

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF090122\  
 Data File : BF130092.D  
 Acq On : 01 Sep 2022 23:00  
 Operator : CG\JU  
 Sample : N4423-02  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-1

Quant Time: Sep 02 04:06:23 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF083122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 31 18:15:32 2022  
 Response via : Initial Calibration

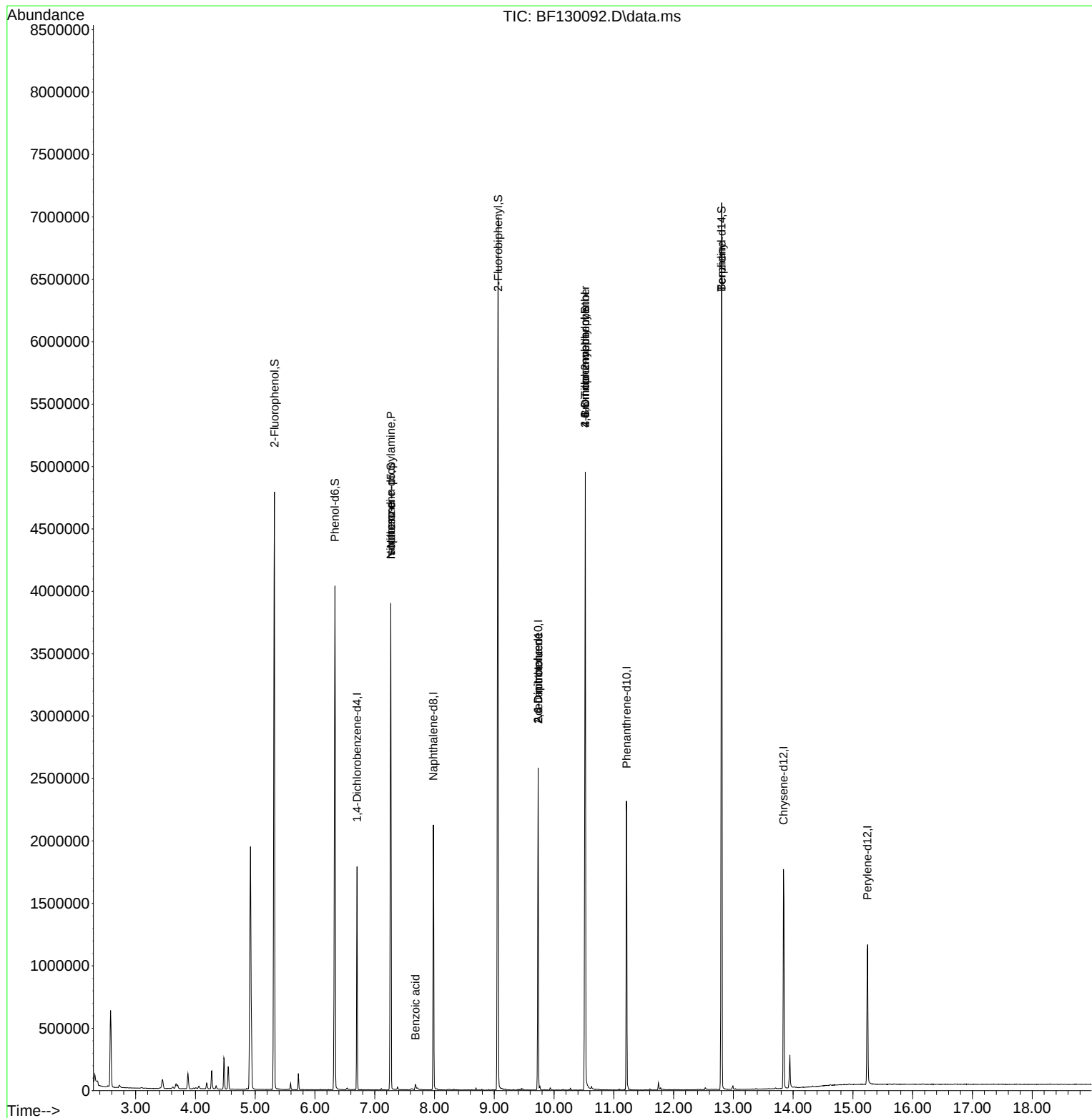
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.704  | 152  | 245606   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 7.981  | 136  | 966866   | 20.000  | ng    | #-0.01   |
| 39) Acenaphthene-d10          | 9.734  | 164  | 510790   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.216 | 188  | 861394   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.839 | 240  | 577166   | 20.000  | ng    | #-0.02   |
| 86) Perylene-d12              | 15.245 | 264  | 488230   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.322  | 112  | 1591412  | 110.000 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.334  | 99   | 1769254  | 98.092  | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.269  | 82   | 1382224  | 91.874  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.522 | 330  | 655326   | 140.942 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.063  | 172  | 2465883  | 80.039  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.804 | 244  | 2657883  | 79.857  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.269  | 70   | 179400   | 16.510  | ng    | # 75     |
| 25) Isophorone                | 7.269  | 82   | 1377994  | 45.253  | ng    | # 65     |
| 32) Benzoic acid              | 7.681  | 122  | 12783    | 7.630   | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.734  | 165  | 67048    | 9.884   | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.734  | 165  | 67048    | 8.585   | ng    | # 17     |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198  | 1441     | 6.391   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.522 | 248  | 38252    | 3.992   | ng    | # 1      |
| 77) Benzidine                 | 12.804 | 184  | 36058    | 2.314   | ng    | # 91     |
| -----                         |        |      |          |         |       |          |

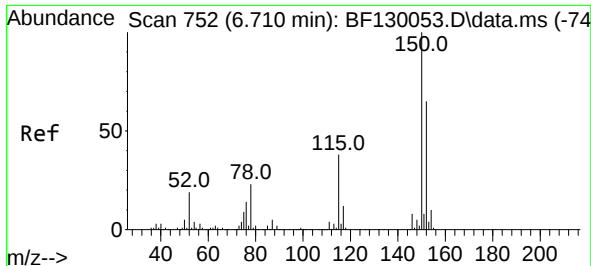
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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WC-1

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QLast Update : Wed Aug 31 18:15:32 2022  
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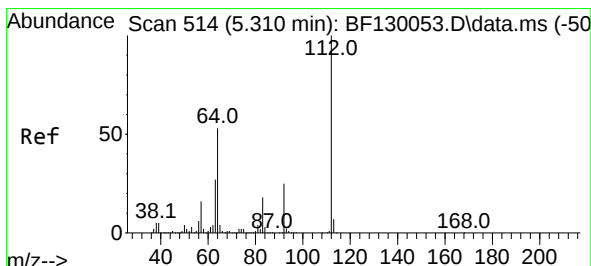
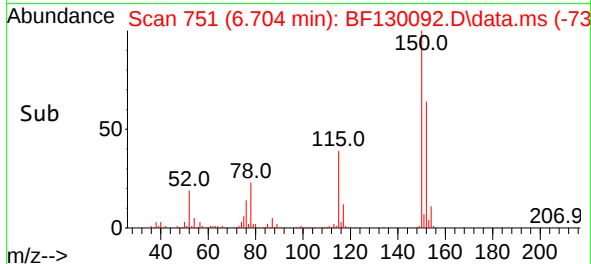
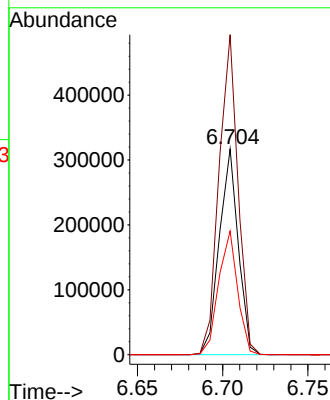
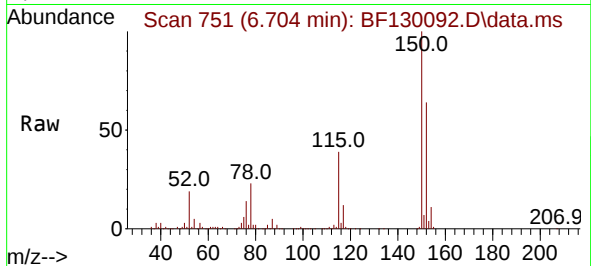




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.704 min Scan# 71  
 Delta R.T. -0.006 min  
 Lab File: BF130092.D  
 Acq: 01 Sep 2022 23:00

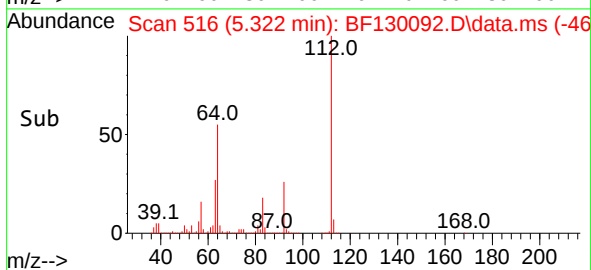
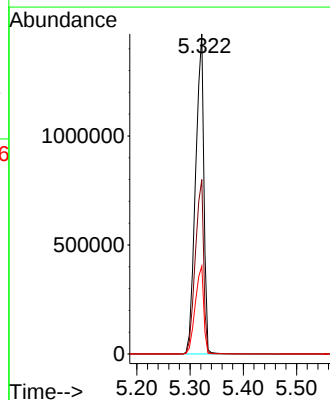
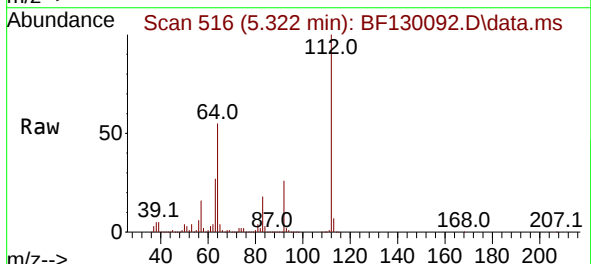
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-1

Tgt Ion:152 Resp: 245606  
 Ion Ratio Lower Upper  
 152 100  
 150 155.5 126.9 190.3  
 115 60.1 53.4 80.0



#5  
 2-Fluorophenol  
 Concen: 110.000 ng  
 RT: 5.322 min Scan# 516  
 Delta R.T. 0.012 min  
 Lab File: BF130092.D  
 Acq: 01 Sep 2022 23:00

Tgt Ion:112 Resp: 1591412  
 Ion Ratio Lower Upper  
 112 100  
 64 54.5 47.6 71.4  
 63 27.4 24.6 37.0

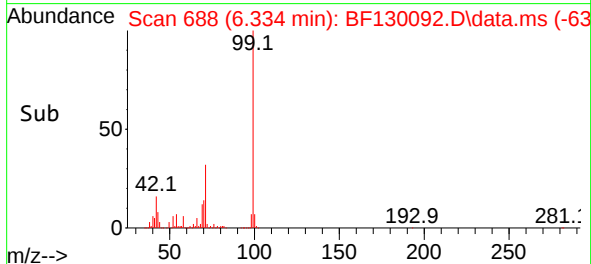
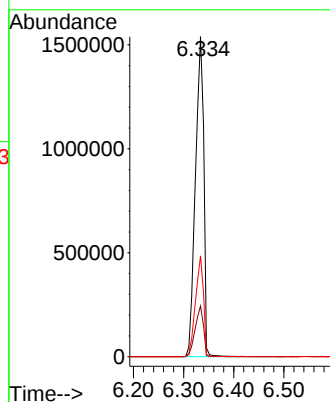
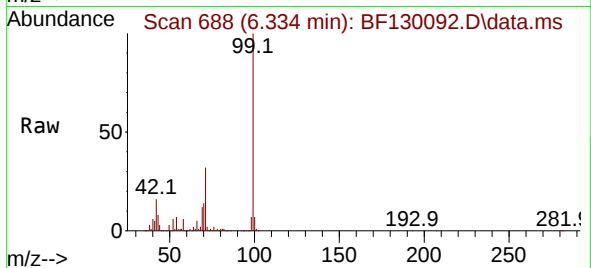




#7  
Phenol-d6  
Concen: 98.092 ng  
RT: 6.334 min Scan# 61  
Delta R.T. -0.012 min  
Lab File: BF130092.D  
Acq: 01 Sep 2022 23:00

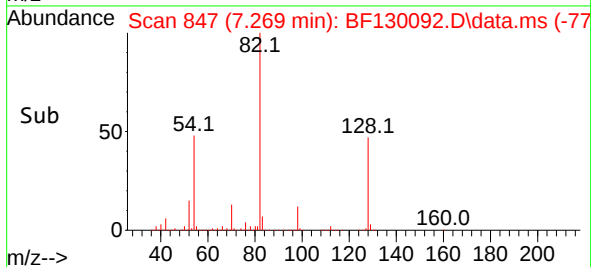
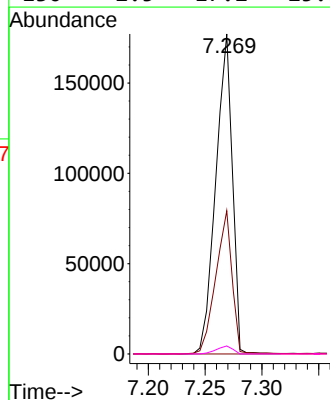
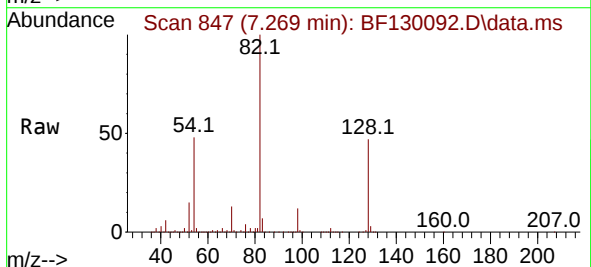
Instrument :  
BNA\_F  
ClientSampleId :  
WC-1

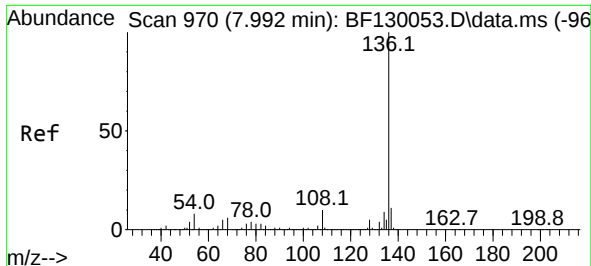
Tgt Ion: 99 Resp: 1769254  
Ion Ratio Lower Upper  
99 100  
42 15.8 15.0 22.4  
71 31.5 28.8 43.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.510 ng  
RT: 7.269 min Scan# 847  
Delta R.T. 0.129 min  
Lab File: BF130092.D  
Acq: 01 Sep 2022 23:00

Tgt Ion: 70 Resp: 179400  
Ion Ratio Lower Upper  
70 100  
42 44.7 47.6 71.4#  
101 0.0 8.1 12.1#  
130 2.5 17.2 25.8#

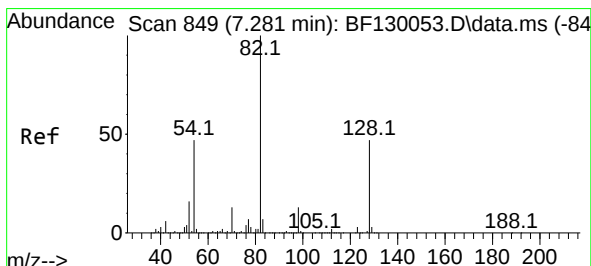
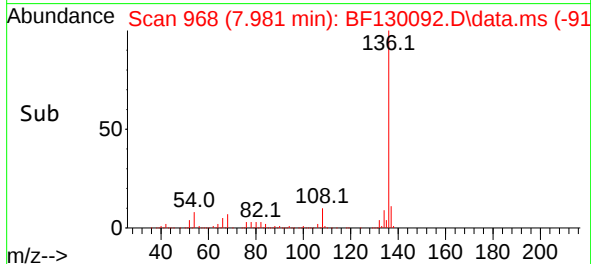
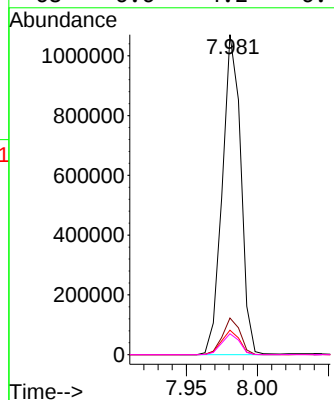
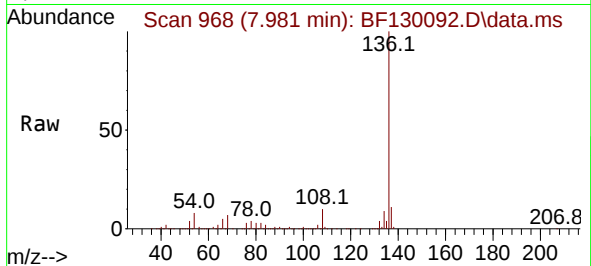




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.981 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: BF130092.D  
Acq: 01 Sep 2022 23:00

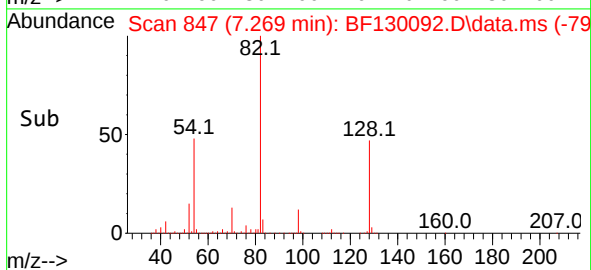
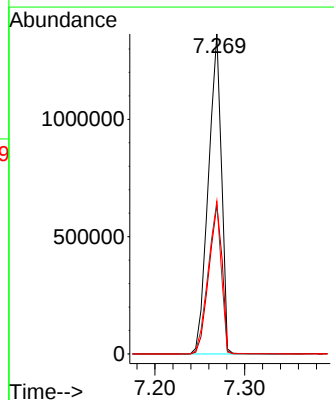
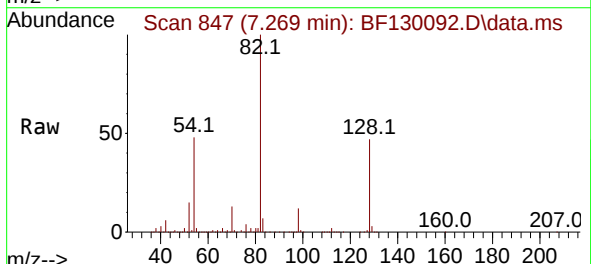
Instrument :  
BNA\_F  
ClientSampleId :  
WC-1

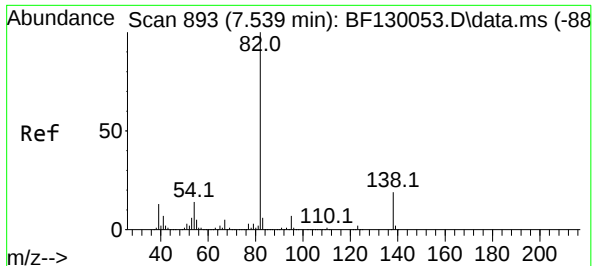
Tgt Ion:136 Resp: 966866  
Ion Ratio Lower Upper  
136 100  
137 11.4 8.4 12.6  
54 7.7 6.2 9.2  
68 6.6 4.2 6.4#



#23  
Nitrobenzene-d5  
Concen: 91.874 ng  
RT: 7.269 min Scan# 847  
Delta R.T. -0.012 min  
Lab File: BF130092.D  
Acq: 01 Sep 2022 23:00

Tgt Ion: 82 Resp: 1382224  
Ion Ratio Lower Upper  
82 100  
128 46.6 36.1 54.1  
54 47.7 40.0 60.0

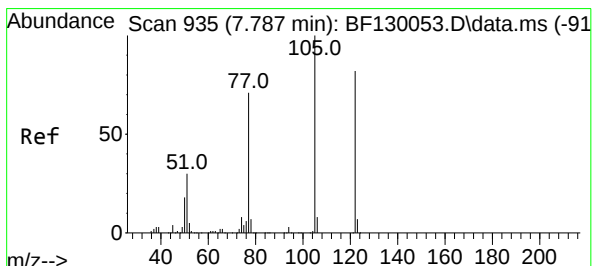
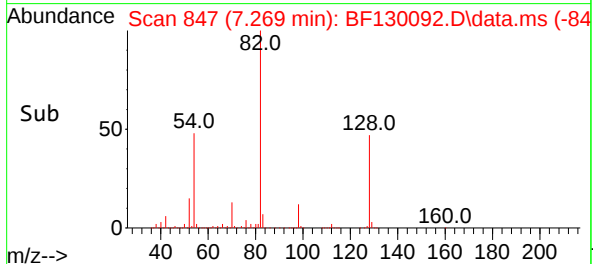
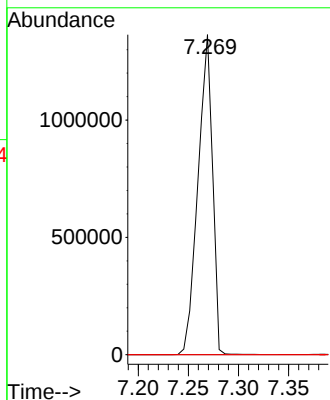
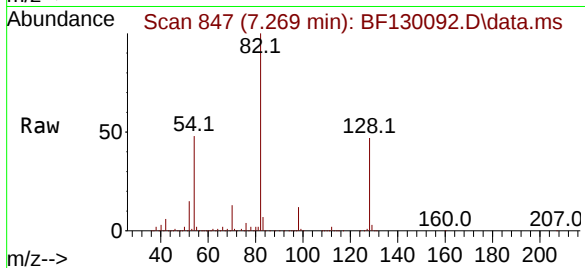




#25  
Isophorone  
Concen: 45.253 ng  
RT: 7.269 min Scan# 84  
Delta R.T. -0.270 min  
Lab File: BF130092.D  
Acq: 01 Sep 2022 23:00

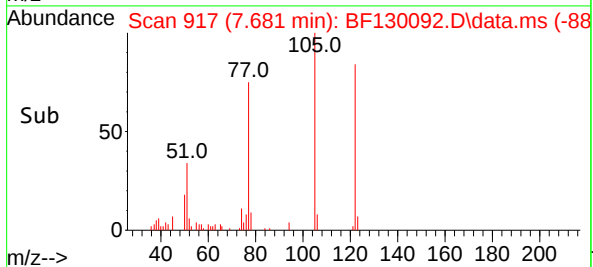
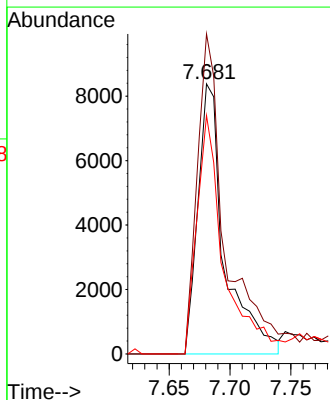
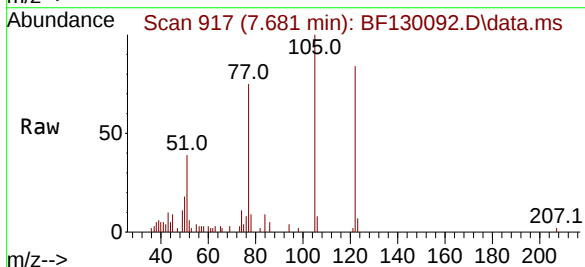
Instrument :  
BNA\_F  
ClientSampleId :  
WC-1

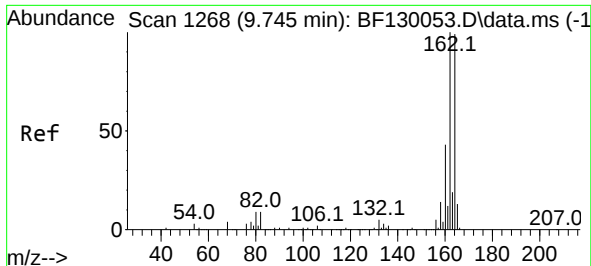
Tgt Ion: 82 Resp: 1377994  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 14.6 21.8#



#32  
Benzoic acid  
Concen: 7.630 ng  
RT: 7.681 min Scan# 917  
Delta R.T. -0.106 min  
Lab File: BF130092.D  
Acq: 01 Sep 2022 23:00

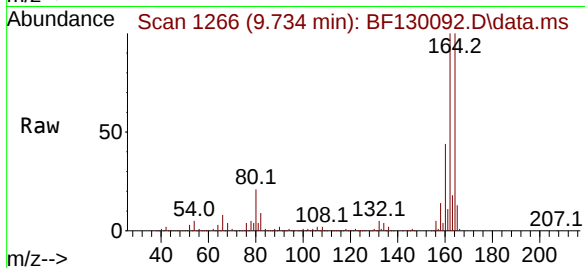
Tgt Ion:122 Resp: 12783  
Ion Ratio Lower Upper  
122 100  
105 118.5 99.9 139.9  
77 88.3 65.9 105.9



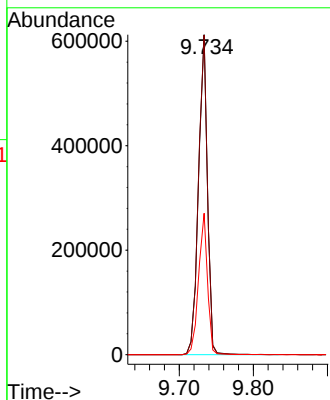
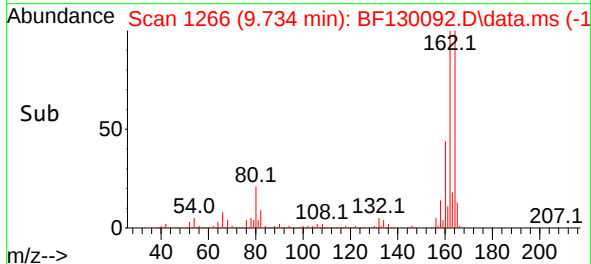


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.734 min Scan# 11  
Delta R.T. -0.011 min  
Lab File: BF130092.D  
Acq: 01 Sep 2022 23:00

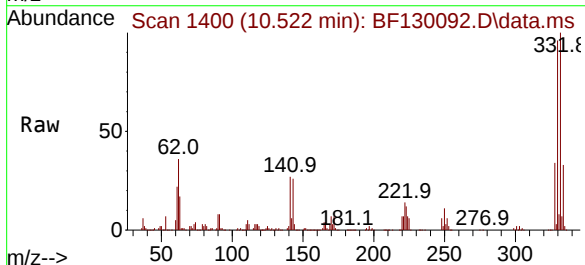
Instrument :  
BNA\_F  
ClientSampleId :  
WC-1



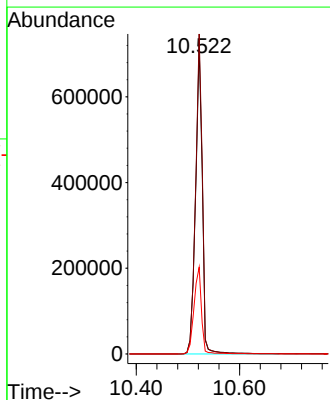
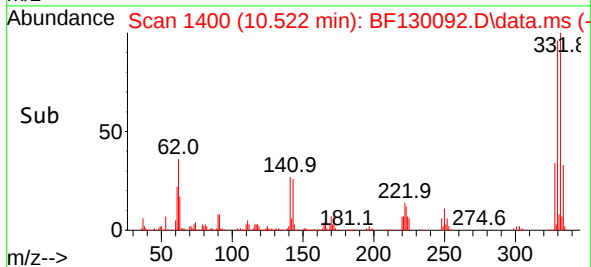
Tgt Ion:164 Resp: 510790  
Ion Ratio Lower Upper  
164 100  
162 99.9 82.0 123.0  
160 44.2 35.4 53.0

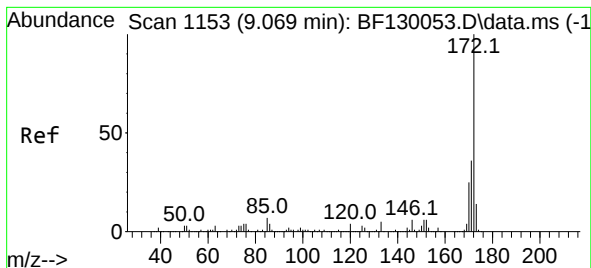


#42  
2,4,6-Tribromophenol  
Concen: 140.942 ng  
RT: 10.522 min Scan# 1400  
Delta R.T. -0.012 min  
Lab File: BF130092.D  
Acq: 01 Sep 2022 23:00



Tgt Ion:330 Resp: 655326  
Ion Ratio Lower Upper  
330 100  
332 103.4 82.6 124.0  
141 31.2 27.6 41.4





#45

2-Fluorobiphenyl

Concen: 80.039 ng

RT: 9.063 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BF130092.D

Acq: 01 Sep 2022 23:00

Instrument :

BNA\_F

ClientSampleId :

WC-1

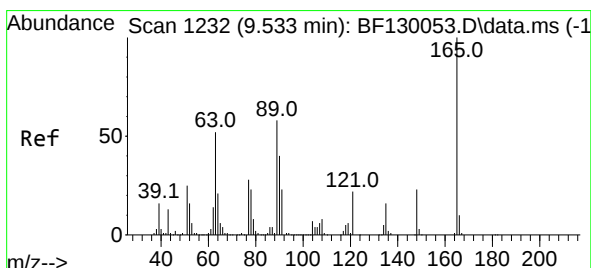
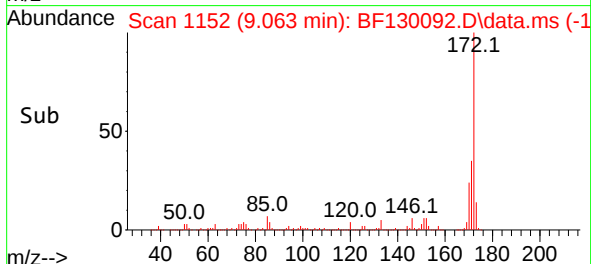
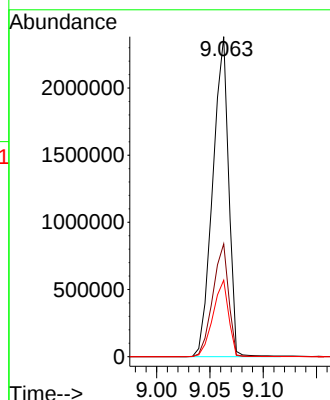
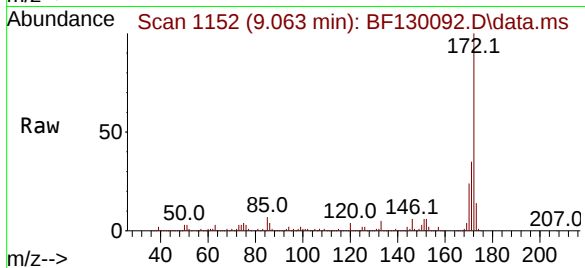
Tgt Ion:172 Resp: 2465883

Ion Ratio Lower Upper

172 100

171 35.3 28.4 42.6

170 23.9 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 9.884 ng

RT: 9.734 min Scan# 1266

Delta R.T. 0.200 min

Lab File: BF130092.D

Acq: 01 Sep 2022 23:00

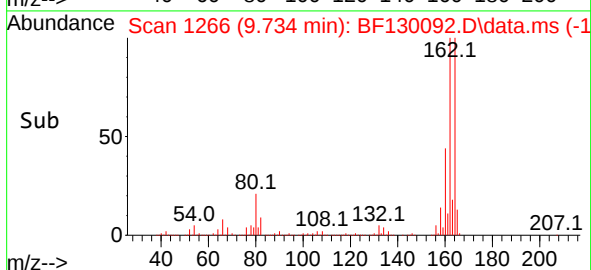
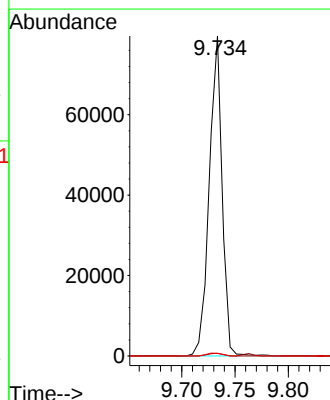
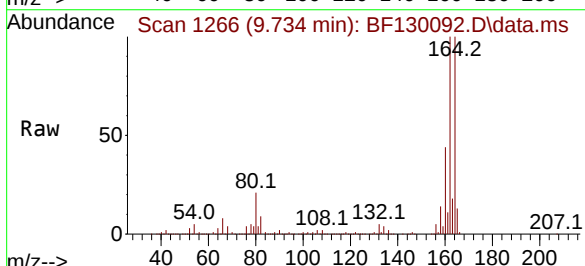
Tgt Ion:165 Resp: 67048

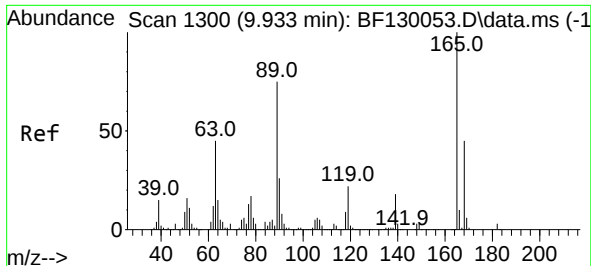
Ion Ratio Lower Upper

165 100

63 0.9 47.8 71.8#

89 0.8 47.2 70.8#





#57

2,4-Dinitrotoluene

Concen: 8.585 ng

RT: 9.734 min Scan# 1

Delta R.T. -0.200 min

Lab File: BF130092.D

Acq: 01 Sep 2022 23:00

Instrument :

BNA\_F

ClientSampleId :

WC-1

Tgt Ion:165 Resp: 67048

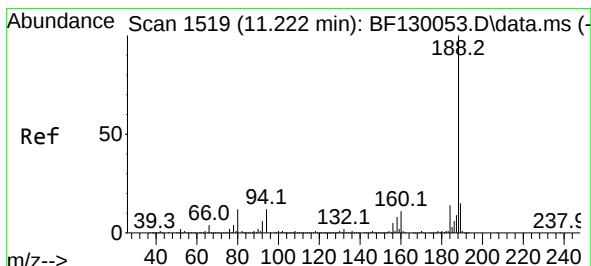
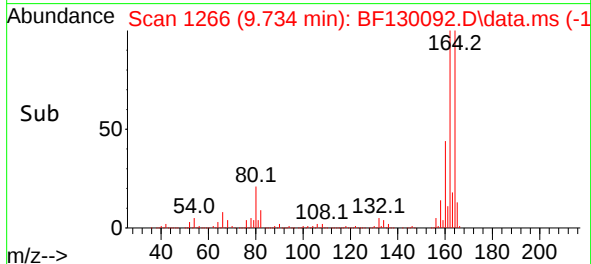
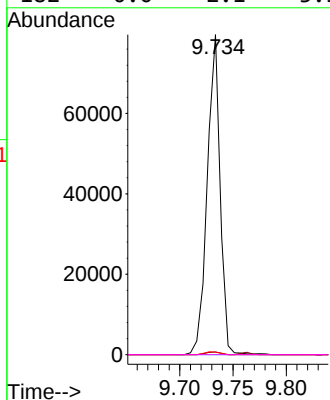
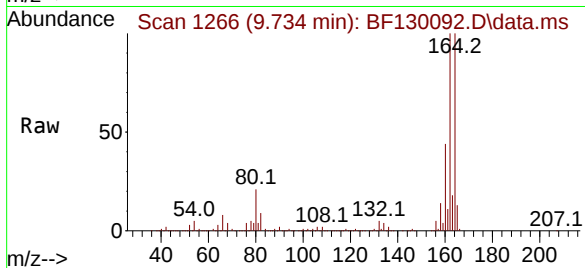
Ion Ratio Lower Upper

165 100

63 0.9 48.4 72.6#

89 0.8 62.3 93.5#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.216 min Scan# 1518

Delta R.T. -0.006 min

Lab File: BF130092.D

Acq: 01 Sep 2022 23:00

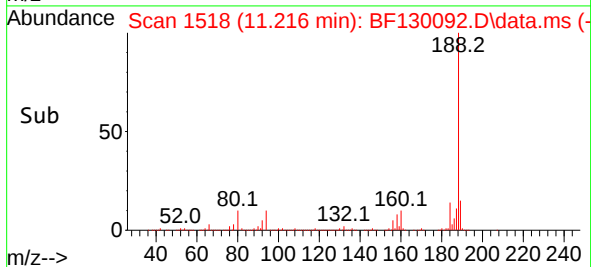
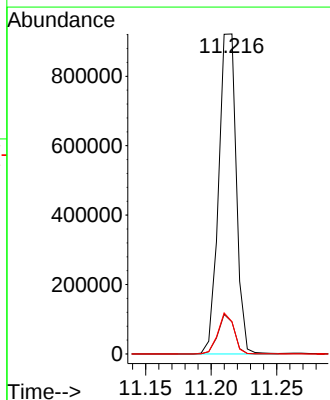
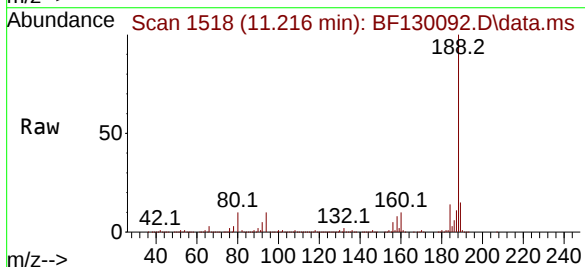
Tgt Ion:188 Resp: 861394

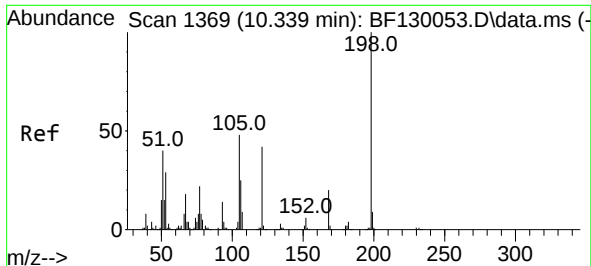
Ion Ratio Lower Upper

188 100

94 10.0 7.4 11.2

80 10.1 7.9 11.9





#65

4,6-Dinitro-2-methylphenol

Concen: 6.391 ng

RT: 10.522 min Scan# 1400

Delta R.T. 0.183 min

Lab File: BF130092.D

Acq: 01 Sep 2022 23:00

Instrument :

BNA\_F

ClientSampleId :

WC-1

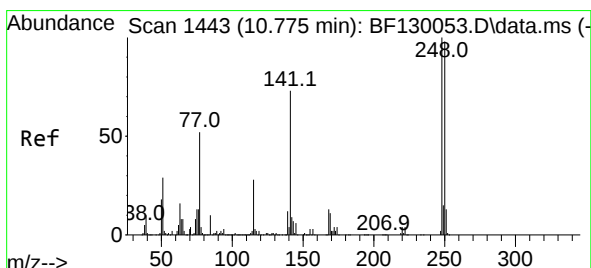
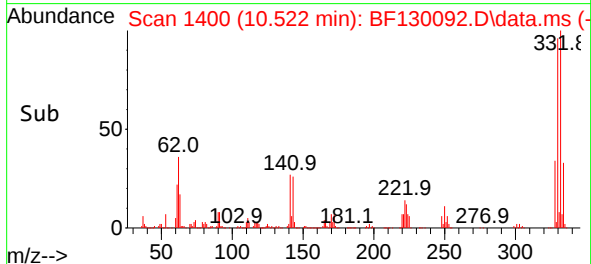
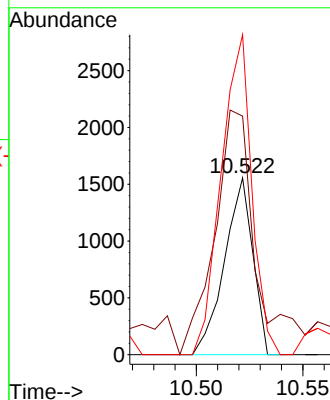
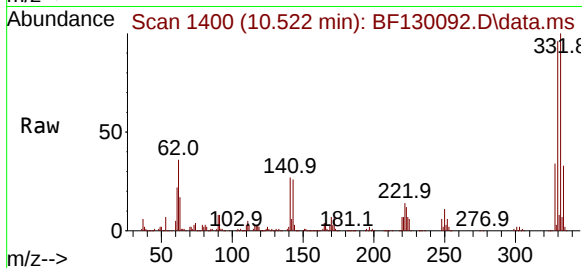
Tgt Ion:198 Resp: 1441

Ion Ratio Lower Upper

198 100

51 134.9 29.4 69.4#

105 181.0 29.2 69.2#



#67

4-Bromophenyl-phenylether

Concen: 3.992 ng

RT: 10.522 min Scan# 1400

Delta R.T. -0.253 min

Lab File: BF130092.D

Acq: 01 Sep 2022 23:00

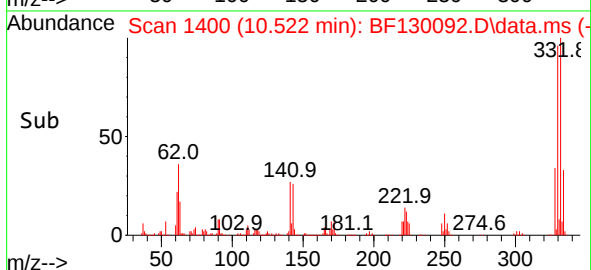
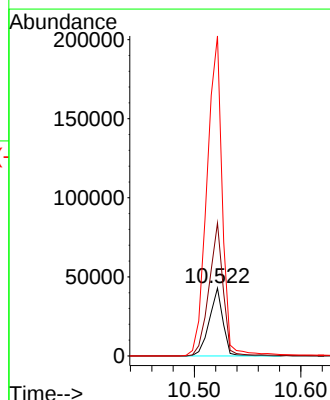
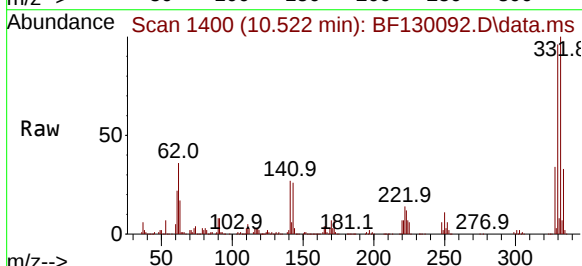
Tgt Ion:248 Resp: 38252

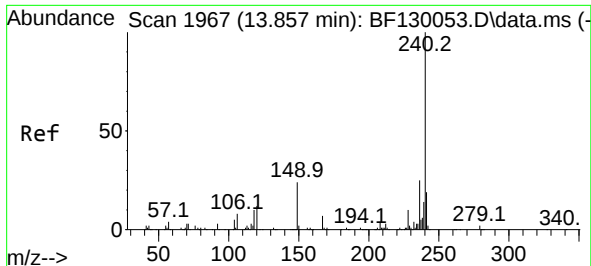
Ion Ratio Lower Upper

248 100

250 195.9 77.8 116.6#

141 471.4 66.2 99.2#

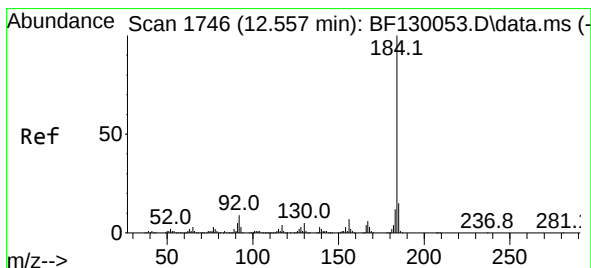
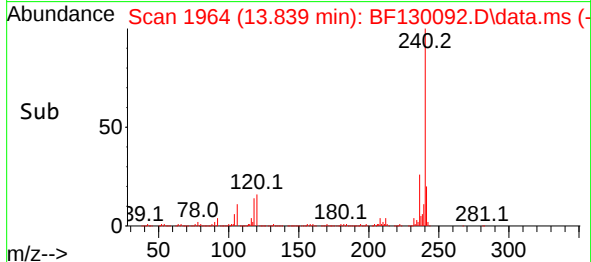
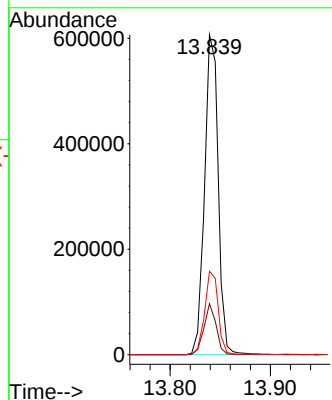
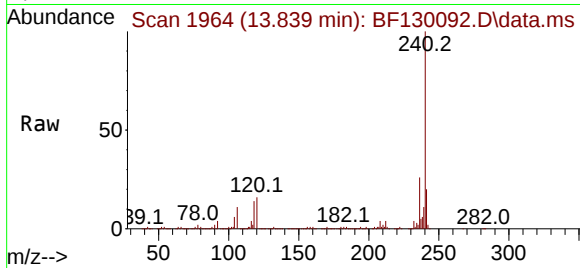




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.839 min Scan# 1964  
Delta R.T. -0.018 min  
Lab File: BF130092.D  
Acq: 01 Sep 2022 23:00

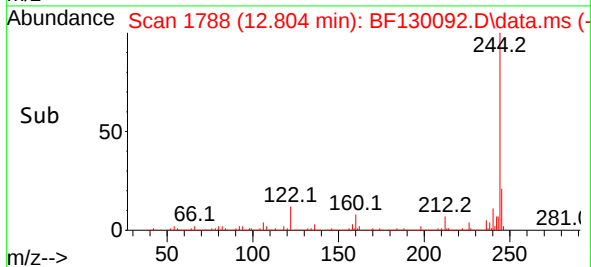
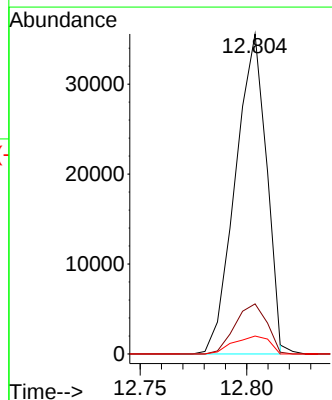
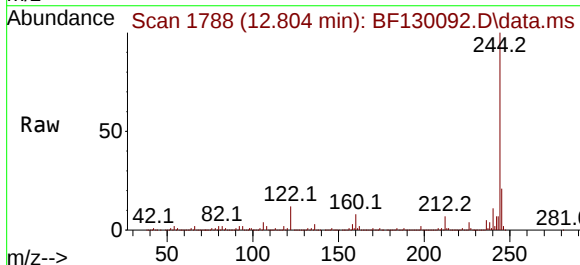
Instrument :  
BNA\_F  
ClientSampleId :  
WC-1

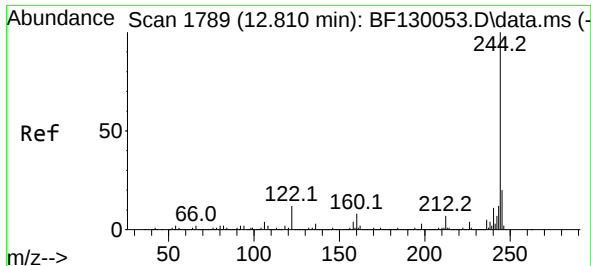
Tgt Ion:240 Resp: 577166  
Ion Ratio Lower Upper  
240 100  
120 15.9 9.2 13.8#  
236 26.0 20.7 31.1



#77  
Benzidine  
Concen: 2.314 ng  
RT: 12.804 min Scan# 1788  
Delta R.T. 0.247 min  
Lab File: BF130092.D  
Acq: 01 Sep 2022 23:00

Tgt Ion:184 Resp: 36058  
Ion Ratio Lower Upper  
184 100  
185 15.6 11.4 17.2  
183 5.6 9.4 14.2#

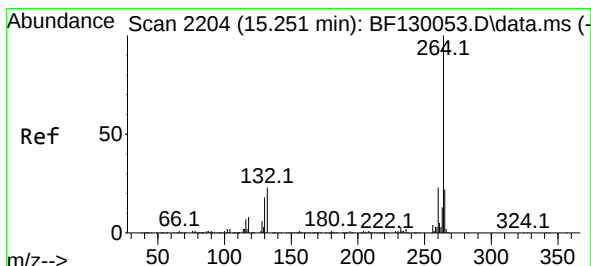
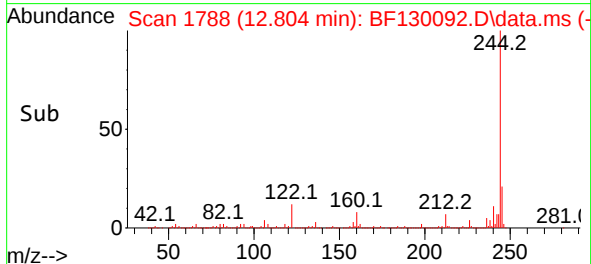
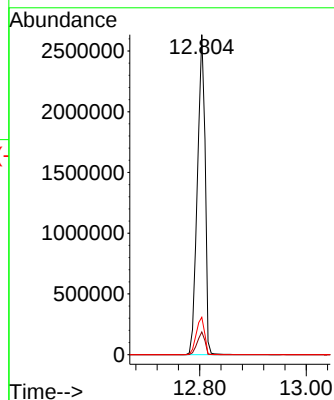
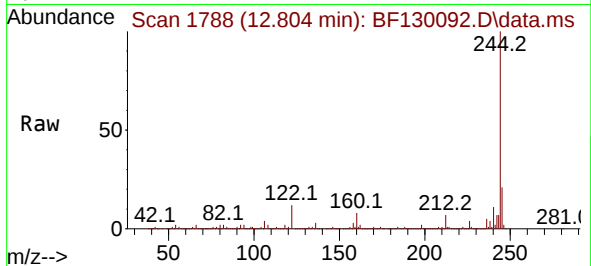




#79  
 Terphenyl-d14  
 Concen: 79.857 ng  
 RT: 12.804 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF130092.D  
 Acq: 01 Sep 2022 23:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-1

Tgt Ion:244 Resp: 2657883  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.9 8.9  
 122 11.7 9.9 14.9



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.245 min Scan# 2203  
 Delta R.T. -0.006 min  
 Lab File: BF130092.D  
 Acq: 01 Sep 2022 23:00

Tgt Ion:264 Resp: 488230  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 19.1 28.7  
 265 20.8 16.7 25.1

