

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF111424\  
 Data File : BF140380.D  
 Acq On : 14 Nov 2024 23:13  
 Operator : RC/JU  
 Sample : P4795-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LAW-23-00189RE

Quant Time: Nov 15 02:36:35 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF111324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 13 14:40:06 2024  
 Response via : Initial Calibration

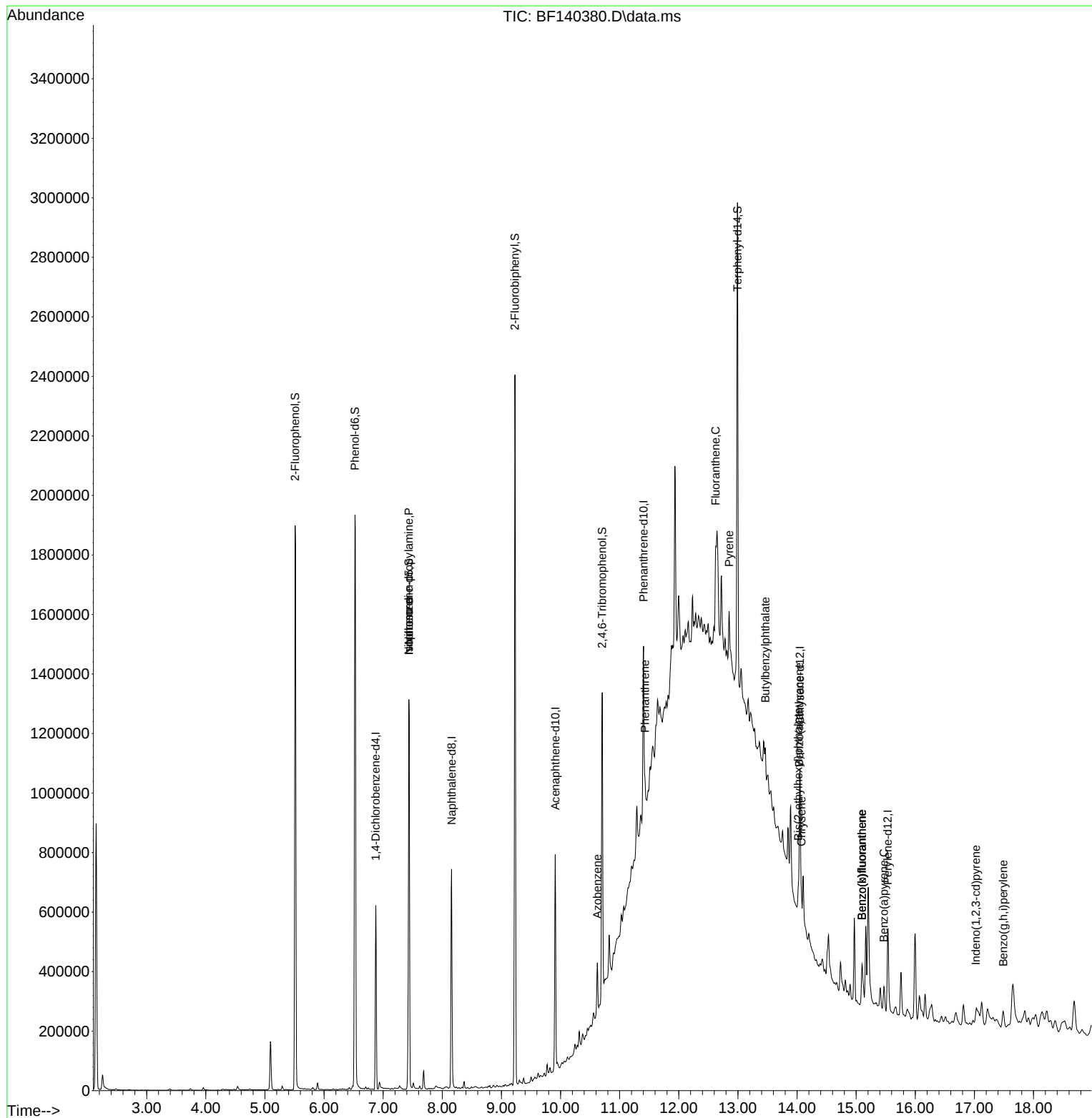
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 124796   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 455803   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 208508   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 298360   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 212247   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.533 | 264  | 157517   | 20.000 | ng    | -0.02    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 730705   | 99.971 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.522  | 99   | 944006   | 95.327 | ng    | 0.02     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 604747   | 69.129 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 172199   | 83.050 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.228  | 172  | 1024656  | 78.999 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 823555   | 67.352 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.434  | 70   | 82503    | 13.794 | ng    | # 78     |
| 25) Isophorone                | 7.434  | 82   | 597862   | 38.561 | ng    | # 67     |
| 63) Azobenzene                | 10.622 | 77   | 43580    | 3.174  | ng    | # 1      |
| 71) Phenanthrene              | 11.428 | 178  | 35444    | 2.529  | ng    | # 81     |
| 75) Fluoranthene              | 12.622 | 202  | 107899   | 6.862  | ng    | 93       |
| 78) Pyrene                    | 12.851 | 202  | 100257   | 5.522  | ng    | # 93     |
| 80) Butylbenzylphthalate      | 13.463 | 149  | 28093    | 4.028  | ng    | 86       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 66459    | 4.764  | ng    | 91       |
| 83) Chrysene                  | 14.074 | 228  | 62285    | 4.894  | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 14.022 | 149  | 24064    | 2.585  | ng    | # 91     |
| 87) Indeno(1,2,3-cd)pyrene    | 17.027 | 276  | 32470    | 3.337  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 109377   | 10.615 | ng    | # 96     |
| 89) Benzo(k)fluoranthene      | 15.098 | 252  | 109377   | 12.994 | ng    | # 95     |
| 90) Benzo(a)pyrene            | 15.468 | 252  | 42354    | 5.293  | ng    | # 92     |
| 92) Benzo(g,h,i)perylene      | 17.486 | 276  | 34161    | 4.155  | ng    | 97       |
| -----                         |        |      |          |        |       |          |

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

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Sample : P4795-01  
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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
LAW-23-00189RE

Quant Time: Nov 15 02:36:35 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF111324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 13 14:40:06 2024  
Response via : Initial Calibration

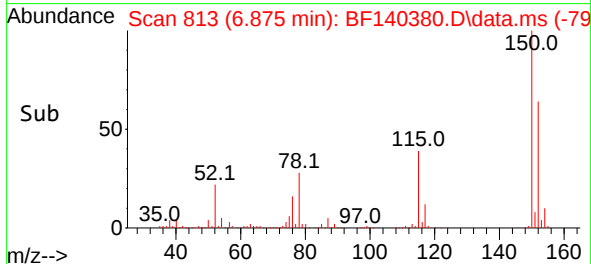
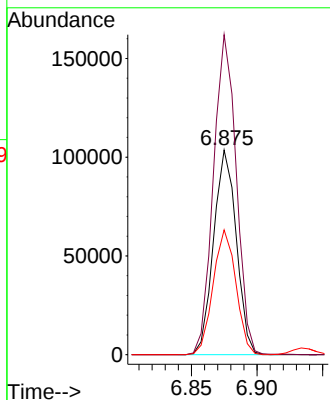
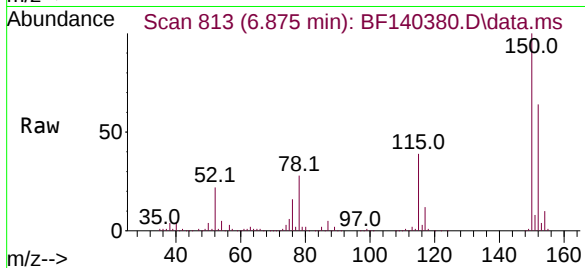




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF140380.D  
Acq: 14 Nov 2024 23:13

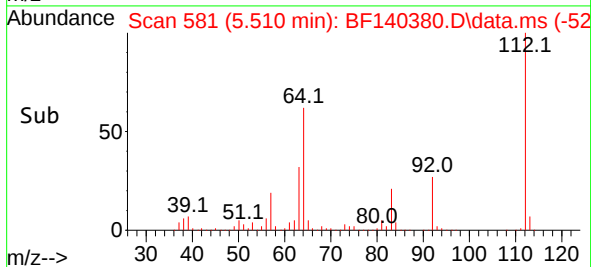
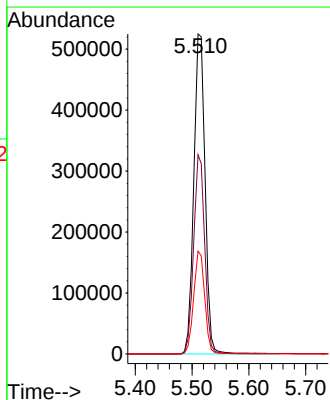
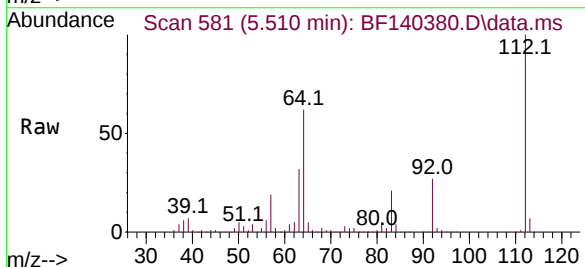
Instrument :  
BNA\_F  
ClientSampleId :  
LAW-23-00189RE

Tgt Ion:152 Resp: 124796  
Ion Ratio Lower Upper  
152 100  
150 156.4 127.4 191.0  
115 61.0 47.4 71.2



#5  
2-Fluorophenol  
Concen: 99.971 ng  
RT: 5.510 min Scan# 581  
Delta R.T. 0.018 min  
Lab File: BF140380.D  
Acq: 14 Nov 2024 23:13

Tgt Ion:112 Resp: 730705  
Ion Ratio Lower Upper  
112 100  
64 62.3 49.2 73.8  
63 32.2 25.6 38.4

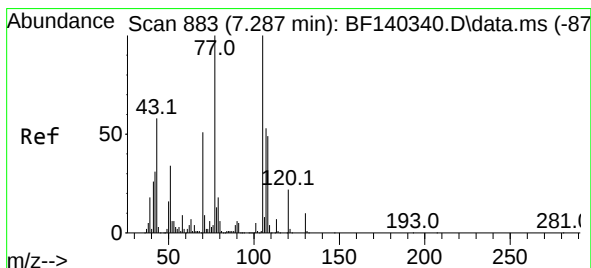
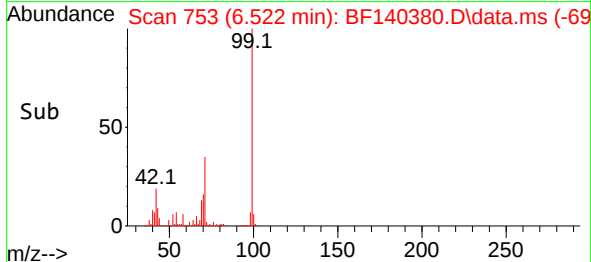
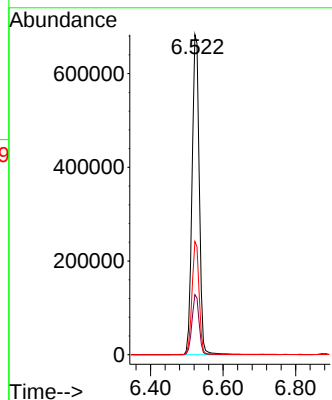
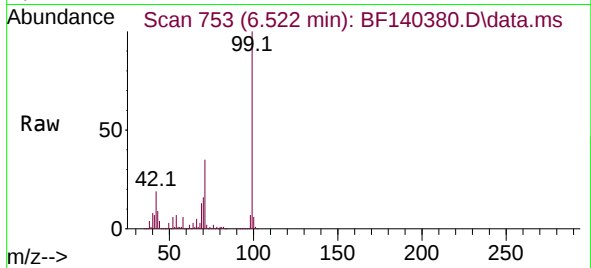




#7  
Phenol-d6  
Concen: 95.327 ng  
RT: 6.522 min Scan# 71  
Delta R.T. 0.018 min  
Lab File: BF140380.D  
Acq: 14 Nov 2024 23:13

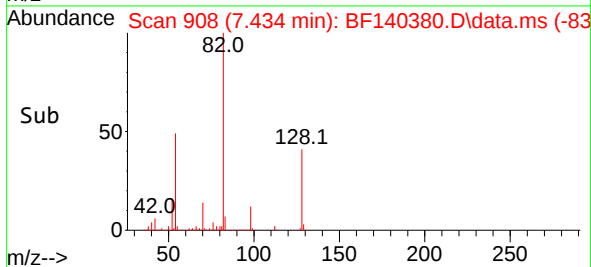
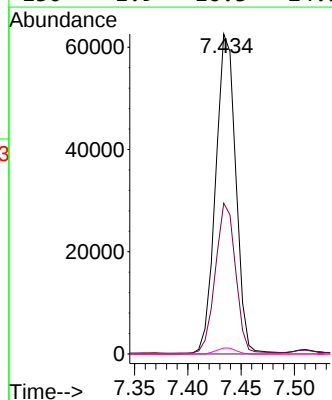
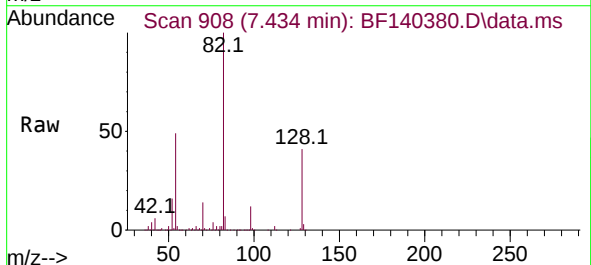
Instrument :  
BNA\_F  
ClientSampleId :  
LAW-23-00189RE

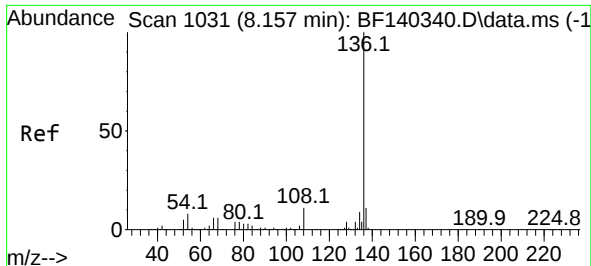
Tgt Ion: 99 Resp: 944006  
Ion Ratio Lower Upper  
99 100  
42 18.8 15.1 22.7  
71 35.4 27.9 41.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 13.794 ng  
RT: 7.434 min Scan# 908  
Delta R.T. 0.141 min  
Lab File: BF140380.D  
Acq: 14 Nov 2024 23:13

Tgt Ion: 70 Resp: 82503  
Ion Ratio Lower Upper  
70 100  
42 47.1 46.8 70.2  
101 0.0 7.5 11.3#  
130 1.9 16.3 24.5#

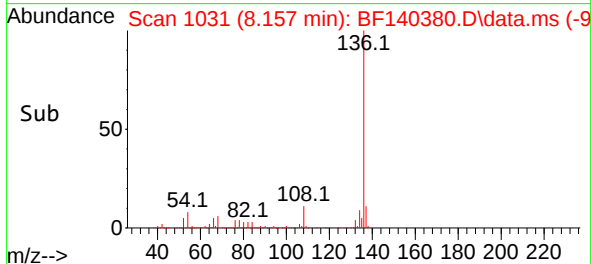
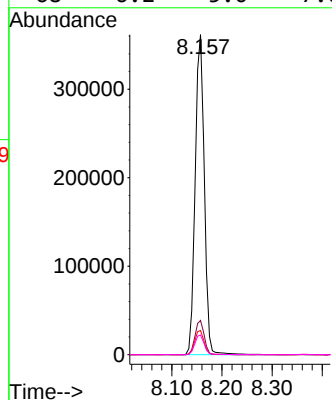
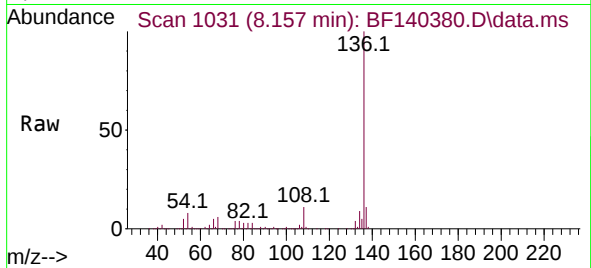




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: BF140380.D  
Acq: 14 Nov 2024 23:13

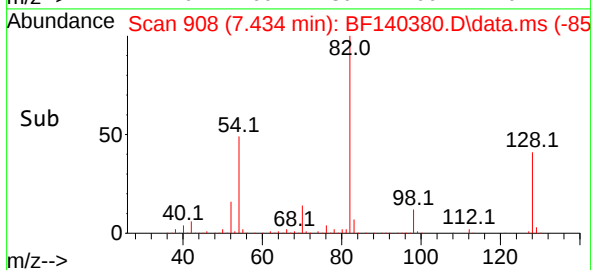
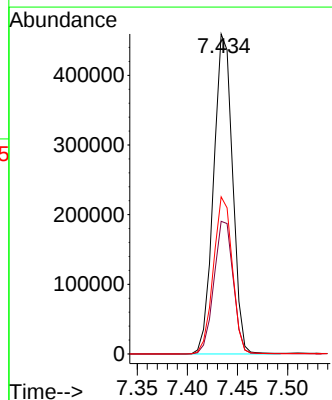
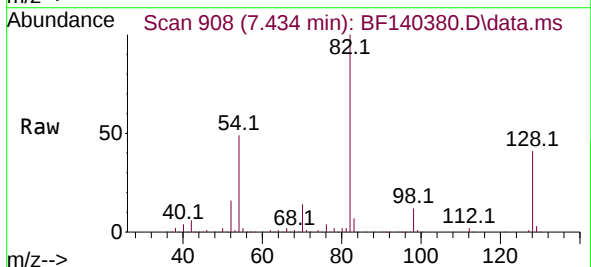
Instrument :  
BNA\_F  
ClientSampleId :  
LAW-23-00189RE

Tgt Ion:136 Resp: 455803  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.7 13.1  
54 7.5 6.5 9.7  
68 6.2 5.0 7.6



#23  
Nitrobenzene-d5  
Concen: 69.129 ng  
RT: 7.434 min Scan# 908  
Delta R.T. -0.006 min  
Lab File: BF140380.D  
Acq: 14 Nov 2024 23:13

Tgt Ion: 82 Resp: 604747  
Ion Ratio Lower Upper  
82 100  
128 41.5 33.3 49.9  
54 49.1 39.8 59.8

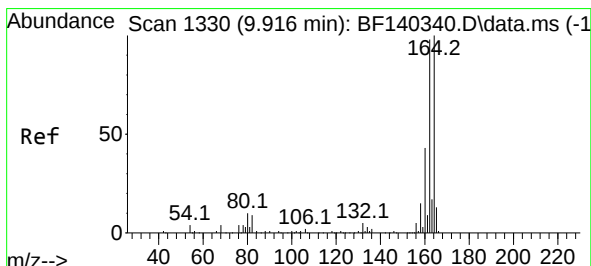
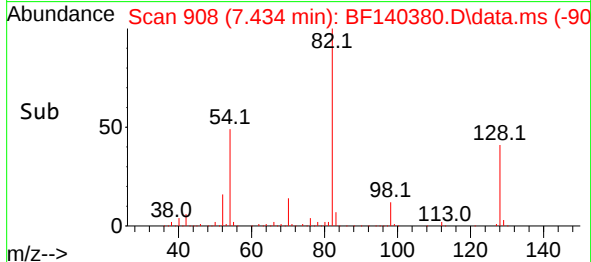
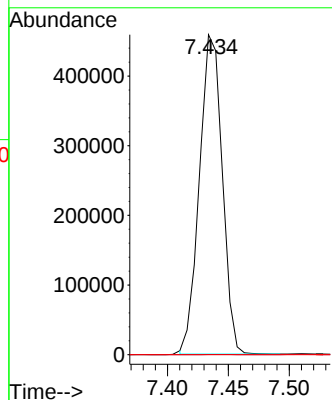
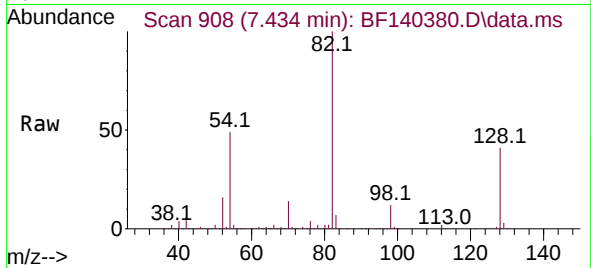




#25  
Isophorone  
Concen: 38.561 ng  
RT: 7.434 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF140380.D  
Acq: 14 Nov 2024 23:13

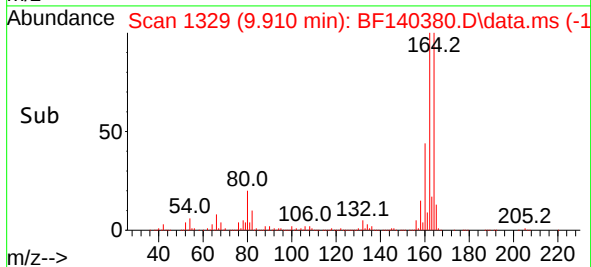
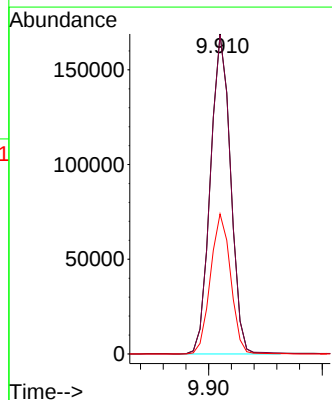
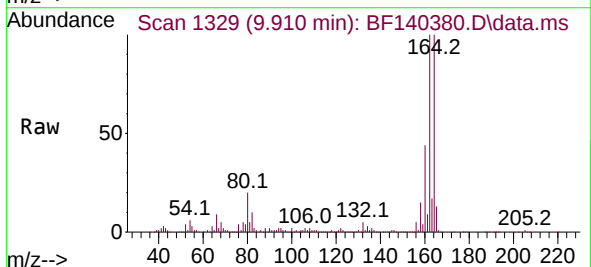
Instrument :  
BNA\_F  
ClientSampleId :  
LAW-23-00189RE

Tgt Ion: 82 Resp: 597862  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 13.4 20.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.910 min Scan# 1329  
Delta R.T. -0.006 min  
Lab File: BF140380.D  
Acq: 14 Nov 2024 23:13

Tgt Ion:164 Resp: 208508  
Ion Ratio Lower Upper  
164 100  
162 99.7 79.8 119.8  
160 43.7 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 83.050 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BF140380.D

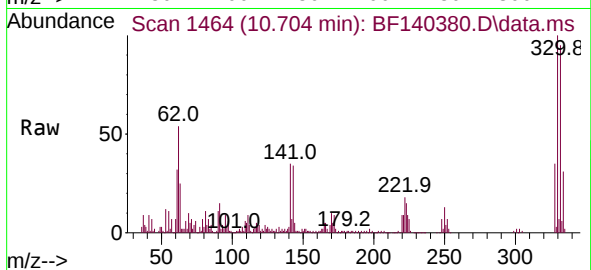
Acq: 14 Nov 2024 23:13

Instrument :

BNA\_F

ClientSampleId :

LAW-23-00189RE



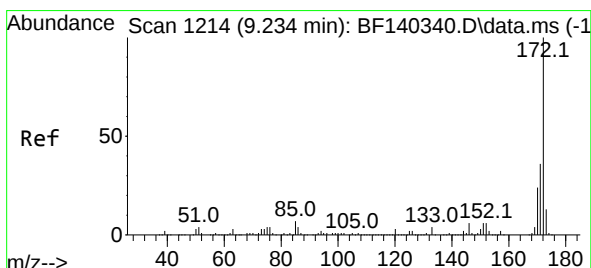
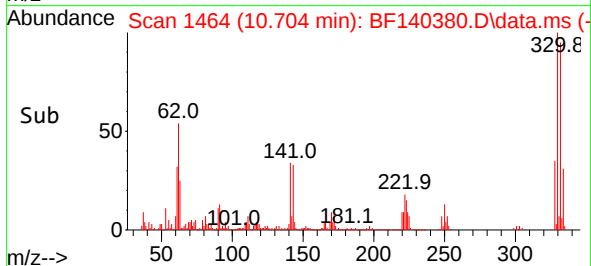
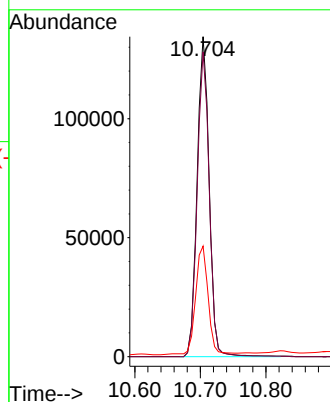
Tgt Ion:330 Resp: 172199

Ion Ratio Lower Upper

330 100

332 95.6 75.9 113.9

141 35.6 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 78.999 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140380.D

Acq: 14 Nov 2024 23:13

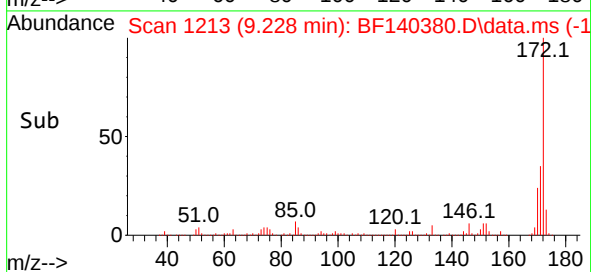
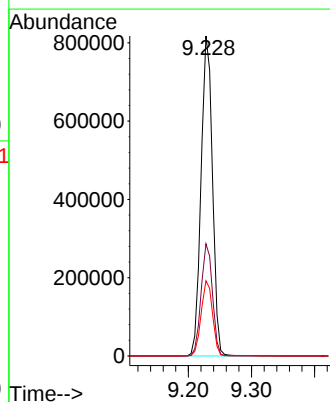
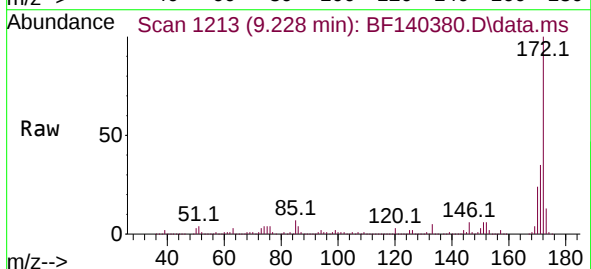
Tgt Ion:172 Resp: 1024656

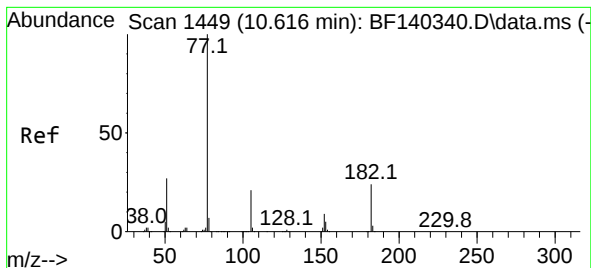
Ion Ratio Lower Upper

172 100

171 35.0 28.5 42.7

170 23.5 19.1 28.7





#63

Azobenzene

Concen: 3.174 ng

RT: 10.622 min Scan# 1449

Delta R.T. 0.006 min

Lab File: BF140380.D

Acq: 14 Nov 2024 23:13

Instrument :

BNA\_F

ClientSampleId :

LAW-23-00189RE

Tgt Ion: 77 Resp: 43580

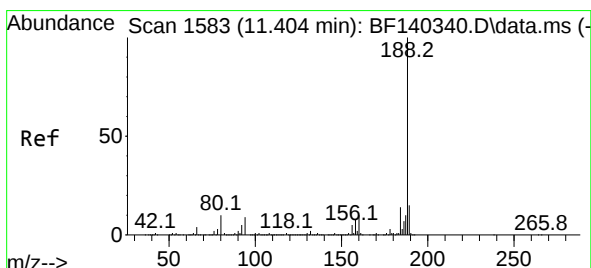
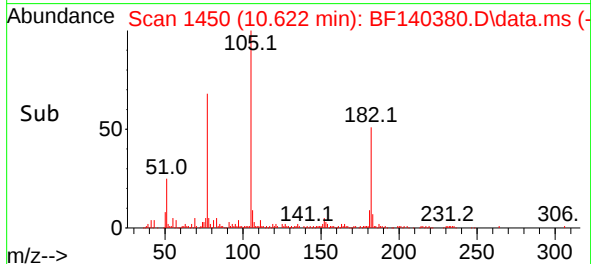
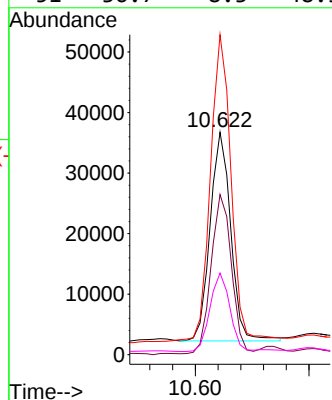
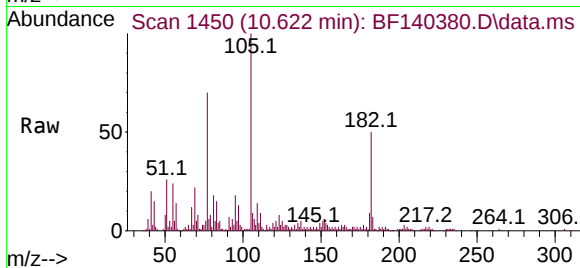
Ion Ratio Lower Upper

77 100

182 72.0 4.6 44.6#

105 143.9 0.9 40.9#

51 36.7 8.3 48.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1583

Delta R.T. 0.000 min

Lab File: BF140380.D

Acq: 14 Nov 2024 23:13

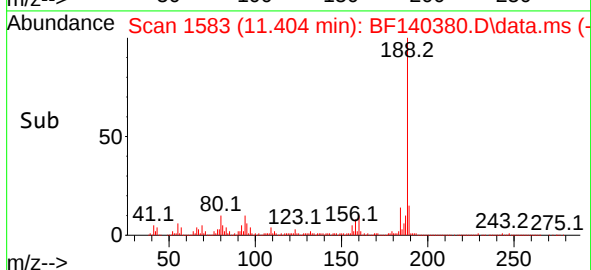
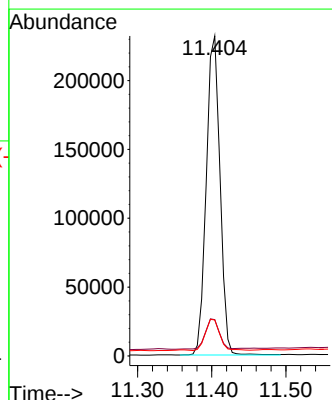
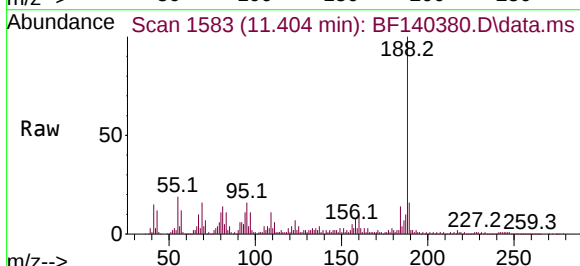
Tgt Ion: 188 Resp: 298360

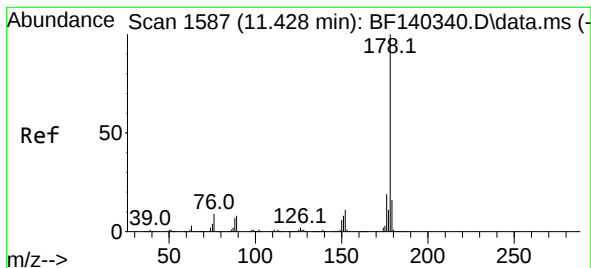
Ion Ratio Lower Upper

188 100

94 11.4 7.6 11.4

80 11.3 8.0 12.0





#71

Phenanthrene

Concen: 2.529 ng

RT: 11.428 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140380.D

Acq: 14 Nov 2024 23:13

Instrument :

BNA\_F

ClientSampleId :

LAW-23-00189RE

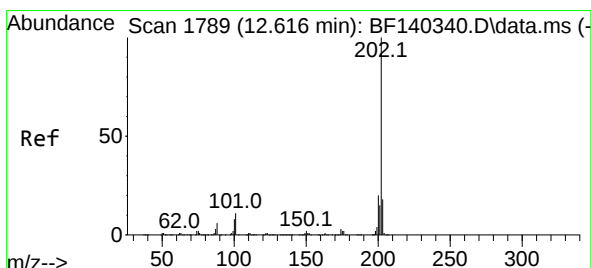
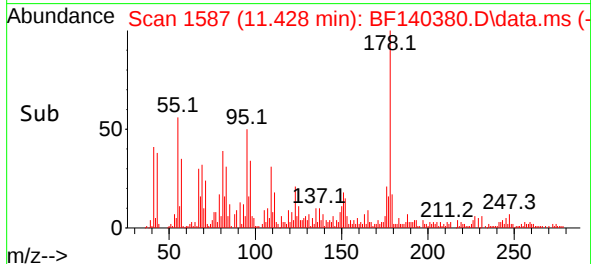
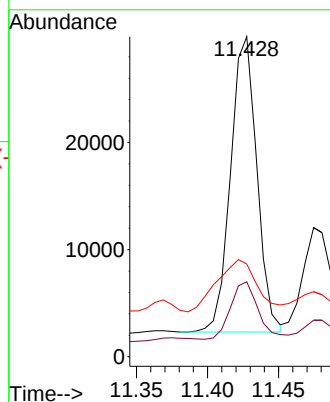
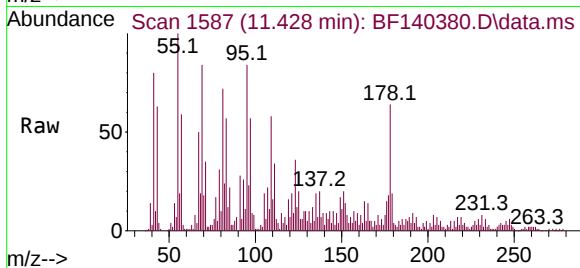
Tgt Ion:178 Resp: 35444

Ion Ratio Lower Upper

178 100

176 23.4 15.5 23.3#

179 29.0 12.4 18.6#



#75

Fluoranthene

Concen: 6.862 ng

RT: 12.622 min Scan# 1790

Delta R.T. 0.006 min

Lab File: BF140380.D

Acq: 14 Nov 2024 23:13

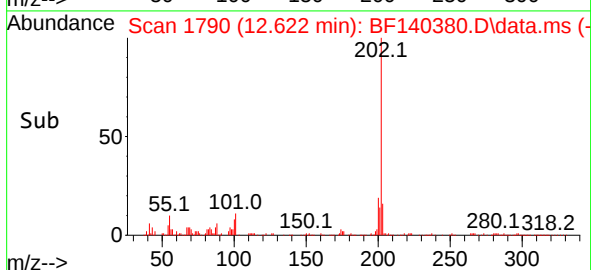
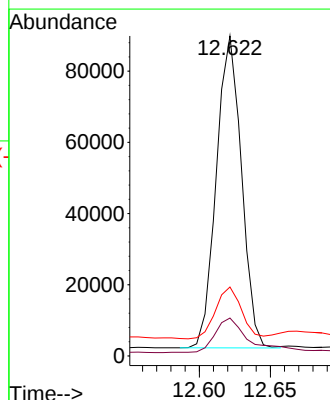
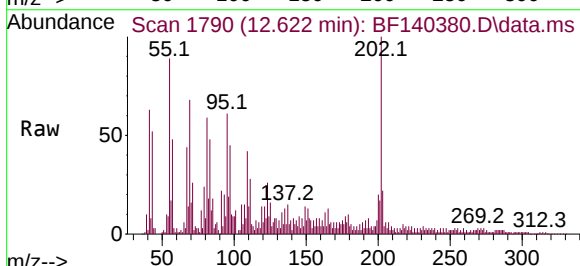
Tgt Ion:202 Resp: 107899

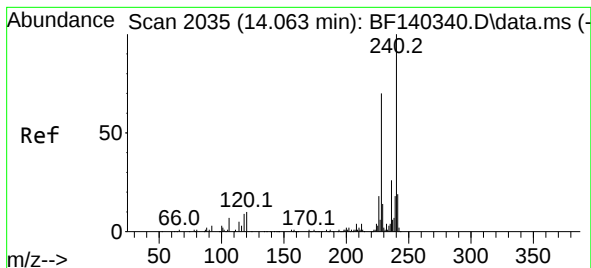
Ion Ratio Lower Upper

202 100

101 11.8 0.0 30.7

203 21.5 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2035

Delta R.T. 0.000 min

Lab File: BF140380.D

Acq: 14 Nov 2024 23:13

Instrument :

BNA\_F

ClientSampleId :

LAW-23-00189RE

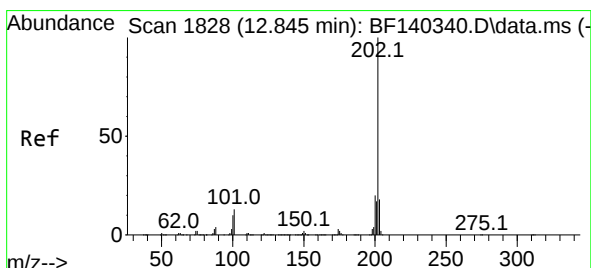
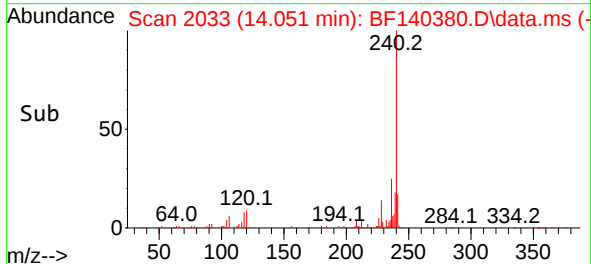
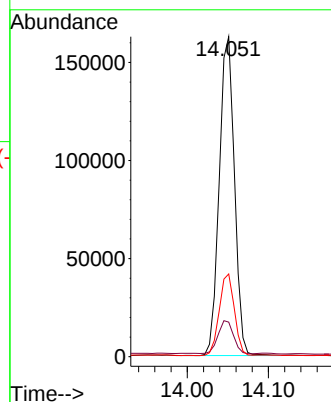
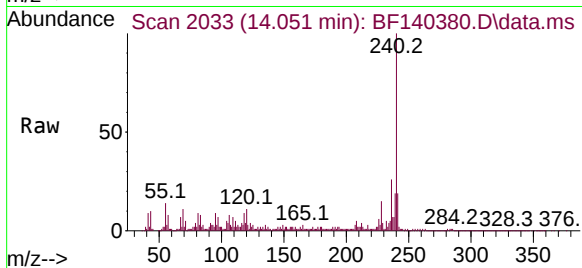
Tgt Ion:240 Resp: 212247

Ion Ratio Lower Upper

240 100

120 10.8 8.8 13.2

236 25.8 20.9 31.3



#78

Pyrene

Concen: 5.522 ng

RT: 12.851 min Scan# 1829

Delta R.T. 0.006 min

Lab File: BF140380.D

Acq: 14 Nov 2024 23:13

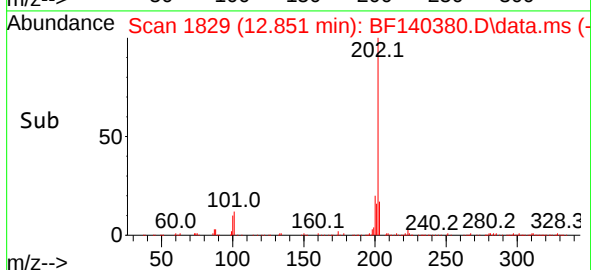
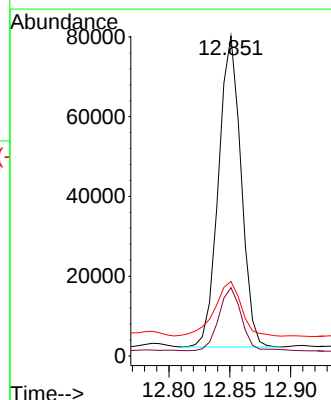
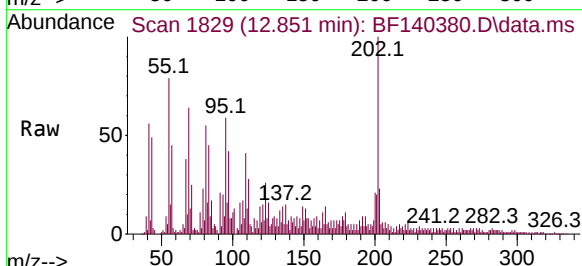
Tgt Ion:202 Resp: 100257

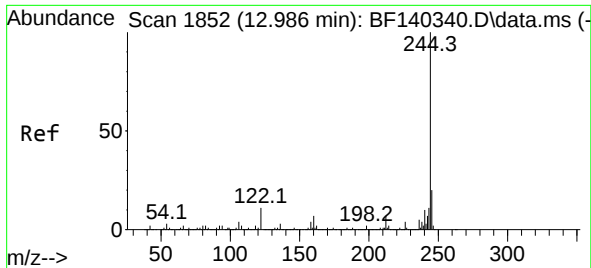
Ion Ratio Lower Upper

202 100

200 21.4 16.2 24.2

203 23.3 14.2 21.4#

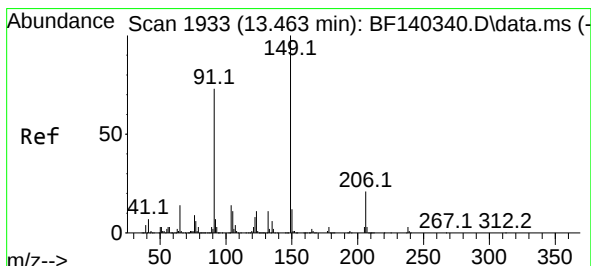
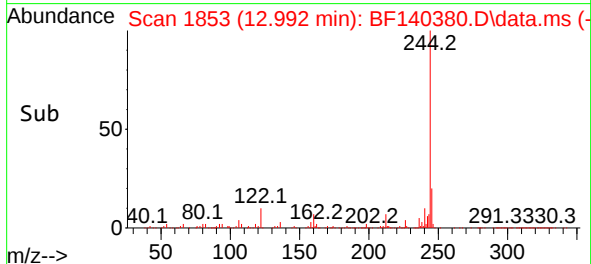
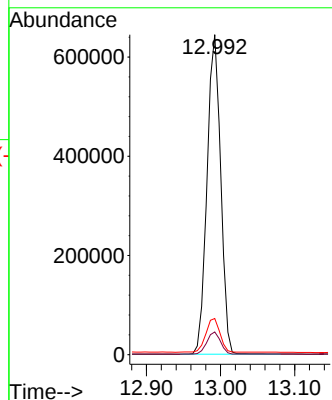
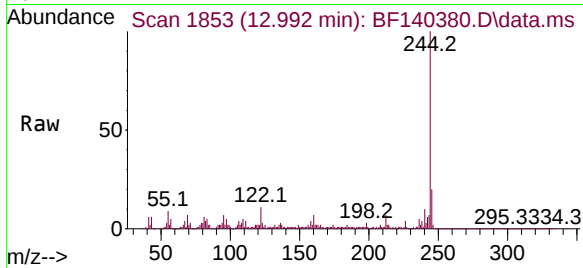




#79  
 Terphenyl-d14  
 Concen: 67.352 ng  
 RT: 12.992 min Scan# 1853  
 Delta R.T. 0.006 min  
 Lab File: BF140380.D  
 Acq: 14 Nov 2024 23:13

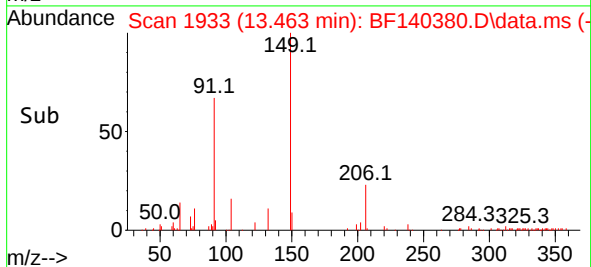
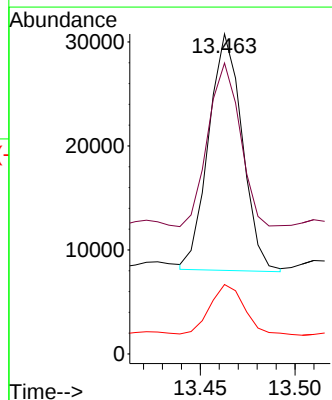
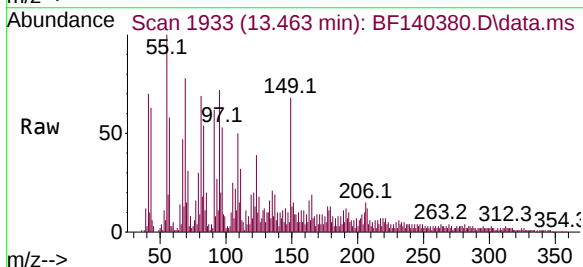
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LAW-23-00189RE

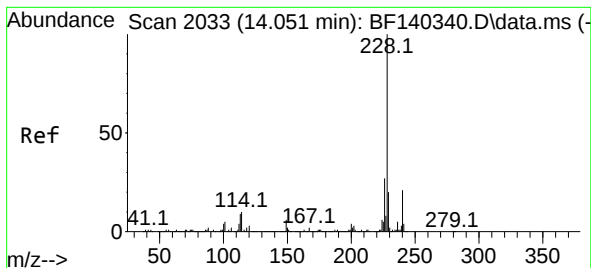
Tgt Ion:244 Resp: 823555  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.8 8.8  
 122 11.3 8.8 13.2



#80  
 Butylbenzylphthalate  
 Concen: 4.028 ng  
 RT: 13.463 min Scan# 1933  
 Delta R.T. 0.006 min  
 Lab File: BF140380.D  
 Acq: 14 Nov 2024 23:13

Tgt Ion:149 Resp: 28093  
 Ion Ratio Lower Upper  
 149 100  
 91 90.9 61.0 91.4  
 206 21.7 16.1 24.1





#81

Benzo(a)anthracene

Concen: 4.764 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF140380.D

Acq: 14 Nov 2024 23:13

Instrument :

BNA\_F

ClientSampleId :

LAW-23-00189RE

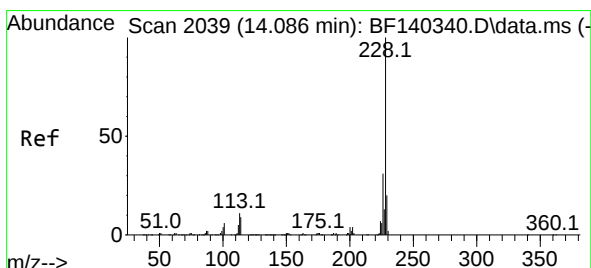
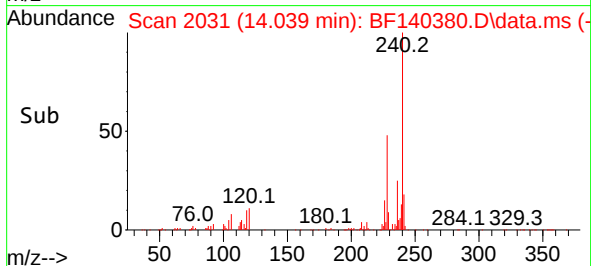
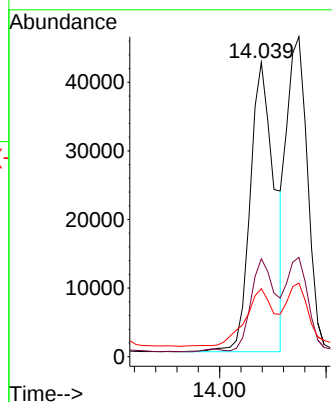
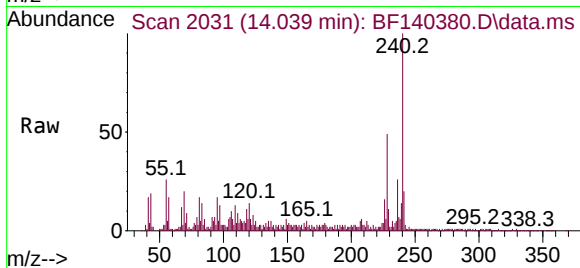
Tgt Ion:228 Resp: 66459

Ion Ratio Lower Upper

228 100

226 33.3 22.2 33.4

229 23.1 15.8 23.6



#83

Chrysene

Concen: 4.894 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF140380.D

Acq: 14 Nov 2024 23:13

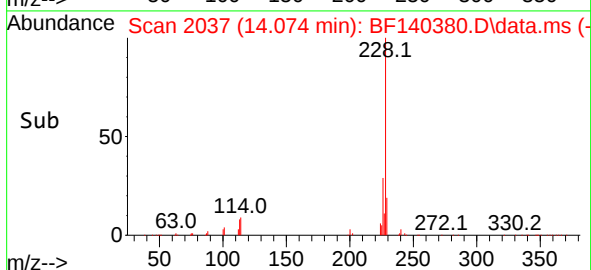
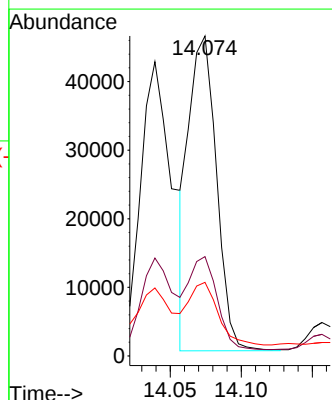
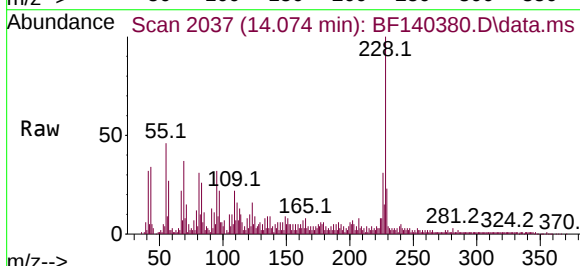
Tgt Ion:228 Resp: 62285

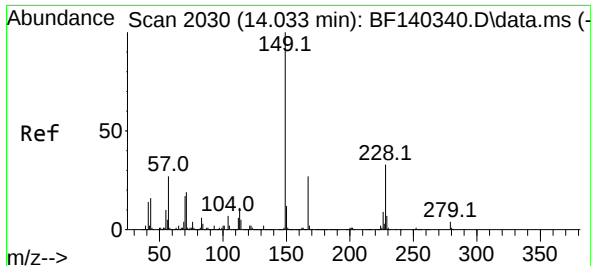
Ion Ratio Lower Upper

228 100

226 31.1 24.5 36.7

229 23.0 16.0 24.0

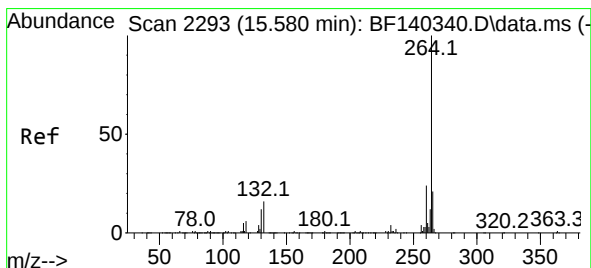
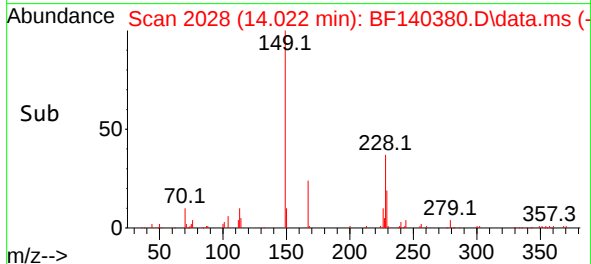
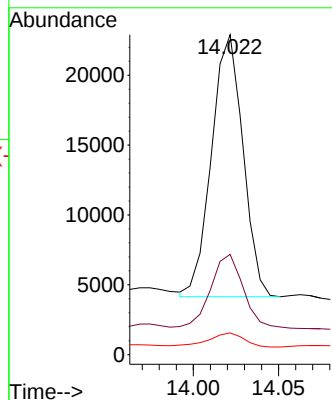
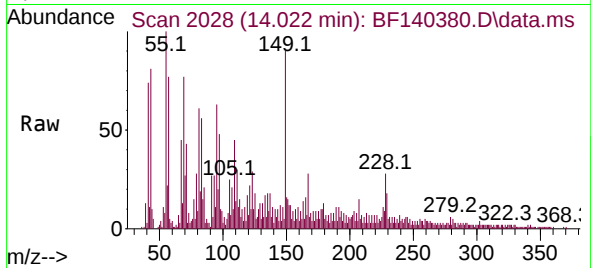




#84  
Bis(2-ethylhexyl)phthalate  
Concen: 2.585 ng  
RT: 14.022 min Scan# 2030  
Delta R.T. 0.000 min  
Lab File: BF140380.D  
Acq: 14 Nov 2024 23:13

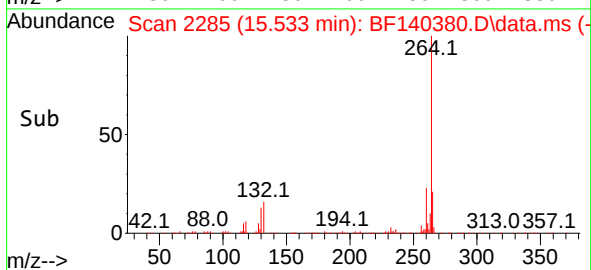
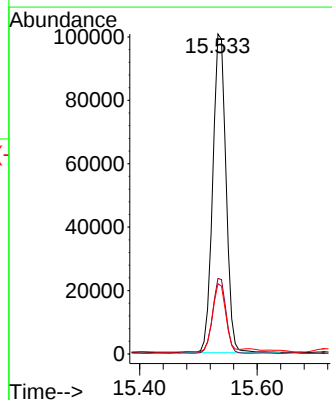
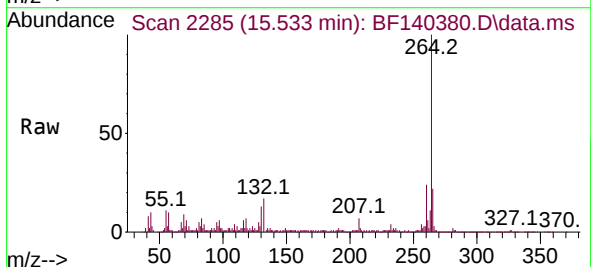
Instrument :  
BNA\_F  
ClientSampleId :  
LAW-23-00189RE

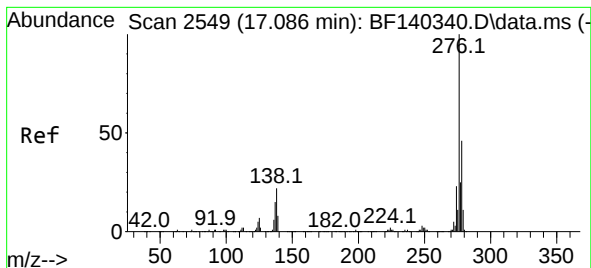
Tgt Ion:149 Resp: 24064  
Ion Ratio Lower Upper  
149 100  
167 31.3 21.4 32.0  
279 6.8 3.0 4.6#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.533 min Scan# 2285  
Delta R.T. -0.023 min  
Lab File: BF140380.D  
Acq: 14 Nov 2024 23:13

Tgt Ion:264 Resp: 157517  
Ion Ratio Lower Upper  
264 100  
260 23.6 19.2 28.8  
265 21.9 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.337 ng

RT: 17.027 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF140380.D

Acq: 14 Nov 2024 23:13

Instrument :

BNA\_F

ClientSampleId :

LAW-23-00189RE

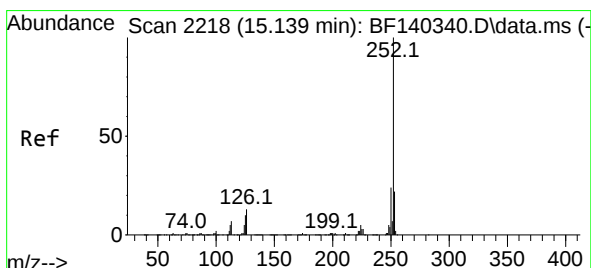
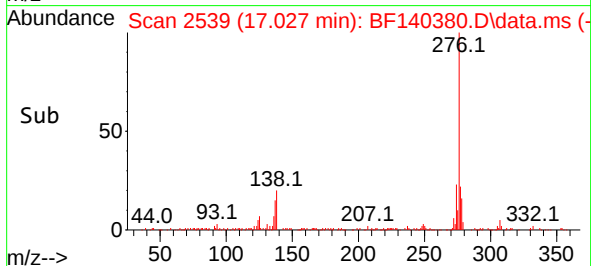
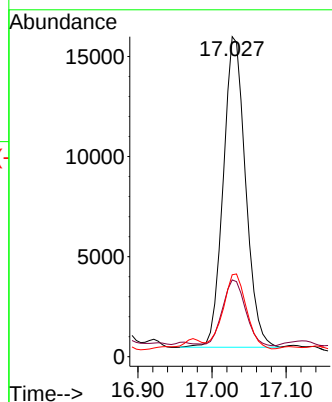
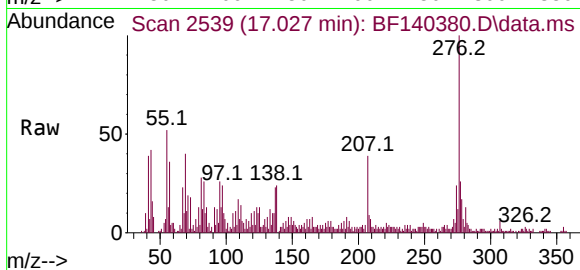
Tgt Ion:276 Resp: 32470

Ion Ratio Lower Upper

276 100

138 21.8 18.8 28.2

277 25.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 10.615 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.018 min

Lab File: BF140380.D

Acq: 14 Nov 2024 23:13

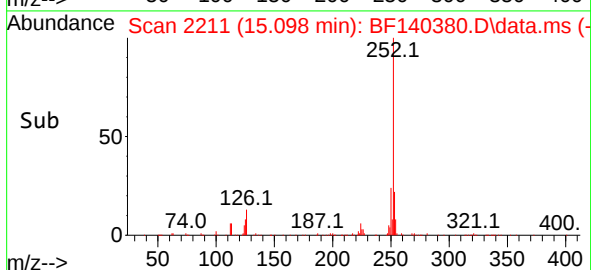
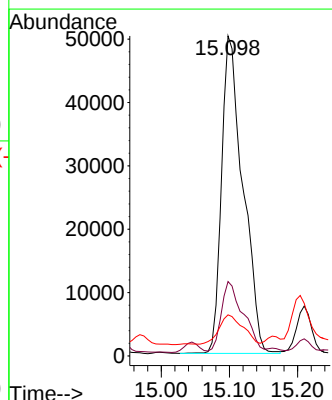
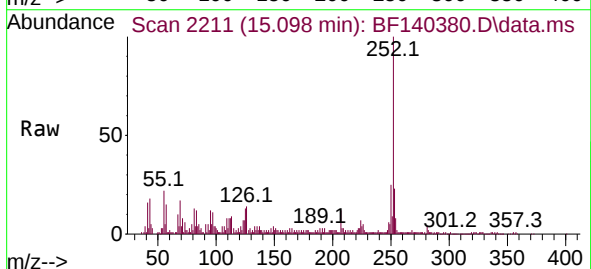
Tgt Ion:252 Resp: 109377

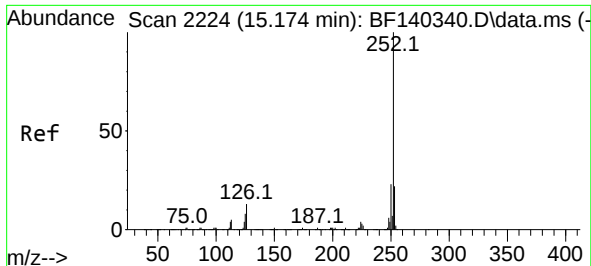
Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

125 12.8 8.0 12.0#

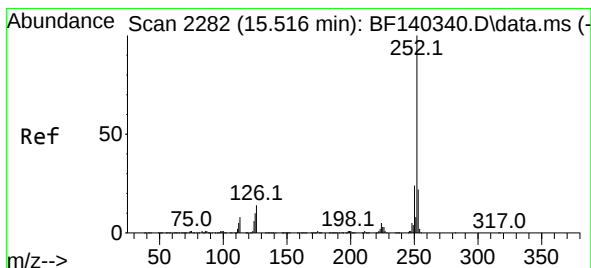
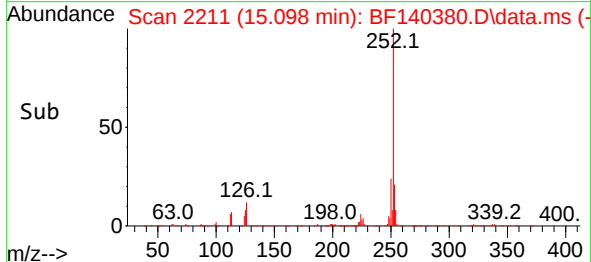
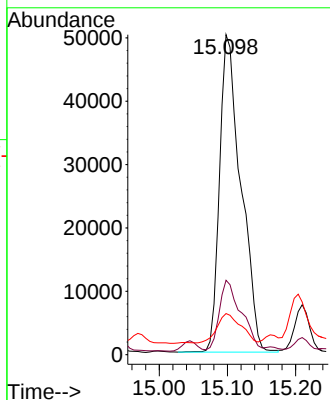
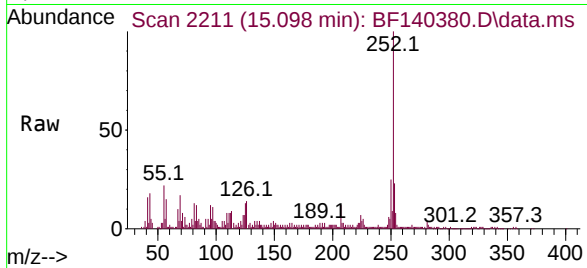




#89  
Benzo(k)fluoranthene  
Concen: 12.994 ng  
RT: 15.098 min Scan# 211  
Delta R.T. -0.053 min  
Lab File: BF140380.D  
Acq: 14 Nov 2024 23:13

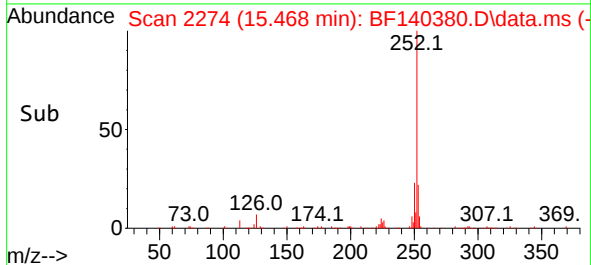
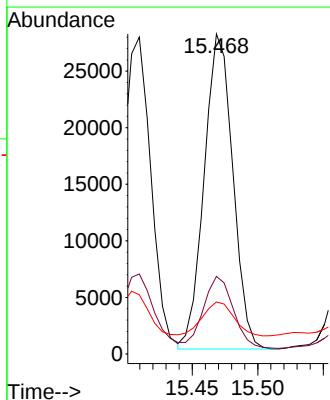
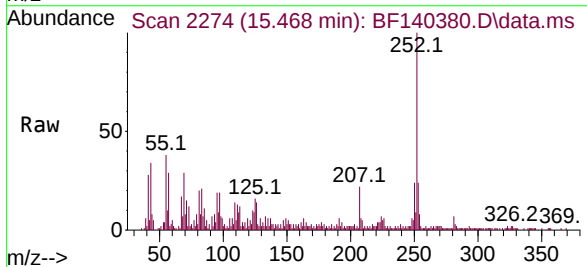
Instrument :  
BNA\_F  
ClientSampleId :  
LAW-23-00189RE

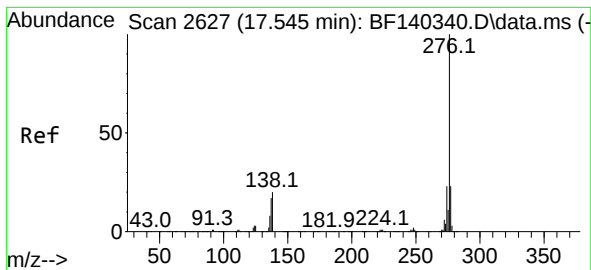
Tgt Ion:252 Resp: 109377  
Ion Ratio Lower Upper  
252 100  
253 23.3 17.3 25.9  
125 12.8 7.4 11.2#



#90  
Benzo(a)pyrene  
Concen: 5.293 ng  
RT: 15.468 min Scan# 2274  
Delta R.T. -0.023 min  
Lab File: BF140380.D  
Acq: 14 Nov 2024 23:13

Tgt Ion:252 Resp: 42354  
Ion Ratio Lower Upper  
252 100  
253 24.2 17.8 26.6  
125 16.3 8.4 12.6#





#92

Benzo(g,h,i)perylene

Concen: 4.155 ng

RT: 17.486 min Scan# 20

Delta R.T. -0.029 min

Lab File: BF140380.D

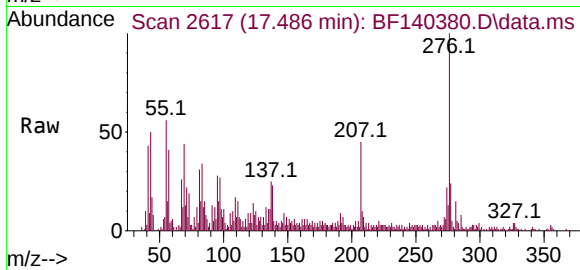
Acq: 14 Nov 2024 23:13

Instrument :

BNA\_F

ClientSampleId :

LAW-23-00189RE



Tgt Ion:276 Resp: 34161

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 22.6 16.0 24.0

