

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042623\  
 Data File : BF133081.D  
 Acq On : 26 Apr 2023 23:34  
 Operator : CG\JU  
 Sample : 02427-07  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20230347-COMP-25

Quant Time: Apr 27 02:04:03 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 27 01:56:03 2023  
 Response via : Initial Calibration

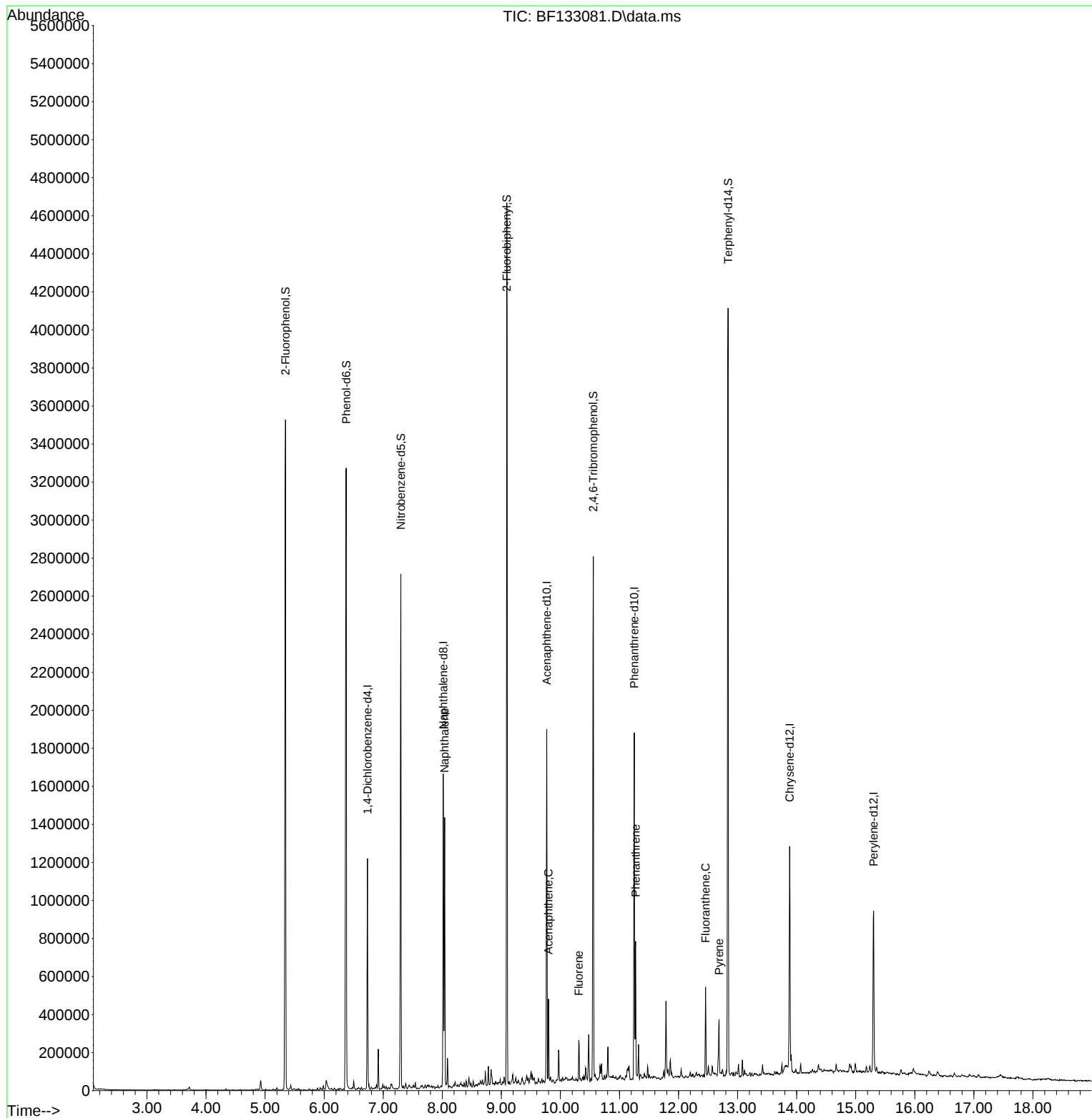
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.734  | 152  | 154575   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.016  | 136  | 652007   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.769  | 164  | 336647   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.251 | 188  | 599857   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.880 | 240  | 349817   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12            | 15.304 | 264  | 364970   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.346  | 112  | 1064821  | 104.061 | ng    | 0.00     |
| 7) Phenol-d6                | 6.375  | 99   | 1318821  | 103.837 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.298  | 82   | 770056   | 63.750  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.557 | 330  | 342726   | 101.230 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.092  | 172  | 1357848  | 67.480  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.839 | 244  | 1483719  | 73.150  | ng    | 0.00     |
| Target Compounds            |        |      |          |         |       |          |
|                             |        |      |          |         |       | Qvalue   |
| 31) Naphthalene             | 8.040  | 128  | 510573   | 15.663  | ng    | 99       |
| 52) Acenaphthene            | 9.798  | 154  | 80228    | 3.837   | ng    | 98       |
| 58) Fluorene                | 10.310 | 166  | 55247    | 2.644   | ng    | 99       |
| 71) Phenanthrene            | 11.275 | 178  | 260041   | 8.066   | ng    | 97       |
| 75) Fluoranthene            | 12.457 | 202  | 159344   | 4.925   | ng    | 98       |
| 78) Pyrene                  | 12.686 | 202  | 117562   | 3.920   | ng    | 99       |
| -----                       |        |      |          |         |       |          |

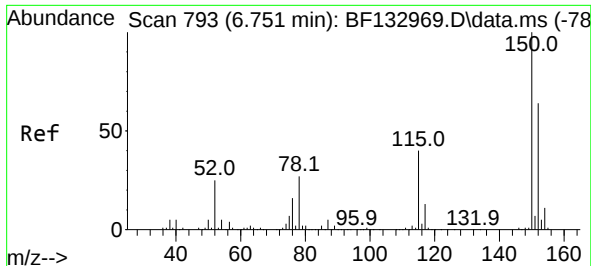
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042623\  
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Quant Time: Apr 27 02:04:03 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 27 01:56:03 2023  
Response via : Initial Calibration

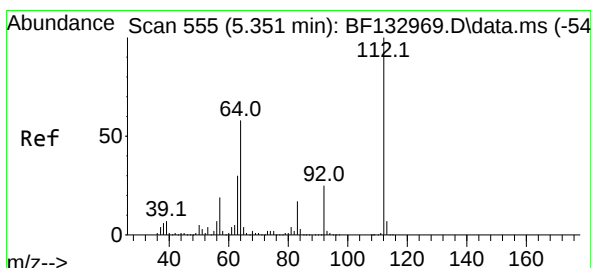
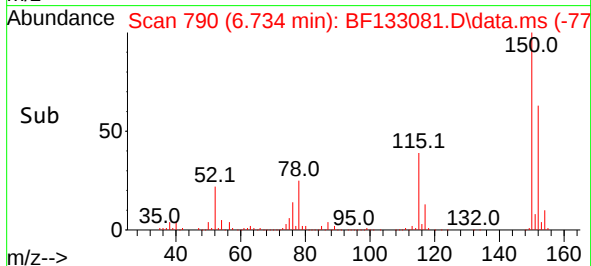
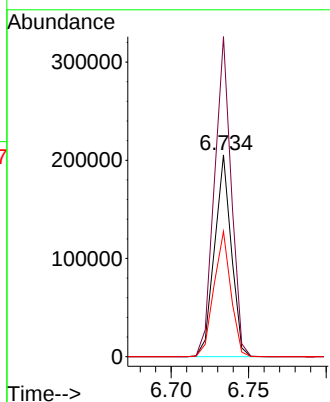
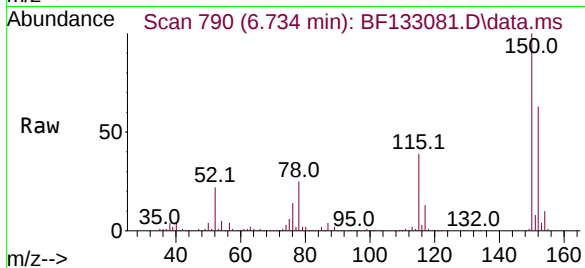




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.734 min Scan# 793  
 Delta R.T. -0.005 min  
 Lab File: BF133081.D  
 Acq: 26 Apr 2023 23:34

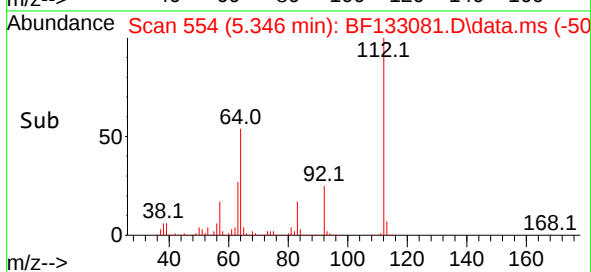
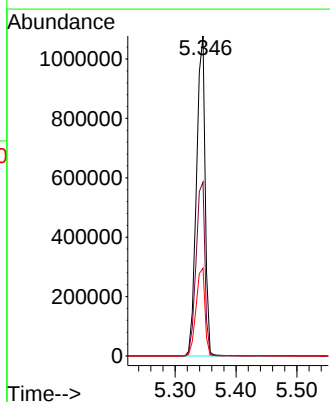
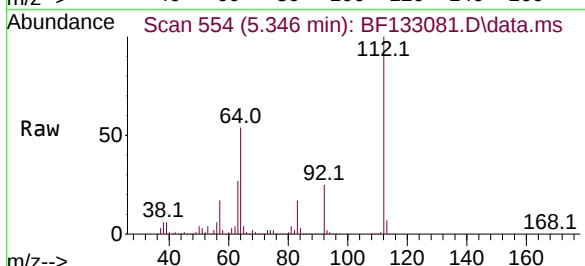
Instrument :  
 BNA\_F  
 ClientSampleId :  
 20230347-COMP-25

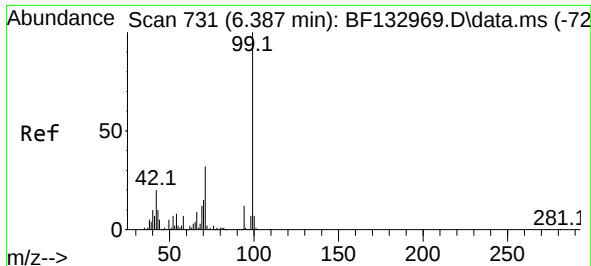
Tgt Ion:152 Resp: 154575  
 Ion Ratio Lower Upper  
 152 100  
 150 158.6 124.8 187.2  
 115 62.1 49.9 74.9



#5  
 2-Fluorophenol  
 Concen: 104.061 ng  
 RT: 5.346 min Scan# 554  
 Delta R.T. 0.006 min  
 Lab File: BF133081.D  
 Acq: 26 Apr 2023 23:34

Tgt Ion:112 Resp: 1064821  
 Ion Ratio Lower Upper  
 112 100  
 64 54.4 46.8 70.2  
 63 27.5 23.8 35.8

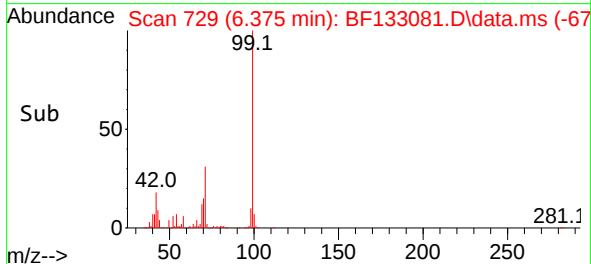
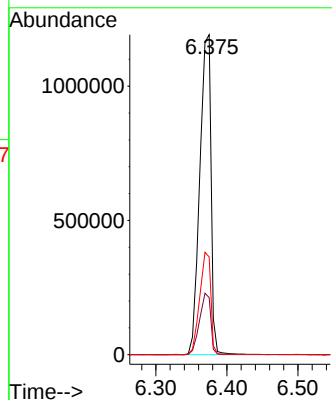
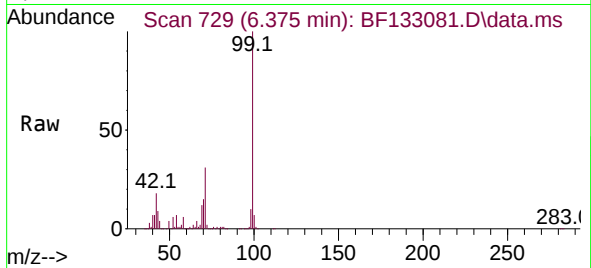




#7  
Phenol-d6  
Concen: 103.837 ng  
RT: 6.375 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF133081.D  
Acq: 26 Apr 2023 23:34

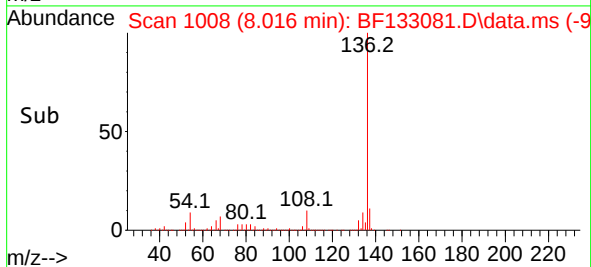
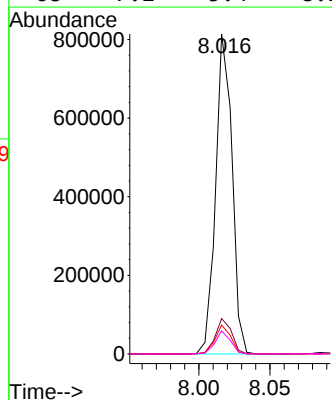
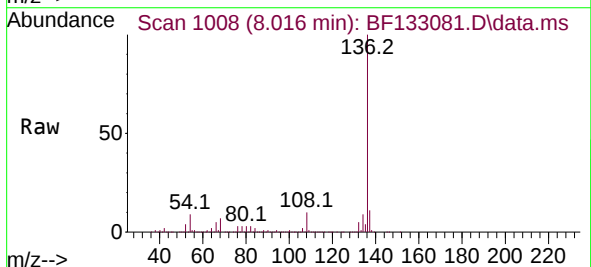
Instrument :  
BNA\_F  
ClientSampleId :  
20230347-COMP-25

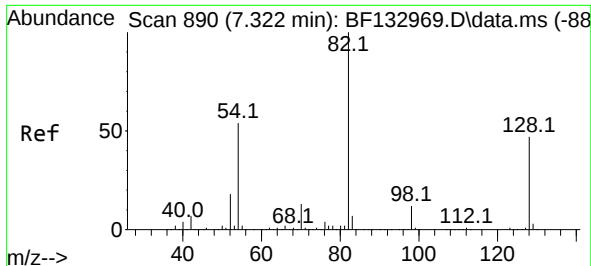
Tgt Ion: 99 Resp: 1318821  
Ion Ratio Lower Upper  
99 100  
42 17.8 16.3 24.5  
71 30.5 25.6 38.4



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.016 min Scan# 1008  
Delta R.T. -0.006 min  
Lab File: BF133081.D  
Acq: 26 Apr 2023 23:34

Tgt Ion: 136 Resp: 652007  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.6 13.0  
54 9.1 7.0 10.4  
68 7.2 5.4 8.2





#23

Nitrobenzene-d5

Concen: 63.750 ng

RT: 7.298 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF133081.D

Acq: 26 Apr 2023 23:34

Instrument :

BNA\_F

ClientSampleId :

20230347-COMP-25

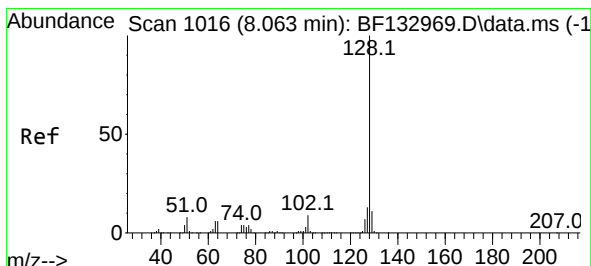
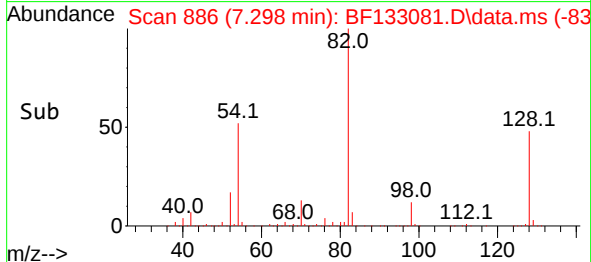
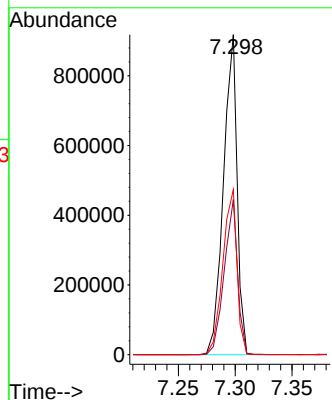
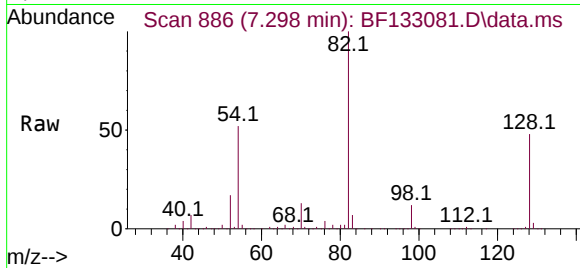
Tgt Ion: 82 Resp: 770056

Ion Ratio Lower Upper

82 100

128 48.5 37.7 56.5

54 51.5 43.0 64.4



#31

Naphthalene

Concen: 15.663 ng

RT: 8.040 min Scan# 1012

Delta R.T. -0.006 min

Lab File: BF133081.D

Acq: 26 Apr 2023 23:34

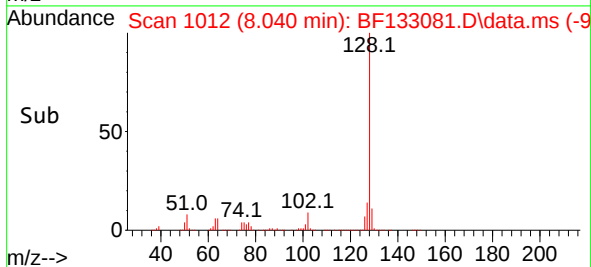
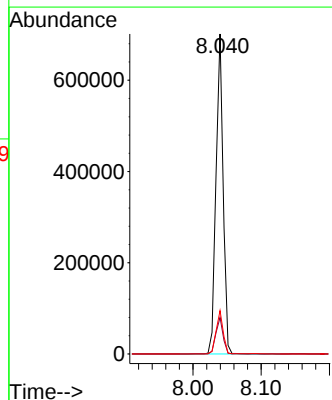
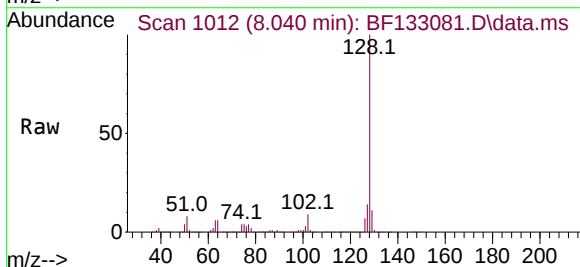
Tgt Ion: 128 Resp: 510573

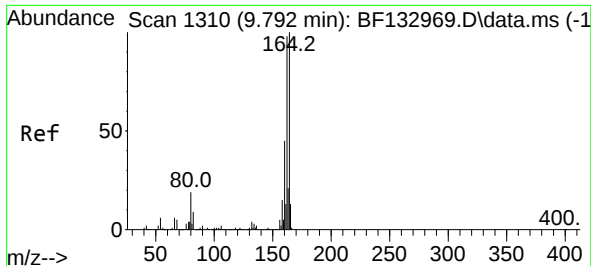
Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

127 13.6 10.7 16.1

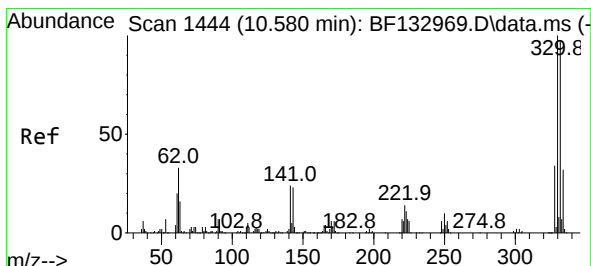
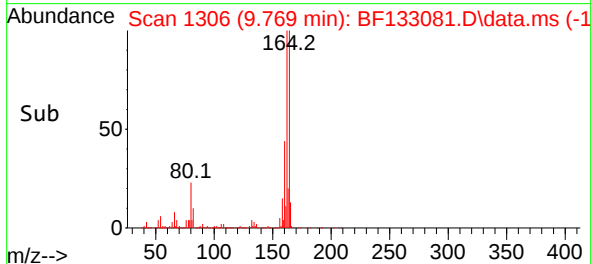
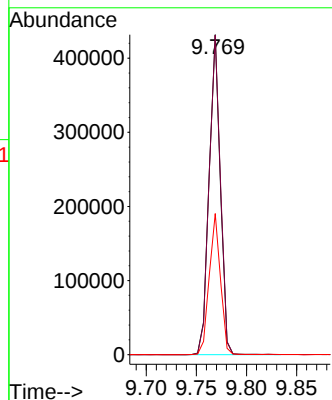
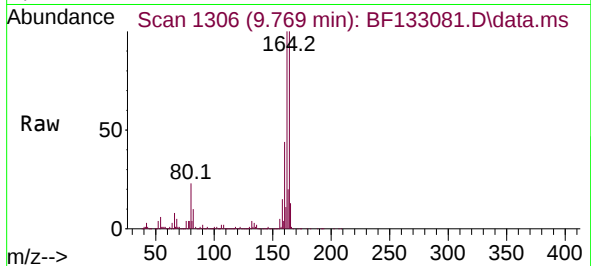




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.769 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF133081.D  
Acq: 26 Apr 2023 23:34

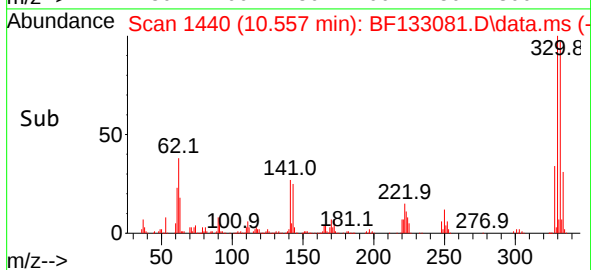
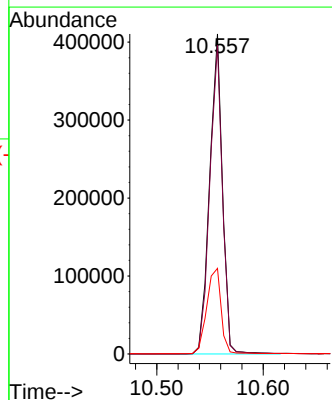
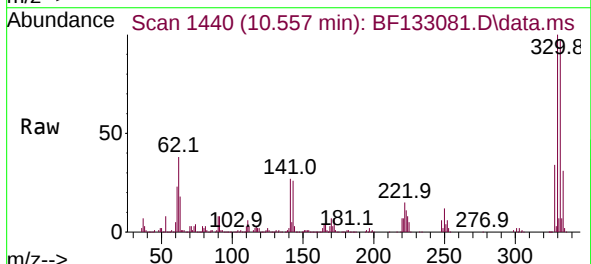
Instrument :  
BNA\_F  
ClientSampleId :  
20230347-COMP-25

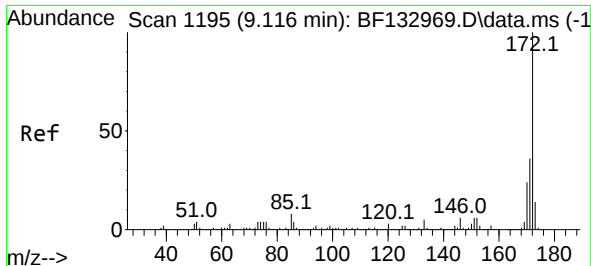
Tgt Ion:164 Resp: 336647  
Ion Ratio Lower Upper  
164 100  
162 99.8 78.7 118.1  
160 44.1 35.8 53.6



#42  
2,4,6-Tribromophenol  
Concen: 101.230 ng  
RT: 10.557 min Scan# 1440  
Delta R.T. -0.006 min  
Lab File: BF133081.D  
Acq: 26 Apr 2023 23:34

Tgt Ion:330 Resp: 342726  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.1 115.7  
141 29.9 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 67.480 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF133081.D

Acq: 26 Apr 2023 23:34

Instrument :

BNA\_F

ClientSampleId :

20230347-COMP-25

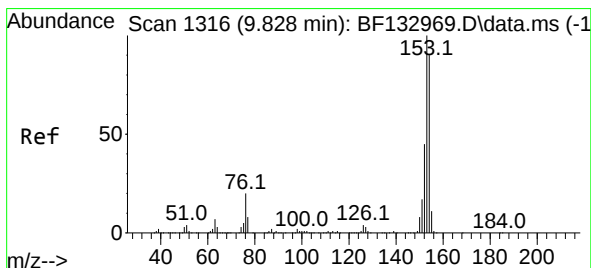
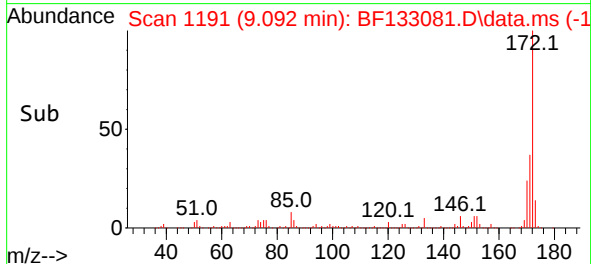
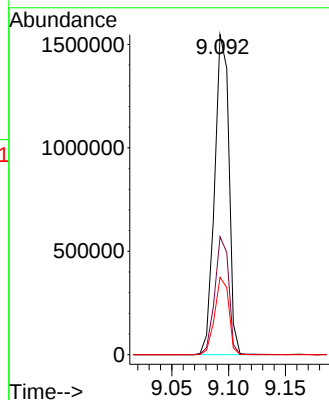
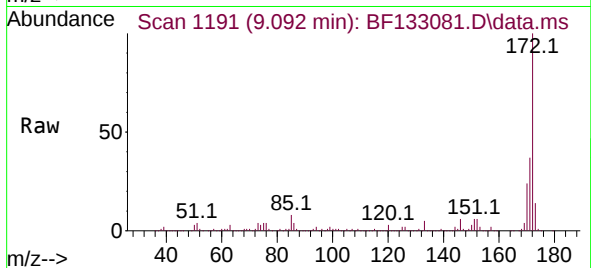
Tgt Ion:172 Resp: 1357848

Ion Ratio Lower Upper

172 100

171 36.9 28.8 43.2

170 24.1 19.4 29.2



#52

Acenaphthene

Concen: 3.837 ng

RT: 9.798 min Scan# 1311

Delta R.T. -0.012 min

Lab File: BF133081.D

Acq: 26 Apr 2023 23:34

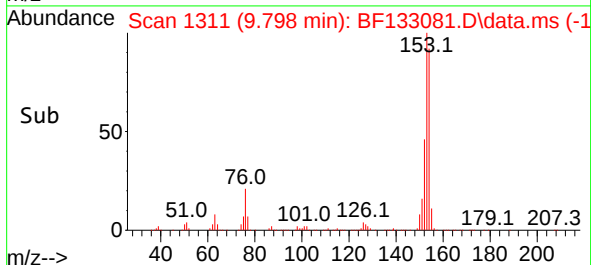
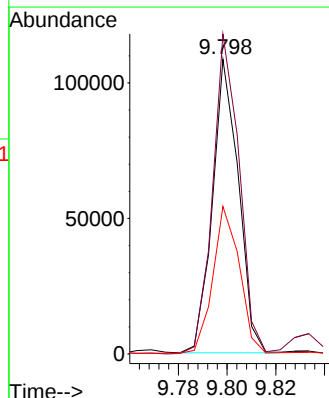
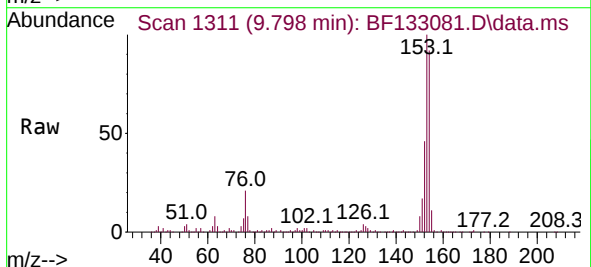
Tgt Ion:154 Resp: 80228

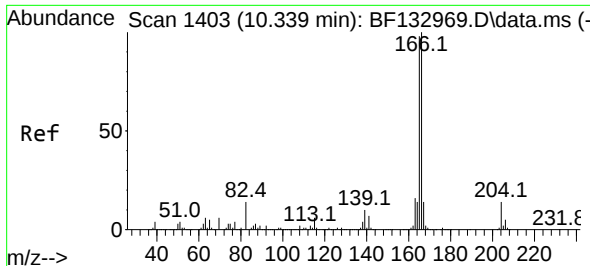
Ion Ratio Lower Upper

154 100

153 108.6 89.0 133.6

152 50.0 40.4 60.6

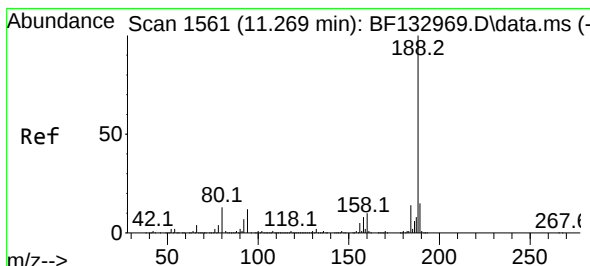
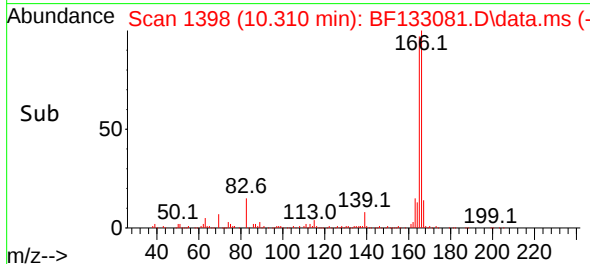
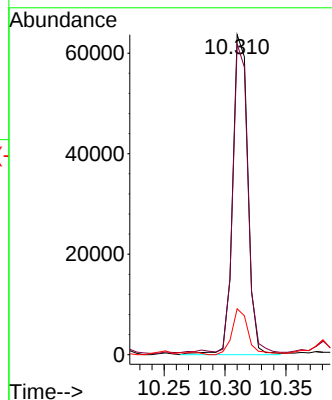
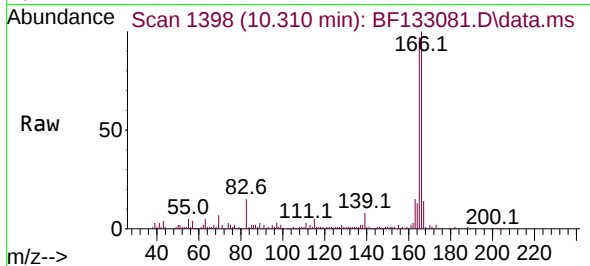




#58  
Fluorene  
Concen: 2.644 ng  
RT: 10.310 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF133081.D  
Acq: 26 Apr 2023 23:34

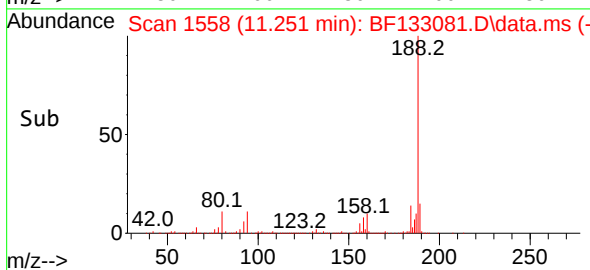
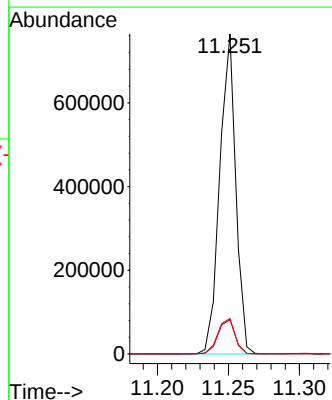
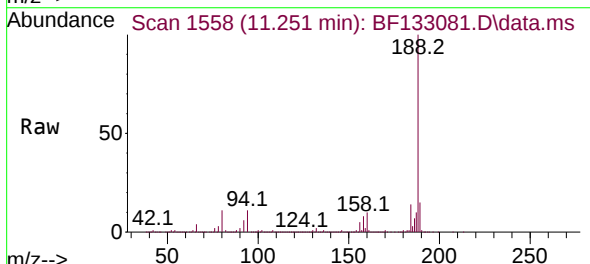
Instrument :  
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20230347-COMP-25

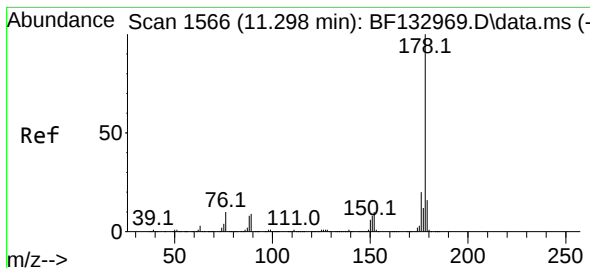
Tgt Ion:166 Resp: 55247  
Ion Ratio Lower Upper  
166 100  
165 97.0 78.6 117.8  
167 14.4 11.0 16.4



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.251 min Scan# 1558  
Delta R.T. -0.006 min  
Lab File: BF133081.D  
Acq: 26 Apr 2023 23:34

Tgt Ion:188 Resp: 599857  
Ion Ratio Lower Upper  
188 100  
94 10.8 9.7 14.5  
80 11.1 10.4 15.6





#71

Phenanthrene

Concen: 8.066 ng

RT: 11.275 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133081.D

Acq: 26 Apr 2023 23:34

Instrument :

BNA\_F

ClientSampleId :

20230347-COMP-25

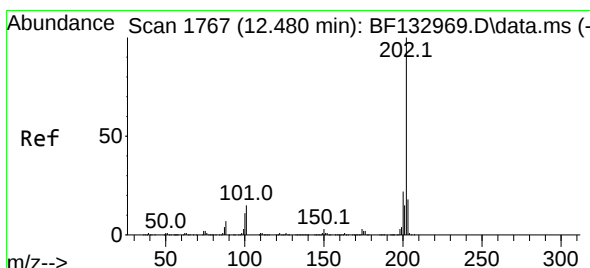
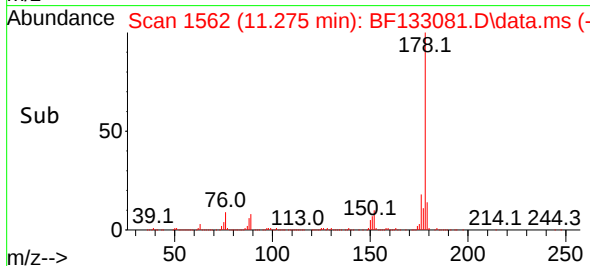
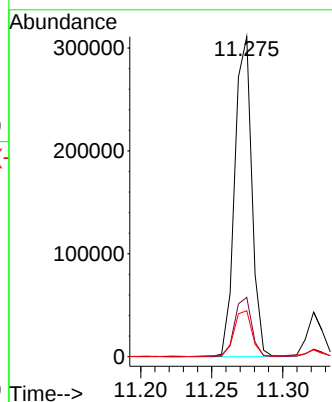
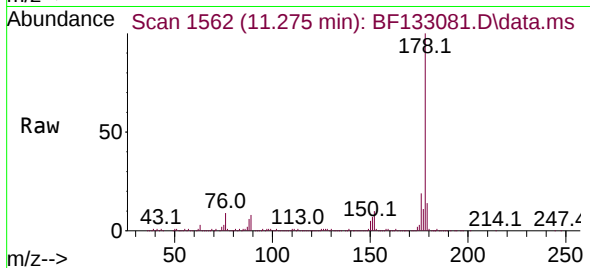
Tgt Ion:178 Resp: 260041

Ion Ratio Lower Upper

178 100

176 18.5 15.9 23.9

179 14.4 12.5 18.7



#75

Fluoranthene

Concen: 4.925 ng

RT: 12.457 min Scan# 1763

Delta R.T. -0.006 min

Lab File: BF133081.D

Acq: 26 Apr 2023 23:34

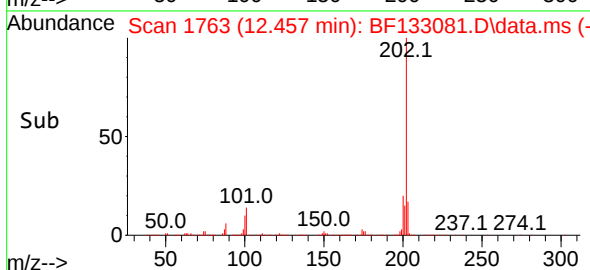
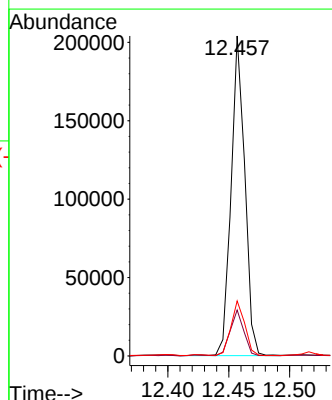
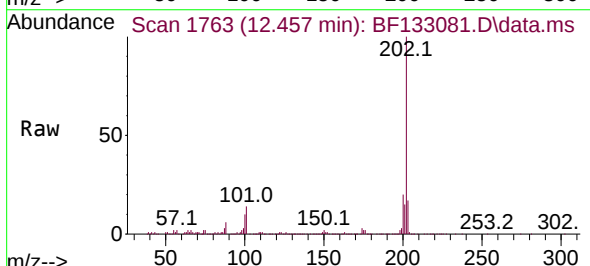
Tgt Ion:202 Resp: 159344

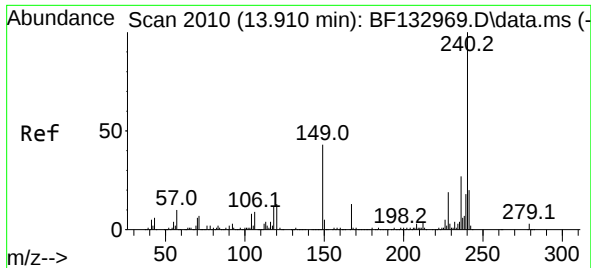
Ion Ratio Lower Upper

202 100

101 14.3 0.0 35.3

203 17.2 0.0 38.1

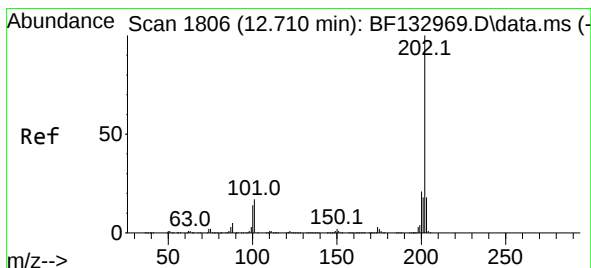
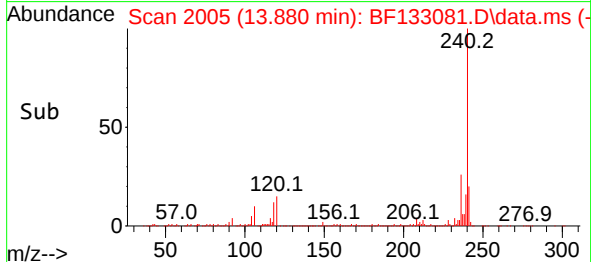
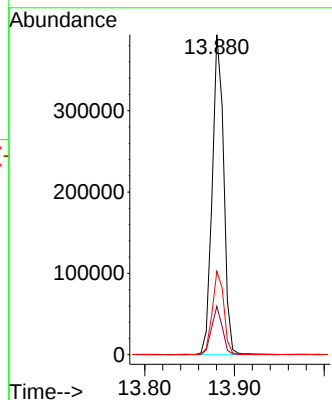
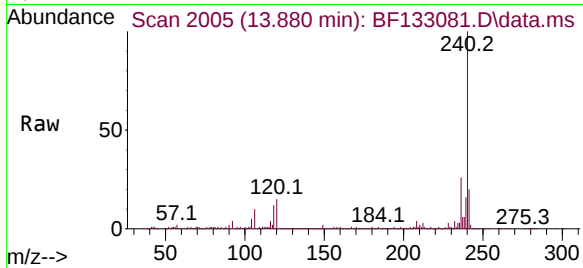




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.880 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: BF133081.D  
Acq: 26 Apr 2023 23:34

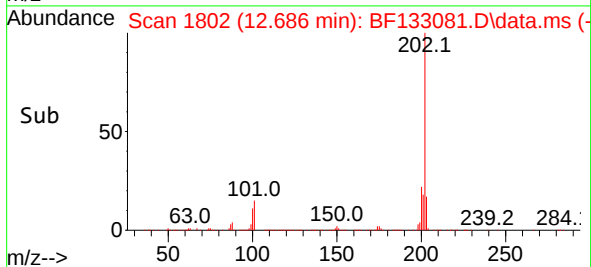
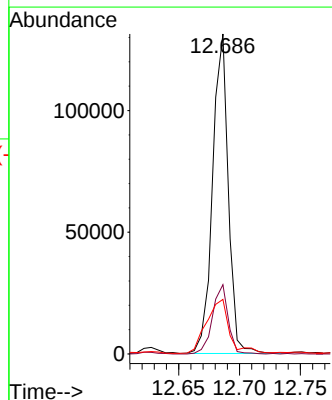
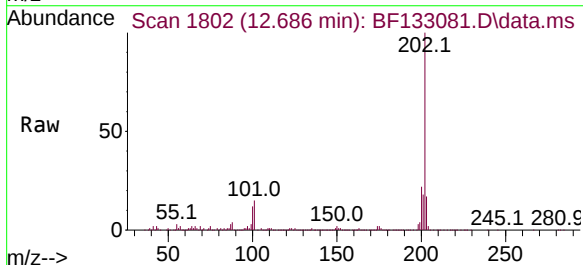
Instrument :  
BNA\_F  
ClientSampleId :  
20230347-COMP-25

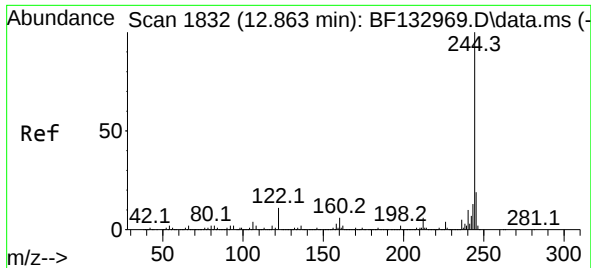
Tgt Ion:240 Resp: 349817  
Ion Ratio Lower Upper  
240 100  
120 15.1 10.5 15.7  
236 26.1 21.5 32.3



#78  
Pyrene  
Concen: 3.920 ng  
RT: 12.686 min Scan# 1802  
Delta R.T. -0.006 min  
Lab File: BF133081.D  
Acq: 26 Apr 2023 23:34

Tgt Ion:202 Resp: 117562  
Ion Ratio Lower Upper  
202 100  
200 21.7 17.1 25.7  
203 17.1 14.1 21.1

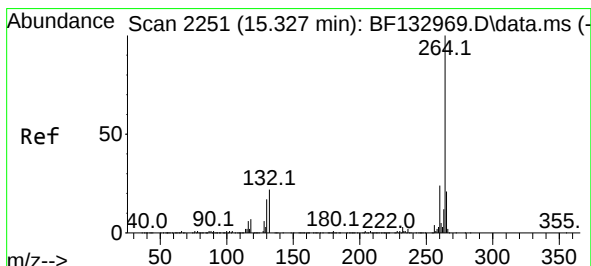
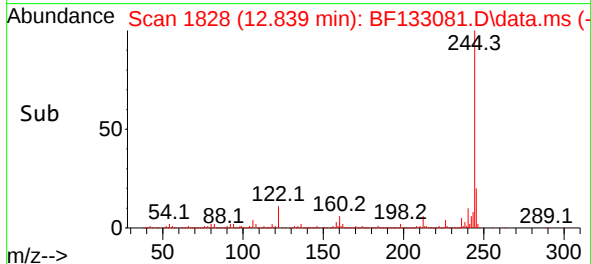
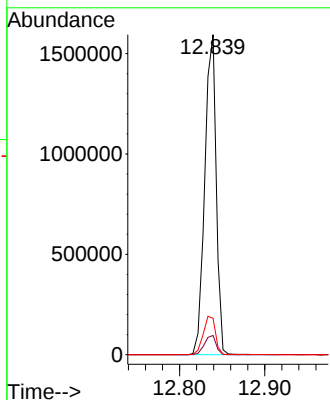
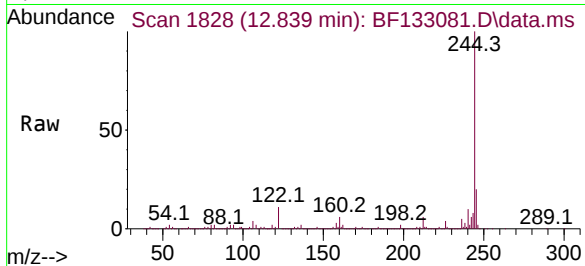




#79  
 Terphenyl-d14  
 Concen: 73.150 ng  
 RT: 12.839 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF133081.D  
 Acq: 26 Apr 2023 23:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20230347-COMP-25

Tgt Ion:244 Resp: 1483719  
 Ion Ratio Lower Upper  
 244 100  
 212 6.0 5.1 7.7  
 122 11.4 8.6 13.0



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.304 min Scan# 2247  
 Delta R.T. 0.000 min  
 Lab File: BF133081.D  
 Acq: 26 Apr 2023 23:34

Tgt Ion:264 Resp: 364970  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 18.8 28.2  
 265 21.7 17.0 25.4

