

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052822\  
 Data File : BF128558.D  
 Acq On : 28 May 2022 20:08  
 Operator : CG\JU  
 Sample : N2931-14  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P016-SS001-0006-01

Quant Time: May 28 22:43:44 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 27 01:51:59 2022  
 Response via : Initial Calibration

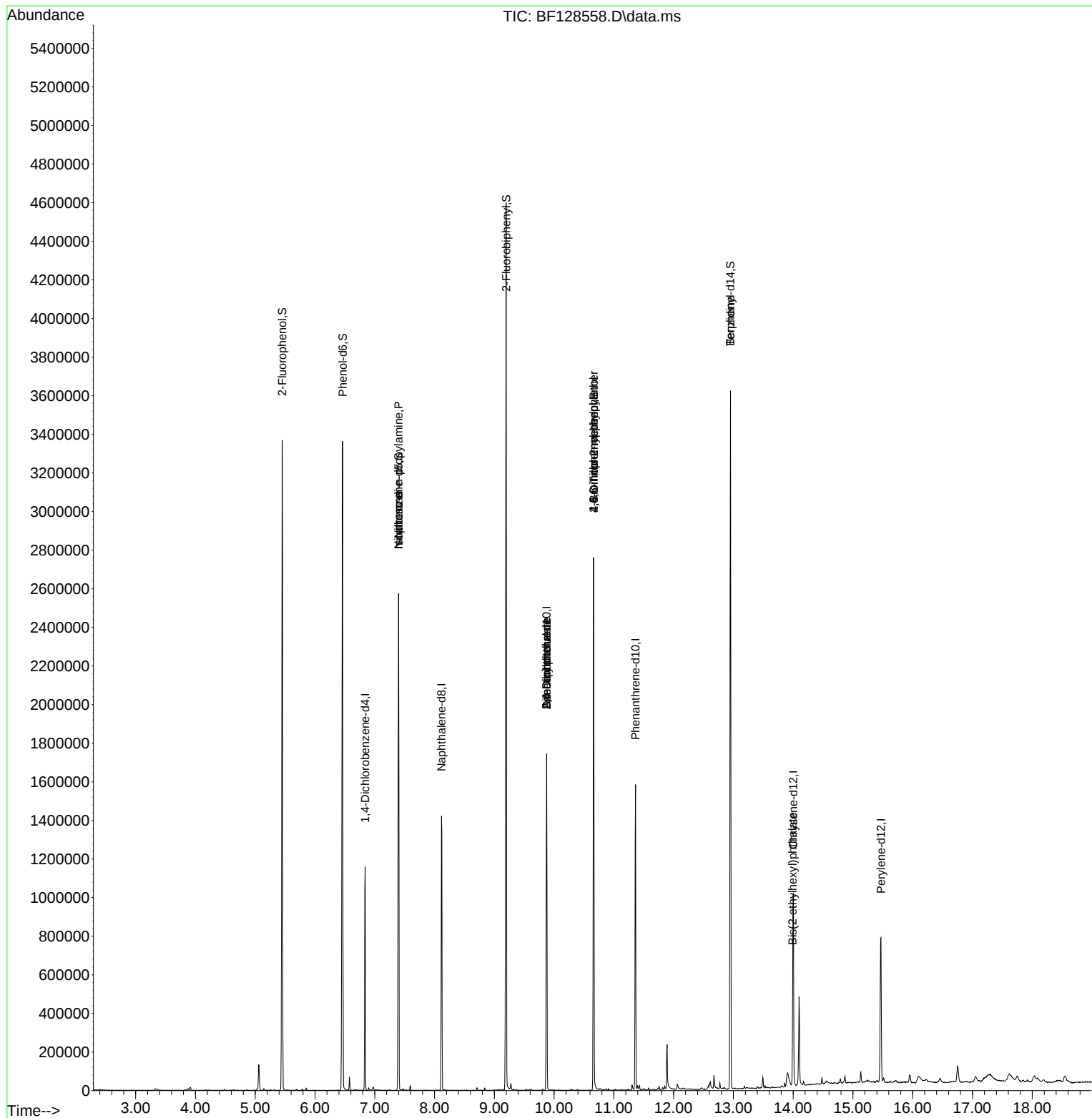
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min)  |
|-------------------------------|--------|------|----------|-----------|-------|-----------|
| -----                         |        |      |          |           |       |           |
| Internal Standards            |        |      |          |           |       |           |
| 1) 1,4-Dichlorobenzene-d4     | 6.840  | 152  | 163962   | 20.000    | ng    | 0.00      |
| 21) Naphthalene-d8            | 8.116  | 136  | 621197   | 20.000    | ng    | -0.01     |
| 39) Acenaphthene-d10          | 9.875  | 164  | 332093   | 20.000    | ng    | 0.00      |
| 64) Phenanthrene-d10          | 11.363 | 188  | 560724   | 20.000    | ng    | 0.00      |
| 76) Chrysene-d12              | 14.004 | 240  | 358785   | 20.000    | ng    | 0.00      |
| 86) Perylene-d12              | 15.468 | 264  | 356669   | 20.000    | ng    | 0.00      |
| System Monitoring Compounds   |        |      |          |           |       |           |
| 5) 2-Fluorophenol             | 5.451  | 112  | 922741   | 93.219    | ng    | 0.00      |
| 7) Phenol-d6                  | 6.463  | 99   | 1149928  | 91.112    | ng    | 0.00      |
| 23) Nitrobenzene-d5           | 7.398  | 82   | 789482   | 73.316    | ng    | -0.01     |
| 42) 2,4,6-Tribromophenol      | 10.663 | 330  | 302450   | 95.683    | ng    | -0.01     |
| 45) 2-Fluorobiphenyl          | 9.198  | 172  | 1370894  | 67.066    | ng    | 0.00      |
| 79) Terphenyl-d14             | 12.951 | 244  | 1184844  | 63.801    | ng    | 0.00      |
| Target Compounds              |        |      |          |           |       |           |
| 9) Benzaldehyde               | 6.387  | 77   | 457      | Below Cal |       | Qvalue 89 |
| 19) n-Nitroso-di-n-propyla... | 7.398  | 70   | 109084   | 14.096    | ng    | # 77      |
| 25) Isophorone                | 7.398  | 82   | 788121   | 39.675    | ng    | # 65      |
| 50) Dimethylphthalate         | 9.875  | 163  | 58536    | 2.717     | ng    | # 1       |
| 51) 2,6-Dinitrotoluene        | 9.875  | 165  | 41450    | 10.499    | ng    | # 26      |
| 57) 2,4-Dinitrotoluene        | 9.875  | 165  | 41450    | 8.776     | ng    | # 22      |
| 65) 4,6-Dinitro-2-methylph... | 10.663 | 198  | 794      | 5.773     | ng    | # 1       |
| 67) 4-Bromophenyl-phenylether | 10.663 | 248  | 19590    | 3.381     | ng    | # 1       |
| 77) Benzidine                 | 12.951 | 184  | 16875    | 2.039     | ng    | # 91      |
| 84) Bis(2-ethylhexyl)phtha... | 13.992 | 149  | 38761    | 2.811     | ng    | 96        |
| -----                         |        |      |          |           |       |           |

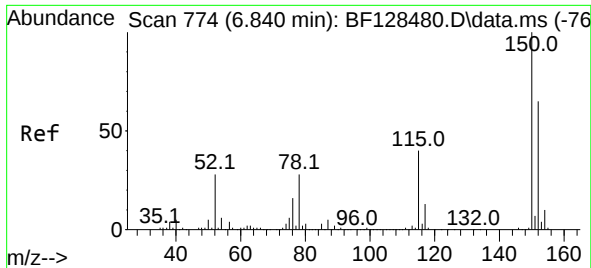
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052822\  
Data File : BF128558.D  
Acq On : 28 May 2022 20:08  
Operator : CG\JU  
Sample : N2931-14  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
P016-SS001-0006-01

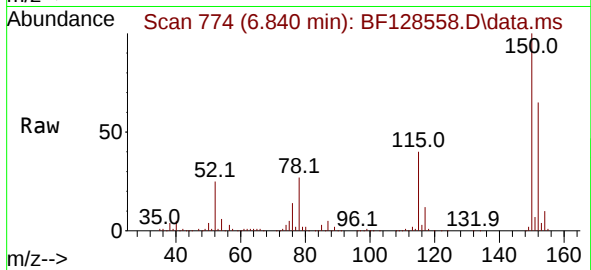
Quant Time: May 28 22:43:44 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri May 27 01:51:59 2022  
Response via : Initial Calibration



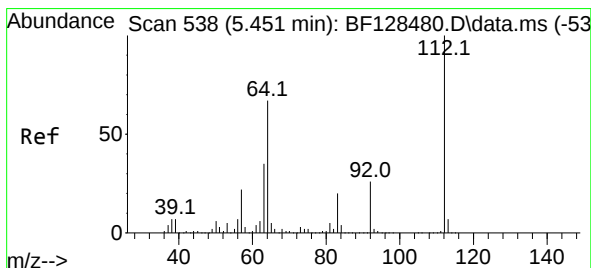
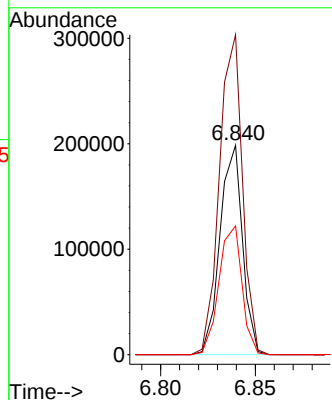
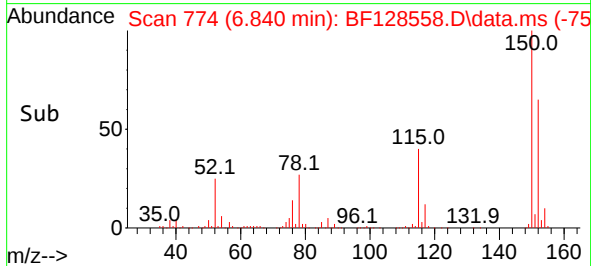


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.840 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF128558.D  
Acq: 28 May 2022 20:08

Instrument :  
BNA\_F  
ClientSampleId :  
P016-SS001-0006-01

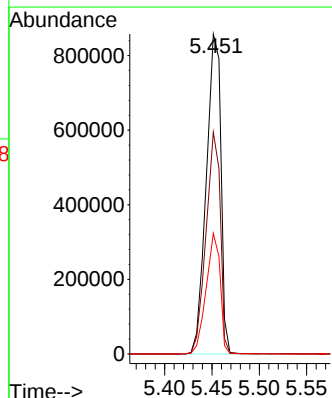
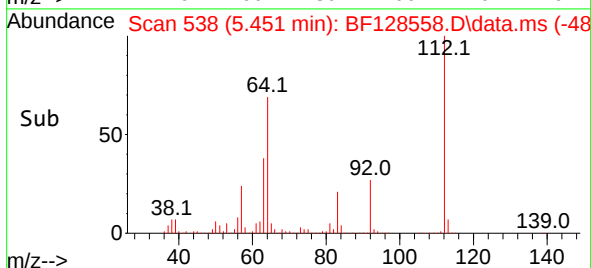
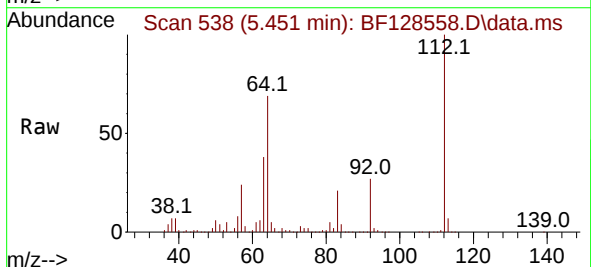


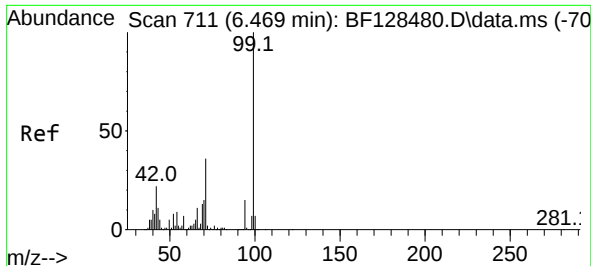
Tgt Ion:152 Resp: 163962  
Ion Ratio Lower Upper  
152 100  
150 152.8 123.7 185.5  
115 61.5 49.9 74.9



#5  
2-Fluorophenol  
Concen: 93.219 ng  
RT: 5.451 min Scan# 538  
Delta R.T. 0.000 min  
Lab File: BF128558.D  
Acq: 28 May 2022 20:08

Tgt Ion:112 Resp: 922741  
Ion Ratio Lower Upper  
112 100  
64 69.3 53.3 79.9  
63 37.7 28.0 42.0

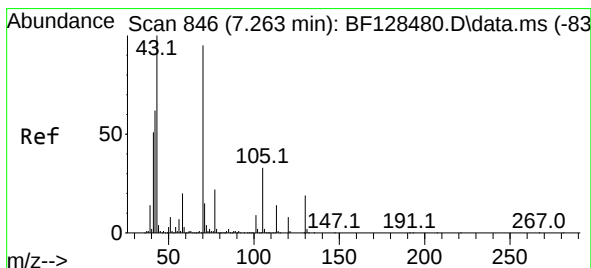
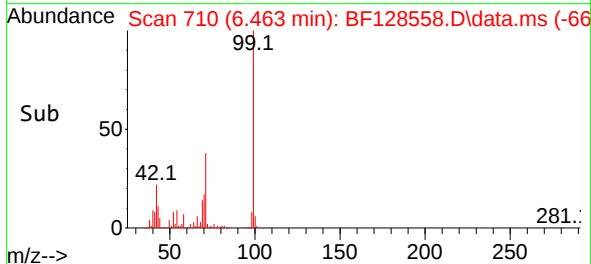
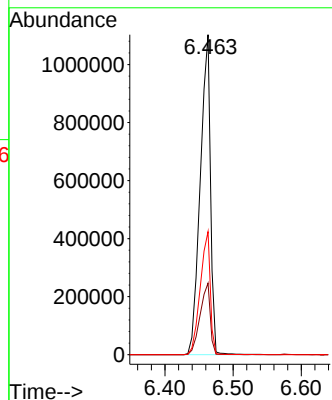
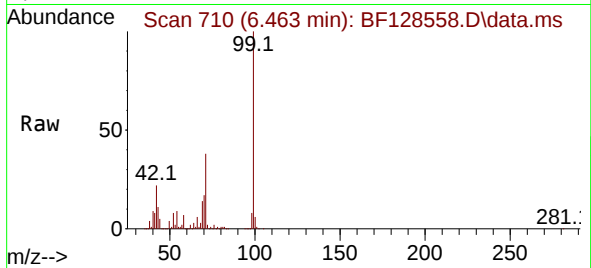




#7  
Phenol-d6  
Concen: 91.112 ng  
RT: 6.463 min Scan# 711  
Delta R.T. -0.006 min  
Lab File: BF128558.D  
Acq: 28 May 2022 20:08

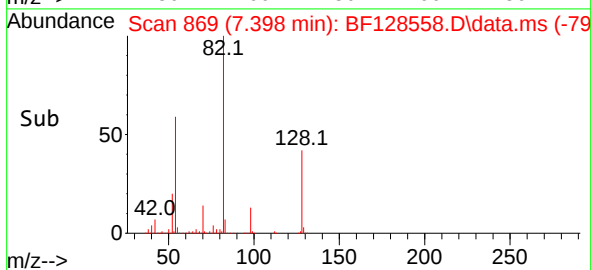
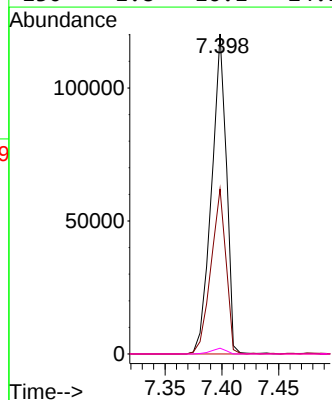
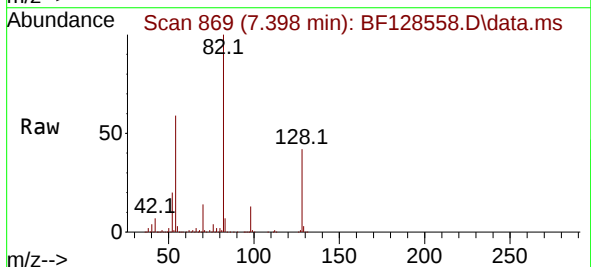
Instrument :  
BNA\_F  
ClientSampleId :  
P016-SS001-0006-01

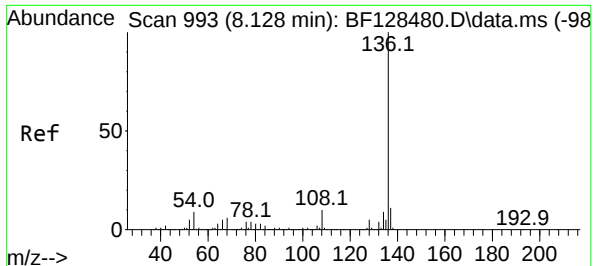
Tgt Ion: 99 Resp: 1149928  
Ion Ratio Lower Upper  
99 100  
42 22.4 17.3 25.9  
71 38.5 28.9 43.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.096 ng  
RT: 7.398 min Scan# 869  
Delta R.T. 0.135 min  
Lab File: BF128558.D  
Acq: 28 May 2022 20:08

Tgt Ion: 70 Resp: 109084  
Ion Ratio Lower Upper  
70 100  
42 51.6 52.3 78.5#  
101 0.0 7.5 11.3#  
130 1.8 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF128558.D

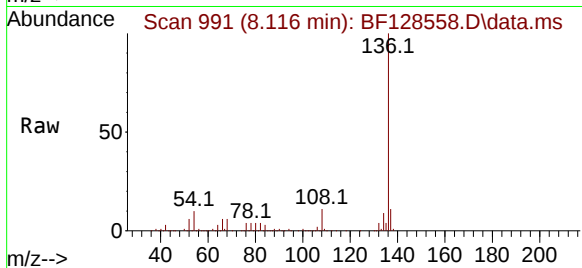
Acq: 28 May 2022 20:08

Instrument :

BNA\_F

ClientSampleId :

P016-SS001-0006-01



Tgt Ion:136 Resp: 621197

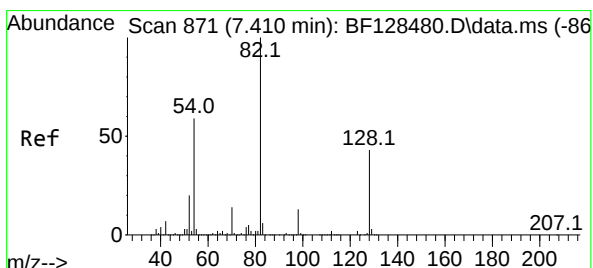
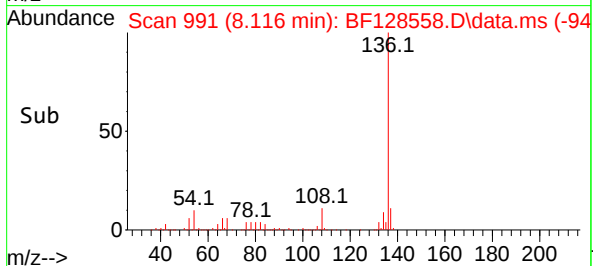
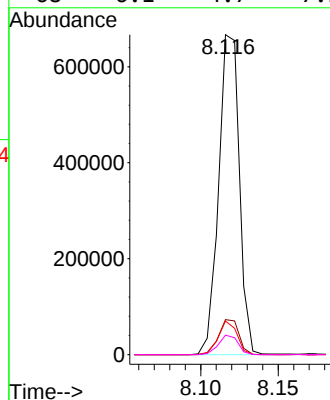
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 10.5 7.5 11.3

68 6.1 4.7 7.1



#23

Nitrobenzene-d5

Concen: 73.316 ng

RT: 7.398 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF128558.D

Acq: 28 May 2022 20:08

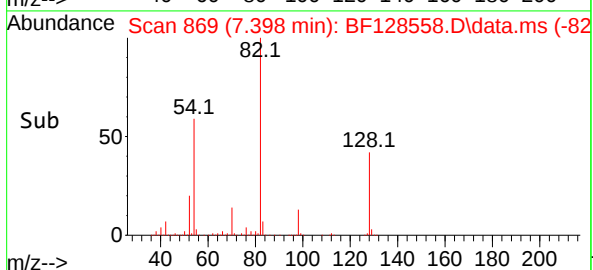
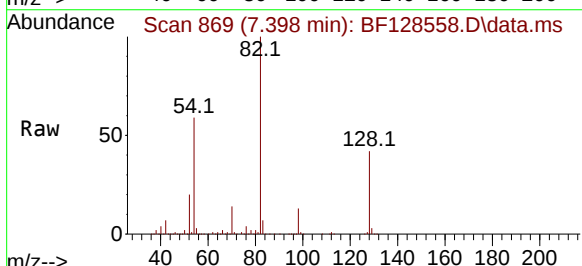
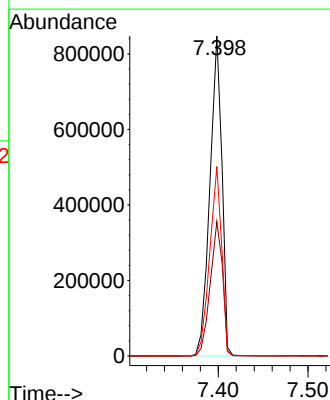
Tgt Ion: 82 Resp: 789482

Ion Ratio Lower Upper

82 100

128 42.0 34.0 51.0

54 59.2 46.9 70.3

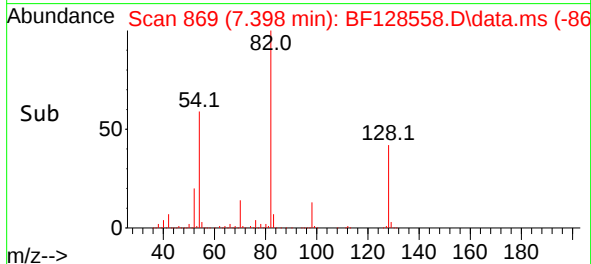
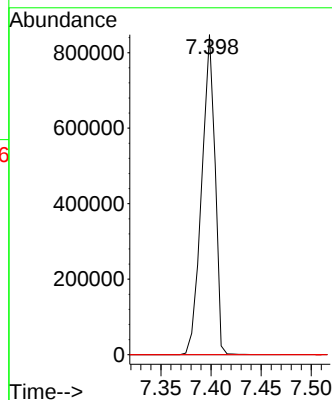
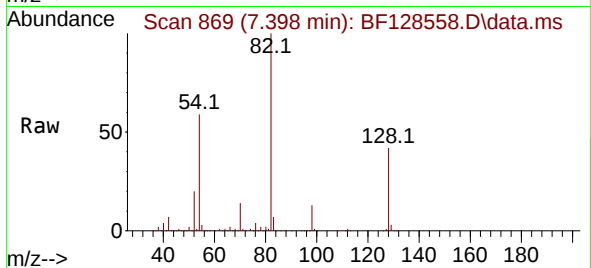




#25  
Isophorone  
Concen: 39.675 ng  
RT: 7.398 min Scan# 80  
Delta R.T. -0.271 min  
Lab File: BF128558.D  
Acq: 28 May 2022 20:08

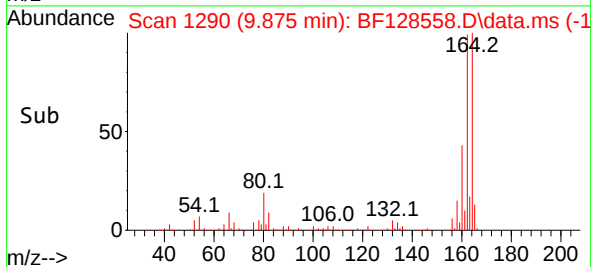
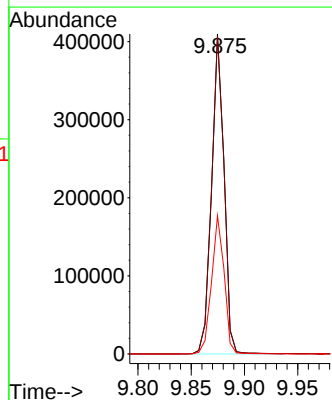
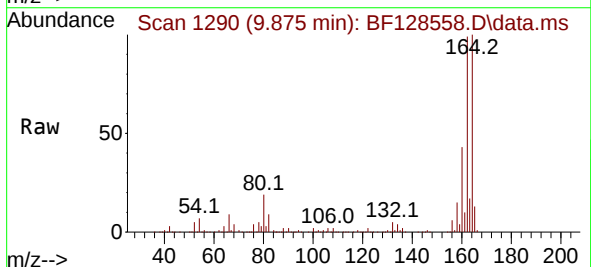
Instrument :  
BNA\_F  
ClientSampleId :  
P016-SS001-0006-01

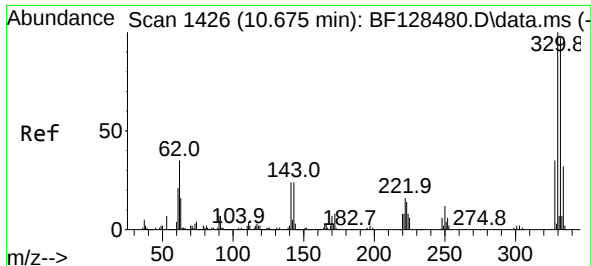
Tgt Ion: 82 Resp: 788121  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 14.2 21.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.875 min Scan# 1290  
Delta R.T. -0.006 min  
Lab File: BF128558.D  
Acq: 28 May 2022 20:08

Tgt Ion: 164 Resp: 332093  
Ion Ratio Lower Upper  
164 100  
162 99.3 79.5 119.3  
160 43.2 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 95.683 ng

RT: 10.663 min Scan# 1424

Delta R.T. -0.012 min

Lab File: BF128558.D

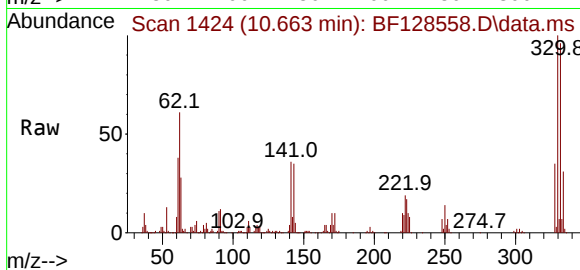
Acq: 28 May 2022 20:08

Instrument :

BNA\_F

ClientSampleId :

P016-SS001-0006-01



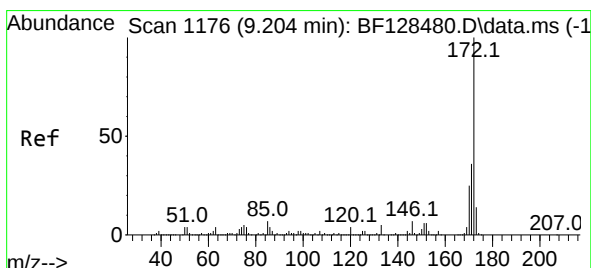
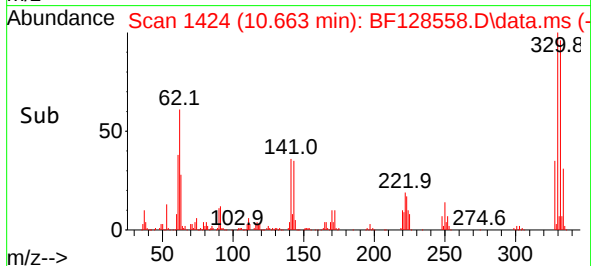
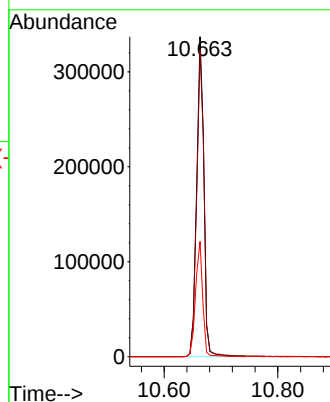
Tgt Ion:330 Resp: 302450

Ion Ratio Lower Upper

330 100

332 95.8 76.8 115.2

141 35.2 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 67.066 ng

RT: 9.198 min Scan# 1175

Delta R.T. -0.006 min

Lab File: BF128558.D

Acq: 28 May 2022 20:08

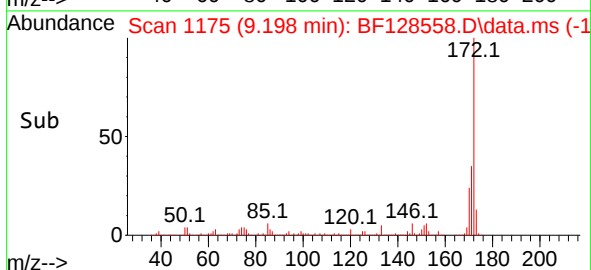
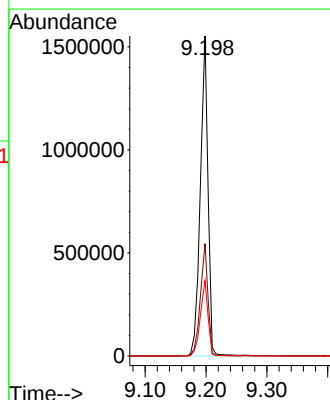
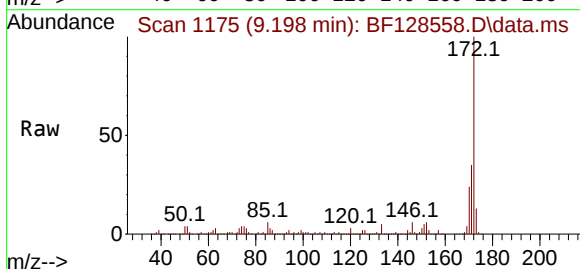
Tgt Ion:172 Resp: 1370894

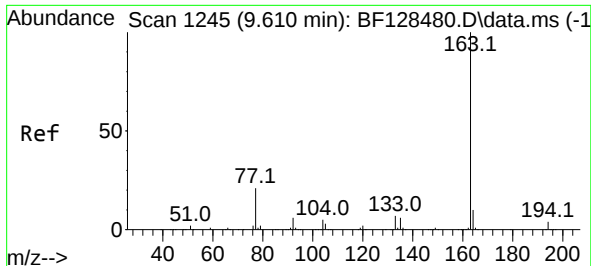
Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

170 23.6 19.8 29.8

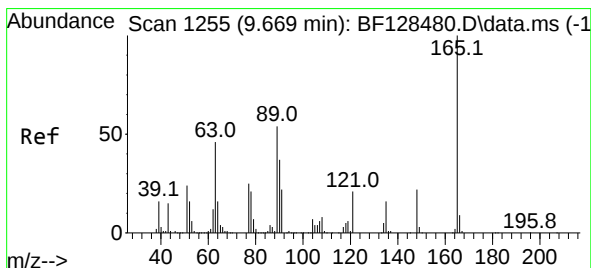
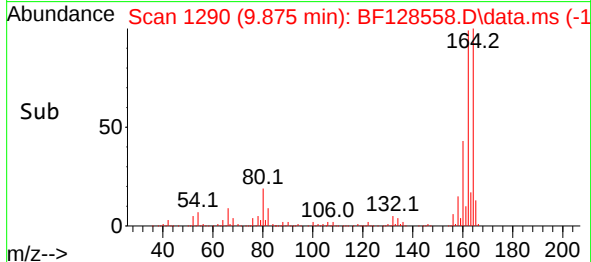
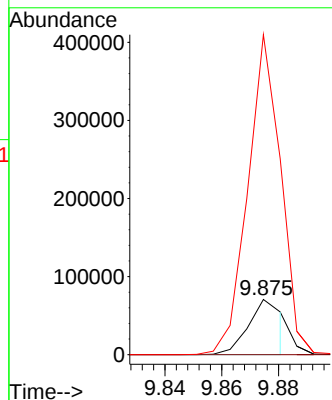
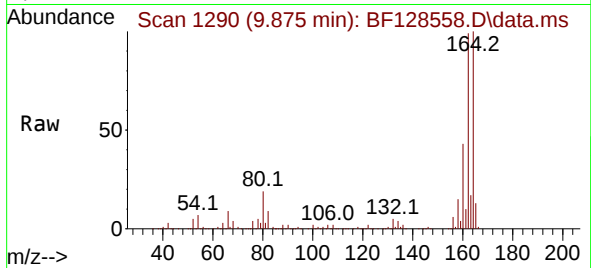




#50  
Dimethylphthalate  
Concen: 2.717 ng  
RT: 9.875 min Scan# 1290  
Delta R.T. 0.265 min  
Lab File: BF128558.D  
Acq: 28 May 2022 20:08

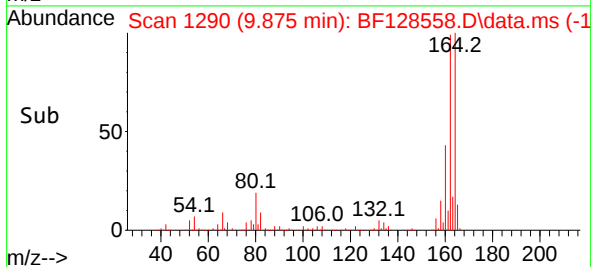
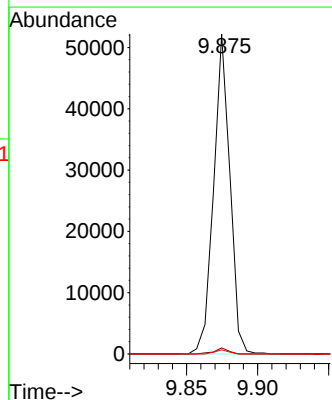
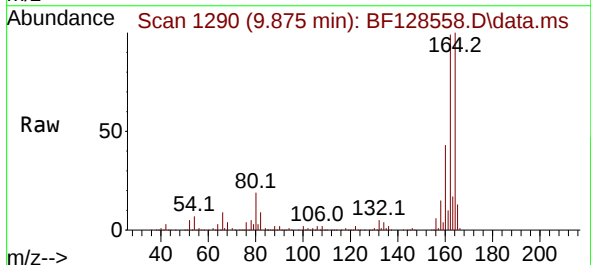
Instrument :  
BNA\_F  
ClientSampleId :  
P016-SS001-0006-01

Tgt Ion:163 Resp: 58536  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.2 4.8#  
164 579.4 8.2 12.2#



#51  
2,6-Dinitrotoluene  
Concen: 10.499 ng  
RT: 9.875 min Scan# 1290  
Delta R.T. 0.206 min  
Lab File: BF128558.D  
Acq: 28 May 2022 20:08

Tgt Ion:165 Resp: 41450  
Ion Ratio Lower Upper  
165 100  
63 1.9 44.9 67.3#  
89 1.3 43.6 65.4#

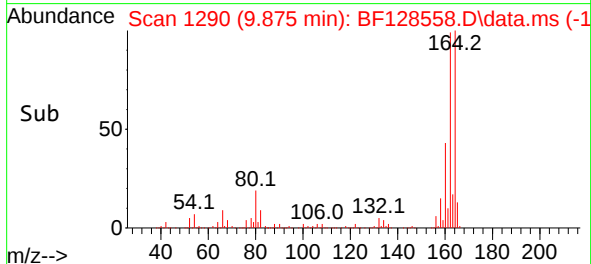
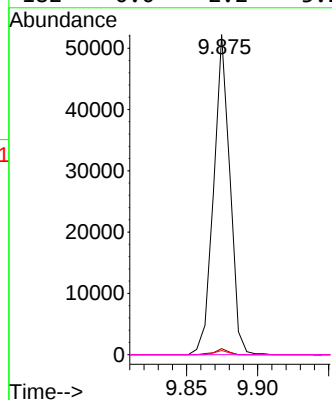
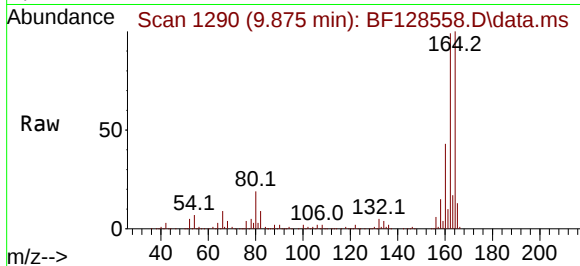




#57  
2,4-Dinitrotoluene  
Concen: 8.776 ng  
RT: 9.875 min Scan# 11  
Delta R.T. -0.194 min  
Lab File: BF128558.D  
Acq: 28 May 2022 20:08

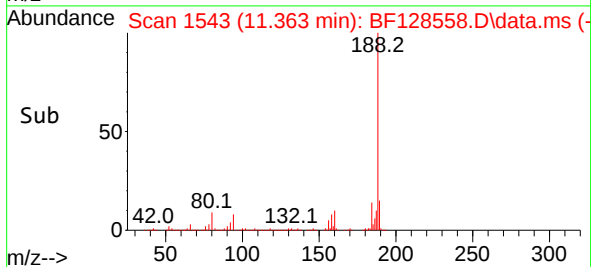
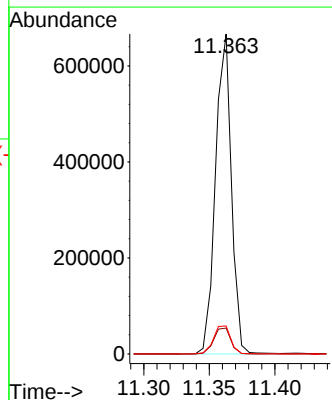
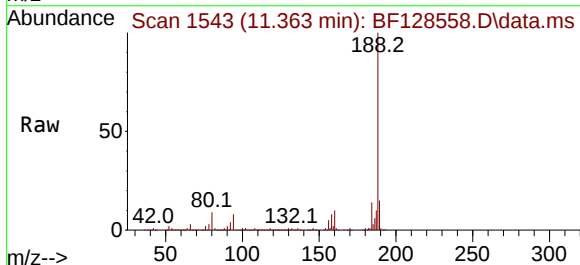
Instrument :  
BNA\_F  
ClientSampleId :  
P016-SS001-0006-01

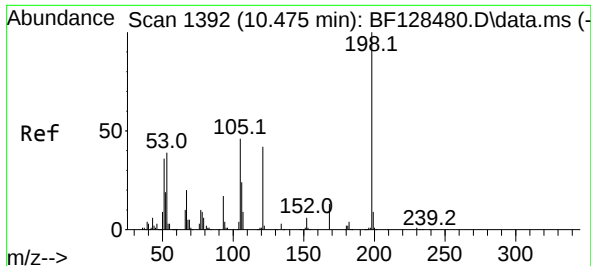
Tgt Ion:165 Resp: 41450  
Ion Ratio Lower Upper  
165 100  
63 1.9 39.8 59.6#  
89 1.3 60.2 90.2#  
182 0.0 2.2 3.2#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.363 min Scan# 1543  
Delta R.T. -0.006 min  
Lab File: BF128558.D  
Acq: 28 May 2022 20:08

Tgt Ion:188 Resp: 560724  
Ion Ratio Lower Upper  
188 100  
94 8.1 7.0 10.6  
80 8.8 7.6 11.4





#65

4,6-Dinitro-2-methylphenol

Concen: 5.773 ng

RT: 10.663 min Scan# 1424

Delta R.T. 0.188 min

Lab File: BF128558.D

Acq: 28 May 2022 20:08

Instrument :

BNA\_F

ClientSampleId :

P016-SS001-0006-01

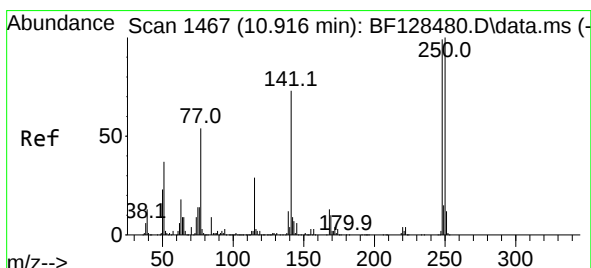
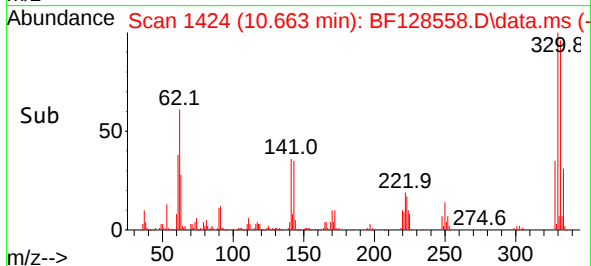
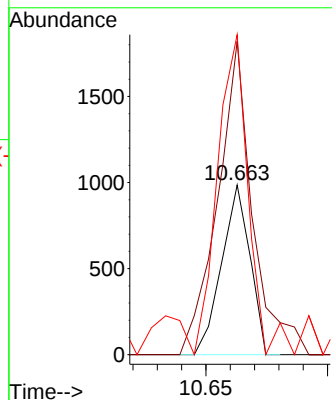
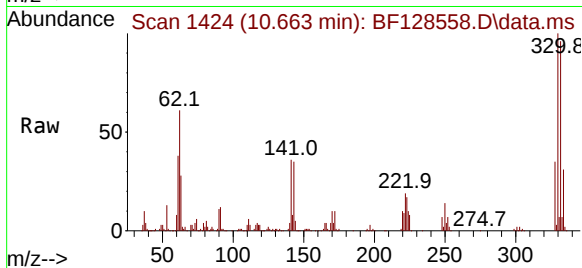
Tgt Ion:198 Resp: 794

Ion Ratio Lower Upper

198 100

51 184.7 37.6 77.6#

105 188.5 27.0 67.0#



#67

4-Bromophenyl-phenylether

Concen: 3.381 ng

RT: 10.663 min Scan# 1424

Delta R.T. -0.253 min

Lab File: BF128558.D

Acq: 28 May 2022 20:08

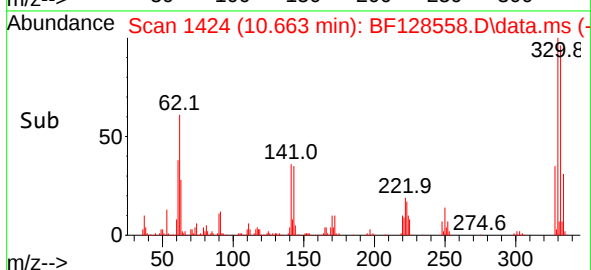
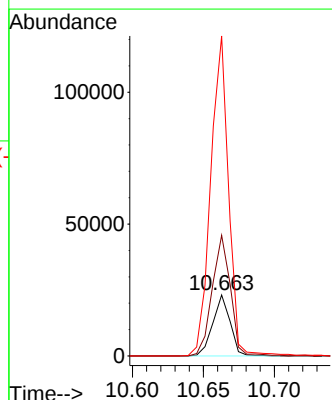
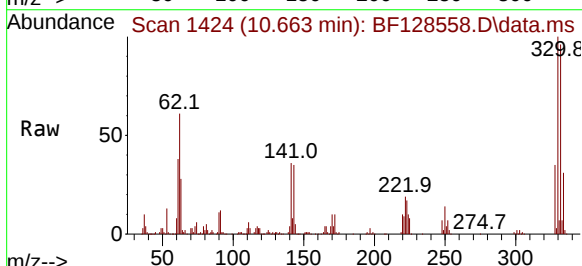
Tgt Ion:248 Resp: 19590

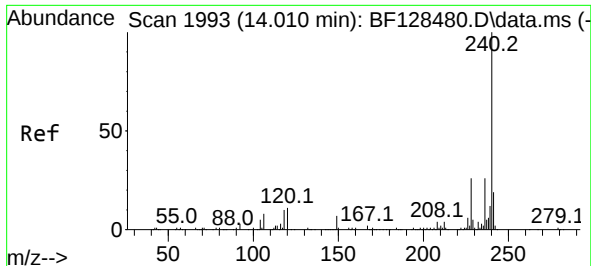
Ion Ratio Lower Upper

248 100

250 197.6 80.6 120.8#

141 524.3 58.9 88.3#

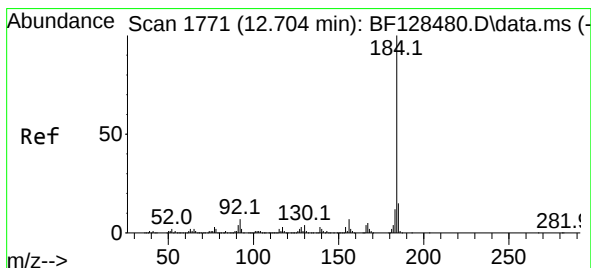
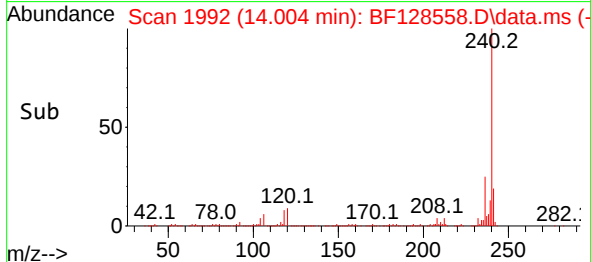
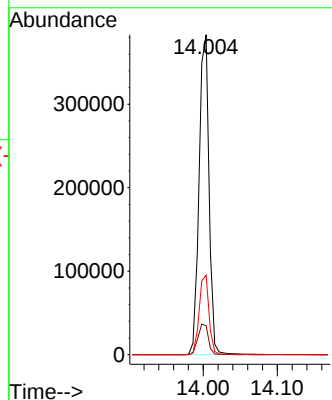
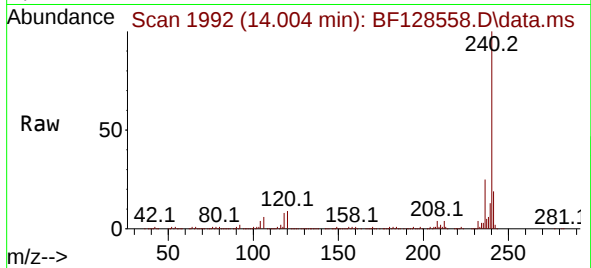




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.004 min Scan# 1813  
Delta R.T. -0.006 min  
Lab File: BF128558.D  
Acq: 28 May 2022 20:08

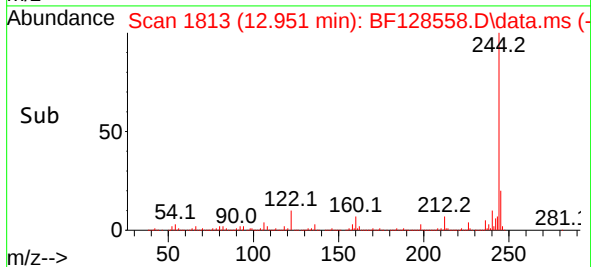
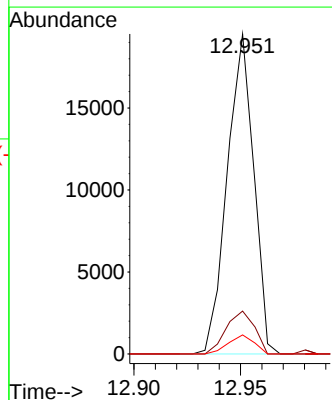
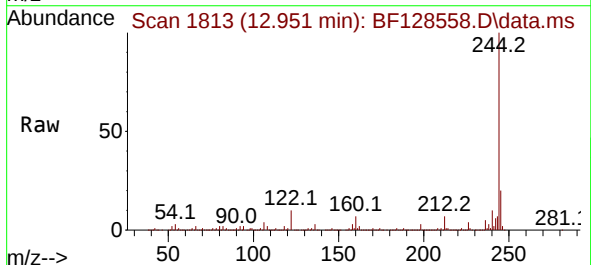
Instrument :  
BNA\_F  
ClientSampleId :  
P016-SS001-0006-01

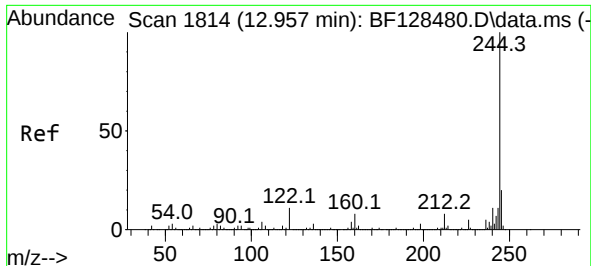
Tgt Ion:240 Resp: 358785  
Ion Ratio Lower Upper  
240 100  
120 9.0 8.9 13.3  
236 24.9 20.8 31.2



#77  
Benzidine  
Concen: 2.039 ng  
RT: 12.951 min Scan# 1813  
Delta R.T. 0.247 min  
Lab File: BF128558.D  
Acq: 28 May 2022 20:08

Tgt Ion:184 Resp: 16875  
Ion Ratio Lower Upper  
184 100  
185 13.4 11.9 17.9  
183 5.9 9.3 13.9#

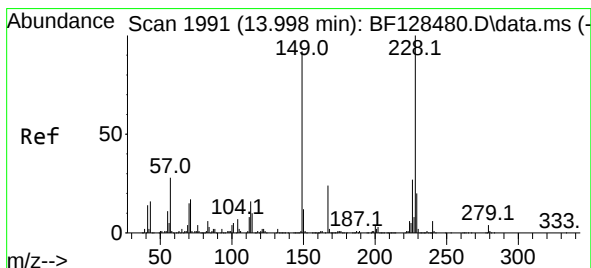
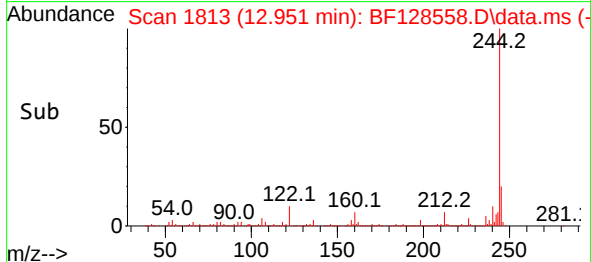
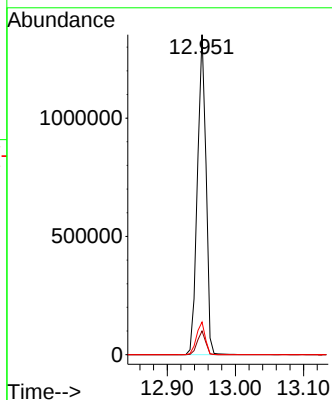
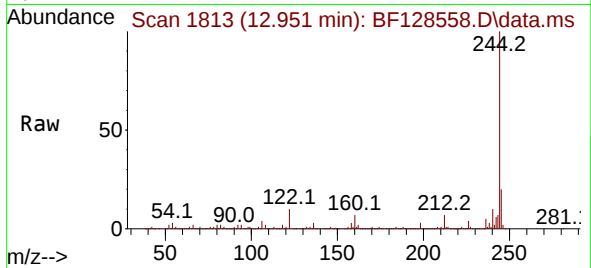




#79  
 Terphenyl-d14  
 Concen: 63.801 ng  
 RT: 12.951 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF128558.D  
 Acq: 28 May 2022 20:08

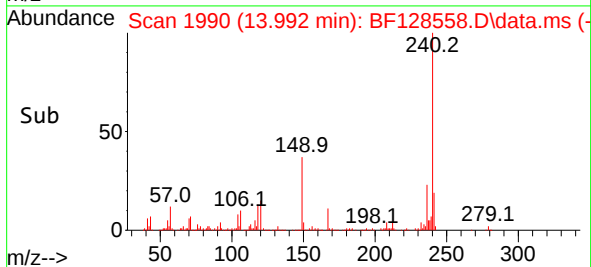
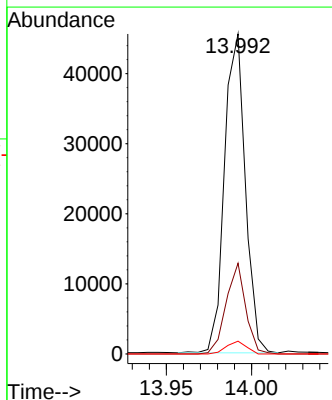
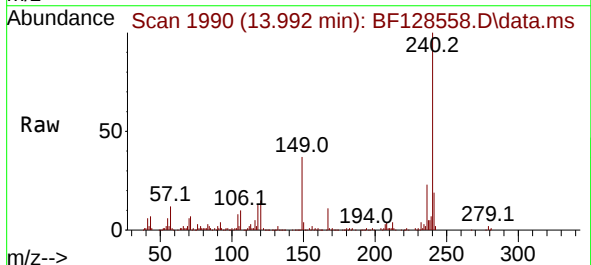
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P016-SS001-0006-01

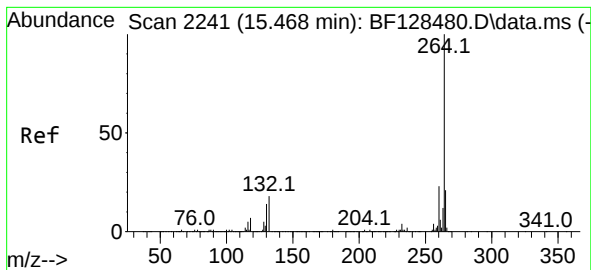
Tgt Ion:244 Resp: 1184844  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 6.1 9.1  
 122 10.2 8.8 13.2



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.811 ng  
 RT: 13.992 min Scan# 1990  
 Delta R.T. -0.006 min  
 Lab File: BF128558.D  
 Acq: 28 May 2022 20:08

Tgt Ion:149 Resp: 38761  
 Ion Ratio Lower Upper  
 149 100  
 167 28.4 21.0 31.4  
 279 4.0 3.1 4.7





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.468 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BF128558.D  
 Acq: 28 May 2022 20:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P016-SS001-0006-01

Tgt Ion:264 Resp: 356669  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 18.4 27.6  
 265 21.2 17.2 25.8

