

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060823\  
 Data File : BF133648.D  
 Acq On : 08 Jun 2023 18:45  
 Operator : CG\JU  
 Sample : 03029-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-6

Quant Time: Jun 09 01:46:56 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 08 11:43:32 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 0.000  | 152  | 0        | 0.000     | ng    | -6.84    |
| 21) Naphthalene-d8            | 0.000  | 136  | 0        | 0.000     | ng    | -8.12    |
| 39) Acenaphthene-d10          | 0.000  | 164  | 0        | 0.000     | ng    | -9.88    |
| 64) Phenanthrene-d10          | 0.000  | 188  | 0        | 0.000     | ng    | -11.37   |
| 76) Chrysene-d12              | 14.027 | 240  | 189      | 20.000    | ng    | # 0.01   |
| 86) Perylene-d12              | 15.462 | 264  | 351      | 20.000    | ng    | #-0.02   |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.451  | 112  | 623896   | 0.000     | ng    | 0.00     |
| 7) Phenol-d6                  | 6.469  | 99   | 745123   | 0.000     | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.404  | 82   | 450917   | 0.000     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 166129   | 0.000     | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.198  | 172  | 717305   | 0.000     | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.957 | 244  | 651539   | 61292.389 | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 77) Benzidine                 | 12.716 | 184  | 376      | 68.020    | ng    | # 1      |
| 78) Pyrene                    | 12.580 | 202  | 7876     | 489.708   | ng    | 95       |
| 80) Butylbenzylphthalate      | 13.445 | 149  | 426      | 66.945    | ng    | # 61     |
| 81) Benzo(a)anthracene        | 14.004 | 228  | 3130     | 248.599   | ng    | # 80     |
| 82) 3,3'-Dichlorobenzidine    | 13.998 | 252  | 491      | 124.749   | ng    | # 70     |
| 83) Chrysene                  | 14.039 | 228  | 3261     | 256.563   | ng    | # 62     |
| 84) Bis(2-ethylhexyl)phtha... | 13.992 | 149  | 1706     | 214.481   | ng    | # 75     |
| 85) Di-n-octyl phthalate      | 14.615 | 149  | 739      | 55.773    | ng    | # 46     |
| 87) Indeno(1,2,3-cd)pyrene    | 16.939 | 276  | 2824     | 126.307   | ng    | # 77     |
| 88) Benzo(b)fluoranthene      | 15.051 | 252  | 6763     | 295.894   | ng    | # 41     |
| 89) Benzo(k)fluoranthene      | 15.051 | 252  | 6763     | 303.459   | ng    | # 42     |
| 90) Benzo(a)pyrene            | 15.421 | 252  | 3461     | 166.413   | ng    | # 12     |
| 91) Dibenzo(a,h)anthracene    | 16.962 | 278  | 982      | 54.172    | ng    | # 1      |
| 92) Benzo(g,h,i)perylene      | 17.403 | 276  | 3277     | 179.282   | ng    | # 48     |
| -----                         |        |      |          |           |       |          |

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

**Instrument :**

BNA F

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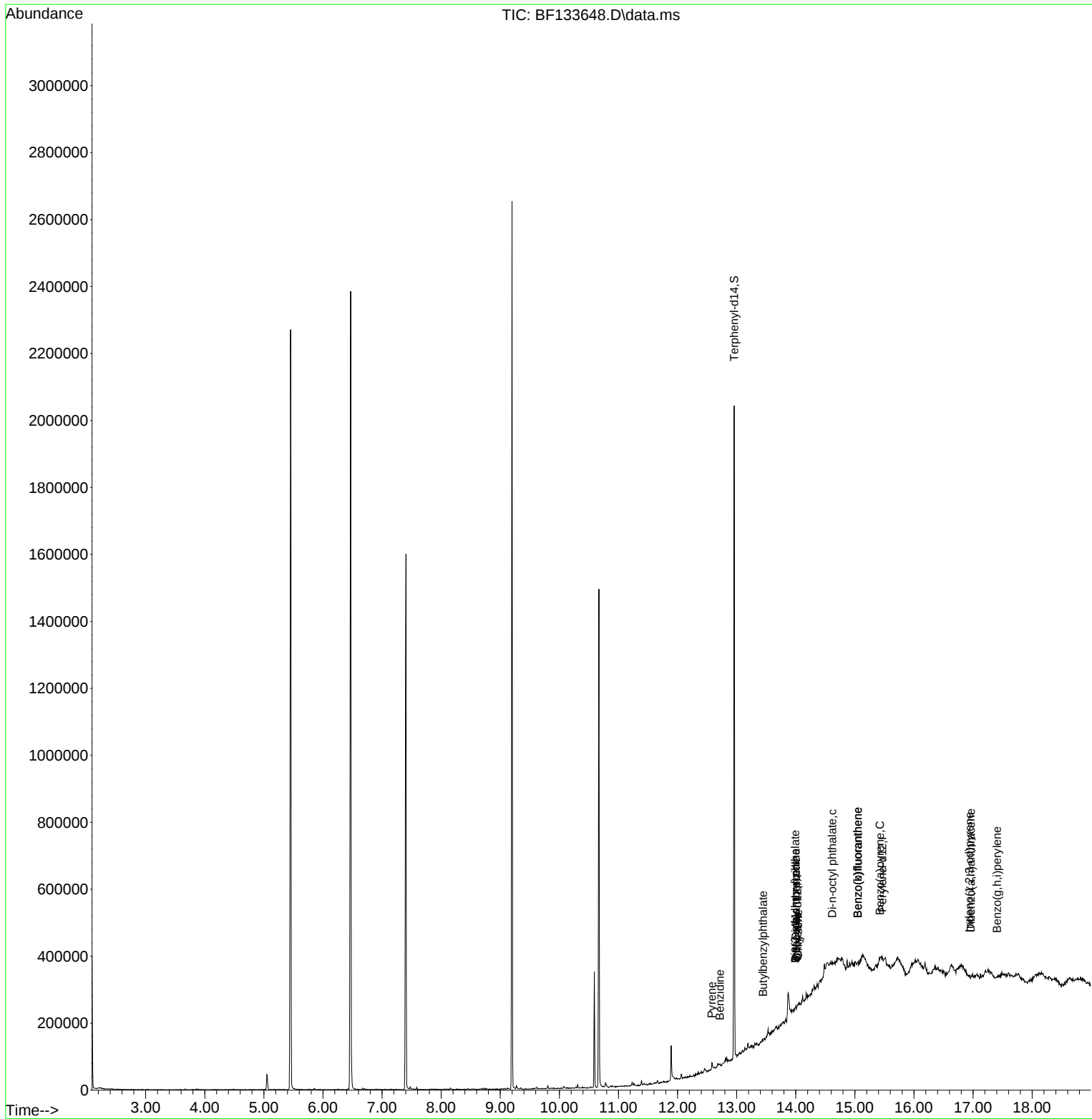
Quant Time: Jun 09 01:46:56 2023

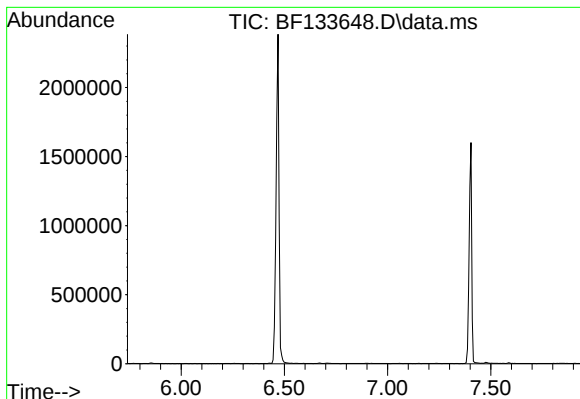
Quant Method : Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF052523.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jun 08 11:43:32 2023

Response via : Initial Calibration



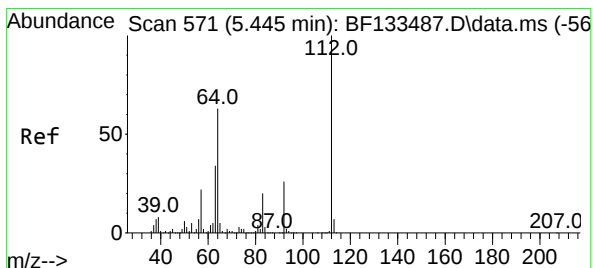
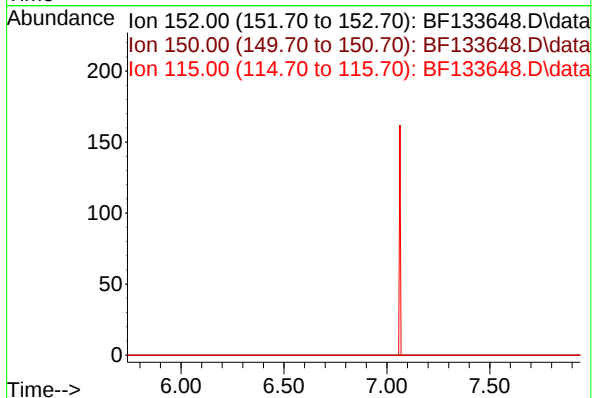


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.000 ng  
Expected RT: 6.84 min

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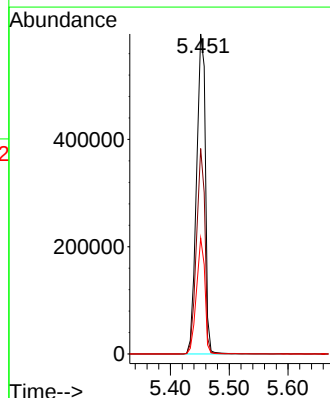
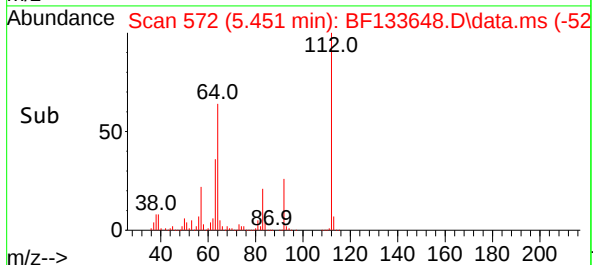
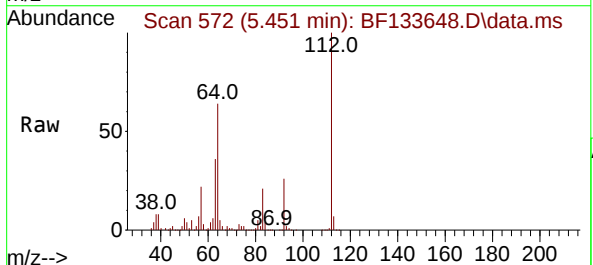
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Tgt Ion: 152  
Sig Exp Ratio  
152 100  
150 156.1  
115 60.1



#5  
2-Fluorophenol  
Concen: 0.000 ng  
RT: 5.451 min Scan# 572  
Delta R.T. 0.006 min  
Lab File: BF133648.D  
Acq: 08 Jun 2023 18:45

Tgt Ion: 112 Resp: 623896  
Ion Ratio Lower Upper  
112 100  
64 64.2 50.1 75.1  
63 36.2 27.5 41.3

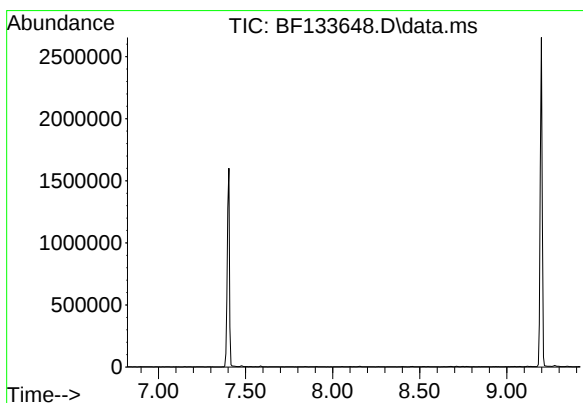
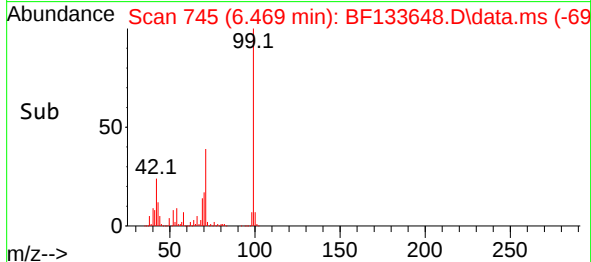
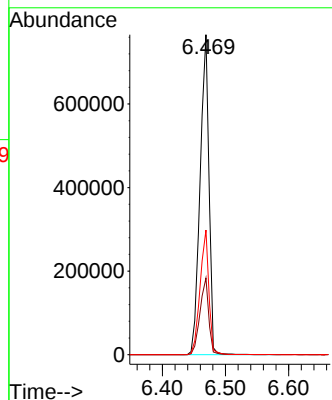
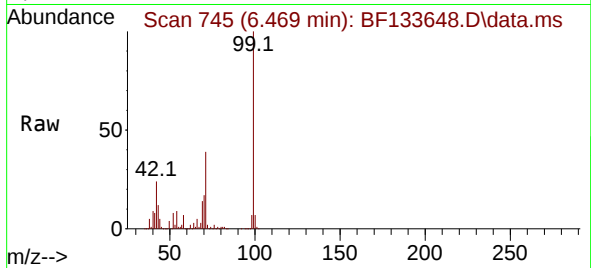




#7  
Phenol-d6  
Concen: 0.000 ng  
RT: 6.469 min Scan# 744  
Delta R.T. 0.000 min  
Lab File: BF133648.D  
Acq: 08 Jun 2023 18:45

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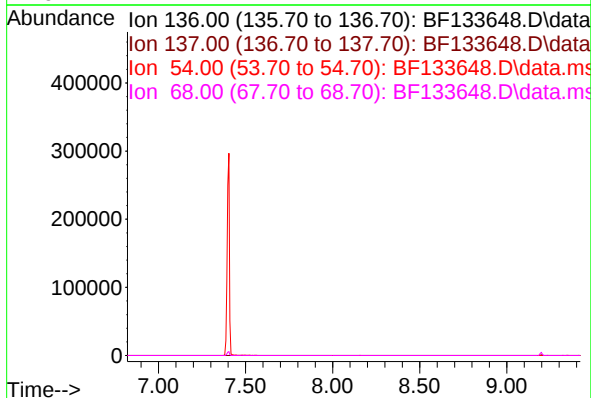
Tgt Ion: 99 Resp: 745123  
Ion Ratio Lower Upper  
99 100  
42 24.0 19.7 29.5  
71 38.9 29.8 44.8

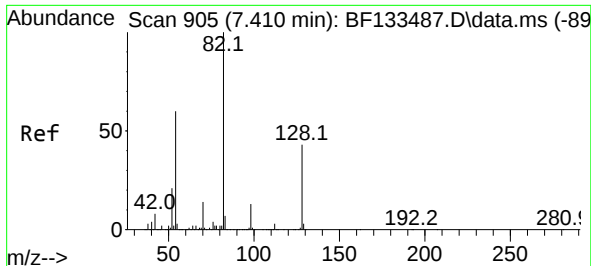


#21  
Naphthalene-d8  
Concen: 0.000 ng  
Expected RT: 8.12 min

Lab File: BF133648.D  
Acq: 08 Jun 2023 18:45

Tgt Ion: 136  
Sig Exp Ratio  
136 100  
137 10.3  
54 8.3  
68 5.8

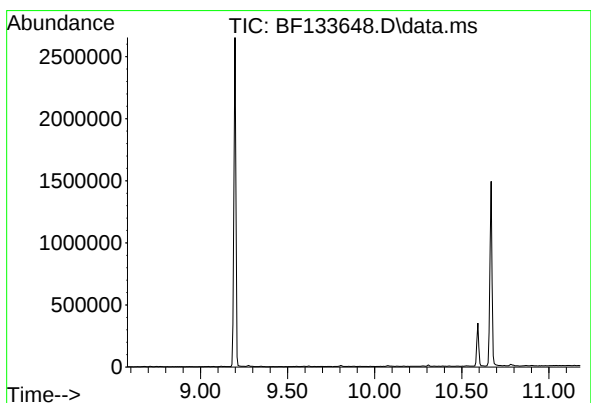
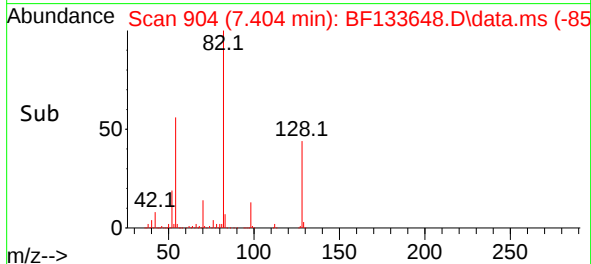
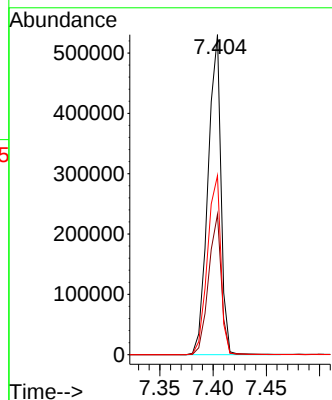
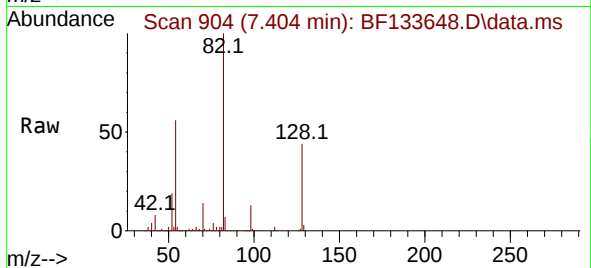




#23  
Nitrobenzene-d5  
Concen: 0.000 ng  
RT: 7.404 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: BF133648.D  
Acq: 08 Jun 2023 18:45

Instrument :  
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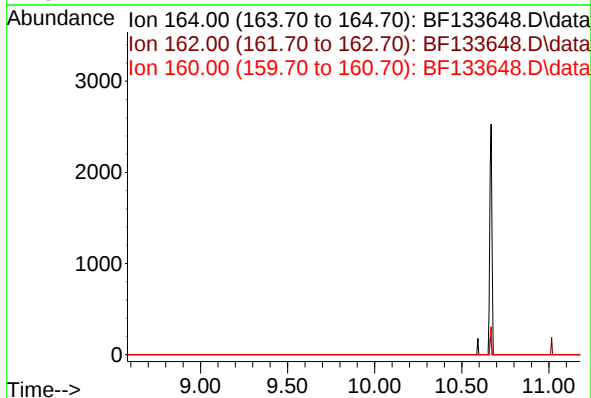
Tgt Ion: 82 Resp: 450917  
Ion Ratio Lower Upper  
82 100  
128 43.8 34.2 51.4  
54 56.0 48.2 72.4

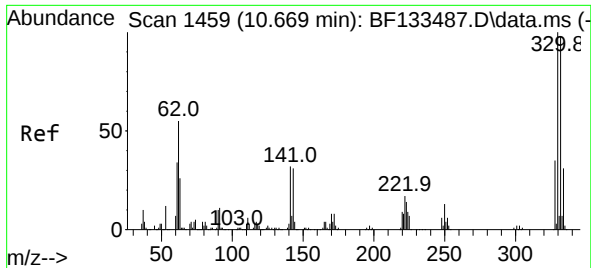


#39  
Acenaphthene-d10  
Concen: 0.000 ng  
Expected RT: 9.88 min

Lab File: BF133648.D  
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Tgt Ion: 164  
Sig Exp Ratio  
164 100  
162 99.6  
160 44.2

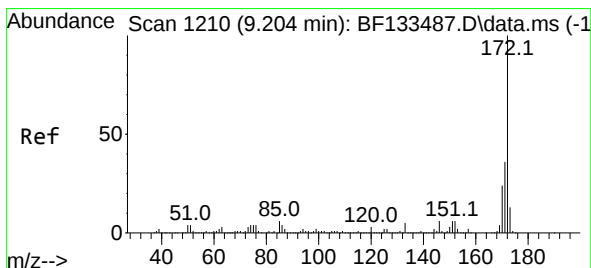
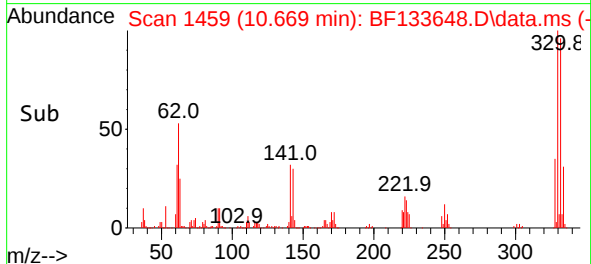
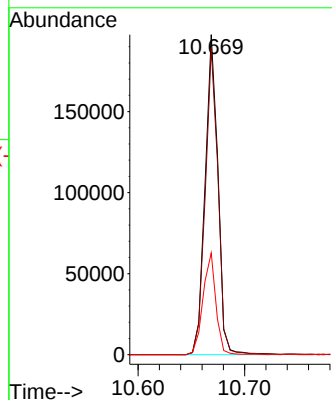
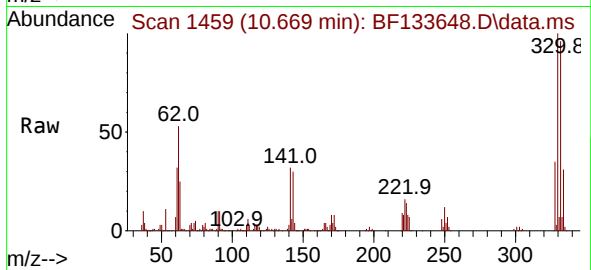




#42  
2,4,6-Tribromophenol  
Concen: 0.000 ng  
RT: 10.669 min Scan# 1459  
Delta R.T. 0.000 min  
Lab File: BF133648.D  
Acq: 08 Jun 2023 18:45

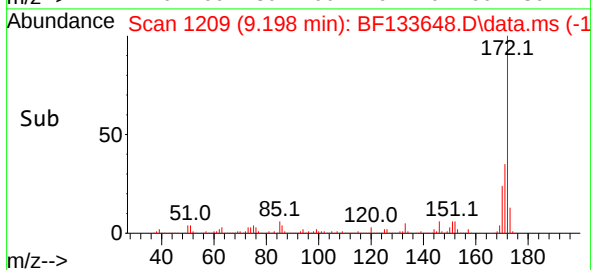
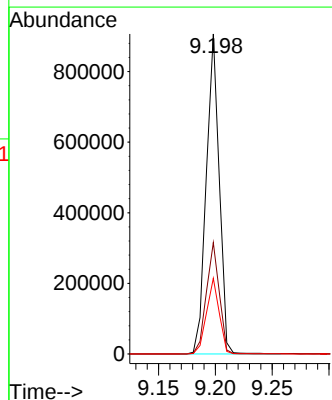
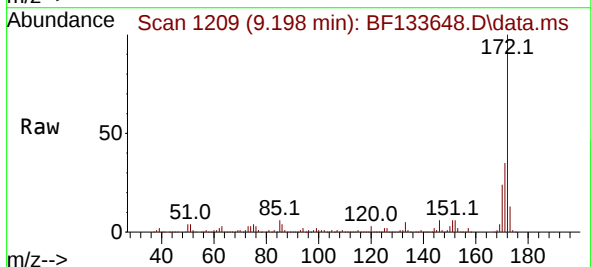
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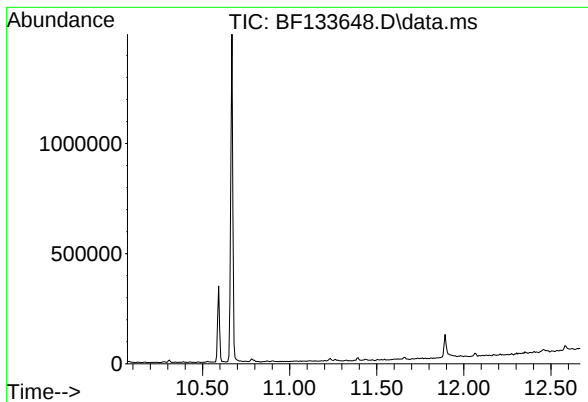
Tgt Ion:330 Resp: 166129  
Ion Ratio Lower Upper  
330 100  
332 95.4 77.8 116.6  
141 31.9 26.6 40.0



#45  
2-Fluorobiphenyl  
Concen: 0.000 ng  
RT: 9.198 min Scan# 1209  
Delta R.T. 0.000 min  
Lab File: BF133648.D  
Acq: 08 Jun 2023 18:45

Tgt Ion:172 Resp: 717305  
Ion Ratio Lower Upper  
172 100  
171 34.8 28.4 42.6  
170 23.7 19.3 28.9

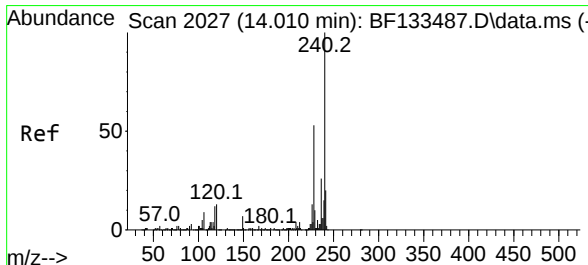
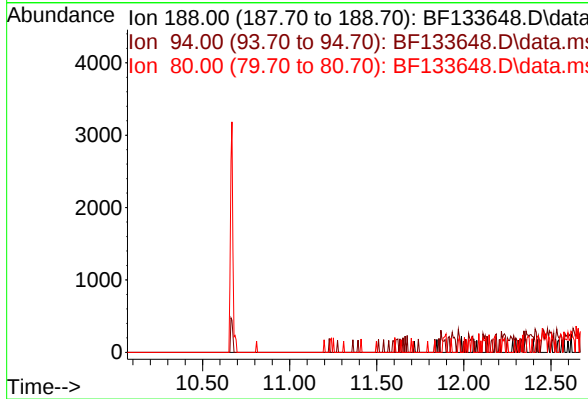




#64  
 Phenanthrene-d10  
 Concen: 0.000 ng  
 Expected RT: 11.37 min  
 Lab File: BF133648.D  
 Acq: 08 Jun 2023 18:45

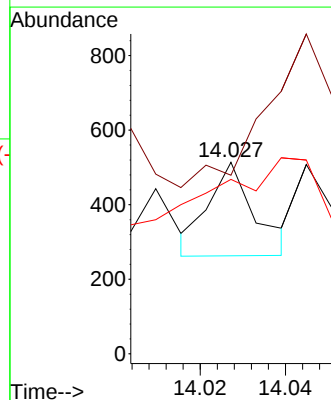
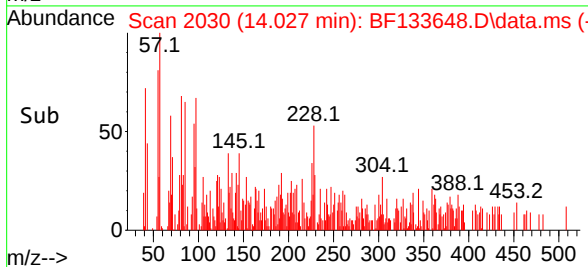
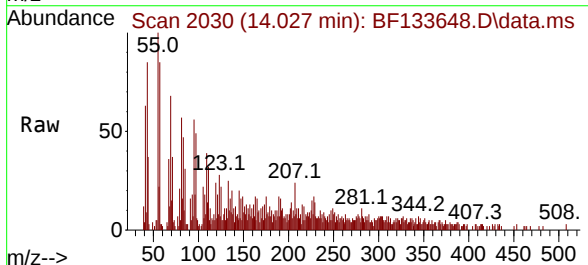
Instrument :  
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 ClientSampleId :  
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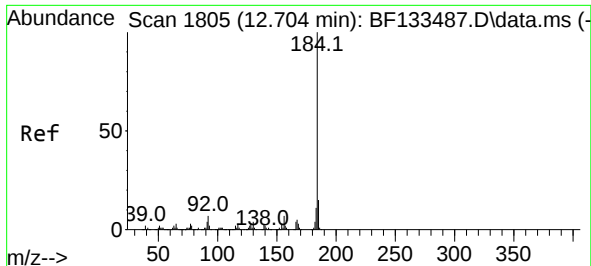
Tgt Ion: 188  
 Sig Exp Ratio  
 188 100  
 94 10.7  
 80 11.5



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.027 min Scan# 2030  
 Delta R.T. 0.012 min  
 Lab File: BF133648.D  
 Acq: 08 Jun 2023 18:45

Tgt Ion: 240 Resp: 189  
 Ion Ratio Lower Upper  
 240 100  
 120 93.2 10.3 15.5#  
 236 91.1 20.5 30.7#

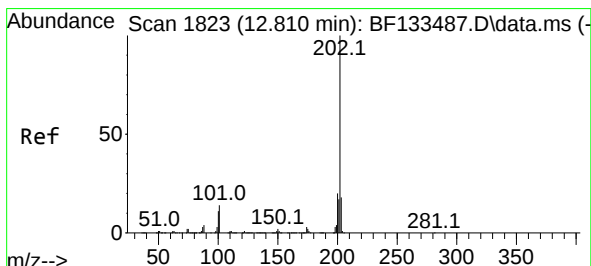
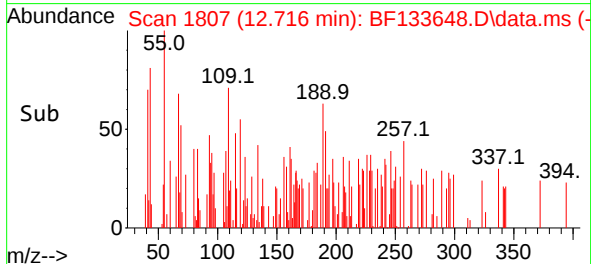
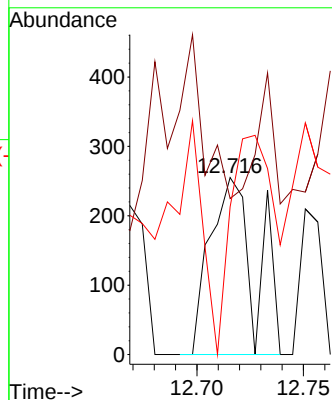
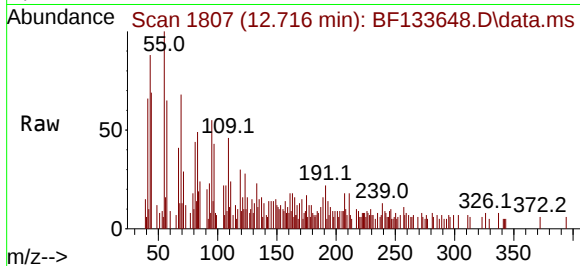




#77  
Benzidine  
Concen: 68.020 ng  
RT: 12.716 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: BF133648.D  
Acq: 08 Jun 2023 18:45

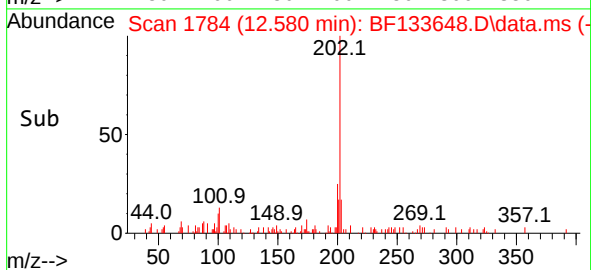
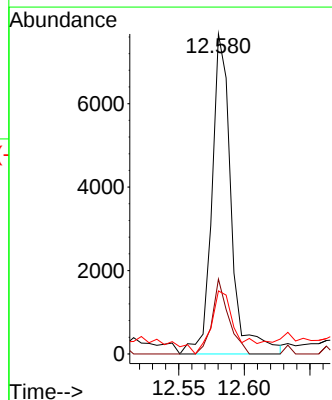
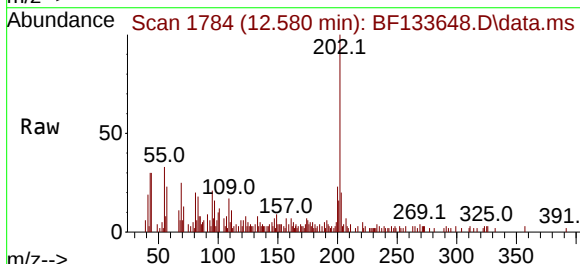
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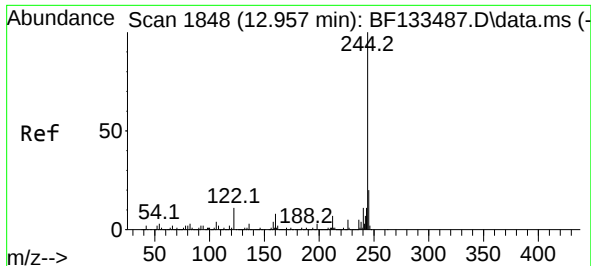
Tgt Ion:184 Resp: 376  
Ion Ratio Lower Upper  
184 100  
185 88.2 12.2 18.2#  
183 83.5 8.7 13.1#



#78  
Pyrene  
Concen: 489.708 ng  
RT: 12.580 min Scan# 1784  
Delta R.T. -0.235 min  
Lab File: BF133648.D  
Acq: 08 Jun 2023 18:45

Tgt Ion:202 Resp: 7876  
Ion Ratio Lower Upper  
202 100  
200 23.4 16.3 24.5  
203 19.7 14.3 21.5

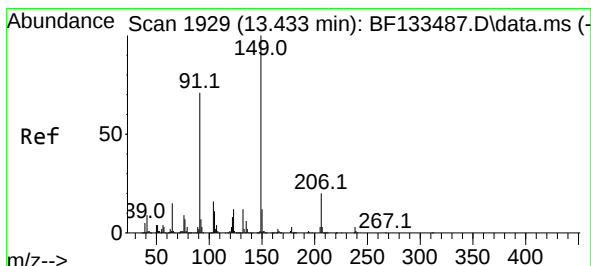
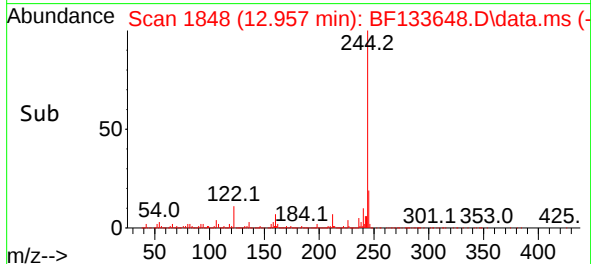
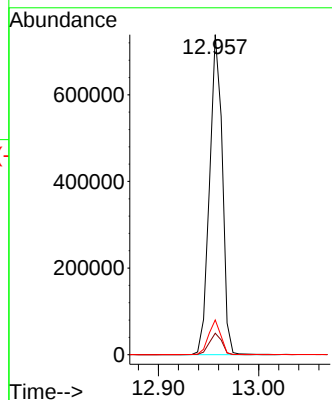
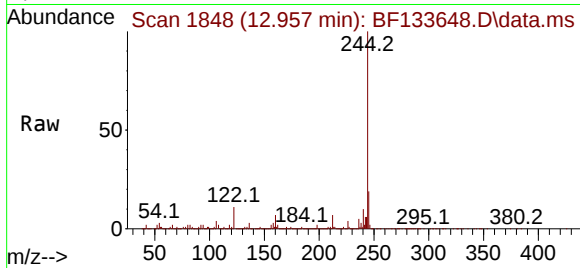




#79  
 Terphenyl-d14  
 Concen: 61292.389 ng  
 RT: 12.957 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF133648.D  
 Acq: 08 Jun 2023 18:45

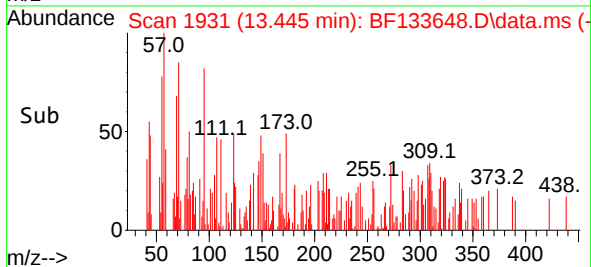
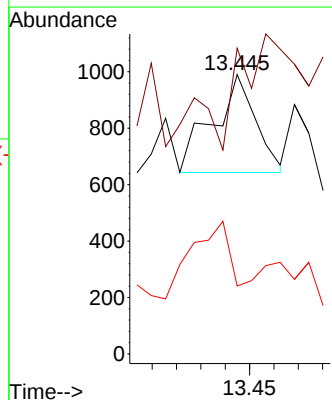
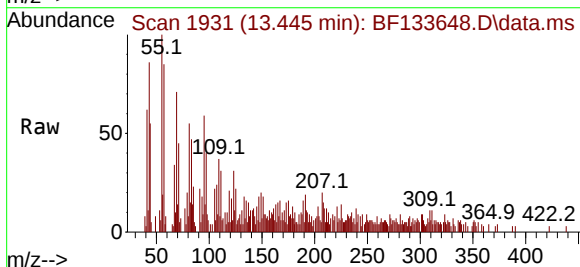
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 BNA\_F  
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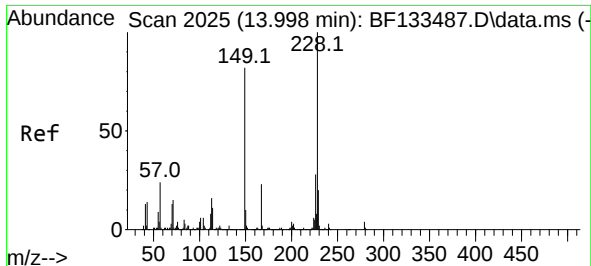
Tgt Ion:244 Resp: 651539  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.8 8.6  
 122 10.9 8.5 12.7



#80  
 Butylbenzylphthalate  
 Concen: 66.945 ng  
 RT: 13.445 min Scan# 1931  
 Delta R.T. 0.012 min  
 Lab File: BF133648.D  
 Acq: 08 Jun 2023 18:45

Tgt Ion:149 Resp: 426  
 Ion Ratio Lower Upper  
 149 100  
 91 109.4 56.9 85.3#  
 206 24.3 15.7 23.5#

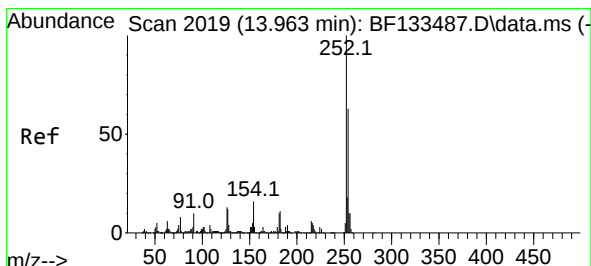
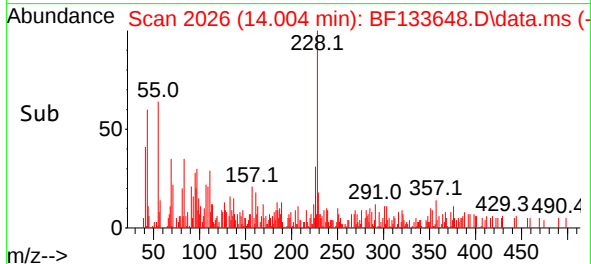
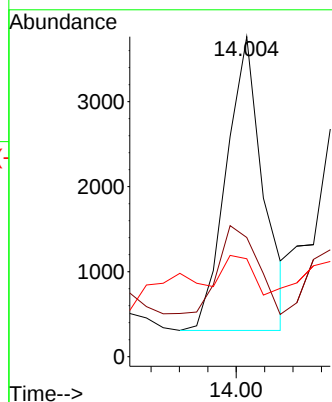
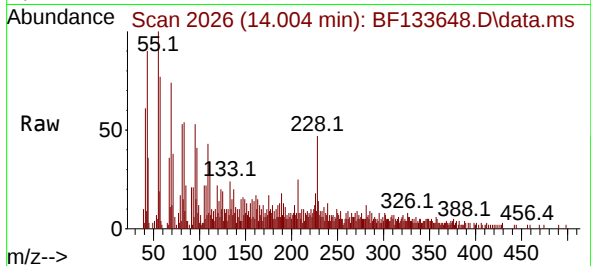




#81  
Benzo(a)anthracene  
Concen: 248.599 ng  
RT: 14.004 min Scan# 2026  
Delta R.T. 0.000 min  
Lab File: BF133648.D  
Acq: 08 Jun 2023 18:45

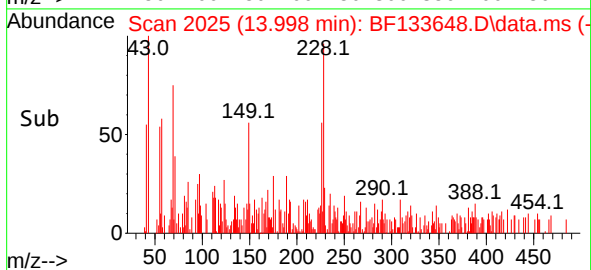
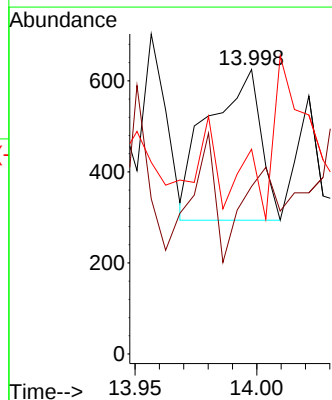
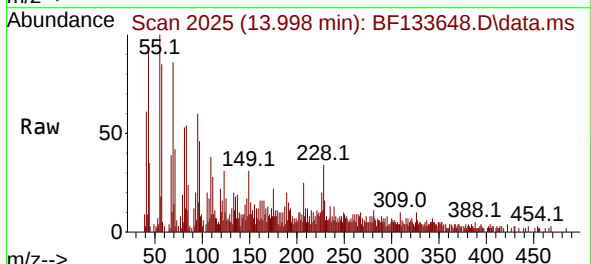
Instrument :  
BNA\_F  
ClientSampleId :  
TP-6

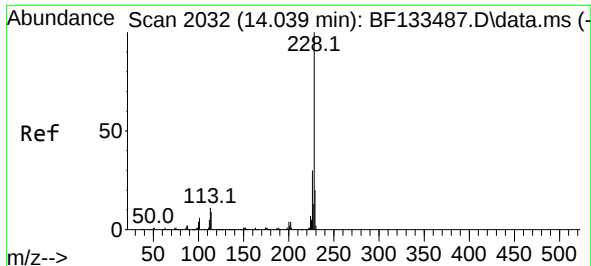
Tgt Ion:228 Resp: 3130  
Ion Ratio Lower Upper  
228 100  
226 37.2 22.3 33.5#  
229 30.6 16.1 24.1#



#82  
3,3'-Dichlorobenzidine  
Concen: 124.749 ng  
RT: 13.998 min Scan# 2025  
Delta R.T. 0.029 min  
Lab File: BF133648.D  
Acq: 08 Jun 2023 18:45

Tgt Ion:252 Resp: 491  
Ion Ratio Lower Upper  
252 100  
254 58.9 50.3 75.5  
126 72.0 10.5 15.7#





#83

Chrysene

Concen: 256.563 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF133648.D

Acq: 08 Jun 2023 18:45

Instrument :

BNA\_F

ClientSampleId :

TP-6

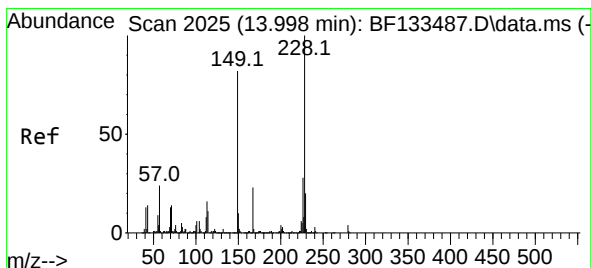
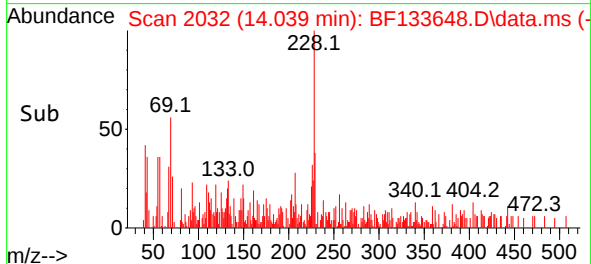
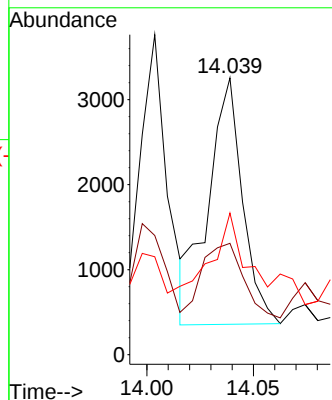
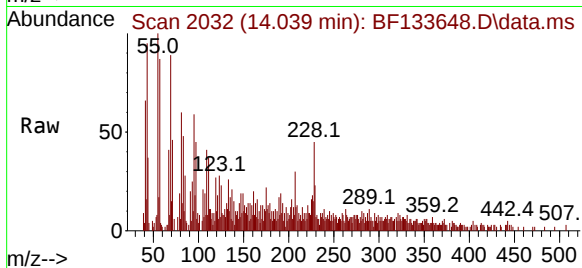
Tgt Ion:228 Resp: 3261

Ion Ratio Lower Upper

228 100

226 40.2 24.1 36.1#

229 51.2 15.8 23.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 214.481 ng

RT: 13.992 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF133648.D

Acq: 08 Jun 2023 18:45

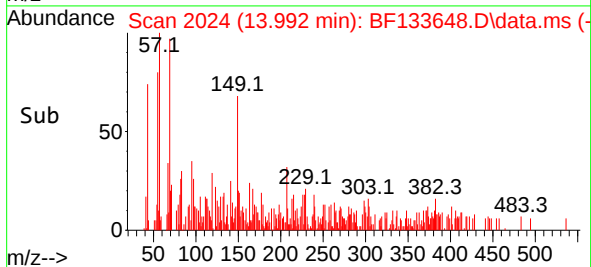
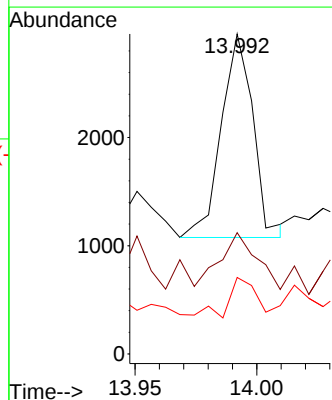
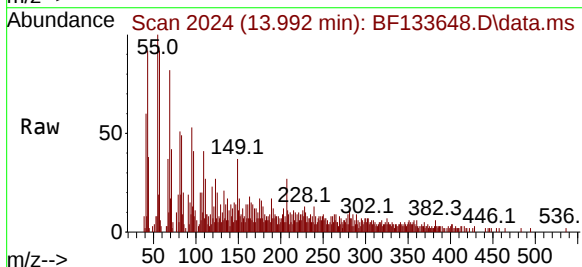
Tgt Ion:149 Resp: 1706

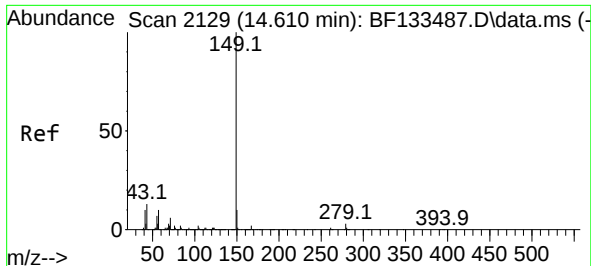
Ion Ratio Lower Upper

149 100

167 37.9 22.0 33.0#

279 23.9 3.6 5.4#

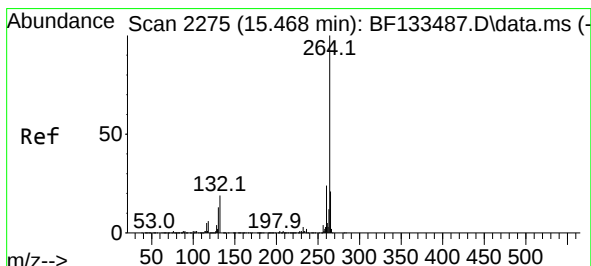
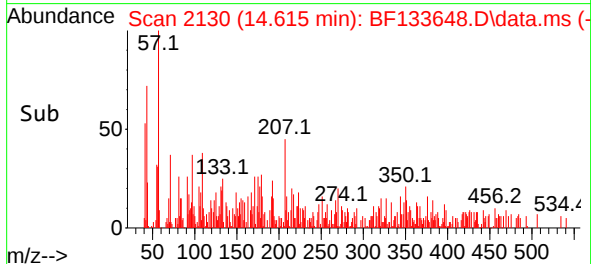
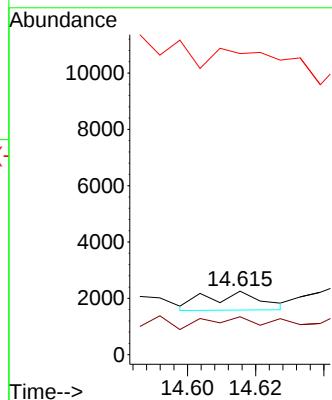
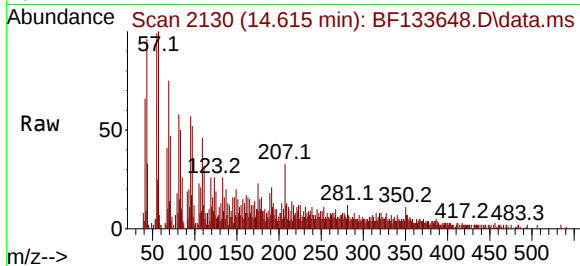




#85  
Di-n-octyl phthalate  
Concen: 55.773 ng  
RT: 14.615 min Scan# 2129  
Delta R.T. 0.006 min  
Lab File: BF133648.D  
Acq: 08 Jun 2023 18:45

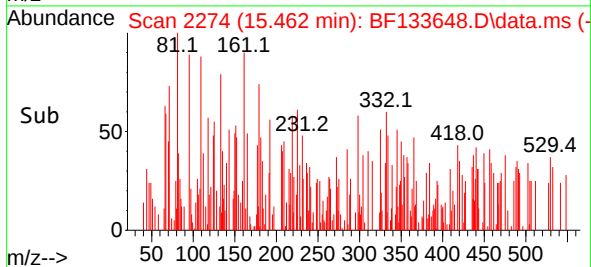
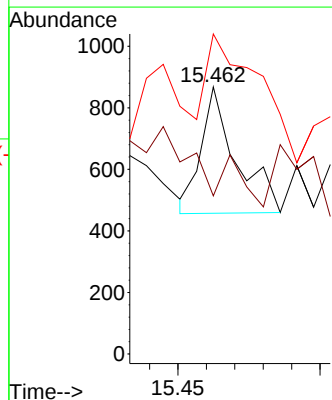
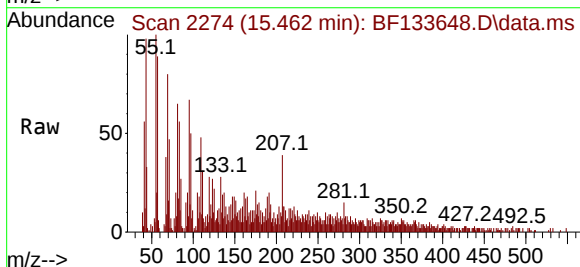
Instrument :  
BNA\_F  
ClientSampleId :  
TP-6

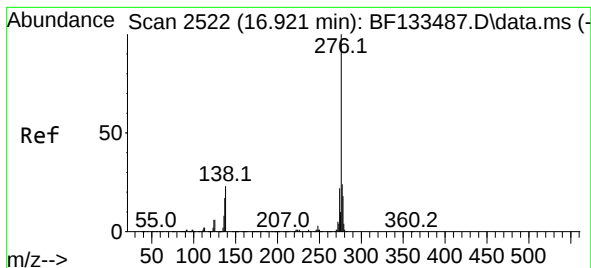
Tgt Ion:149 Resp: 739  
Ion Ratio Lower Upper  
149 100  
167 86.9 1.3 1.9#  
43 0.0 10.0 15.0#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.462 min Scan# 2274  
Delta R.T. -0.018 min  
Lab File: BF133648.D  
Acq: 08 Jun 2023 18:45

Tgt Ion:264 Resp: 351  
Ion Ratio Lower Upper  
264 100  
260 59.2 19.0 28.4#  
265 119.8 16.8 25.2#





#87

Indeno(1,2,3-cd)pyrene

Concen: 126.307 ng

RT: 16.939 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133648.D

Acq: 08 Jun 2023 18:45

Instrument :

BNA\_F

ClientSampleId :

TP-6

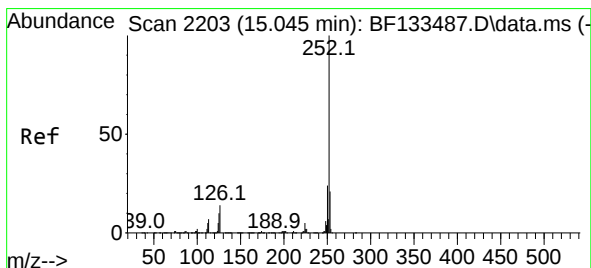
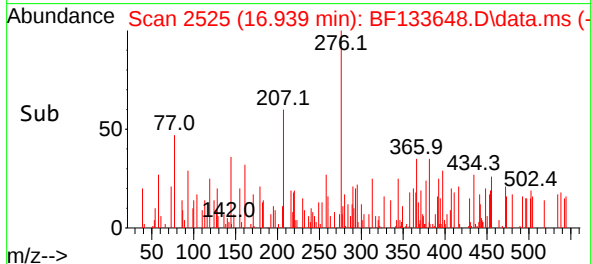
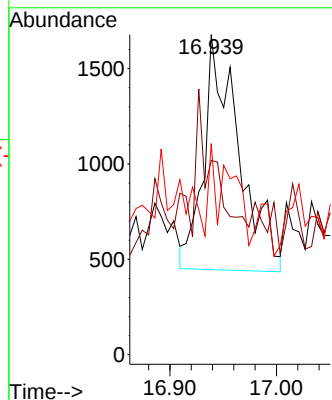
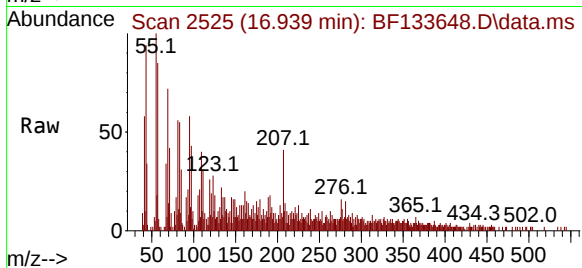
Tgt Ion:276 Resp: 2824

Ion Ratio Lower Upper

276 100

138 32.2 21.4 32.2

277 6.7 20.0 30.0#



#88

Benzo(b)fluoranthene

Concen: 295.894 ng

RT: 15.051 min Scan# 2204

Delta R.T. 0.000 min

Lab File: BF133648.D

Acq: 08 Jun 2023 18:45

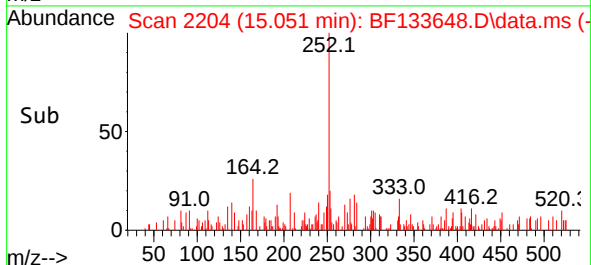
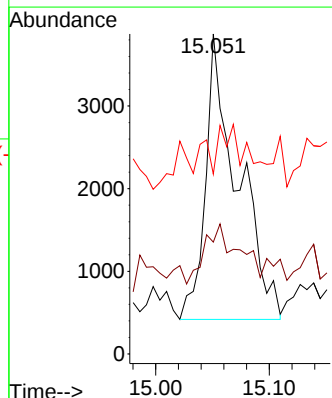
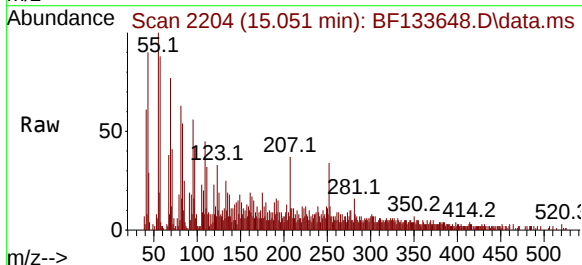
Tgt Ion:252 Resp: 6763

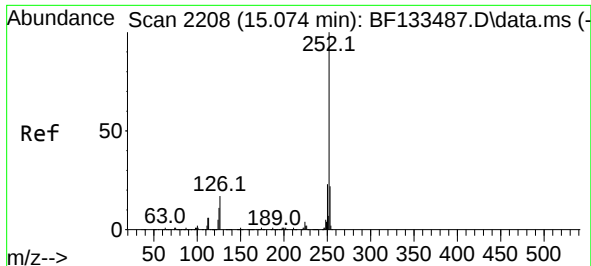
Ion Ratio Lower Upper

252 100

253 34.9 17.2 25.8#

125 56.2 8.1 12.1#

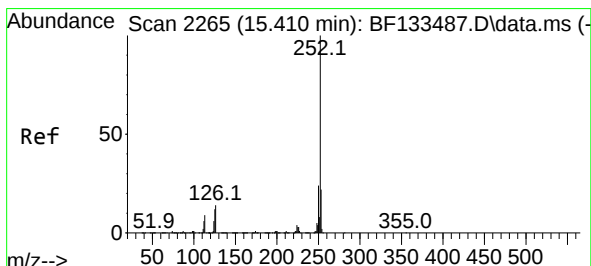
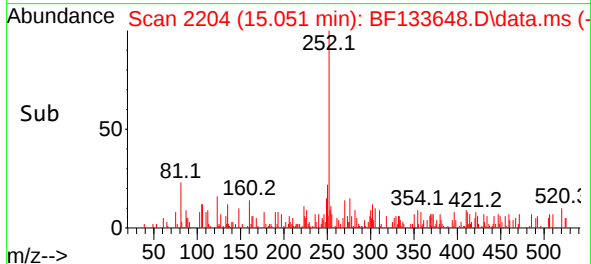
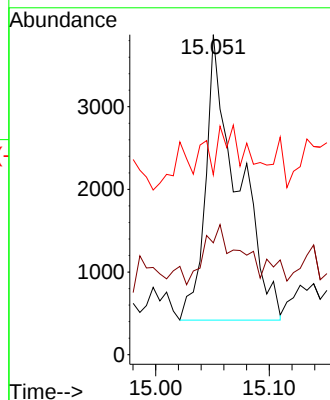
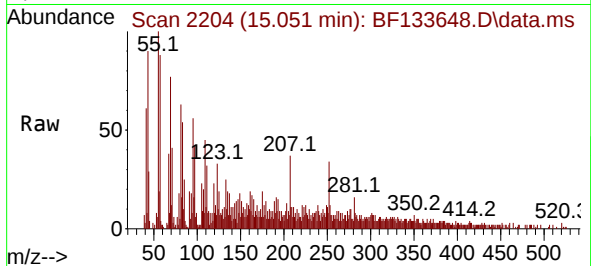




#89  
Benzo(k)fluoranthene  
Concen: 303.459 ng  
RT: 15.051 min Scan# 21  
Delta R.T. -0.035 min  
Lab File: BF133648.D  
Acq: 08 Jun 2023 18:45

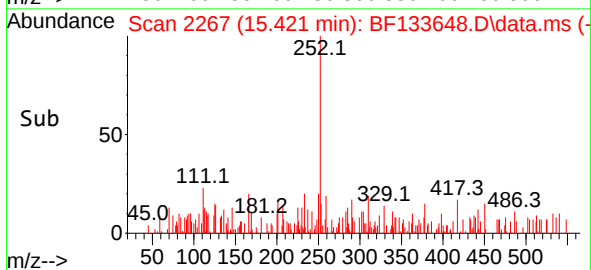
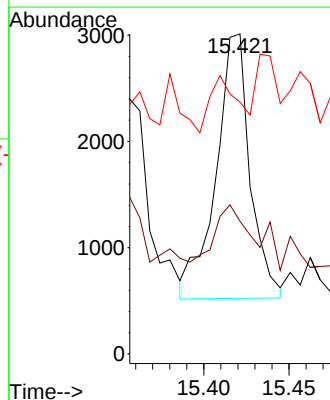
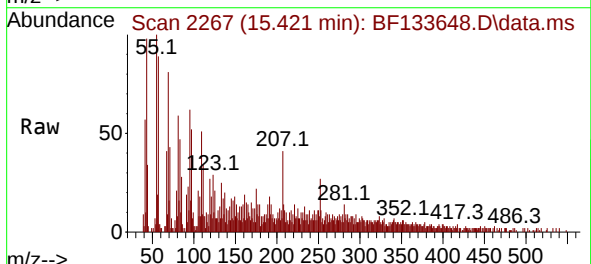
Instrument :  
BNA\_F  
ClientSampleId :  
TP-6

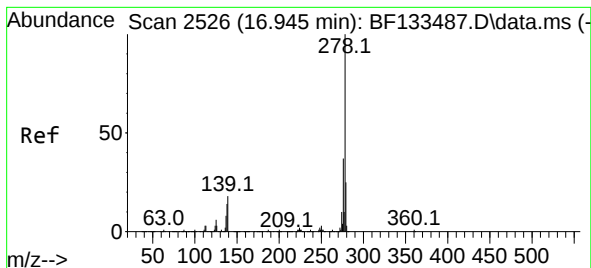
Tgt Ion:252 Resp: 6763  
Ion Ratio Lower Upper  
252 100  
253 34.9 17.4 26.2#  
125 56.2 8.3 12.5#



#90  
Benzo(a)pyrene  
Concen: 166.413 ng  
RT: 15.421 min Scan# 2267  
Delta R.T. 0.006 min  
Lab File: BF133648.D  
Acq: 08 Jun 2023 18:45

Tgt Ion:252 Resp: 3461  
Ion Ratio Lower Upper  
252 100  
253 41.4 17.4 26.0#  
125 78.7 9.4 14.0#





#91

Dibenzo(a,h)anthracene

Concen: 54.172 ng

RT: 16.962 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133648.D

Acq: 08 Jun 2023 18:45

Instrument :

BNA\_F

ClientSampleId :

TP-6

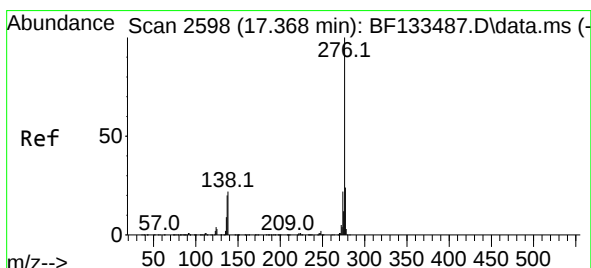
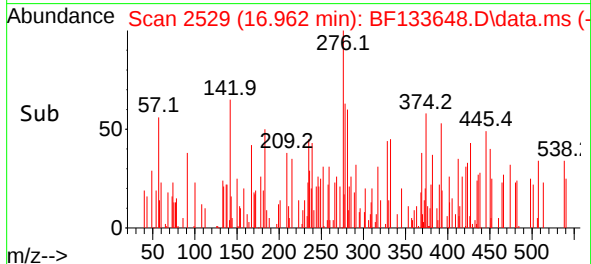
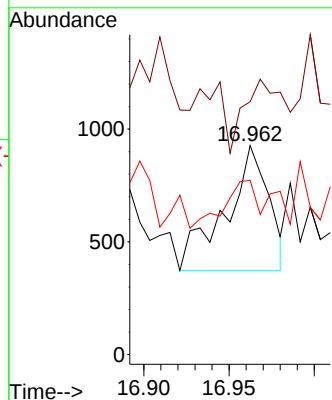
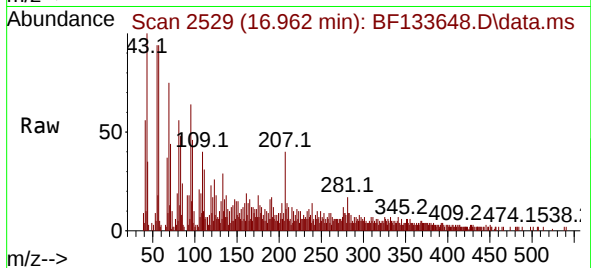
Tgt Ion:278 Resp: 982

Ion Ratio Lower Upper

278 100

139 121.0 14.1 21.1#

279 83.4 19.7 29.5#



#92

Benzo(g,h,i)perylene

Concen: 179.282 ng

RT: 17.403 min Scan# 2604

Delta R.T. 0.012 min

Lab File: BF133648.D

Acq: 08 Jun 2023 18:45

Tgt Ion:276 Resp: 3277

Ion Ratio Lower Upper

276 100

277 47.4 18.8 28.2#

138 49.0 17.8 26.6#

