

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112723\  
 Data File : BF136229.D  
 Acq On : 27 Nov 2023 18:52  
 Operator : CG\JU  
 Sample : 05469-04  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-12

Quant Time: Nov 28 04:09:51 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 28 03:04:20 2023  
 Response via : Initial Calibration

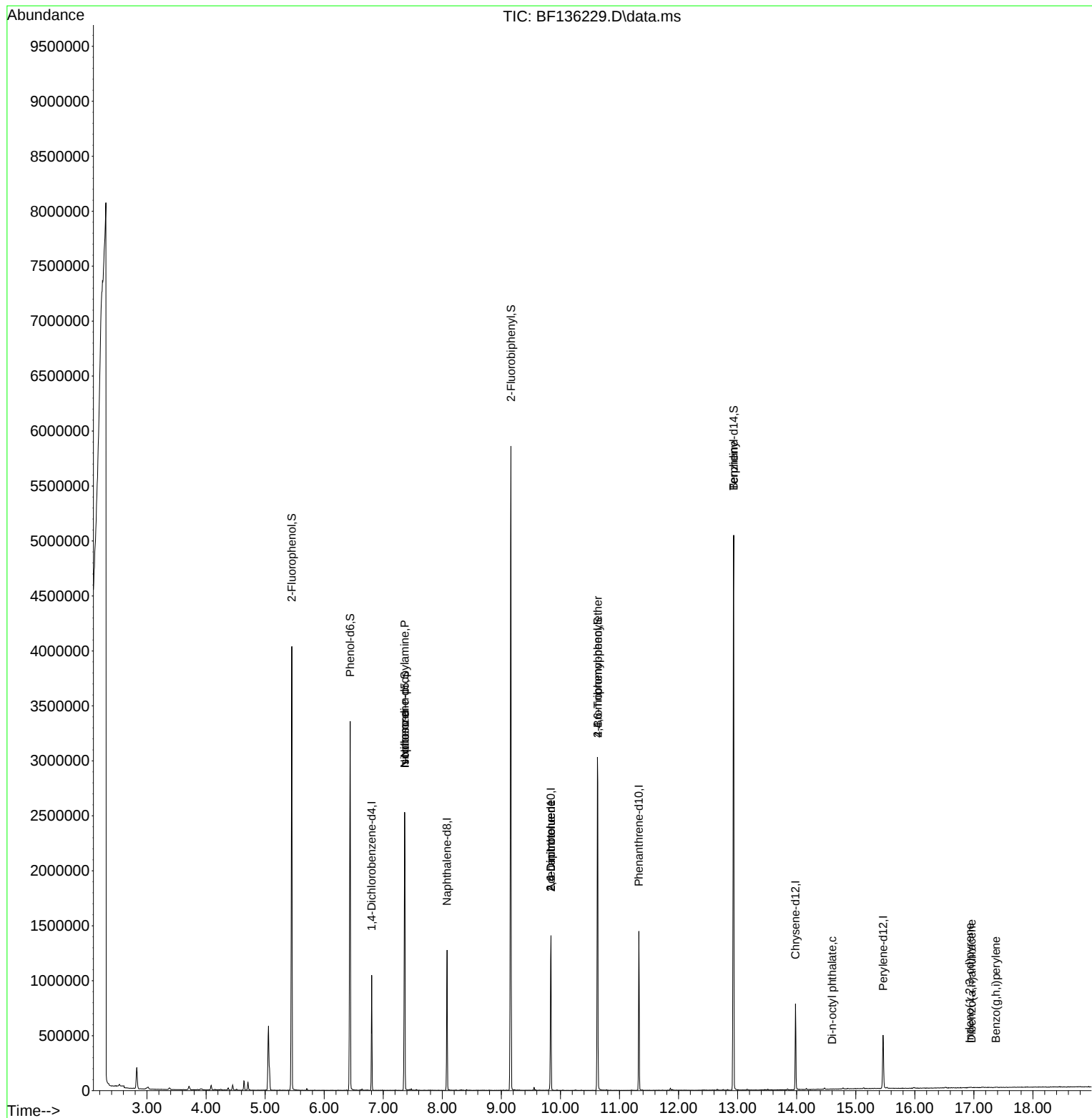
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.804  | 152  | 123913   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.081  | 136  | 530663   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.839  | 164  | 274690   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.327 | 188  | 493650   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.980 | 240  | 244614   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.462 | 264  | 226782   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.451  | 112  | 1041012  | 116.931 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.439  | 99   | 1183460  | 106.314 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.363  | 82   | 886128   | 88.240  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.633 | 330  | 417431   | 124.298 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.163  | 172  | 1878865  | 87.367  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.933 | 244  | 1940464  | 91.503  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.363  | 70   | 118406   | 17.785  | ng    | # 77     |
| 25) Isophorone                | 7.363  | 82   | 886111   | 48.936  | ng    | # 68     |
| 51) 2,6-Dinitrotoluene        | 9.839  | 165  | 32932    | 7.764   | ng    | # 25     |
| 57) 2,4-Dinitrotoluene        | 9.839  | 165  | 32932    | 5.813   | ng    | # 28     |
| 67) 4-Bromophenyl-phenylether | 10.633 | 248  | 23670    | 4.110   | ng    | # 1      |
| 77) Benzidine                 | 12.933 | 184  | 20960    | 5.213   | ng    | # 89     |
| 85) Di-n-octyl phthalate      | 14.598 | 149  | 352      | 5.182   | ng    | # 78     |
| 87) Indeno(1,2,3-cd)pyrene    | 16.927 | 276  | 2696     | 2.829   | ng    | # 79     |
| 91) Dibenzo(a,h)anthracene    | 16.962 | 278  | 2446     | 2.883   | ng    | # 82     |
| 92) Benzo(g,h,i)perylene      | 17.374 | 276  | 2468     | 2.074   | ng    | # 70     |
| -----                         |        |      |          |         |       |          |

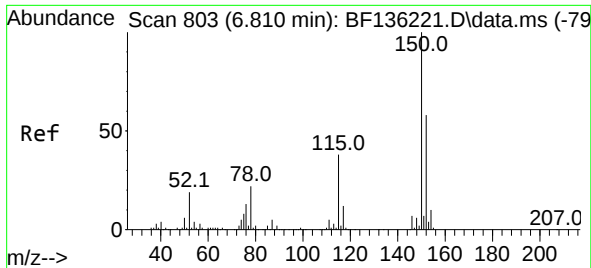
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112723\  
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Sample : 05469-04  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-12

Quant Time: Nov 28 04:09:51 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 28 03:04:20 2023  
Response via : Initial Calibration

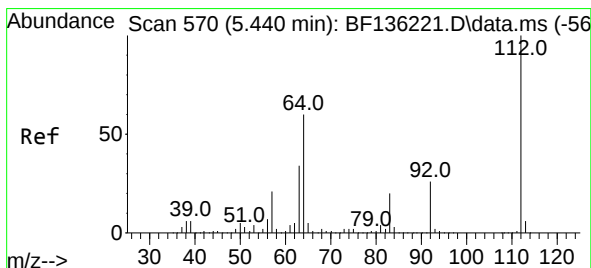
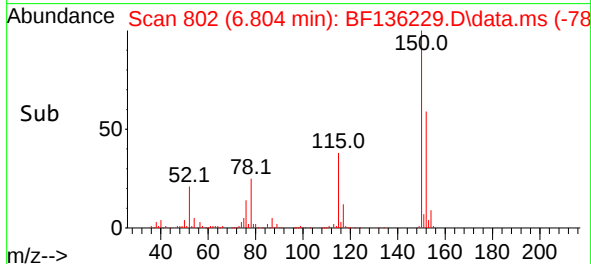
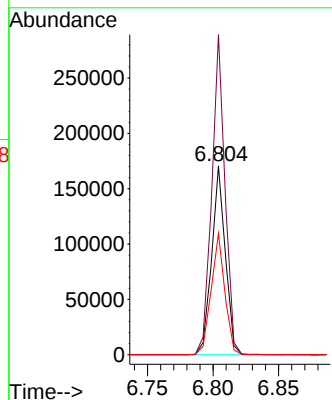
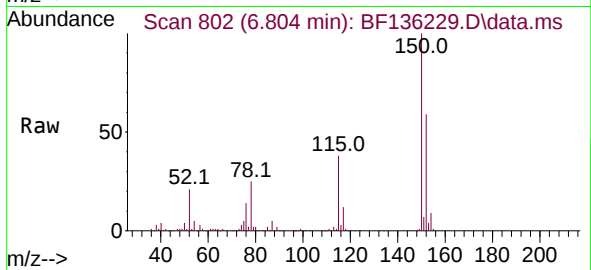




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.804 min Scan# 803  
Delta R.T. -0.006 min  
Lab File: BF136229.D  
Acq: 27 Nov 2023 18:52

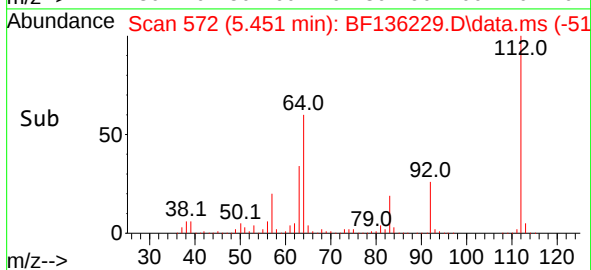
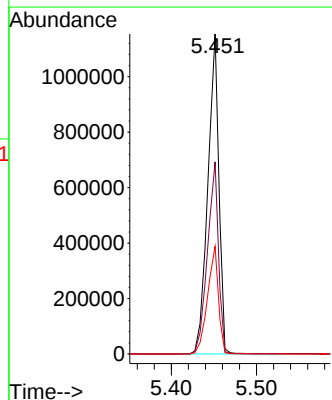
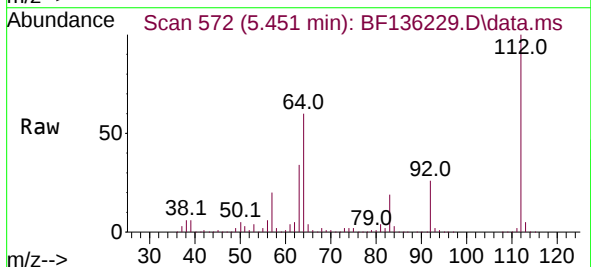
Instrument :  
BNA\_F  
ClientSampleId :  
TP-12

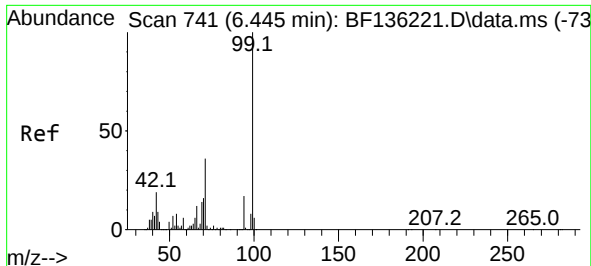
Tgt Ion:152 Resp: 123913  
Ion Ratio Lower Upper  
152 100  
150 169.4 137.8 206.8  
115 64.2 52.7 79.1



#5  
2-Fluorophenol  
Concen: 116.931 ng  
RT: 5.451 min Scan# 572  
Delta R.T. 0.012 min  
Lab File: BF136229.D  
Acq: 27 Nov 2023 18:52

Tgt Ion:112 Resp: 1041012  
Ion Ratio Lower Upper  
112 100  
64 60.1 48.2 72.4  
63 33.6 27.0 40.6

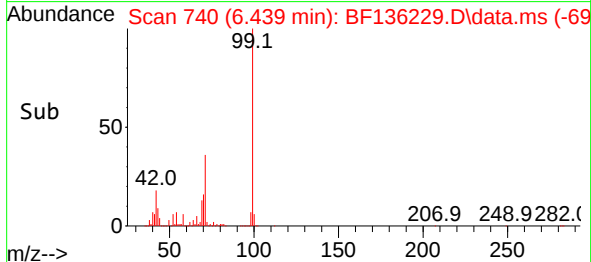
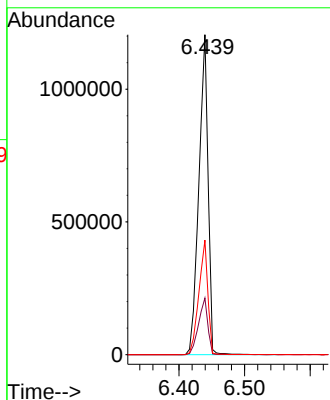
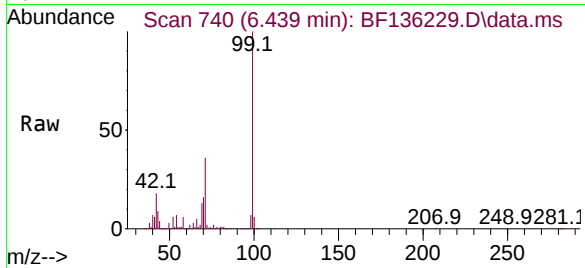




#7  
Phenol-d6  
Concen: 106.314 ng  
RT: 6.439 min Scan# 741  
Delta R.T. -0.006 min  
Lab File: BF136229.D  
Acq: 27 Nov 2023 18:52

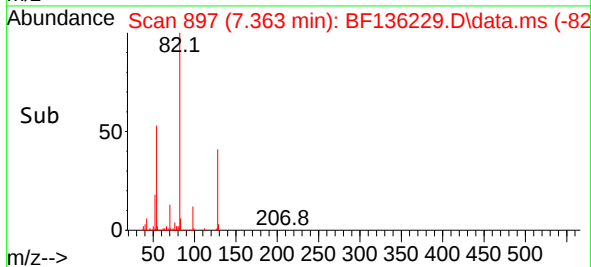
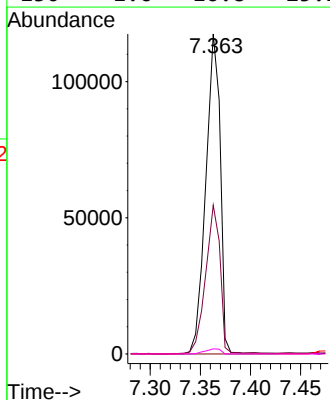
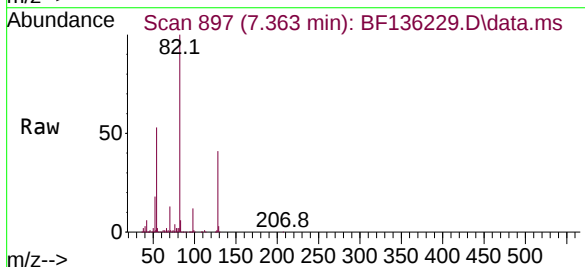
Instrument :  
BNA\_F  
ClientSampleId :  
TP-12

Tgt Ion: 99 Resp: 1183460  
Ion Ratio Lower Upper  
99 100  
42 17.7 15.0 22.6  
71 35.8 28.9 43.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 17.785 ng  
RT: 7.363 min Scan# 897  
Delta R.T. 0.135 min  
Lab File: BF136229.D  
Acq: 27 Nov 2023 18:52

Tgt Ion: 70 Resp: 118406  
Ion Ratio Lower Upper  
70 100  
42 46.5 47.0 70.4#  
101 0.0 7.8 11.8#  
130 1.6 16.8 25.2#

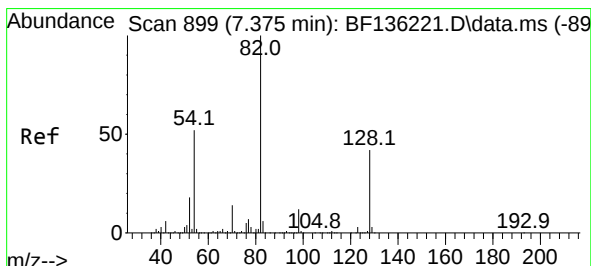
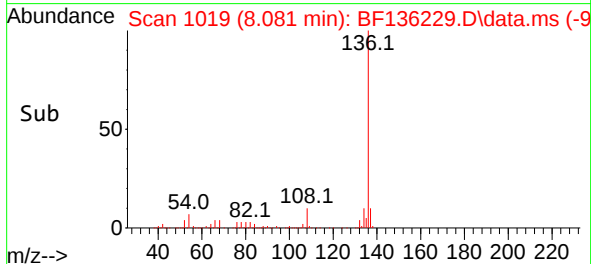
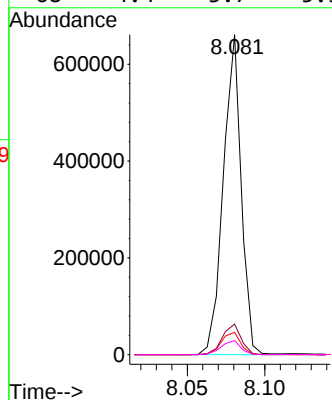
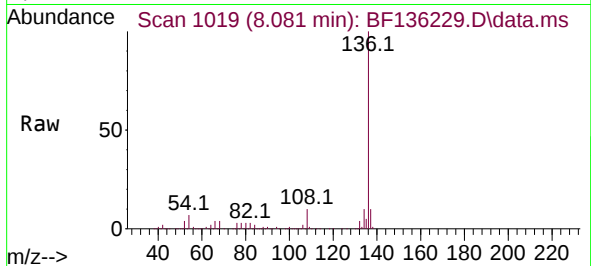




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.081 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: BF136229.D  
Acq: 27 Nov 2023 18:52

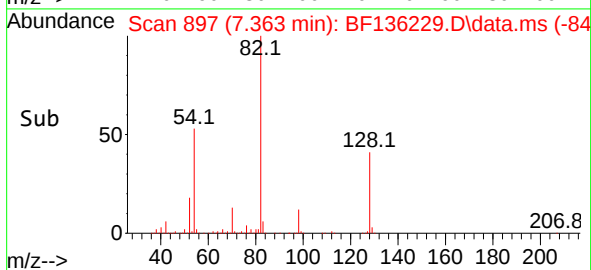
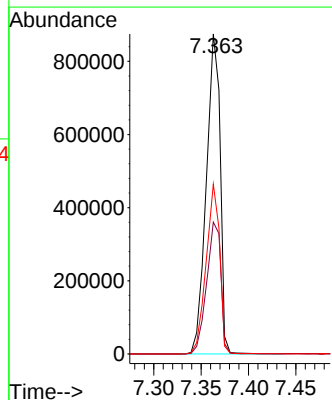
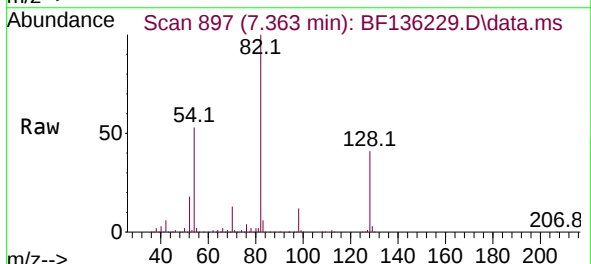
Instrument :  
BNA\_F  
ClientSampleId :  
TP-12

Tgt Ion:136 Resp: 530663  
Ion Ratio Lower Upper  
136 100  
137 9.6 7.4 11.2  
54 7.0 5.5 8.3  
68 4.4 3.7 5.5



#23  
Nitrobenzene-d5  
Concen: 88.240 ng  
RT: 7.363 min Scan# 897  
Delta R.T. -0.012 min  
Lab File: BF136229.D  
Acq: 27 Nov 2023 18:52

Tgt Ion: 82 Resp: 886128  
Ion Ratio Lower Upper  
82 100  
128 41.2 33.4 50.2  
54 53.0 41.7 62.5

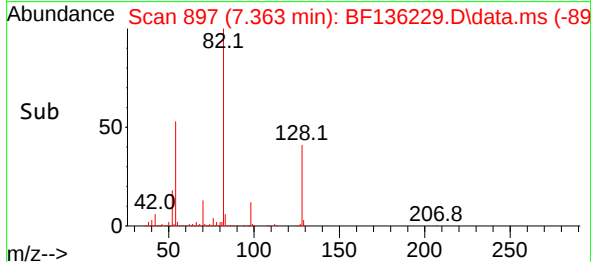
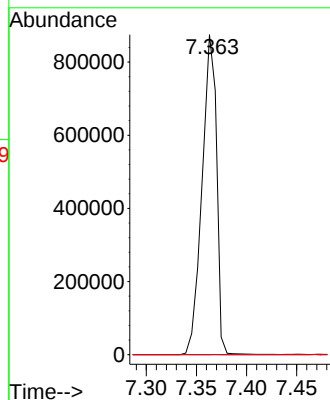
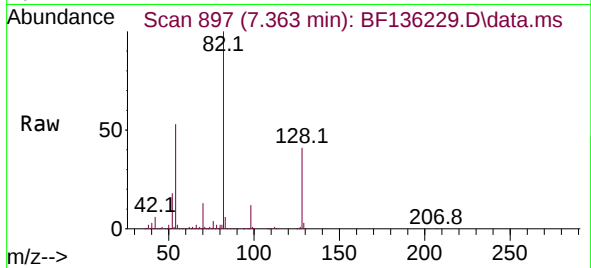




#25  
Isophorone  
Concen: 48.936 ng  
RT: 7.363 min Scan# 897  
Delta R.T. -0.265 min  
Lab File: BF136229.D  
Acq: 27 Nov 2023 18:52

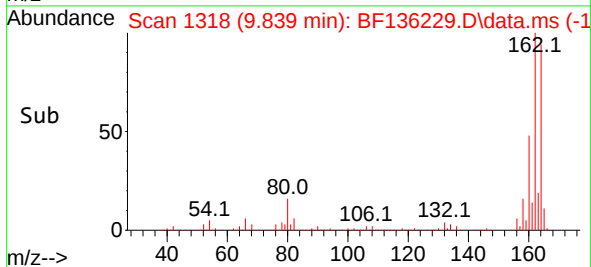
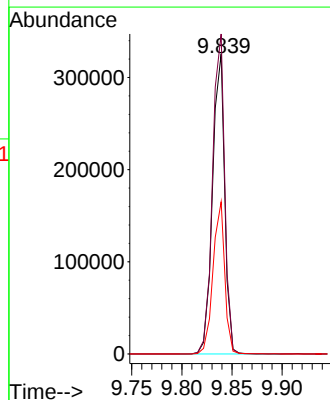
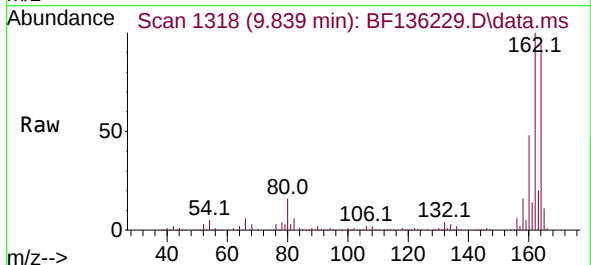
Instrument :  
BNA\_F  
ClientSampleId :  
TP-12

Tgt Ion: 82 Resp: 886111  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 12.8 19.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.839 min Scan# 1318  
Delta R.T. -0.006 min  
Lab File: BF136229.D  
Acq: 27 Nov 2023 18:52

Tgt Ion:164 Resp: 274690  
Ion Ratio Lower Upper  
164 100  
162 106.6 89.5 134.3  
160 50.7 39.6 59.4

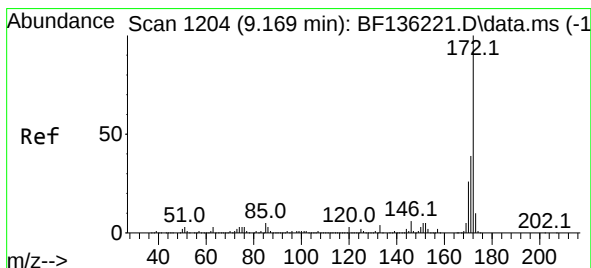
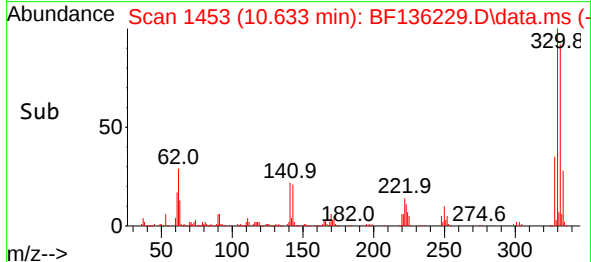
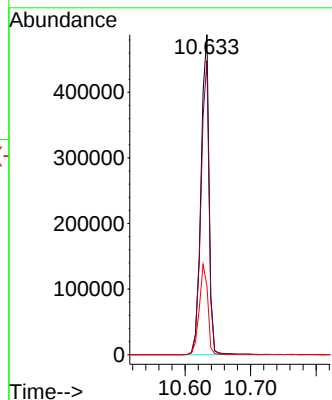
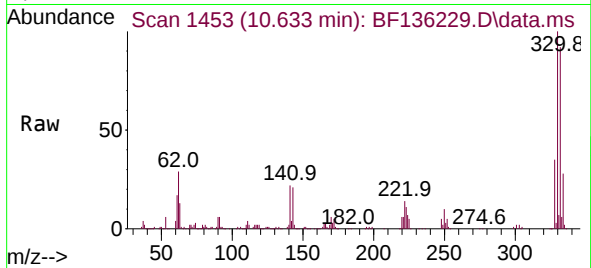




#42  
 2,4,6-Tribromophenol  
 Concen: 124.298 ng  
 RT: 10.633 min Scan# 1454  
 Delta R.T. -0.006 min  
 Lab File: BF136229.D  
 Acq: 27 Nov 2023 18:52

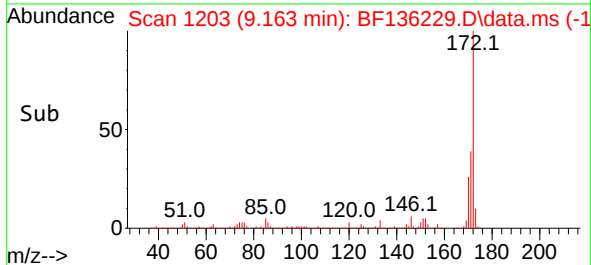
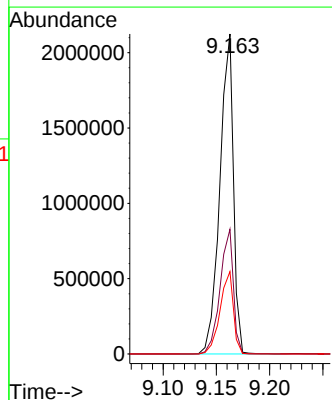
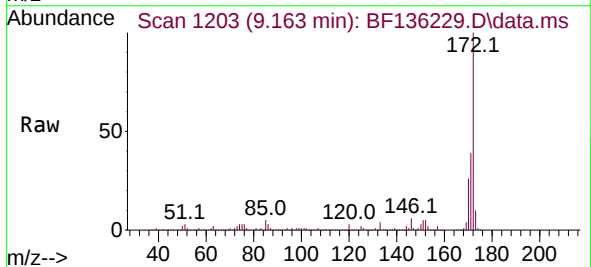
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-12

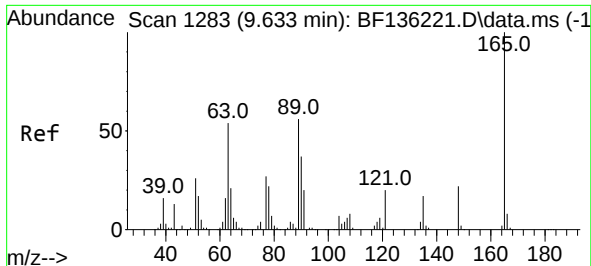
Tgt Ion:330 Resp: 417431  
 Ion Ratio Lower Upper  
 330 100  
 332 92.3 73.0 109.6  
 141 29.6 24.2 36.2



#45  
 2-Fluorobiphenyl  
 Concen: 87.367 ng  
 RT: 9.163 min Scan# 1203  
 Delta R.T. -0.006 min  
 Lab File: BF136229.D  
 Acq: 27 Nov 2023 18:52

Tgt Ion:172 Resp: 1878865  
 Ion Ratio Lower Upper  
 172 100  
 171 39.0 31.5 47.3  
 170 25.7 20.8 31.2





#51

2,6-Dinitrotoluene

Concen: 7.764 ng

RT: 9.839 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF136229.D

Acq: 27 Nov 2023 18:52

Instrument :

BNA\_F

ClientSampleId :

TP-12

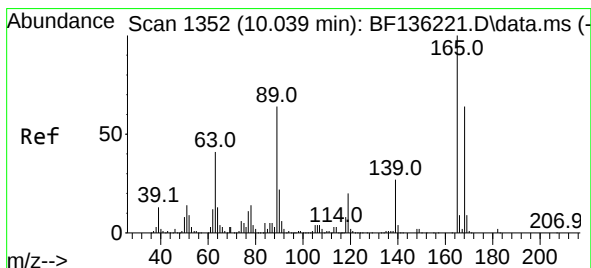
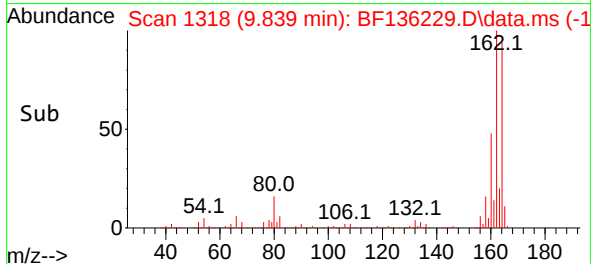
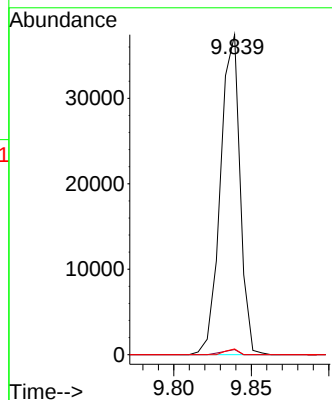
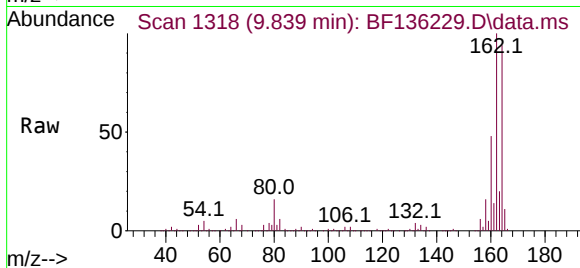
Tgt Ion:165 Resp: 32932

Ion Ratio Lower Upper

165 100

63 1.6 46.2 69.2#

89 1.8 44.9 67.3#



#57

2,4-Dinitrotoluene

Concen: 5.813 ng

RT: 9.839 min Scan# 1318

Delta R.T. -0.200 min

Lab File: BF136229.D

Acq: 27 Nov 2023 18:52

Tgt Ion:165 Resp: 32932

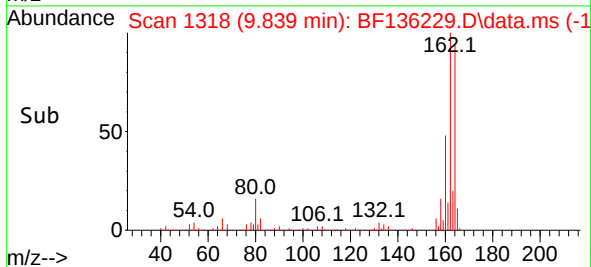
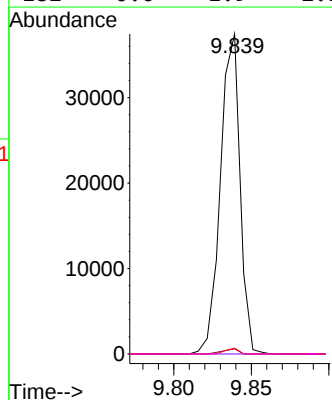
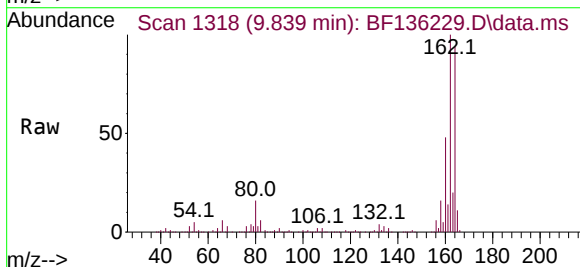
Ion Ratio Lower Upper

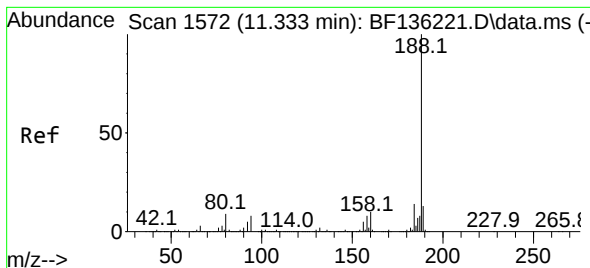
165 100

63 1.6 33.0 49.4#

89 1.8 51.5 77.3#

182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136229.D

Acq: 27 Nov 2023 18:52

Instrument :

BNA\_F

ClientSampleId :

TP-12

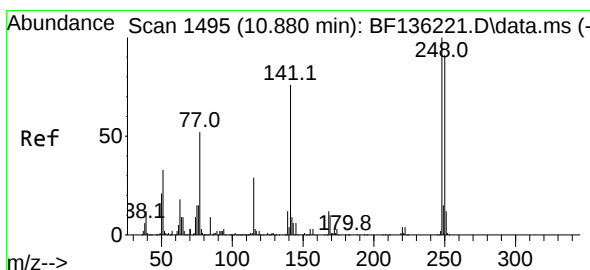
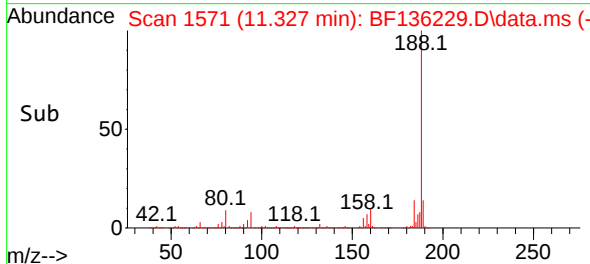
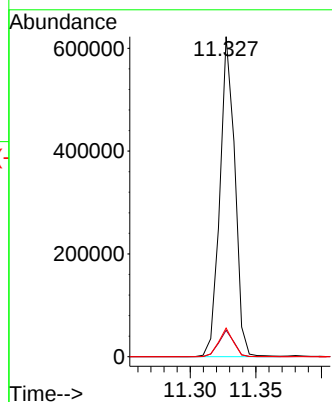
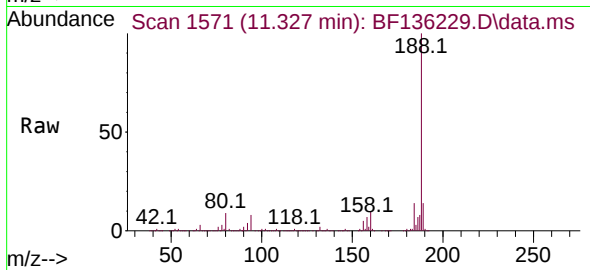
Tgt Ion:188 Resp: 493650

Ion Ratio Lower Upper

188 100

94 8.2 6.7 10.1

80 9.0 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 4.110 ng

RT: 10.633 min Scan# 1453

Delta R.T. -0.247 min

Lab File: BF136229.D

Acq: 27 Nov 2023 18:52

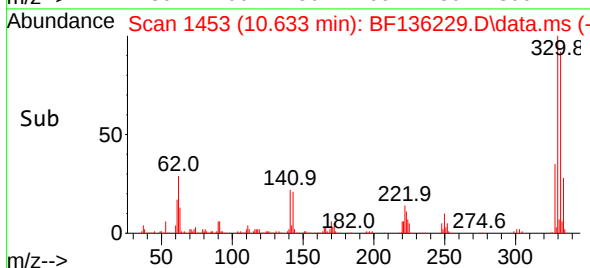
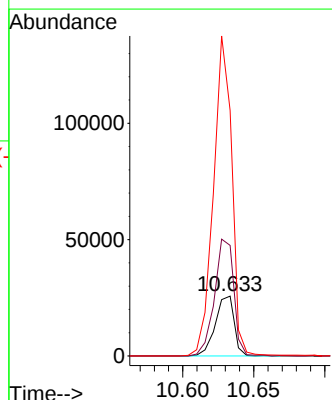
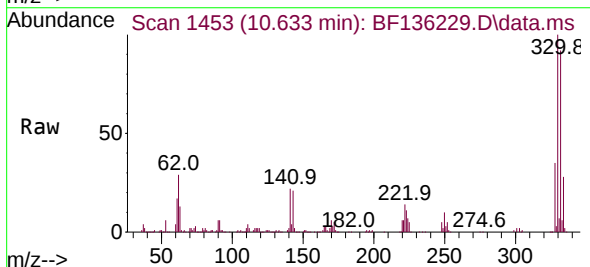
Tgt Ion:248 Resp: 23670

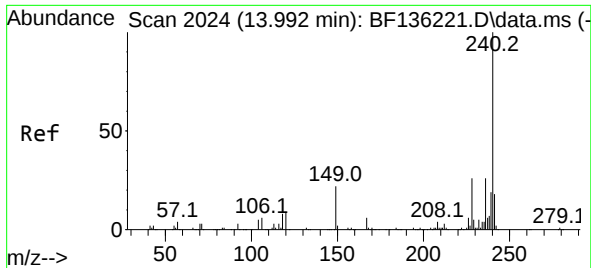
Ion Ratio Lower Upper

248 100

250 184.6 72.5 108.7#

141 410.0 60.8 91.2#

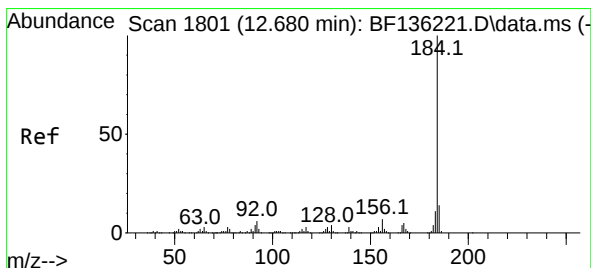
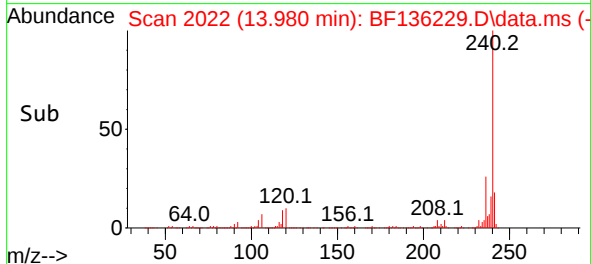
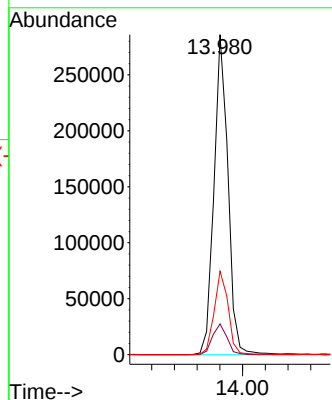
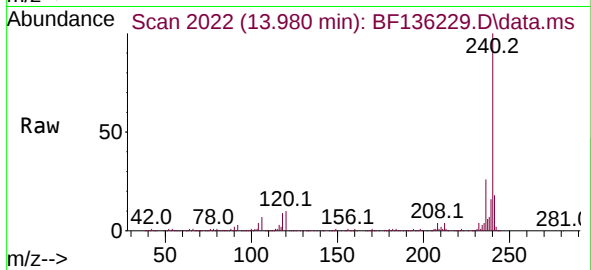




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.980 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: BF136229.D  
Acq: 27 Nov 2023 18:52

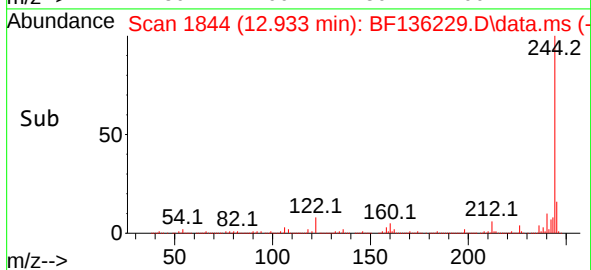
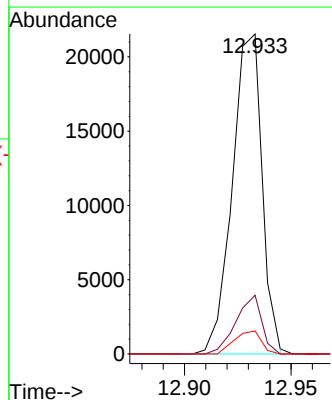
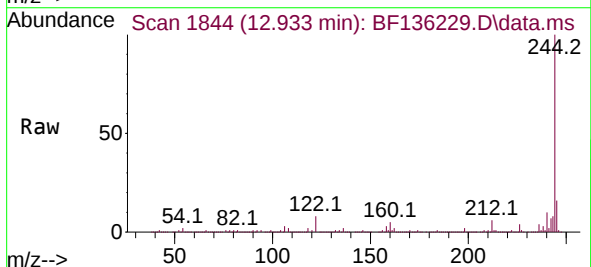
Instrument :  
BNA\_F  
ClientSampleId :  
TP-12

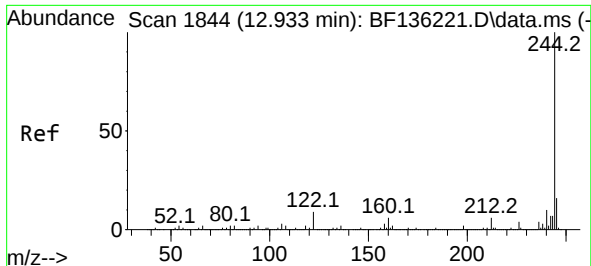
Tgt Ion:240 Resp: 244614  
Ion Ratio Lower Upper  
240 100  
120 9.6 7.4 11.2  
236 26.1 21.1 31.7



#77  
Benzidine  
Concen: 5.213 ng  
RT: 12.933 min Scan# 1844  
Delta R.T. 0.253 min  
Lab File: BF136229.D  
Acq: 27 Nov 2023 18:52

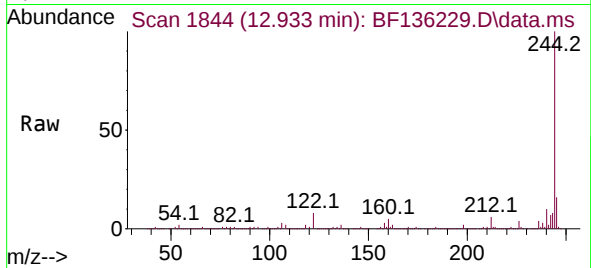
Tgt Ion:184 Resp: 20960  
Ion Ratio Lower Upper  
184 100  
185 18.4 11.0 16.6#  
183 7.2 9.0 13.4#



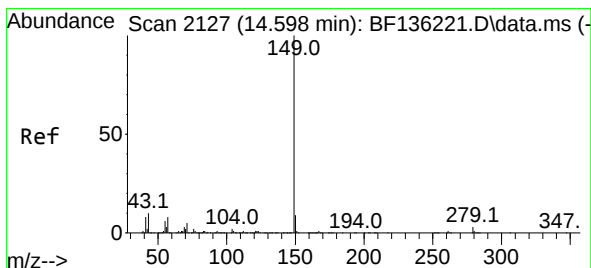
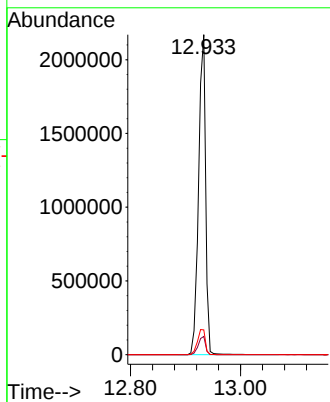
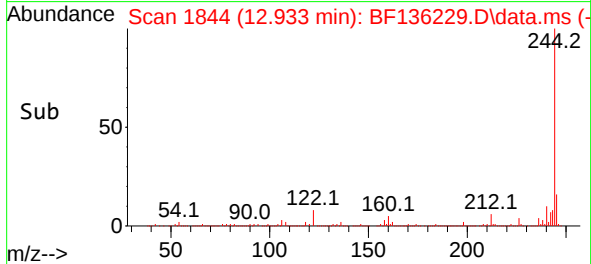


#79  
 Terphenyl-d14  
 Concen: 91.503 ng  
 RT: 12.933 min Scan# 1844  
 Delta R.T. -0.000 min  
 Lab File: BF136229.D  
 Acq: 27 Nov 2023 18:52

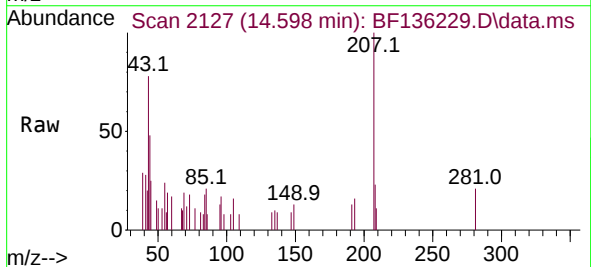
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-12



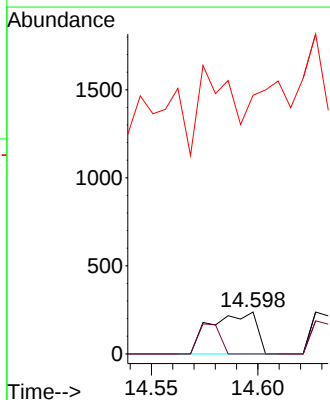
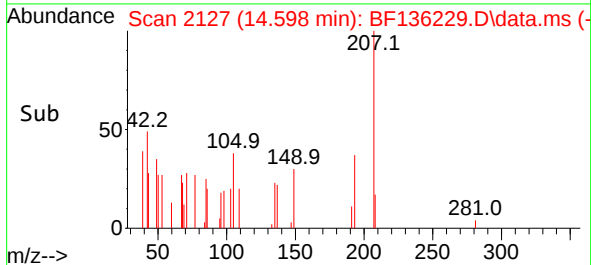
Tgt Ion:244 Resp: 1940464  
 Ion Ratio Lower Upper  
 244 100  
 212 5.7 4.6 7.0  
 122 7.7 7.3 10.9

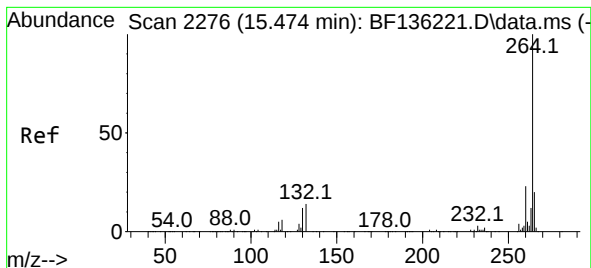


#85  
 Di-n-octyl phthalate  
 Concen: 5.182 ng  
 RT: 14.598 min Scan# 2127  
 Delta R.T. -0.000 min  
 Lab File: BF136229.D  
 Acq: 27 Nov 2023 18:52



Tgt Ion:149 Resp: 352  
 Ion Ratio Lower Upper  
 149 100  
 167 0.0 1.0 1.6#  
 43 0.0 7.2 10.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136229.D

Acq: 27 Nov 2023 18:52

Instrument :

BNA\_F

ClientSampleId :

TP-12

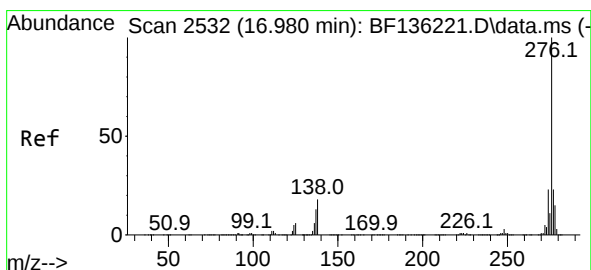
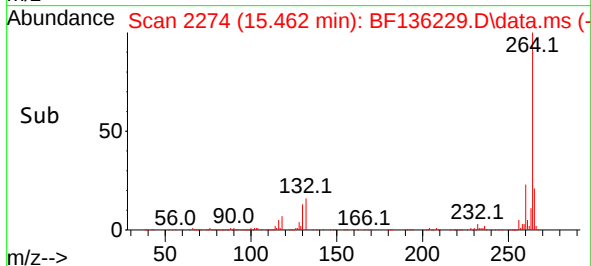
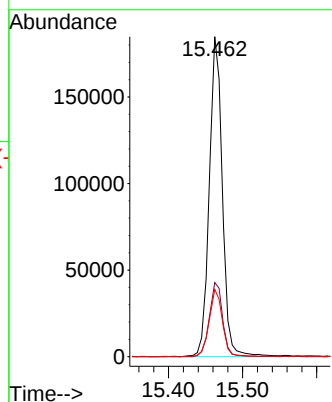
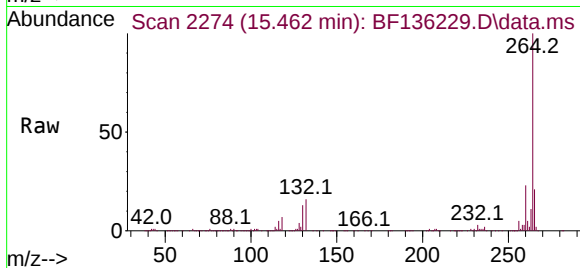
Tgt Ion:264 Resp: 226782

Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

265 21.0 15.7 23.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.829 ng

RT: 16.927 min Scan# 2523

Delta R.T. -0.053 min

Lab File: BF136229.D

Acq: 27 Nov 2023 18:52

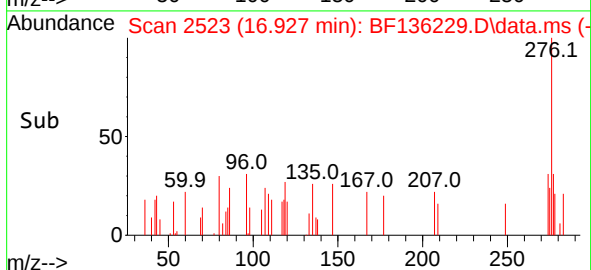
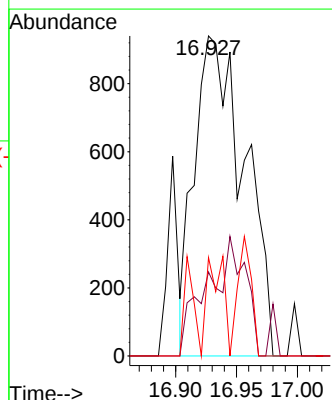
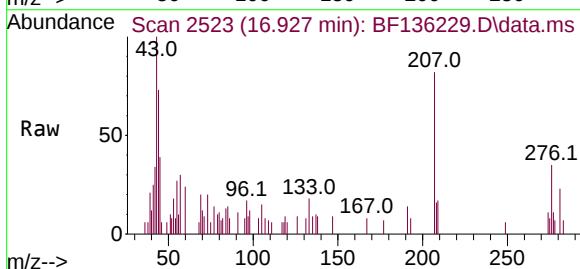
Tgt Ion:276 Resp: 2696

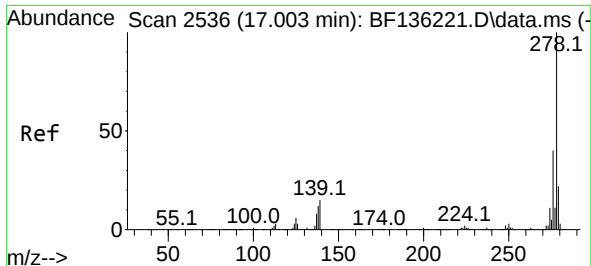
Ion Ratio Lower Upper

276 100

138 28.4 17.7 26.5#

277 10.1 19.6 29.4#

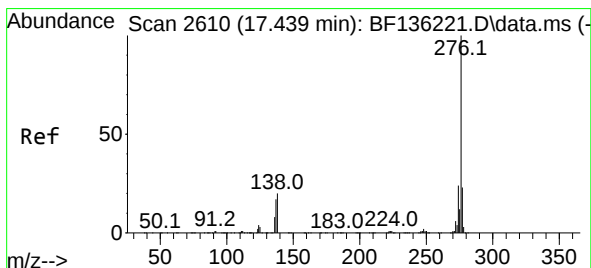
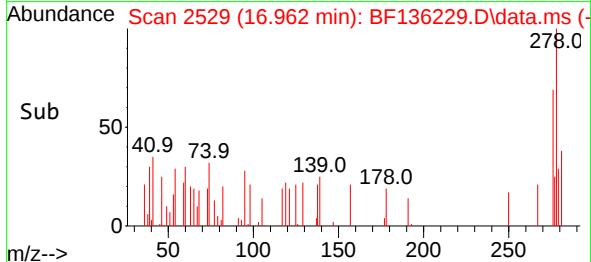
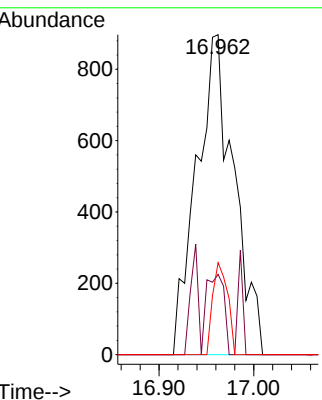
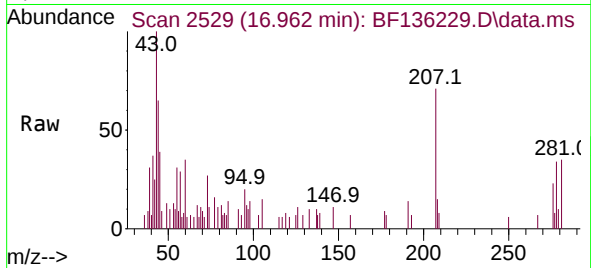




#91  
Dibenzo(a,h)anthracene  
Concen: 2.883 ng  
RT: 16.962 min Scan# 21  
Delta R.T. -0.041 min  
Lab File: BF136229.D  
Acq: 27 Nov 2023 18:52

Instrument :  
BNA\_F  
ClientSampleId :  
TP-12

Tgt Ion:278 Resp: 2446  
Ion Ratio Lower Upper  
278 100  
139 25.1 11.7 17.5#  
279 28.8 17.8 26.8#



#92  
Benzo(g,h,i)perylene  
Concen: 2.074 ng  
RT: 17.374 min Scan# 2599  
Delta R.T. -0.065 min  
Lab File: BF136229.D  
Acq: 27 Nov 2023 18:52

Tgt Ion:276 Resp: 2468  
Ion Ratio Lower Upper  
276 100  
277 0.0 18.6 27.8#  
138 16.0 15.8 23.8

