

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052124\  
 Data File : BF137993.D  
 Acq On : 21 May 2024 22:46  
 Operator : CG\JU  
 Sample : P2539-05  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WCS-TPP

Quant Time: May 22 01:33:49 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF051424.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 15 04:12:16 2024  
 Response via : Initial Calibration

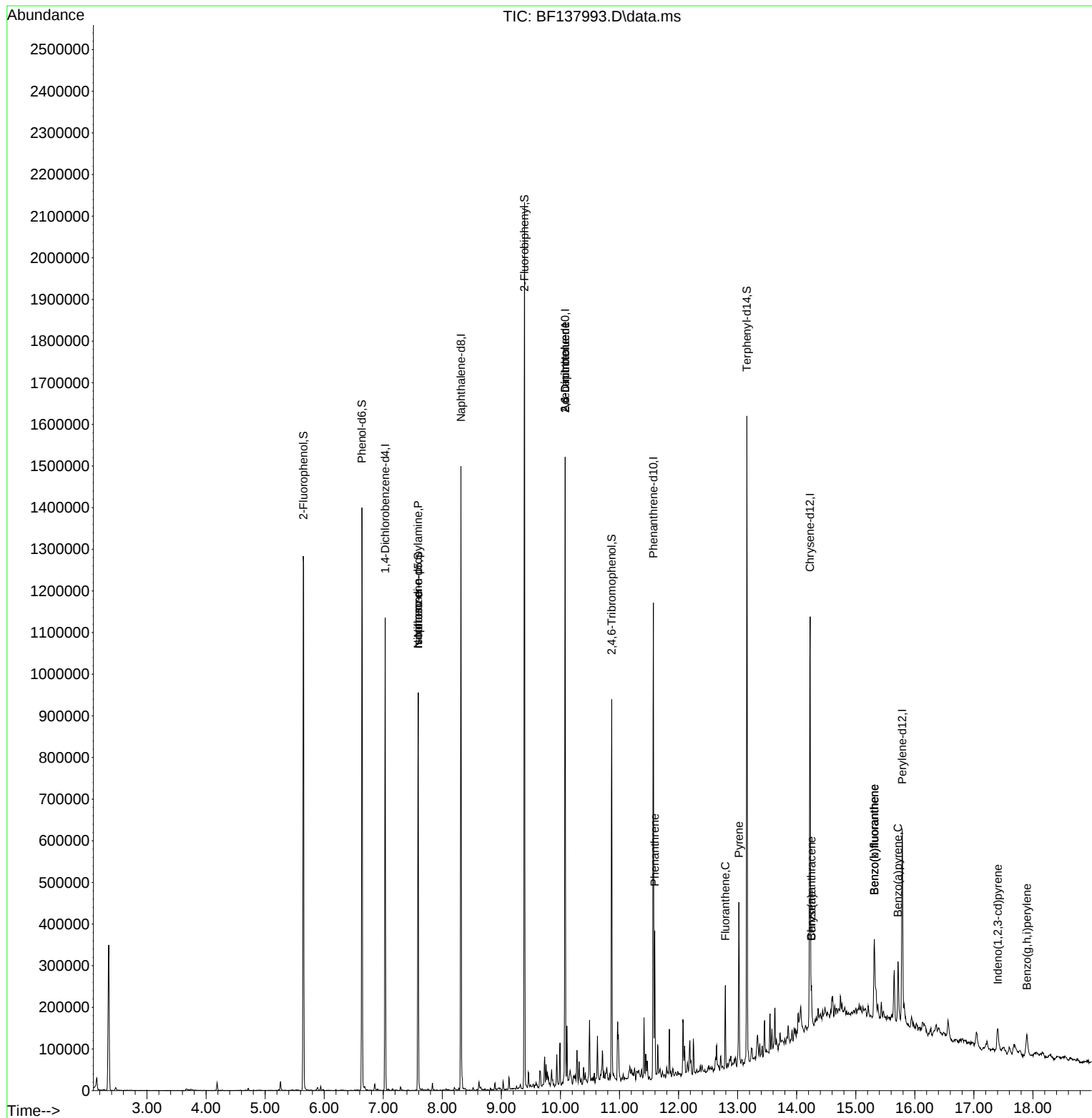
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.033  | 152  | 153697   | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.316  | 136  | 582401   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 10.080 | 164  | 293554   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.574 | 188  | 403843   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.227 | 240  | 321745   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.786 | 264  | 221111   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.651  | 112  | 386299   | 42.693 | ng    | -0.01    |
| 7) Phenol-d6                  | 6.639  | 99   | 484336   | 43.454 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.592  | 82   | 277899   | 28.081 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.869 | 330  | 105125   | 35.516 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.392  | 172  | 608827   | 31.947 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.157 | 244  | 502854   | 23.034 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.592  | 70   | 36228    | 5.785  | ng    | # 75     |
| 25) Isophorone                | 7.592  | 82   | 277948   | 16.183 | ng    | # 64     |
| 51) 2,6-Dinitrotoluene        | 10.080 | 165  | 40237    | 9.524  | ng    | # 30     |
| 57) 2,4-Dinitrotoluene        | 10.080 | 165  | 40237    | 7.367  | ng    | # 33     |
| 71) Phenanthrene              | 11.598 | 178  | 115197   | 5.788  | ng    | 99       |
| 75) Fluoranthene              | 12.792 | 202  | 72382    | 3.583  | ng    | 99       |
| 78) Pyrene                    | 13.021 | 202  | 138825   | 4.933  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.251 | 228  | 57692    | 2.834  | ng    | 92       |
| 83) Chrysene                  | 14.251 | 228  | 57692    | 2.963  | ng    | 95       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.403 | 276  | 40047    | 2.819  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.315 | 252  | 123672   | 9.660  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.315 | 252  | 123672   | 9.833  | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.715 | 252  | 72505    | 6.632  | ng    | # 93     |
| 92) Benzo(g,h,i)perylene      | 17.897 | 276  | 41184    | 3.340  | ng    | # 95     |
| -----                         |        |      |          |        |       |          |

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 15 04:12:16 2024  
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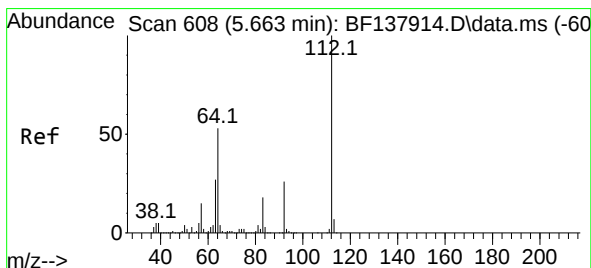
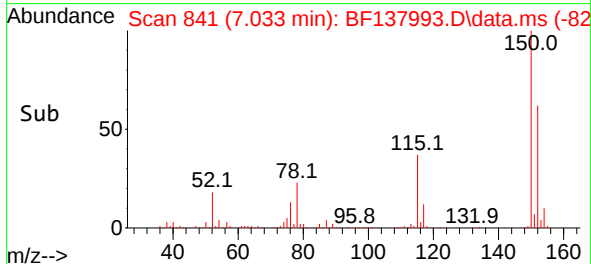
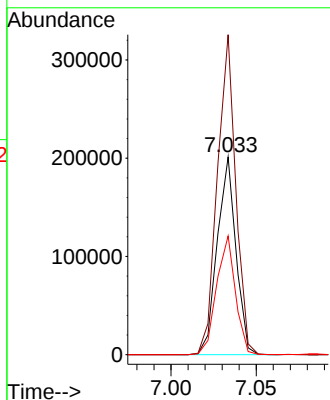
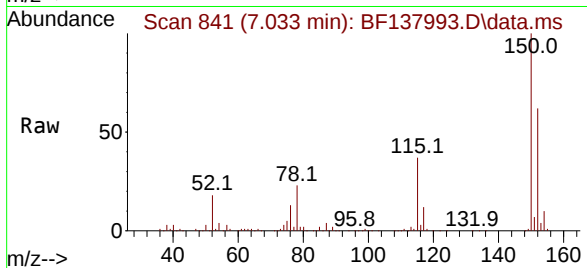




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.033 min Scan# 841  
Delta R.T. -0.012 min  
Lab File: BF137993.D  
Acq: 21 May 2024 22:46

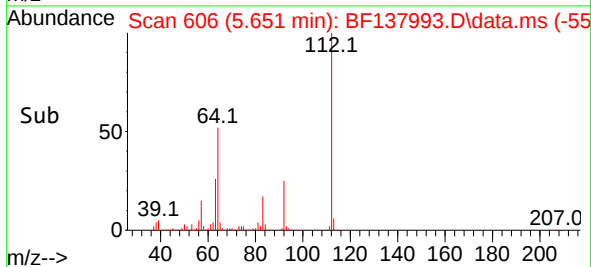
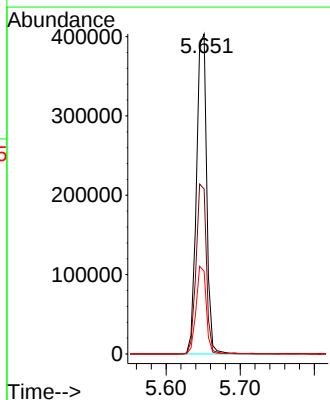
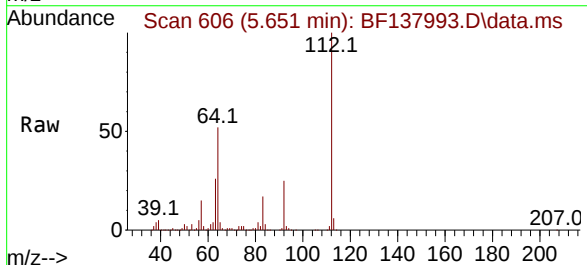
Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TPP

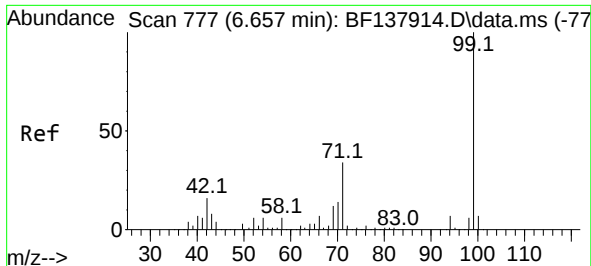
Tgt Ion:152 Resp: 153697  
Ion Ratio Lower Upper  
152 100  
150 161.7 125.7 188.5  
115 60.0 47.0 70.6



#5  
2-Fluorophenol  
Concen: 42.693 ng  
RT: 5.651 min Scan# 606  
Delta R.T. -0.012 min  
Lab File: BF137993.D  
Acq: 21 May 2024 22:46

Tgt Ion:112 Resp: 386299  
Ion Ratio Lower Upper  
112 100  
64 51.6 42.4 63.6  
63 25.8 21.4 32.2

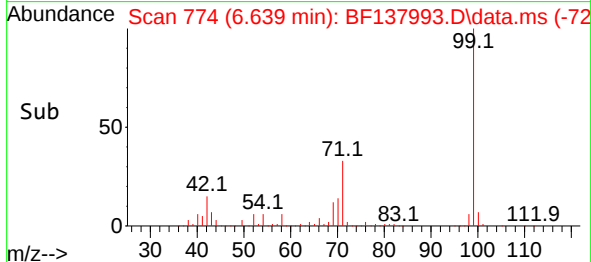
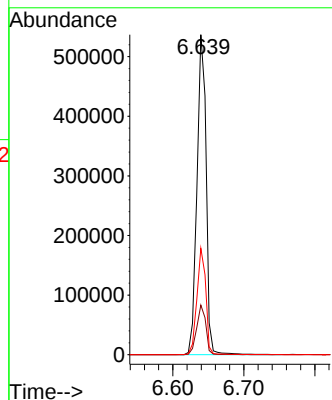
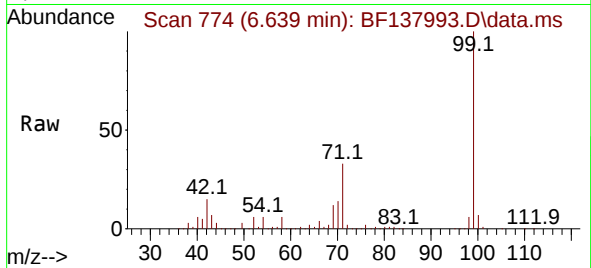




#7  
Phenol-d6  
Concen: 43.454 ng  
RT: 6.639 min Scan# 71  
Delta R.T. -0.018 min  
Lab File: BF137993.D  
Acq: 21 May 2024 22:46

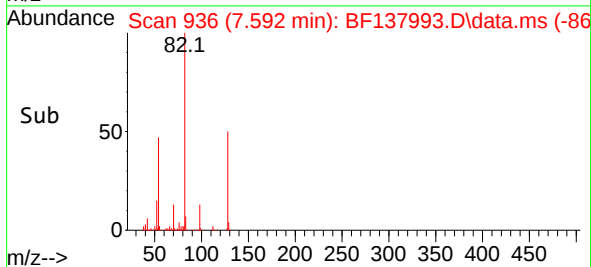
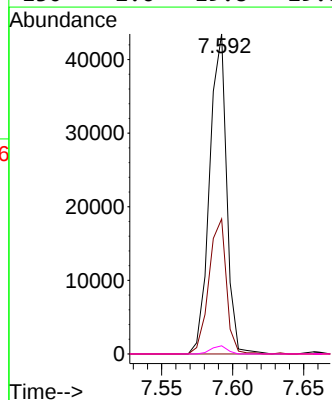
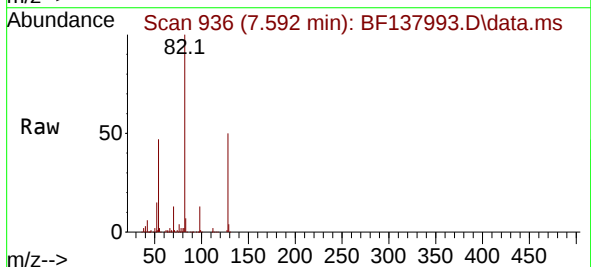
Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TPP

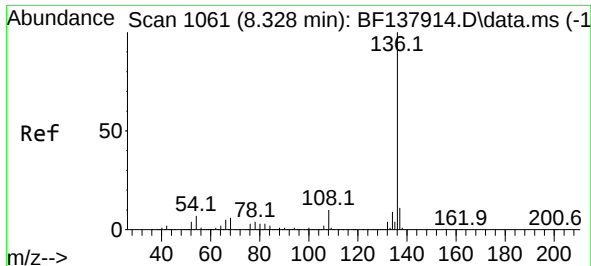
Tgt Ion: 99 Resp: 484336  
Ion Ratio Lower Upper  
99 100  
42 15.5 12.6 18.8  
71 33.3 27.1 40.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 5.785 ng  
RT: 7.592 min Scan# 936  
Delta R.T. 0.141 min  
Lab File: BF137993.D  
Acq: 21 May 2024 22:46

Tgt Ion: 70 Resp: 36228  
Ion Ratio Lower Upper  
70 100  
42 42.2 42.2 63.4#  
101 0.0 8.8 13.2#  
130 2.6 19.8 29.8#



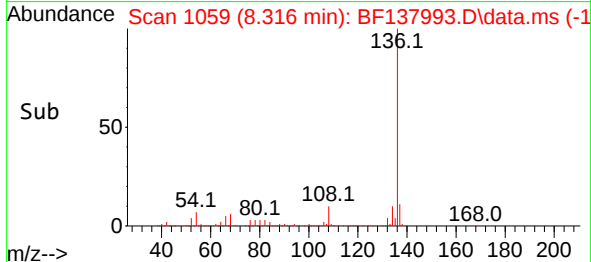
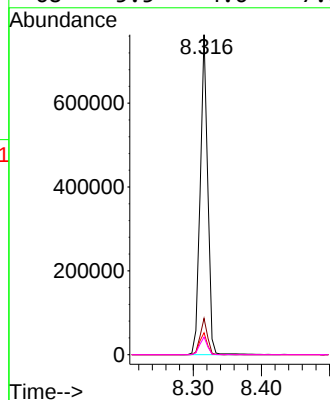
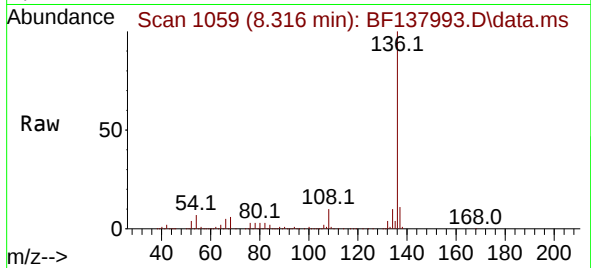


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.316 min Scan# 1059  
Delta R.T. -0.012 min  
Lab File: BF137993.D  
Acq: 21 May 2024 22:46

Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TPP

Tgt Ion:136 Resp: 582401

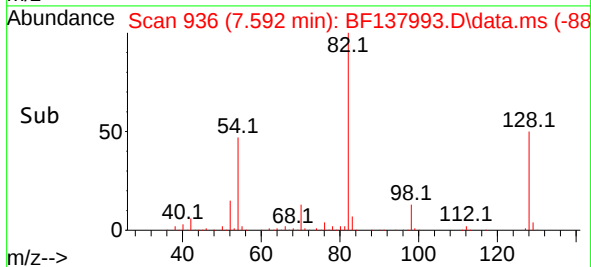
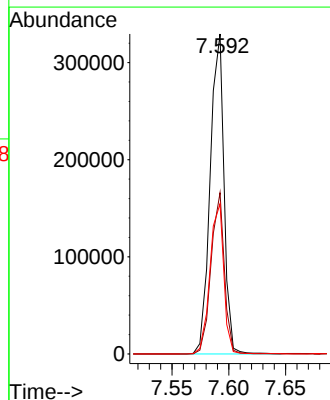
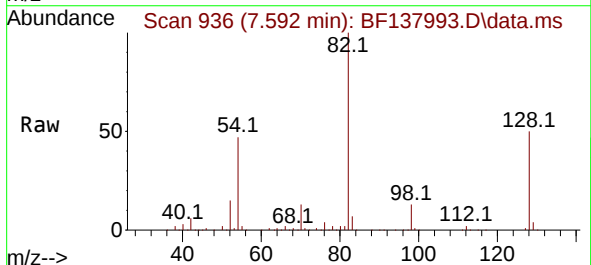
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.4  | 8.7   | 13.1  |
| 54  | 6.8   | 5.4   | 8.2   |
| 68  | 5.5   | 4.6   | 7.0   |



#23  
Nitrobenzene-d5  
Concen: 28.081 ng  
RT: 7.592 min Scan# 936  
Delta R.T. -0.018 min  
Lab File: BF137993.D  
Acq: 21 May 2024 22:46

Tgt Ion: 82 Resp: 277899

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 50.4  | 40.3  | 60.5  |
| 54  | 47.0  | 36.8  | 55.2  |

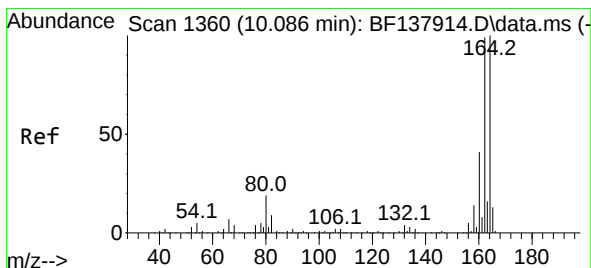
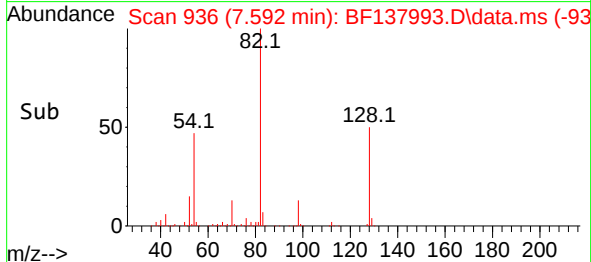
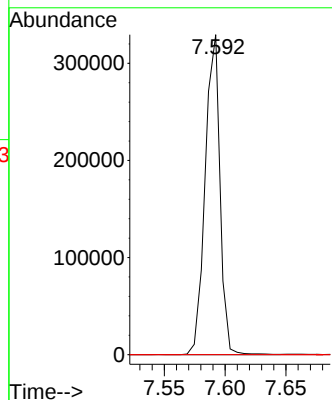
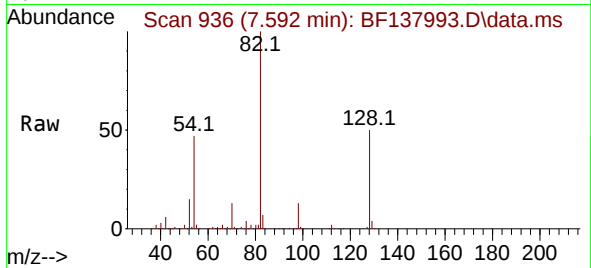




#25  
Isophorone  
Concen: 16.183 ng  
RT: 7.592 min Scan# 91  
Delta R.T. -0.265 min  
Lab File: BF137993.D  
Acq: 21 May 2024 22:46

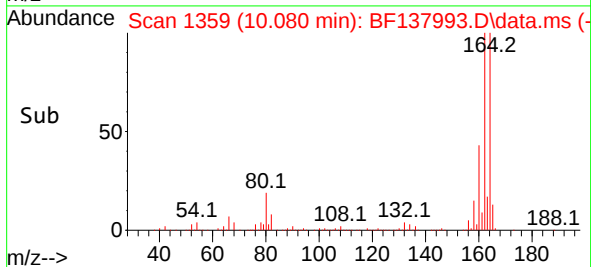
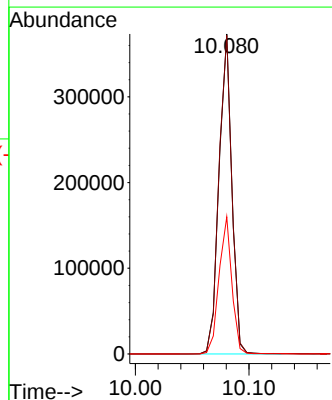
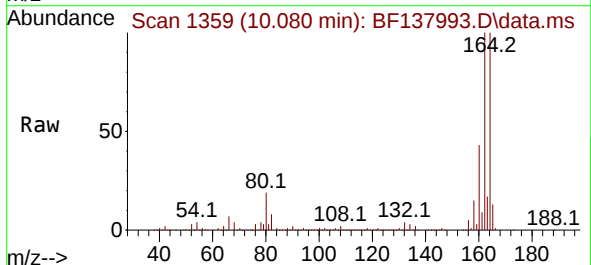
Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TPP

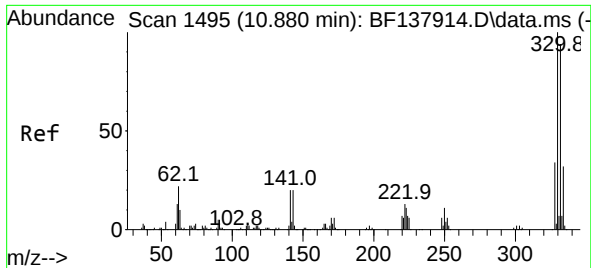
Tgt Ion: 82 Resp: 277948  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 15.0 22.4#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.080 min Scan# 1359  
Delta R.T. -0.006 min  
Lab File: BF137993.D  
Acq: 21 May 2024 22:46

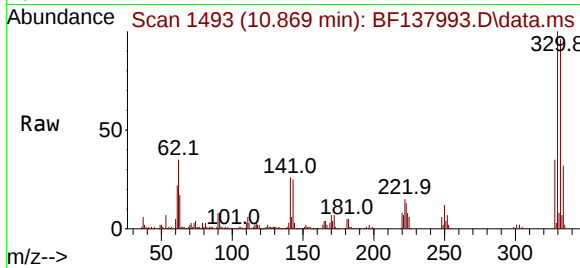
Tgt Ion:164 Resp: 293554  
Ion Ratio Lower Upper  
164 100  
162 99.5 79.4 119.2  
160 42.9 33.1 49.7



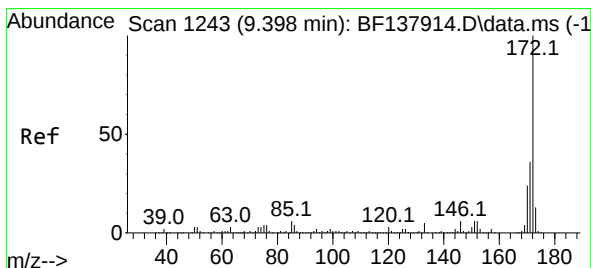
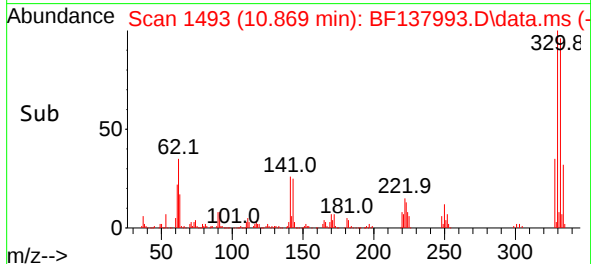
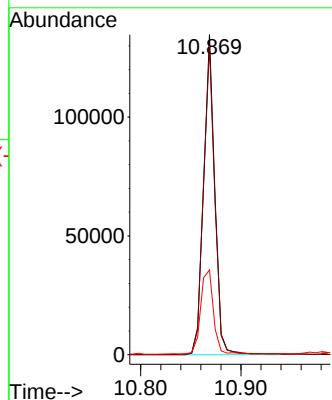


#42  
2,4,6-Tribromophenol  
Concen: 35.516 ng  
RT: 10.869 min Scan# 1493  
Delta R.T. -0.012 min  
Lab File: BF137993.D  
Acq: 21 May 2024 22:46

Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TPP

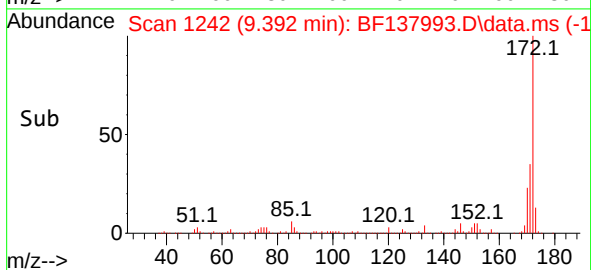
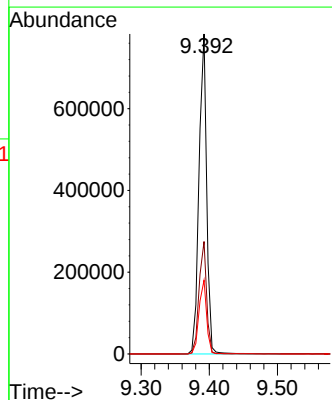
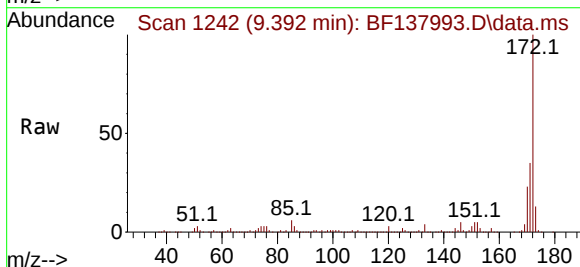


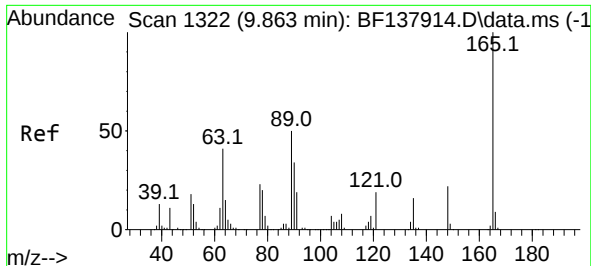
Tgt Ion:330 Resp: 105125  
Ion Ratio Lower Upper  
330 100  
332 98.0 75.8 113.8  
141 30.5 23.8 35.6



#45  
2-Fluorobiphenyl  
Concen: 31.947 ng  
RT: 9.392 min Scan# 1242  
Delta R.T. -0.006 min  
Lab File: BF137993.D  
Acq: 21 May 2024 22:46

Tgt Ion:172 Resp: 608827  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.9 43.3  
170 23.0 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 9.524 ng

RT: 10.080 min Scan# 1359

Delta R.T. 0.218 min

Lab File: BF137993.D

Acq: 21 May 2024 22:46

Instrument :

BNA\_F

ClientSampleId :

WCS-TPP

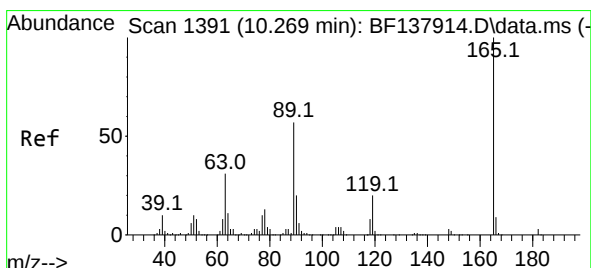
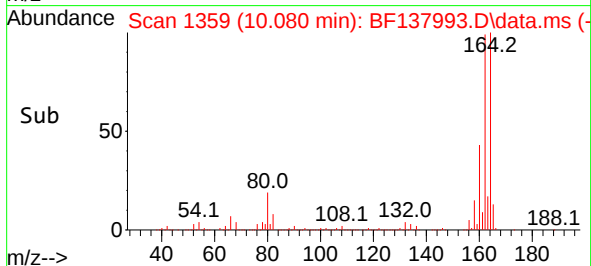
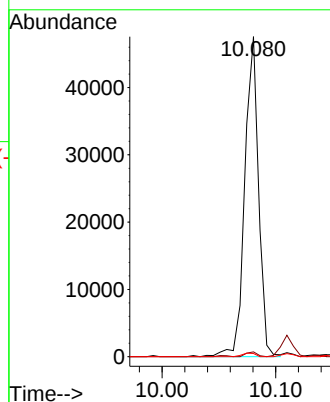
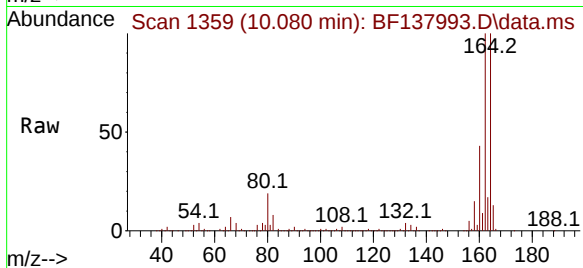
Tgt Ion:165 Resp: 40237

Ion Ratio Lower Upper

165 100

63 1.5 38.9 58.3#

89 1.0 40.4 60.6#



#57

2,4-Dinitrotoluene

Concen: 7.367 ng

RT: 10.080 min Scan# 1359

Delta R.T. -0.188 min

Lab File: BF137993.D

Acq: 21 May 2024 22:46

Tgt Ion:165 Resp: 40237

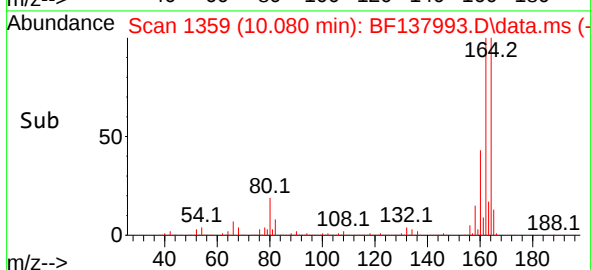
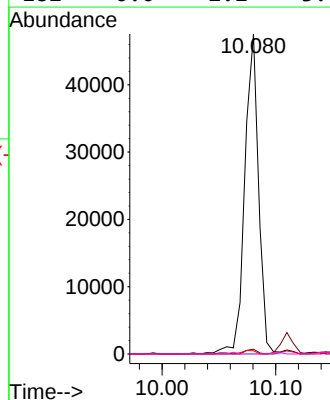
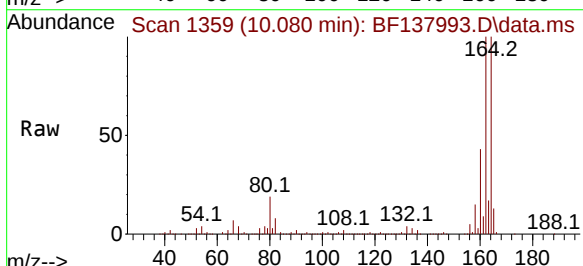
Ion Ratio Lower Upper

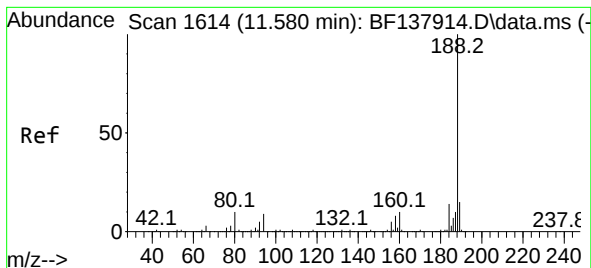
165 100

63 1.5 25.3 37.9#

89 1.0 45.9 68.9#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.574 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137993.D

Acq: 21 May 2024 22:46

Instrument :

BNA\_F

ClientSampleId :

WCS-TPP

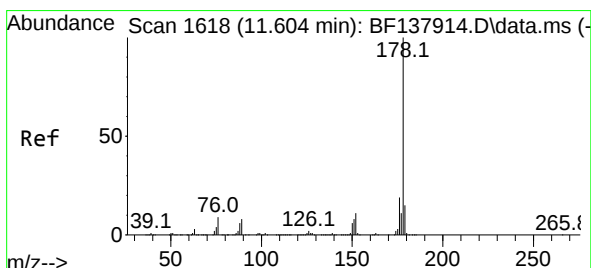
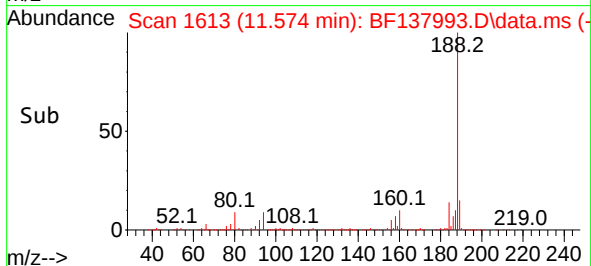
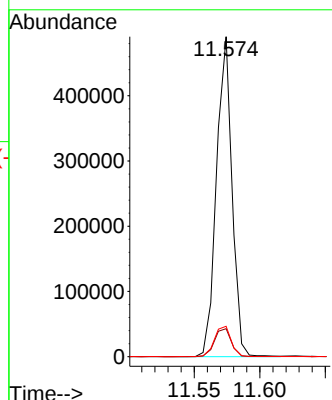
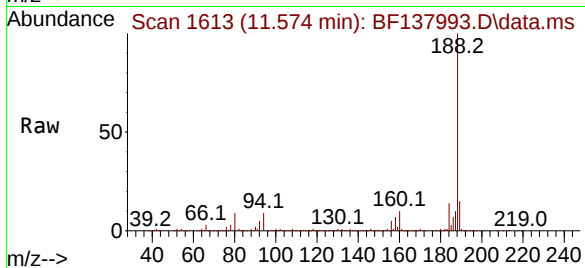
Tgt Ion:188 Resp: 403843

Ion Ratio Lower Upper

188 100

94 8.7 7.0 10.4

80 9.5 7.7 11.5



#71

Phenanthrene

Concen: 5.788 ng

RT: 11.598 min Scan# 1617

Delta R.T. -0.006 min

Lab File: BF137993.D

Acq: 21 May 2024 22:46

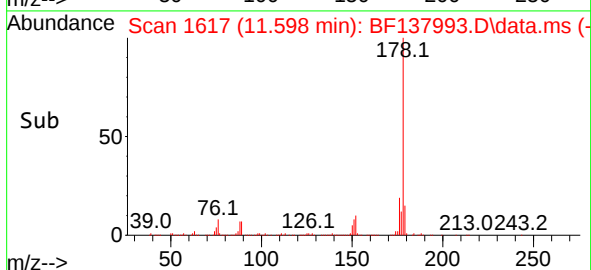
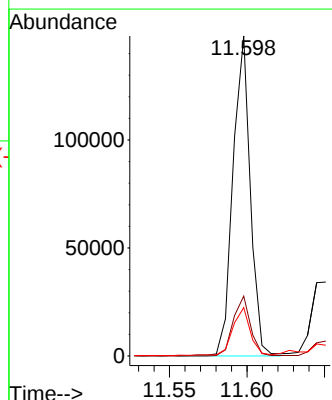
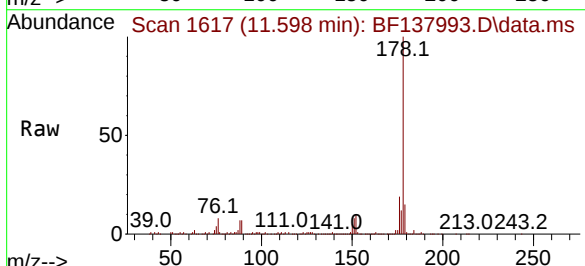
Tgt Ion:178 Resp: 115197

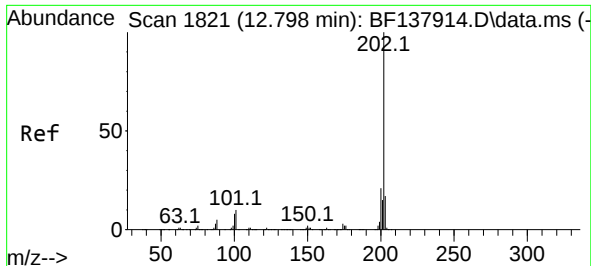
Ion Ratio Lower Upper

178 100

176 18.7 15.2 22.8

179 15.1 12.2 18.4

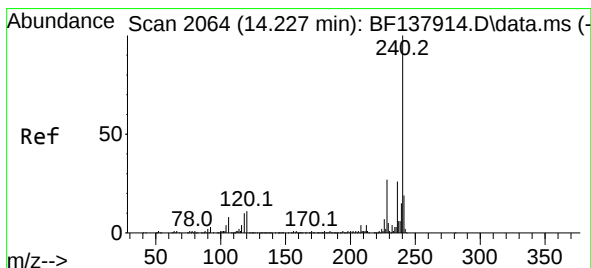
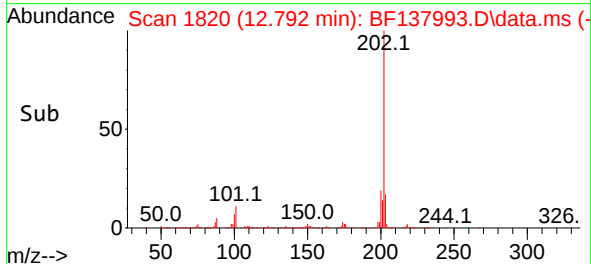
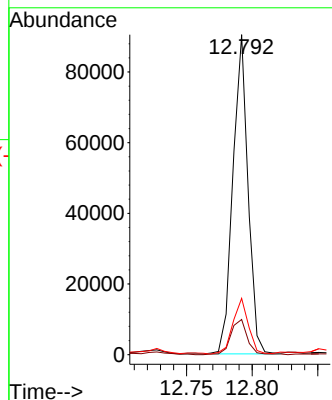
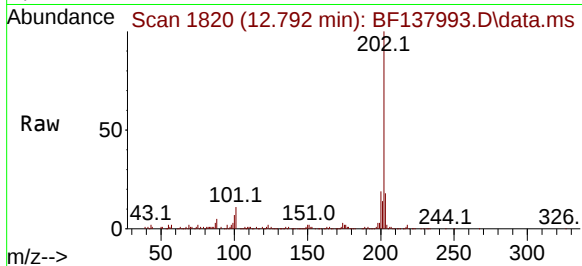




#75  
Fluoranthene  
Concen: 3.583 ng  
RT: 12.792 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF137993.D  
Acq: 21 May 2024 22:46

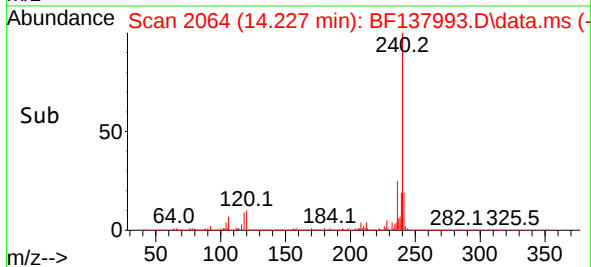
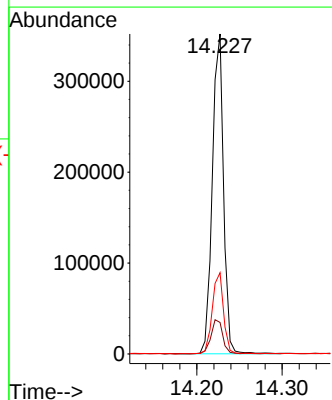
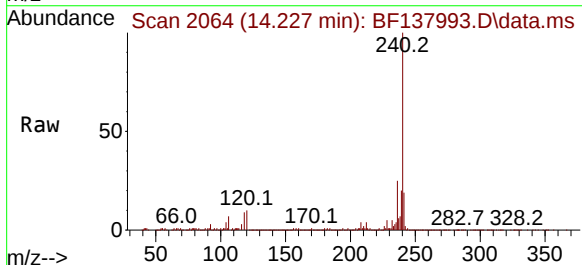
Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TPP

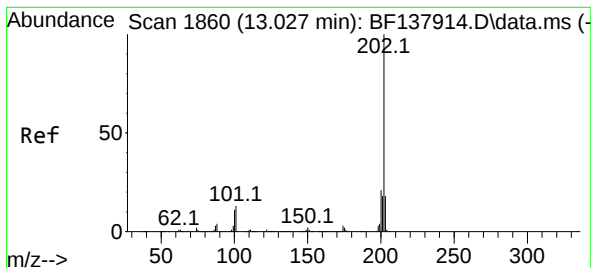
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 72382 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 11.0  | 0.0   | 30.5  |
| 203       | 17.6  | 0.0   | 37.3  |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.227 min Scan# 2064  
Delta R.T. -0.000 min  
Lab File: BF137993.D  
Acq: 21 May 2024 22:46

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 321745 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 9.9   | 8.9   | 13.3   |
| 236       | 25.4  | 21.0  | 31.4   |





#78

Pyrene

Concen: 4.933 ng

RT: 13.021 min Scan# 1859

Delta R.T. -0.006 min

Lab File: BF137993.D

Acq: 21 May 2024 22:46

Instrument :

BNA\_F

ClientSampleId :

WCS-TPP

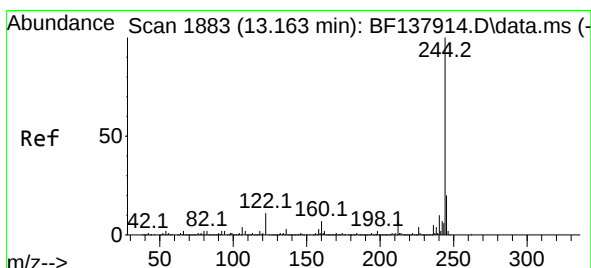
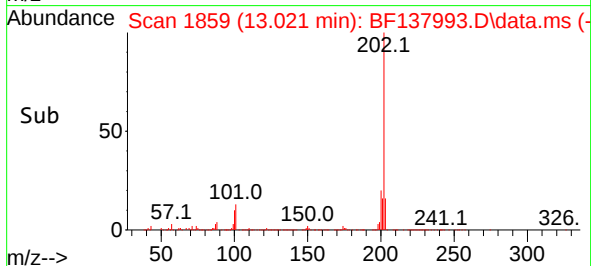
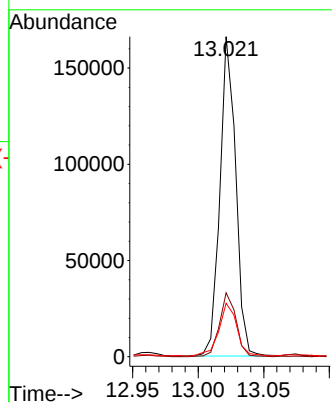
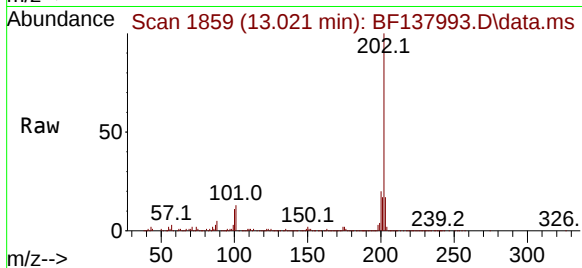
Tgt Ion:202 Resp: 138825

Ion Ratio Lower Upper

202 100

200 20.0 17.0 25.4

203 16.7 14.1 21.1



#79

Terphenyl-d14

Concen: 23.034 ng

RT: 13.157 min Scan# 1882

Delta R.T. -0.006 min

Lab File: BF137993.D

Acq: 21 May 2024 22:46

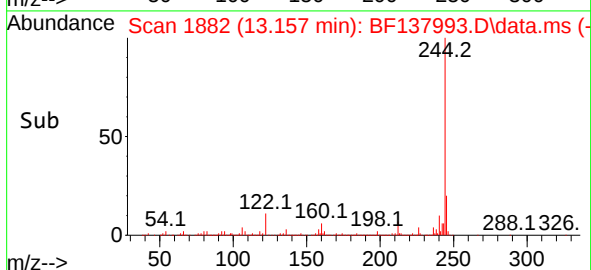
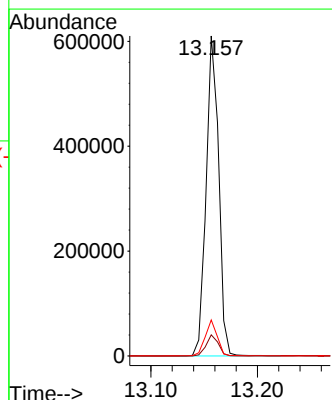
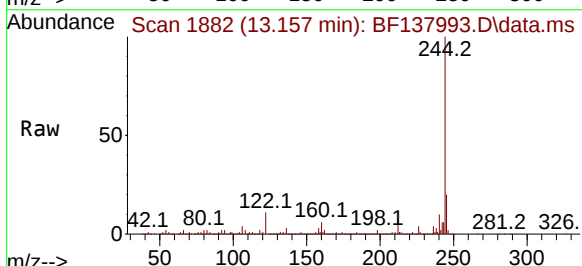
Tgt Ion:244 Resp: 502854

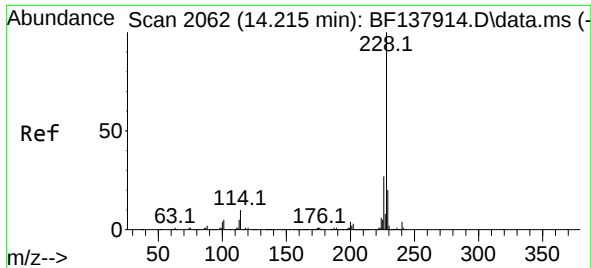
Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 11.2 8.8 13.2

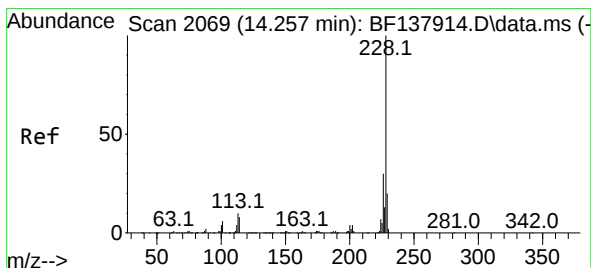
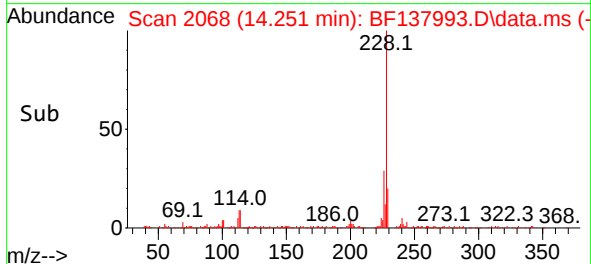
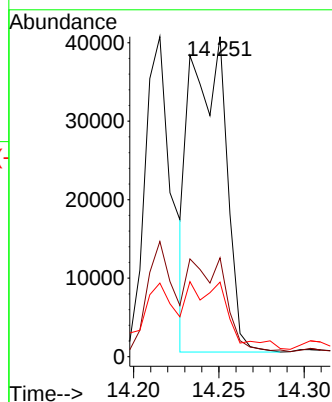
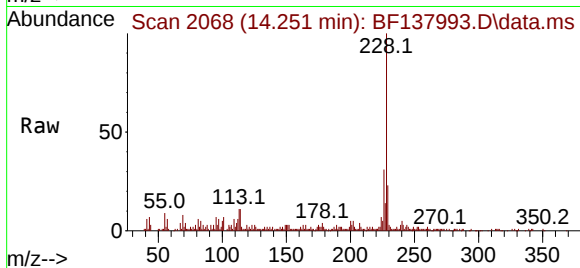




#81  
Benzo(a)anthracene  
Concen: 2.834 ng  
RT: 14.251 min Scan# 2068  
Delta R.T. 0.035 min  
Lab File: BF137993.D  
Acq: 21 May 2024 22:46

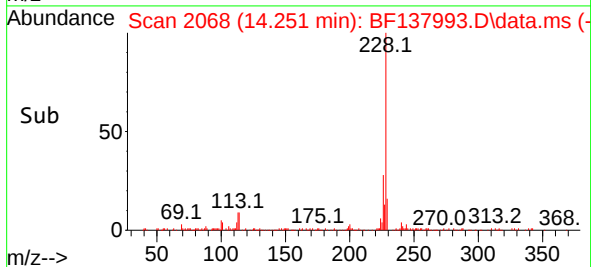
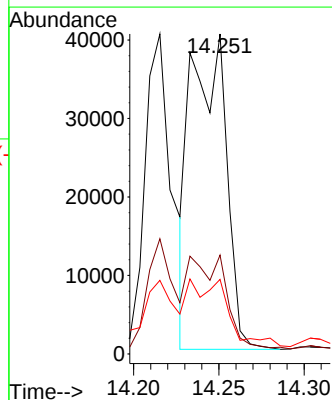
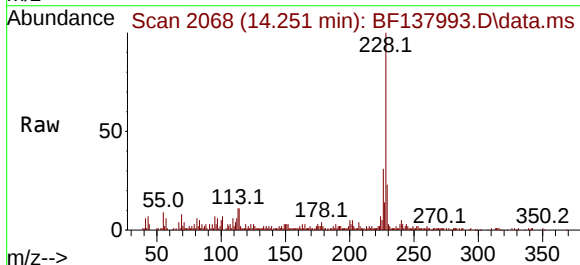
Instrument :  
BNA\_F  
ClientSampleId :  
WCS-TPP

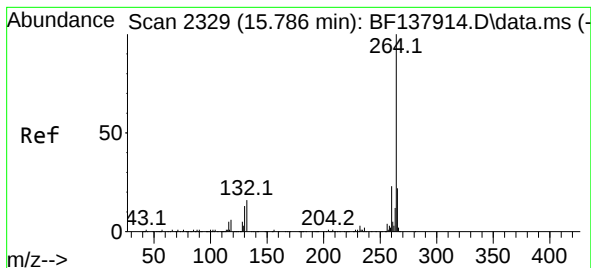
Tgt Ion:228 Resp: 57692  
Ion Ratio Lower Upper  
228 100  
226 30.9 21.3 31.9  
229 23.3 15.7 23.5



#83  
Chrysene  
Concen: 2.963 ng  
RT: 14.251 min Scan# 2068  
Delta R.T. -0.006 min  
Lab File: BF137993.D  
Acq: 21 May 2024 22:46

Tgt Ion:228 Resp: 57692  
Ion Ratio Lower Upper  
228 100  
226 30.9 23.8 35.8  
229 23.3 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.786 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF137993.D

Acq: 21 May 2024 22:46

Instrument :

BNA\_F

ClientSampleId :

WCS-TPP

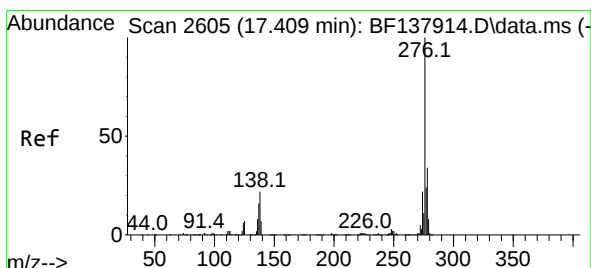
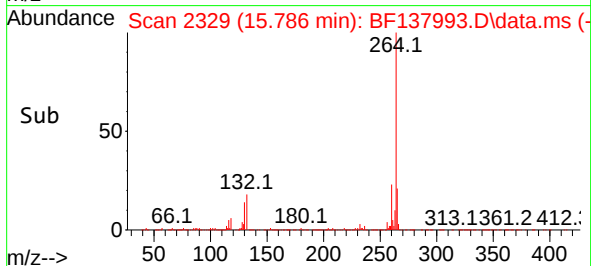
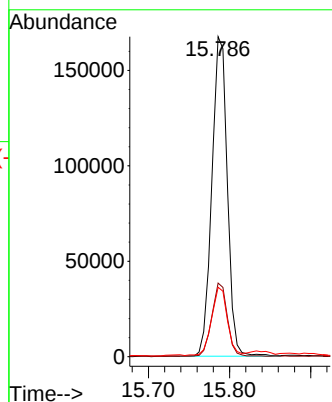
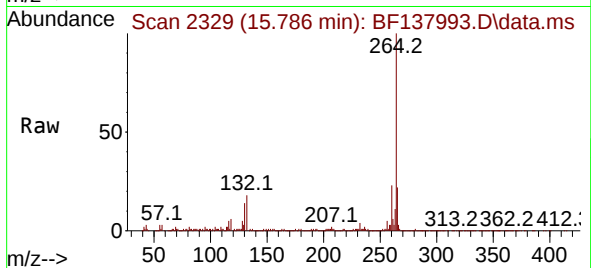
Tgt Ion:264 Resp: 221111

Ion Ratio Lower Upper

264 100

260 23.0 18.3 27.5

265 21.7 17.6 26.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.819 ng

RT: 17.403 min Scan# 2604

Delta R.T. -0.006 min

Lab File: BF137993.D

Acq: 21 May 2024 22:46

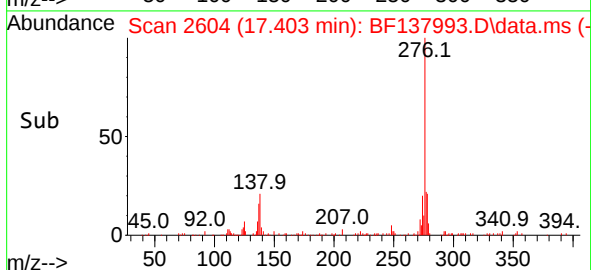
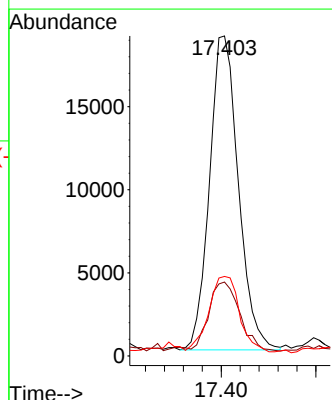
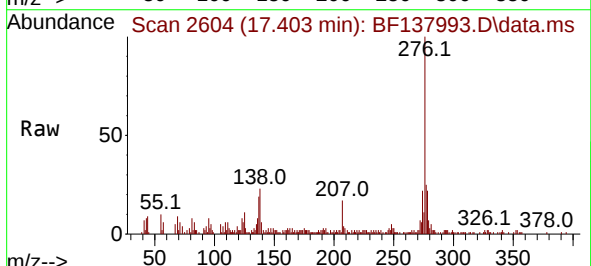
Tgt Ion:276 Resp: 40047

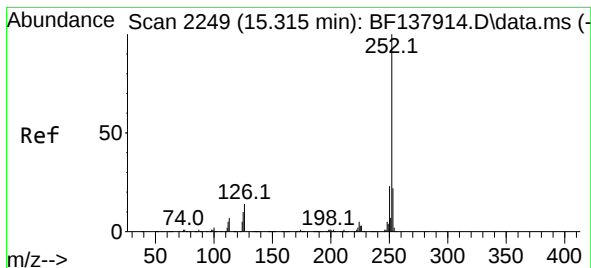
Ion Ratio Lower Upper

276 100

138 23.4 20.6 30.8

277 25.3 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 9.660 ng

RT: 15.315 min Scan# 2249

Delta R.T. -0.000 min

Lab File: BF137993.D

Acq: 21 May 2024 22:46

Instrument :

BNA\_F

ClientSampleId :

WCS-TPP

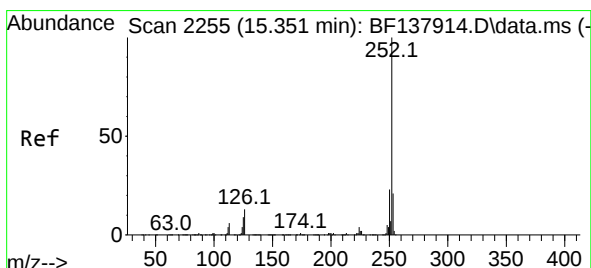
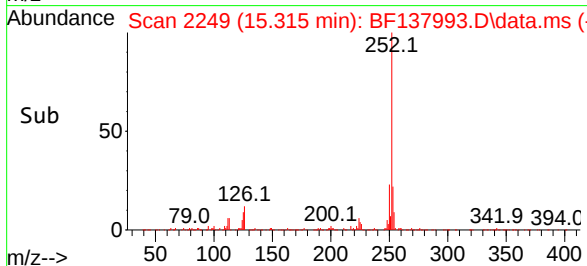
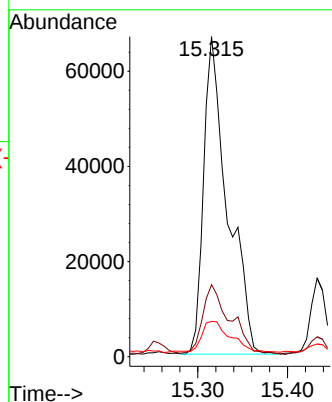
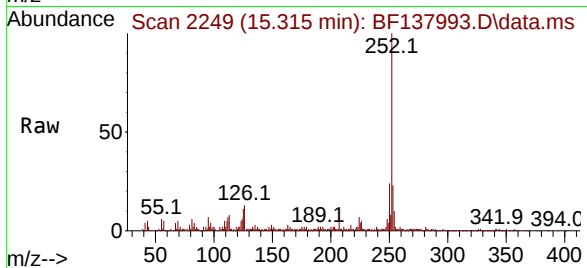
Tgt Ion:252 Resp: 123672

Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

125 11.0 8.2 12.4



#89

Benzo(k)fluoranthene

Concen: 9.833 ng

RT: 15.315 min Scan# 2249

Delta R.T. -0.035 min

Lab File: BF137993.D

Acq: 21 May 2024 22:46

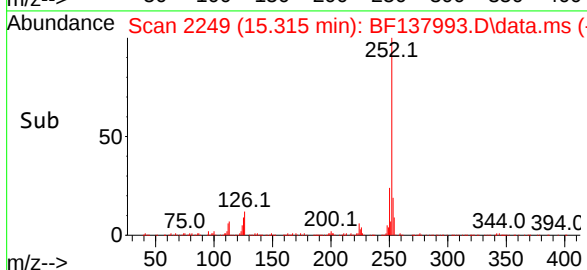
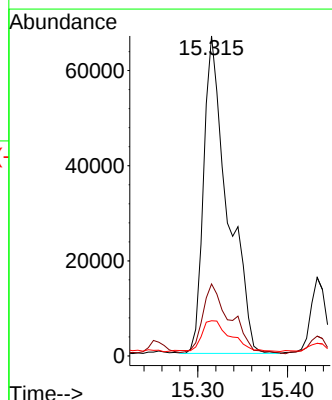
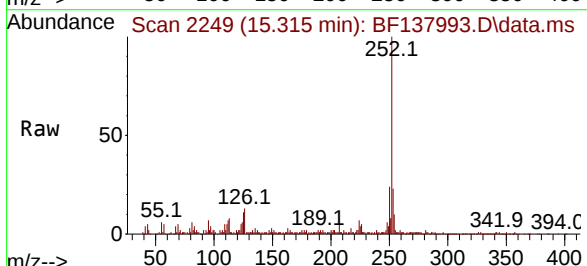
Tgt Ion:252 Resp: 123672

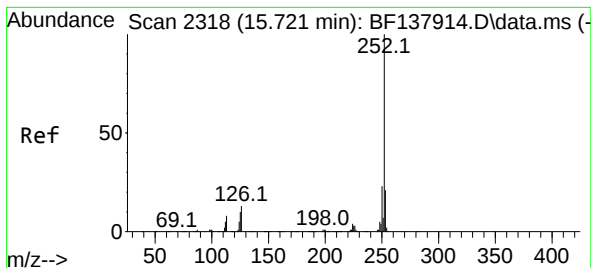
Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 11.0 7.7 11.5





#90

Benzo(a)pyrene

Concen: 6.632 ng

RT: 15.715 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137993.D

Acq: 21 May 2024 22:46

Instrument :

BNA\_F

ClientSampleId :

WCS-TPP

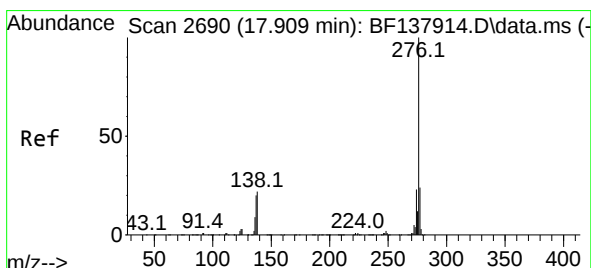
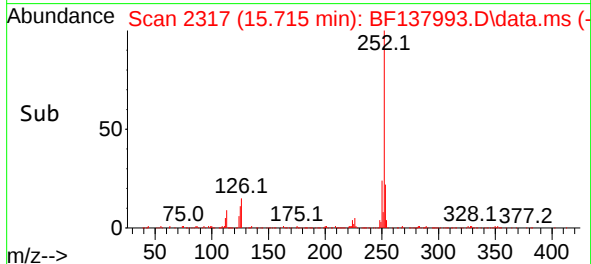
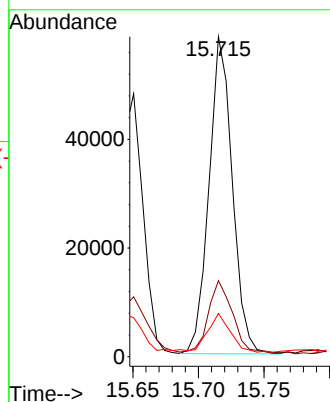
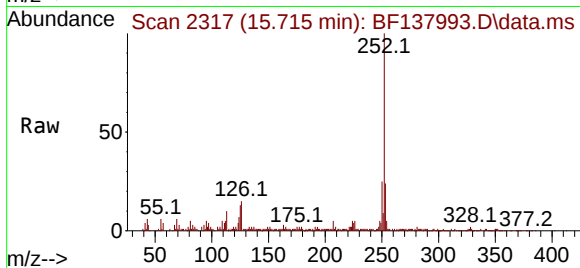
Tgt Ion:252 Resp: 72505

Ion Ratio Lower Upper

252 100

253 23.7 17.0 25.6

125 13.5 7.8 11.8#



#92

Benzo(g,h,i)perylene

Concen: 3.340 ng

RT: 17.897 min Scan# 2688

Delta R.T. -0.012 min

Lab File: BF137993.D

Acq: 21 May 2024 22:46

Tgt Ion:276 Resp: 41184

Ion Ratio Lower Upper

276 100

277 24.0 18.9 28.3

138 27.0 17.6 26.4#

