

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091922\  
 Data File : BF130319.D  
 Acq On : 19 Sep 2022 14:11  
 Operator : CG\JU  
 Sample : N4628-02  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HW-54

Quant Time: Sep 19 15:17:52 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 19 15:06:14 2022  
 Response via : Initial Calibration

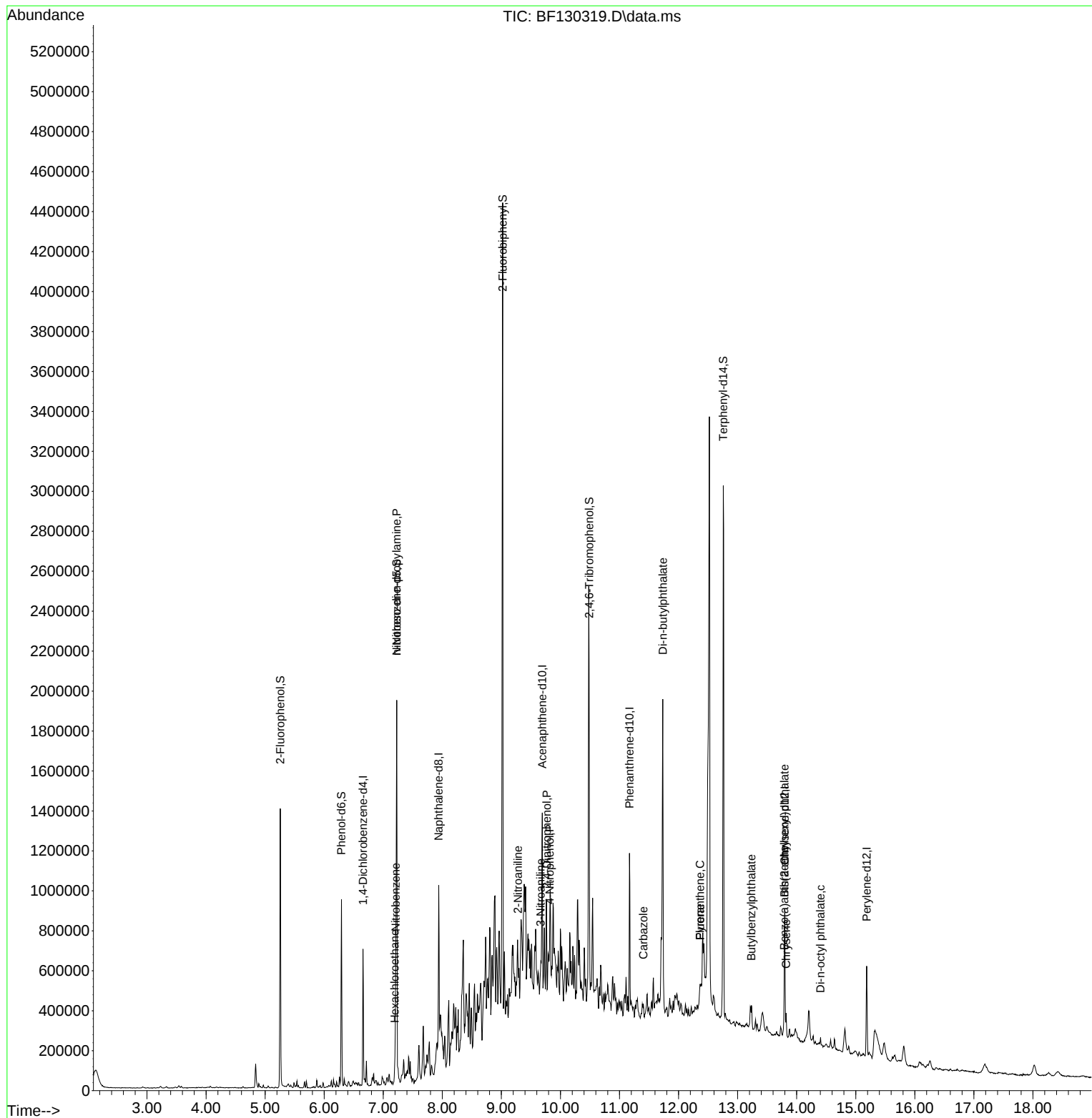
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.657  | 152  | 89582    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 7.939  | 136  | 342190   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.692  | 164  | 169737   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.169 | 188  | 262783   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.798 | 240  | 151014   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.186 | 264  | 180857   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.257  | 112  | 363419   | 70.364  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.292  | 99   | 279652   | 43.274  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.228  | 82   | 640774   | 95.667  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.486 | 330  | 283178   | 174.113 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.022  | 172  | 1108239  | 95.077  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.757 | 244  | 959709   | 105.272 | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 18) Hexachloroethane          | 7.192  | 117  | 6563     | 2.522   | ng    | # 16     |
| 19) n-Nitroso-di-n-propyla... | 7.228  | 70   | 91191    | 20.912  | ng    | # 76     |
| 24) Nitrobenzene              | 7.210  | 77   | 13662    | 2.009   | ng    | # 53     |
| 48) 2-Nitroaniline            | 9.280  | 65   | 7363     | 2.153   | ng    | # 51     |
| 53) 3-Nitroaniline            | 9.663  | 138  | 17132    | 6.270   | ng    | # 8      |
| 54) 2,4-Dinitrophenol         | 9.769  | 184  | 510      | 6.608   | ng    | # 1      |
| 56) 4-Nitrophenol             | 9.816  | 139  | 6948     | 3.491   | ng    | # 1      |
| 73) Carbazole                 | 11.404 | 167  | 50676    | 3.944   | ng    | 94       |
| 74) Di-n-butylphthalate       | 11.733 | 149  | 50985    | 3.290   | ng    | # 91     |
| 75) Fluoranthene              | 12.363 | 202  | 47292    | 3.317   | ng    | 96       |
| 78) Pyrene                    | 12.363 | 202  | 47292    | 3.580   | ng    | 96       |
| 80) Butylbenzylphthalate      | 13.233 | 149  | 28108    | 5.743   | ng    | 93       |
| 81) Benzo(a)anthracene        | 13.786 | 228  | 50293    | 5.006   | ng    | 98       |
| 83) Chrysene                  | 13.821 | 228  | 44420    | 4.657   | ng    | 96       |
| 84) Bis(2-ethylhexyl)phtha... | 13.792 | 149  | 39803    | 7.100   | ng    | # 95     |
| 85) Di-n-octyl phthalate      | 14.404 | 149  | 21758    | 2.538   | ng    | # 98     |

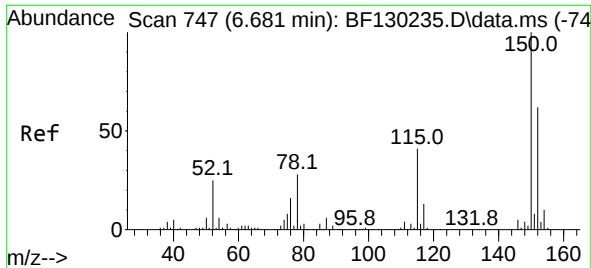
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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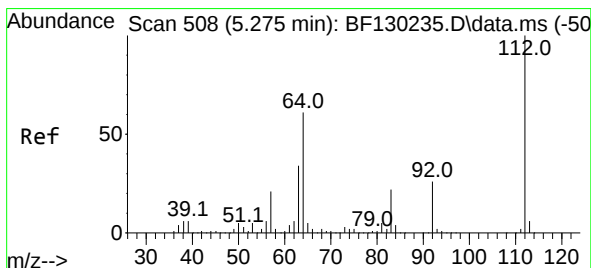
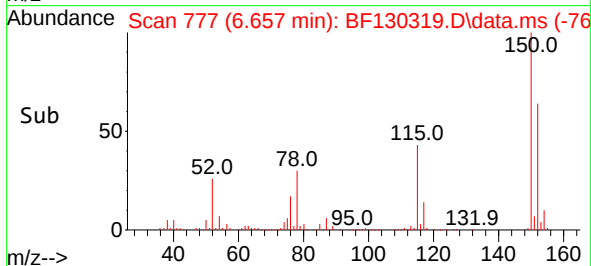
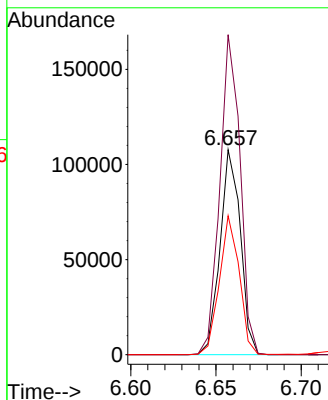
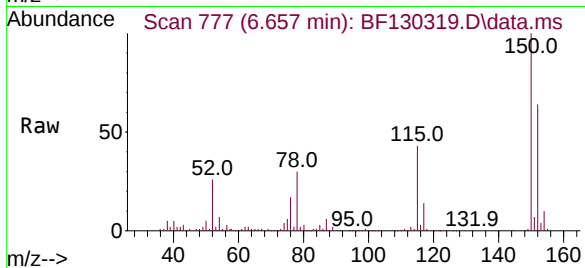




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.657 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF130319.D  
Acq: 19 Sep 2022 14:11

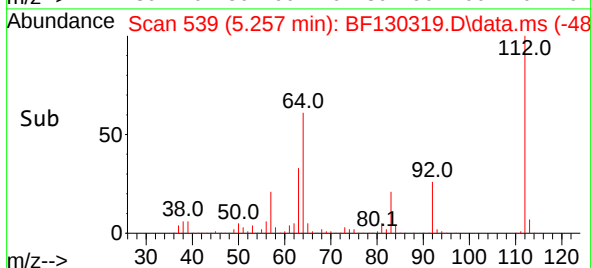
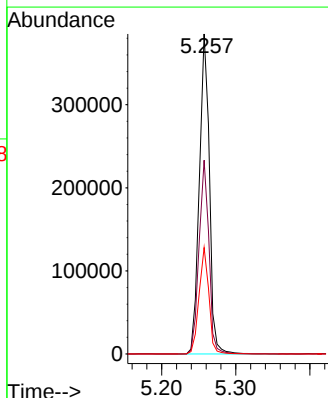
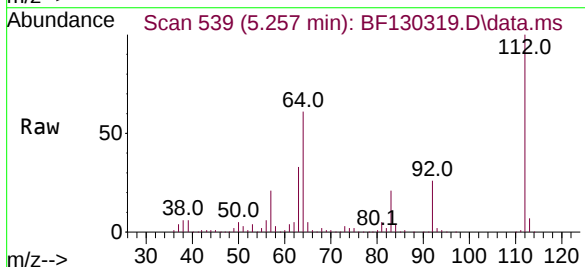
Instrument :  
BNA\_F  
ClientSampleId :  
HW-54

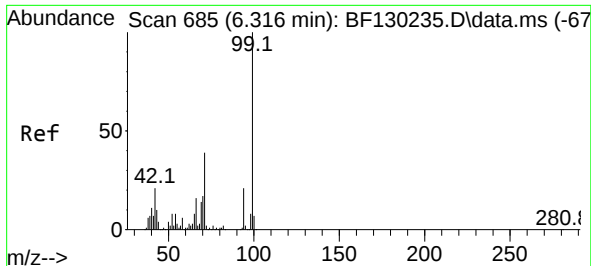
Tgt Ion:152 Resp: 89582  
Ion Ratio Lower Upper  
152 100  
150 156.2 122.8 184.2  
115 67.7 53.8 80.8



#5  
2-Fluorophenol  
Concen: 70.364 ng  
RT: 5.257 min Scan# 539  
Delta R.T. -0.000 min  
Lab File: BF130319.D  
Acq: 19 Sep 2022 14:11

Tgt Ion:112 Resp: 363419  
Ion Ratio Lower Upper  
112 100  
64 60.5 51.4 77.0  
63 33.3 28.8 43.2

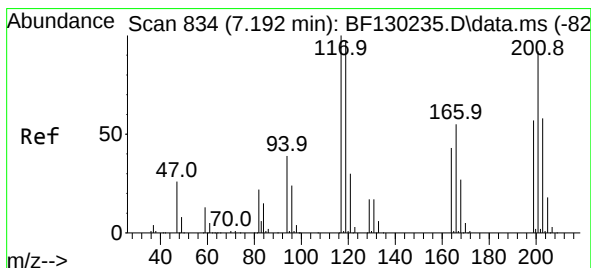
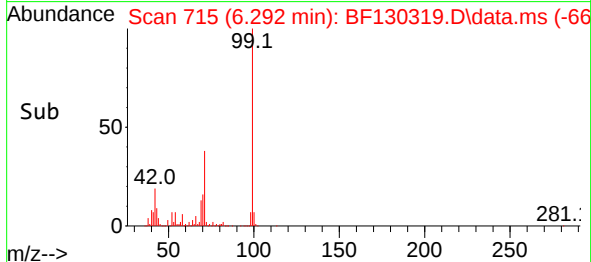
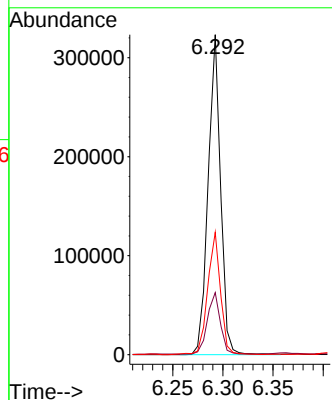
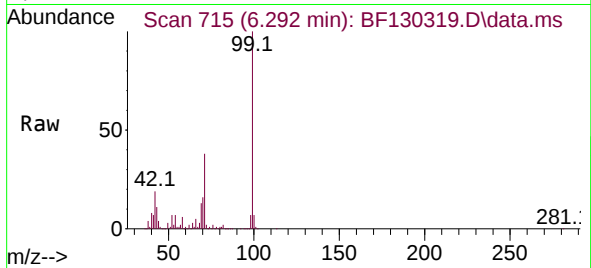




#7  
Phenol-d6  
Concen: 43.274 ng  
RT: 6.292 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF130319.D  
Acq: 19 Sep 2022 14:11

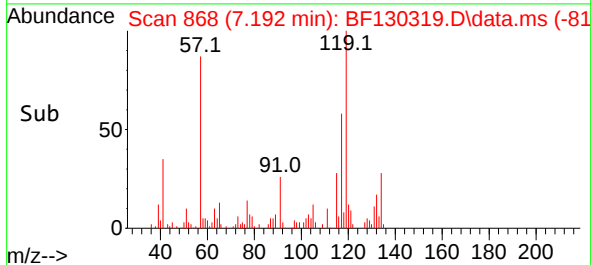
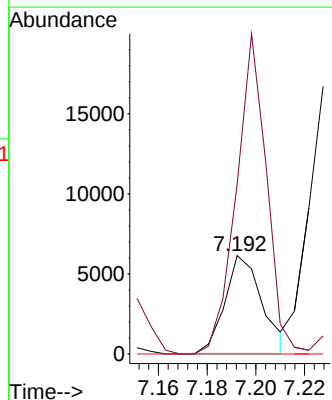
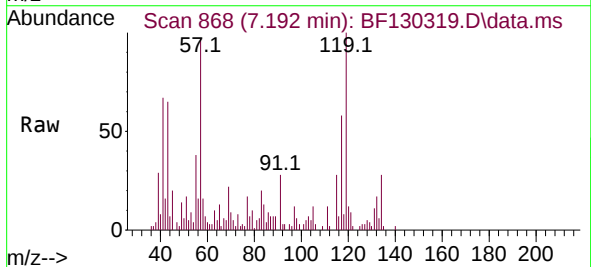
Instrument :  
BNA\_F  
ClientSampleId :  
HW-54

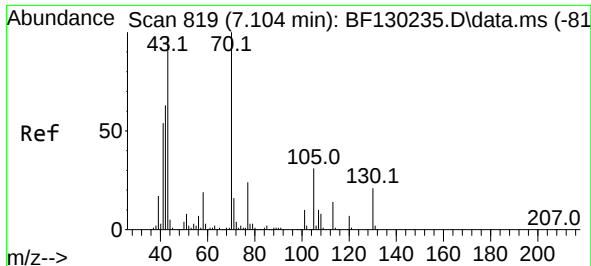
Tgt Ion: 99 Resp: 279652  
Ion Ratio Lower Upper  
99 100  
42 19.4 17.0 25.6  
71 38.2 32.3 48.5



#18  
Hexachloroethane  
Concen: 2.522 ng  
RT: 7.192 min Scan# 868  
Delta R.T. 0.018 min  
Lab File: BF130319.D  
Acq: 19 Sep 2022 14:11

Tgt Ion: 117 Resp: 6563  
Ion Ratio Lower Upper  
117 100  
119 172.3 77.8 116.6#  
201 0.0 68.7 103.1#

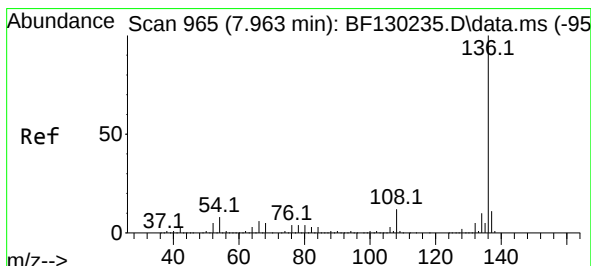
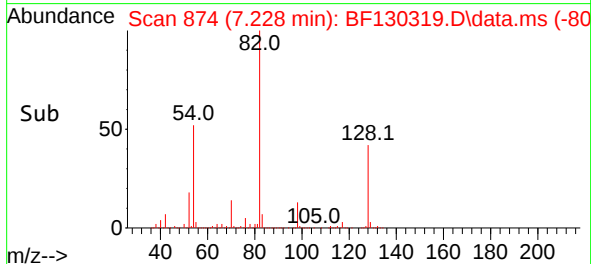
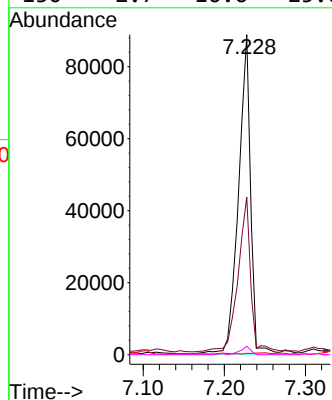
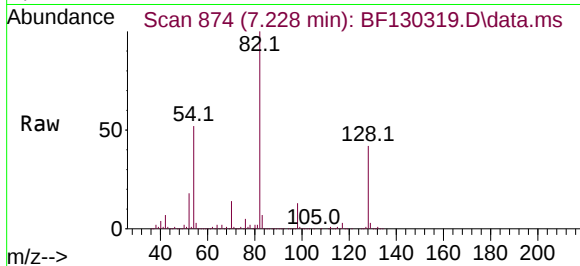




#19  
n-Nitroso-di-n-propylamine  
Concen: 20.912 ng  
RT: 7.228 min Scan# 819  
Delta R.T. 0.135 min  
Lab File: BF130319.D  
Acq: 19 Sep 2022 14:11

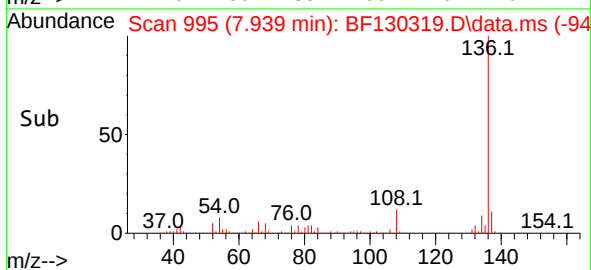
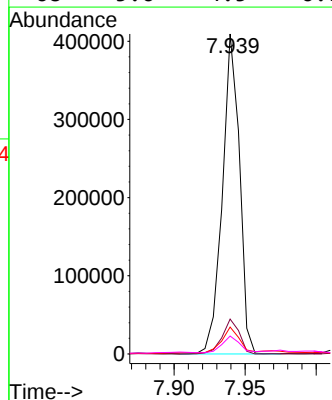
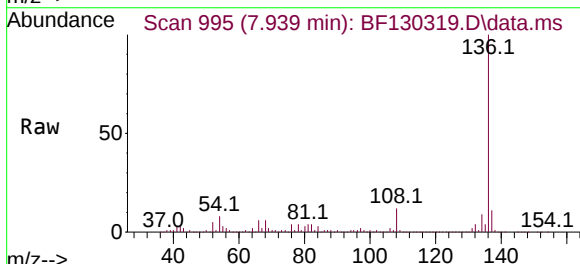
Instrument :  
BNA\_F  
ClientSampleId :  
HW-54

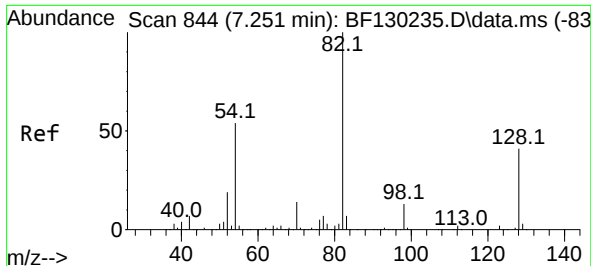
Tgt Ion: 70 Resp: 91191  
Ion Ratio Lower Upper  
70 100  
42 49.3 50.8 76.2#  
101 0.4 8.2 12.4#  
130 2.7 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.939 min Scan# 995  
Delta R.T. -0.006 min  
Lab File: BF130319.D  
Acq: 19 Sep 2022 14:11

Tgt Ion:136 Resp: 342190  
Ion Ratio Lower Upper  
136 100  
137 10.9 9.1 13.7  
54 8.4 7.1 10.7  
68 5.6 4.5 6.7





#23

Nitrobenzene-d5

Concen: 95.667 ng

RT: 7.228 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF130319.D

Acq: 19 Sep 2022 14:11

Instrument :

BNA\_F

ClientSampleId :

HW-54

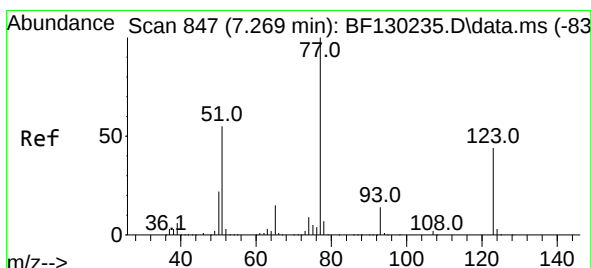
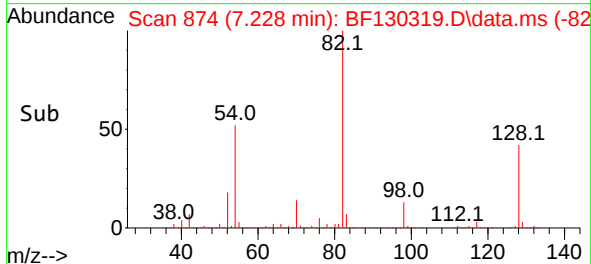
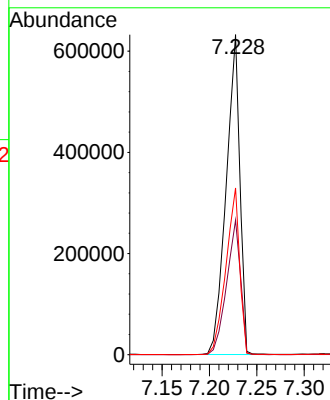
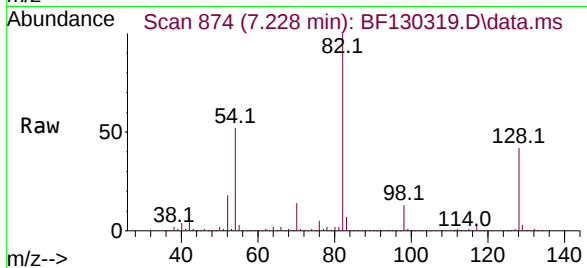
Tgt Ion: 82 Resp: 640774

Ion Ratio Lower Upper

82 100

128 42.1 32.6 49.0

54 52.1 43.8 65.6



#24

Nitrobenzene

Concen: 2.009 ng

RT: 7.210 min Scan# 871

Delta R.T. -0.041 min

Lab File: BF130319.D

Acq: 19 Sep 2022 14:11

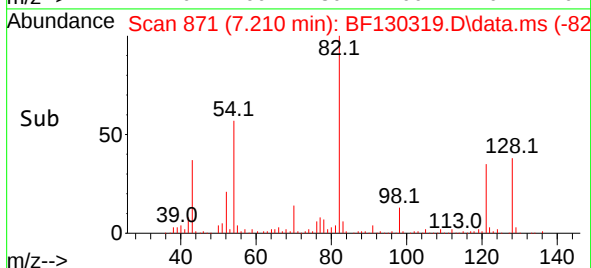
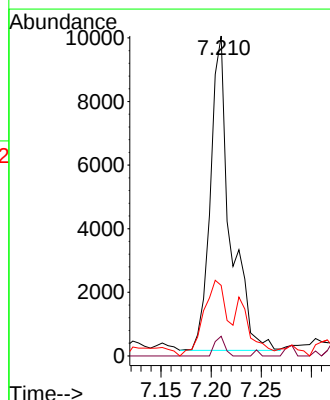
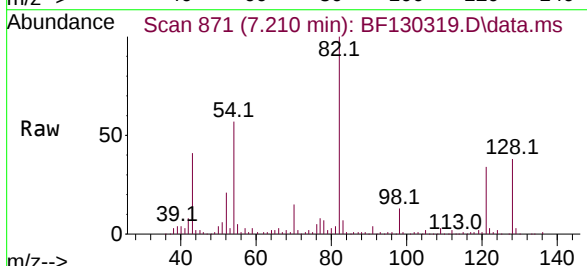
Tgt Ion: 77 Resp: 13662

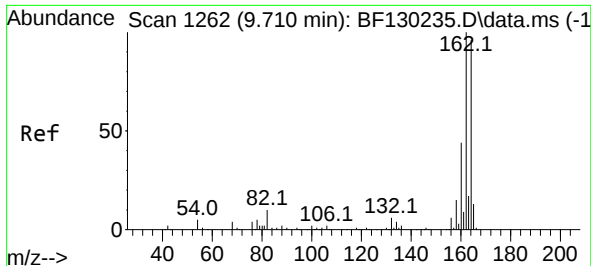
Ion Ratio Lower Upper

77 100

123 6.2 34.3 51.5#

65 22.0 12.0 18.0#

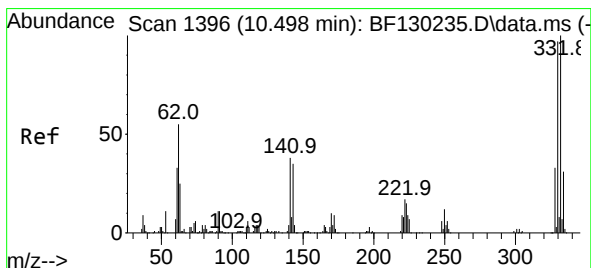
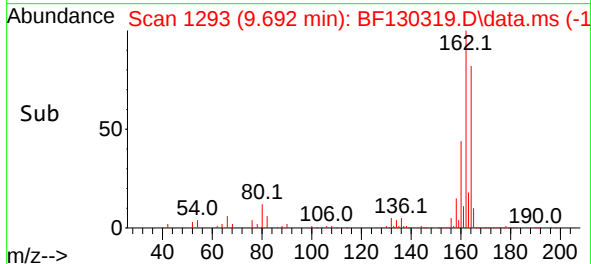
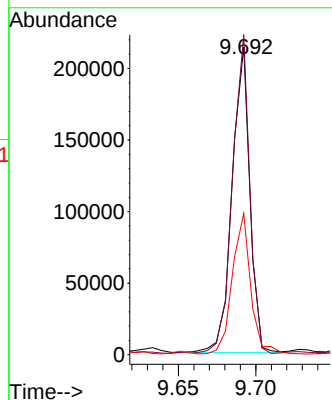
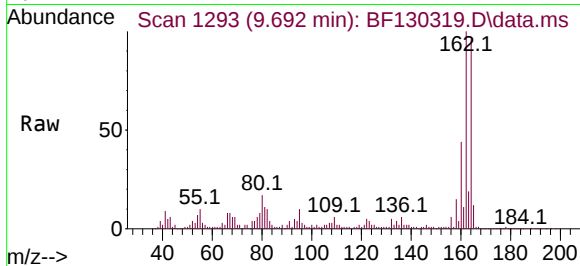




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.692 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF130319.D  
Acq: 19 Sep 2022 14:11

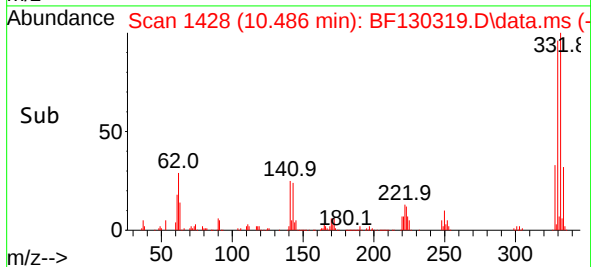
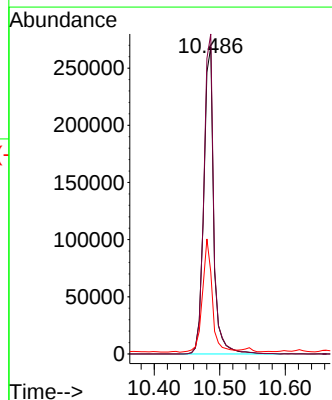
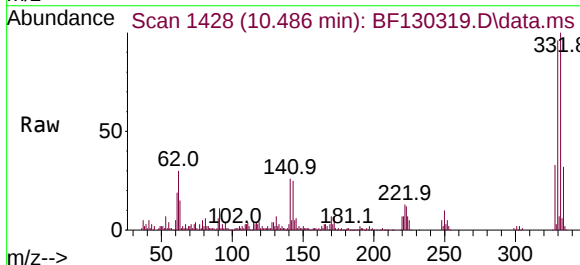
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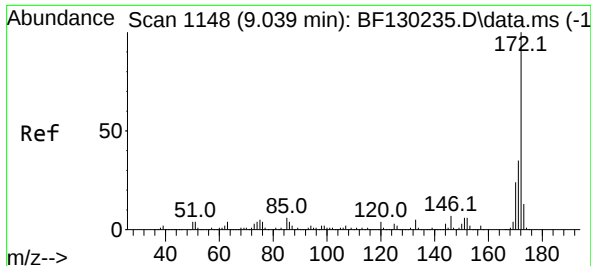
Tgt Ion:164 Resp: 169737  
Ion Ratio Lower Upper  
164 100  
162 104.1 81.4 122.0  
160 45.9 36.2 54.4



#42  
2,4,6-Tribromophenol  
Concen: 174.113 ng  
RT: 10.486 min Scan# 1428  
Delta R.T. 0.006 min  
Lab File: BF130319.D  
Acq: 19 Sep 2022 14:11

Tgt Ion:330 Resp: 283178  
Ion Ratio Lower Upper  
330 100  
332 103.6 83.4 125.2  
141 36.3 34.0 51.0

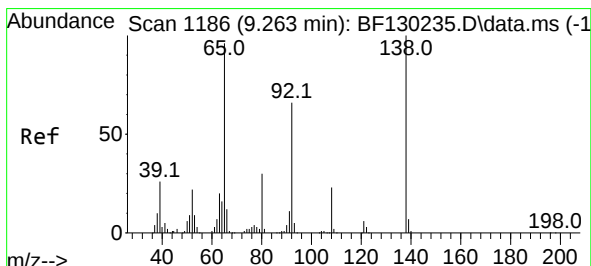
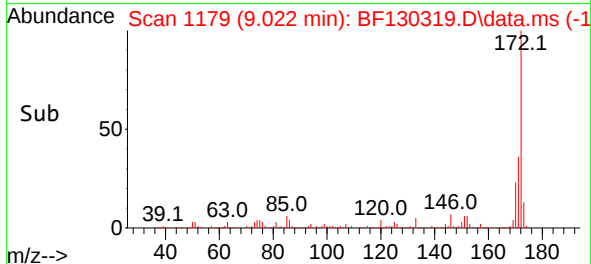
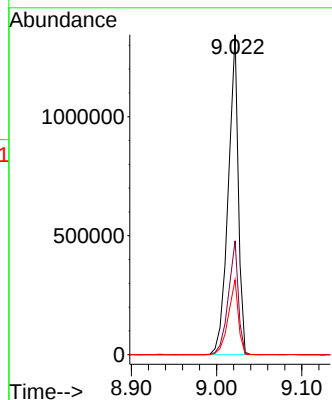
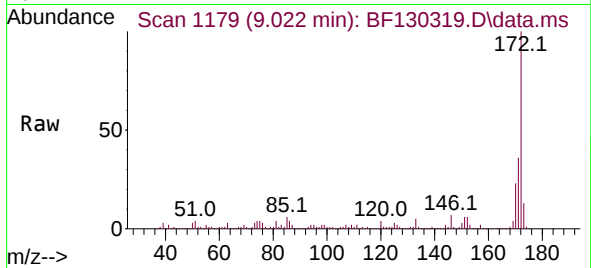




#45  
2-Fluorobiphenyl  
Concen: 95.077 ng  
RT: 9.022 min Scan# 1148  
Delta R.T. -0.000 min  
Lab File: BF130319.D  
Acq: 19 Sep 2022 14:11

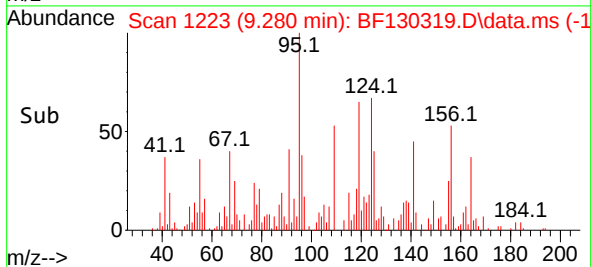
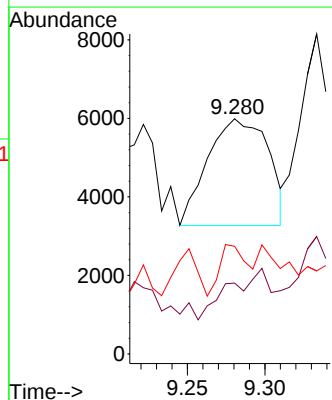
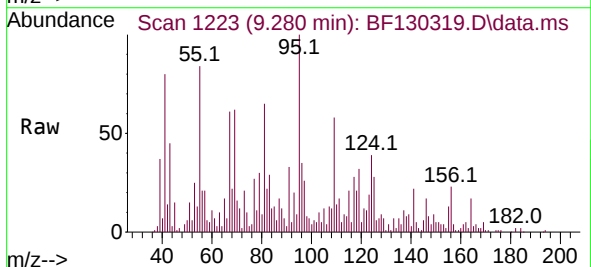
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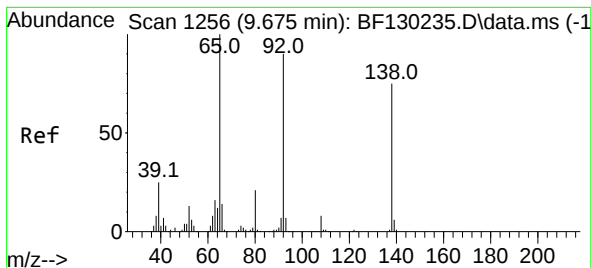
Tgt Ion:172 Resp: 1108239  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.3 42.5  
170 23.4 18.7 28.1



#48  
2-Nitroaniline  
Concen: 2.153 ng  
RT: 9.280 min Scan# 1223  
Delta R.T. 0.035 min  
Lab File: BF130319.D  
Acq: 19 Sep 2022 14:11

Tgt Ion: 65 Resp: 7363  
Ion Ratio Lower Upper  
65 100  
92 30.2 52.2 78.4#  
138 45.8 77.0 115.4#





#53

3-Nitroaniline

Concen: 6.270 ng

RT: 9.663 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF130319.D

Acq: 19 Sep 2022 14:11

Instrument :

BNA\_F

ClientSampleId :

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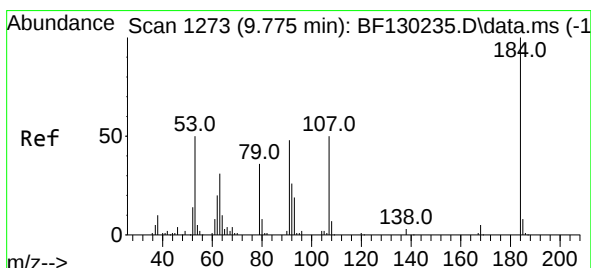
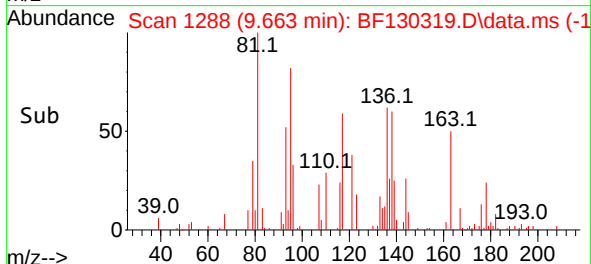
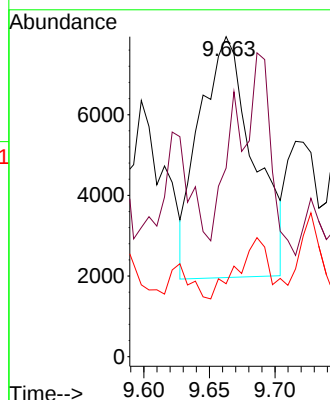
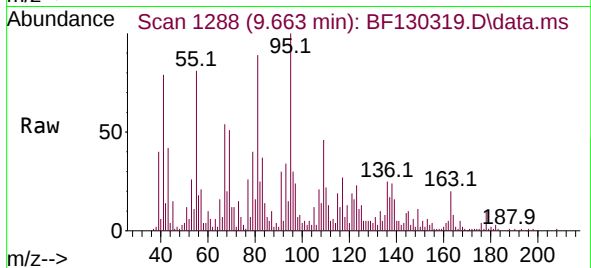
Tgt Ion:138 Resp: 17132

Ion Ratio Lower Upper

138 100

108 59.0 9.2 13.8#

92 22.8 99.2 148.8#



#54

2,4-Dinitrophenol

Concen: 6.608 ng

RT: 9.769 min Scan# 1306

Delta R.T. 0.012 min

Lab File: BF130319.D

Acq: 19 Sep 2022 14:11

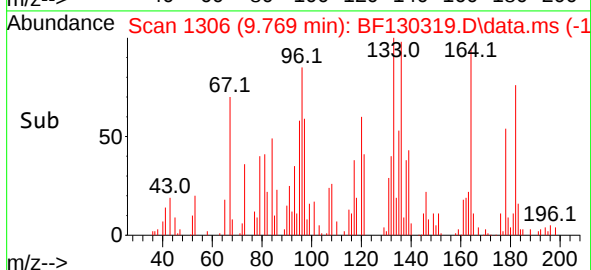
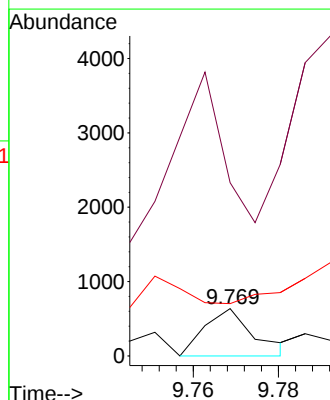
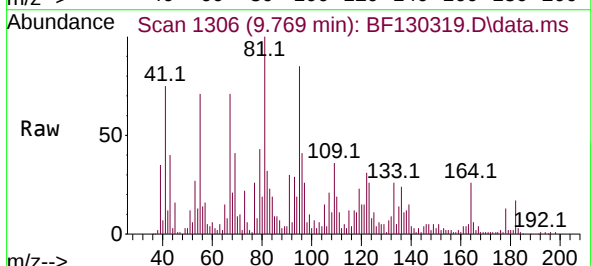
Tgt Ion:184 Resp: 510

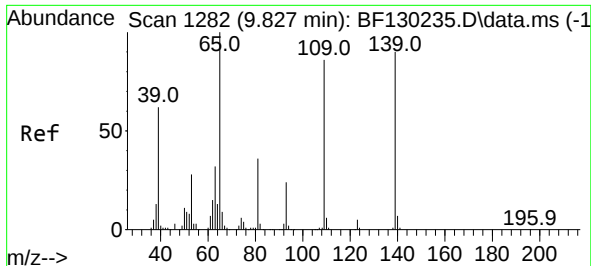
Ion Ratio Lower Upper

184 100

63 366.5 70.0 105.0#

154 110.7 63.0 94.6#

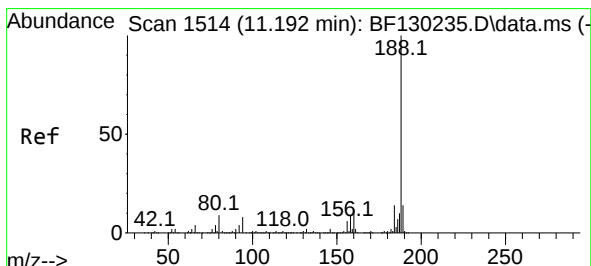
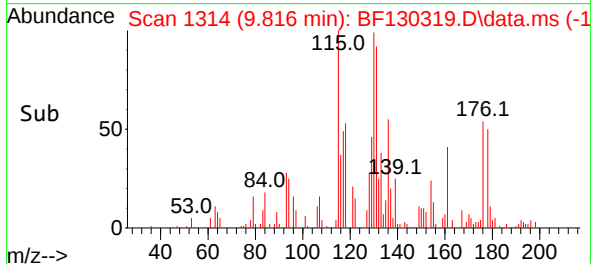
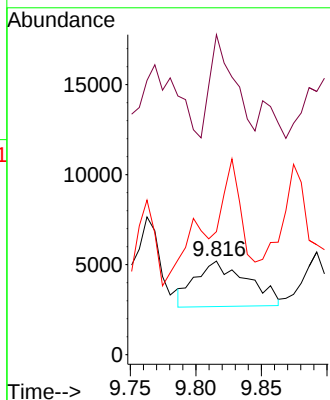
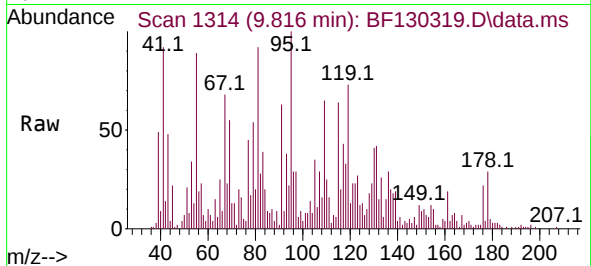




#56  
4-Nitrophenol  
Concen: 3.491 ng  
RT: 9.816 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF130319.D  
Acq: 19 Sep 2022 14:11

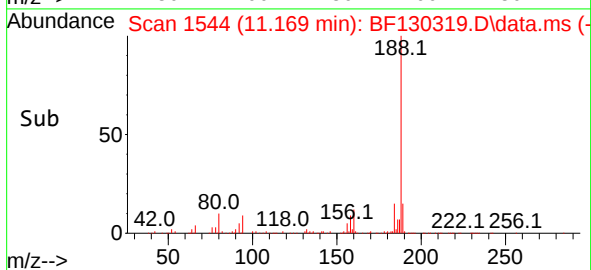
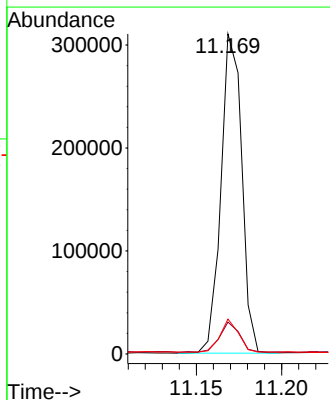
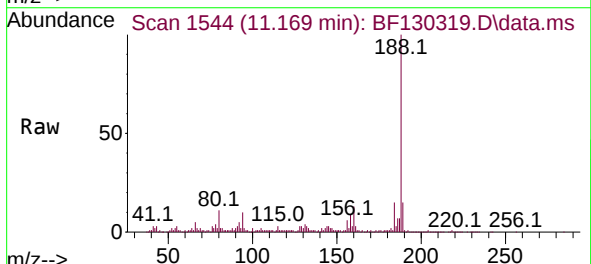
Instrument :  
BNA\_F  
ClientSampleId :  
HW-54

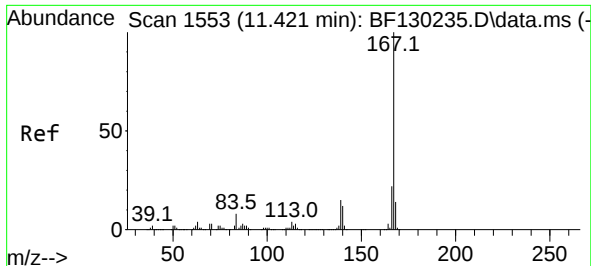
Tgt Ion:139 Resp: 6948  
Ion Ratio Lower Upper  
139 100  
109 342.0 72.2 112.2#  
65 131.4 97.7 137.7



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.169 min Scan# 1544  
Delta R.T. -0.006 min  
Lab File: BF130319.D  
Acq: 19 Sep 2022 14:11

Tgt Ion:188 Resp: 262783  
Ion Ratio Lower Upper  
188 100  
94 10.0 7.4 11.2  
80 10.9 7.9 11.9

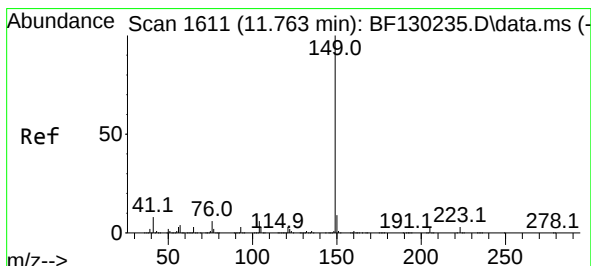
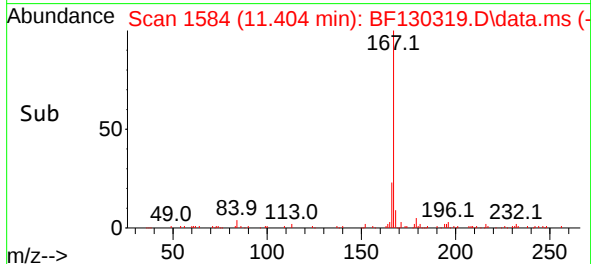
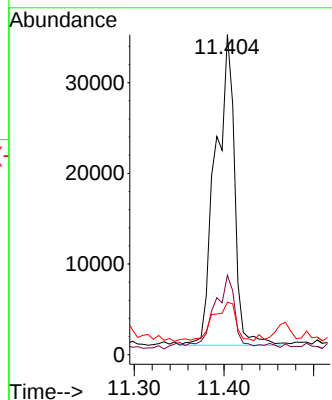
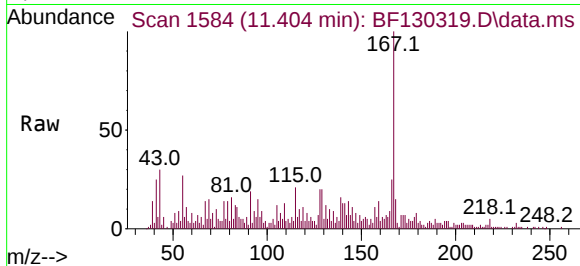




#73  
 Carbazole  
 Concen: 3.944 ng  
 RT: 11.404 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: BF130319.D  
 Acq: 19 Sep 2022 14:11

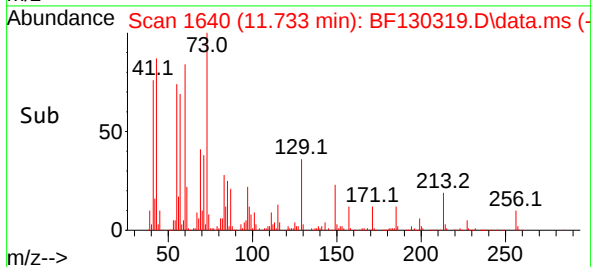
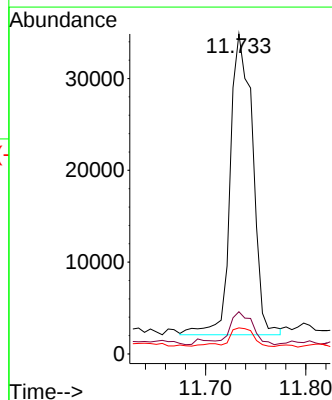
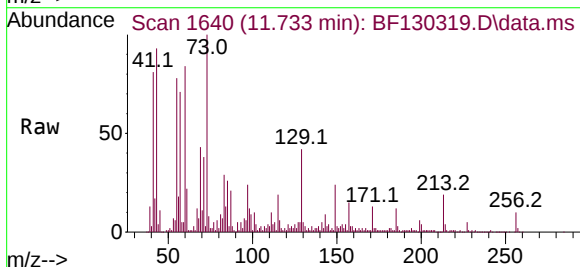
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HW-54

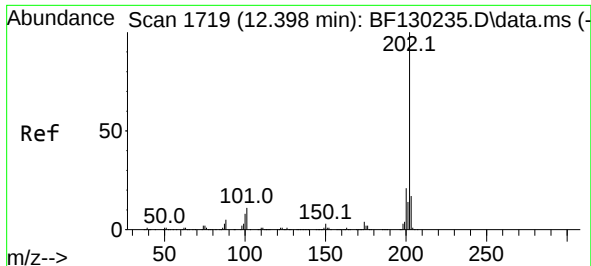
Tgt Ion:167 Resp: 50676  
 Ion Ratio Lower Upper  
 167 100  
 166 24.8 17.4 26.2  
 139 16.4 11.6 17.4



#74  
 Di-n-butylphthalate  
 Concen: 3.290 ng  
 RT: 11.733 min Scan# 1640  
 Delta R.T. -0.012 min  
 Lab File: BF130319.D  
 Acq: 19 Sep 2022 14:11

Tgt Ion:149 Resp: 50985  
 Ion Ratio Lower Upper  
 149 100  
 150 13.2 7.4 11.2#  
 104 8.2 4.8 7.2#

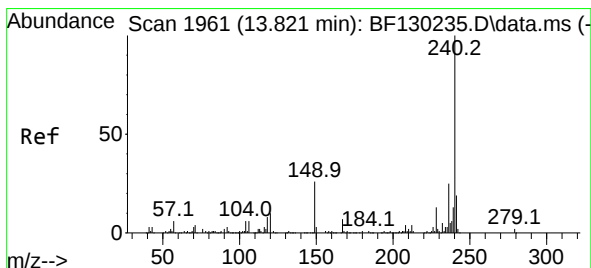
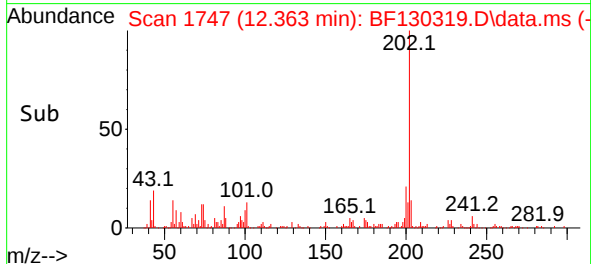
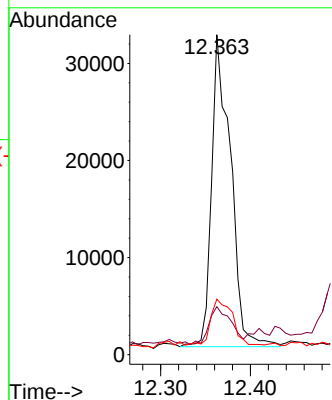
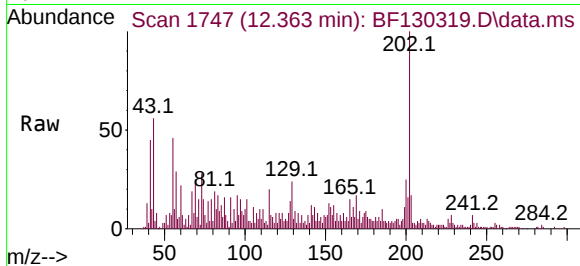




#75  
Fluoranthene  
Concen: 3.317 ng  
RT: 12.363 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: BF130319.D  
Acq: 19 Sep 2022 14:11

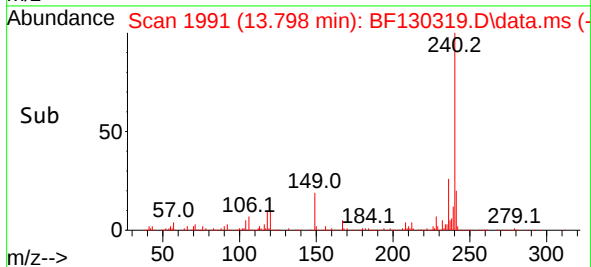
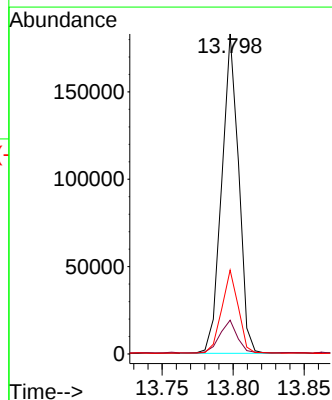
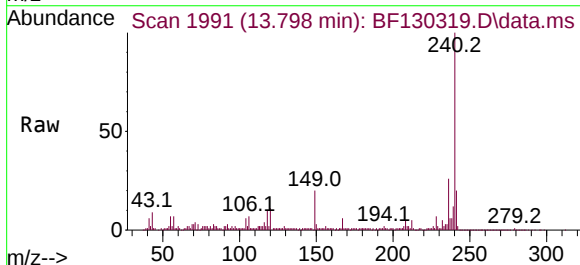
Instrument :  
BNA\_F  
ClientSampleId :  
HW-54

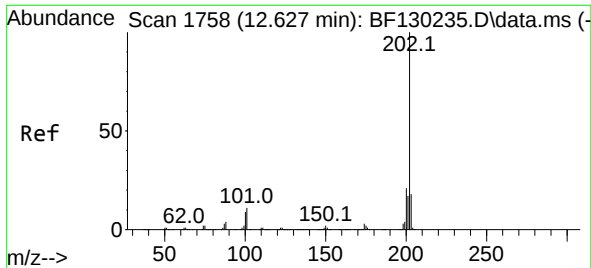
Tgt Ion:202 Resp: 47292  
Ion Ratio Lower Upper  
202 100  
101 15.0 0.0 31.8  
203 17.4 0.0 37.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.798 min Scan# 1991  
Delta R.T. -0.006 min  
Lab File: BF130319.D  
Acq: 19 Sep 2022 14:11

Tgt Ion:240 Resp: 151014  
Ion Ratio Lower Upper  
240 100  
120 10.6 8.7 13.1  
236 26.2 20.9 31.3

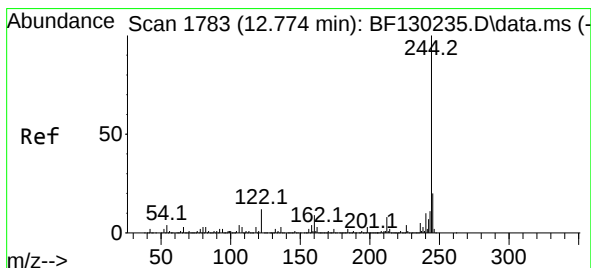
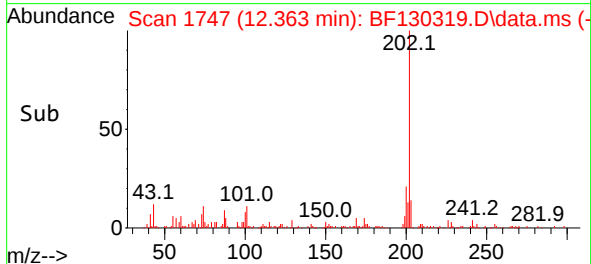
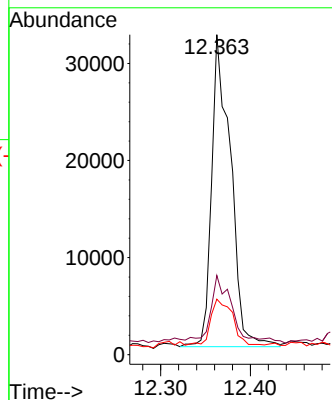
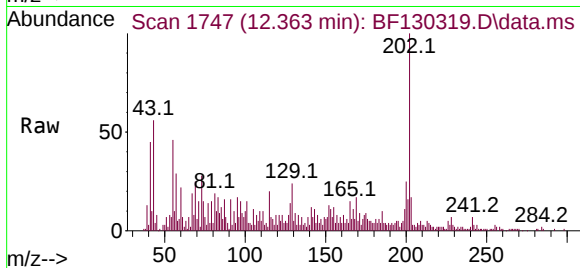




#78  
Pyrene  
Concen: 3.580 ng  
RT: 12.363 min Scan# 1114  
Delta R.T. -0.247 min  
Lab File: BF130319.D  
Acq: 19 Sep 2022 14:11

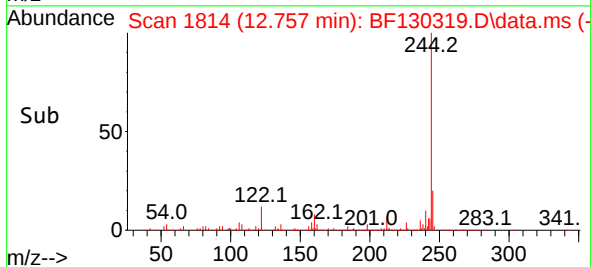
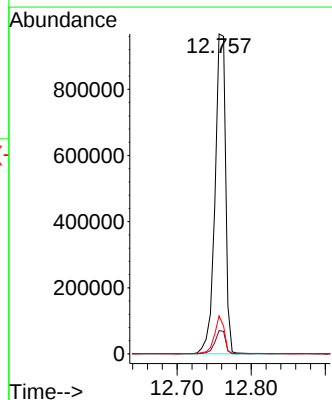
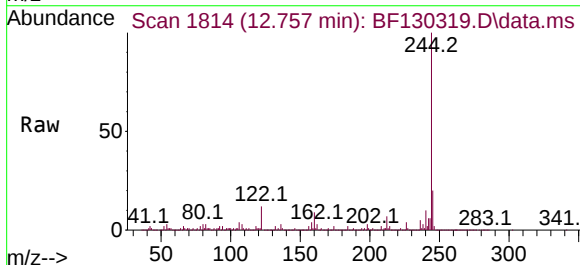
Instrument :  
BNA\_F  
ClientSampleId :  
HW-54

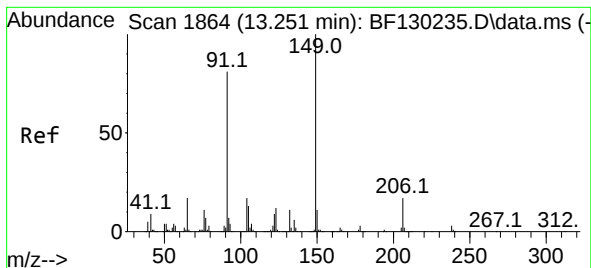
Tgt Ion:202 Resp: 47292  
Ion Ratio Lower Upper  
202 100  
200 24.7 17.2 25.8  
203 17.4 14.3 21.5



#79  
Terphenyl-d14  
Concen: 105.272 ng  
RT: 12.757 min Scan# 1814  
Delta R.T. -0.000 min  
Lab File: BF130319.D  
Acq: 19 Sep 2022 14:11

Tgt Ion:244 Resp: 959709  
Ion Ratio Lower Upper  
244 100  
212 7.3 5.9 8.9  
122 11.9 8.5 12.7





#80

Butylbenzylphthalate

Concen: 5.743 ng

RT: 13.233 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF130319.D

Acq: 19 Sep 2022 14:11

Instrument :

BNA\_F

ClientSampleId :

HW-54

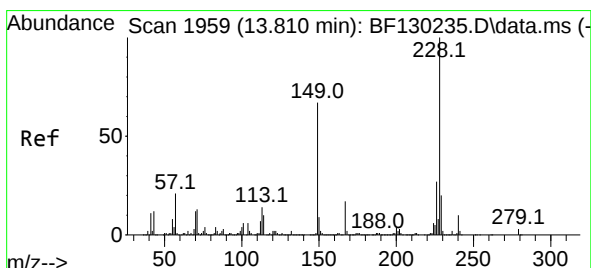
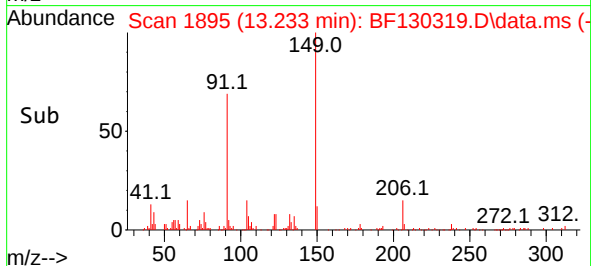
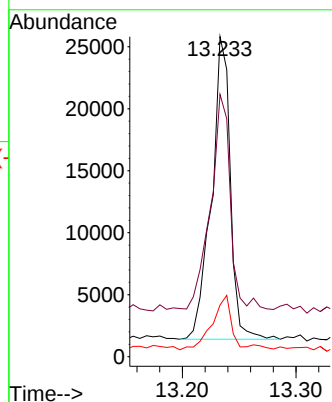
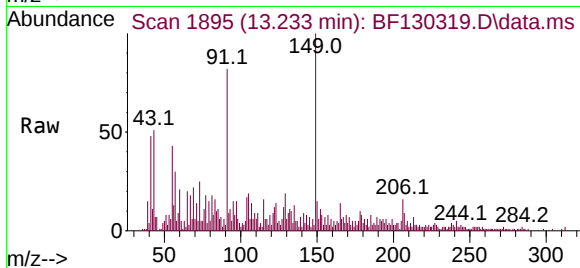
Tgt Ion:149 Resp: 28108

Ion Ratio Lower Upper

149 100

91 82.0 59.8 89.8

206 16.1 13.9 20.9



#81

Benzo(a)anthracene

Concen: 5.006 ng

RT: 13.786 min Scan# 1989

Delta R.T. -0.006 min

Lab File: BF130319.D

Acq: 19 Sep 2022 14:11

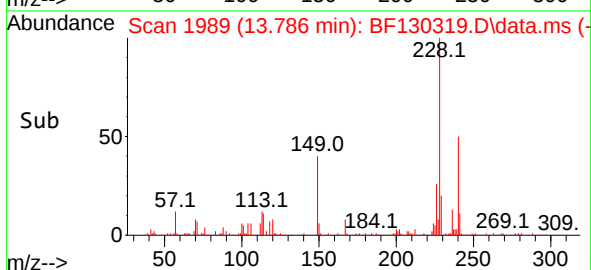
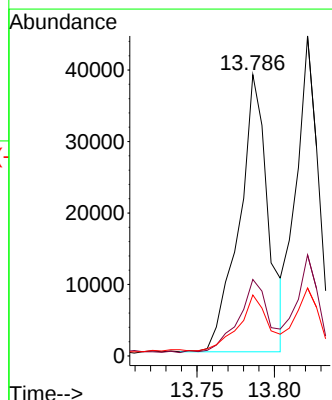
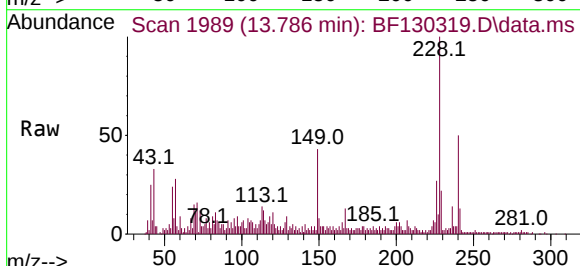
Tgt Ion:228 Resp: 50293

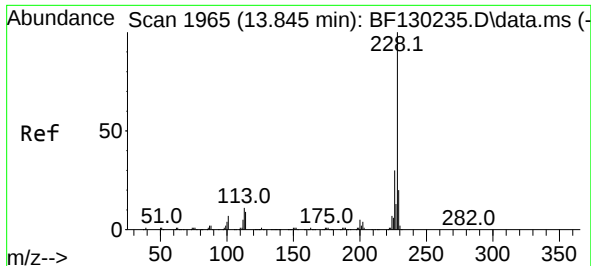
Ion Ratio Lower Upper

228 100

226 27.2 21.9 32.9

229 21.7 16.1 24.1

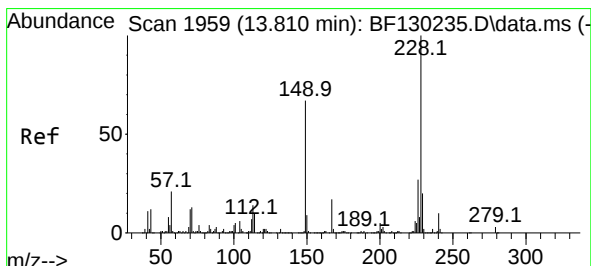
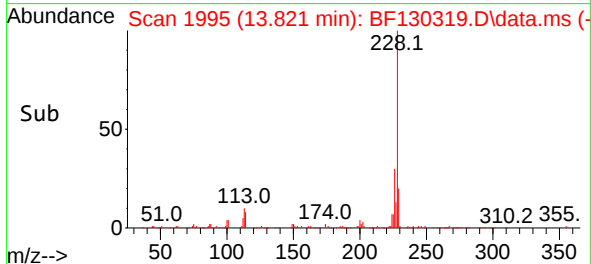
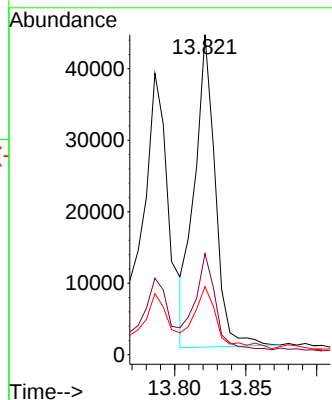
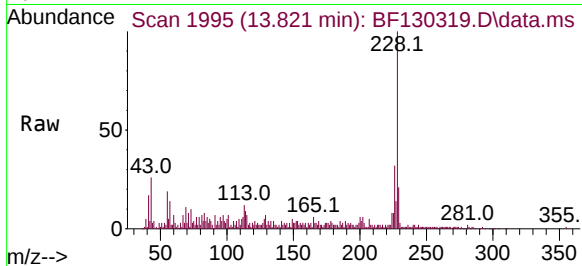




#83  
Chrysene  
Concen: 4.657 ng  
RT: 13.821 min Scan# 1995  
Delta R.T. -0.006 min  
Lab File: BF130319.D  
Acq: 19 Sep 2022 14:11

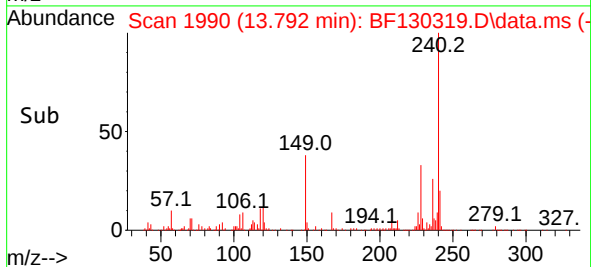
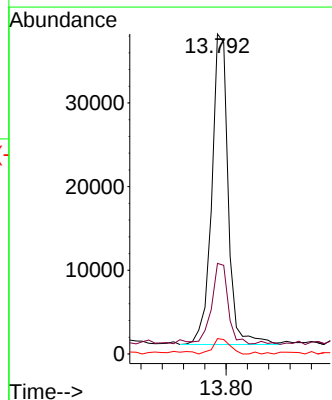
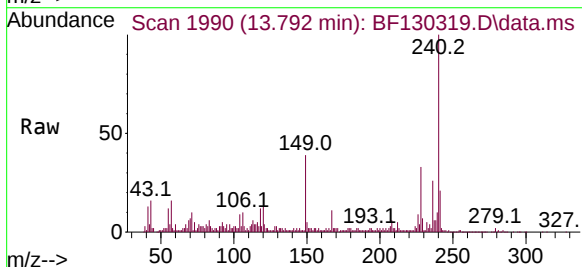
Instrument :  
BNA\_F  
ClientSampleId :  
HW-54

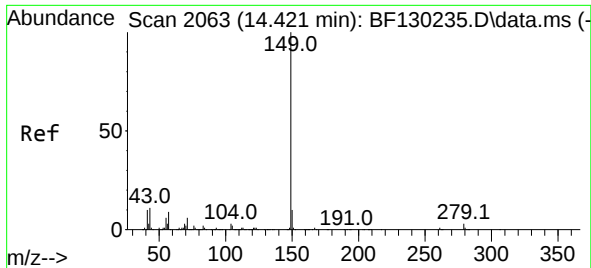
Tgt Ion:228 Resp: 44420  
Ion Ratio Lower Upper  
228 100  
226 31.6 23.8 35.8  
229 21.3 15.3 22.9



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 7.100 ng  
RT: 13.792 min Scan# 1990  
Delta R.T. -0.000 min  
Lab File: BF130319.D  
Acq: 19 Sep 2022 14:11

Tgt Ion:149 Resp: 39803  
Ion Ratio Lower Upper  
149 100  
167 28.3 20.5 30.7  
279 4.8 2.9 4.3#

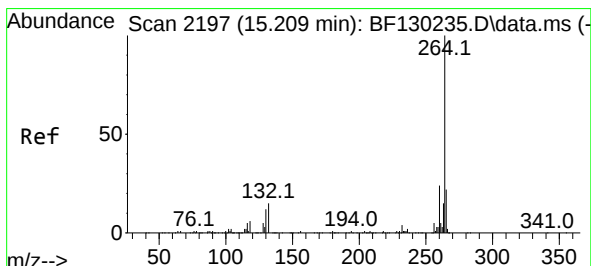
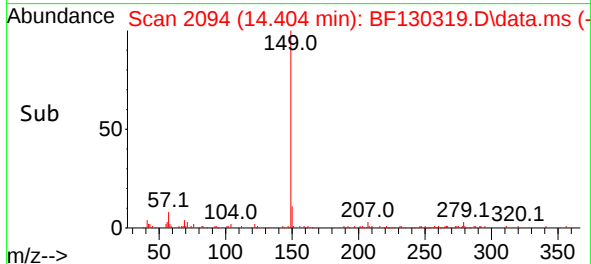
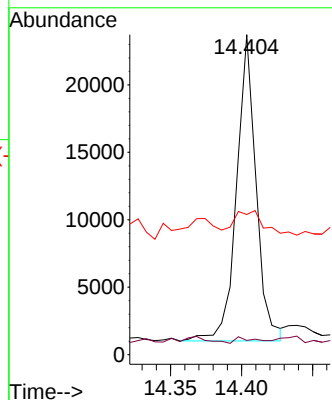
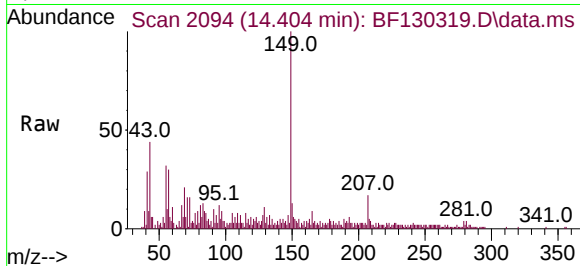




#85  
Di-n-octyl phthalate  
Concen: 2.538 ng  
RT: 14.404 min Scan# 2063  
Delta R.T. -0.000 min  
Lab File: BF130319.D  
Acq: 19 Sep 2022 14:11

Instrument :  
BNA\_F  
ClientSampleId :  
HW-54

Tgt Ion:149 Resp: 21758  
Ion Ratio Lower Upper  
149 100  
167 2.5 1.2 1.8#  
43 11.6 8.7 13.1



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.186 min Scan# 2227  
Delta R.T. -0.000 min  
Lab File: BF130319.D  
Acq: 19 Sep 2022 14:11

Tgt Ion:264 Resp: 180857  
Ion Ratio Lower Upper  
264 100  
260 23.8 19.3 28.9  
265 21.5 17.0 25.4

