

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060722\  
 Data File : BF128716.D  
 Acq On : 07 Jun 2022 15:19  
 Operator : CG\JU  
 Sample : N3209-06  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-14B-10

Quant Time: Jun 08 00:26:21 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 02 17:07:23 2022  
 Response via : Initial Calibration

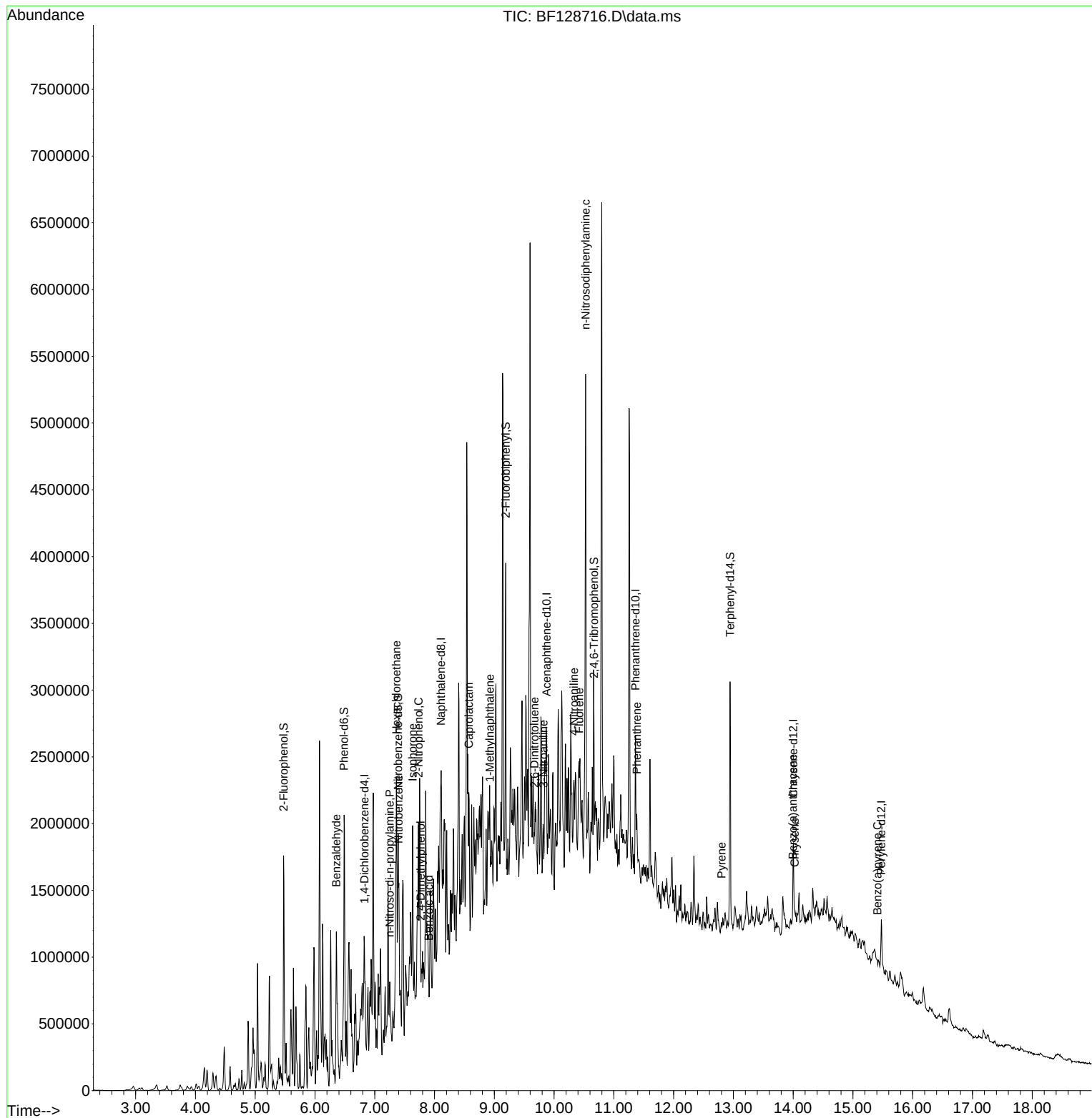
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.828  | 152  | 77196    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.110  | 136  | 271625   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.875  | 164  | 141543   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.363 | 188  | 244941   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.004 | 240  | 158162   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.474 | 264  | 170602   | 20.000 | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 445309   | 91.883 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.487  | 99   | 498184   | 84.210 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.392  | 82   | 370950   | 63.584 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 139775   | 83.577 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.192  | 172  | 642444   | 63.580 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.945 | 244  | 565126   | 62.087 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 9) Benzaldehyde               | 6.357  | 77   | 10555    | 2.929  | ng    | # 6      |
| 18) Hexachloroethane          | 7.363  | 117  | 51838    | 24.064 | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 7.251  | 70   | 22724    | 6.178  | ng    | # 73     |
| 24) Nitrobenzene              | 7.398  | 77   | 17686    | 3.302  | ng    | # 45     |
| 25) Isophorone                | 7.634  | 82   | 61233    | 6.911  | ng    | # 1      |
| 26) 2-Nitrophenol             | 7.734  | 139  | 8082     | 3.425  | ng    | # 1      |
| 27) 2,4-Dimethylphenol        | 7.769  | 122  | 10142    | 2.821  | ng    | # 36     |
| 32) Benzoic acid              | 7.904  | 122  | 5341     | 2.094  | ng    | # 2      |
| 35) Caprolactam               | 8.575  | 113  | 11852    | 10.302 | ng    | # 1      |
| 38) 1-Methylnaphthalene       | 8.928  | 142  | 39349    | 4.593  | ng    | # 96     |
| 51) 2,6-Dinitrotoluene        | 9.669  | 165  | 4227     | 2.211  | ng    | # 83     |
| 53) 3-Nitroaniline            | 9.822  | 138  | 5111     | 2.463  | ng    | # 30     |
| 58) Fluorene                  | 10.422 | 166  | 42540    | 4.724  | ng    | # 81     |
| 62) 4-Nitroaniline            | 10.333 | 138  | 7170     | 3.412  | ng    | # 96     |
| 66) n-Nitrosodiphenylamine    | 10.528 | 169  | 88598    | 11.768 | ng    | # 46     |
| 71) Phenanthrene              | 11.386 | 178  | 104603   | 8.514  | ng    | # 93     |
| 78) Pyrene                    | 12.804 | 202  | 34847    | 2.961  | ng    | # 94     |
| 81) Benzo(a)anthracene        | 13.992 | 228  | 21313    | 2.162  | ng    | # 75     |
| 83) Chrysene                  | 14.027 | 228  | 19977    | 2.125  | ng    | # 73     |
| 90) Benzo(a)pyrene            | 15.410 | 252  | 17456    | 2.037  | ng    | # 27     |

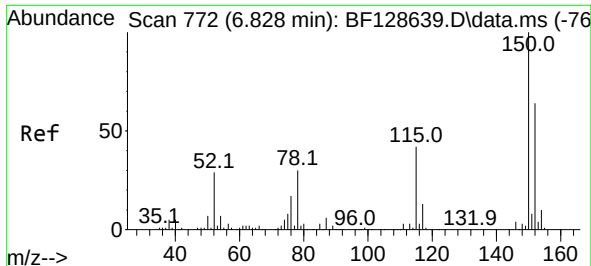
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 02 17:07:23 2022  
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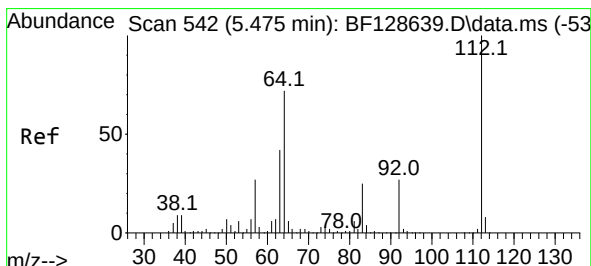
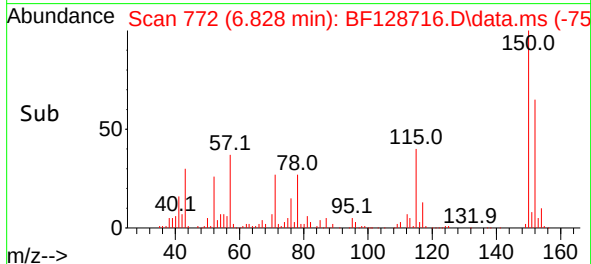
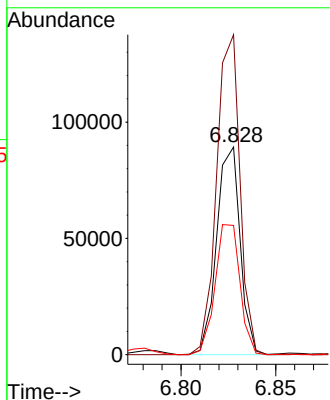
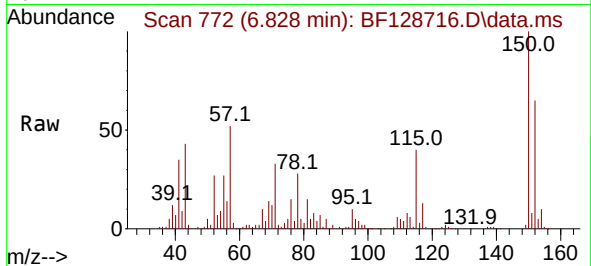




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.828 min Scan# 772  
Delta R.T. -0.000 min  
Lab File: BF128716.D  
Acq: 07 Jun 2022 15:19

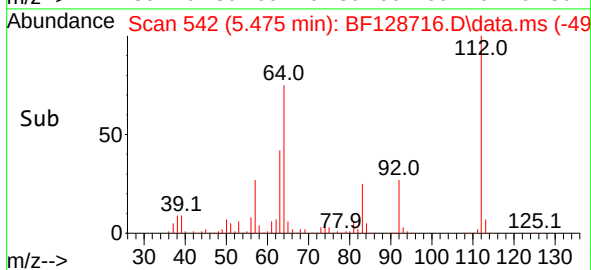
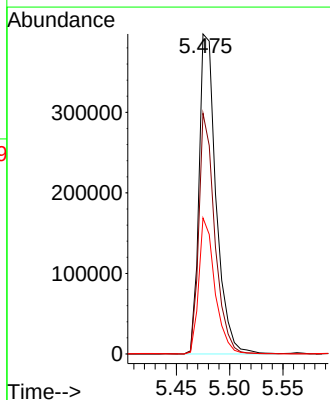
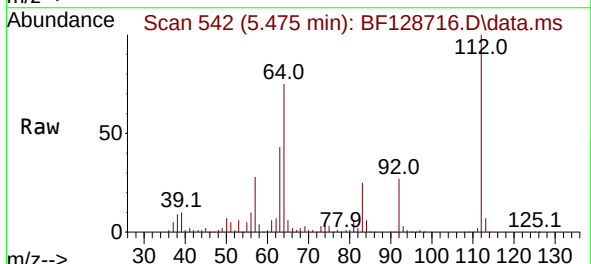
Instrument :  
BNA\_F  
ClientSampleId :  
WC-14B-10

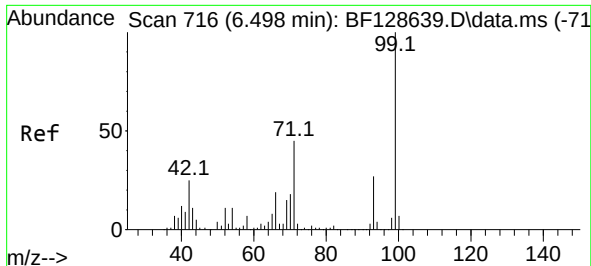
Tgt Ion:152 Resp: 77196  
Ion Ratio Lower Upper  
152 100  
150 154.0 123.7 185.5  
115 62.3 49.9 74.9



#5  
2-Fluorophenol  
Concen: 91.883 ng  
RT: 5.475 min Scan# 542  
Delta R.T. -0.000 min  
Lab File: BF128716.D  
Acq: 07 Jun 2022 15:19

Tgt Ion:112 Resp: 445309  
Ion Ratio Lower Upper  
112 100  
64 75.2 53.3 79.9  
63 42.5 28.0 42.0#





#7

Phenol-d6

Concen: 84.210 ng

RT: 6.487 min Scan# 716

Delta R.T. -0.011 min

Lab File: BF128716.D

Acq: 07 Jun 2022 15:19

Instrument :

BNA\_F

ClientSampleId :

WC-14B-10

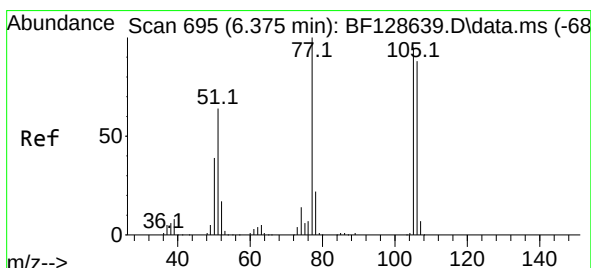
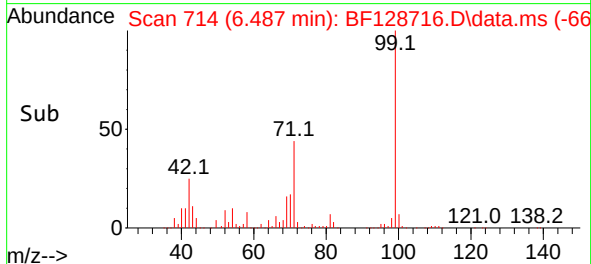
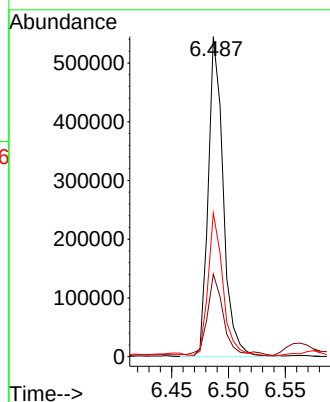
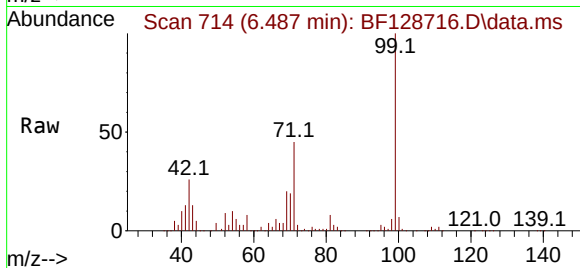
Tgt Ion: 99 Resp: 498184

Ion Ratio Lower Upper

99 100

42 25.8 17.3 25.9

71 44.9 28.9 43.3#



#9

Benzaldehyde

Concen: 2.929 ng

RT: 6.357 min Scan# 692

Delta R.T. -0.018 min

Lab File: BF128716.D

Acq: 07 Jun 2022 15:19

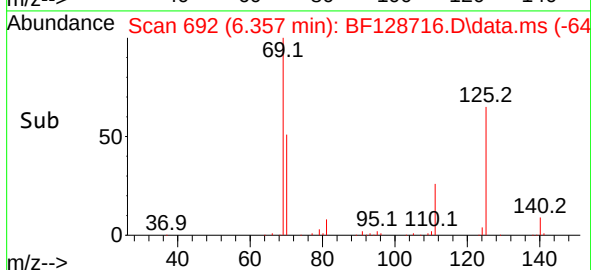
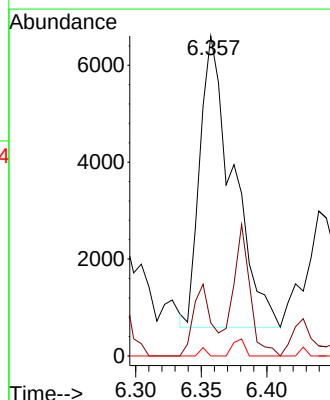
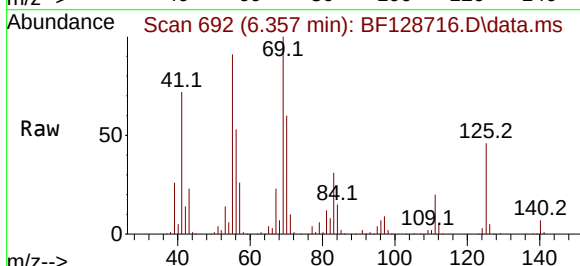
Tgt Ion: 77 Resp: 10555

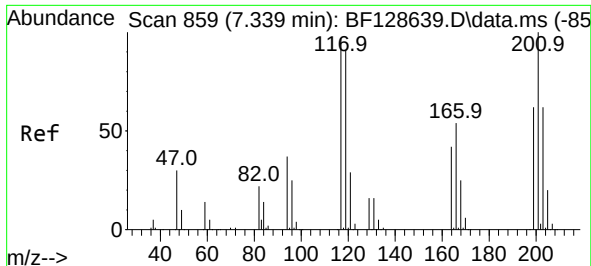
Ion Ratio Lower Upper

77 100

105 10.3 81.6 121.6#

106 0.0 76.1 116.1#

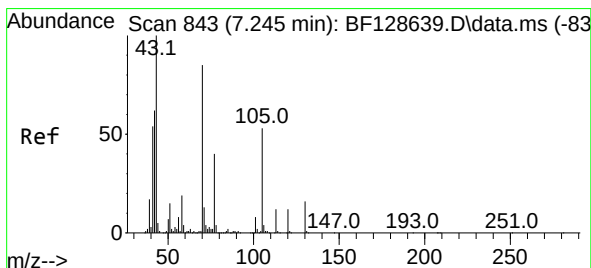
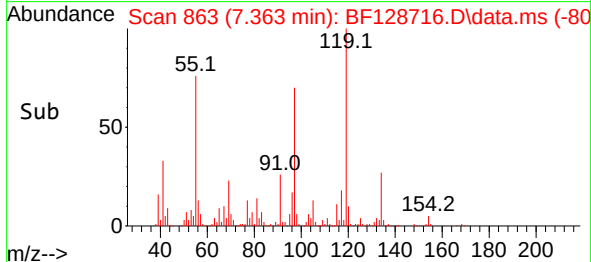
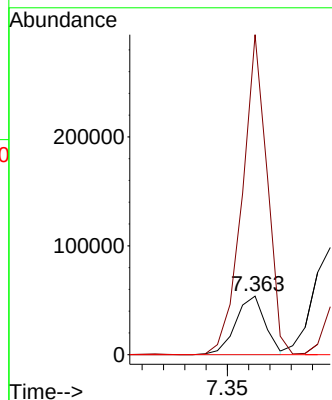
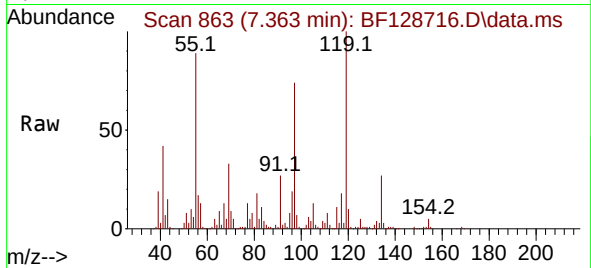




#18  
Hexachloroethane  
Concen: 24.064 ng  
RT: 7.363 min Scan# 80  
Delta R.T. 0.024 min  
Lab File: BF128716.D  
Acq: 07 Jun 2022 15:19

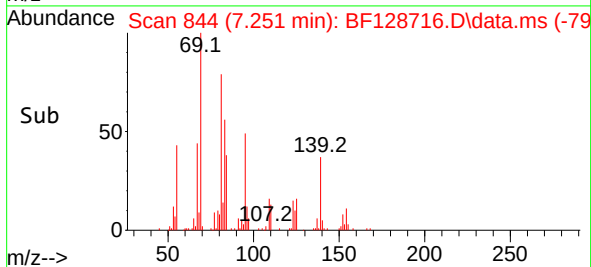
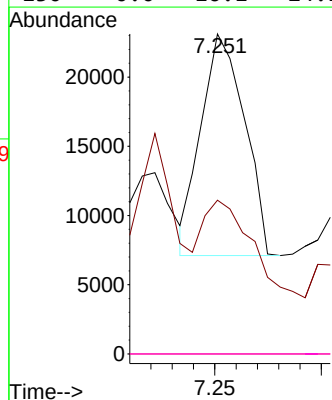
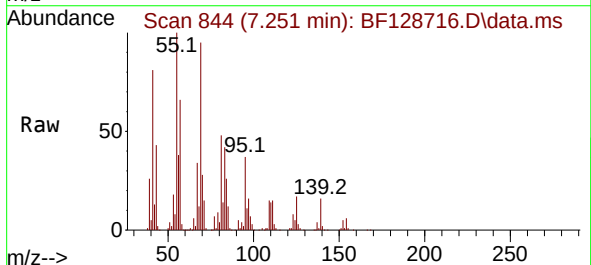
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WC-14B-10

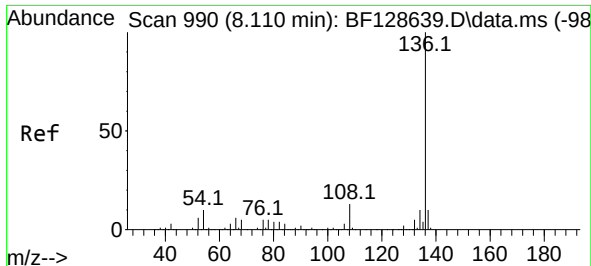
Tgt Ion:117 Resp: 51838  
Ion Ratio Lower Upper  
117 100  
119 546.5 77.4 116.2#  
201 0.0 84.6 127.0#



#19  
n-Nitroso-di-n-propylamine  
Concen: 6.178 ng  
RT: 7.251 min Scan# 844  
Delta R.T. 0.006 min  
Lab File: BF128716.D  
Acq: 07 Jun 2022 15:19

Tgt Ion: 70 Resp: 22724  
Ion Ratio Lower Upper  
70 100  
42 48.1 52.3 78.5#  
101 0.0 7.5 11.3#  
130 0.0 16.1 24.1#

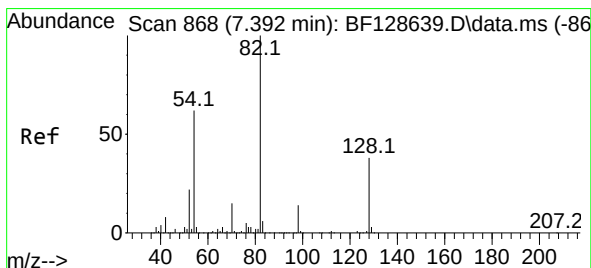
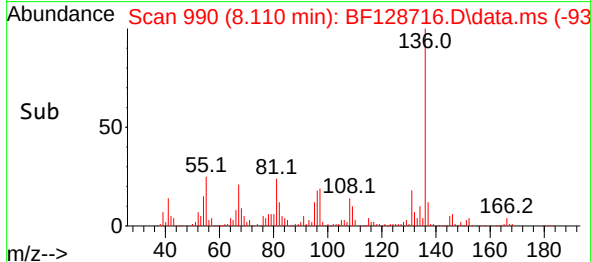
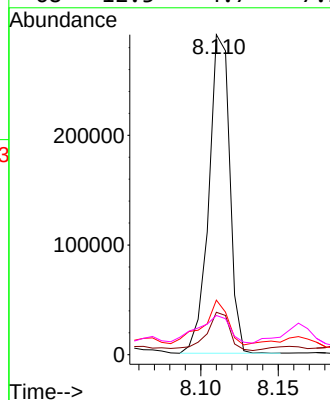
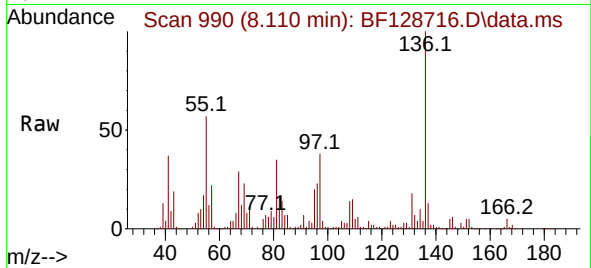




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.110 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: BF128716.D  
Acq: 07 Jun 2022 15:19

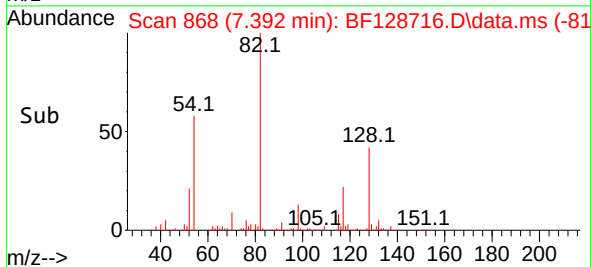
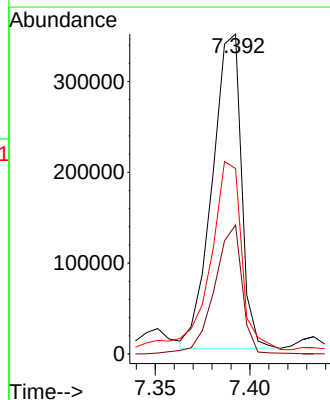
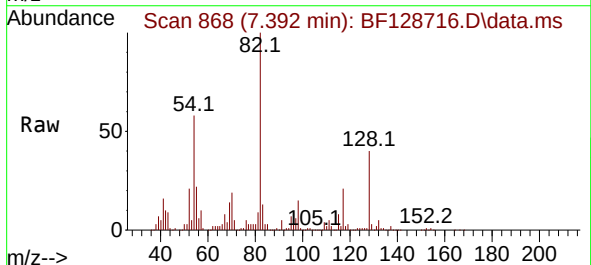
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WC-14B-10

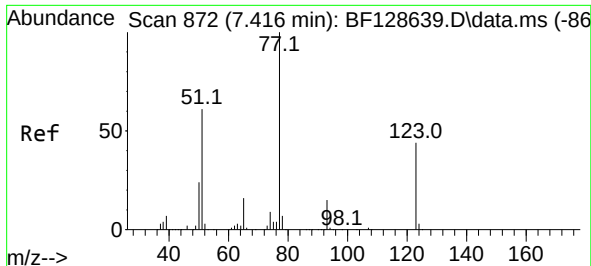
Tgt Ion:136 Resp: 271625  
Ion Ratio Lower Upper  
136 100  
137 13.3 8.8 13.2#  
54 17.1 7.5 11.3#  
68 12.3 4.7 7.1#



#23  
Nitrobenzene-d5  
Concen: 63.584 ng  
RT: 7.392 min Scan# 868  
Delta R.T. 0.000 min  
Lab File: BF128716.D  
Acq: 07 Jun 2022 15:19

Tgt Ion: 82 Resp: 370950  
Ion Ratio Lower Upper  
82 100  
128 40.3 34.0 51.0  
54 58.0 46.9 70.3

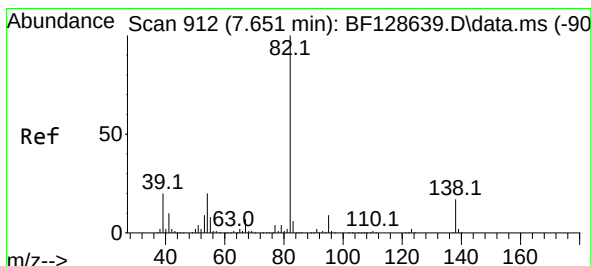
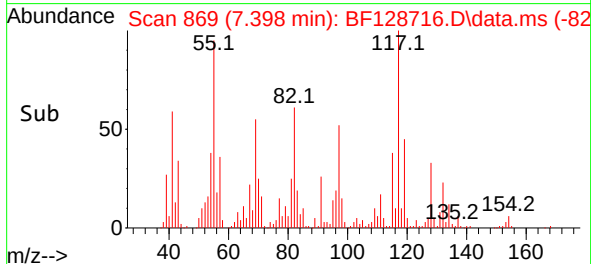
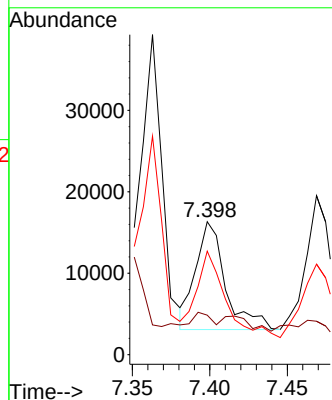
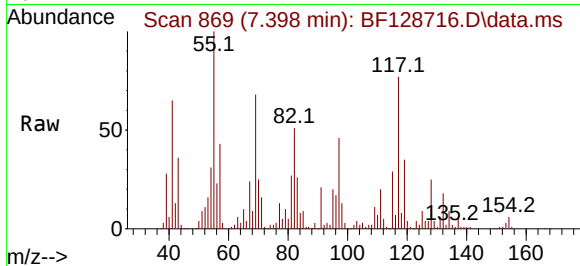




#24  
Nitrobenzene  
Concen: 3.302 ng  
RT: 7.398 min Scan# 80  
Delta R.T. -0.018 min  
Lab File: BF128716.D  
Acq: 07 Jun 2022 15:19

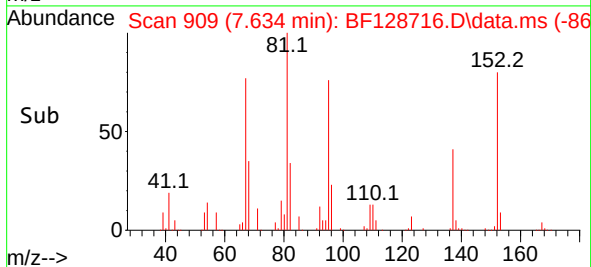
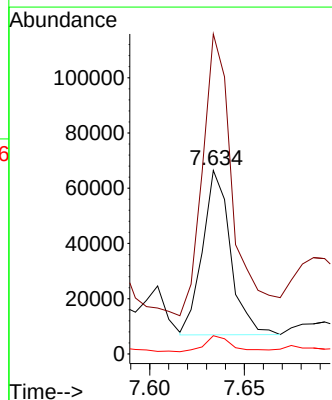
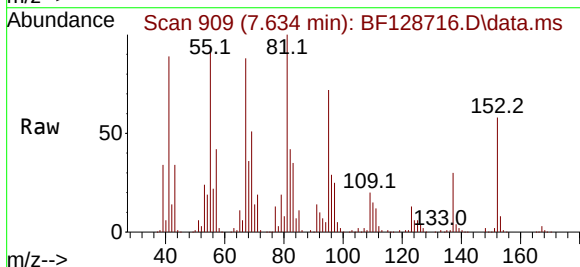
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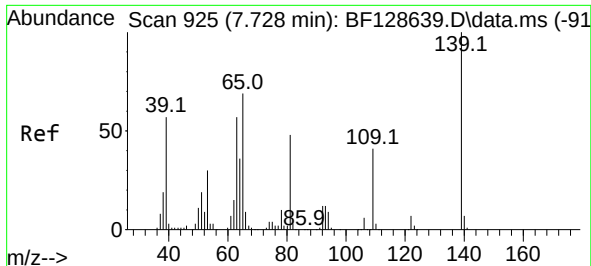
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Ion Ratio Lower Upper  
77 100  
123 29.7 35.4 53.2#  
65 77.9 11.8 17.8#



#25  
Isophorone  
Concen: 6.911 ng  
RT: 7.634 min Scan# 909  
Delta R.T. -0.018 min  
Lab File: BF128716.D  
Acq: 07 Jun 2022 15:19

Tgt Ion: 82 Resp: 61233  
Ion Ratio Lower Upper  
82 100  
95 174.3 5.7 8.5#  
138 9.9 14.2 21.2#

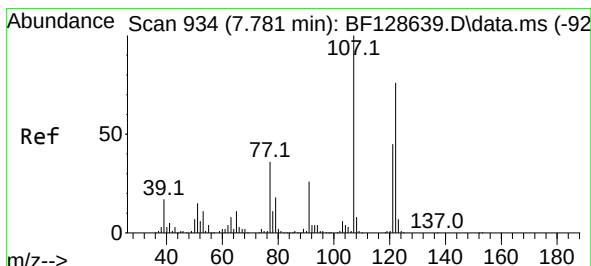
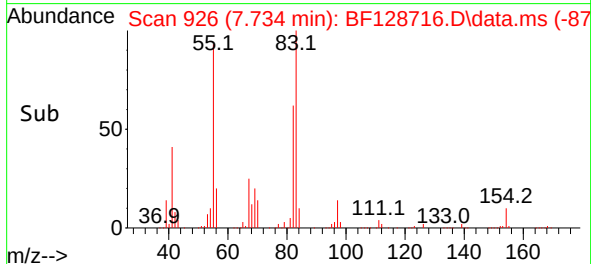
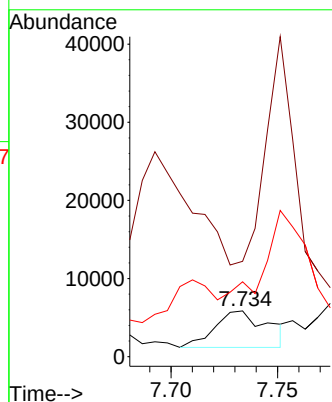
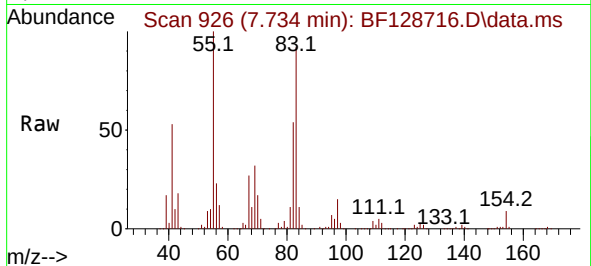




#26  
2-Nitrophenol  
Concen: 3.425 ng  
RT: 7.734 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: BF128716.D  
Acq: 07 Jun 2022 15:19

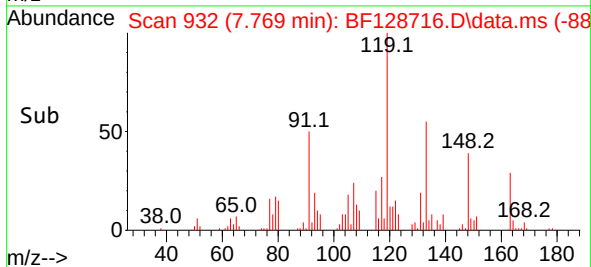
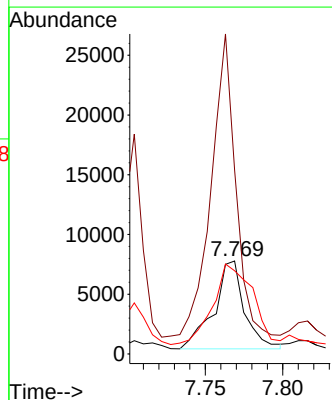
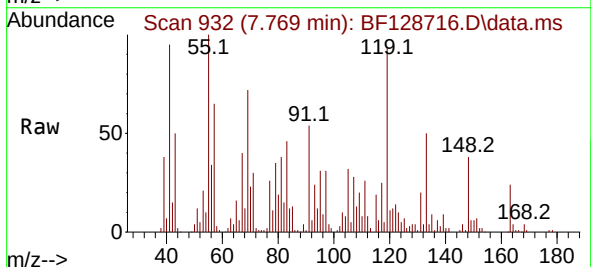
Instrument :  
BNA\_F  
ClientSampleId :  
WC-14B-10

Tgt Ion:139 Resp: 8082  
Ion Ratio Lower Upper  
139 100  
109 208.4 25.0 37.4#  
65 163.9 45.1 67.7#

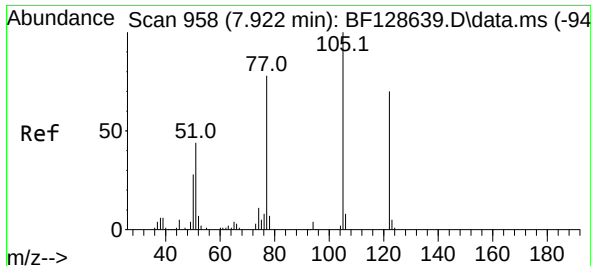


#27  
2,4-Dimethylphenol  
Concen: 2.821 ng  
RT: 7.769 min Scan# 932  
Delta R.T. -0.012 min  
Lab File: BF128716.D  
Acq: 07 Jun 2022 15:19

Tgt Ion:122 Resp: 10142  
Ion Ratio Lower Upper  
122 100  
107 198.0 93.0 139.6#  
121 89.6 46.6 70.0#



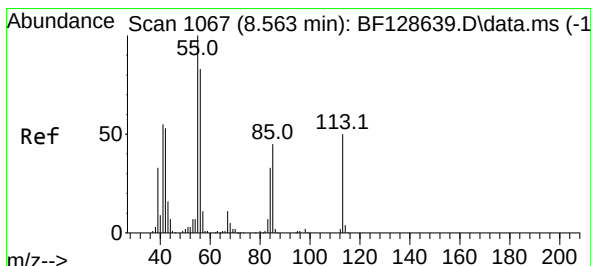
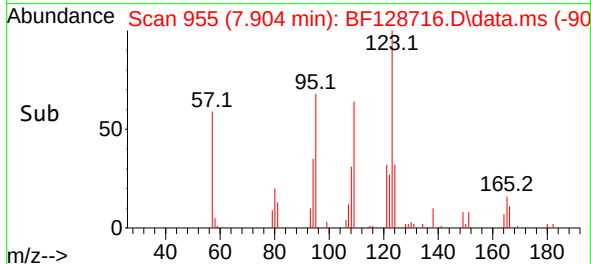
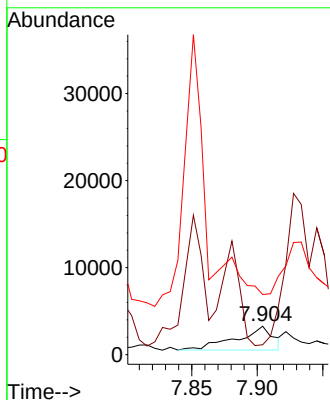
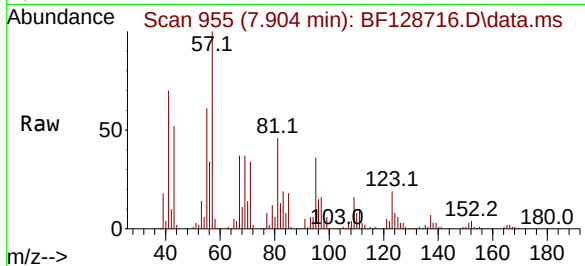




#32  
Benzoic acid  
Concen: 2.094 ng  
RT: 7.904 min Scan# 91  
Delta R.T. -0.018 min  
Lab File: BF128716.D  
Acq: 07 Jun 2022 15:19

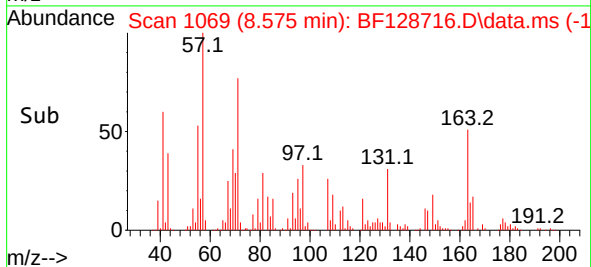
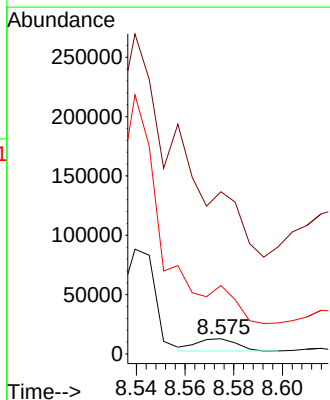
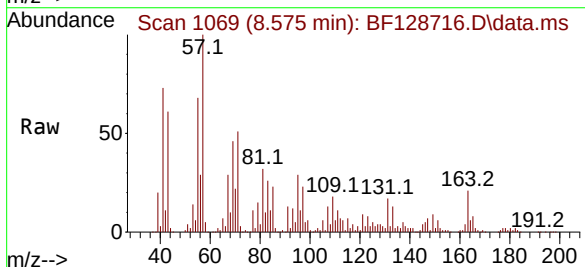
Instrument :  
BNA\_F  
ClientSampleId :  
WC-14B-10

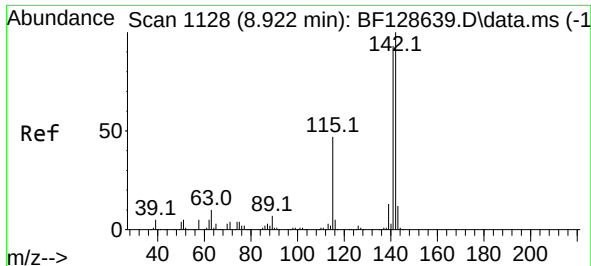
Tgt Ion:122 Resp: 5341  
Ion Ratio Lower Upper  
122 100  
105 34.7 107.1 147.1#  
77 211.4 74.2 114.2#



#35  
Caprolactam  
Concen: 10.302 ng  
RT: 8.575 min Scan# 1069  
Delta R.T. 0.012 min  
Lab File: BF128716.D  
Acq: 07 Jun 2022 15:19

Tgt Ion:113 Resp: 11852  
Ion Ratio Lower Upper  
113 100  
55 1062.4 188.5 228.5#  
56 447.8 130.6 170.6#

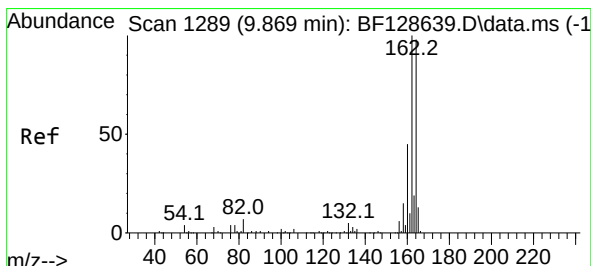
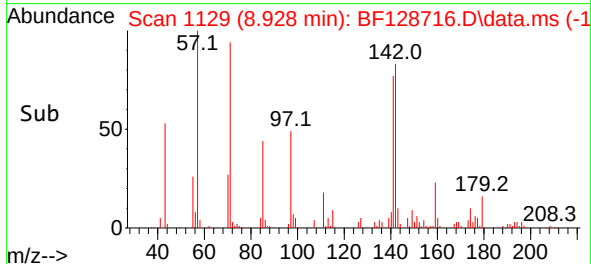
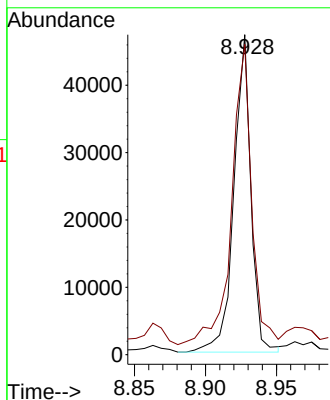
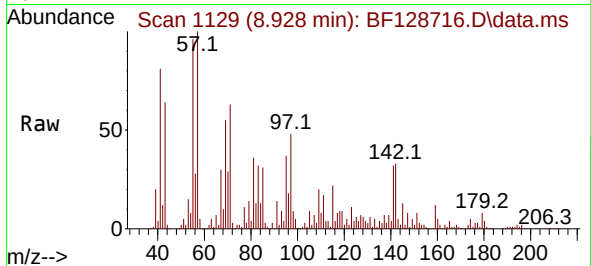




#38  
1-Methylnaphthalene  
Concen: 4.593 ng  
RT: 8.928 min Scan# 1128  
Delta R.T. 0.006 min  
Lab File: BF128716.D  
Acq: 07 Jun 2022 15:19

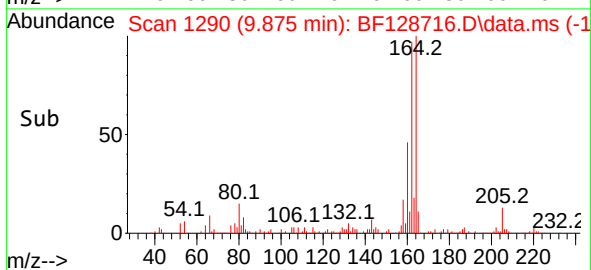
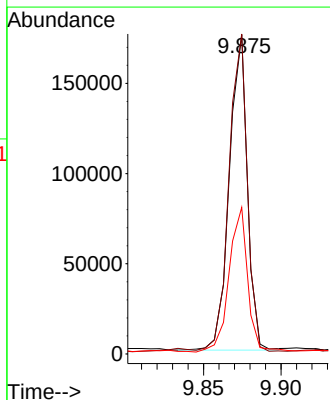
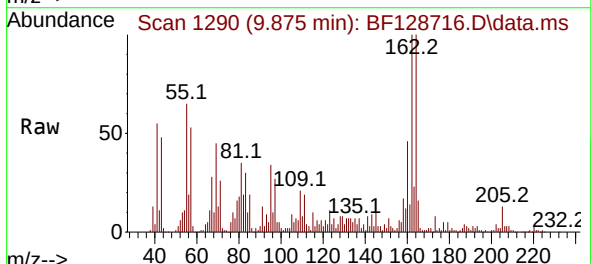
Instrument :  
BNA\_F  
ClientSampleId :  
WC-14B-10

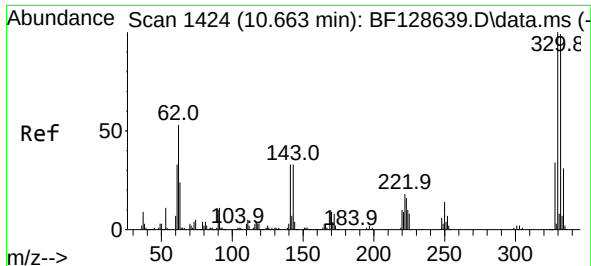
Tgt Ion:142 Resp: 39349  
Ion Ratio Lower Upper  
142 100  
141 97.0 74.2 111.4



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.875 min Scan# 1290  
Delta R.T. 0.006 min  
Lab File: BF128716.D  
Acq: 07 Jun 2022 15:19

Tgt Ion:164 Resp: 141543  
Ion Ratio Lower Upper  
164 100  
162 100.3 79.5 119.3  
160 45.9 34.2 51.4

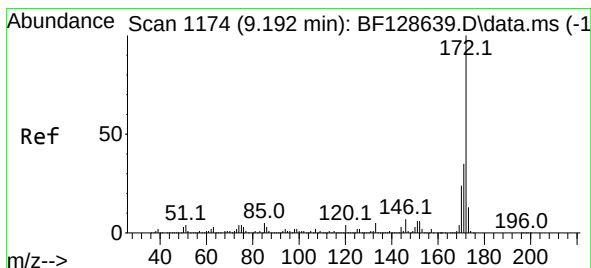
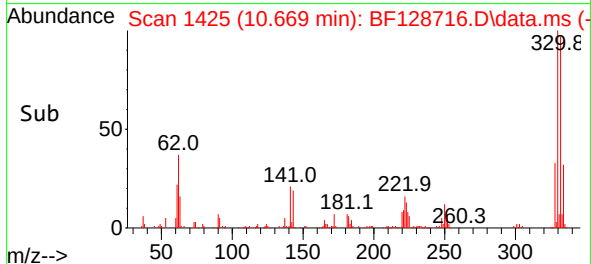
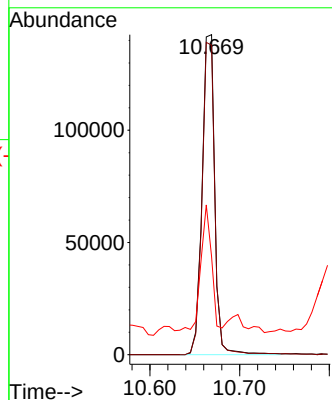
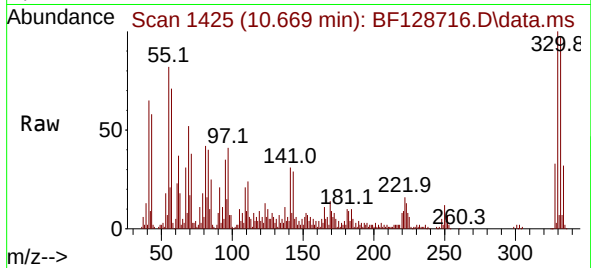




#42  
2,4,6-Tribromophenol  
Concen: 83.577 ng  
RT: 10.669 min Scan# 1424  
Delta R.T. 0.006 min  
Lab File: BF128716.D  
Acq: 07 Jun 2022 15:19

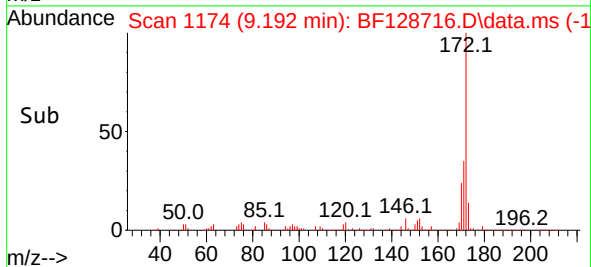
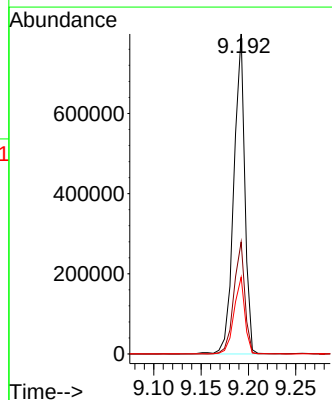
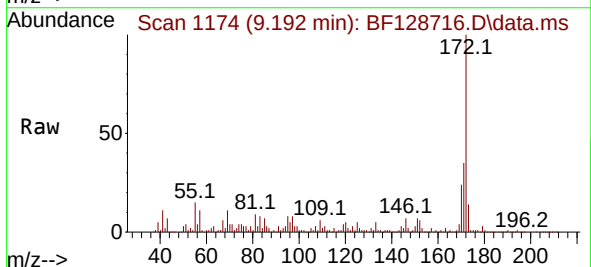
Instrument :  
BNA\_F  
ClientSampleId :  
WC-14B-10

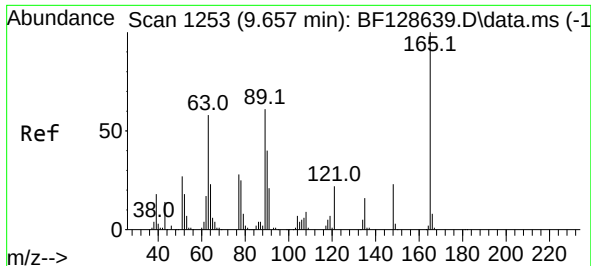
Tgt Ion:330 Resp: 139775  
Ion Ratio Lower Upper  
330 100  
332 98.1 76.8 115.2  
141 32.8 28.0 42.0



#45  
2-Fluorobiphenyl  
Concen: 63.580 ng  
RT: 9.192 min Scan# 1174  
Delta R.T. 0.000 min  
Lab File: BF128716.D  
Acq: 07 Jun 2022 15:19

Tgt Ion:172 Resp: 642444  
Ion Ratio Lower Upper  
172 100  
171 35.0 28.8 43.2  
170 24.0 19.8 29.8

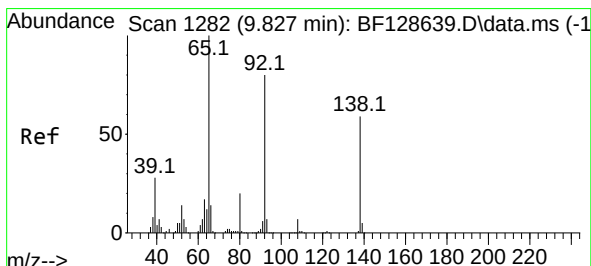
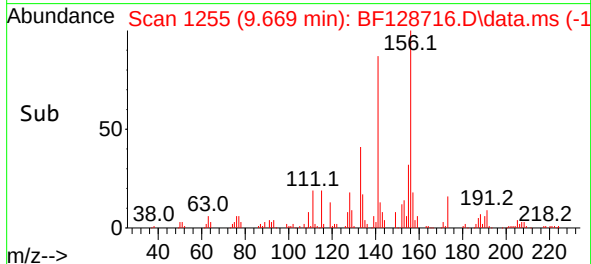
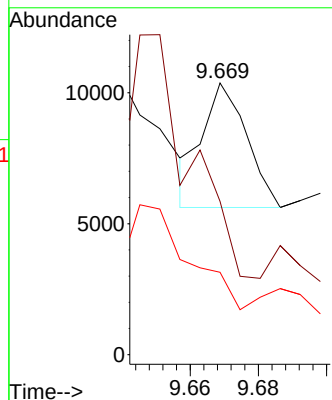
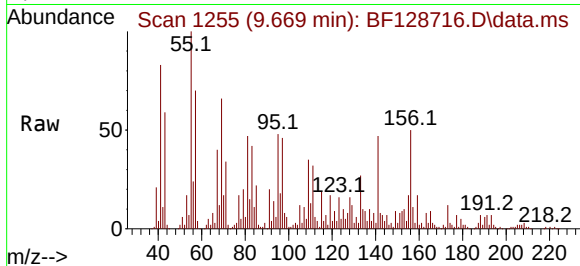




#51  
2,6-Dinitrotoluene  
Concen: 2.211 ng  
RT: 9.669 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: BF128716.D  
Acq: 07 Jun 2022 15:19

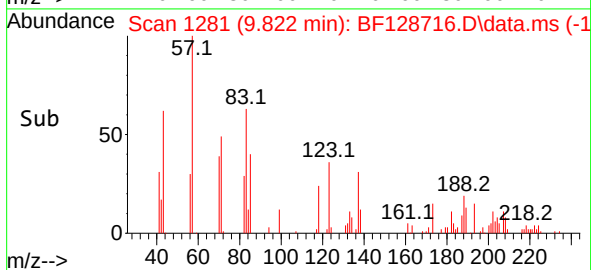
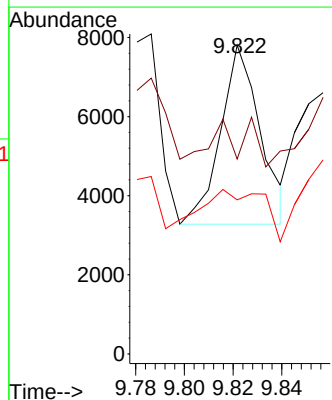
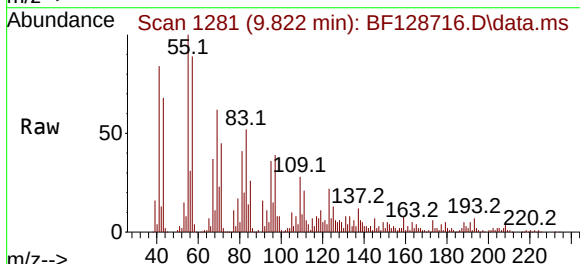
Instrument :  
BNA\_F  
ClientSampleId :  
WC-14B-10

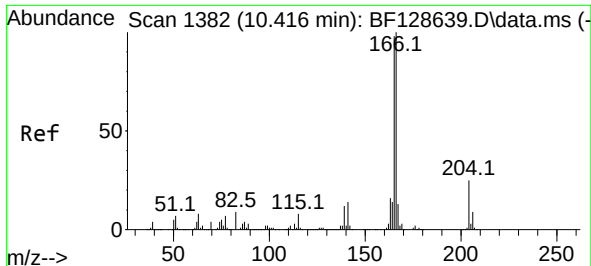
Tgt Ion:165 Resp: 4227  
Ion Ratio Lower Upper  
165 100  
63 56.4 44.9 67.3  
89 30.3 43.6 65.4#



#53  
3-Nitroaniline  
Concen: 2.463 ng  
RT: 9.822 min Scan# 1281  
Delta R.T. -0.006 min  
Lab File: BF128716.D  
Acq: 07 Jun 2022 15:19

Tgt Ion:138 Resp: 5111  
Ion Ratio Lower Upper  
138 100  
108 63.1 10.9 16.3#  
92 49.9 98.2 147.2#

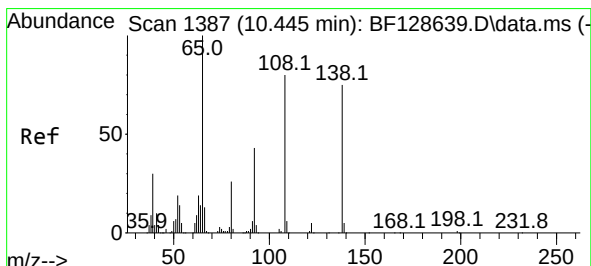
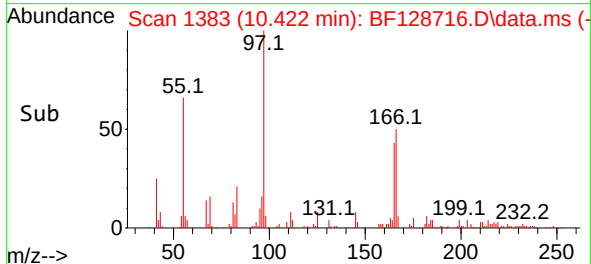
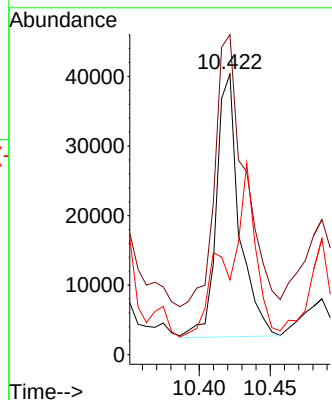
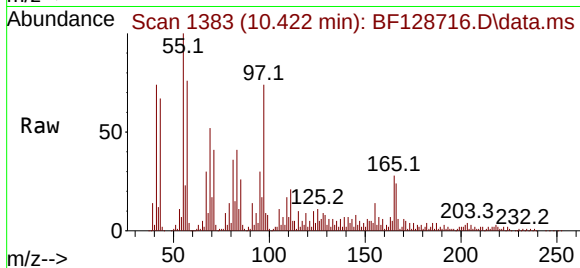




#58  
Fluorene  
Concen: 4.724 ng  
RT: 10.422 min Scan# 1382  
Delta R.T. 0.006 min  
Lab File: BF128716.D  
Acq: 07 Jun 2022 15:19

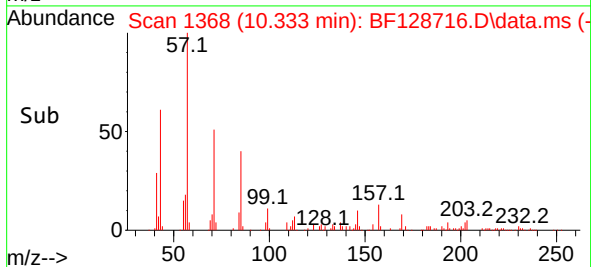
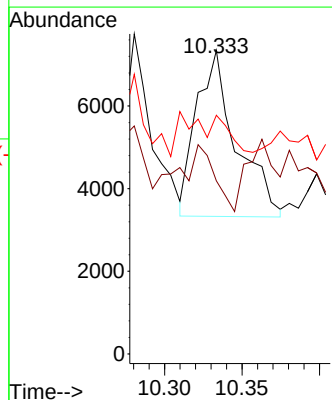
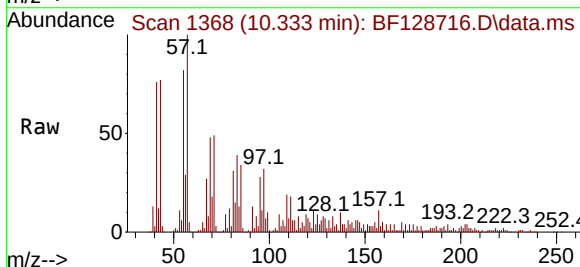
Instrument :  
BNA\_F  
ClientSampleId :  
WC-14B-10

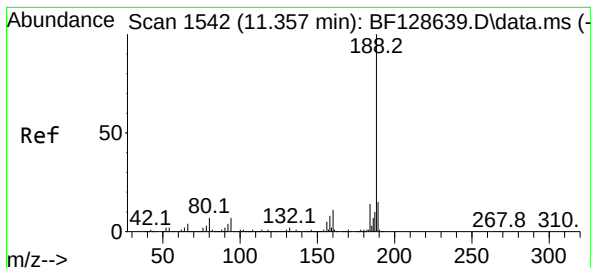
Tgt Ion:166 Resp: 42540  
Ion Ratio Lower Upper  
166 100  
165 114.1 78.1 117.1  
167 26.6 10.5 15.7#



#62  
4-Nitroaniline  
Concen: 3.412 ng  
RT: 10.333 min Scan# 1368  
Delta R.T. -0.112 min  
Lab File: BF128716.D  
Acq: 07 Jun 2022 15:19

Tgt Ion:138 Resp: 7170  
Ion Ratio Lower Upper  
138 100  
92 57.1 33.5 73.5  
108 78.7 61.0 101.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF128716.D

Acq: 07 Jun 2022 15:19

Instrument :

BNA\_F

ClientSampleId :

WC-14B-10

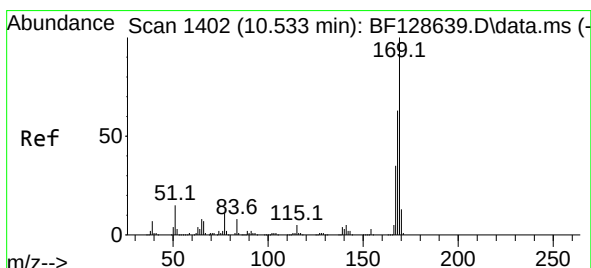
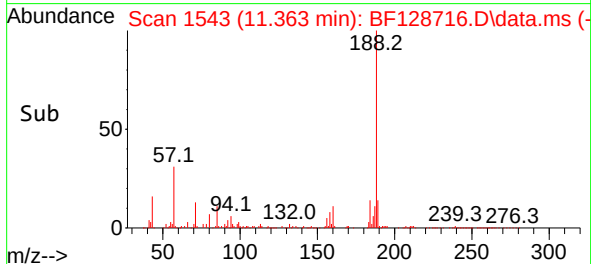
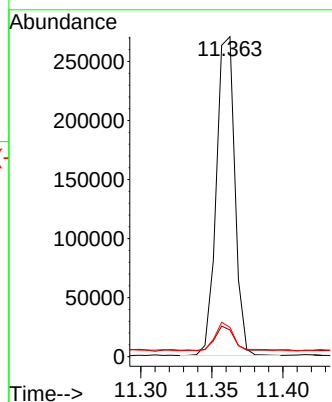
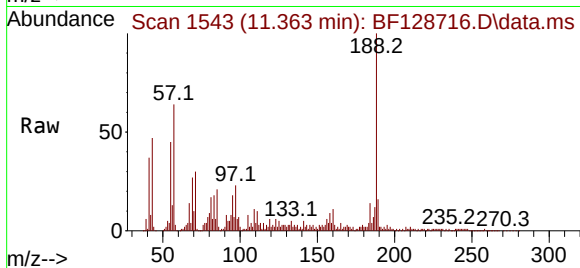
Tgt Ion:188 Resp: 244941

Ion Ratio Lower Upper

188 100

94 8.4 7.0 10.6

80 9.2 7.6 11.4



#66

n-Nitrosodiphenylamine

Concen: 11.768 ng

RT: 10.528 min Scan# 1401

Delta R.T. -0.006 min

Lab File: BF128716.D

Acq: 07 Jun 2022 15:19

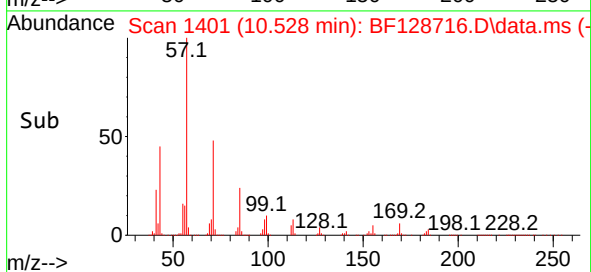
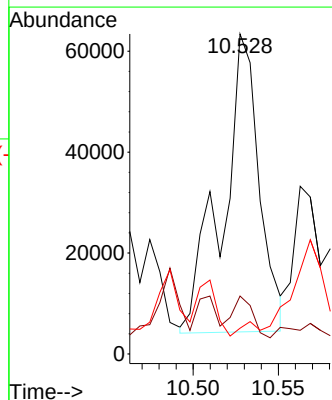
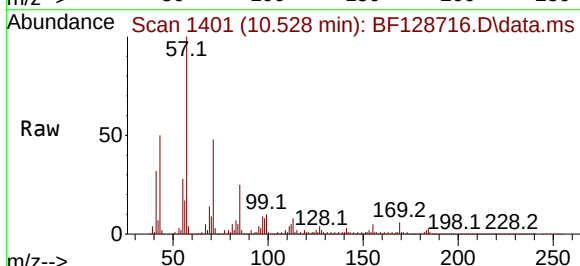
Tgt Ion:169 Resp: 88598

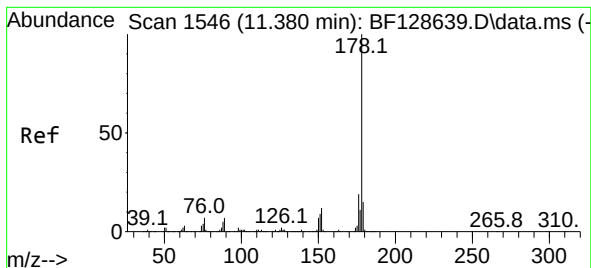
Ion Ratio Lower Upper

169 100

168 18.1 50.1 75.1#

167 8.0 27.9 41.9#





#71

Phenanthrene

Concen: 8.514 ng

RT: 11.386 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF128716.D

Acq: 07 Jun 2022 15:19

Instrument :

BNA\_F

ClientSampleId :

WC-14B-10

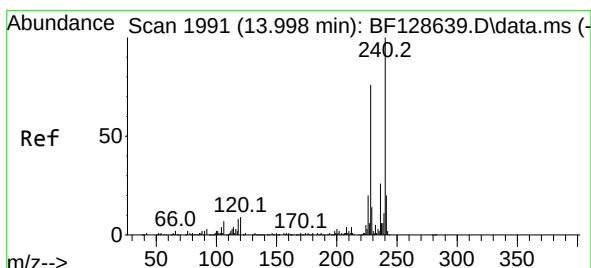
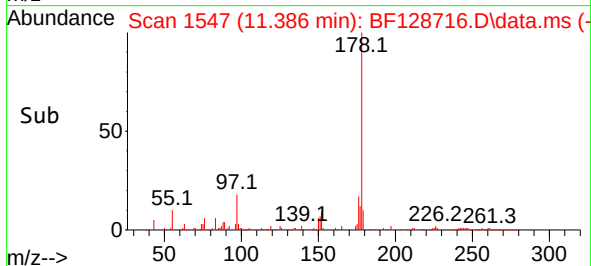
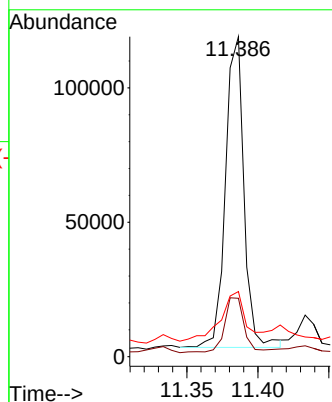
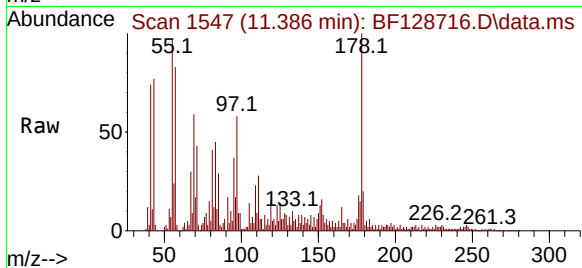
Tgt Ion:178 Resp: 104603

Ion Ratio Lower Upper

178 100

176 18.2 16.0 24.0

179 20.4 12.6 19.0#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 1992

Delta R.T. 0.006 min

Lab File: BF128716.D

Acq: 07 Jun 2022 15:19

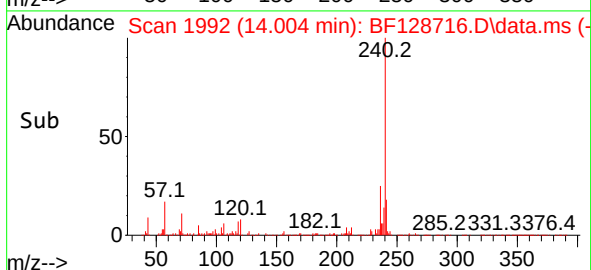
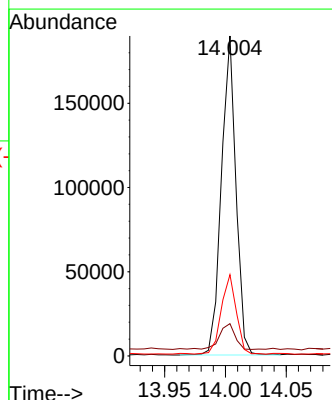
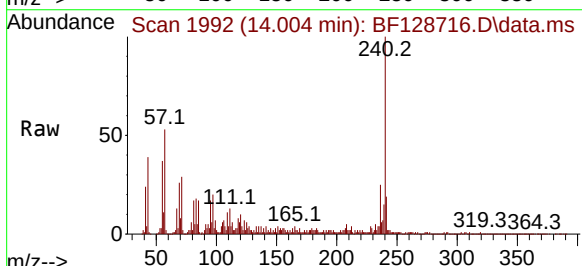
Tgt Ion:240 Resp: 158162

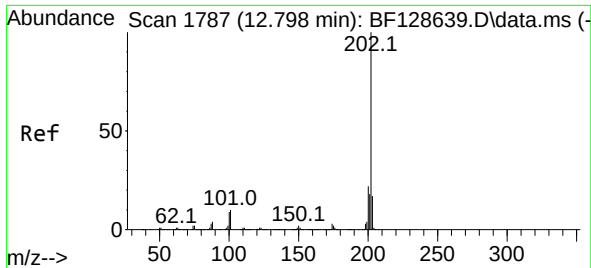
Ion Ratio Lower Upper

240 100

120 10.1 8.9 13.3

236 25.4 20.8 31.2

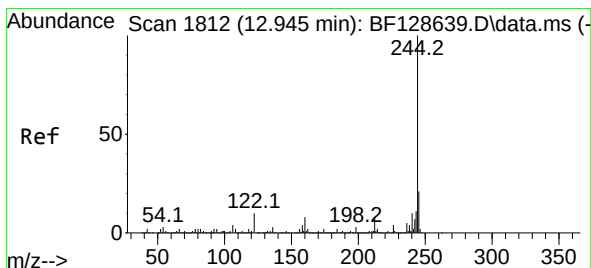
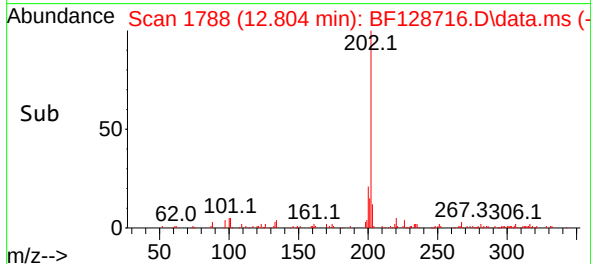
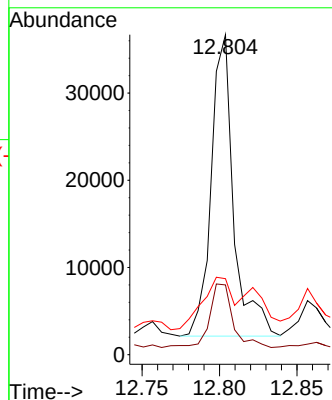
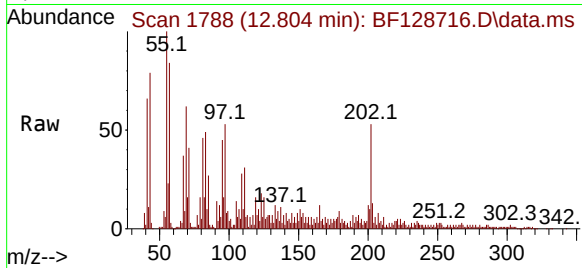




#78  
 Pyrene  
 Concen: 2.961 ng  
 RT: 12.804 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: BF128716.D  
 Acq: 07 Jun 2022 15:19

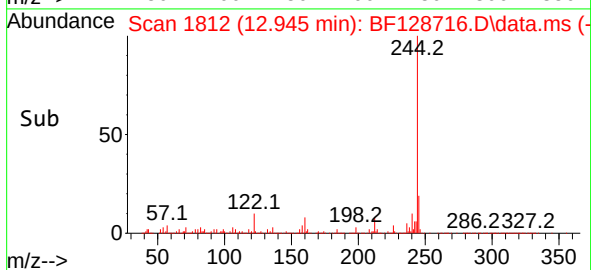
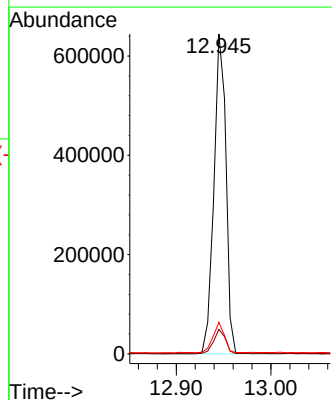
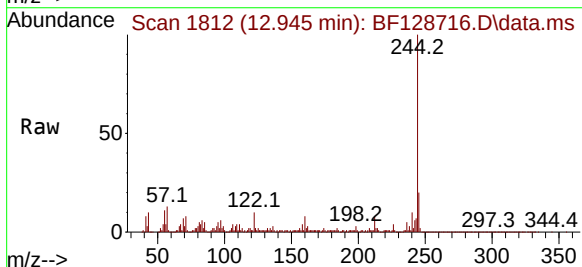
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-14B-10

Tgt Ion:202 Resp: 34847  
 Ion Ratio Lower Upper  
 202 100  
 200 21.8 17.7 26.5  
 203 23.7 14.6 21.8#

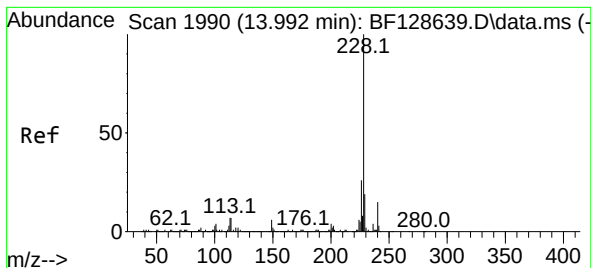


#79  
 Terphenyl-d14  
 Concen: 62.087 ng  
 RT: 12.945 min Scan# 1812  
 Delta R.T. 0.000 min  
 Lab File: BF128716.D  
 Acq: 07 Jun 2022 15:19

Tgt Ion:244 Resp: 565126  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.1 9.1  
 122 9.9 8.8 13.2







#81

Benzo(a)anthracene

Concen: 2.162 ng

RT: 13.992 min Scan# 1990

Delta R.T. 0.000 min

Lab File: BF128716.D

Acq: 07 Jun 2022 15:19

Instrument :

BNA\_F

ClientSampleId :

WC-14B-10

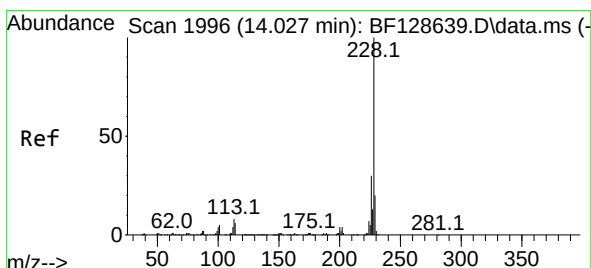
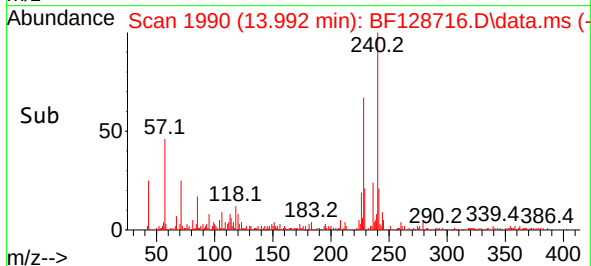
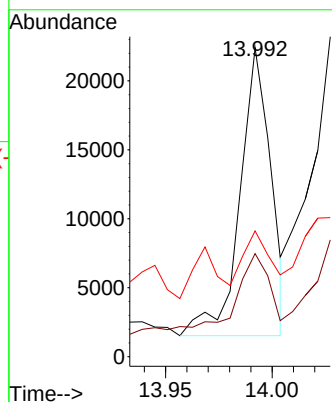
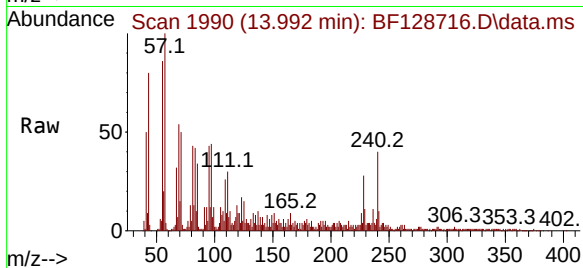
Tgt Ion:228 Resp: 21313

Ion Ratio Lower Upper

228 100

226 33.3 22.1 33.1#

229 40.7 15.8 23.8#



#83

Chrysene

Concen: 2.125 ng

RT: 14.027 min Scan# 1996

Delta R.T. 0.000 min

Lab File: BF128716.D

Acq: 07 Jun 2022 15:19

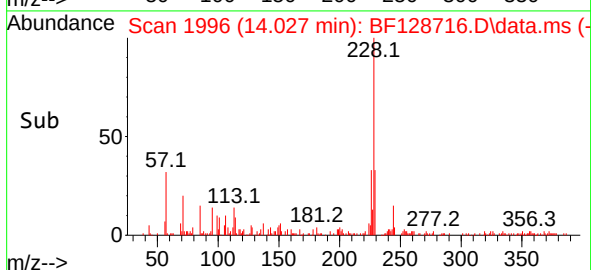
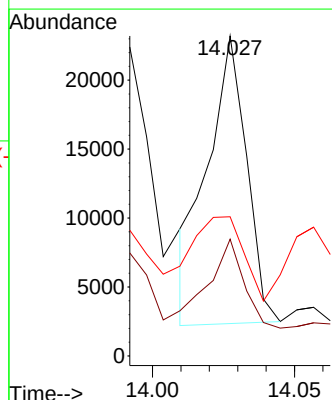
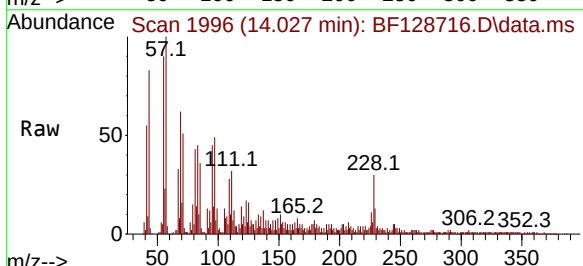
Tgt Ion:228 Resp: 19977

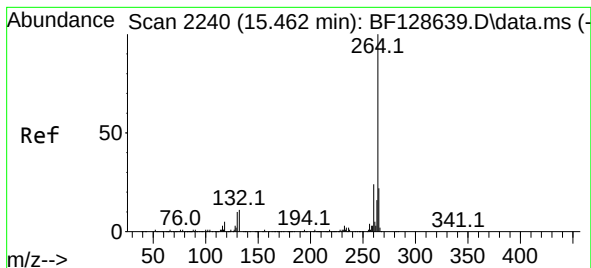
Ion Ratio Lower Upper

228 100

226 36.5 24.3 36.5#

229 43.5 15.9 23.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF128716.D

Acq: 07 Jun 2022 15:19

Instrument :

BNA\_F

ClientSampleId :

WC-14B-10

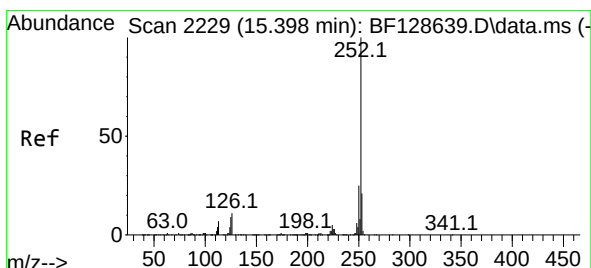
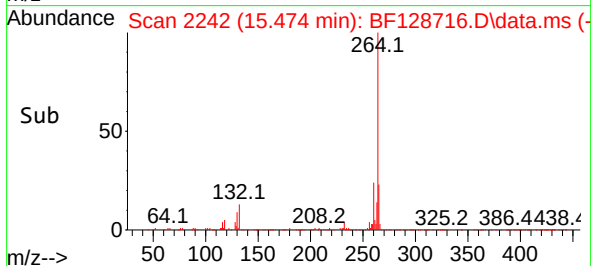
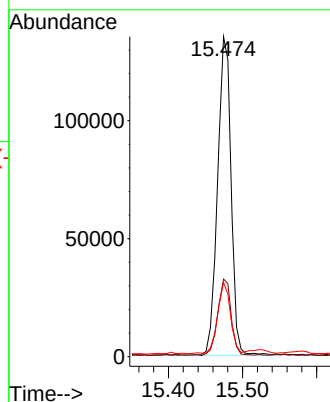
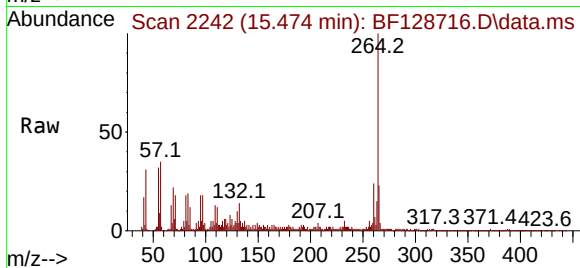
Tgt Ion:264 Resp: 170602

Ion Ratio Lower Upper

264 100

260 24.3 18.4 27.6

265 23.2 17.2 25.8



#90

Benzo(a)pyrene

Concen: 2.037 ng

RT: 15.410 min Scan# 2231

Delta R.T. 0.012 min

Lab File: BF128716.D

Acq: 07 Jun 2022 15:19

Tgt Ion:252 Resp: 17456

Ion Ratio Lower Upper

252 100

253 35.0 17.0 25.6#

125 71.4 8.8 13.2#

