

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122623\  
 Data File : BF136723.D  
 Acq On : 26 Dec 2023 17:09  
 Operator : CG\JU  
 Sample : 05796-02  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RT-SB-05-10.25-11.25RE

Quant Time: Dec 26 17:47:33 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

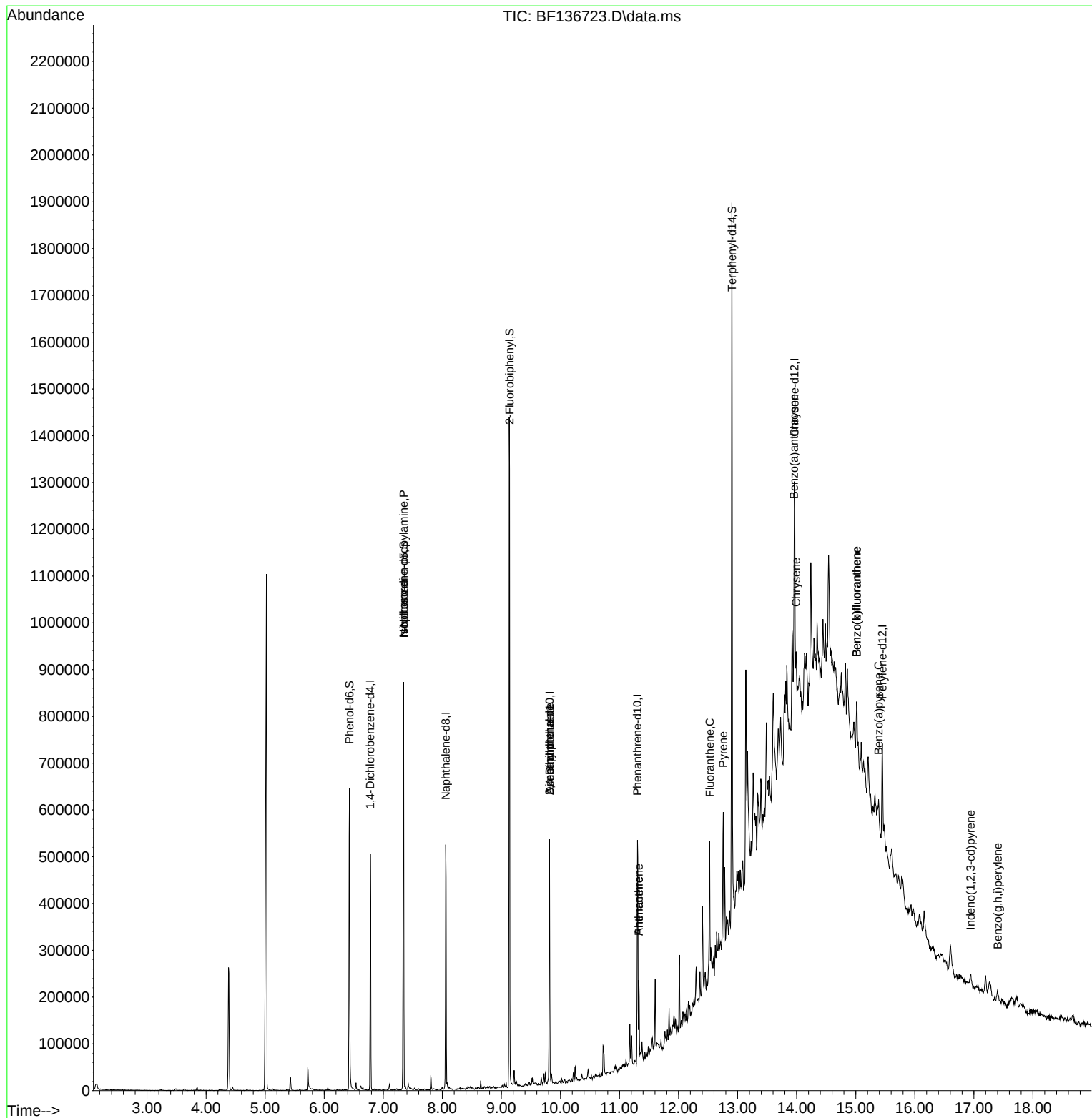
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.780  | 152  | 70410    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.057  | 136  | 224283   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.816  | 164  | 97400    | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.304 | 188  | 181501   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12              | 13.962 | 240  | 147086   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.451 | 264  | 100169   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 8561     | 1.897  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.428  | 99   | 210837   | 36.057 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 249820   | 56.997 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.610 | 330  | 105      | 0.092  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.139  | 172  | 448459   | 61.927 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.904 | 244  | 504364   | 47.920 | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.345  | 70   | 33704    | 9.509  | ng    | # 73     |
| 25) Isophorone                | 7.345  | 82   | 249817   | 31.324 | ng    | # 65     |
| 50) Dimethylphthalate         | 9.816  | 163  | 19610    | 2.756  | ng    | # 1      |
| 57) 2,4-Dinitrotoluene        | 9.816  | 165  | 12616    | 6.019  | ng    | # 20     |
| 71) Phenanthrene              | 11.327 | 178  | 58929    | 6.328  | ng    | 97       |
| 72) Anthracene                | 11.327 | 178  | 58929    | 6.248  | ng    | 98       |
| 75) Fluoranthene              | 12.527 | 202  | 118596   | 11.905 | ng    | 98       |
| 78) Pyrene                    | 12.757 | 202  | 103269   | 7.152  | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.956 | 228  | 51354    | 5.028  | ng    | 96       |
| 83) Chrysene                  | 13.992 | 228  | 50383    | 5.044  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.945 | 276  | 18613    | 2.574  | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.015 | 252  | 57849    | 8.647  | ng    | # 65     |
| 89) Benzo(k)fluoranthene      | 15.015 | 252  | 57849    | 9.151  | ng    | # 64     |
| 90) Benzo(a)pyrene            | 15.386 | 252  | 25789    | 4.567  | ng    | # 64     |
| 92) Benzo(g,h,i)perylene      | 17.403 | 276  | 17354    | 2.856  | ng    | 99       |
| -----                         |        |      |          |        |       |          |

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

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RT-SB-05-10.25-11.25RE

Quant Time: Dec 26 17:47:33 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 21 01:54:25 2023  
Response via : Initial Calibration

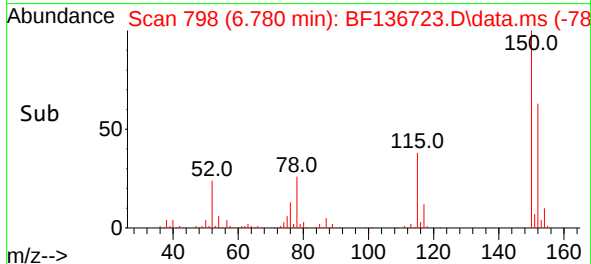
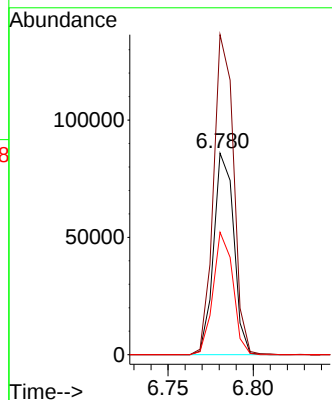
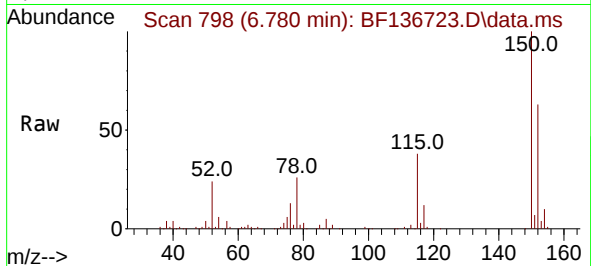




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.780 min Scan# 79  
Delta R.T. -0.012 min  
Lab File: BF136723.D  
Acq: 26 Dec 2023 17:09

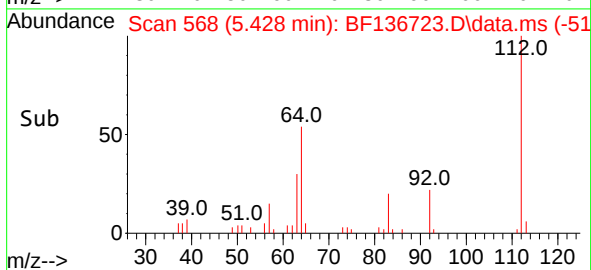
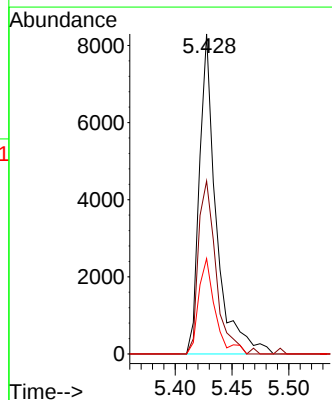
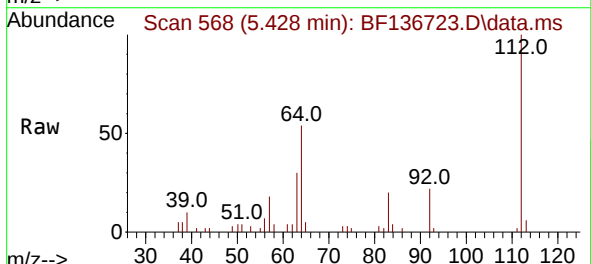
Instrument :  
BNA\_F  
ClientSampleId :  
RT-SB-05-10.25-11.25RE

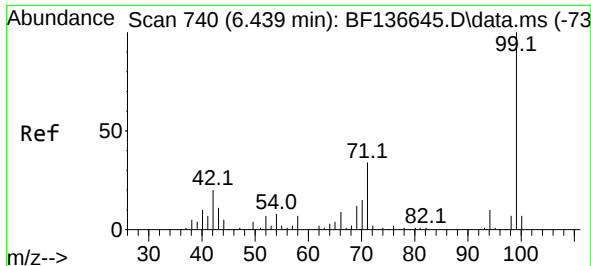
Tgt Ion:152 Resp: 70410  
Ion Ratio Lower Upper  
152 100  
150 158.9 127.0 190.6  
115 60.8 49.0 73.4



#5  
2-Fluorophenol  
Concen: 1.897 ng  
RT: 5.428 min Scan# 568  
Delta R.T. -0.000 min  
Lab File: BF136723.D  
Acq: 26 Dec 2023 17:09

Tgt Ion:112 Resp: 8561  
Ion Ratio Lower Upper  
112 100  
64 54.1 51.1 76.7  
63 29.8 26.1 39.1

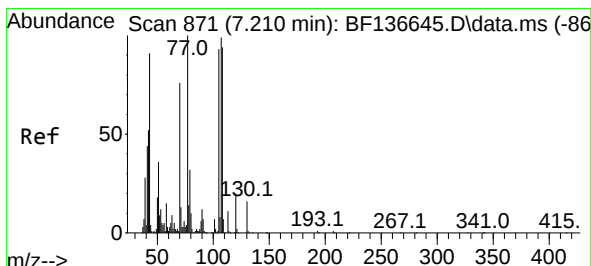
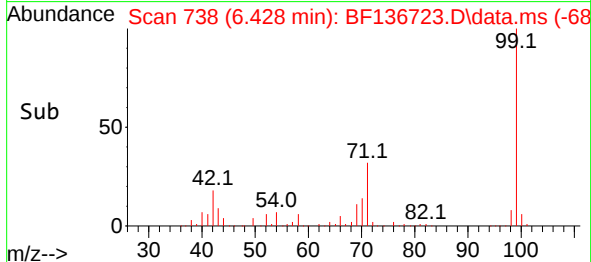
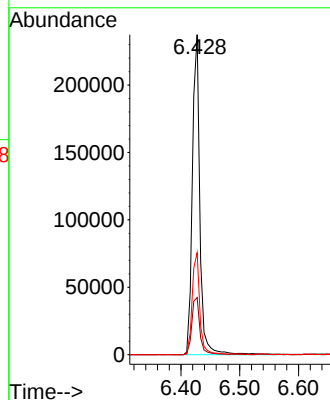
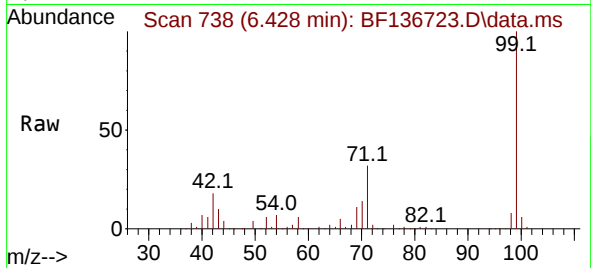




#7  
Phenol-d6  
Concen: 36.057 ng  
RT: 6.428 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF136723.D  
Acq: 26 Dec 2023 17:09

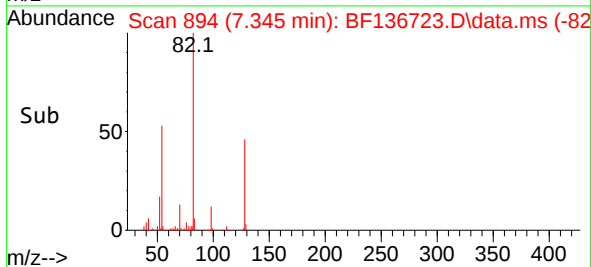
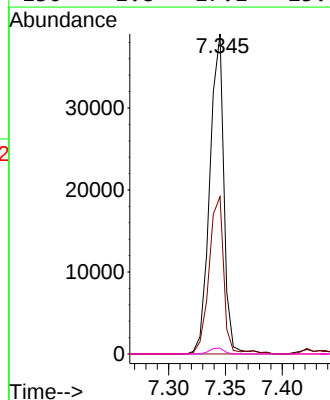
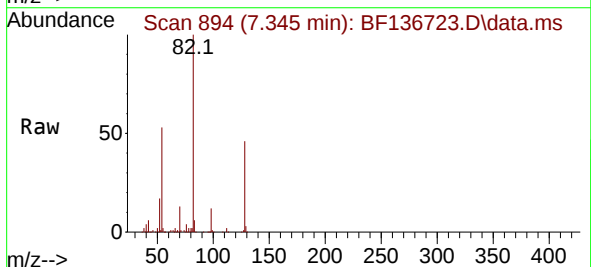
Instrument :  
BNA\_F  
ClientSampleId :  
RT-SB-05-10.25-11.25RE

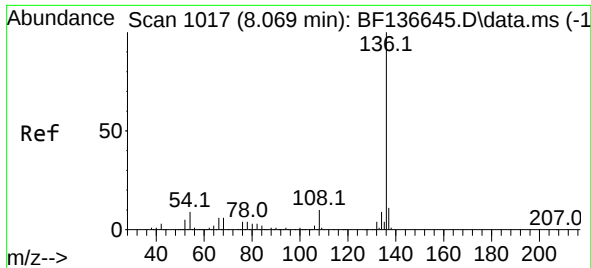
Tgt Ion: 99 Resp: 210837  
Ion Ratio Lower Upper  
99 100  
42 17.8 16.1 24.1  
71 31.9 27.4 41.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 9.509 ng  
RT: 7.345 min Scan# 894  
Delta R.T. 0.135 min  
Lab File: BF136723.D  
Acq: 26 Dec 2023 17:09

Tgt Ion: 70 Resp: 33704  
Ion Ratio Lower Upper  
70 100  
42 49.1 54.2 81.4#  
101 0.0 7.6 11.4#  
130 1.8 17.1 25.7#

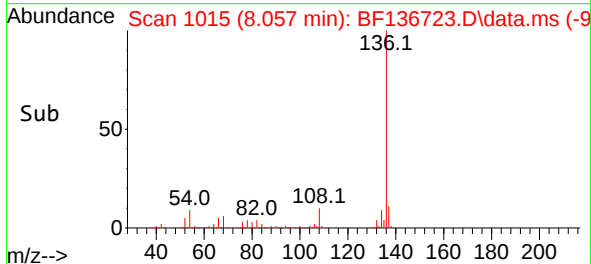
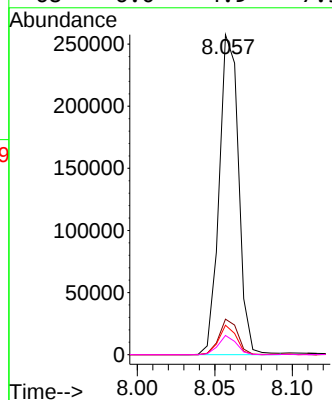
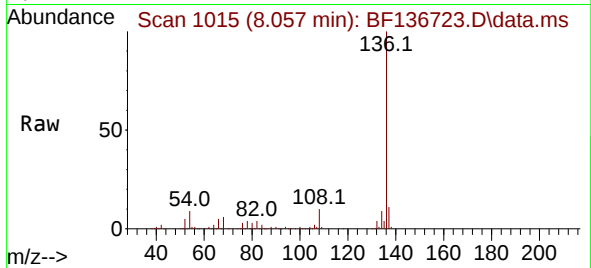




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.057 min Scan# 1017  
Delta R.T. -0.012 min  
Lab File: BF136723.D  
Acq: 26 Dec 2023 17:09

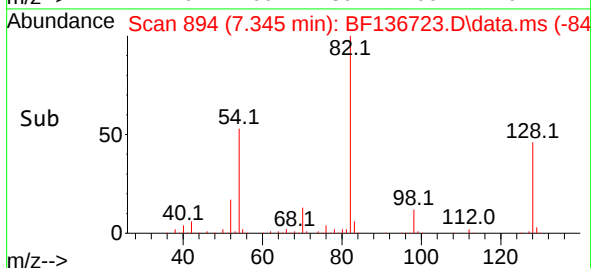
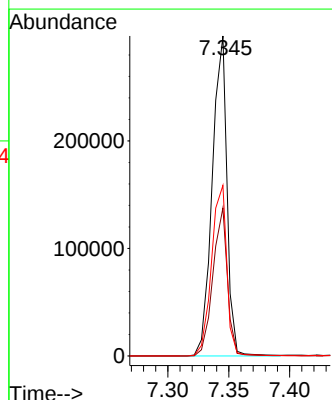
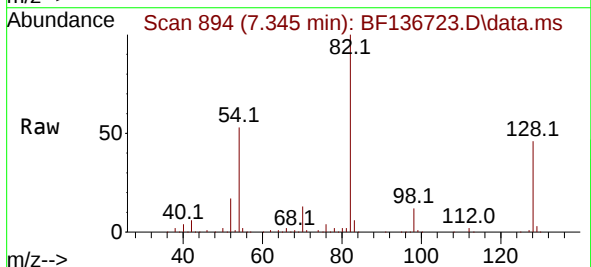
Instrument :  
BNA\_F  
ClientSampleId :  
RT-SB-05-10.25-11.25RE

Tgt Ion:136 Resp: 224283  
Ion Ratio Lower Upper  
136 100  
137 11.1 9.0 13.4  
54 9.2 7.2 10.8  
68 6.0 4.9 7.3



#23  
Nitrobenzene-d5  
Concen: 56.997 ng  
RT: 7.345 min Scan# 894  
Delta R.T. -0.012 min  
Lab File: BF136723.D  
Acq: 26 Dec 2023 17:09

Tgt Ion: 82 Resp: 249820  
Ion Ratio Lower Upper  
82 100  
128 46.2 35.3 52.9  
54 53.3 44.5 66.7

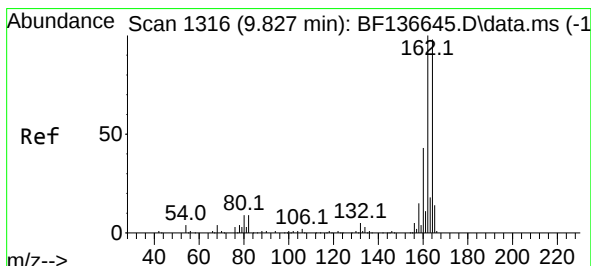
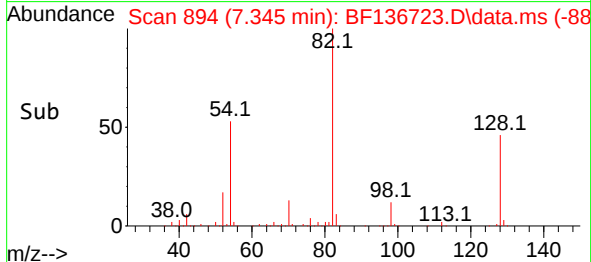
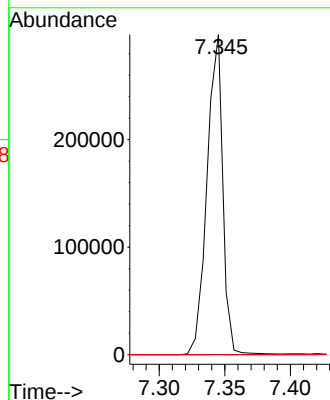
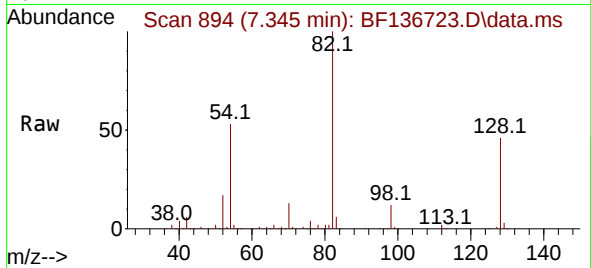




#25  
Isophorone  
Concen: 31.324 ng  
RT: 7.345 min Scan# 894  
Delta R.T. -0.271 min  
Lab File: BF136723.D  
Acq: 26 Dec 2023 17:09

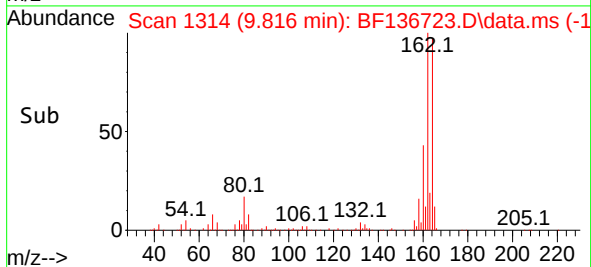
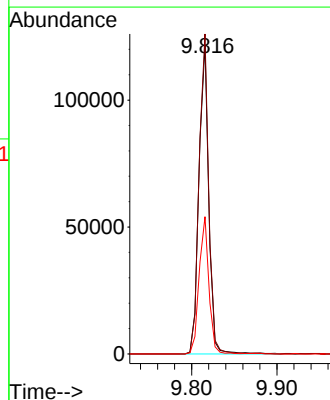
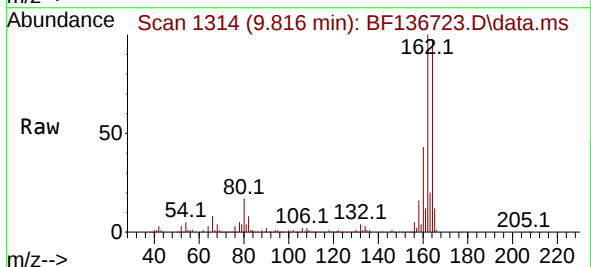
Instrument :  
BNA\_F  
ClientSampleId :  
RT-SB-05-10.25-11.25RE

Tgt Ion: 82 Resp: 249817  
Ion Ratio Lower Upper  
82 100  
95 0.1 5.5 8.3#  
138 0.0 14.5 21.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. -0.012 min  
Lab File: BF136723.D  
Acq: 26 Dec 2023 17:09

Tgt Ion:164 Resp: 97400  
Ion Ratio Lower Upper  
164 100  
162 103.5 81.6 122.4  
160 44.4 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 0.092 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136723.D

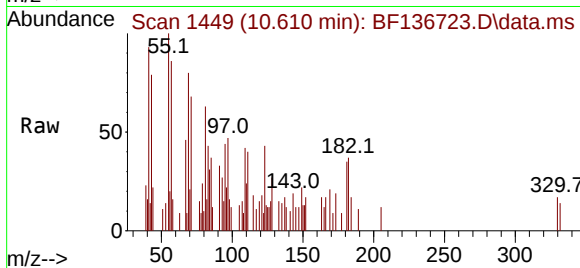
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Instrument :

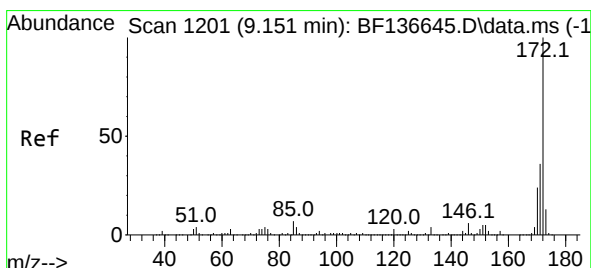
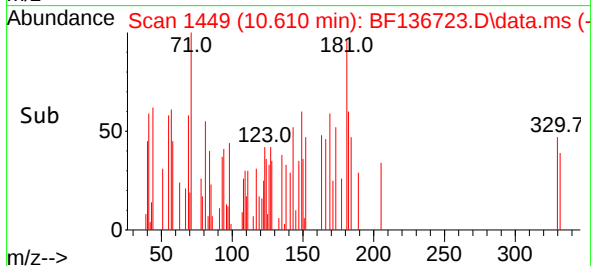
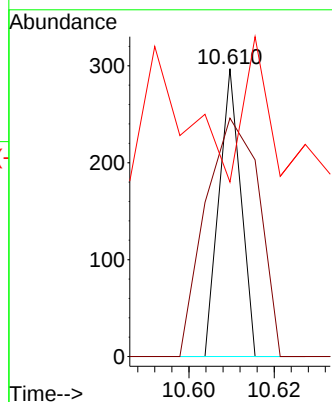
BNA\_F

ClientSampleId :

RT-SB-05-10.25-11.25RE



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 105    |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 204.8 | 77.4  | 116.0# |
| 141       | 444.8 | 23.4  | 35.2#  |



#45

2-Fluorobiphenyl

Concen: 61.927 ng

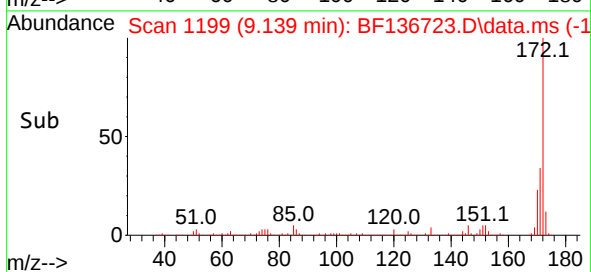
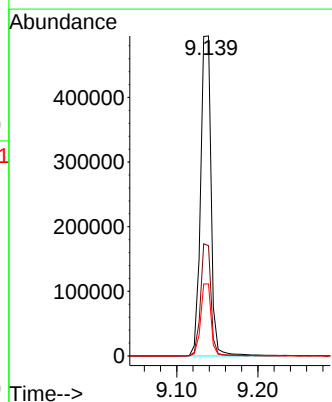
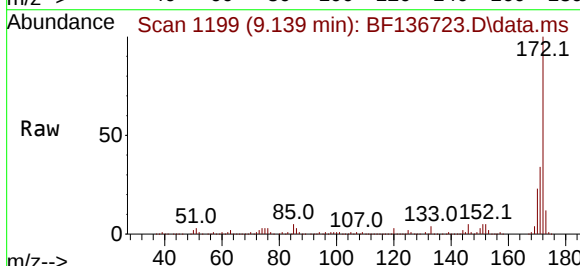
RT: 9.139 min Scan# 1199

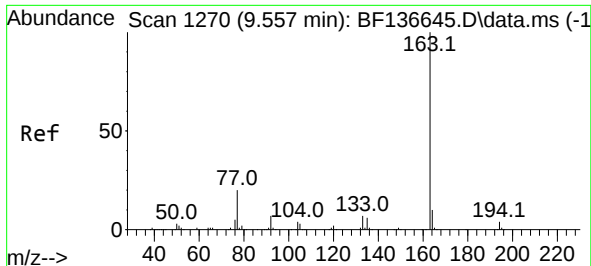
Delta R.T. -0.012 min

Lab File: BF136723.D

Acq: 26 Dec 2023 17:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 172   | Resp: | 448459 |
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 34.4  | 29.0  | 43.6   |
| 170       | 22.5  | 19.0  | 28.4   |

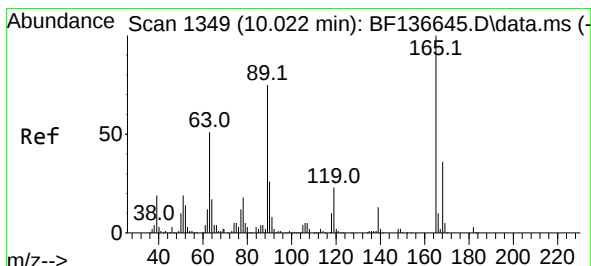
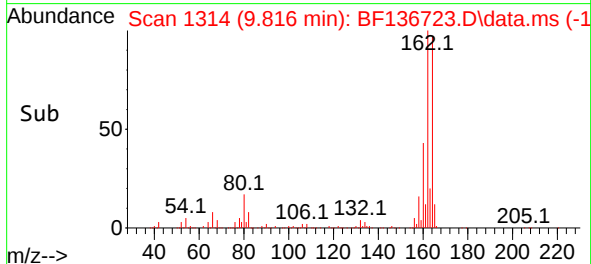
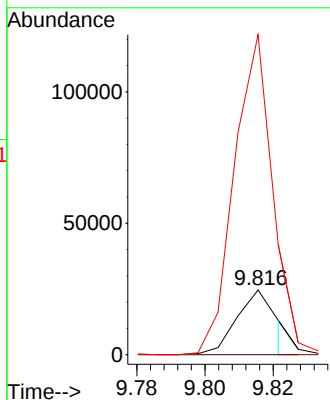
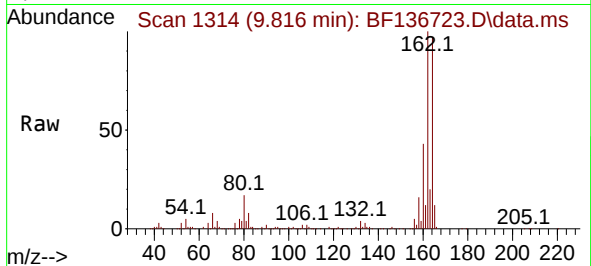




#50  
Dimethylphthalate  
Concen: 2.756 ng  
RT: 9.816 min Scan# 11  
Delta R.T. 0.259 min  
Lab File: BF136723.D  
Acq: 26 Dec 2023 17:09

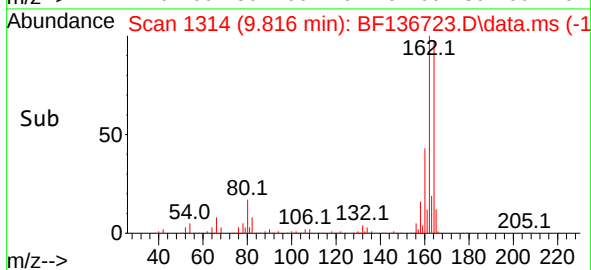
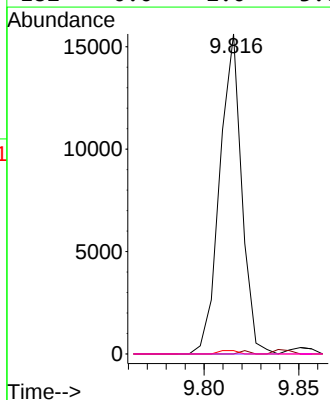
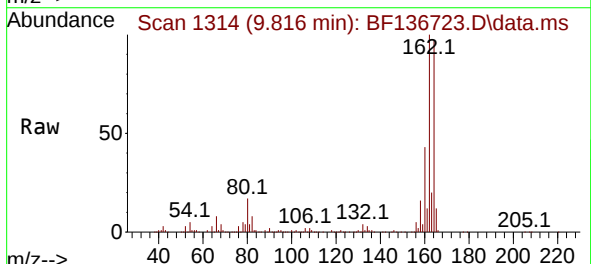
Instrument :  
BNA\_F  
ClientSampleId :  
RT-SB-05-10.25-11.25RE

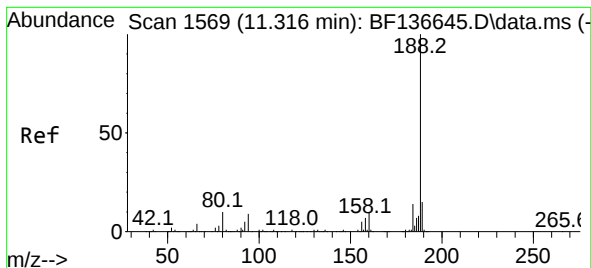
Tgt Ion:163 Resp: 19610  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.3 4.9#  
164 495.0 7.8 11.6#



#57  
2,4-Dinitrotoluene  
Concen: 6.019 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. -0.206 min  
Lab File: BF136723.D  
Acq: 26 Dec 2023 17:09

Tgt Ion:165 Resp: 12616  
Ion Ratio Lower Upper  
165 100  
63 0.0 41.0 61.6#  
89 1.0 59.9 89.9#  
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136723.D

Acq: 26 Dec 2023 17:09

Instrument :

BNA\_F

ClientSampleId :

RT-SB-05-10.25-11.25RE

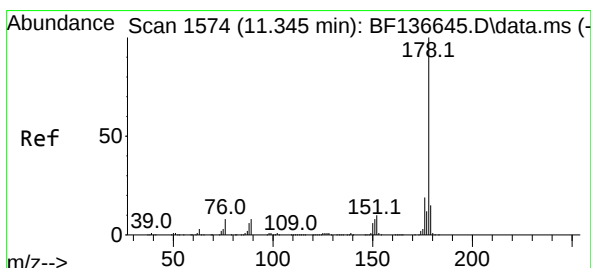
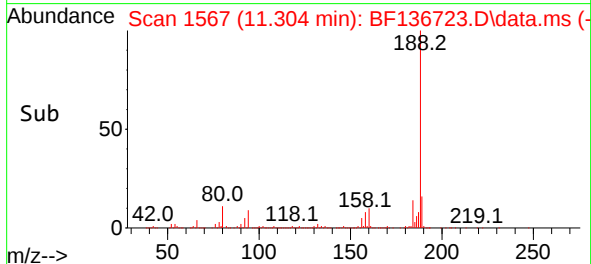
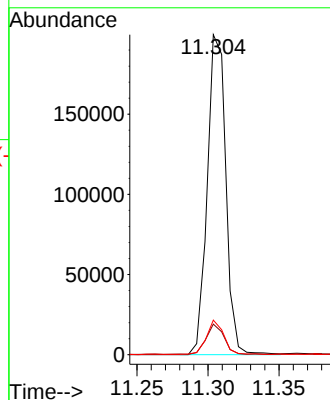
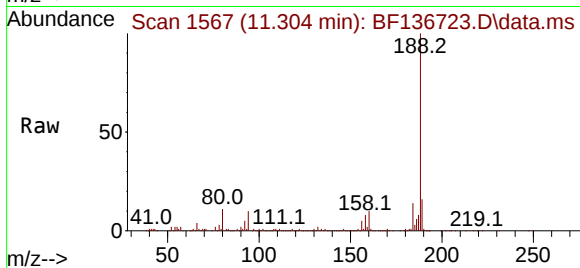
Tgt Ion:188 Resp: 181501

Ion Ratio Lower Upper

188 100

94 9.6 7.5 11.3

80 10.8 8.1 12.1



#71

Phenanthrene

Concen: 6.328 ng

RT: 11.327 min Scan# 1571

Delta R.T. -0.018 min

Lab File: BF136723.D

Acq: 26 Dec 2023 17:09

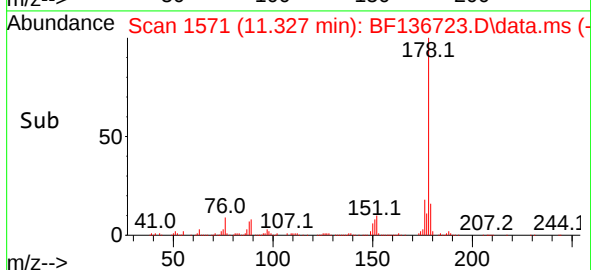
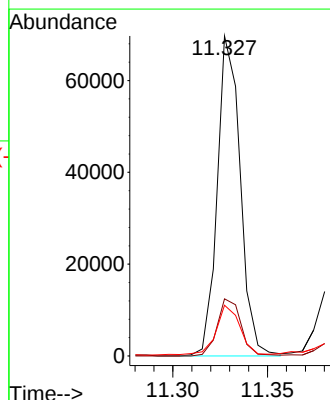
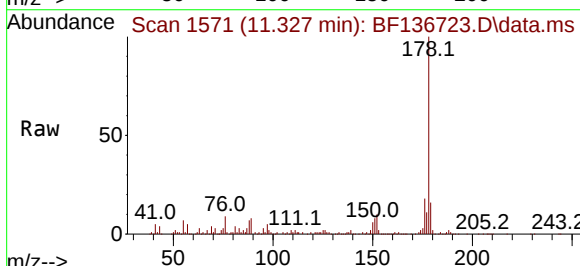
Tgt Ion:178 Resp: 58929

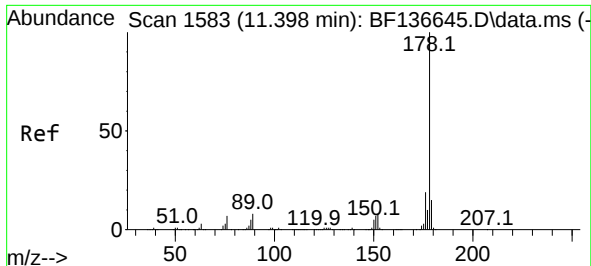
Ion Ratio Lower Upper

178 100

176 17.9 15.3 22.9

179 15.9 11.9 17.9

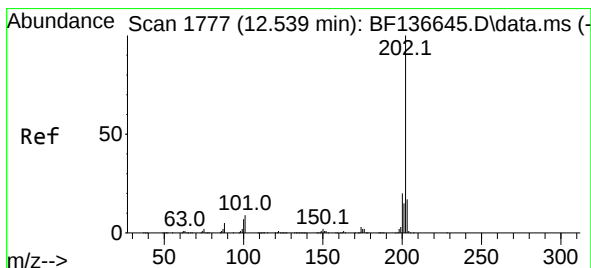
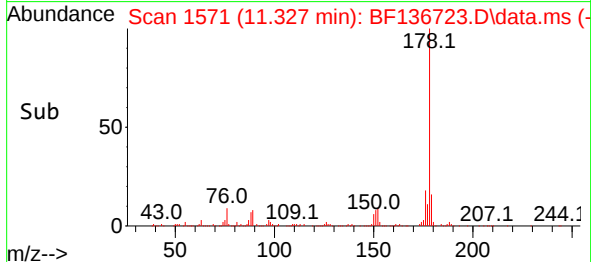
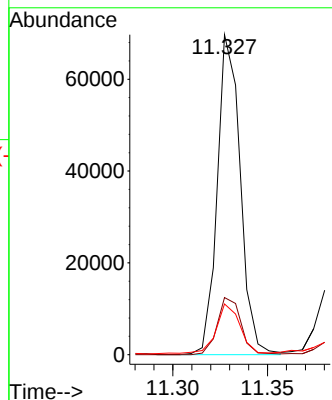
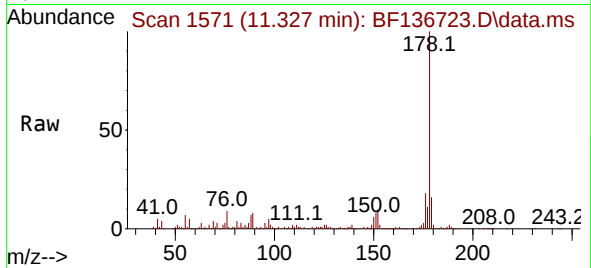




#72  
 Anthracene  
 Concen: 6.248 ng  
 RT: 11.327 min Scan# 11  
 Delta R.T. -0.071 min  
 Lab File: BF136723.D  
 Acq: 26 Dec 2023 17:09

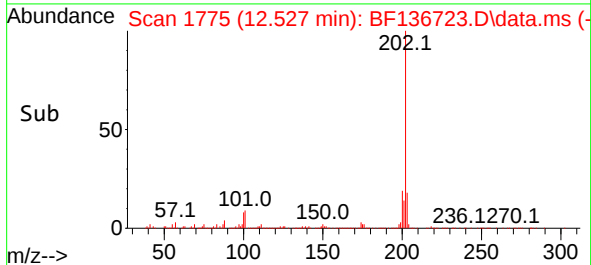
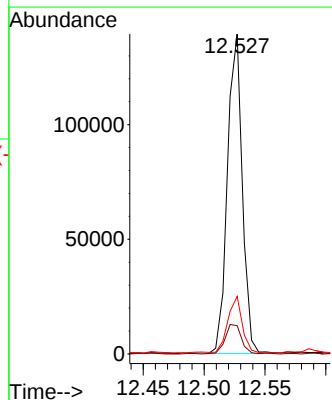
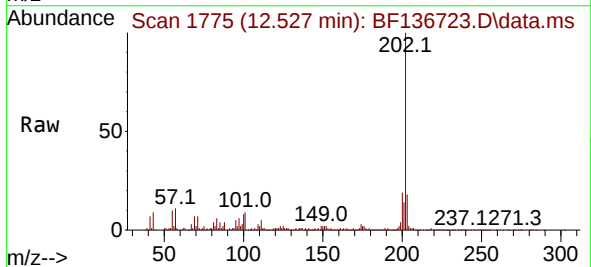
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RT-SB-05-10.25-11.25RE

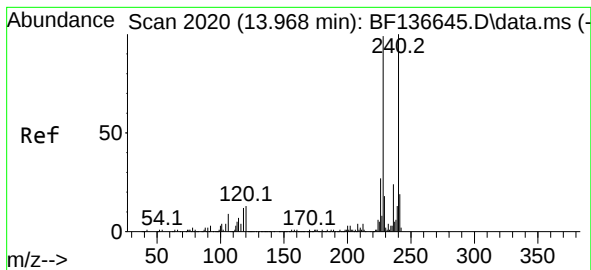
Tgt Ion:178 Resp: 58929  
 Ion Ratio Lower Upper  
 178 100  
 176 17.9 14.9 22.3  
 179 15.9 11.8 17.6



#75  
 Fluoranthene  
 Concen: 11.905 ng  
 RT: 12.527 min Scan# 1775  
 Delta R.T. -0.012 min  
 Lab File: BF136723.D  
 Acq: 26 Dec 2023 17:09

Tgt Ion:202 Resp: 118596  
 Ion Ratio Lower Upper  
 202 100  
 101 8.9 0.0 29.3  
 203 18.0 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.962 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136723.D

Acq: 26 Dec 2023 17:09

Instrument :

BNA\_F

ClientSampleId :

RT-SB-05-10.25-11.25RE

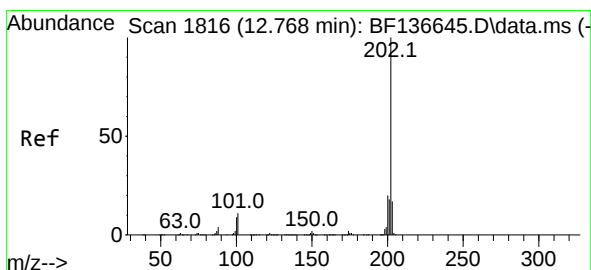
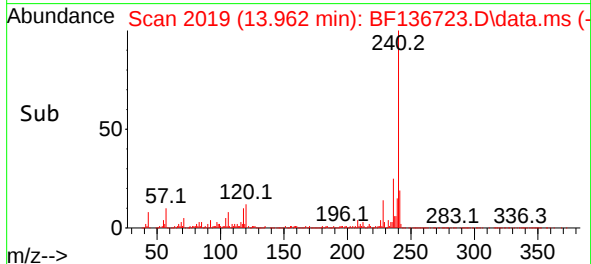
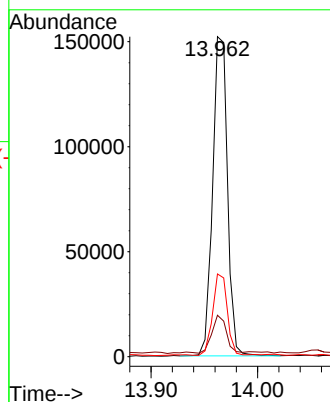
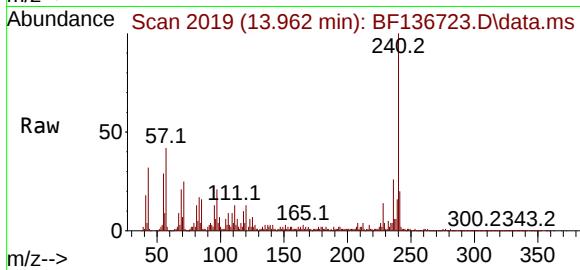
Tgt Ion:240 Resp: 147086

Ion Ratio Lower Upper

240 100

120 13.0 10.3 15.5

236 25.8 19.4 29.2



#78

Pyrene

Concen: 7.152 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136723.D

Acq: 26 Dec 2023 17:09

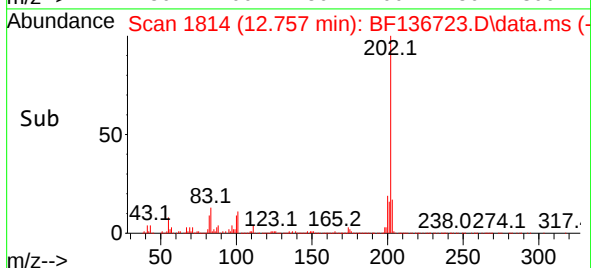
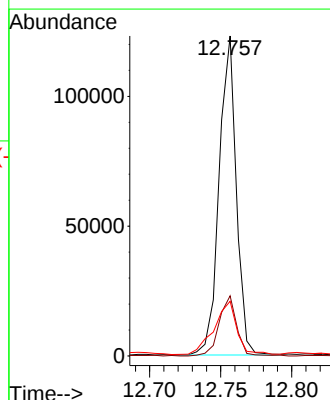
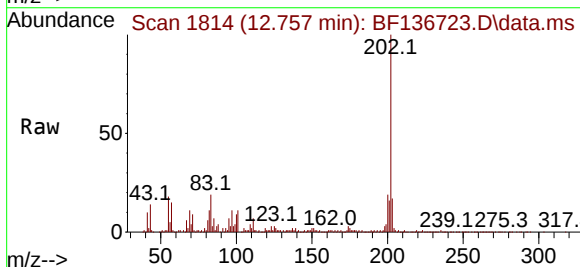
Tgt Ion:202 Resp: 103269

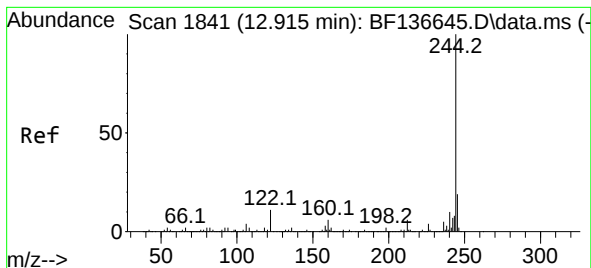
Ion Ratio Lower Upper

202 100

200 18.8 15.9 23.9

203 17.1 13.8 20.6





#79

Terphenyl-d14

Concen: 47.920 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136723.D

Acq: 26 Dec 2023 17:09

Instrument :

BNA\_F

ClientSampleId :

RT-SB-05-10.25-11.25RE

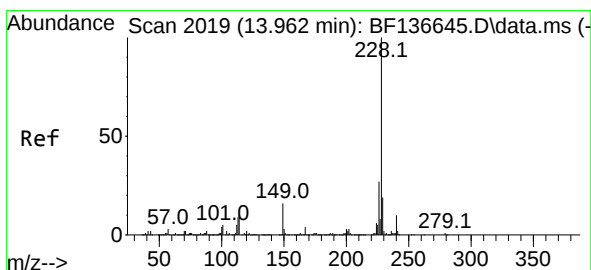
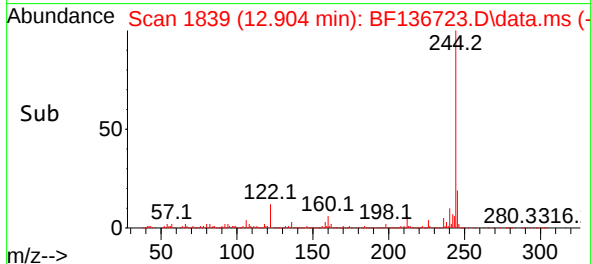
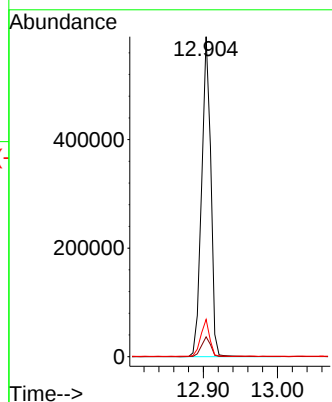
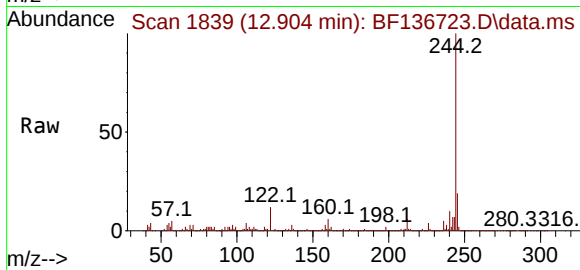
Tgt Ion:244 Resp: 504364

Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.4

122 11.6 9.0 13.4



#81

Benzo(a)anthracene

Concen: 5.028 ng

RT: 13.956 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF136723.D

Acq: 26 Dec 2023 17:09

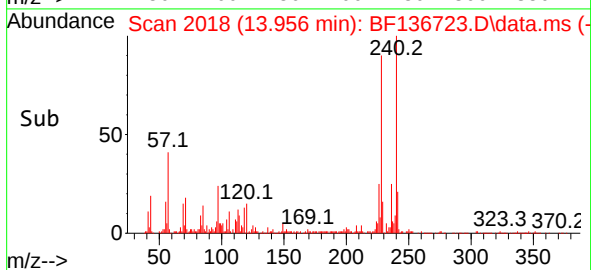
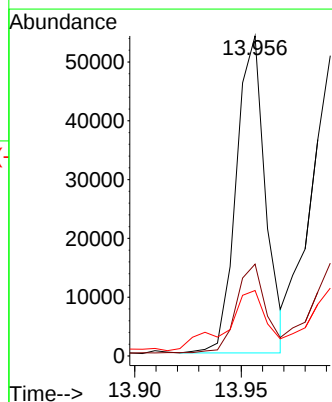
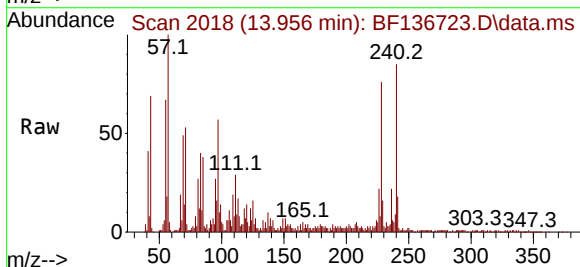
Tgt Ion:228 Resp: 51354

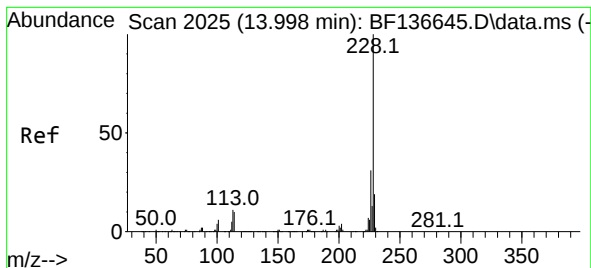
Ion Ratio Lower Upper

228 100

226 28.7 21.4 32.0

229 20.5 14.9 22.3





#83

Chrysene

Concen: 5.044 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136723.D

Acq: 26 Dec 2023 17:09

Instrument :

BNA\_F

ClientSampleId :

RT-SB-05-10.25-11.25RE

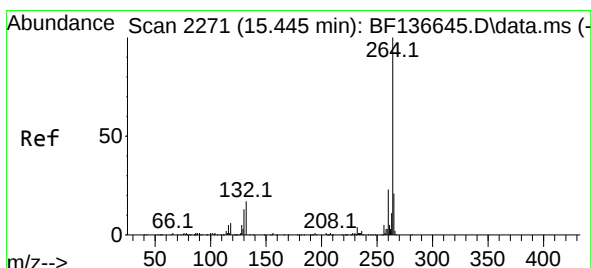
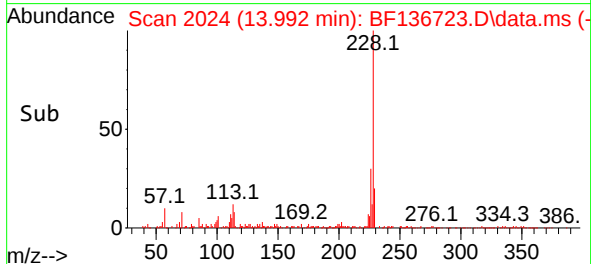
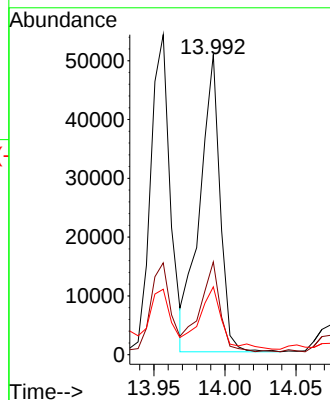
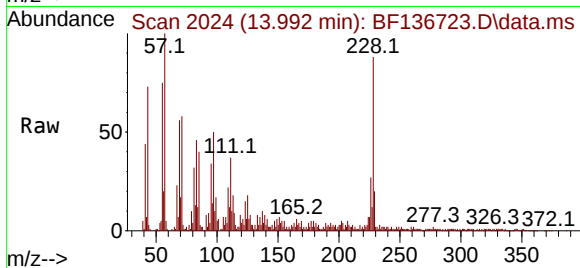
Tgt Ion:228 Resp: 50383

Ion Ratio Lower Upper

228 100

226 30.9 24.7 37.1

229 22.6 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. 0.006 min

Lab File: BF136723.D

Acq: 26 Dec 2023 17:09

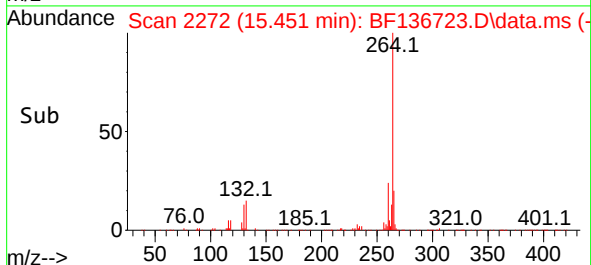
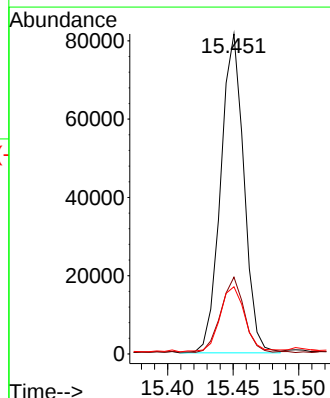
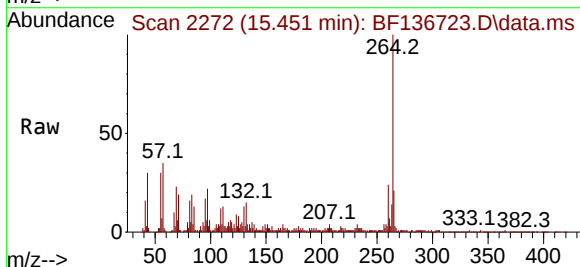
Tgt Ion:264 Resp: 100169

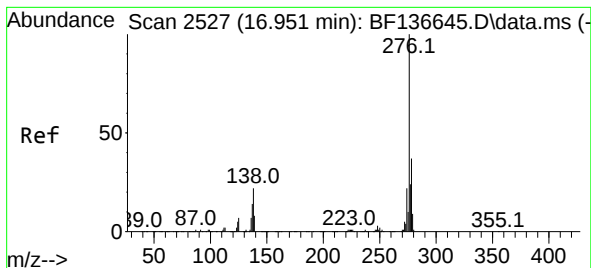
Ion Ratio Lower Upper

264 100

260 24.0 18.3 27.5

265 21.0 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.574 ng

RT: 16.945 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF136723.D

Acq: 26 Dec 2023 17:09

Instrument :

BNA\_F

ClientSampleId :

RT-SB-05-10.25-11.25RE

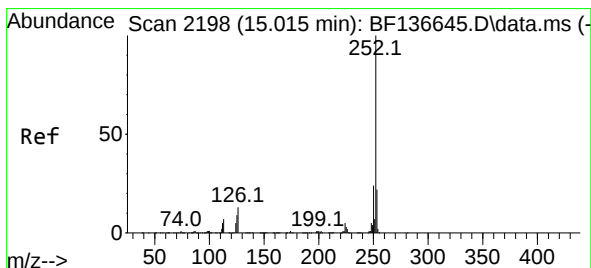
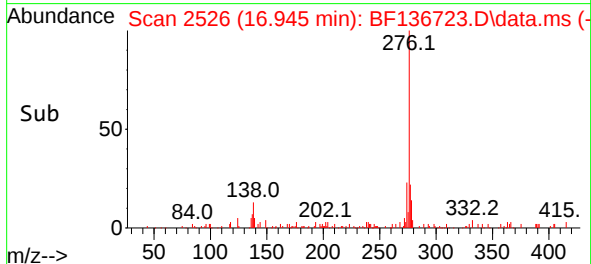
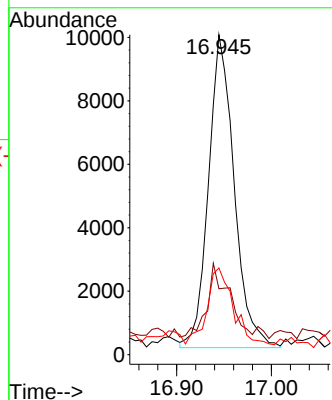
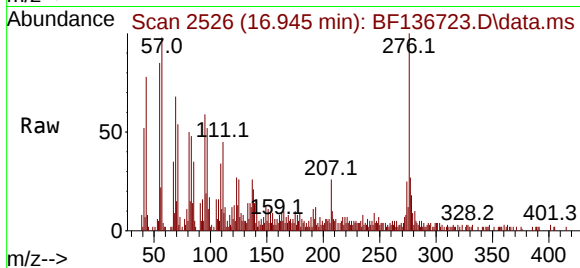
Tgt Ion:276 Resp: 18613

Ion Ratio Lower Upper

276 100

138 19.9 18.7 28.1

277 24.8 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 8.647 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.000 min

Lab File: BF136723.D

Acq: 26 Dec 2023 17:09

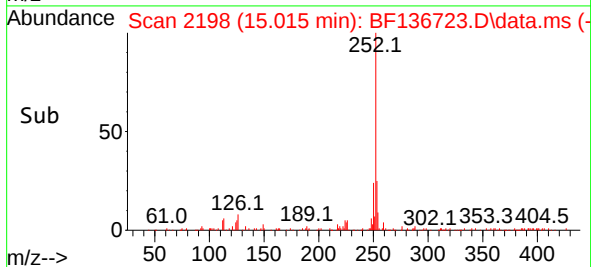
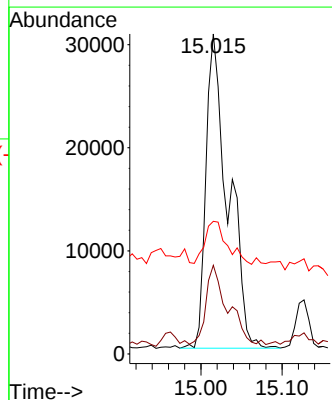
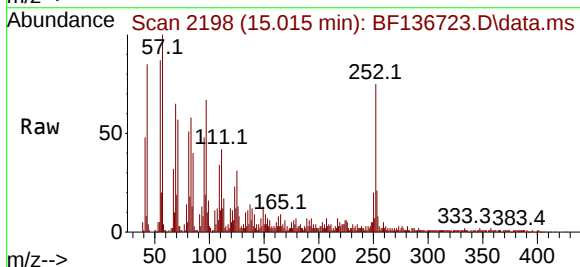
Tgt Ion:252 Resp: 57849

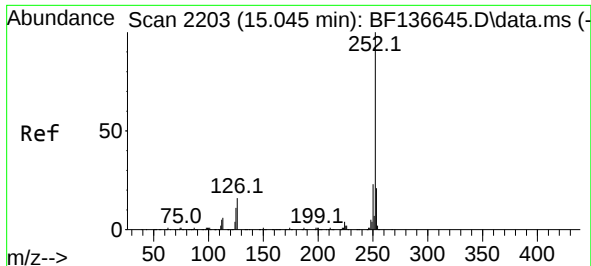
Ion Ratio Lower Upper

252 100

253 27.7 17.4 26.0#

125 41.5 7.4 11.2#

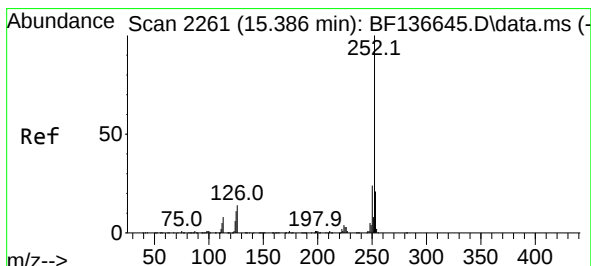
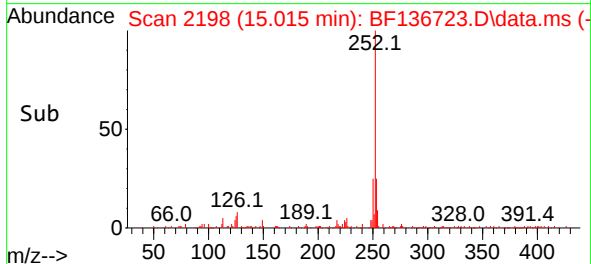
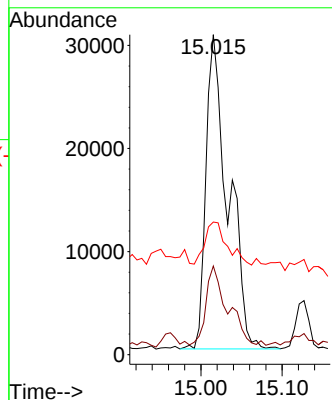
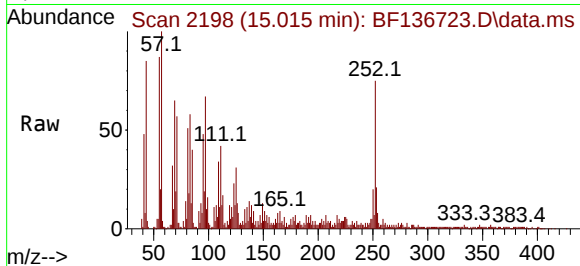




#89  
Benzo(k)fluoranthene  
Concen: 9.151 ng  
RT: 15.015 min Scan# 2198  
Delta R.T. -0.030 min  
Lab File: BF136723.D  
Acq: 26 Dec 2023 17:09

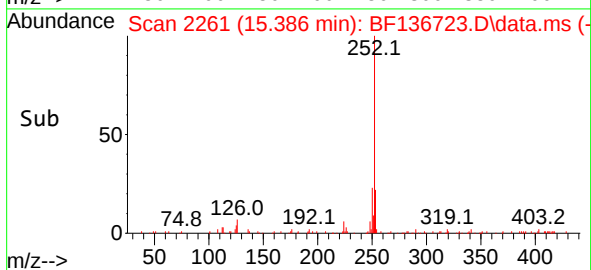
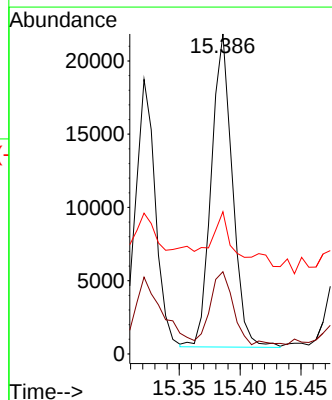
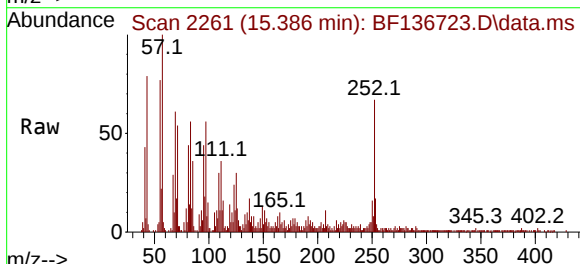
Instrument :  
BNA\_F  
ClientSampleId :  
RT-SB-05-10.25-11.25RE

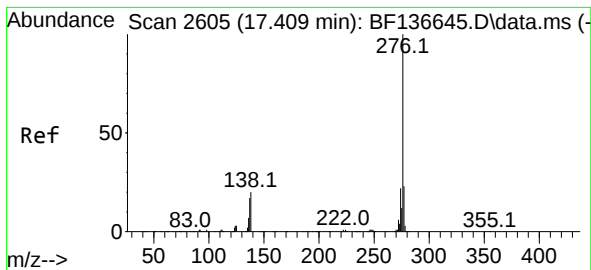
Tgt Ion:252 Resp: 57849  
Ion Ratio Lower Upper  
252 100  
253 27.7 17.0 25.6#  
125 41.5 8.2 12.4#



#90  
Benzo(a)pyrene  
Concen: 4.567 ng  
RT: 15.386 min Scan# 2261  
Delta R.T. -0.000 min  
Lab File: BF136723.D  
Acq: 26 Dec 2023 17:09

Tgt Ion:252 Resp: 25789  
Ion Ratio Lower Upper  
252 100  
253 25.7 17.0 25.6#  
125 44.5 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 2.856 ng

RT: 17.403 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136723.D

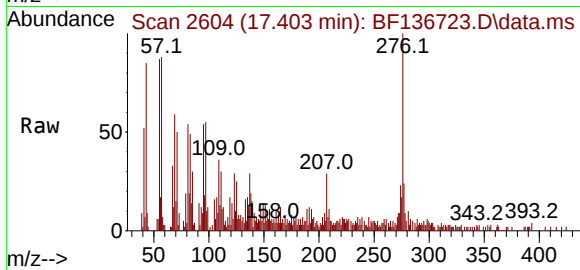
Acq: 26 Dec 2023 17:09

Instrument :

BNA\_F

ClientSampleId :

RT-SB-05-10.25-11.25RE



Tgt Ion:276 Resp: 17354

Ion Ratio Lower Upper

276 100

277 23.6 18.3 27.5

138 19.1 15.6 23.4

