

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022425\  
 Data File : BF141750.D  
 Acq On : 24 Feb 2025 18:07  
 Operator : RC/JU  
 Sample : Q1413-01 2X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-2-022125

Quant Time: Feb 25 00:10:38 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 06 16:58:59 2025  
 Response via : Initial Calibration

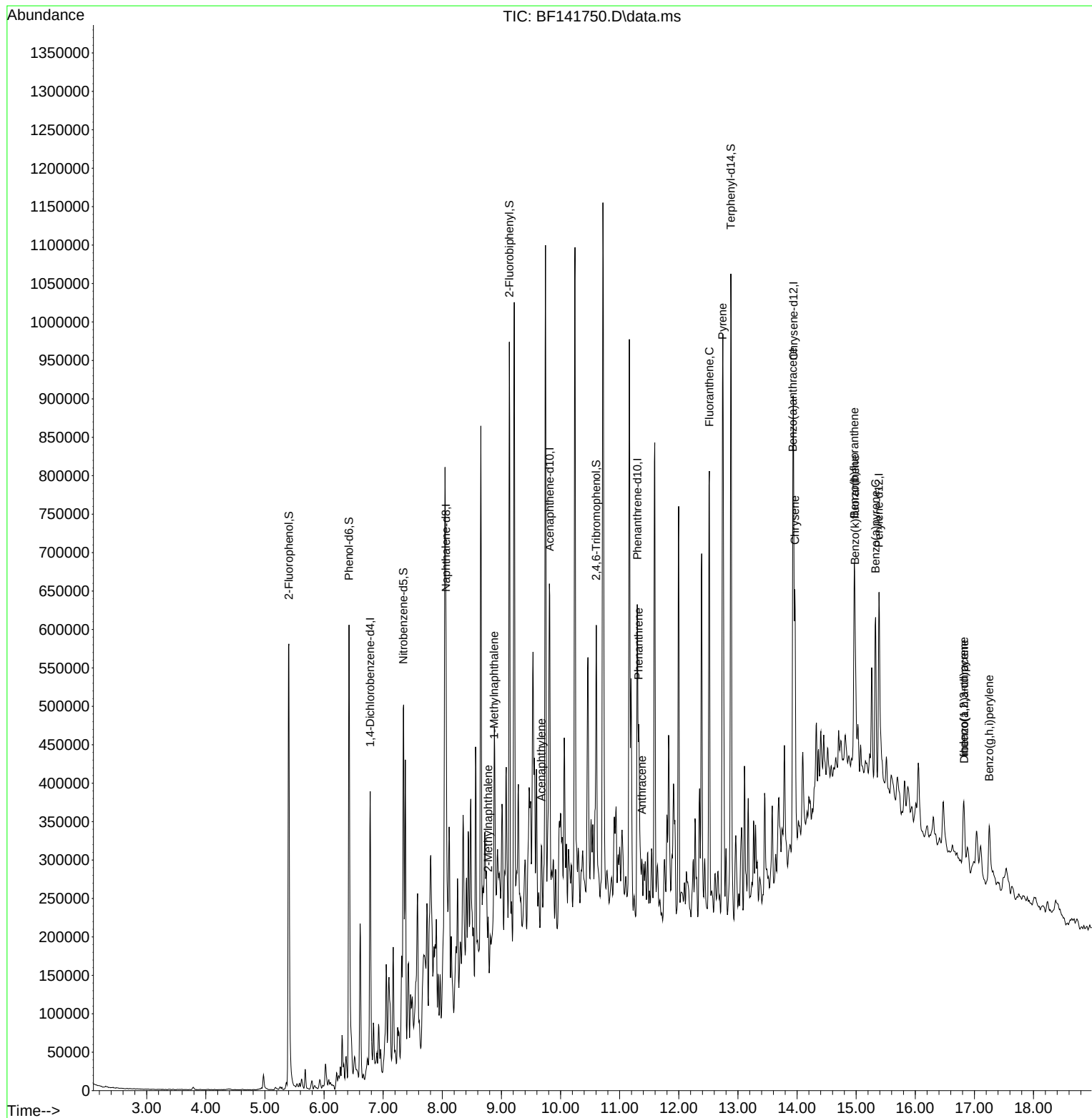
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.781  | 152  | 72892    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.063  | 136  | 250532   | 20.000 | ng    | #-0.01   |
| 39) Acenaphthene-d10        | 9.816  | 164  | 116427   | 20.000 | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.298 | 188  | 194945   | 20.000 | ng    | -0.02    |
| 76) Chrysene-d12            | 13.939 | 240  | 169892   | 20.000 | ng    | -0.02    |
| 86) Perylene-d12            | 15.386 | 264  | 126011   | 20.000 | ng    | -0.03    |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.404  | 112  | 268506   | 57.750 | ng    | 0.00     |
| 7) Phenol-d6                | 6.422  | 99   | 312931   | 53.251 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.340  | 82   | 194187   | 40.428 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.604 | 330  | 61180    | 52.310 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.134  | 172  | 339255   | 44.893 | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.880 | 244  | 406114   | 40.354 | ng    | -0.02    |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 37) 2-Methylnaphthalene     | 8.775  | 142  | 22119    | 2.606  | ng    | 98       |
| 38) 1-Methylnaphthalene     | 8.875  | 142  | 17316    | 2.107  | ng    | 86       |
| 49) Acenaphthylene          | 9.675  | 152  | 35987    | 3.625  | ng    | # 93     |
| 71) Phenanthrene            | 11.322 | 178  | 119589   | 11.144 | ng    | 99       |
| 72) Anthracene              | 11.375 | 178  | 27571m   | 2.556  | ng    |          |
| 75) Fluoranthene            | 12.516 | 202  | 339190   | 29.814 | ng    | 99       |
| 78) Pyrene                  | 12.739 | 202  | 395521   | 27.348 | ng    | 99       |
| 81) Benzo(a)anthracene      | 13.927 | 228  | 198301   | 17.559 | ng    | 94       |
| 83) Chrysene                | 13.963 | 228  | 188085   | 18.037 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 16.821 | 276  | 65384    | 8.398  | ng    | 95       |
| 88) Benzo(b)fluoranthene    | 14.968 | 252  | 150858m  | 17.830 | ng    |          |
| 89) Benzo(k)fluoranthene    | 14.980 | 252  | 77069m   | 10.667 | ng    |          |
| 90) Benzo(a)pyrene          | 15.327 | 252  | 120505   | 17.601 | ng    | # 95     |
| 91) Dibenzo(a,h)anthracene  | 16.827 | 278  | 18585    | 2.946  | ng    | # 71     |
| 92) Benzo(g,h,i)perylene    | 17.251 | 276  | 67552    | 10.232 | ng    | 93       |
| -----                       |        |      |          |        |       |          |

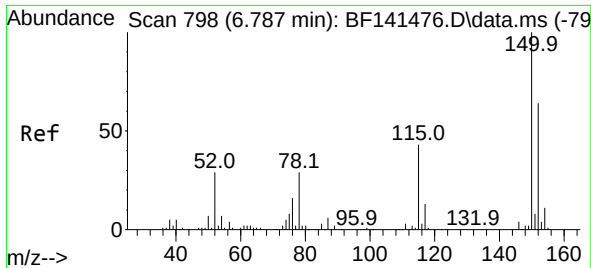
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022425\  
Data File : BF141750.D  
Acq On : 24 Feb 2025 18:07  
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Sample : Q1413-01 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-2-022125

Quant Time: Feb 25 00:10:38 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Feb 06 16:58:59 2025  
Response via : Initial Calibration

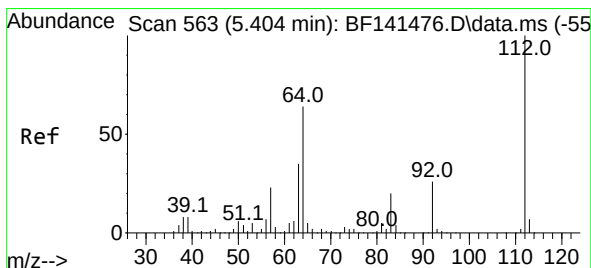
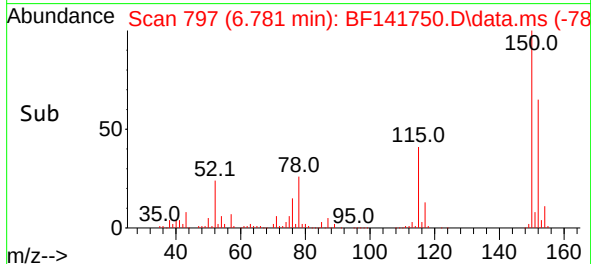
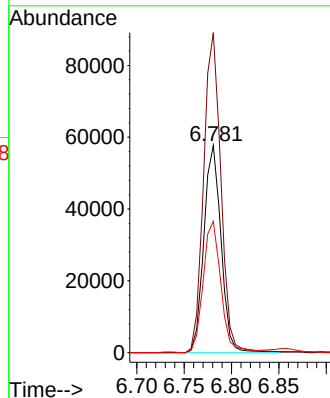
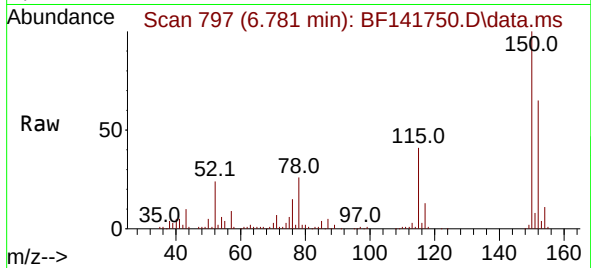




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.781 min Scan# 798  
 Delta R.T. -0.011 min  
 Lab File: BF141750.D  
 Acq: 24 Feb 2025 18:07

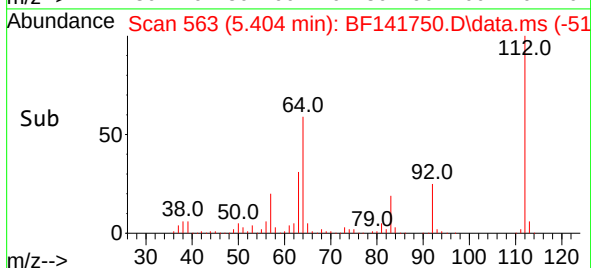
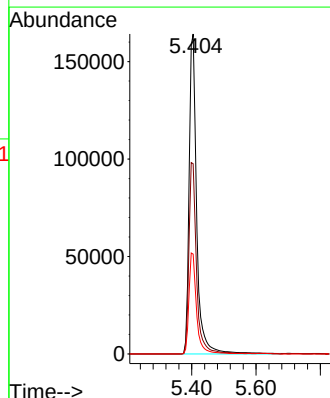
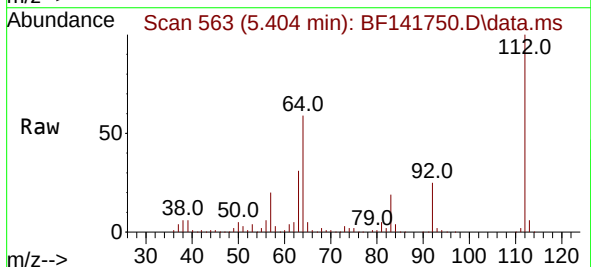
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 BNA\_F  
 ClientSampleId :  
 BU-2-022125

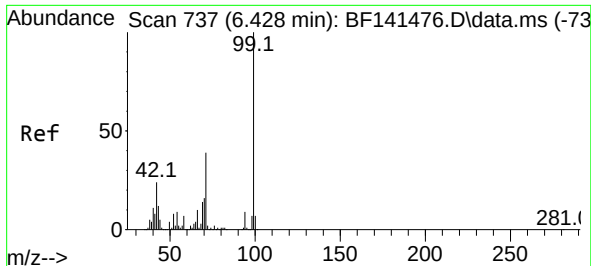
Tgt Ion:152 Resp: 72892  
 Ion Ratio Lower Upper  
 152 100  
 150 154.5 125.0 187.4  
 115 63.4 53.6 80.4



#5  
 2-Fluorophenol  
 Concen: 57.750 ng  
 RT: 5.404 min Scan# 563  
 Delta R.T. -0.006 min  
 Lab File: BF141750.D  
 Acq: 24 Feb 2025 18:07

Tgt Ion:112 Resp: 268506  
 Ion Ratio Lower Upper  
 112 100  
 64 59.5 51.1 76.7  
 63 31.2 28.4 42.6

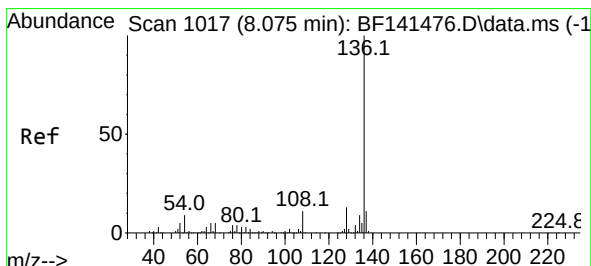
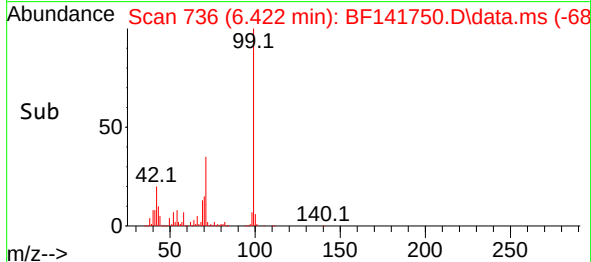
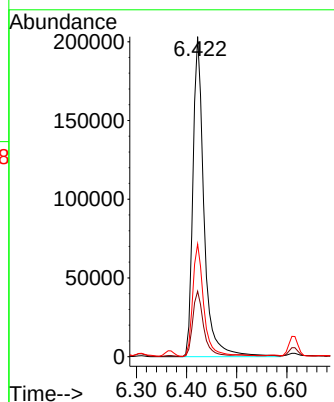
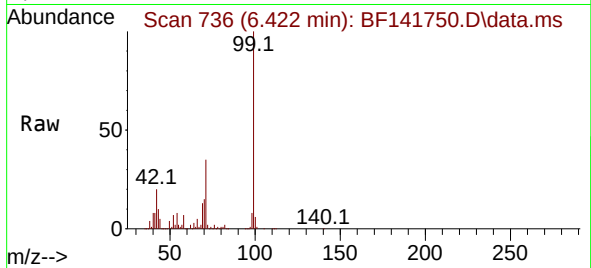




#7  
Phenol-d6  
Concen: 53.251 ng  
RT: 6.422 min Scan# 71  
Delta R.T. -0.017 min  
Lab File: BF141750.D  
Acq: 24 Feb 2025 18:07

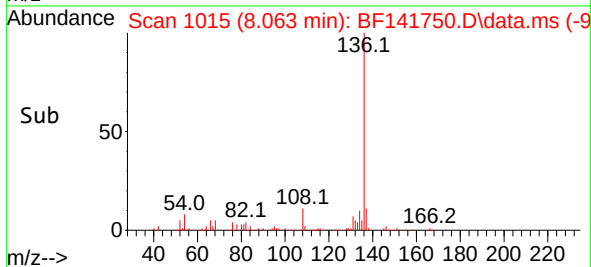
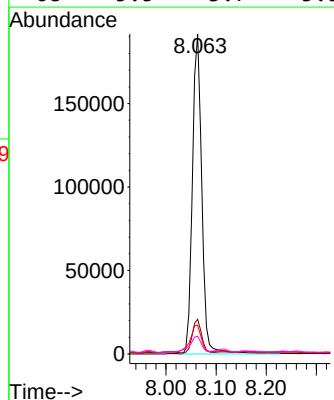
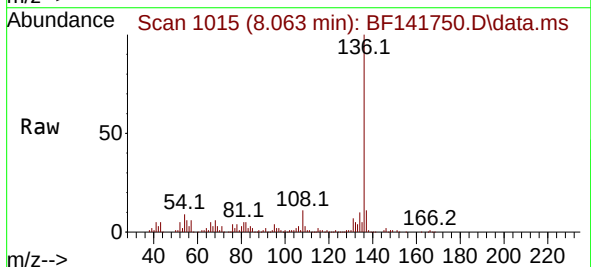
Instrument :  
BNA\_F  
ClientSampleId :  
BU-2-022125

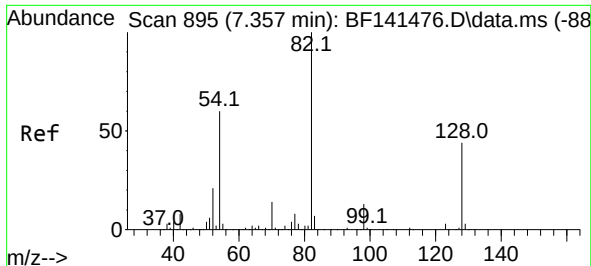
Tgt Ion: 99 Resp: 312931  
Ion Ratio Lower Upper  
99 100  
42 20.5 19.1 28.7  
71 35.2 31.1 46.7



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.063 min Scan# 1015  
Delta R.T. -0.012 min  
Lab File: BF141750.D  
Acq: 24 Feb 2025 18:07

Tgt Ion: 136 Resp: 250532  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 13.0  
54 9.0 7.2 10.8  
68 5.5 3.7 5.5#





#23

Nitrobenzene-d5

Concen: 40.428 ng

RT: 7.340 min Scan# 89

Delta R.T. -0.023 min

Lab File: BF141750.D

Acq: 24 Feb 2025 18:07

Instrument :

BNA\_F

ClientSampleId :

BU-2-022125

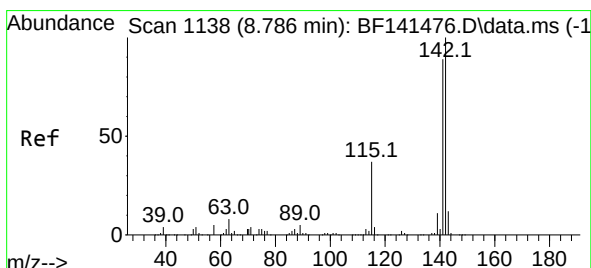
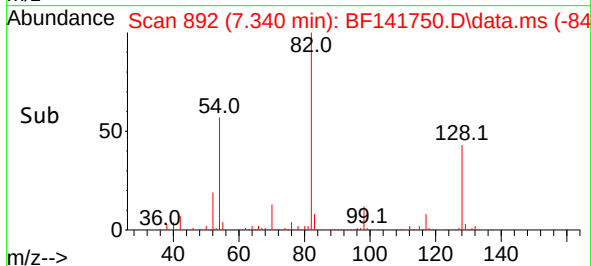
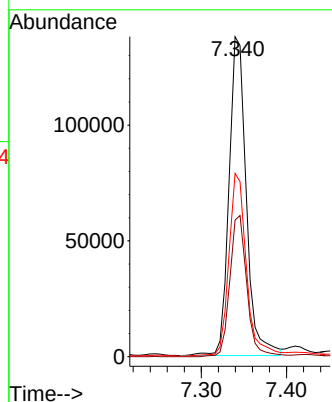
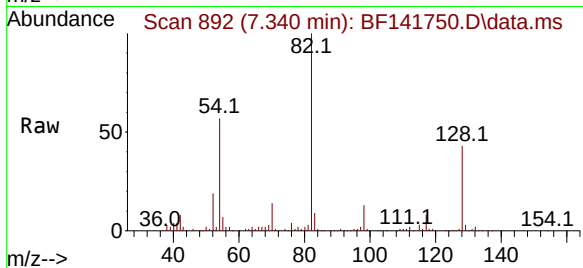
Tgt Ion: 82 Resp: 194187

Ion Ratio Lower Upper

82 100

128 42.7 34.8 52.2

54 57.3 48.2 72.4



#37

2-Methylnaphthalene

Concen: 2.606 ng

RT: 8.775 min Scan# 1136

Delta R.T. -0.012 min

Lab File: BF141750.D

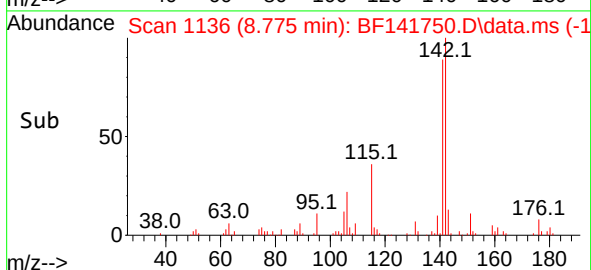
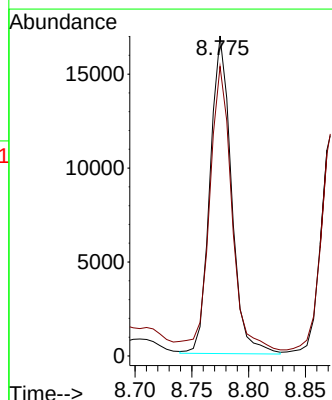
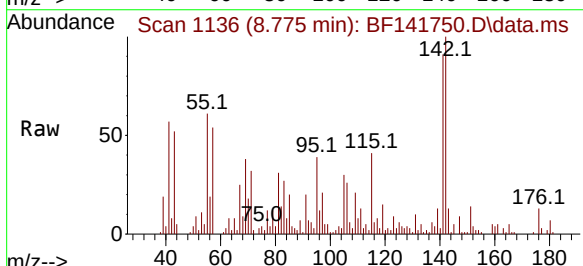
Acq: 24 Feb 2025 18:07

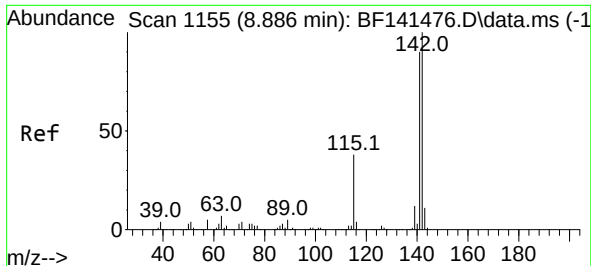
Tgt Ion:142 Resp: 22119

Ion Ratio Lower Upper

142 100

141 90.5 71.2 106.8

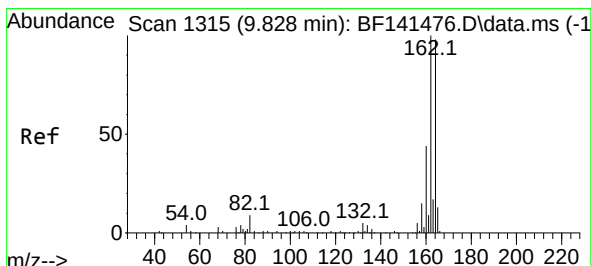
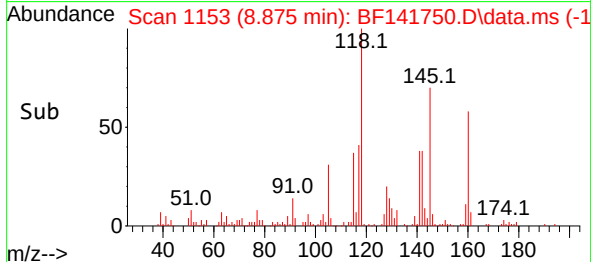
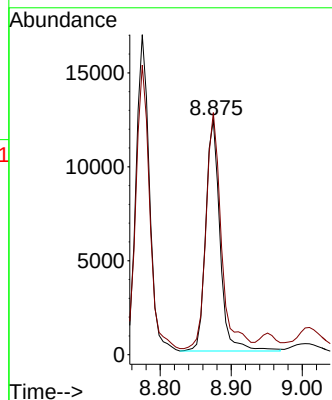
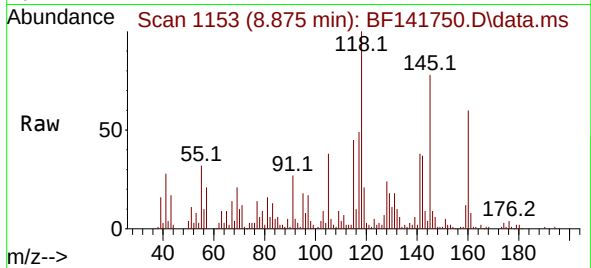




#38  
1-Methylnaphthalene  
Concen: 2.107 ng  
RT: 8.875 min Scan# 1155  
Delta R.T. -0.012 min  
Lab File: BF141750.D  
Acq: 24 Feb 2025 18:07

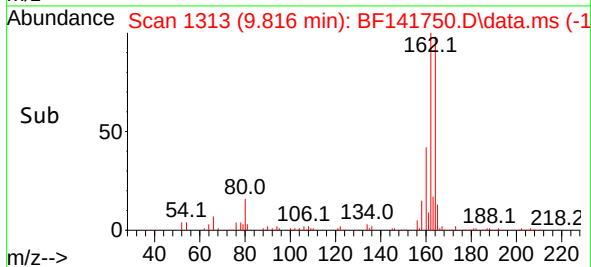
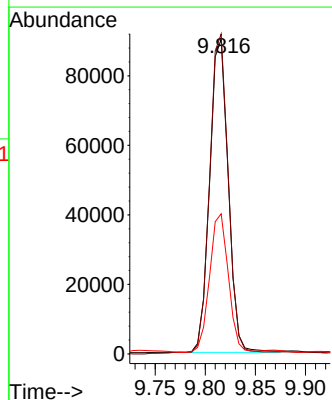
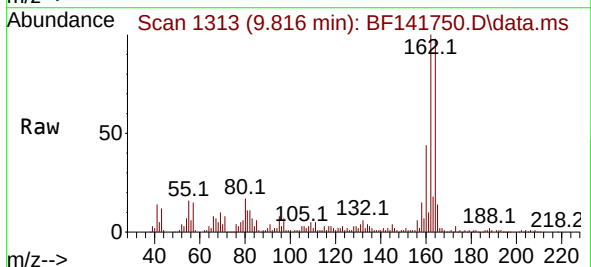
Instrument :  
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ClientSampleId :  
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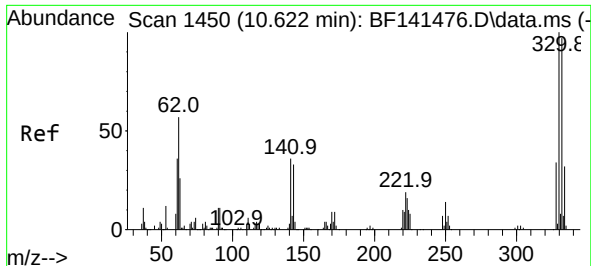
Tgt Ion:142 Resp: 17316  
Ion Ratio Lower Upper  
142 100  
141 103.1 72.1 108.1



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.816 min Scan# 1313  
Delta R.T. -0.017 min  
Lab File: BF141750.D  
Acq: 24 Feb 2025 18:07

Tgt Ion:164 Resp: 116427  
Ion Ratio Lower Upper  
164 100  
162 101.7 81.3 121.9  
160 44.5 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 52.310 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.023 min

Lab File: BF141750.D

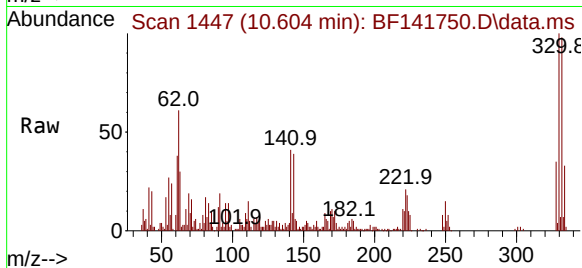
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Instrument :

BNA\_F

ClientSampleId :

BU-2-022125



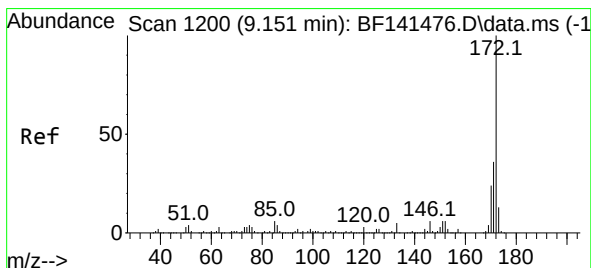
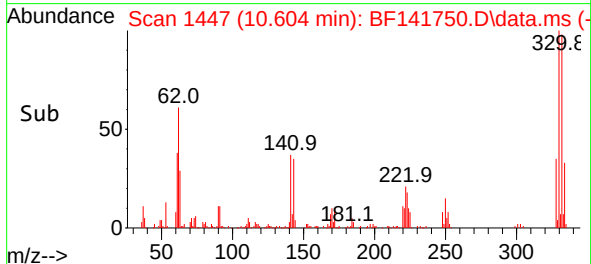
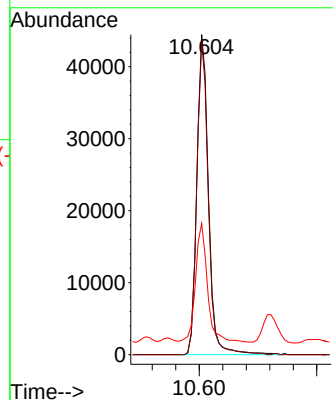
Tgt Ion:330 Resp: 61180

Ion Ratio Lower Upper

330 100

332 96.8 78.5 117.7

141 37.9 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 44.893 ng

RT: 9.134 min Scan# 1197

Delta R.T. -0.017 min

Lab File: BF141750.D

Acq: 24 Feb 2025 18:07

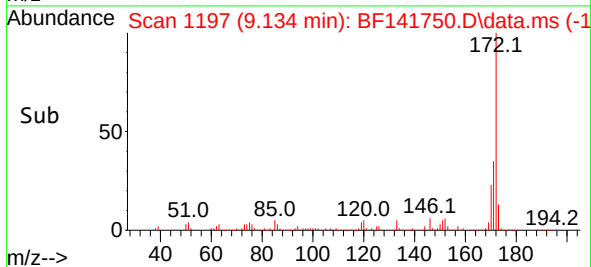
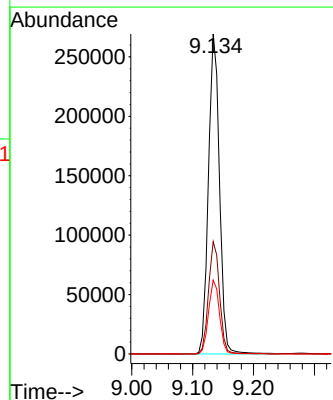
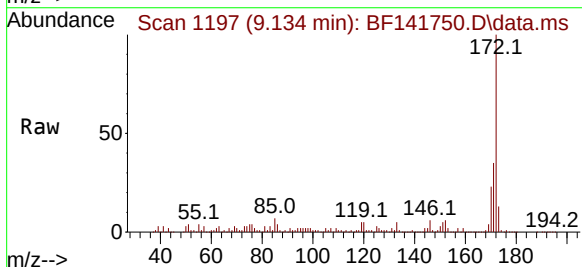
Tgt Ion:172 Resp: 339255

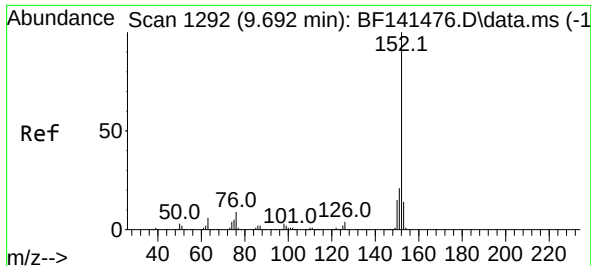
Ion Ratio Lower Upper

172 100

171 35.1 28.7 43.1

170 23.1 18.9 28.3

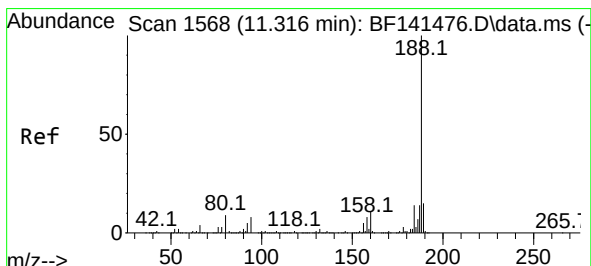
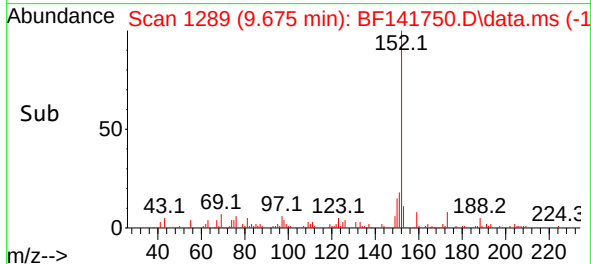
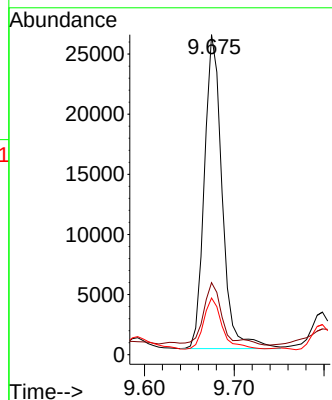
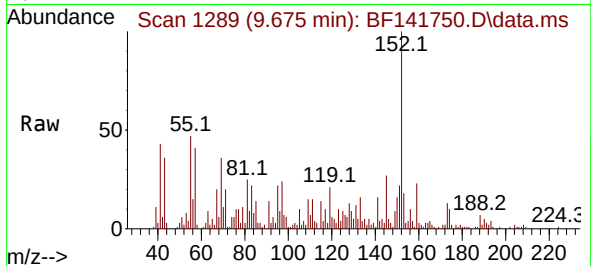




#49  
Acenaphthylene  
Concen: 3.625 ng  
RT: 9.675 min Scan# 11  
Delta R.T. -0.017 min  
Lab File: BF141750.D  
Acq: 24 Feb 2025 18:07

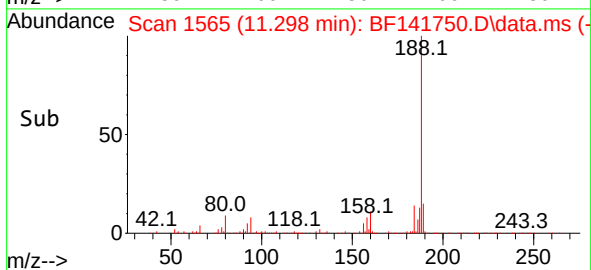
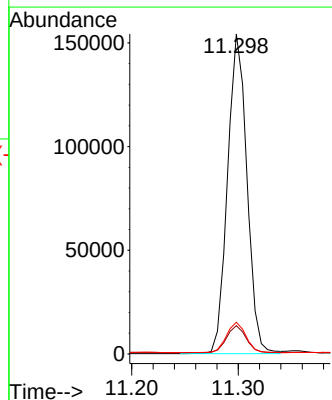
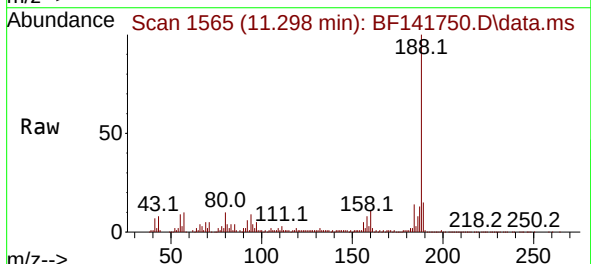
Instrument :  
BNA\_F  
ClientSampleId :  
BU-2-022125

Tgt Ion:152 Resp: 35987  
Ion Ratio Lower Upper  
152 100  
151 22.5 16.4 24.6  
153 17.7 10.9 16.3#

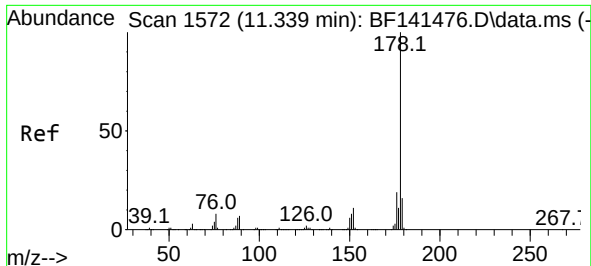


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.298 min Scan# 1565  
Delta R.T. -0.017 min  
Lab File: BF141750.D  
Acq: 24 Feb 2025 18:07

Tgt Ion:188 Resp: 194945  
Ion Ratio Lower Upper  
188 100  
94 8.8 6.6 10.0  
80 9.9 7.3 10.9



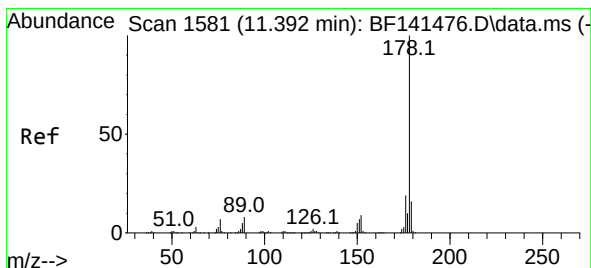
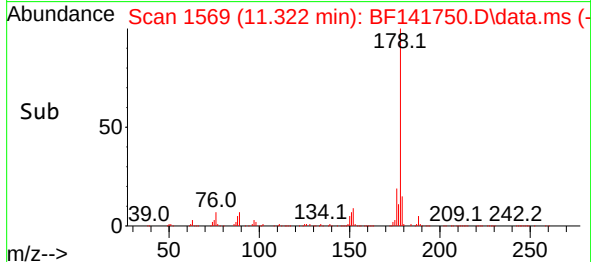
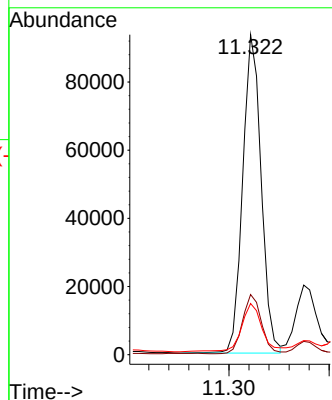
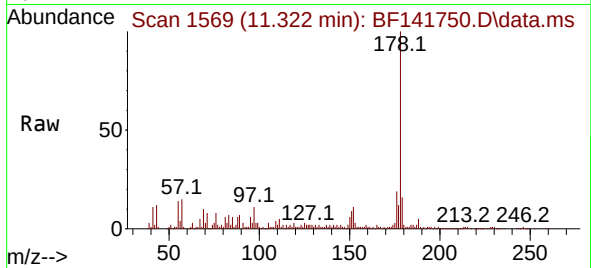




#71  
Phenanthrene  
Concen: 11.144 ng  
RT: 11.322 min Scan# 11  
Delta R.T. -0.023 min  
Lab File: BF141750.D  
Acq: 24 Feb 2025 18:07

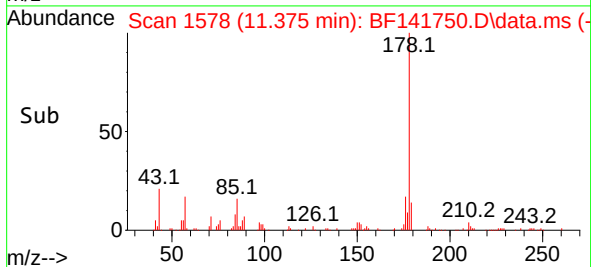
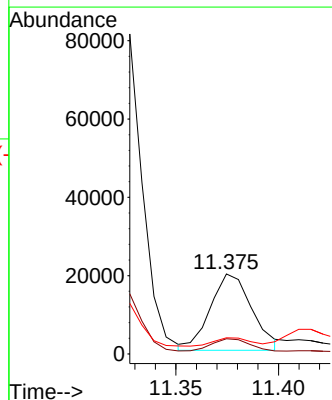
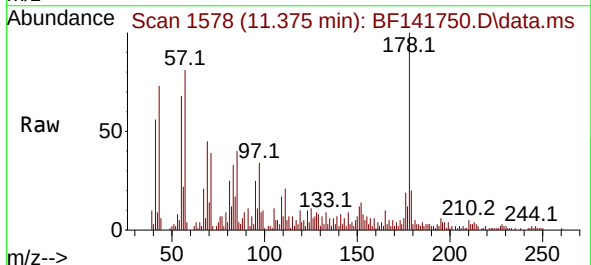
Instrument :  
BNA\_F  
ClientSampleId :  
BU-2-022125

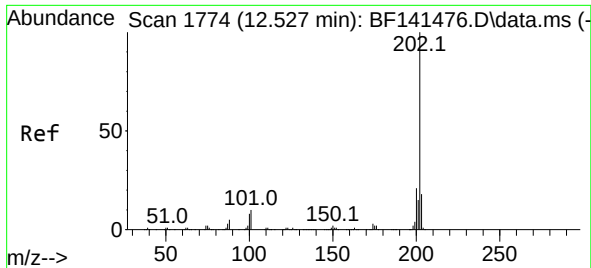
Tgt Ion:178 Resp: 119589  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.4 23.0  
179 16.0 12.4 18.6



#72  
Anthracene  
Concen: 2.556 ng m  
RT: 11.375 min Scan# 1578  
Delta R.T. -0.023 min  
Lab File: BF141750.D  
Acq: 24 Feb 2025 18:07

Tgt Ion:178 Resp: 27571  
Ion Ratio Lower Upper  
178 100  
176 19.1 14.8 22.2  
179 20.1 12.4 18.6#

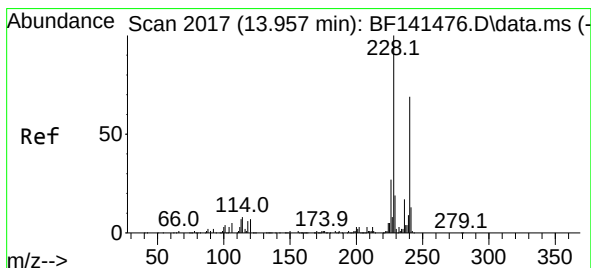
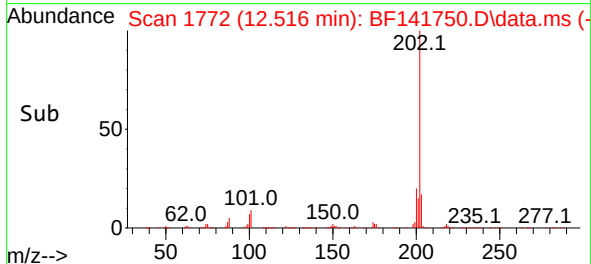
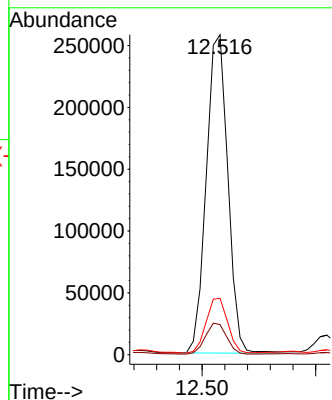
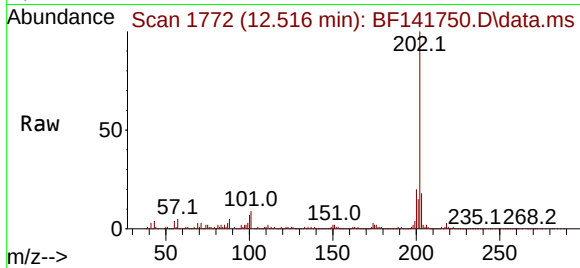




#75  
Fluoranthene  
Concen: 29.814 ng  
RT: 12.516 min Scan# 11  
Delta R.T. -0.017 min  
Lab File: BF141750.D  
Acq: 24 Feb 2025 18:07

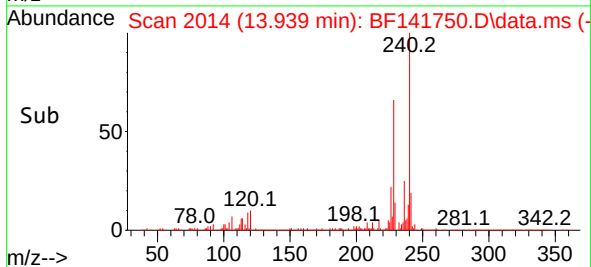
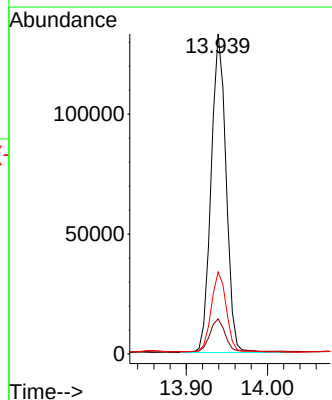
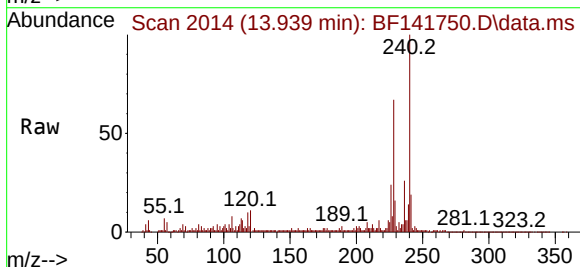
Instrument :  
BNA\_F  
ClientSampleId :  
BU-2-022125

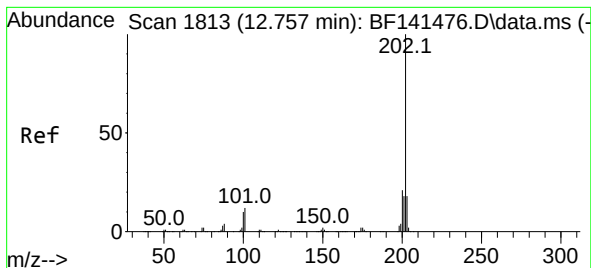
Tgt Ion:202 Resp: 339190  
Ion Ratio Lower Upper  
202 100  
101 9.4 0.0 30.2  
203 17.6 0.0 37.6



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.939 min Scan# 2014  
Delta R.T. -0.023 min  
Lab File: BF141750.D  
Acq: 24 Feb 2025 18:07

Tgt Ion:240 Resp: 169892  
Ion Ratio Lower Upper  
240 100  
120 11.0 8.0 12.0  
236 25.6 19.8 29.8





#78

Pyrene

Concen: 27.348 ng

RT: 12.739 min Scan# 1810

Delta R.T. -0.023 min

Lab File: BF141750.D

Acq: 24 Feb 2025 18:07

Instrument :

BNA\_F

ClientSampleId :

BU-2-022125

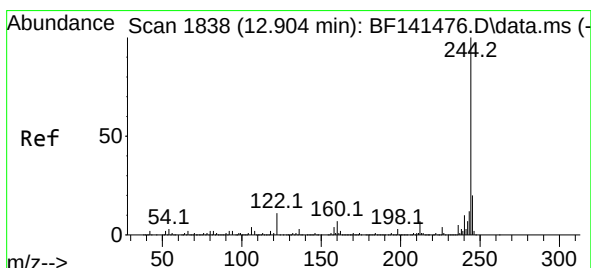
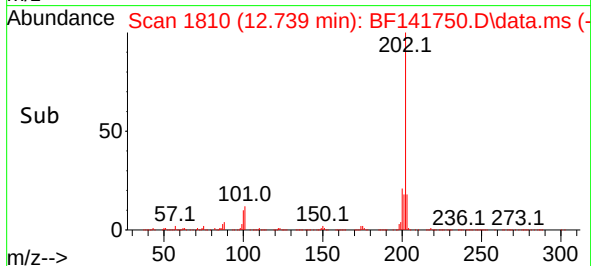
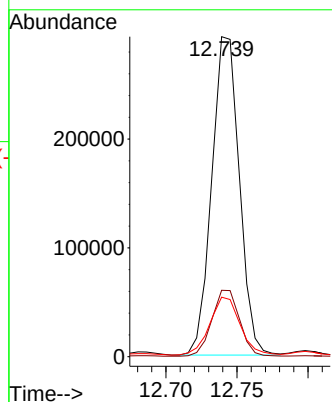
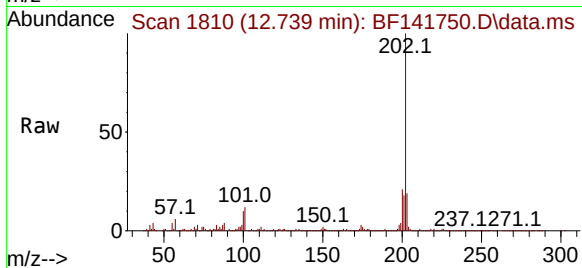
Tgt Ion:202 Resp: 395521

Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.4

203 18.6 14.3 21.5



#79

Terphenyl-d14

Concen: 40.354 ng

RT: 12.880 min Scan# 1834

Delta R.T. -0.023 min

Lab File: BF141750.D

Acq: 24 Feb 2025 18:07

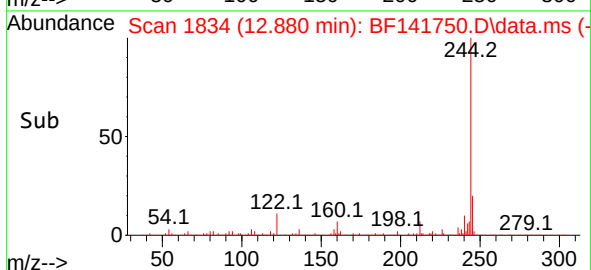
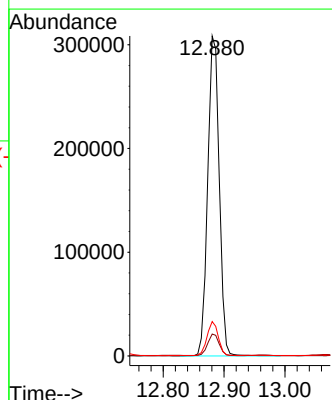
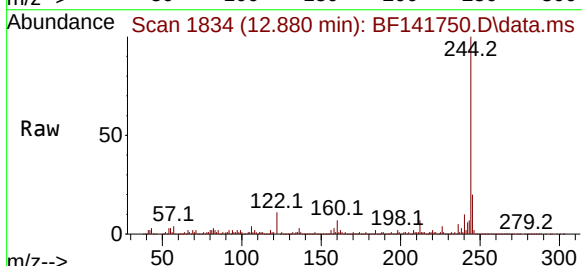
Tgt Ion:244 Resp: 406114

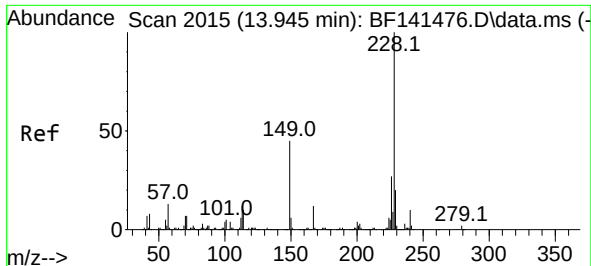
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.8 8.4 12.6

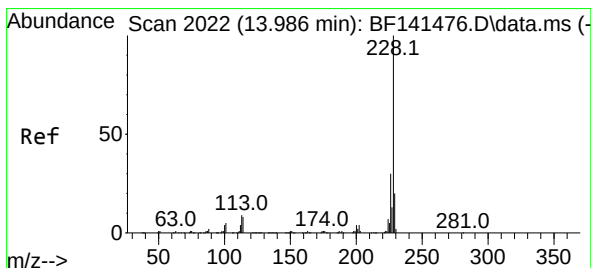
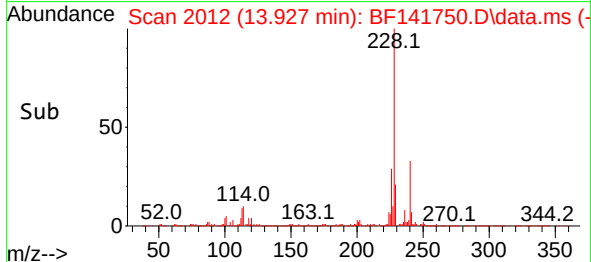
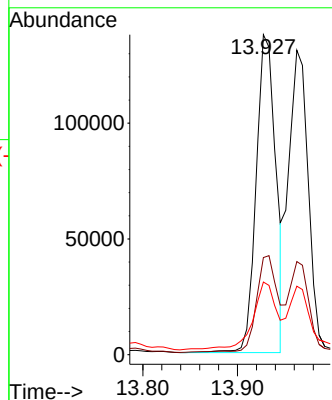
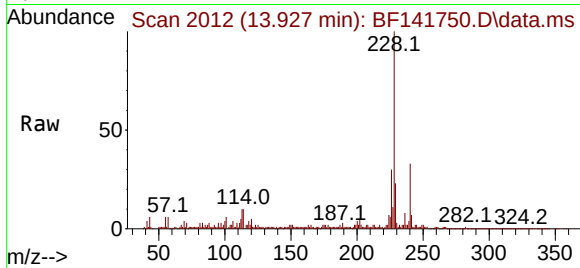




#81  
Benzo(a)anthracene  
Concen: 17.559 ng  
RT: 13.927 min Scan# 2015  
Delta R.T. -0.023 min  
Lab File: BF141750.D  
Acq: 24 Feb 2025 18:07

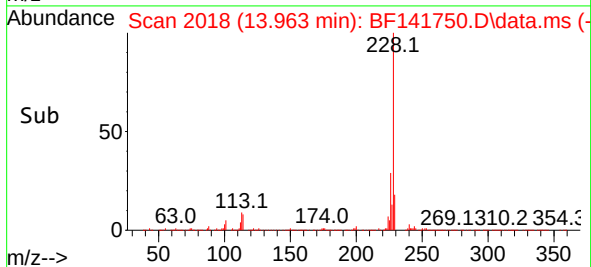
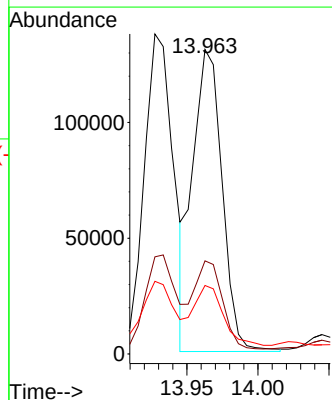
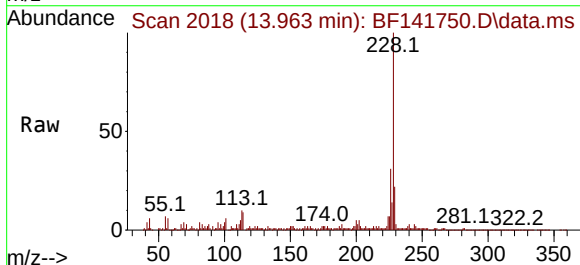
Instrument :  
BNA\_F  
ClientSampleId :  
BU-2-022125

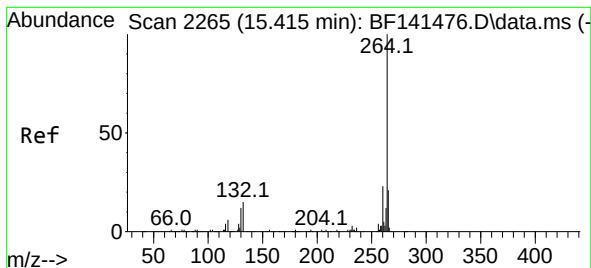
Tgt Ion:228 Resp: 198301  
Ion Ratio Lower Upper  
228 100  
226 30.3 21.8 32.8  
229 22.7 15.8 23.6



#83  
Chrysene  
Concen: 18.037 ng  
RT: 13.963 min Scan# 2018  
Delta R.T. -0.029 min  
Lab File: BF141750.D  
Acq: 24 Feb 2025 18:07

Tgt Ion:228 Resp: 188085  
Ion Ratio Lower Upper  
228 100  
226 30.6 24.0 36.0  
229 22.5 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF141750.D

Acq: 24 Feb 2025 18:07

Instrument :

BNA\_F

ClientSampleId :

BU-2-022125

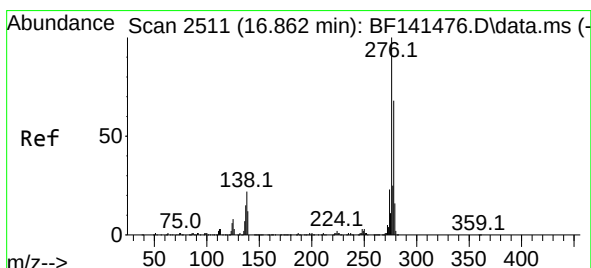
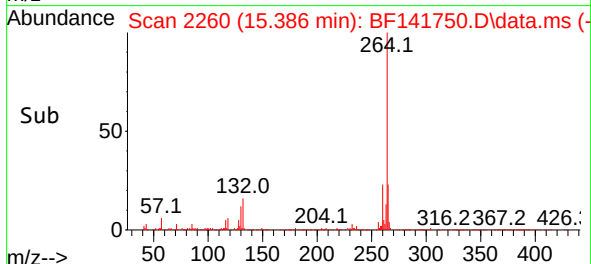
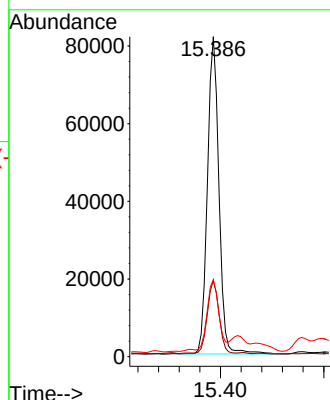
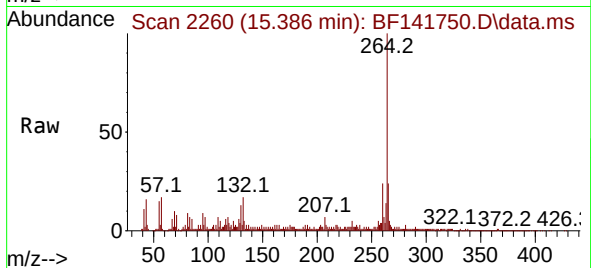
Tgt Ion:264 Resp: 126011

Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 24.1 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.398 ng

RT: 16.821 min Scan# 2504

Delta R.T. -0.053 min

Lab File: BF141750.D

Acq: 24 Feb 2025 18:07

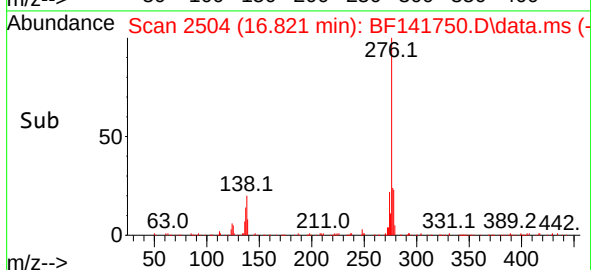
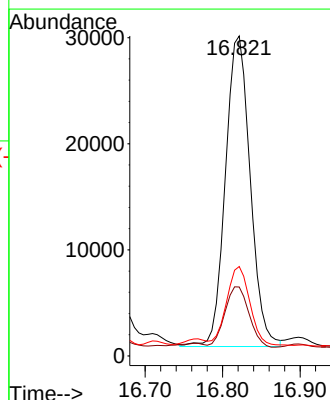
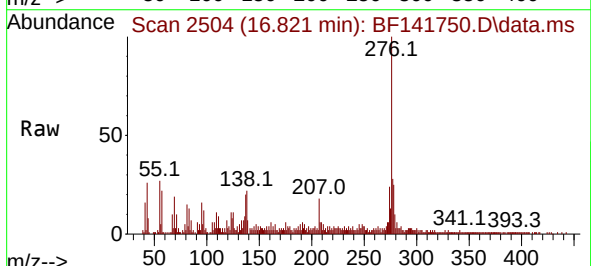
Tgt Ion:276 Resp: 65384

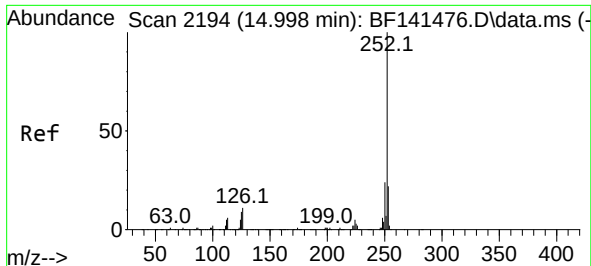
Ion Ratio Lower Upper

276 100

138 18.9 18.0 27.0

277 24.0 20.4 30.6

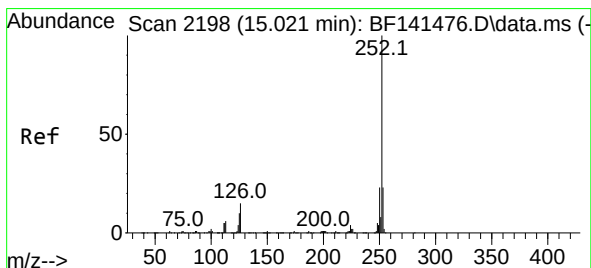
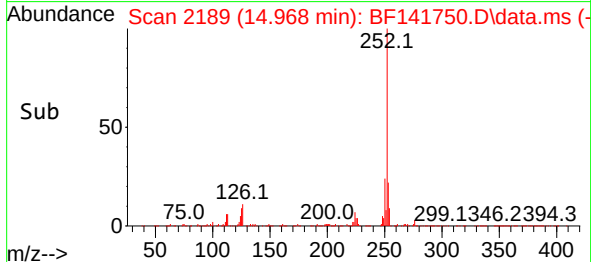
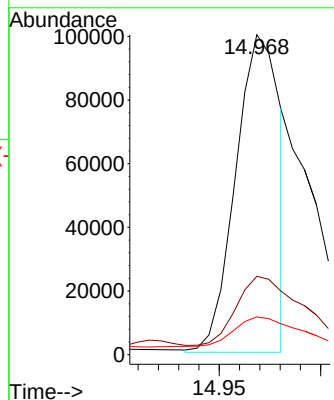
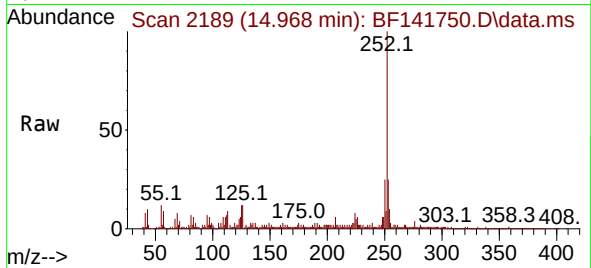




#88  
Benzo(b)fluoranthene  
Concen: 17.830 ng m  
RT: 14.968 min Scan# 2190  
Delta R.T. -0.035 min  
Lab File: BF141750.D  
Acq: 24 Feb 2025 18:07

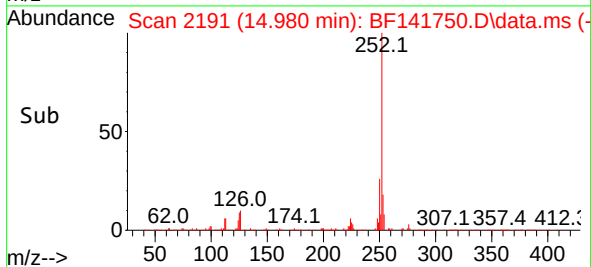
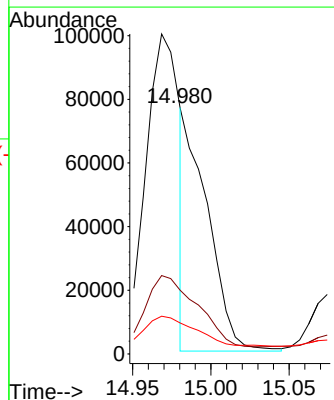
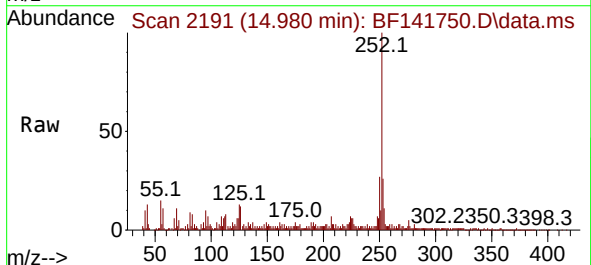
Instrument :  
BNA\_F  
ClientSampleId :  
BU-2-022125

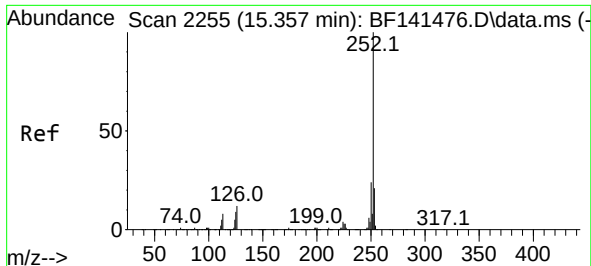
Tgt Ion:252 Resp: 150858  
Ion Ratio Lower Upper  
252 100  
253 24.5 17.5 26.3  
125 11.8 7.0 10.6#



#89  
Benzo(k)fluoranthene  
Concen: 10.667 ng m  
RT: 14.980 min Scan# 2191  
Delta R.T. -0.053 min  
Lab File: BF141750.D  
Acq: 24 Feb 2025 18:07

Tgt Ion:252 Resp: 77069  
Ion Ratio Lower Upper  
252 100  
253 25.9 18.0 27.0  
125 12.6 7.4 11.0#

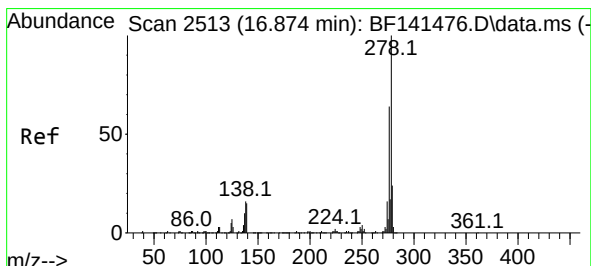
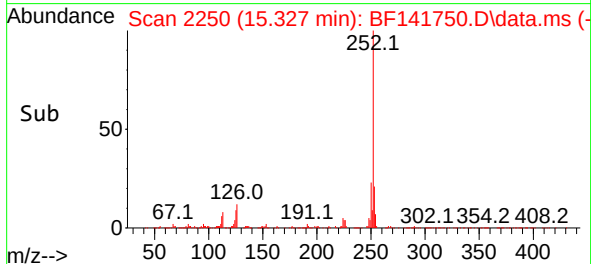
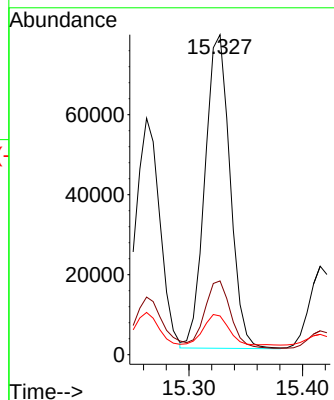
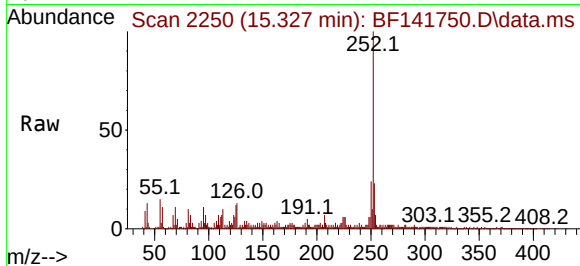




#90  
Benzo(a)pyrene  
Concen: 17.601 ng  
RT: 15.327 min Scan# 21  
Delta R.T. -0.035 min  
Lab File: BF141750.D  
Acq: 24 Feb 2025 18:07

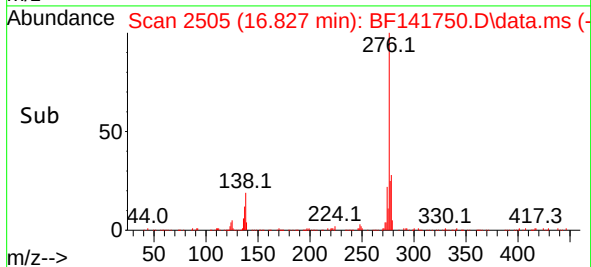
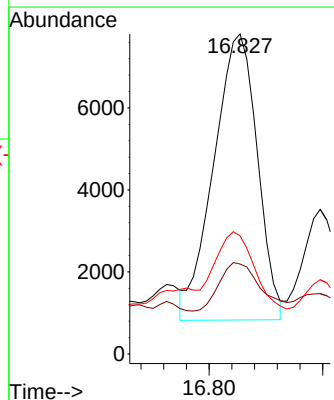
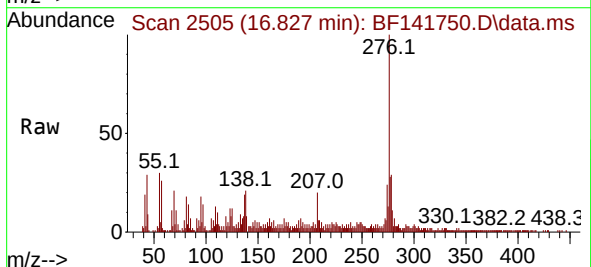
Instrument :  
BNA\_F  
ClientSampleId :  
BU-2-022125

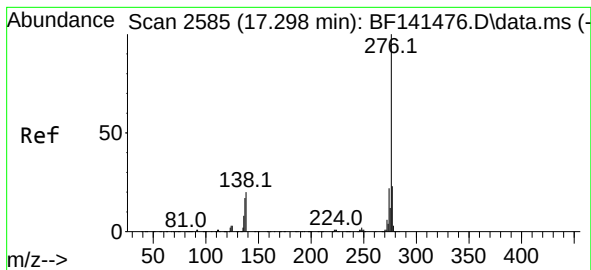
Tgt Ion:252 Resp: 120505  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.1 25.7  
125 12.1 7.4 11.2#



#91  
Dibenzo(a,h)anthracene  
Concen: 2.946 ng  
RT: 16.827 min Scan# 2505  
Delta R.T. -0.064 min  
Lab File: BF141750.D  
Acq: 24 Feb 2025 18:07

Tgt Ion:278 Resp: 18585  
Ion Ratio Lower Upper  
278 100  
139 28.1 11.8 17.6#  
279 36.9 19.1 28.7#





#92

Benzo(g,h,i)perylene

Concen: 10.232 ng

RT: 17.251 min Scan# 21

Delta R.T. -0.064 min

Lab File: BF141750.D

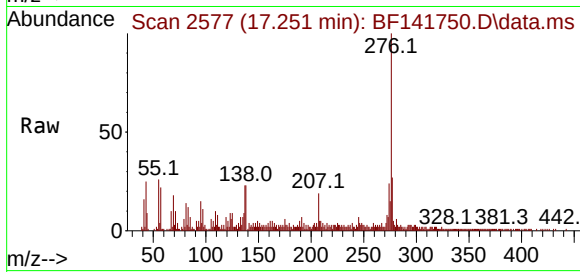
Acq: 24 Feb 2025 18:07

Instrument :

BNA\_F

ClientSampleId :

BU-2-022125



Tgt Ion:276 Resp: 67552

Ion Ratio Lower Upper

276 100

277 26.6 18.6 28.0

138 23.1 15.9 23.9

