

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051623\  
 Data File : BF133407.D  
 Acq On : 16 May 2023 17:43  
 Operator : CG\JU  
 Sample : 02770-01DL 5X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHRT-25990DL

Quant Time: May 17 03:49:50 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 16 14:39:29 2023  
 Response via : Initial Calibration

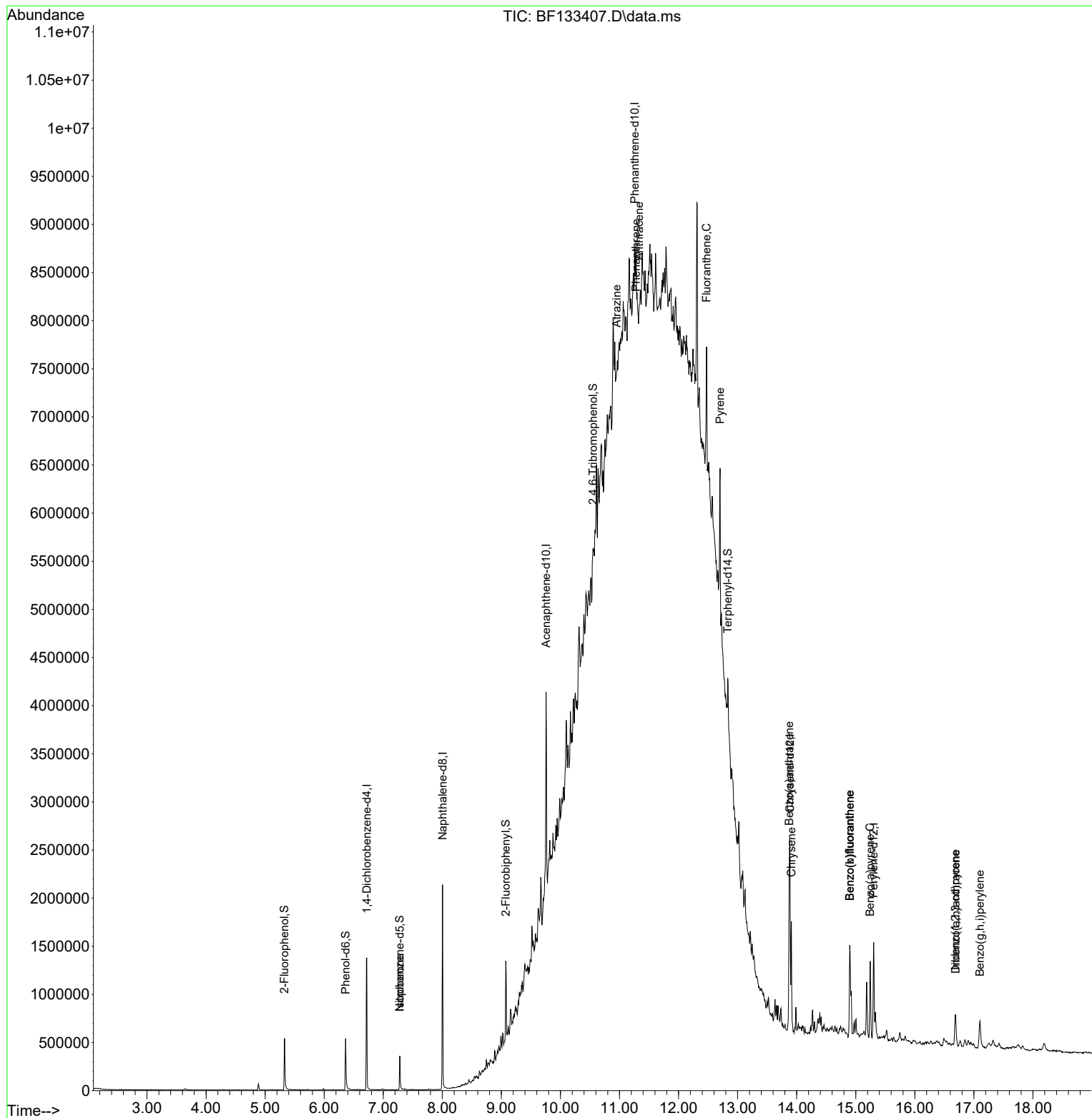
| Compound                    | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-----------|-------|----------|
| -----                       |        |      |          |           |       |          |
| Internal Standards          |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.722  | 152  | 221310   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.004  | 136  | 850240   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.757  | 164  | 365427   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.257 | 188  | 437765   | 20.000    | ng    | # 0.01   |
| 76) Chrysene-d12            | 13.886 | 240  | 520206   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12            | 15.304 | 264  | 433637   | 20.000    | ng    | 0.00     |
|                             |        |      |          |           |       |          |
| System Monitoring Compounds |        |      |          |           |       |          |
| 5) 2-Fluorophenol           | 5.328  | 112  | 165835   | 11.320    | ng    | 0.00     |
| 7) Phenol-d6                | 6.363  | 99   | 202511   | 11.137    | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.281  | 82   | 113747   | 7.221     | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.551 | 330  | 36931    | 10.049    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.075  | 172  | 233464   | 10.688    | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.833 | 244  | 235161   | 7.796     | ng    | 0.00     |
|                             |        |      |          |           |       |          |
| Target Compounds            |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde             | 6.275  | 77   | 235      | Below Cal | #     | 66       |
| 25) Isophorone              | 7.281  | 82   | 113690   | 3.801     | ng    | # 63     |
| 69) Atrazine                | 10.951 | 200  | 14616    | 3.572     | ng    | # 1      |
| 71) Phenanthrene            | 11.280 | 178  | 309817   | 13.168    | ng    | # 84     |
| 72) Anthracene              | 11.333 | 178  | 84754    | 3.520     | ng    | # 62     |
| 75) Fluoranthene            | 12.474 | 202  | 792629   | 33.567    | ng    | 96       |
| 78) Pyrene                  | 12.704 | 202  | 860267   | 19.291    | ng    | 99       |
| 81) Benzo(a)anthracene      | 13.874 | 228  | 470400   | 13.150    | ng    | 98       |
| 83) Chrysene                | 13.910 | 228  | 463564   | 12.962    | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene  | 16.686 | 276  | 194091   | 7.869     | ng    | 95       |
| 88) Benzo(b)fluoranthene    | 14.898 | 252  | 657502   | 23.833    | ng    | # 96     |
| 89) Benzo(k)fluoranthene    | 14.898 | 252  | 657502   | 24.043    | ng    | # 96     |
| 90) Benzo(a)pyrene          | 15.245 | 252  | 351252   | 13.988    | ng    | 98       |
| 91) Dibenzo(a,h)anthracene  | 16.692 | 278  | 49066    | 2.385     | ng    | # 85     |
| 92) Benzo(g,h,i)perylene    | 17.104 | 276  | 202206   | 9.956     | ng    | 96       |
| -----                       |        |      |          |           |       |          |

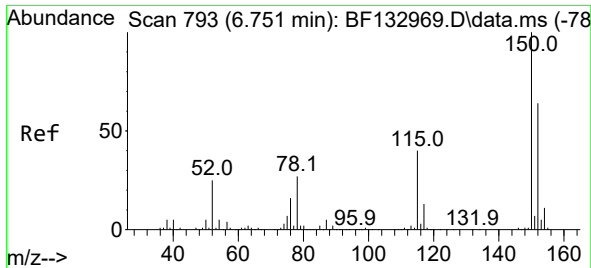
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051623\  
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Sample : 02770-01DL 5X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-25990DL

Quant Time: May 17 03:49:50 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue May 16 14:39:29 2023  
Response via : Initial Calibration

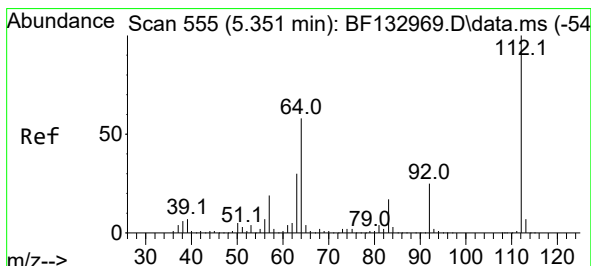
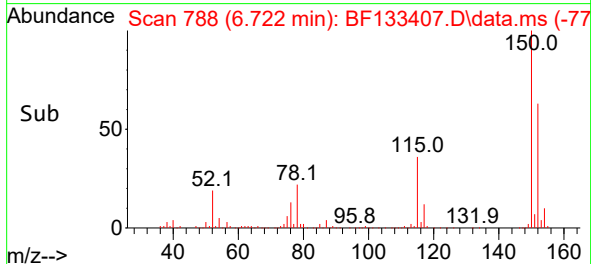
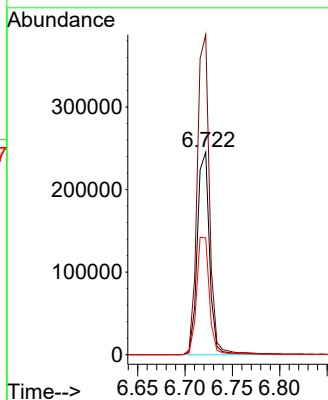
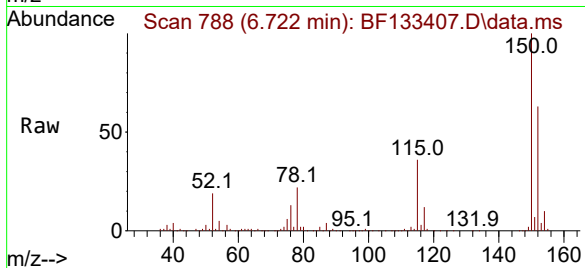




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.722 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: BF133407.D  
 Acq: 16 May 2023 17:43

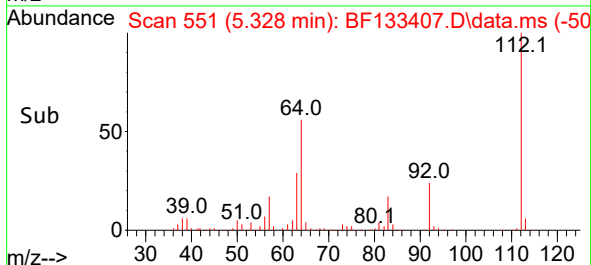
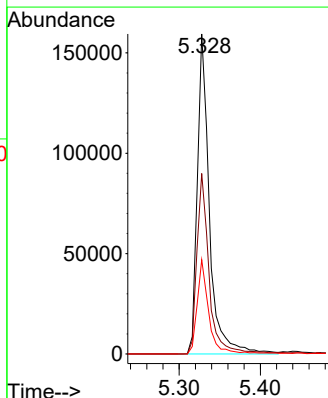
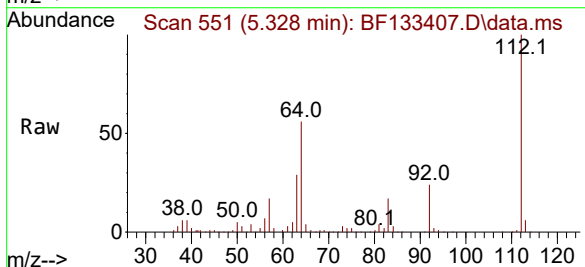
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHRT-25990DL

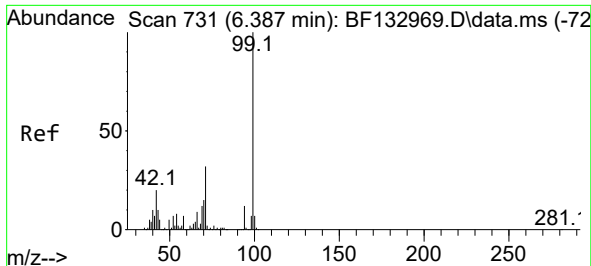
Tgt Ion:152 Resp: 221310  
 Ion Ratio Lower Upper  
 152 100  
 150 157.9 124.8 187.2  
 115 57.6 49.9 74.9



#5  
 2-Fluorophenol  
 Concen: 11.320 ng  
 RT: 5.328 min Scan# 551  
 Delta R.T. -0.006 min  
 Lab File: BF133407.D  
 Acq: 16 May 2023 17:43

Tgt Ion:112 Resp: 165835  
 Ion Ratio Lower Upper  
 112 100  
 64 56.4 46.8 70.2  
 63 29.5 23.8 35.8

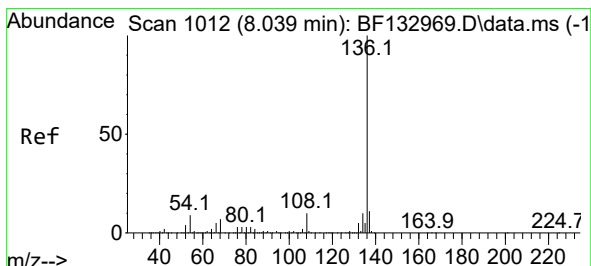
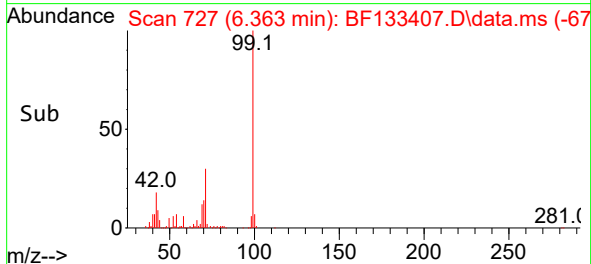
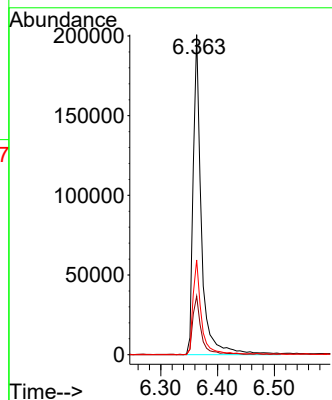
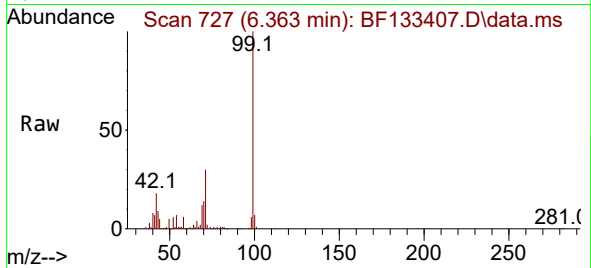




#7  
Phenol-d6  
Concen: 11.137 ng  
RT: 6.363 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF133407.D  
Acq: 16 May 2023 17:43

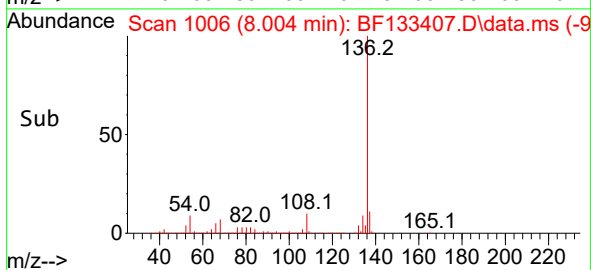
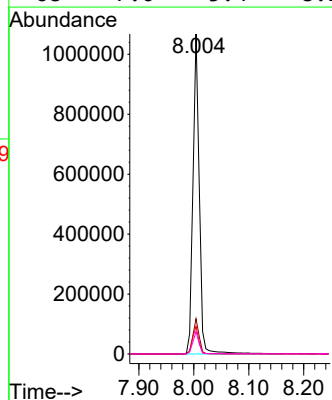
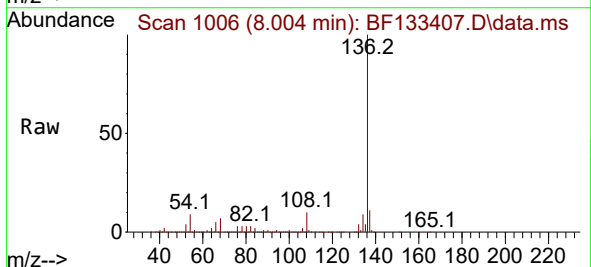
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-25990DL

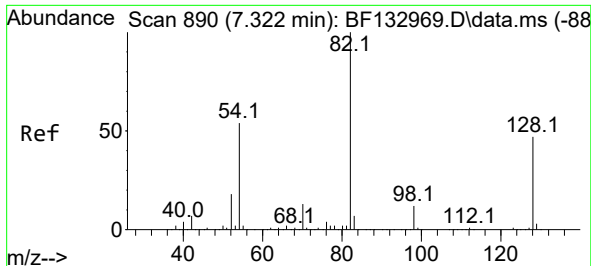
Tgt Ion: 99 Resp: 202511  
Ion Ratio Lower Upper  
99 100  
42 18.3 16.3 24.5  
71 29.6 25.6 38.4



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.004 min Scan# 1006  
Delta R.T. -0.006 min  
Lab File: BF133407.D  
Acq: 16 May 2023 17:43

Tgt Ion: 136 Resp: 850240  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.6 13.0  
54 8.6 7.0 10.4  
68 7.0 5.4 8.2





#23

Nitrobenzene-d5

Concen: 7.221 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.012 min

Lab File: BF133407.D

Acq: 16 May 2023 17:43

Instrument :

BNA\_F

ClientSampleId :

CHRT-25990DL

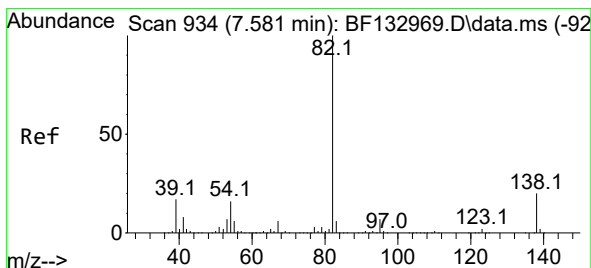
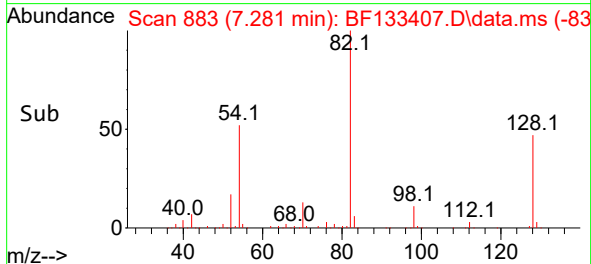
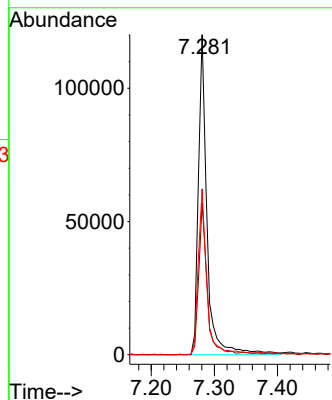
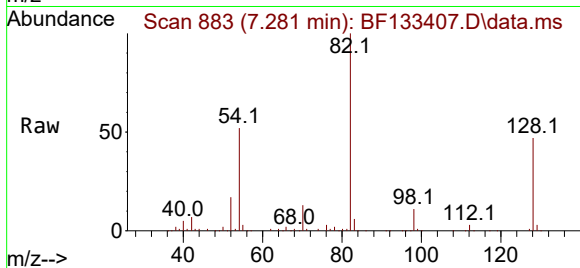
Tgt Ion: 82 Resp: 113747

Ion Ratio Lower Upper

82 100

128 47.3 37.7 56.5

54 51.8 43.0 64.4



#25

Isophorone

Concen: 3.801 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.271 min

Lab File: BF133407.D

Acq: 16 May 2023 17:43

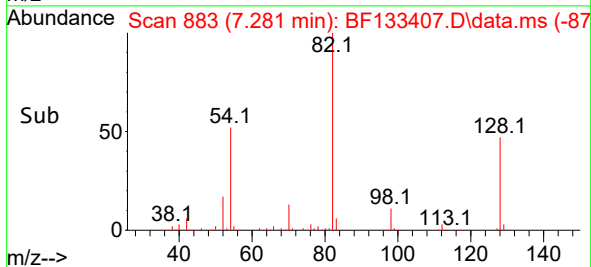
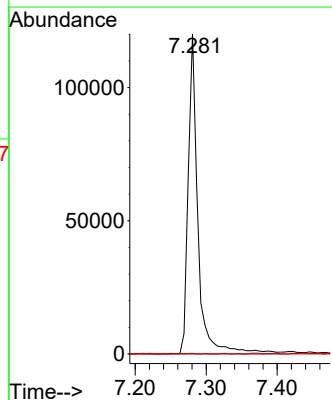
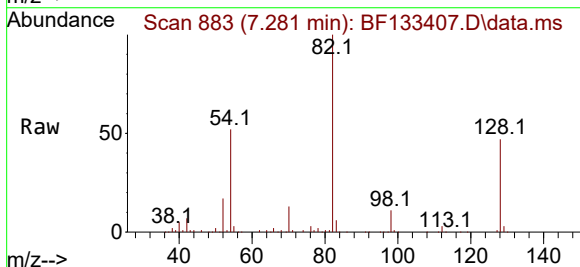
Tgt Ion: 82 Resp: 113690

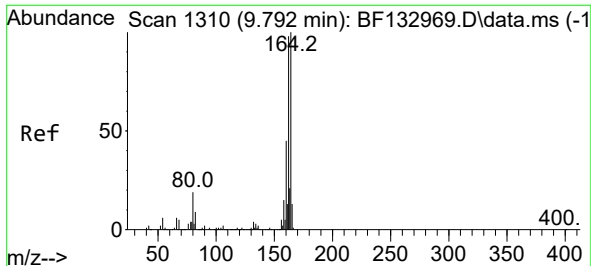
Ion Ratio Lower Upper

82 100

95 0.2 5.4 8.0#

138 0.0 16.0 24.0#

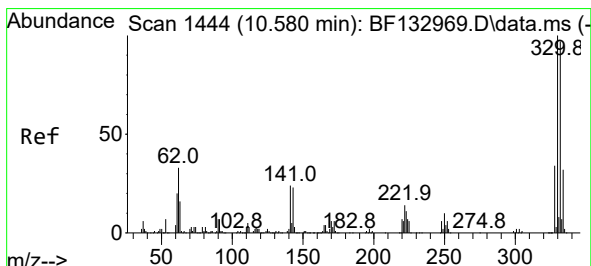
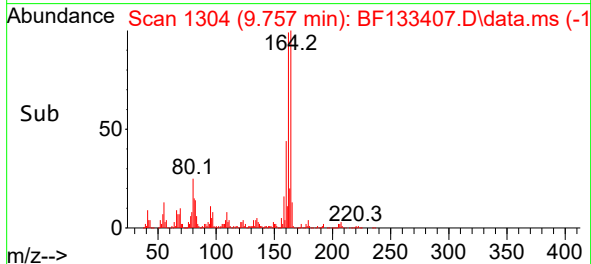
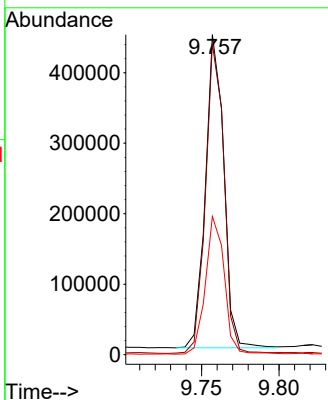
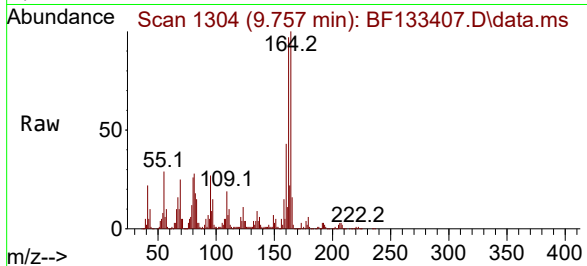




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.757 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF133407.D  
Acq: 16 May 2023 17:43

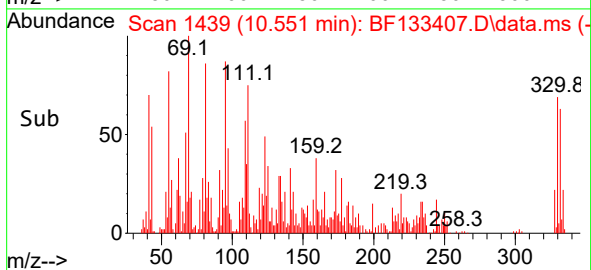
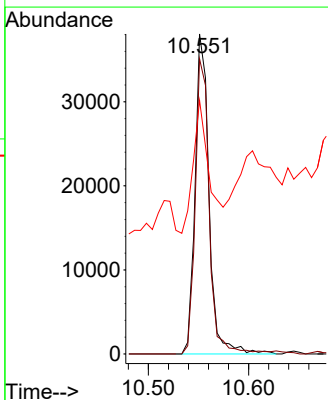
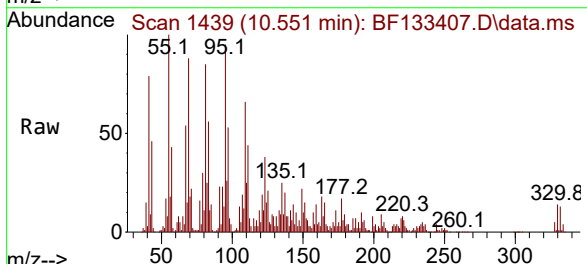
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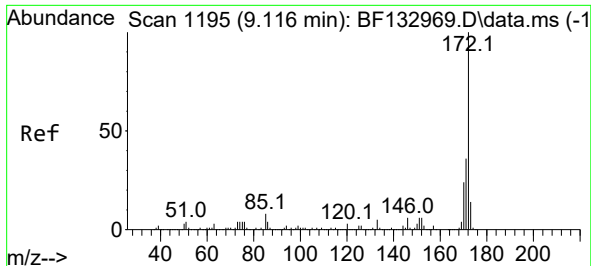
Tgt Ion:164 Resp: 365427  
Ion Ratio Lower Upper  
164 100  
162 97.2 78.7 118.1  
160 43.2 35.8 53.6



#42  
2,4,6-Tribromophenol  
Concen: 10.049 ng  
RT: 10.551 min Scan# 1439  
Delta R.T. -0.000 min  
Lab File: BF133407.D  
Acq: 16 May 2023 17:43

Tgt Ion:330 Resp: 36931  
Ion Ratio Lower Upper  
330 100  
332 92.4 77.1 115.7  
141 47.4 25.8 38.8#

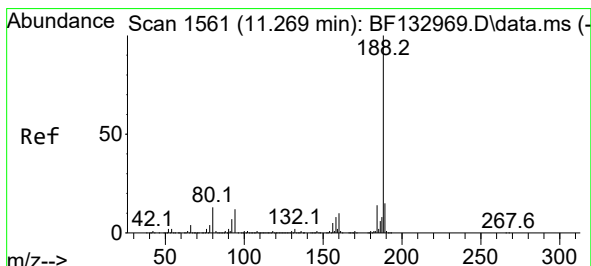
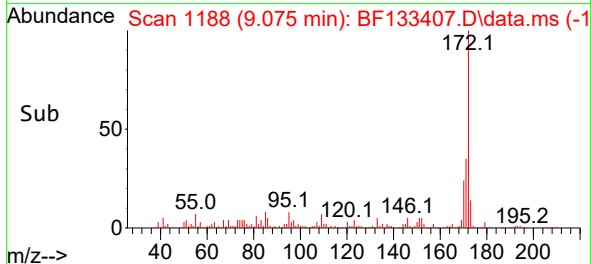
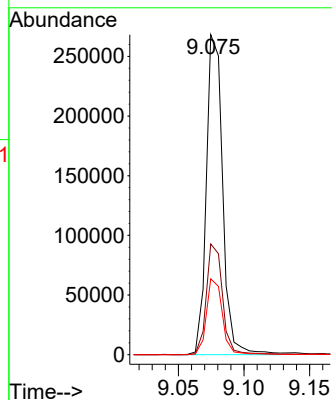
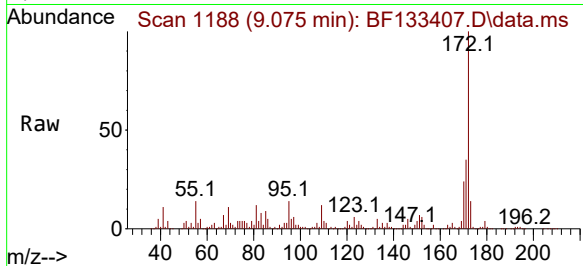




#45  
2-Fluorobiphenyl  
Concen: 10.688 ng  
RT: 9.075 min Scan# 1195  
Delta R.T. -0.012 min  
Lab File: BF133407.D  
Acq: 16 May 2023 17:43

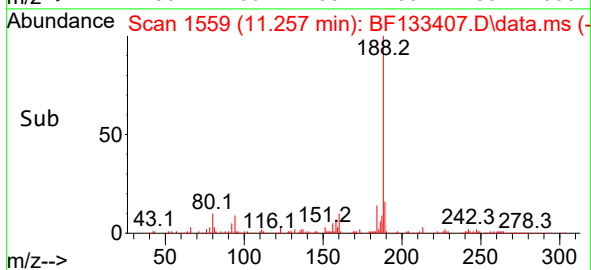
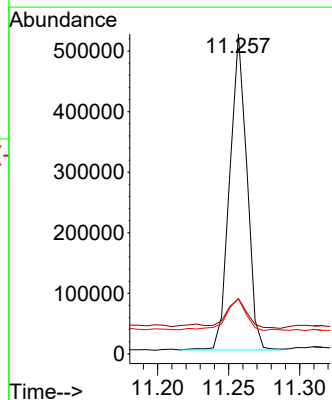
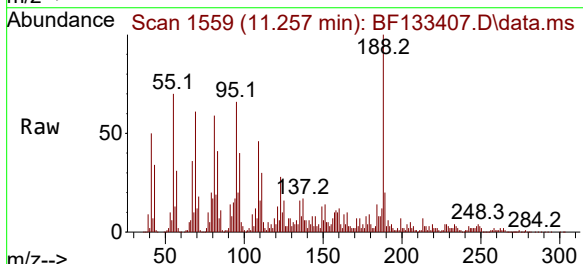
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-25990DL

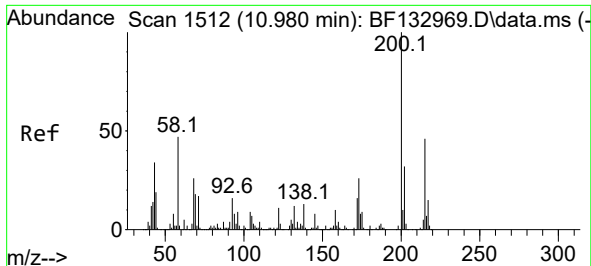
Tgt Ion:172 Resp: 233464  
Ion Ratio Lower Upper  
172 100  
171 34.6 28.8 43.2  
170 23.7 19.4 29.2



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.257 min Scan# 1559  
Delta R.T. 0.012 min  
Lab File: BF133407.D  
Acq: 16 May 2023 17:43

Tgt Ion:188 Resp: 437765  
Ion Ratio Lower Upper  
188 100  
94 17.3 9.7 14.5#  
80 17.2 10.4 15.6#

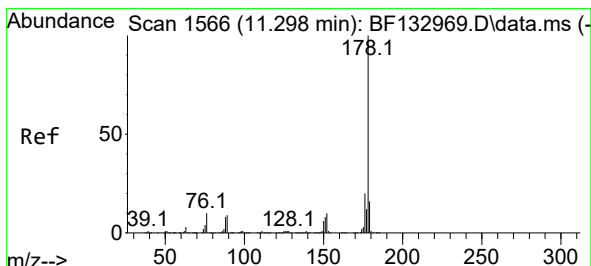
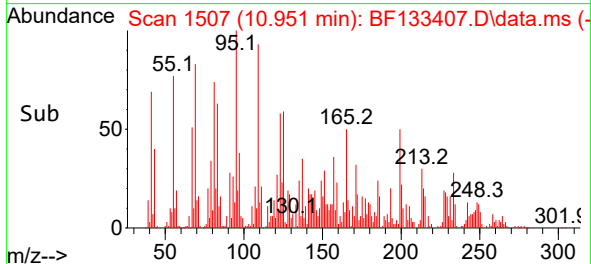
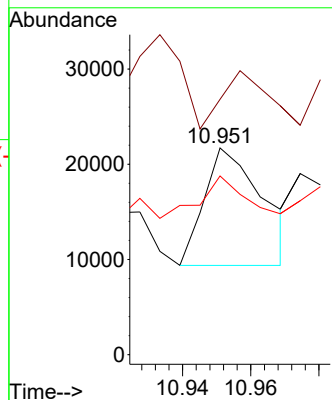
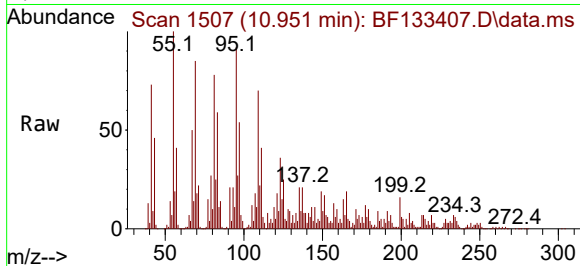




#69  
Atrazine  
Concen: 3.572 ng  
RT: 10.951 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF133407.D  
Acq: 16 May 2023 17:43

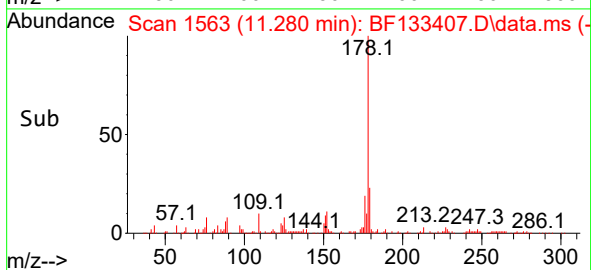
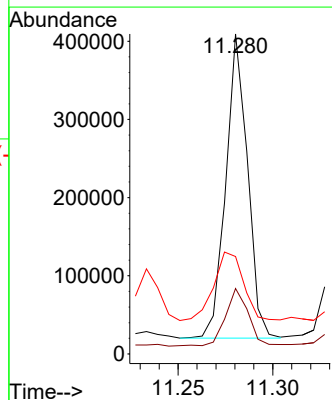
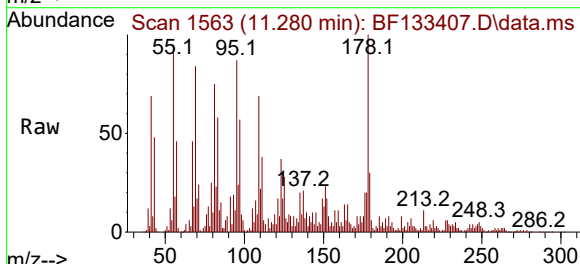
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-25990DL

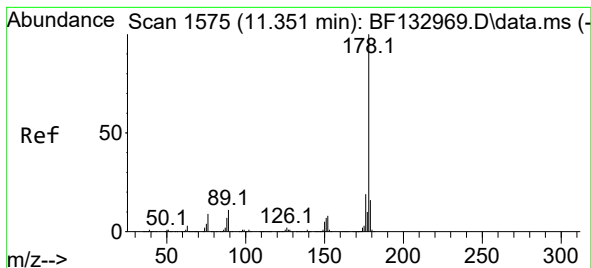
Tgt Ion:200 Resp: 14616  
Ion Ratio Lower Upper  
200 100  
173 123.5 6.2 46.2#  
215 86.4 26.3 66.3#



#71  
Phenanthrene  
Concen: 13.168 ng  
RT: 11.280 min Scan# 1563  
Delta R.T. 0.012 min  
Lab File: BF133407.D  
Acq: 16 May 2023 17:43

Tgt Ion:178 Resp: 309817  
Ion Ratio Lower Upper  
178 100  
176 20.5 15.9 23.9  
179 30.4 12.5 18.7#





#72

Anthracene

Concen: 3.520 ng

RT: 11.333 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF133407.D

Acq: 16 May 2023 17:43

Instrument :

BNA\_F

ClientSampleId :

CHRT-25990DL

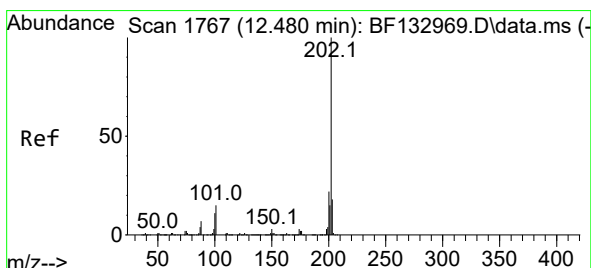
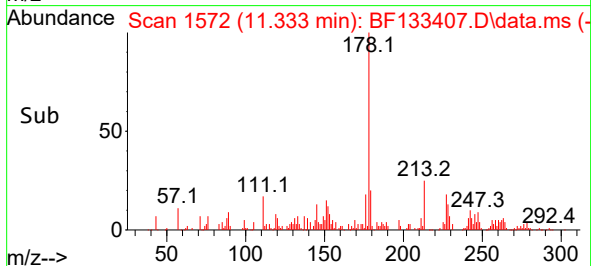
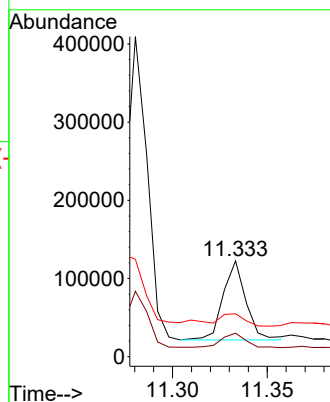
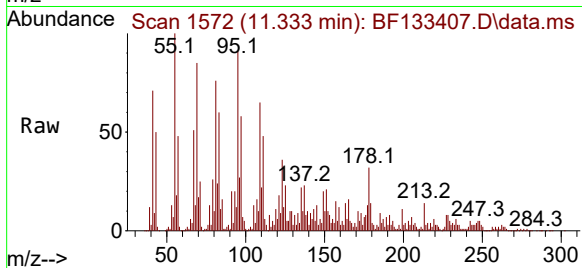
Tgt Ion:178 Resp: 84754

Ion Ratio Lower Upper

178 100

176 24.6 15.4 23.0#

179 44.7 12.4 18.6#



#75

Fluoranthene

Concen: 33.567 ng

RT: 12.474 min Scan# 1766

Delta R.T. 0.018 min

Lab File: BF133407.D

Acq: 16 May 2023 17:43

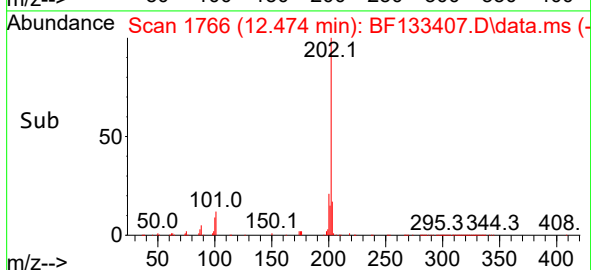
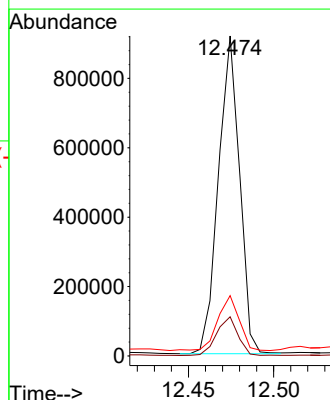
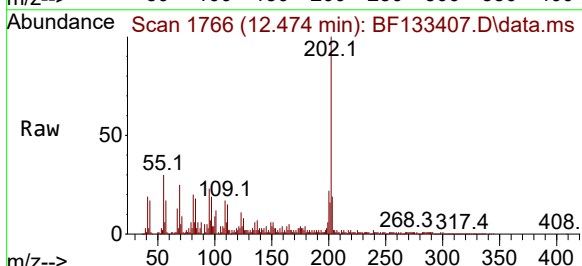
Tgt Ion:202 Resp: 792629

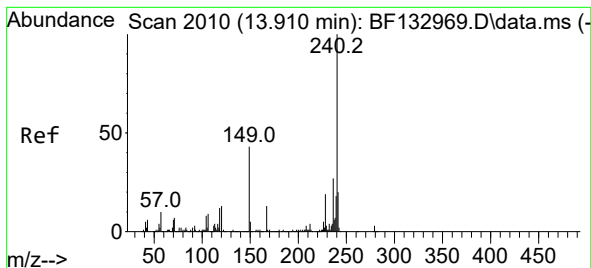
Ion Ratio Lower Upper

202 100

101 12.3 0.0 35.3

203 18.9 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.886 min Scan# 2010

Delta R.T. -0.000 min

Lab File: BF133407.D

Acq: 16 May 2023 17:43

Instrument :

BNA\_F

ClientSampleId :

CHRT-25990DL

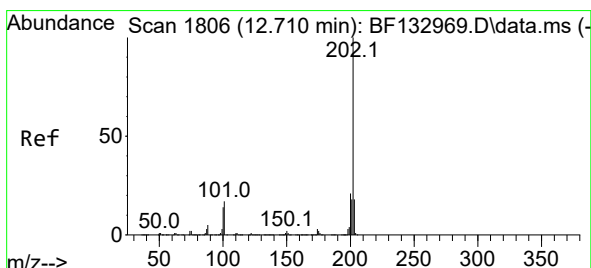
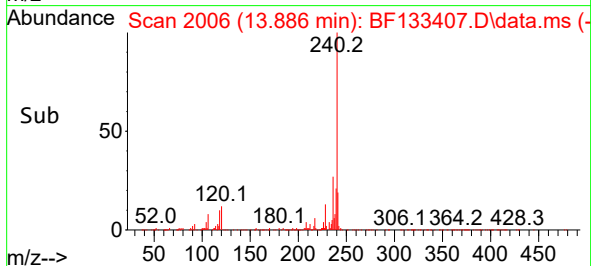
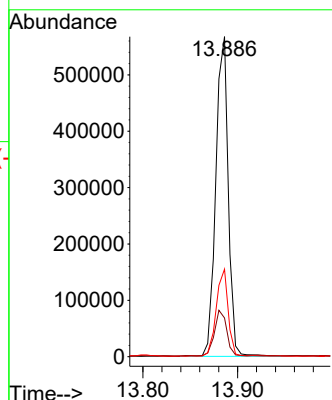
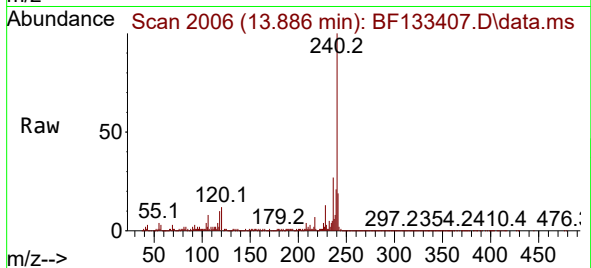
Tgt Ion:240 Resp: 520206

Ion Ratio Lower Upper

240 100

120 12.1 10.5 15.7

236 27.3 21.5 32.3



#78

Pyrene

Concen: 19.291 ng

RT: 12.704 min Scan# 1805

Delta R.T. 0.018 min

Lab File: BF133407.D

Acq: 16 May 2023 17:43

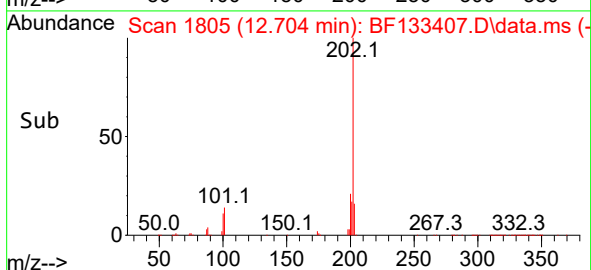
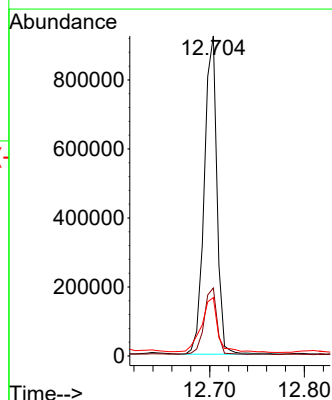
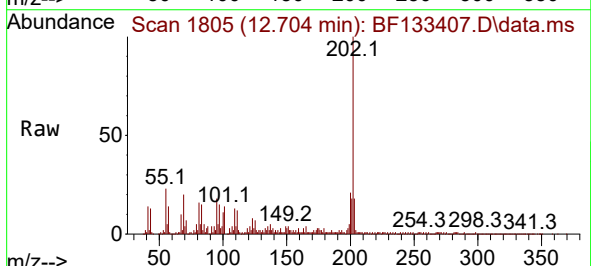
Tgt Ion:202 Resp: 860267

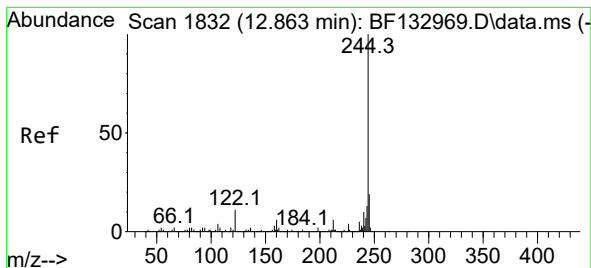
Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

203 18.3 14.1 21.1





#79

Terphenyl-d14

Concen: 7.796 ng

RT: 12.833 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF133407.D

Acq: 16 May 2023 17:43

Instrument :

BNA\_F

ClientSampleId :

CHRT-25990DL

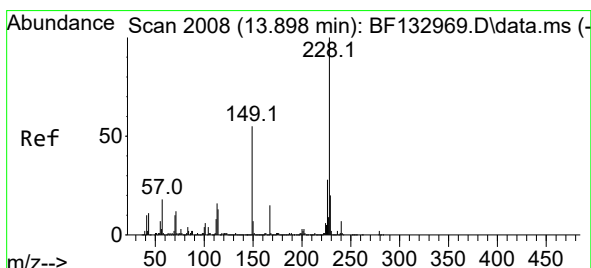
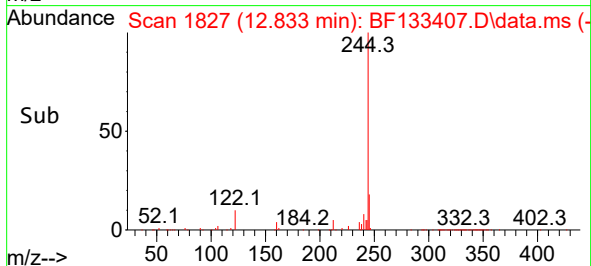
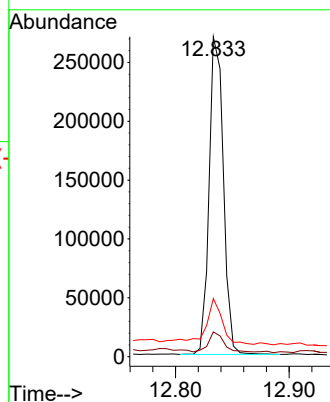
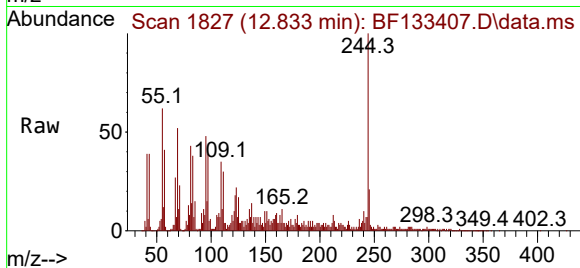
Tgt Ion:244 Resp: 235161

Ion Ratio Lower Upper

244 100

212 7.8 5.1 7.7#

122 18.2 8.6 13.0#



#81

Benzo(a)anthracene

Concen: 13.150 ng

RT: 13.874 min Scan# 2004

Delta R.T. -0.000 min

Lab File: BF133407.D

Acq: 16 May 2023 17:43

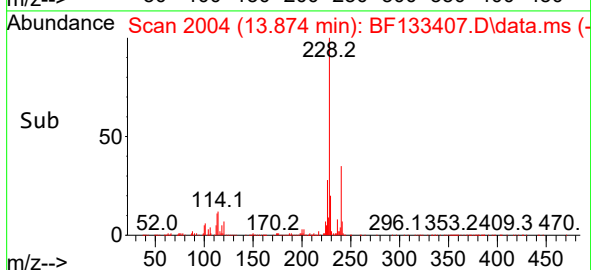
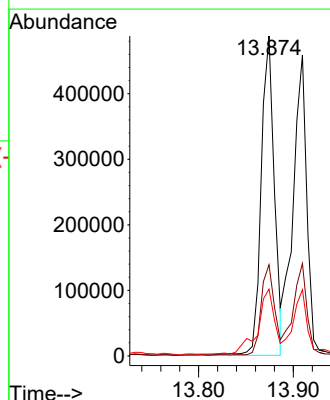
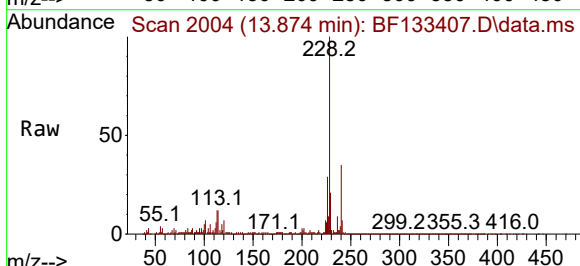
Tgt Ion:228 Resp: 470400

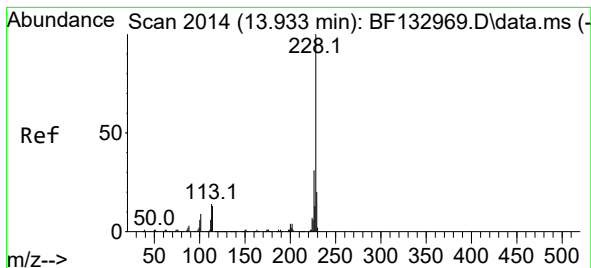
Ion Ratio Lower Upper

228 100

226 28.5 22.2 33.4

229 20.9 16.0 24.0





#83

Chrysene

Concen: 12.962 ng

RT: 13.910 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF133407.D

Acq: 16 May 2023 17:43

Instrument :

BNA\_F

ClientSampleId :

CHRT-25990DL

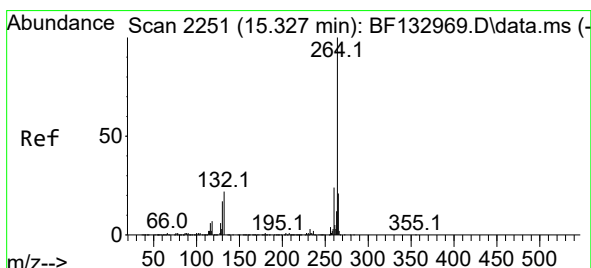
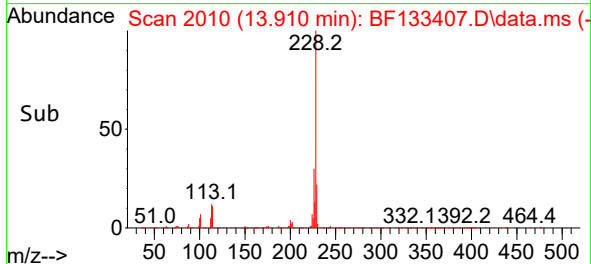
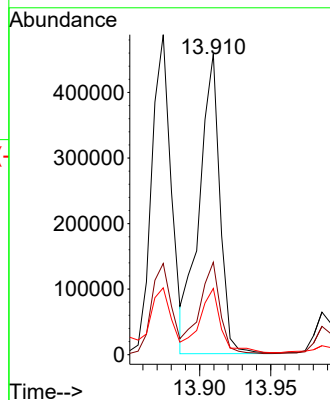
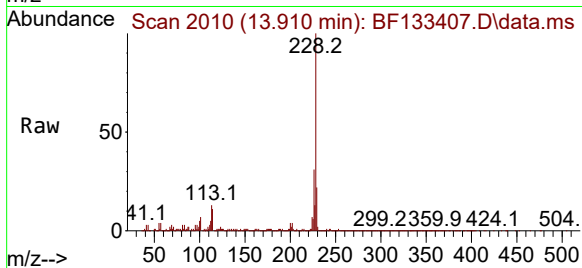
Tgt Ion:228 Resp: 463564

Ion Ratio Lower Upper

228 100

226 30.7 24.7 37.1

229 22.0 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 2247

Delta R.T. -0.000 min

Lab File: BF133407.D

Acq: 16 May 2023 17:43

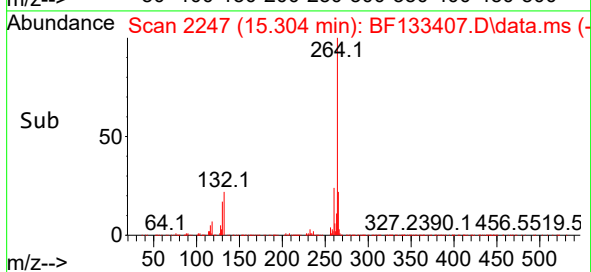
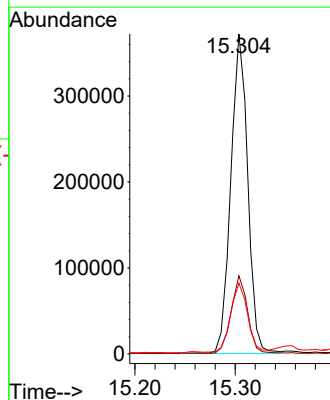
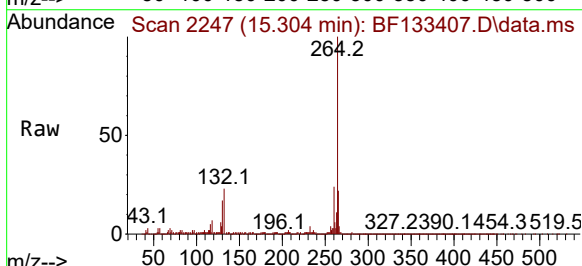
Tgt Ion:264 Resp: 433637

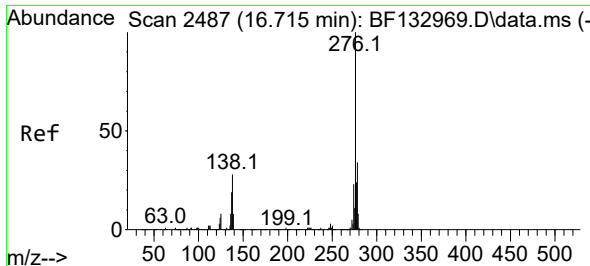
Ion Ratio Lower Upper

264 100

260 24.5 18.8 28.2

265 22.1 17.0 25.4

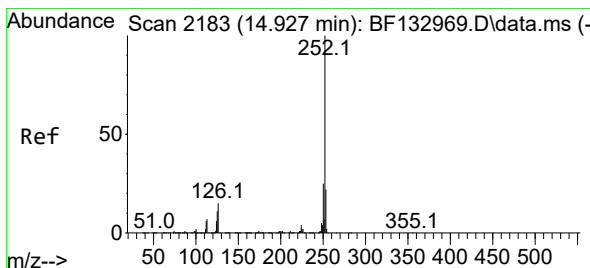
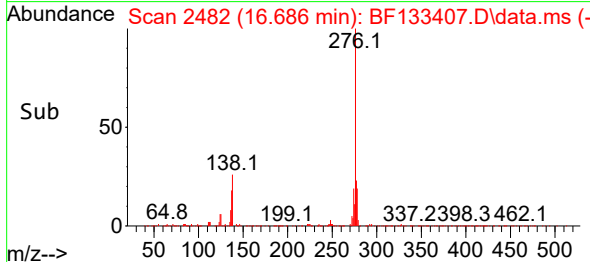
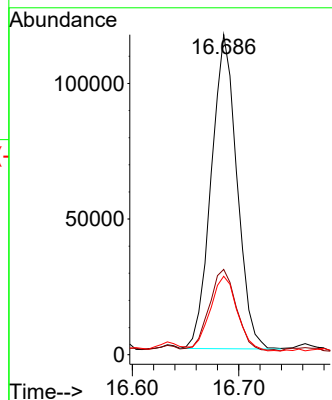
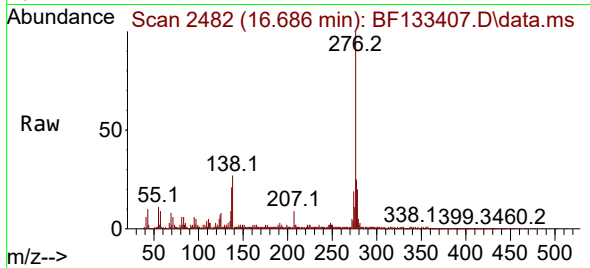




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 7.869 ng  
RT: 16.686 min Scan# 2487  
Delta R.T. -0.012 min  
Lab File: BF133407.D  
Acq: 16 May 2023 17:43

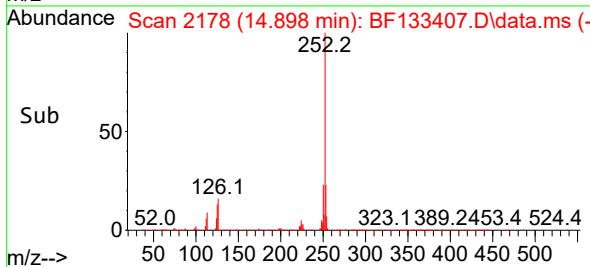
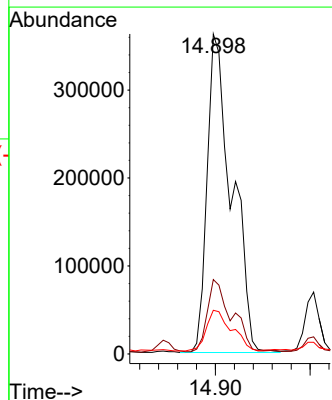
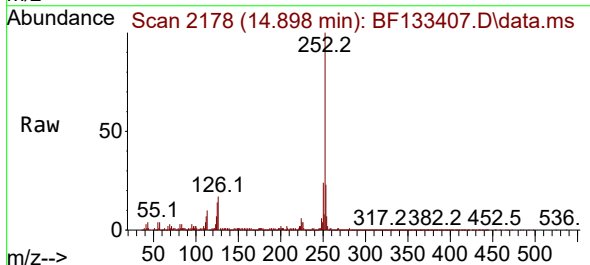
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-25990DL

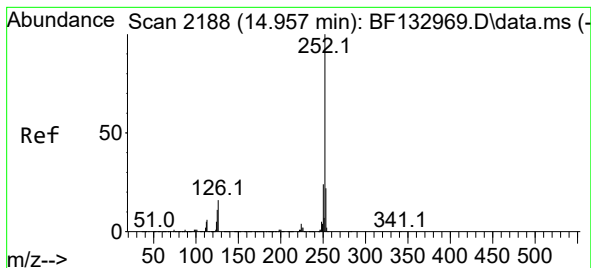
Tgt Ion:276 Resp: 194091  
Ion Ratio Lower Upper  
276 100  
138 27.5 25.5 38.3  
277 25.3 20.4 30.6



#88  
Benzo(b)fluoranthene  
Concen: 23.833 ng  
RT: 14.898 min Scan# 2178  
Delta R.T. -0.000 min  
Lab File: BF133407.D  
Acq: 16 May 2023 17:43

Tgt Ion:252 Resp: 657502  
Ion Ratio Lower Upper  
252 100  
253 23.2 17.6 26.4  
125 13.7 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 24.043 ng

RT: 14.898 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF133407.D

Acq: 16 May 2023 17:43

Instrument :

BNA\_F

ClientSampleId :

CHRT-25990DL

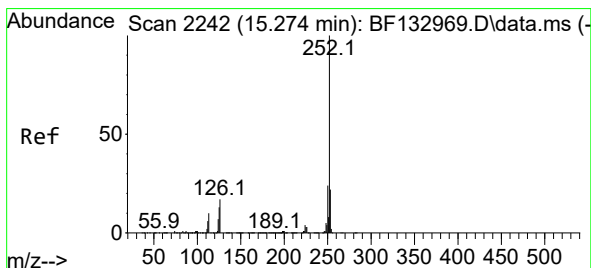
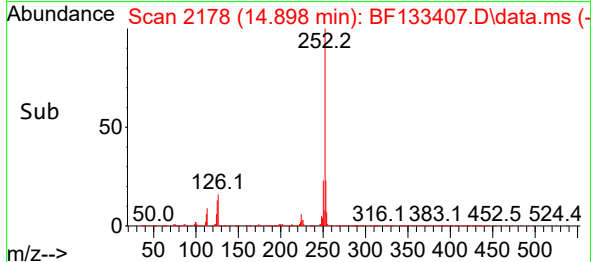
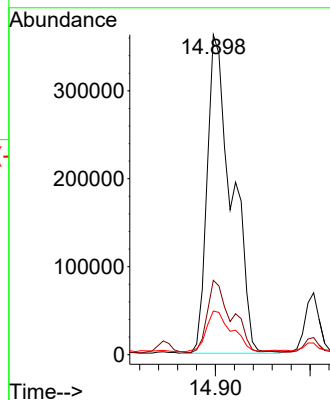
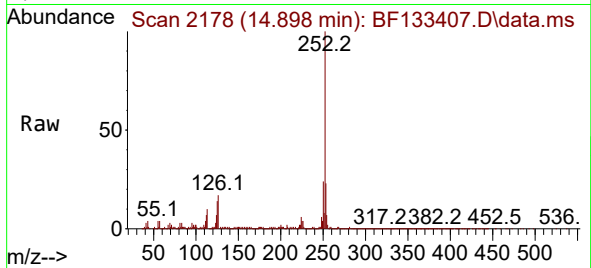
Tgt Ion:252 Resp: 657502

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 13.7 9.0 13.4#



#90

Benzo(a)pyrene

Concen: 13.988 ng

RT: 15.245 min Scan# 2237

Delta R.T. -0.000 min

Lab File: BF133407.D

Acq: 16 May 2023 17:43

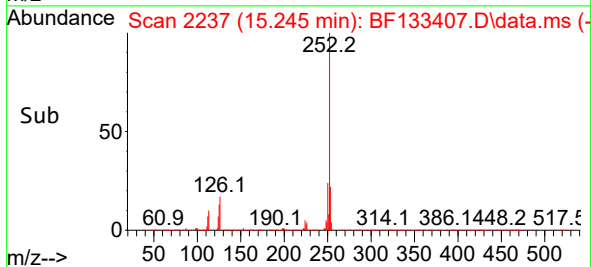
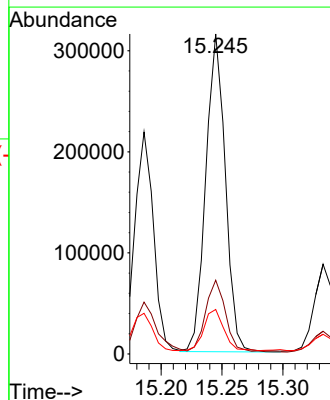
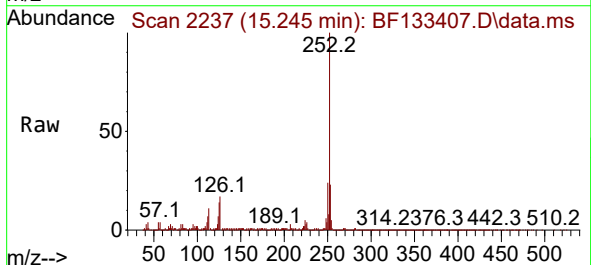
Tgt Ion:252 Resp: 351252

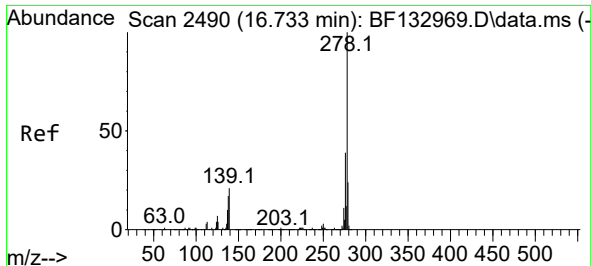
Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

125 13.9 10.5 15.7

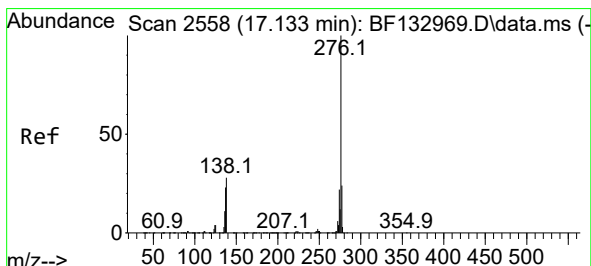
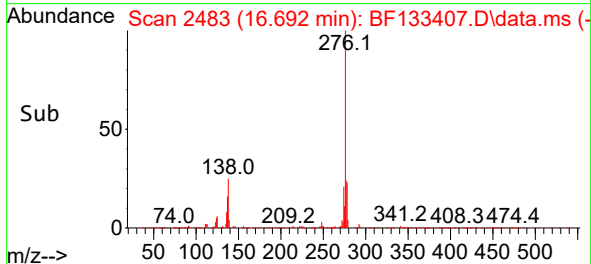
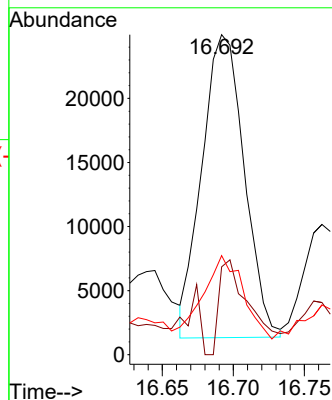
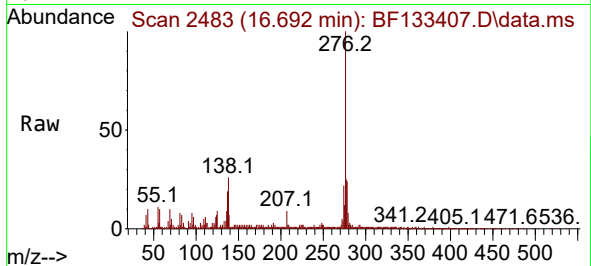




#91  
Dibenzo(a,h)anthracene  
Concen: 2.385 ng  
RT: 16.692 min Scan# 2490  
Delta R.T. -0.012 min  
Lab File: BF133407.D  
Acq: 16 May 2023 17:43

Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-25990DL

Tgt Ion:278 Resp: 49066  
Ion Ratio Lower Upper  
278 100  
139 27.4 16.6 24.8#  
279 30.9 18.8 28.2#



#92  
Benzo(g,h,i)perylene  
Concen: 9.956 ng  
RT: 17.104 min Scan# 2553  
Delta R.T. -0.006 min  
Lab File: BF133407.D  
Acq: 16 May 2023 17:43

Tgt Ion:276 Resp: 202206  
Ion Ratio Lower Upper  
276 100  
277 23.2 19.4 29.0  
138 25.6 22.7 34.1

