

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF073124\  
 Data File : BF138705.D  
 Acq On : 31 Jul 2024 16:30  
 Operator : RC/JU  
 Sample : P3387-05  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-10-Full Waste Class

Quant Time: Jul 31 16:54:28 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF073024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 30 17:50:01 2024  
 Response via : Initial Calibration

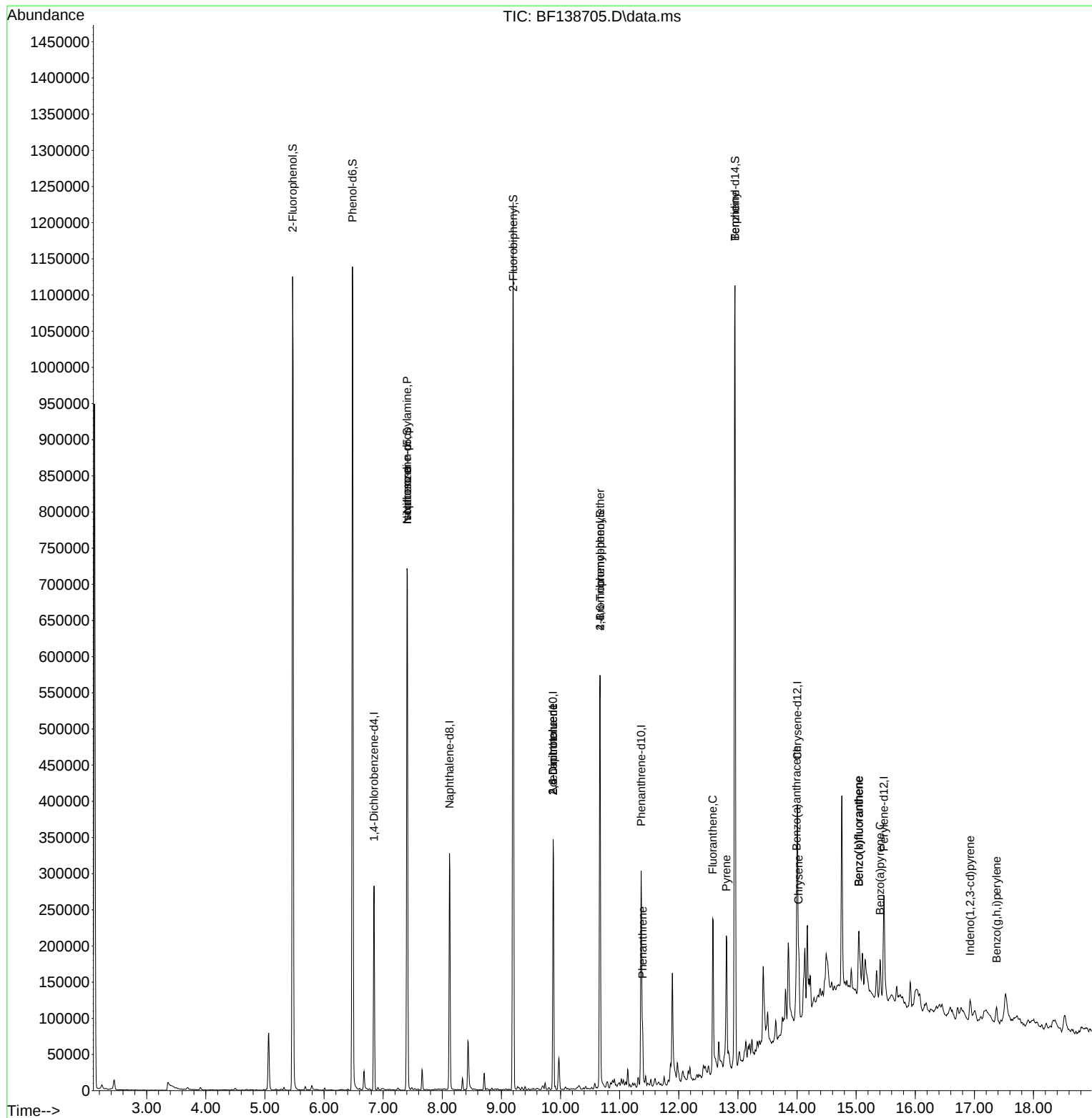
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.846  | 152  | 54165    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 195813   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.875  | 164  | 87396    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.363 | 188  | 142995   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.004 | 240  | 106301   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.469 | 264  | 76928    | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.469  | 112  | 378693   | 107.924 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.481  | 99   | 504480   | 107.085 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.404  | 82   | 320018   | 79.903  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 83078    | 116.049 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.198  | 172  | 499353   | 85.848  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 514824   | 81.086  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.404  | 70   | 42647    | 14.988  | ng    | # 76     |
| 25) Isophorone                | 7.404  | 82   | 318769   | 46.612  | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.875  | 165  | 11192    | 8.874   | ng    | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.875  | 165  | 11192    | 6.956   | ng    | # 19     |
| 67) 4-Bromophenyl-phenylether | 10.669 | 248  | 5883     | 3.800   | ng    | # 1      |
| 71) Phenanthrene              | 11.386 | 178  | 39389    | 5.350   | ng    | 99       |
| 75) Fluoranthene              | 12.575 | 202  | 114759   | 16.695  | ng    | 99       |
| 77) Benzidine                 | 12.951 | 184  | 6665     | 2.621   | ng    | # 92     |
| 78) Pyrene                    | 12.804 | 202  | 103336   | 10.325  | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.992 | 228  | 49113    | 6.709   | ng    | 95       |
| 83) Chrysene                  | 14.027 | 228  | 47997    | 7.268   | ng    | 95       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.927 | 276  | 18742    | 3.400   | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.045 | 252  | 66215    | 13.885  | ng    | # 94     |
| 89) Benzo(k)fluoranthene      | 15.045 | 252  | 66215    | 16.037  | ng    | # 94     |
| 90) Benzo(a)pyrene            | 15.404 | 252  | 28580    | 7.125   | ng    | # 91     |
| 92) Benzo(g,h,i)perylene      | 17.374 | 276  | 19478    | 4.148   | ng    | 94       |
| -----                         |        |      |          |         |       |          |

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

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Sample : P3387-05  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-10-Full Waste Class

Quant Time: Jul 31 16:54:28 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF073024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 30 17:50:01 2024  
Response via : Initial Calibration

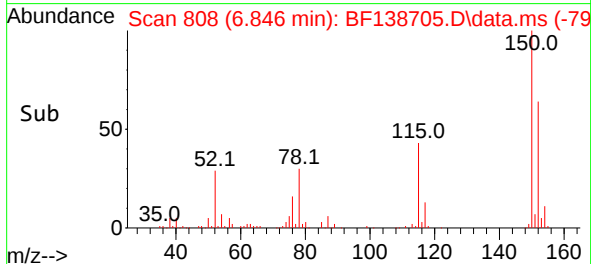
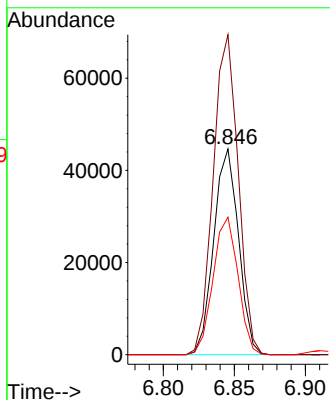
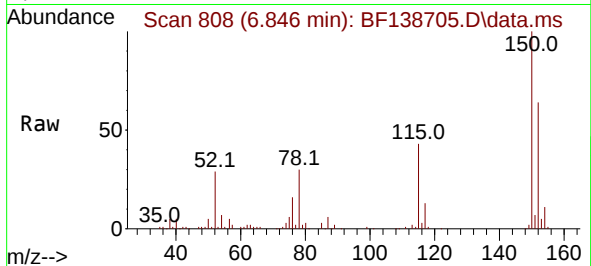




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.846 min Scan# 808  
Delta R.T. 0.001 min  
Lab File: BF138705.D  
Acq: 31 Jul 2024 16:30

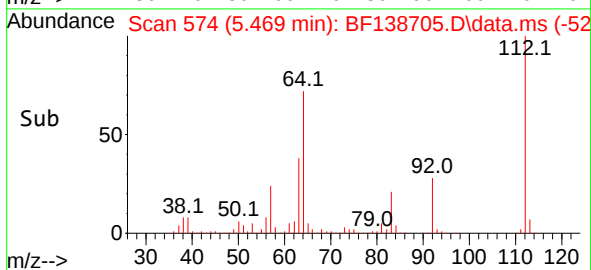
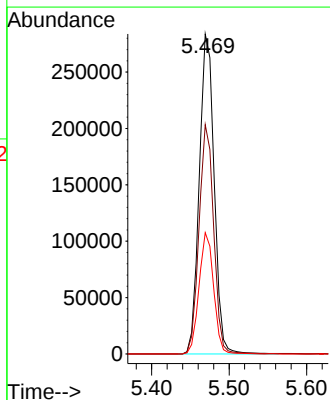
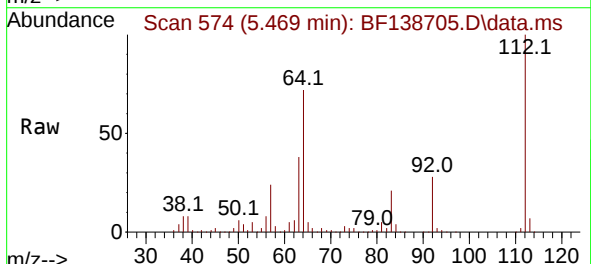
Instrument :  
BNA\_F  
ClientSampleId :  
WC-10-Full Waste Class

Tgt Ion:152 Resp: 54165  
Ion Ratio Lower Upper  
152 100  
150 155.6 126.0 189.0  
115 66.8 51.7 77.5



#5  
2-Fluorophenol  
Concen: 107.924 ng  
RT: 5.469 min Scan# 574  
Delta R.T. 0.000 min  
Lab File: BF138705.D  
Acq: 31 Jul 2024 16:30

Tgt Ion:112 Resp: 378693  
Ion Ratio Lower Upper  
112 100  
64 71.6 54.2 81.4  
63 37.9 28.7 43.1

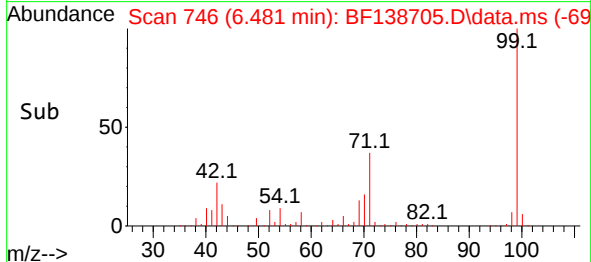
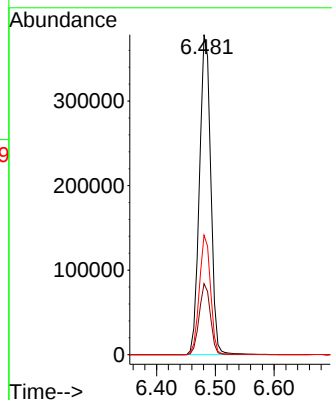
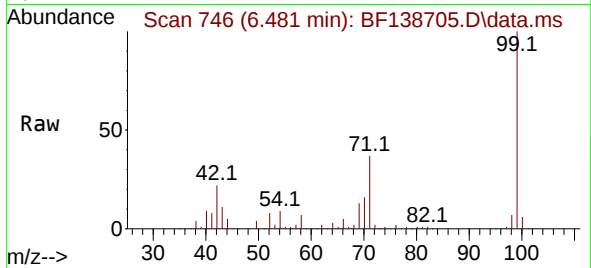




#7  
Phenol-d6  
Concen: 107.085 ng  
RT: 6.481 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: BF138705.D  
Acq: 31 Jul 2024 16:30

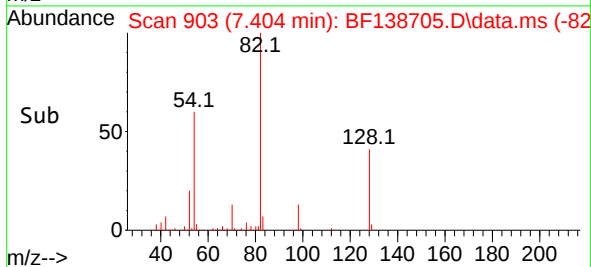
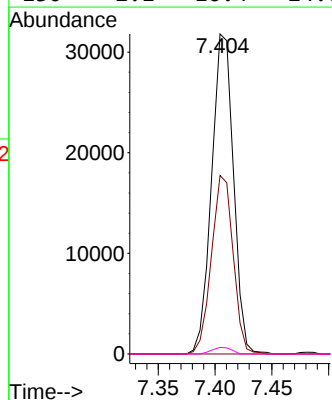
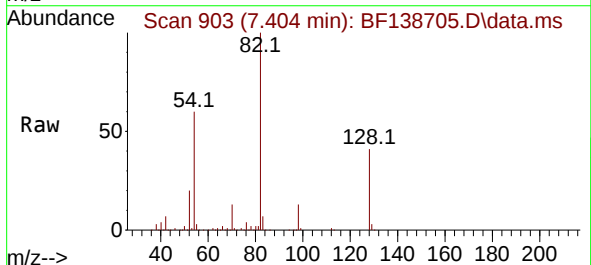
Instrument :  
BNA\_F  
ClientSampleId :  
WC-10-Full Waste Class

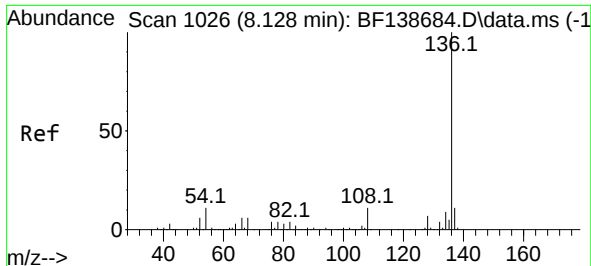
Tgt Ion: 99 Resp: 504480  
Ion Ratio Lower Upper  
99 100  
42 22.2 17.4 26.0  
71 37.3 28.1 42.1



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.988 ng  
RT: 7.404 min Scan# 903  
Delta R.T. 0.147 min  
Lab File: BF138705.D  
Acq: 31 Jul 2024 16:30

Tgt Ion: 70 Resp: 42647  
Ion Ratio Lower Upper  
70 100  
42 55.8 57.4 86.0#  
101 0.0 7.5 11.3#  
130 2.1 16.4 24.6#

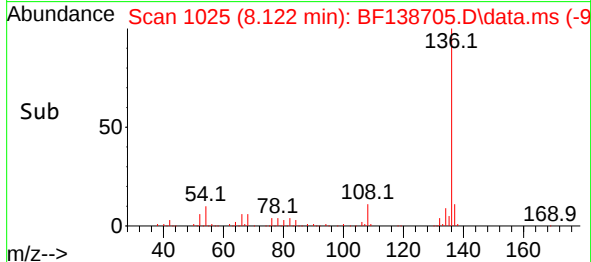
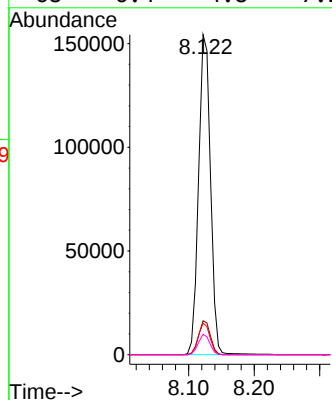
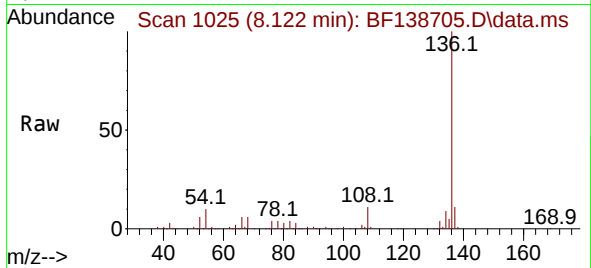




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.122 min Scan# 1025  
Delta R.T. -0.006 min  
Lab File: BF138705.D  
Acq: 31 Jul 2024 16:30

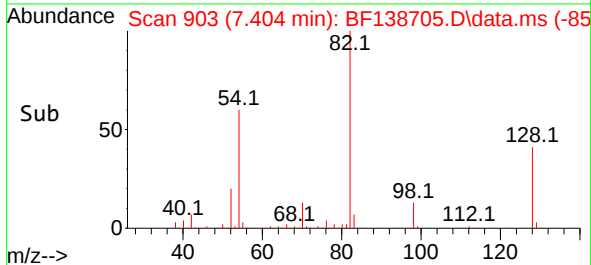
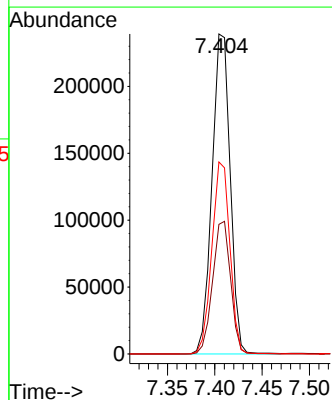
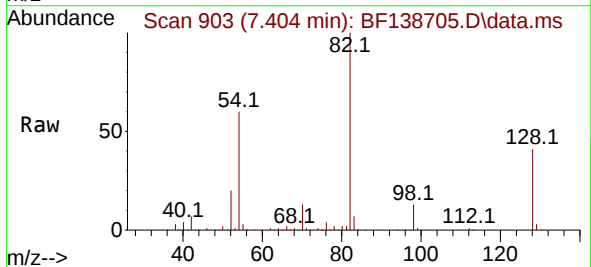
Instrument :  
BNA\_F  
ClientSampleId :  
WC-10-Full Waste Class

Tgt Ion:136 Resp: 195813  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.9 13.3  
54 9.9 8.6 12.8  
68 6.4 4.8 7.2



#23  
Nitrobenzene-d5  
Concen: 79.903 ng  
RT: 7.404 min Scan# 903  
Delta R.T. -0.006 min  
Lab File: BF138705.D  
Acq: 31 Jul 2024 16:30

Tgt Ion: 82 Resp: 320018  
Ion Ratio Lower Upper  
82 100  
128 40.5 32.8 49.2  
54 60.0 48.3 72.5

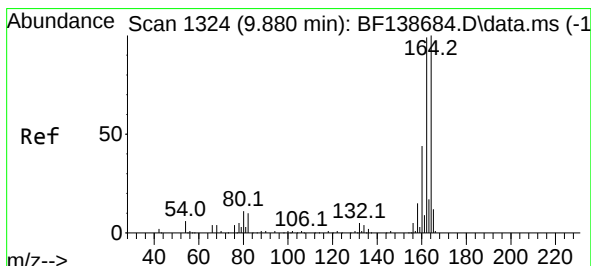
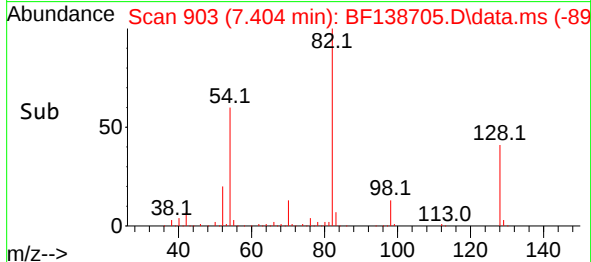
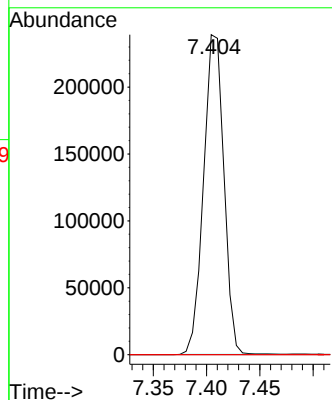
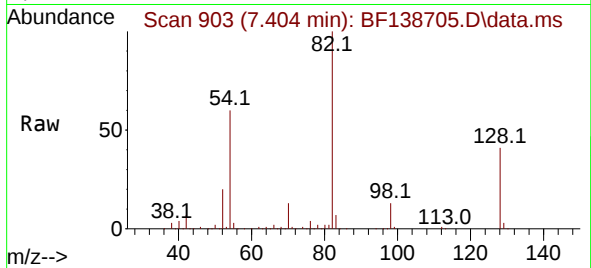




#25  
Isophorone  
Concen: 46.612 ng  
RT: 7.404 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF138705.D  
Acq: 31 Jul 2024 16:30

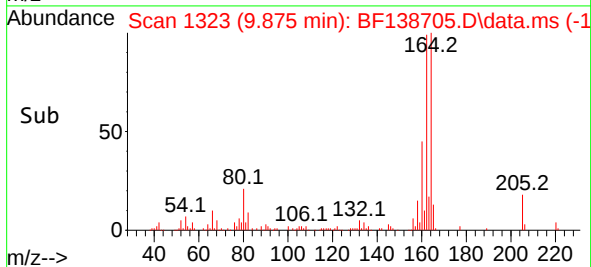
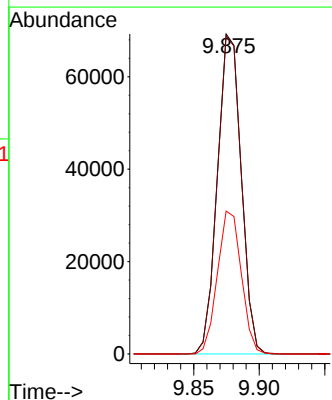
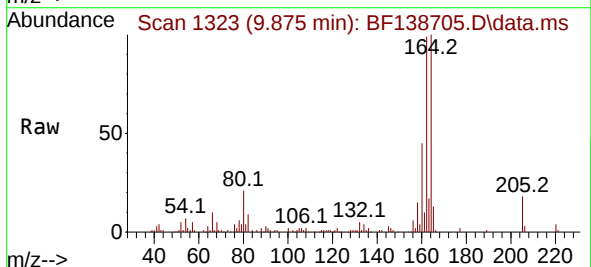
Instrument :  
BNA\_F  
ClientSampleId :  
WC-10-Full Waste Class

Tgt Ion: 82 Resp: 318769  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 13.7 20.5#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.875 min Scan# 1323  
Delta R.T. -0.005 min  
Lab File: BF138705.D  
Acq: 31 Jul 2024 16:30

Tgt Ion:164 Resp: 87396  
Ion Ratio Lower Upper  
164 100  
162 99.5 79.4 119.0  
160 44.7 35.1 52.7

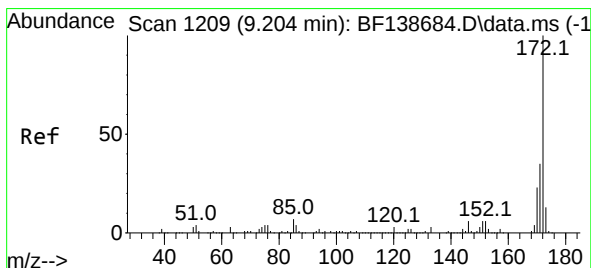
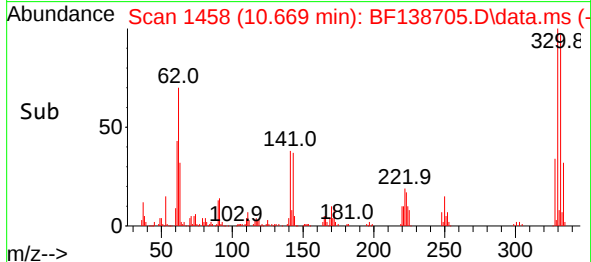
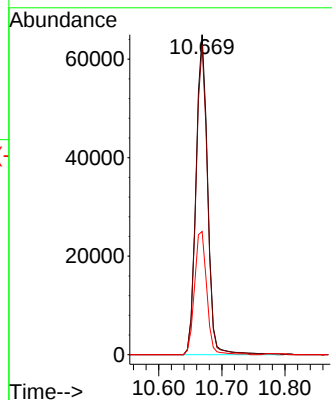
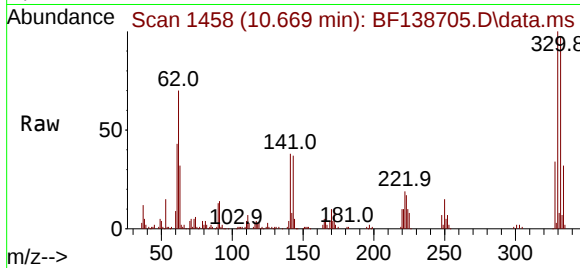




#42  
2,4,6-Tribromophenol  
Concen: 116.049 ng  
RT: 10.669 min Scan# 1458  
Delta R.T. 0.000 min  
Lab File: BF138705.D  
Acq: 31 Jul 2024 16:30

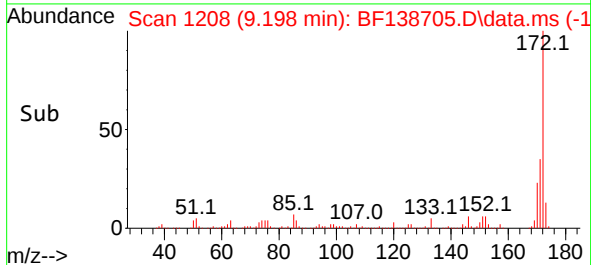
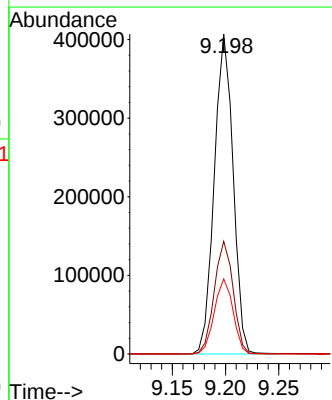
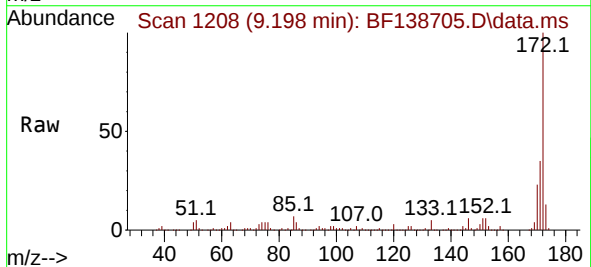
Instrument :  
BNA\_F  
ClientSampleId :  
WC-10-Full Waste Class

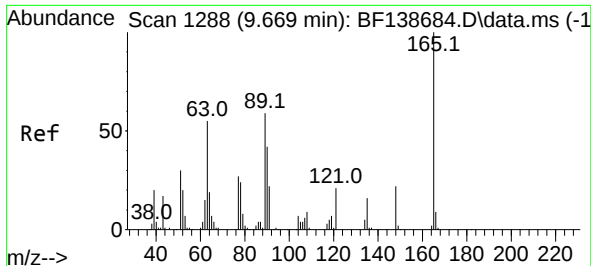
Tgt Ion: 330 Resp: 83078  
Ion Ratio Lower Upper  
330 100  
332 95.9 76.4 114.6  
141 40.4 31.1 46.7



#45  
2-Fluorobiphenyl  
Concen: 85.848 ng  
RT: 9.198 min Scan# 1208  
Delta R.T. -0.006 min  
Lab File: BF138705.D  
Acq: 31 Jul 2024 16:30

Tgt Ion: 172 Resp: 499353  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.3 42.5  
170 23.5 18.8 28.2

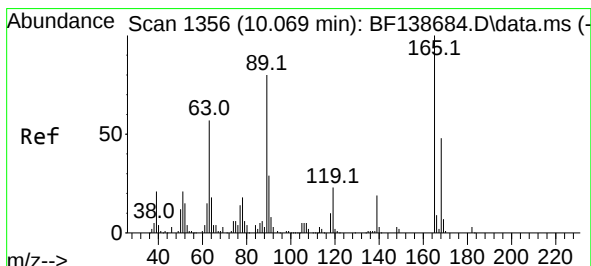
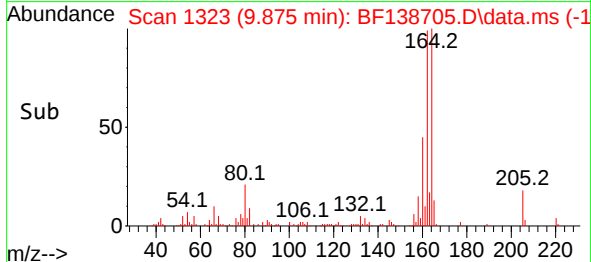
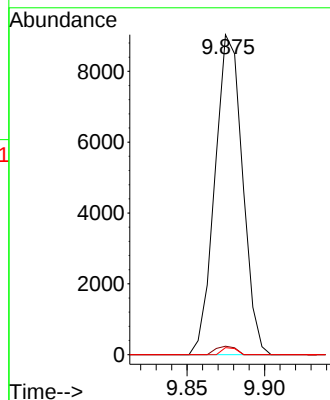
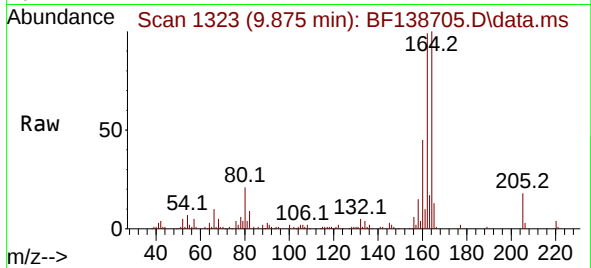




#51  
2,6-Dinitrotoluene  
Concen: 8.874 ng  
RT: 9.875 min Scan# 11  
Delta R.T. 0.206 min  
Lab File: BF138705.D  
Acq: 31 Jul 2024 16:30

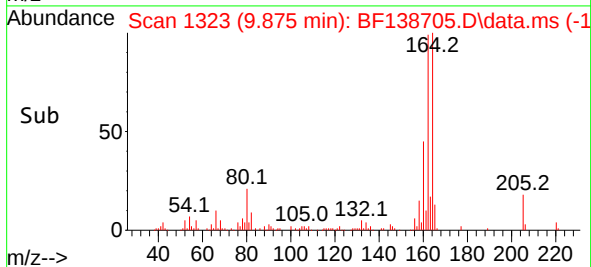
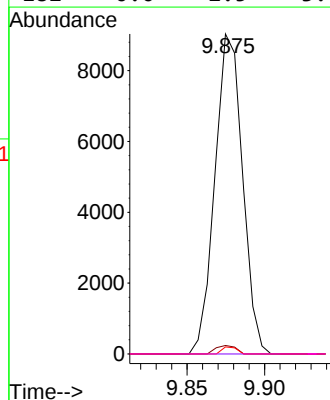
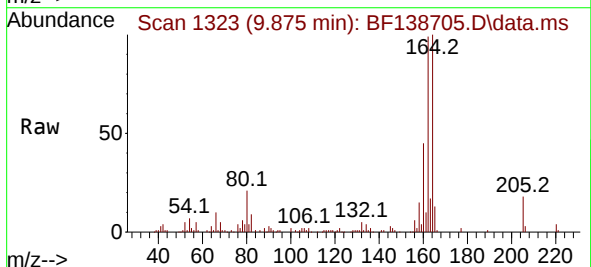
Instrument :  
BNA\_F  
ClientSampleId :  
WC-10-Full Waste Class

Tgt Ion:165 Resp: 11192  
Ion Ratio Lower Upper  
165 100  
63 2.6 52.0 78.0#  
89 2.2 47.0 70.6#



#57  
2,4-Dinitrotoluene  
Concen: 6.956 ng  
RT: 9.875 min Scan# 1323  
Delta R.T. -0.194 min  
Lab File: BF138705.D  
Acq: 31 Jul 2024 16:30

Tgt Ion:165 Resp: 11192  
Ion Ratio Lower Upper  
165 100  
63 2.6 46.3 69.5#  
89 2.2 64.2 96.4#  
182 0.0 2.5 3.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138705.D

Acq: 31 Jul 2024 16:30

Instrument :

BNA\_F

ClientSampleId :

WC-10-Full Waste Class

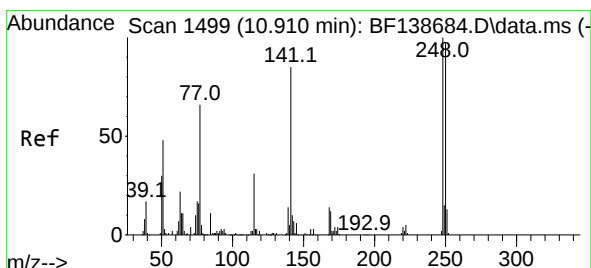
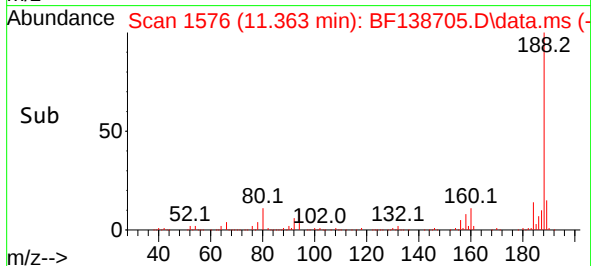
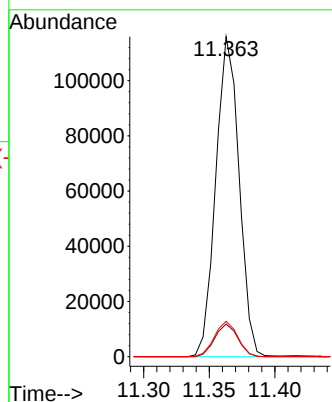
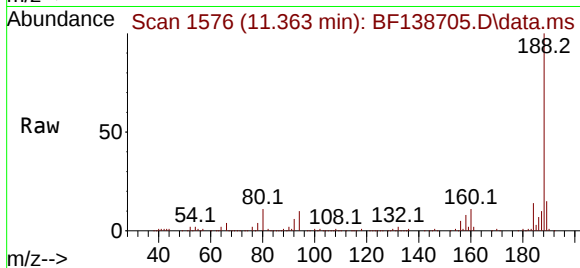
Tgt Ion:188 Resp: 142995

Ion Ratio Lower Upper

188 100

94 10.2 7.6 11.4

80 11.1 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 3.800 ng

RT: 10.669 min Scan# 1458

Delta R.T. -0.241 min

Lab File: BF138705.D

Acq: 31 Jul 2024 16:30

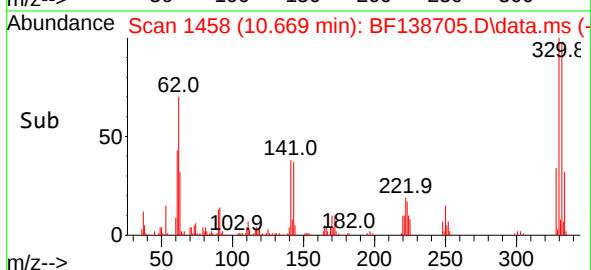
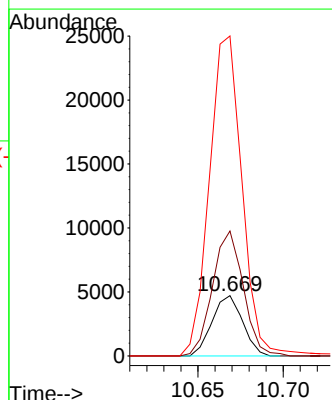
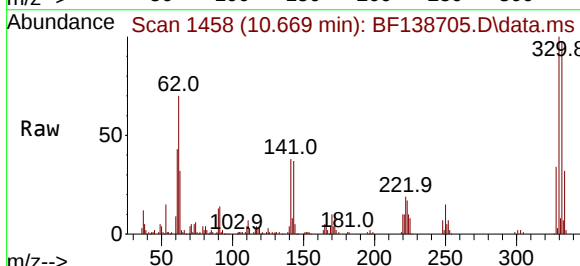
Tgt Ion:248 Resp: 5883

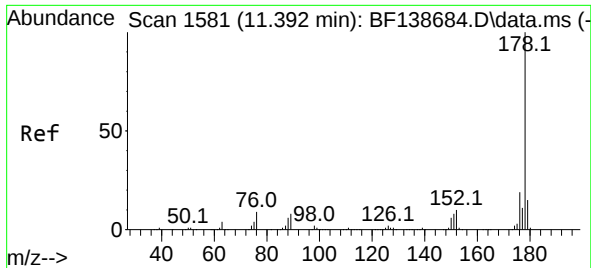
Ion Ratio Lower Upper

248 100

250 207.4 77.7 116.5#

141 530.8 68.0 102.0#

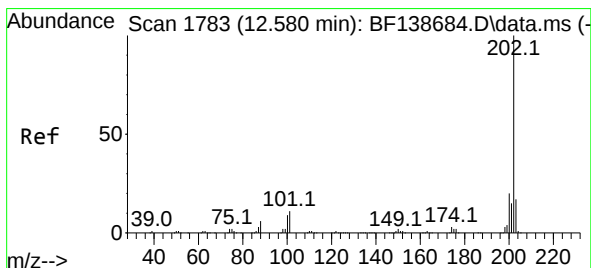
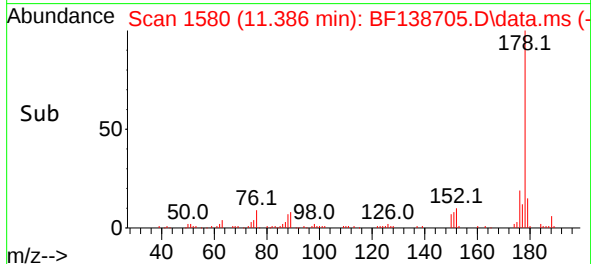
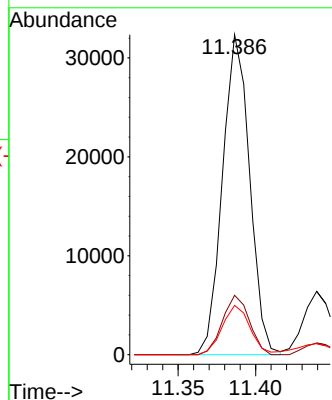
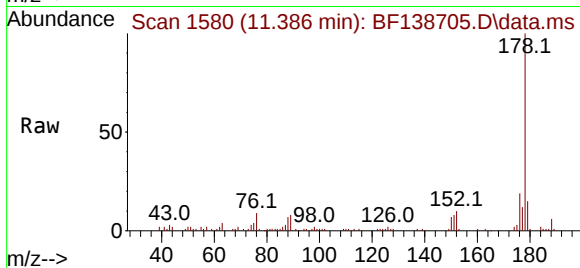




#71  
Phenanthrene  
Concen: 5.350 ng  
RT: 11.386 min Scan# 11386  
Delta R.T. -0.006 min  
Lab File: BF138705.D  
Acq: 31 Jul 2024 16:30

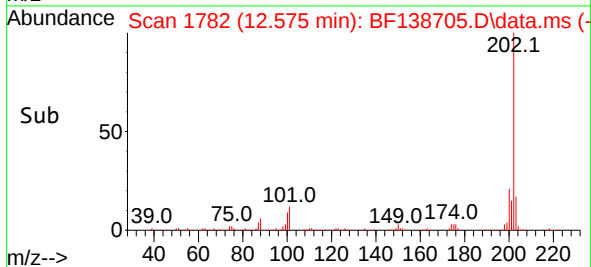
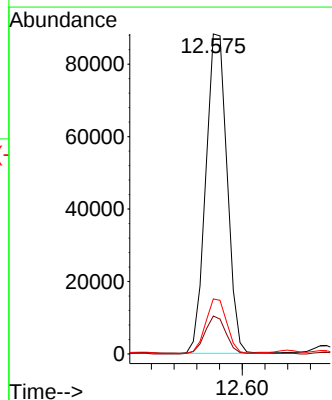
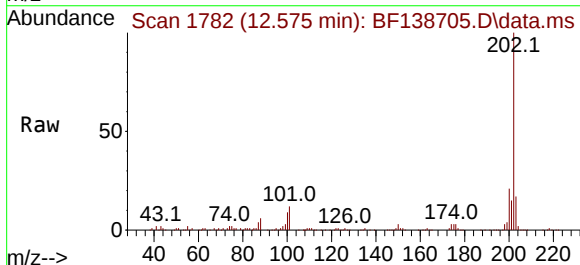
Instrument :  
BNA\_F  
ClientSampleId :  
WC-10-Full Waste Class

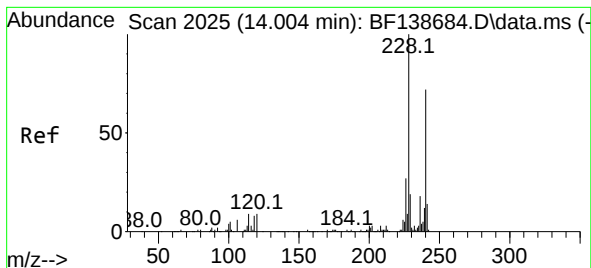
Tgt Ion:178 Resp: 39389  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.4 23.0  
179 15.4 12.2 18.2



#75  
Fluoranthene  
Concen: 16.695 ng  
RT: 12.575 min Scan# 1782  
Delta R.T. -0.006 min  
Lab File: BF138705.D  
Acq: 31 Jul 2024 16:30

Tgt Ion:202 Resp: 114759  
Ion Ratio Lower Upper  
202 100  
101 11.9 0.0 31.2  
203 17.2 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF138705.D

Acq: 31 Jul 2024 16:30

Instrument :

BNA\_F

ClientSampleId :

WC-10-Full Waste Class

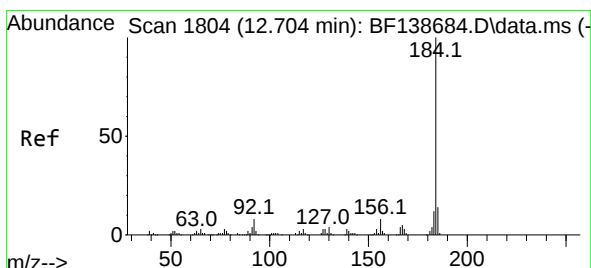
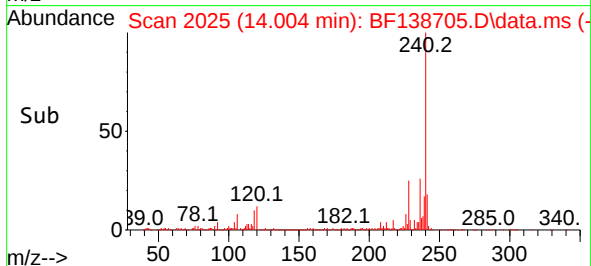
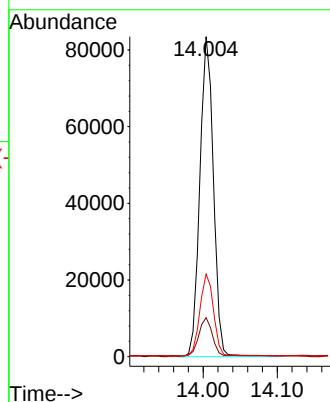
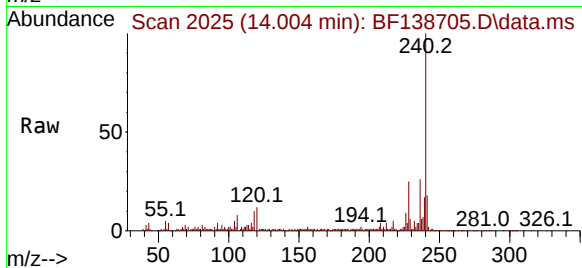
Tgt Ion:240 Resp: 106301

Ion Ratio Lower Upper

240 100

120 12.2 10.2 15.4

236 25.8 19.8 29.8



#77

Benzidine

Concen: 2.621 ng

RT: 12.951 min Scan# 1846

Delta R.T. 0.247 min

Lab File: BF138705.D

Acq: 31 Jul 2024 16:30

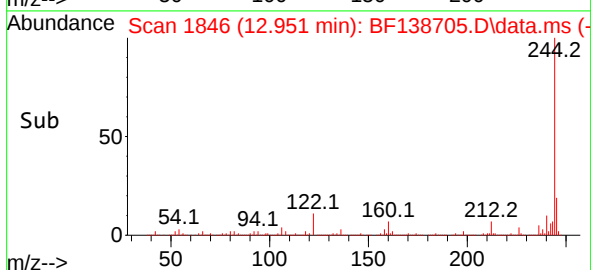
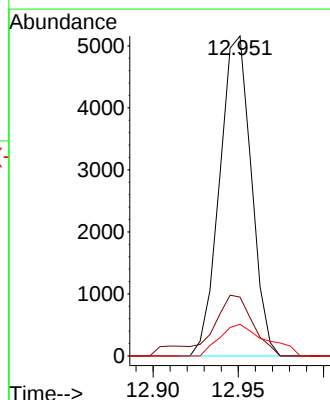
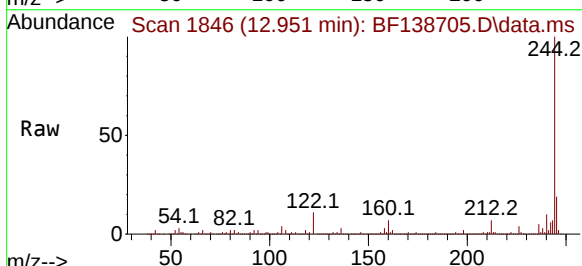
Tgt Ion:184 Resp: 6665

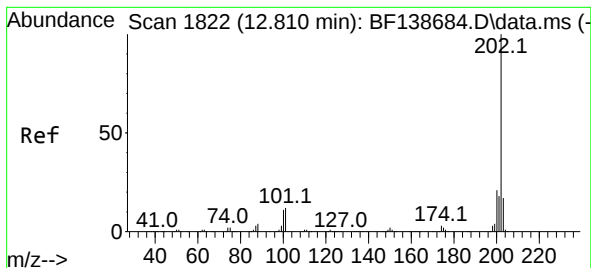
Ion Ratio Lower Upper

184 100

185 18.4 11.1 16.7#

183 9.9 9.6 14.4





#78

Pyrene

Concen: 10.325 ng

RT: 12.804 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF138705.D

Acq: 31 Jul 2024 16:30

Instrument :

BNA\_F

ClientSampleId :

WC-10-Full Waste Class

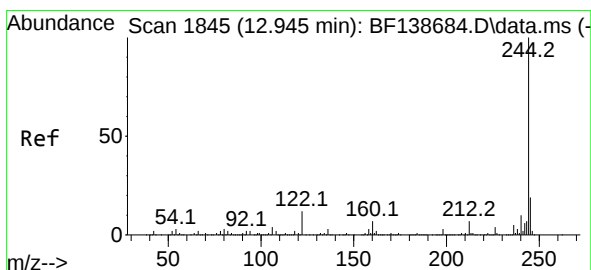
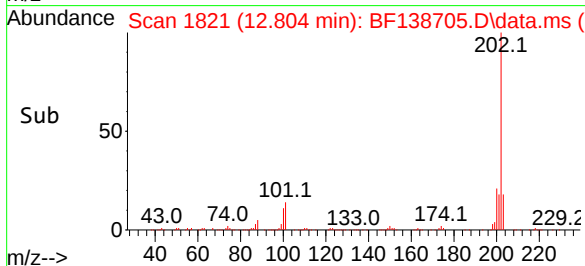
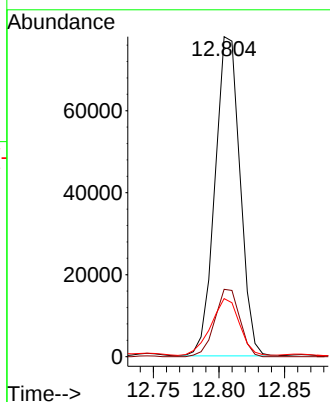
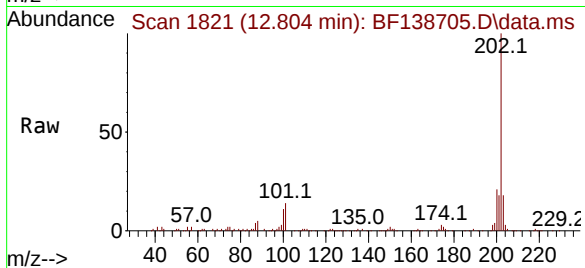
Tgt Ion:202 Resp: 103336

Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

203 18.2 13.8 20.6



#79

Terphenyl-d14

Concen: 81.086 ng

RT: 12.951 min Scan# 1846

Delta R.T. 0.006 min

Lab File: BF138705.D

Acq: 31 Jul 2024 16:30

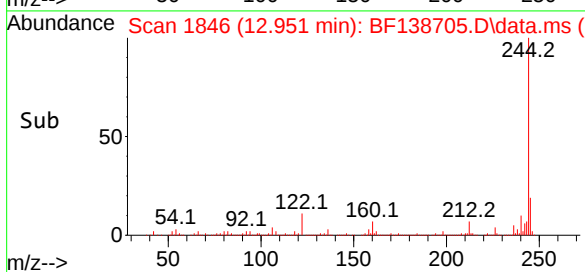
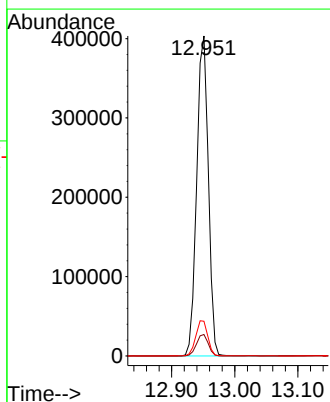
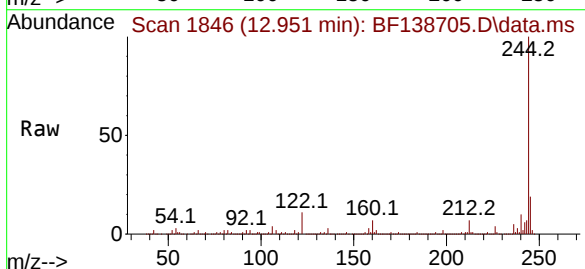
Tgt Ion:244 Resp: 514824

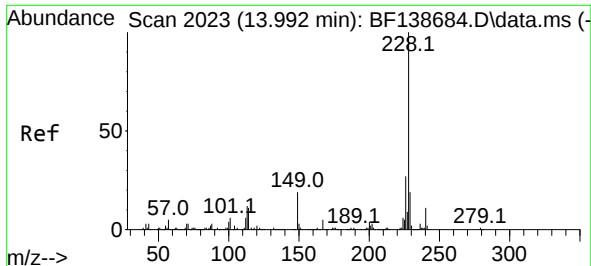
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 10.9 9.6 14.4

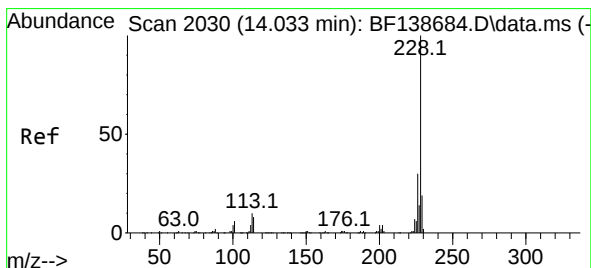
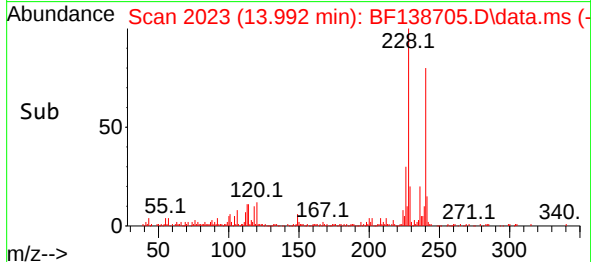
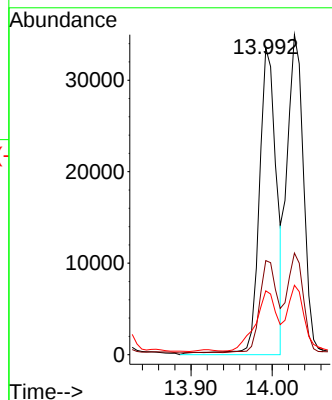
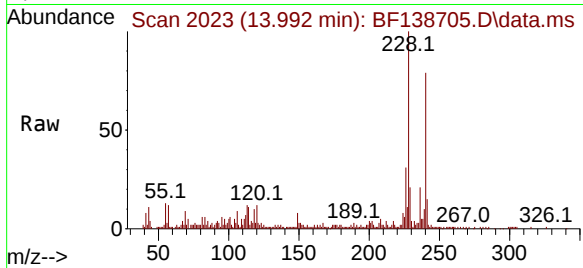




#81  
Benzo(a)anthracene  
Concen: 6.709 ng  
RT: 13.992 min Scan# 2029  
Delta R.T. 0.000 min  
Lab File: BF138705.D  
Acq: 31 Jul 2024 16:30

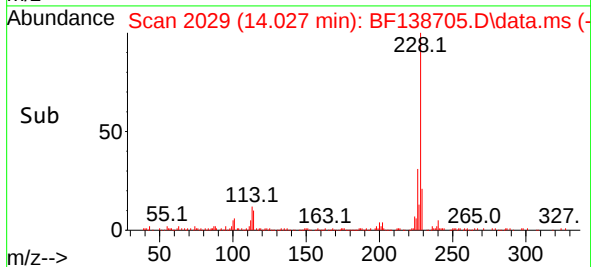
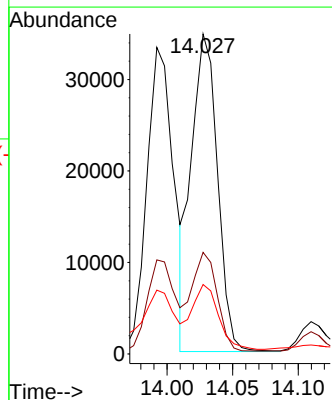
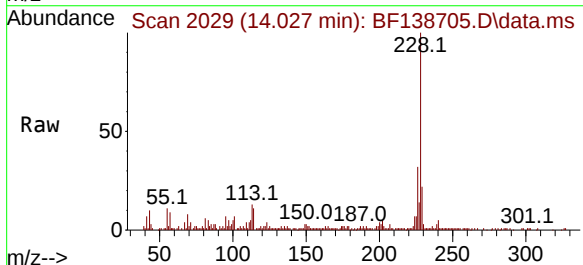
Instrument :  
BNA\_F  
ClientSampleId :  
WC-10-Full Waste Class

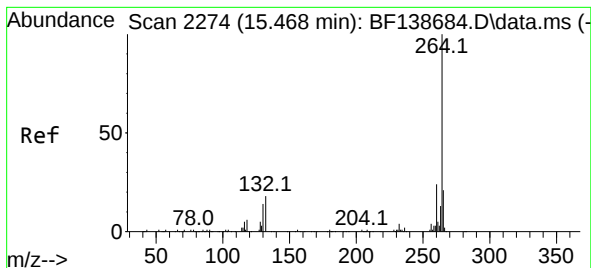
Tgt Ion:228 Resp: 49113  
Ion Ratio Lower Upper  
228 100  
226 30.7 22.1 33.1  
229 20.8 15.4 23.0



#83  
Chrysene  
Concen: 7.268 ng  
RT: 14.027 min Scan# 2029  
Delta R.T. -0.006 min  
Lab File: BF138705.D  
Acq: 31 Jul 2024 16:30

Tgt Ion:228 Resp: 47997  
Ion Ratio Lower Upper  
228 100  
226 31.8 23.7 35.5  
229 21.7 15.0 22.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.469 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138705.D

Acq: 31 Jul 2024 16:30

Instrument :

BNA\_F

ClientSampleId :

WC-10-Full Waste Class

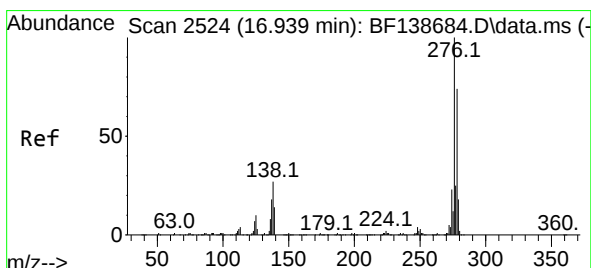
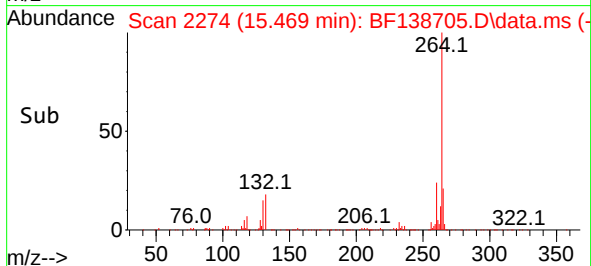
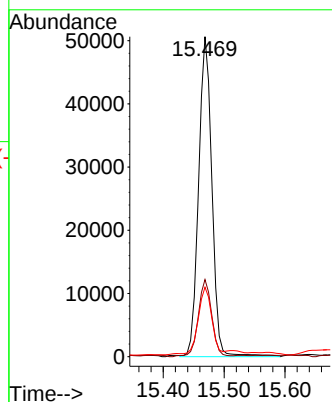
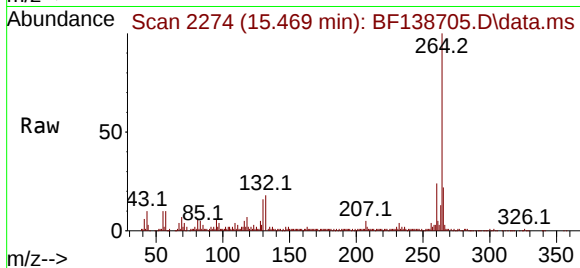
Tgt Ion:264 Resp: 76928

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

265 21.7 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.400 ng

RT: 16.927 min Scan# 2522

Delta R.T. -0.012 min

Lab File: BF138705.D

Acq: 31 Jul 2024 16:30

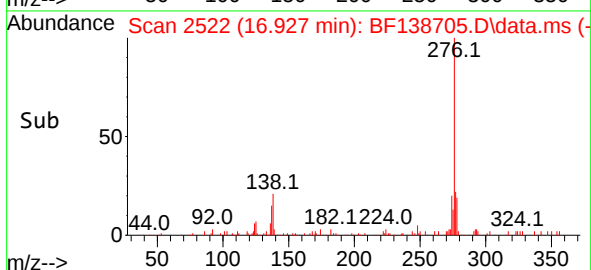
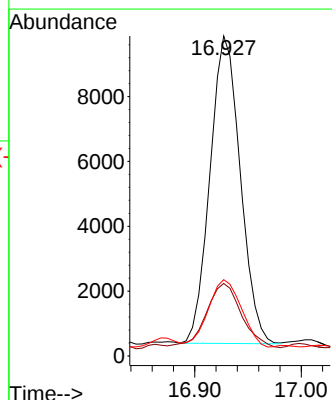
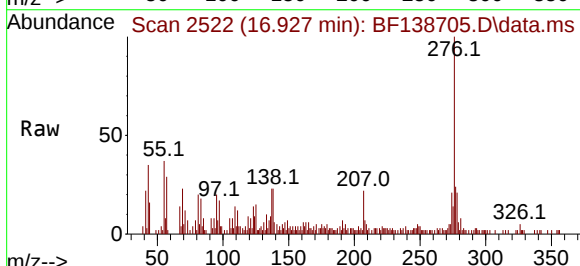
Tgt Ion:276 Resp: 18742

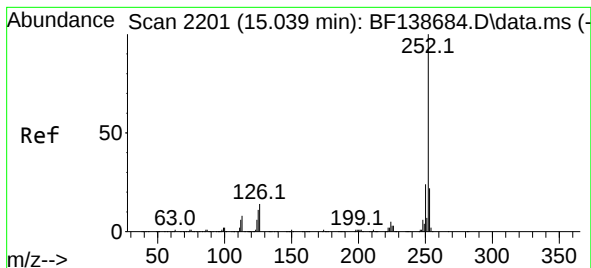
Ion Ratio Lower Upper

276 100

138 24.5 21.8 32.8

277 24.1 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 13.885 ng

RT: 15.045 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138705.D

Acq: 31 Jul 2024 16:30

Instrument :

BNA\_F

ClientSampleId :

WC-10-Full Waste Class

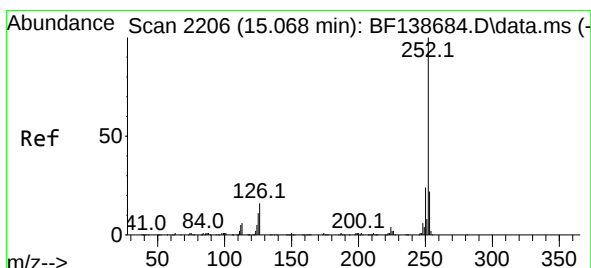
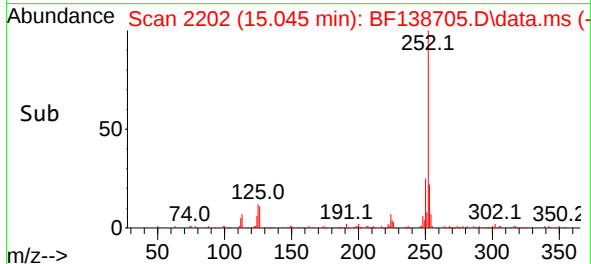
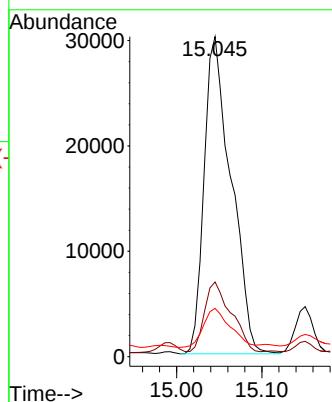
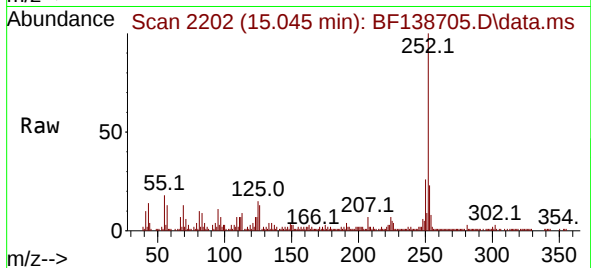
Tgt Ion:252 Resp: 66215

Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

125 15.1 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 16.037 ng

RT: 15.045 min Scan# 2202

Delta R.T. -0.023 min

Lab File: BF138705.D

Acq: 31 Jul 2024 16:30

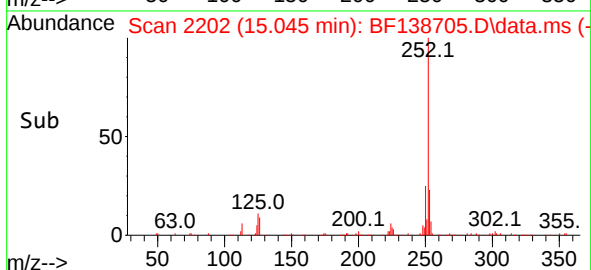
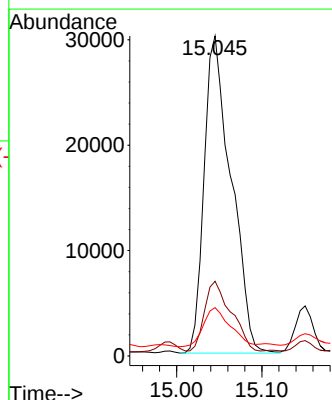
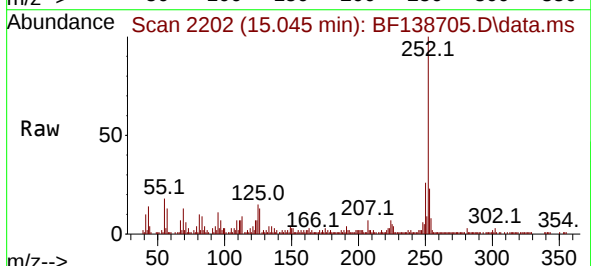
Tgt Ion:252 Resp: 66215

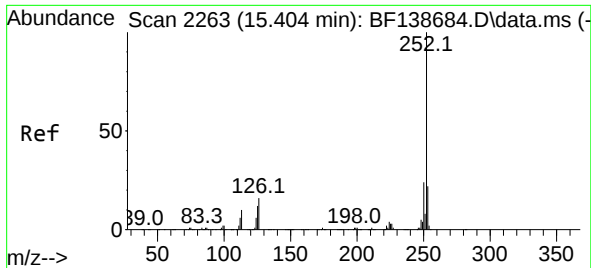
Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

125 15.1 8.6 13.0#

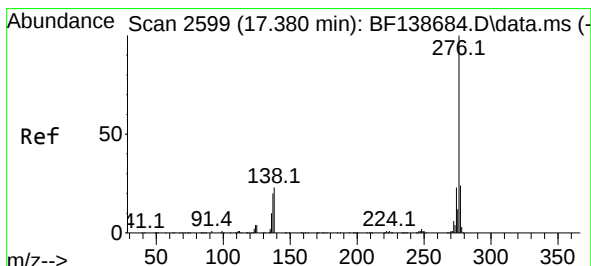
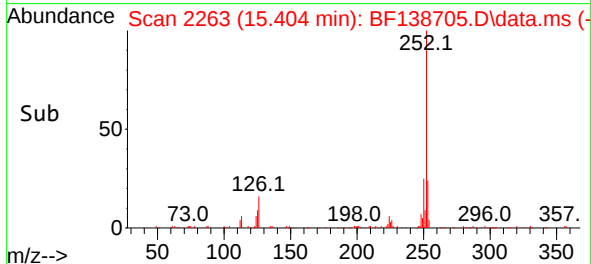
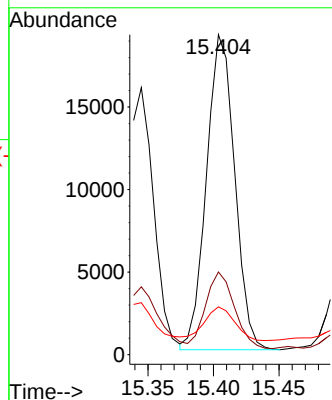
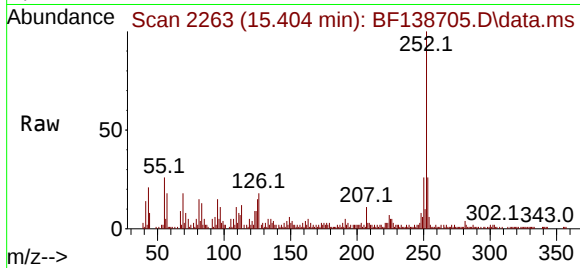




#90  
Benzo(a)pyrene  
Concen: 7.125 ng  
RT: 15.404 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BF138705.D  
Acq: 31 Jul 2024 16:30

Instrument :  
BNA\_F  
ClientSampleId :  
WC-10-Full Waste Class

Tgt Ion:252 Resp: 28580  
Ion Ratio Lower Upper  
252 100  
253 25.9 17.3 25.9  
125 14.9 9.5 14.3#



#92  
Benzo(g,h,i)perylene  
Concen: 4.148 ng  
RT: 17.374 min Scan# 2598  
Delta R.T. -0.006 min  
Lab File: BF138705.D  
Acq: 31 Jul 2024 16:30

Tgt Ion:276 Resp: 19478  
Ion Ratio Lower Upper  
276 100  
277 25.9 19.0 28.4  
138 27.0 18.5 27.7

