab File: BF130144.D  
Acq: 06 Sep 2022 18:41

Tgt Ion:139 Resp: 59  
Ion Ratio Lower Upper  
139 100  
109 0.0 24.4 36.6#  
65 0.0 40.9 61.3#

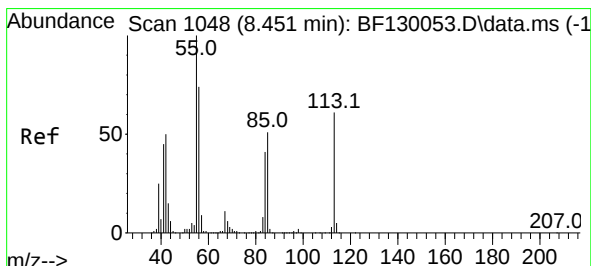
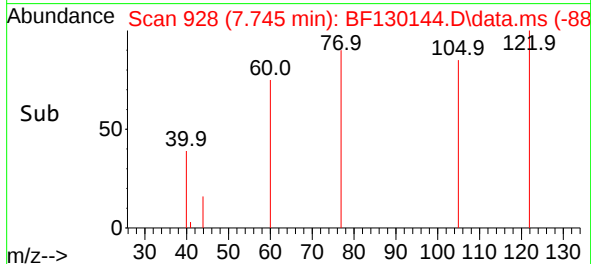
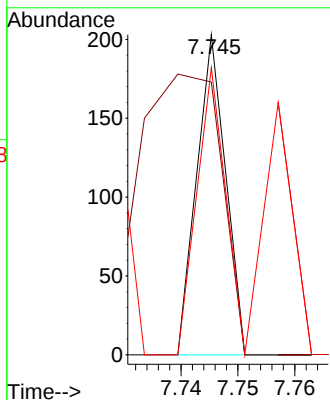
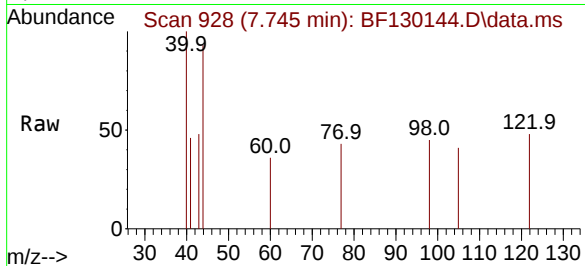




#32  
Benzoic acid  
Concen: 6.579 ng  
RT: 7.745 min Scan# 91  
Delta R.T. -0.024 min  
Lab File: BF130144.D  
Acq: 06 Sep 2022 18:41

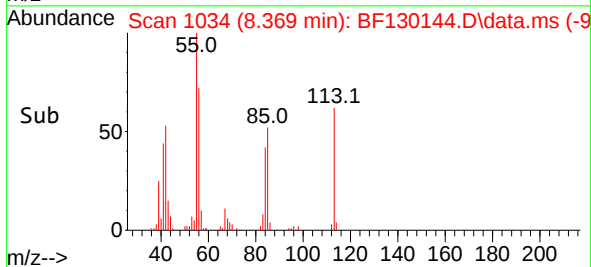
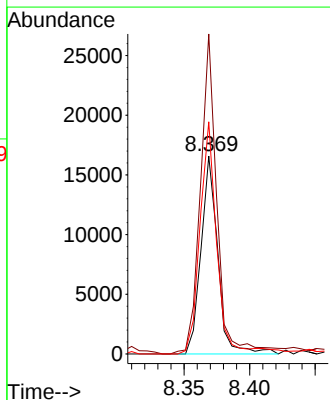
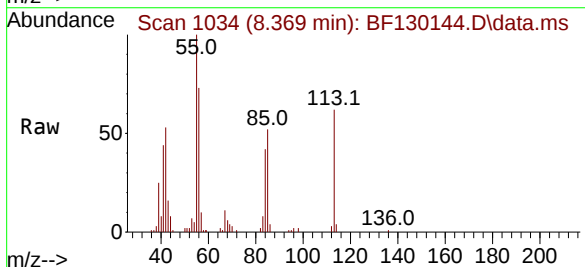
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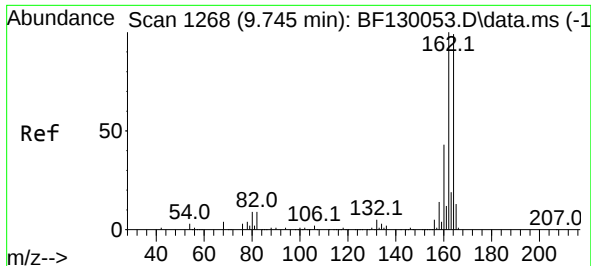
Tgt Ion:122 Resp: 72  
Ion Ratio Lower Upper  
122 100  
105 85.2 99.9 139.9#  
77 89.7 65.9 105.9



#35  
Caprolactam  
Concen: 4.041 ng  
RT: 8.369 min Scan# 1034  
Delta R.T. -0.071 min  
Lab File: BF130144.D  
Acq: 06 Sep 2022 18:41

Tgt Ion:113 Resp: 14809  
Ion Ratio Lower Upper  
113 100  
55 161.6 148.8 188.8  
56 117.3 109.1 149.1

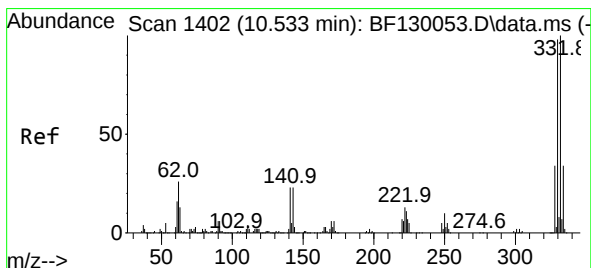
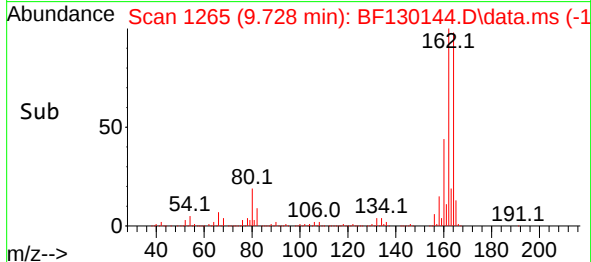
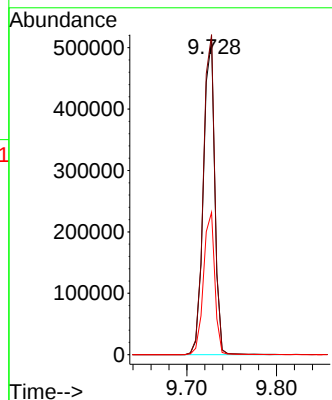
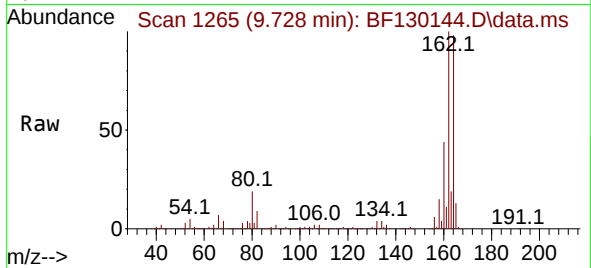




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.728 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BF130144.D  
Acq: 06 Sep 2022 18:41

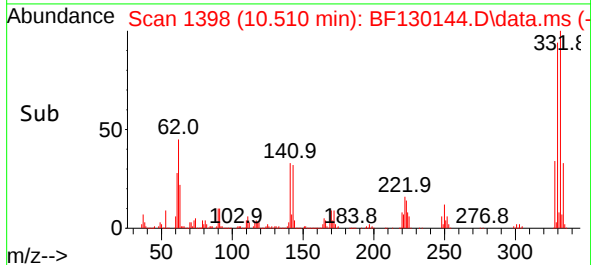
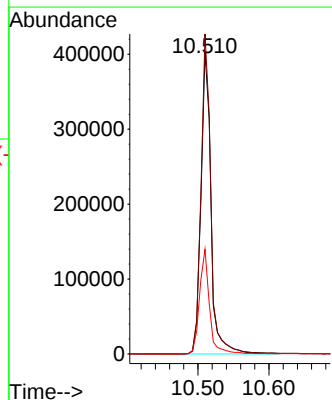
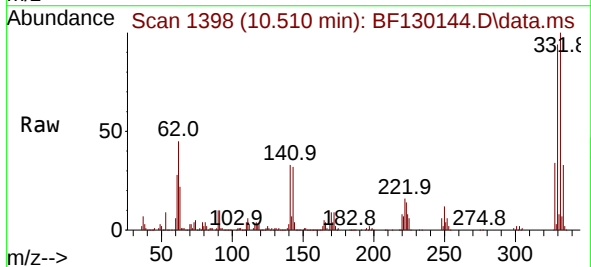
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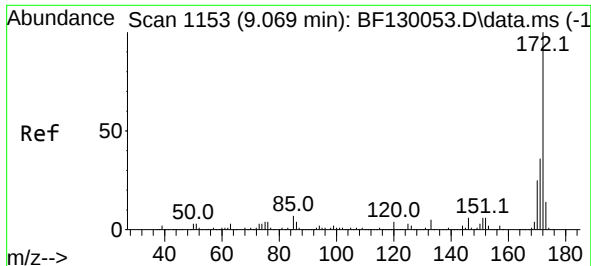
Tgt Ion:164 Resp: 450433  
Ion Ratio Lower Upper  
164 100  
162 101.6 82.0 123.0  
160 45.2 35.4 53.0



#42  
2,4,6-Tribromophenol  
Concen: 97.133 ng  
RT: 10.510 min Scan# 1398  
Delta R.T. -0.012 min  
Lab File: BF130144.D  
Acq: 06 Sep 2022 18:41

Tgt Ion:330 Resp: 398265  
Ion Ratio Lower Upper  
330 100  
332 104.3 82.6 124.0  
141 34.6 27.6 41.4

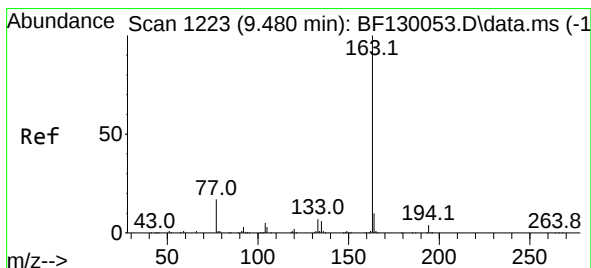
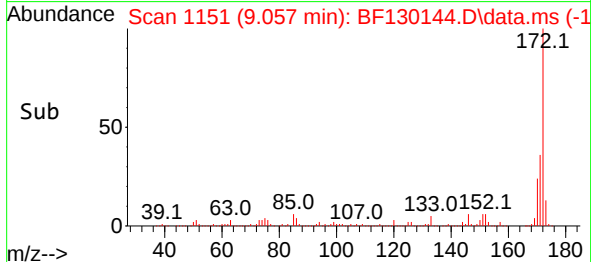
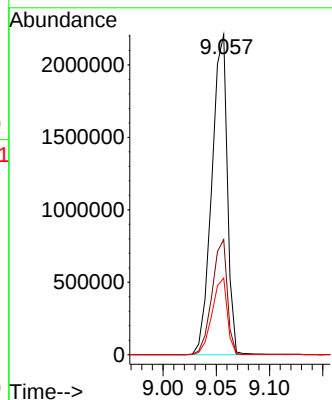
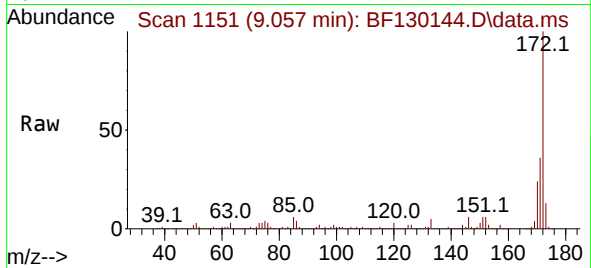




#45  
2-Fluorobiphenyl  
Concen: 82.779 ng  
RT: 9.057 min Scan# 1151  
Delta R.T. -0.000 min  
Lab File: BF130144.D  
Acq: 06 Sep 2022 18:41

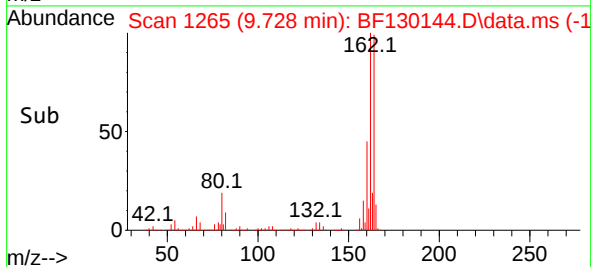
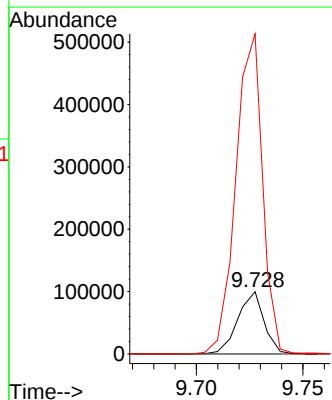
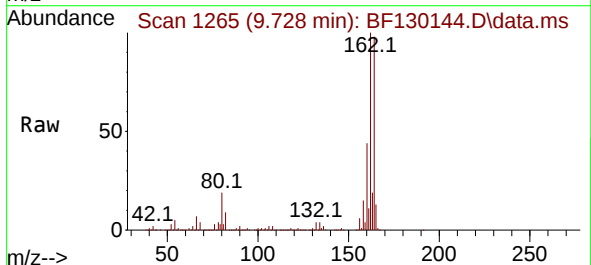
Instrument :  
BNA\_F  
ClientSampleId :  
MW-2-(17)RE

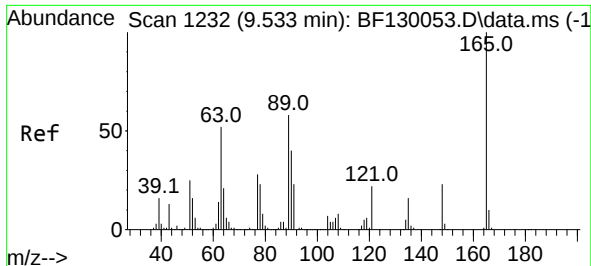
Tgt Ion:172 Resp: 2248945  
Ion Ratio Lower Upper  
172 100  
171 36.0 28.4 42.6  
170 23.9 19.1 28.7



#50  
Dimethylphthalate  
Concen: 2.784 ng  
RT: 9.728 min Scan# 1265  
Delta R.T. 0.259 min  
Lab File: BF130144.D  
Acq: 06 Sep 2022 18:41

Tgt Ion:163 Resp: 85422  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.3 4.9#  
164 514.6 8.2 12.2#





#51

2,6-Dinitrotoluene

Concen: 10.043 ng

RT: 9.728 min Scan# 1265

Delta R.T. 0.200 min

Lab File: BF130144.D

Acq: 06 Sep 2022 18:41

Instrument :

BNA\_F

ClientSampleId :

MW-2-(17)RE

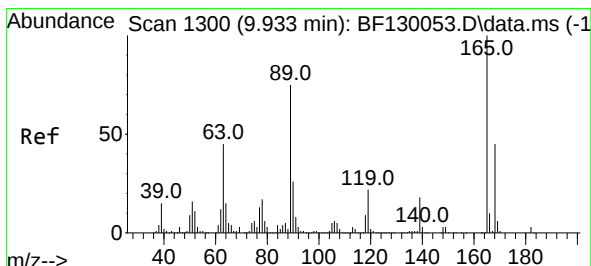
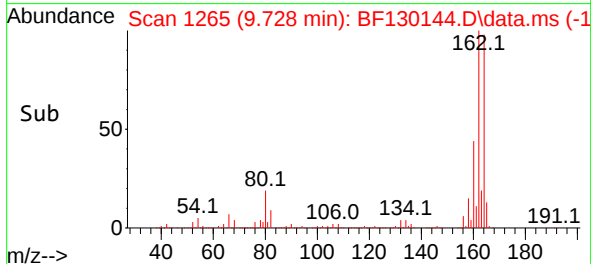
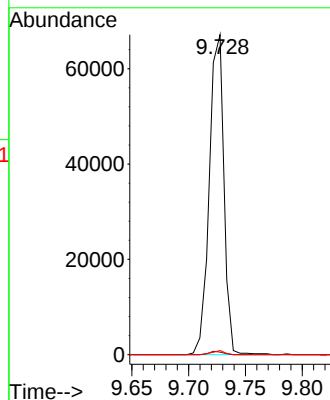
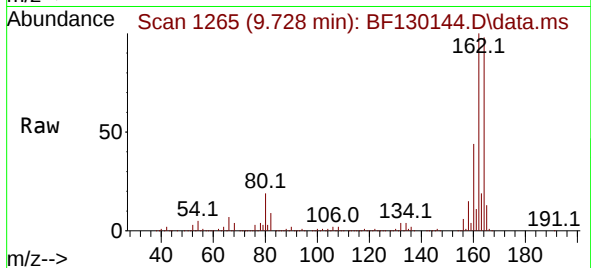
Tgt Ion:165 Resp: 60076

Ion Ratio Lower Upper

165 100

63 0.8 47.8 71.8#

89 1.3 47.2 70.8#



#57

2,4-Dinitrotoluene

Concen: 8.723 ng

RT: 9.728 min Scan# 1265

Delta R.T. -0.194 min

Lab File: BF130144.D

Acq: 06 Sep 2022 18:41

Tgt Ion:165 Resp: 60076

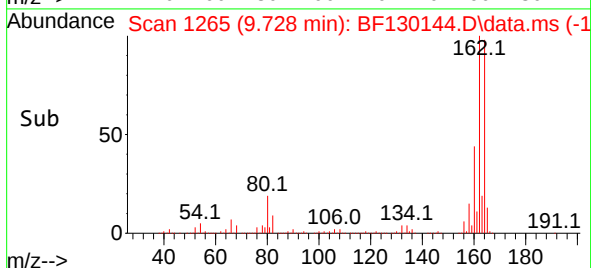
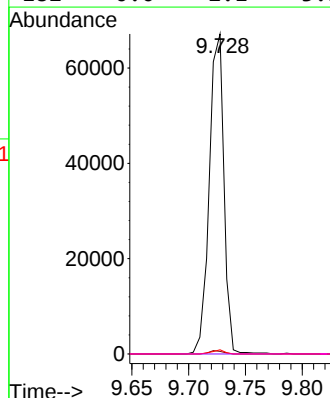
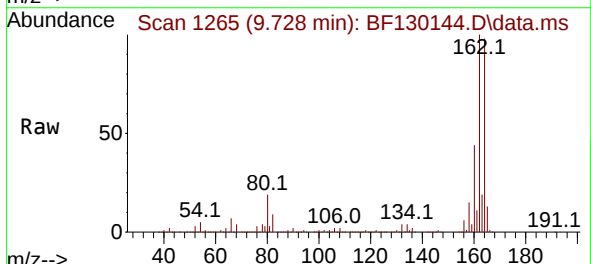
Ion Ratio Lower Upper

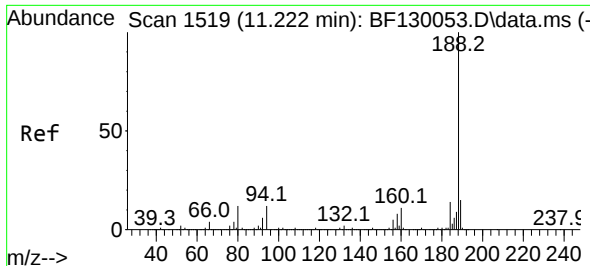
165 100

63 0.8 48.4 72.6#

89 1.3 62.3 93.5#

182 0.0 2.1 3.1#

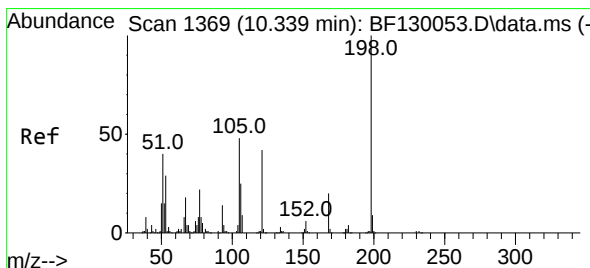
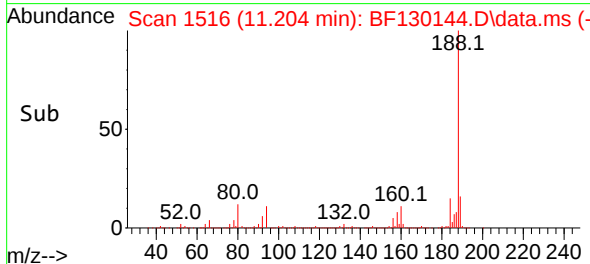
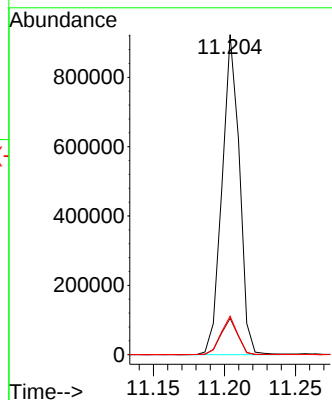
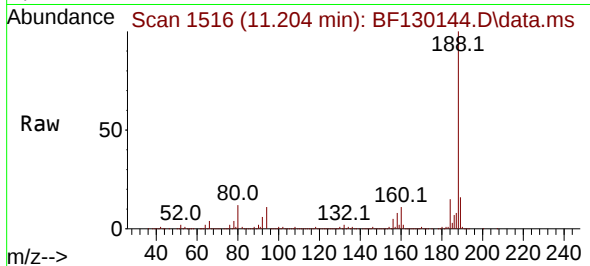




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.204 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF130144.D  
Acq: 06 Sep 2022 18:41

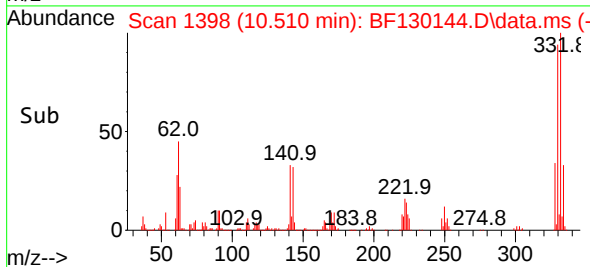
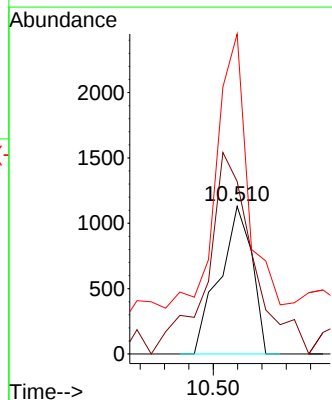
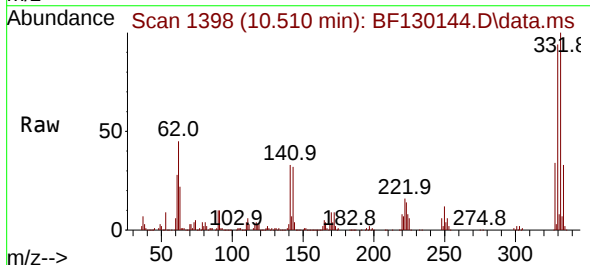
Instrument :  
BNA\_F  
ClientSampleId :  
MW-2-(17)RE

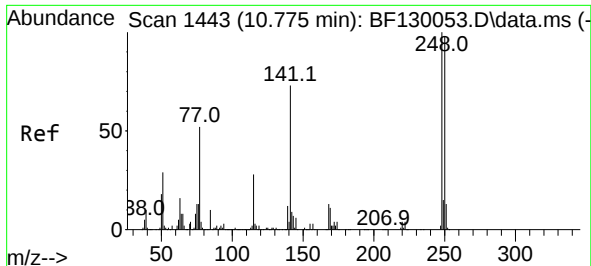
Tgt Ion:188 Resp: 784260  
Ion Ratio Lower Upper  
188 100  
94 11.4 7.4 11.2#  
80 12.0 7.9 11.9#



#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.329 ng  
RT: 10.510 min Scan# 1398  
Delta R.T. 0.182 min  
Lab File: BF130144.D  
Acq: 06 Sep 2022 18:41

Tgt Ion:198 Resp: 1053  
Ion Ratio Lower Upper  
198 100  
51 116.8 29.4 69.4#  
105 216.6 29.2 69.2#

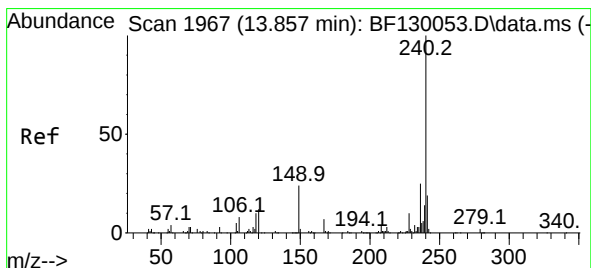
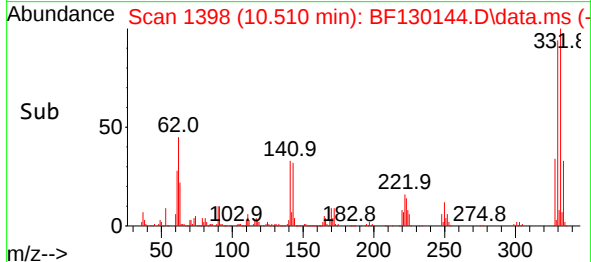
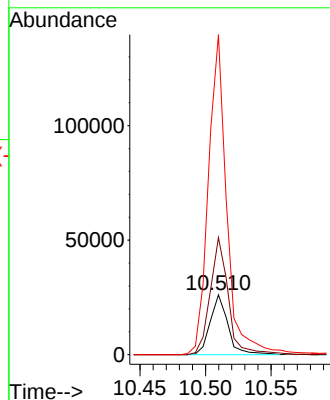
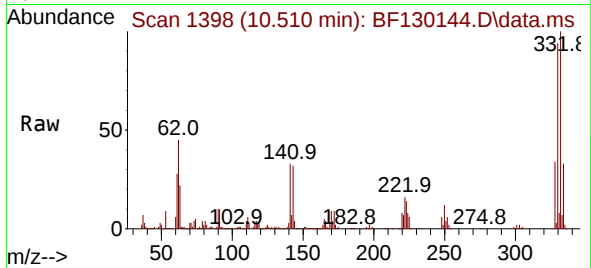




#67  
4-Bromophenyl-phenylether  
Concen: 2.833 ng  
RT: 10.510 min Scan# 1  
Delta R.T. -0.253 min  
Lab File: BF130144.D  
Acq: 06 Sep 2022 18:41

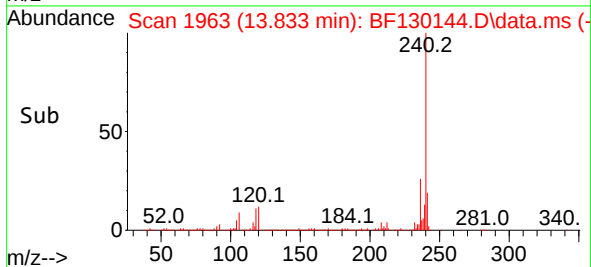
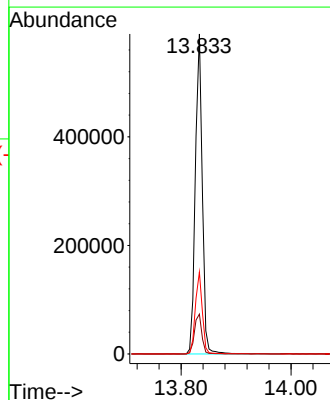
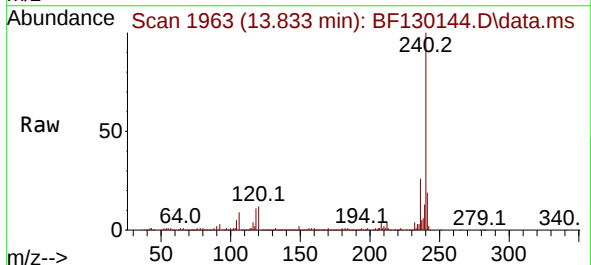
Instrument :  
BNA\_F  
ClientSampleId :  
MW-2-(17)RE

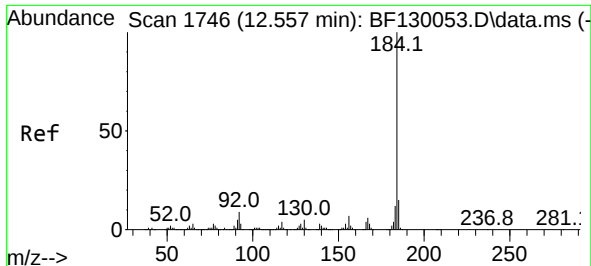
Tgt Ion:248 Resp: 24710  
Ion Ratio Lower Upper  
248 100  
250 195.9 77.8 116.6#  
141 535.0 66.2 99.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.833 min Scan# 1963  
Delta R.T. -0.012 min  
Lab File: BF130144.D  
Acq: 06 Sep 2022 18:41

Tgt Ion:240 Resp: 516500  
Ion Ratio Lower Upper  
240 100  
120 12.5 9.2 13.8  
236 25.6 20.7 31.1

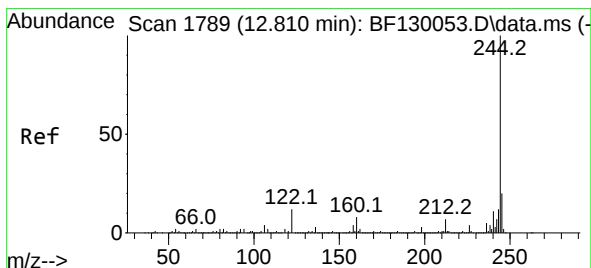
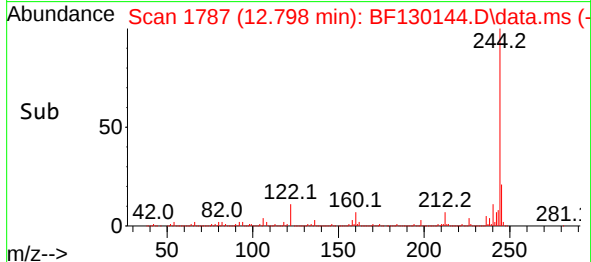
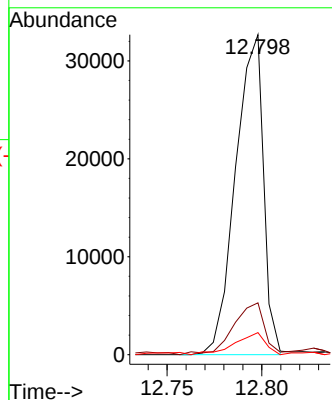
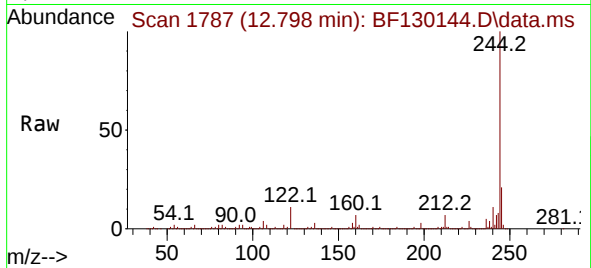




#77  
Benzidine  
Concen: 2.393 ng  
RT: 12.798 min Scan# 1787  
Delta R.T. 0.253 min  
Lab File: BF130144.D  
Acq: 06 Sep 2022 18:41

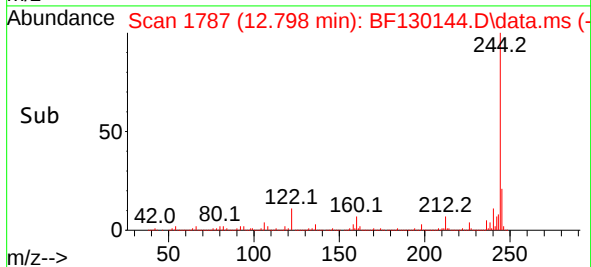
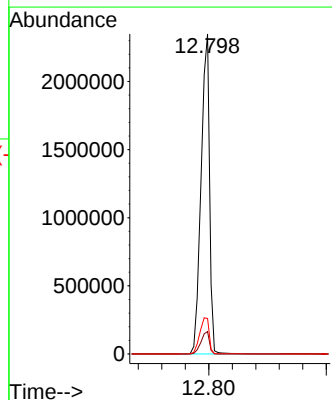
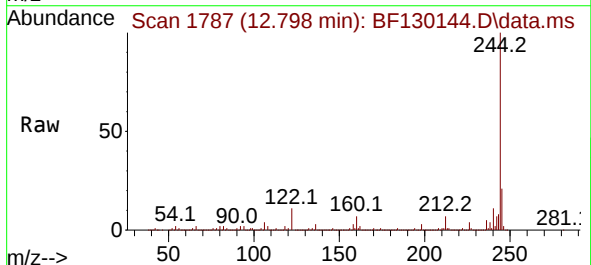
Instrument :  
BNA\_F  
ClientSampleId :  
MW-2-(17)RE

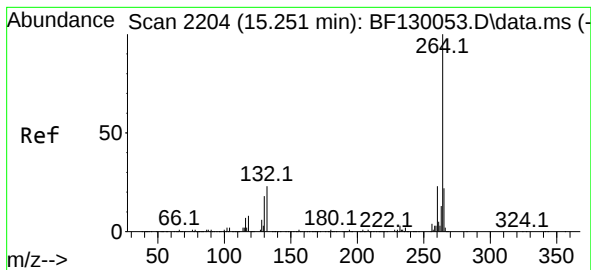
Tgt Ion:184 Resp: 33373  
Ion Ratio Lower Upper  
184 100  
185 16.2 11.4 17.2  
183 6.9 9.4 14.2#



#79  
Terphenyl-d14  
Concen: 78.885 ng  
RT: 12.798 min Scan# 1787  
Delta R.T. -0.000 min  
Lab File: BF130144.D  
Acq: 06 Sep 2022 18:41

Tgt Ion:244 Resp: 2349550  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.9 8.9  
122 11.1 9.9 14.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF130144.D

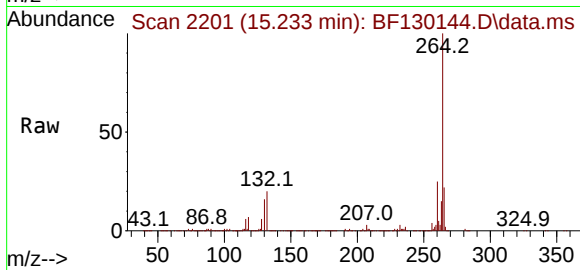
Acq: 06 Sep 2022 18:41

Instrument :

BNA\_F

ClientSampleId :

MW-2-(17)RE



Tgt Ion:264 Resp: 376677

Ion Ratio Lower Upper

264 100

260 24.5 19.1 28.7

265 21.9 16.7 25.1

