

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050422\  
 Data File : BF128080.D  
 Acq On : 04 May 2022 19:18  
 Operator : CG\JU  
 Sample : N2659-03RE  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 22L097-CRE

Quant Time: May 05 06:06:56 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 04 04:23:29 2022  
 Response via : Initial Calibration

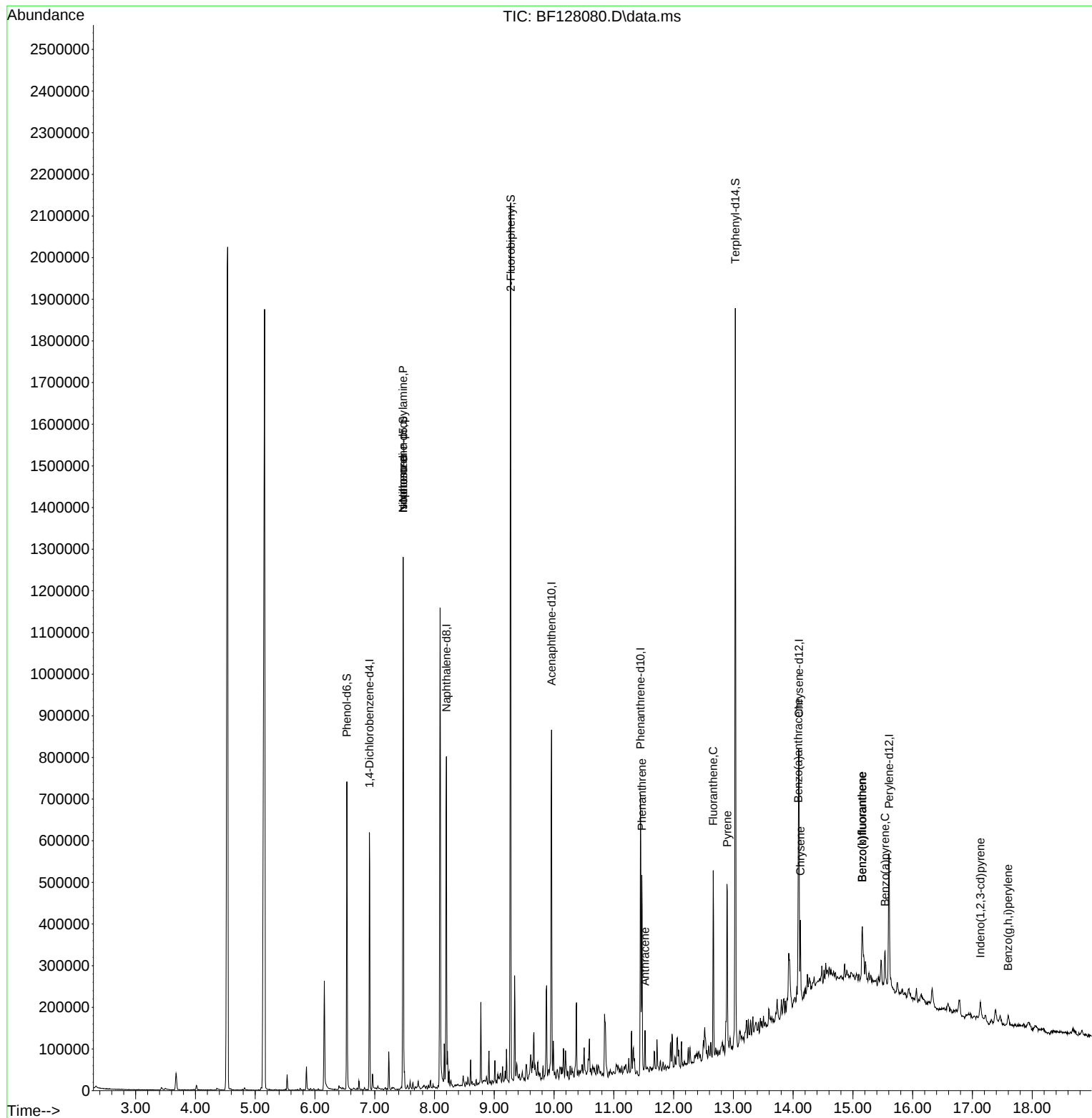
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.910  | 152  | 82632    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.198  | 136  | 320838   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.957  | 164  | 164568   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.445 | 188  | 242612   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12              | 14.098 | 240  | 194641   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.604 | 264  | 141934   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.534  | 112  | 8977     | 1.730  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.534  | 99   | 210810   | 31.316 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.475  | 82   | 393615   | 57.691 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.751 | 330  | 397      | 0.240  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.275  | 172  | 648152   | 66.629 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.033 | 244  | 553746   | 52.022 | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.475  | 70   | 56328    | 13.669 | ng    | # 80     |
| 25) Isophorone                | 7.475  | 82   | 393610   | 34.277 | ng    | # 68     |
| 71) Phenanthrene              | 11.469 | 178  | 160909   | 12.670 | ng    | 100      |
| 72) Anthracene                | 11.522 | 178  | 33649    | 2.660  | ng    | 99       |
| 75) Fluoranthene              | 12.663 | 202  | 166082   | 12.426 | ng    | 97       |
| 78) Pyrene                    | 12.898 | 202  | 157161   | 10.002 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.086 | 228  | 76506    | 5.897  | ng    | 98       |
| 83) Chrysene                  | 14.121 | 228  | 73368    | 5.922  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.133 | 276  | 21520    | 2.272  | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.157 | 252  | 84133    | 9.438  | ng    | # 93     |
| 89) Benzo(k)fluoranthene      | 15.157 | 252  | 84133    | 9.367  | ng    | # 91     |
| 90) Benzo(a)pyrene            | 15.539 | 252  | 41894    | 5.665  | ng    | # 93     |
| 92) Benzo(g,h,i)perylene      | 17.598 | 276  | 20959    | 2.618  | ng    | 95       |
| -----                         |        |      |          |        |       |          |

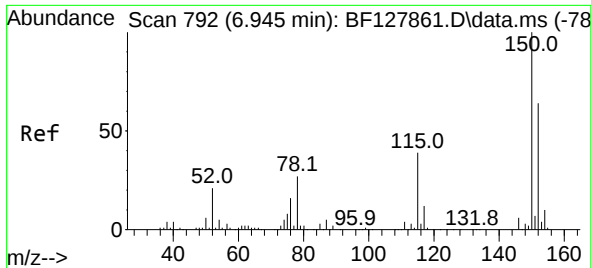
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF128080.D  
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Quant Time: May 05 06:06:56 2022  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 04 04:23:29 2022  
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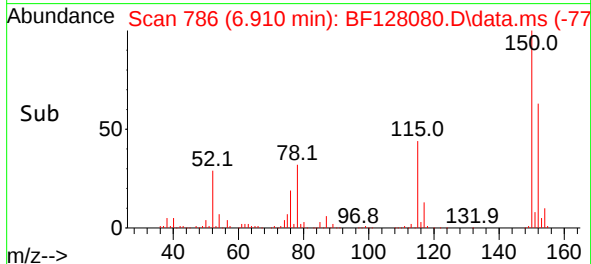
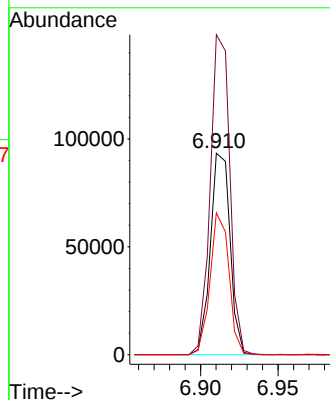
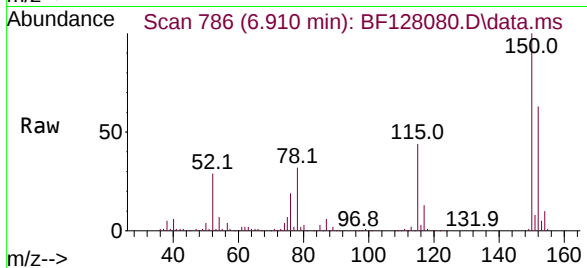




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.910 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF128080.D  
Acq: 04 May 2022 19:18

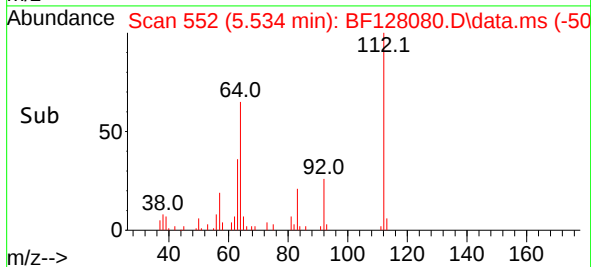
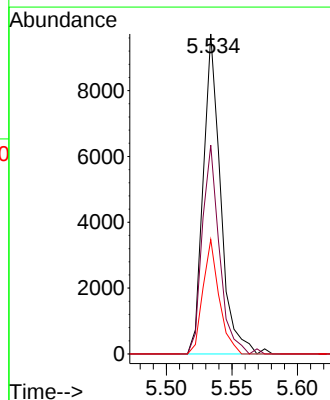
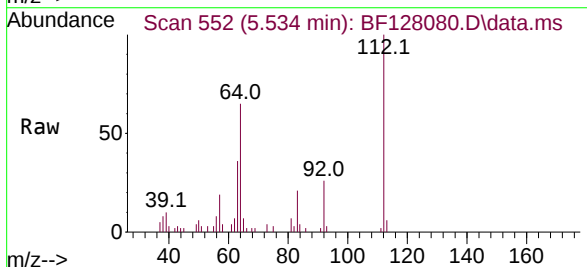
Instrument :  
BNA\_F  
ClientSampleId :  
22L097-CRE

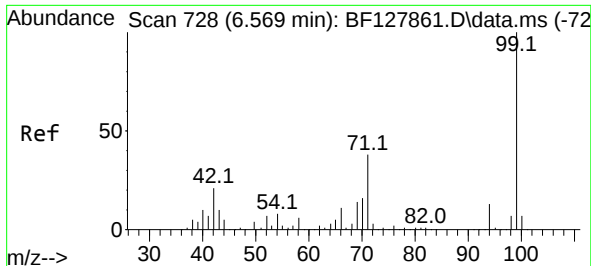
Tgt Ion:152 Resp: 82632  
Ion Ratio Lower Upper  
152 100  
150 158.9 125.3 187.9  
115 70.5 48.8 73.2



#5  
2-Fluorophenol  
Concen: 1.730 ng  
RT: 5.534 min Scan# 552  
Delta R.T. -0.006 min  
Lab File: BF128080.D  
Acq: 04 May 2022 19:18

Tgt Ion:112 Resp: 8977  
Ion Ratio Lower Upper  
112 100  
64 65.2 49.5 74.3  
63 35.7 26.3 39.5

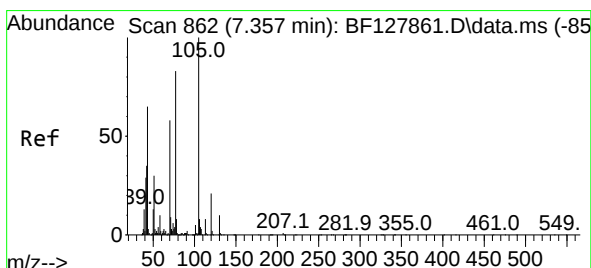
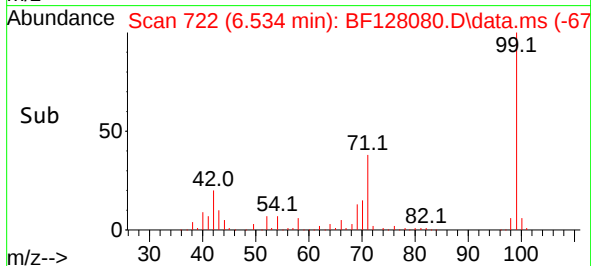
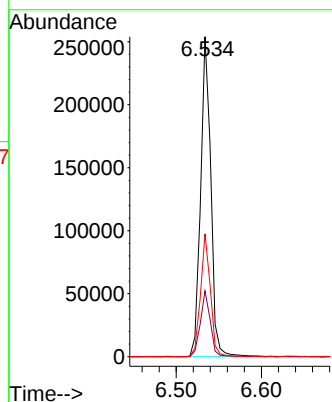
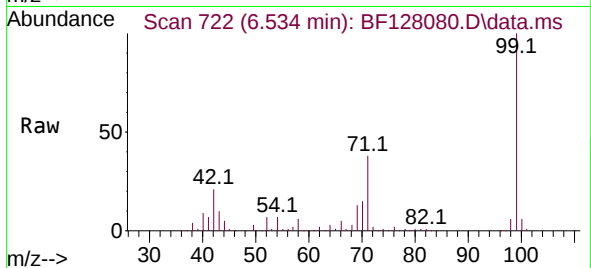




#7  
Phenol-d6  
Concen: 31.316 ng  
RT: 6.534 min Scan# 71  
Delta R.T. -0.018 min  
Lab File: BF128080.D  
Acq: 04 May 2022 19:18

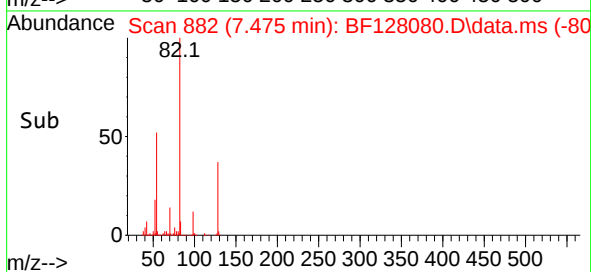
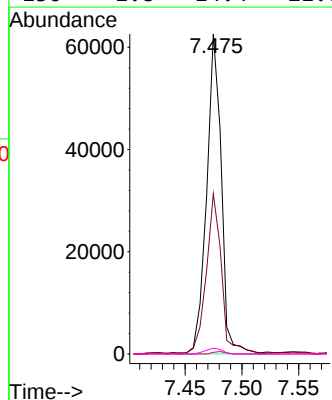
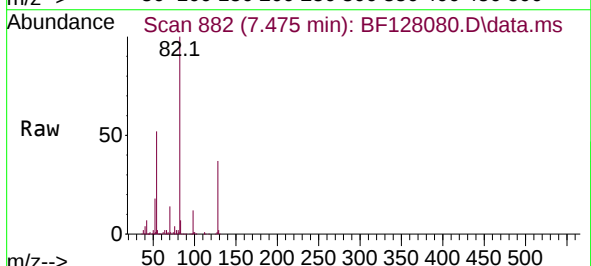
Instrument :  
BNA\_F  
ClientSampleId :  
22L097-CRE

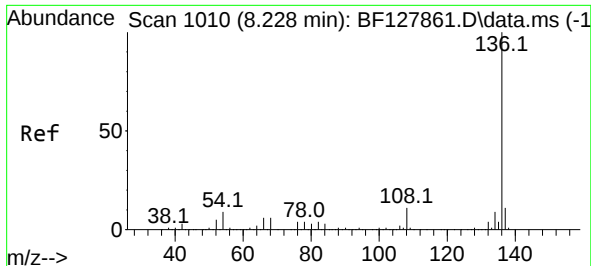
Tgt Ion: 99 Resp: 210810  
Ion Ratio Lower Upper  
99 100  
42 20.6 16.6 24.8  
71 38.4 30.0 45.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 13.669 ng  
RT: 7.475 min Scan# 882  
Delta R.T. 0.141 min  
Lab File: BF128080.D  
Acq: 04 May 2022 19:18

Tgt Ion: 70 Resp: 56328  
Ion Ratio Lower Upper  
70 100  
42 50.1 48.7 73.1  
101 0.5 7.2 10.8#  
130 1.8 14.4 21.6#

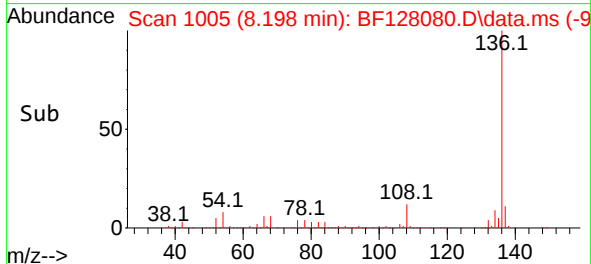
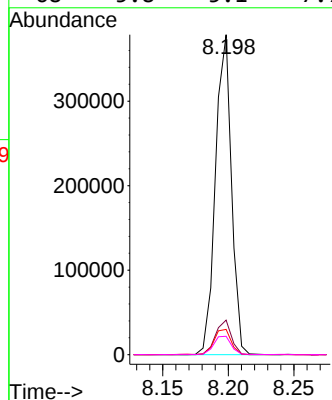
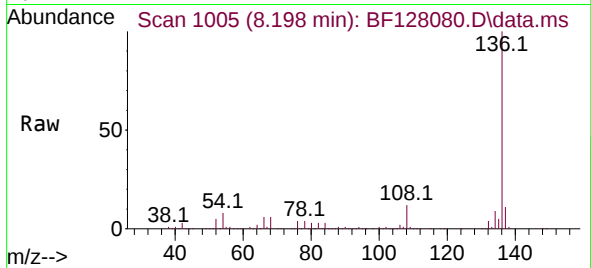




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.198 min Scan# 1005  
Delta R.T. -0.006 min  
Lab File: BF128080.D  
Acq: 04 May 2022 19:18

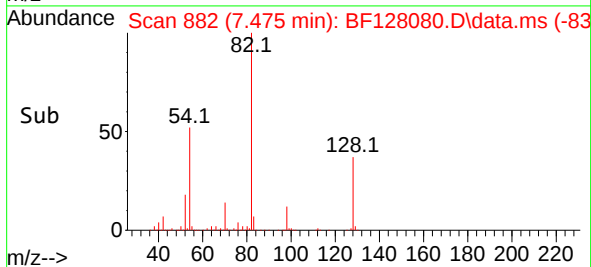
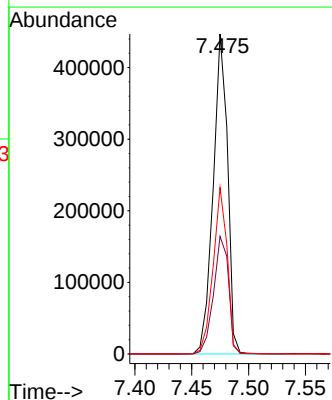
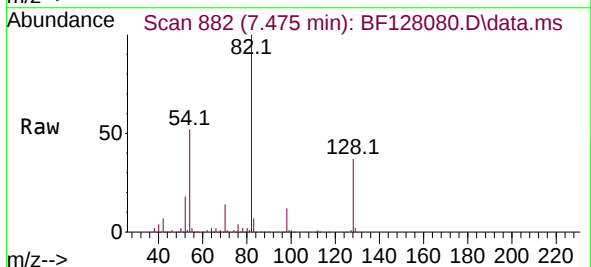
Instrument :  
BNA\_F  
ClientSampleId :  
22L097-CRE

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 320838 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.6   | 13.0   |
| 54       | 7.9   | 6.8   | 10.2   |
| 68       | 5.8   | 5.1   | 7.7    |



#23  
Nitrobenzene-d5  
Concen: 57.691 ng  
RT: 7.475 min Scan# 882  
Delta R.T. -0.012 min  
Lab File: BF128080.D  
Acq: 04 May 2022 19:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 393615 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 36.7  | 30.0  | 45.0   |
| 54       | 52.0  | 41.3  | 61.9   |

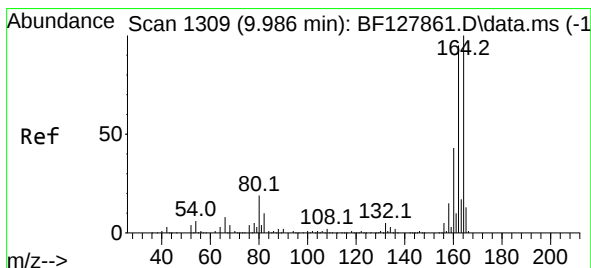
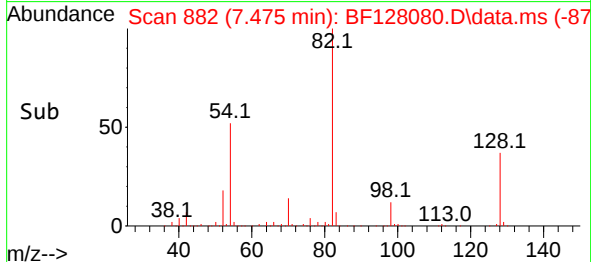
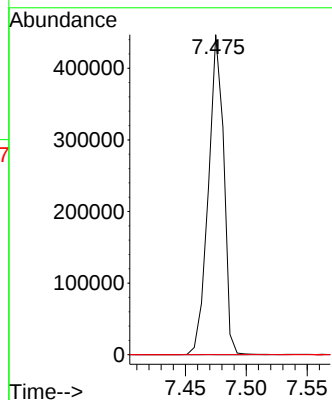
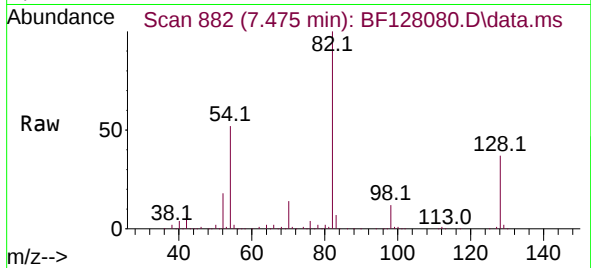




#25  
Isophorone  
Concen: 34.277 ng  
RT: 7.475 min Scan# 81  
Delta R.T. -0.265 min  
Lab File: BF128080.D  
Acq: 04 May 2022 19:18

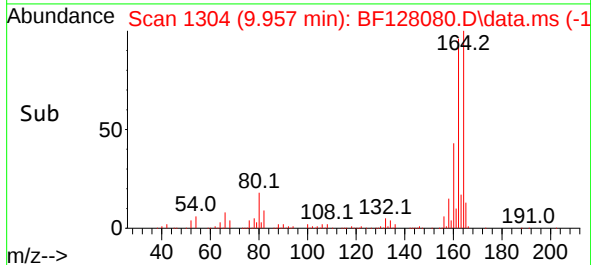
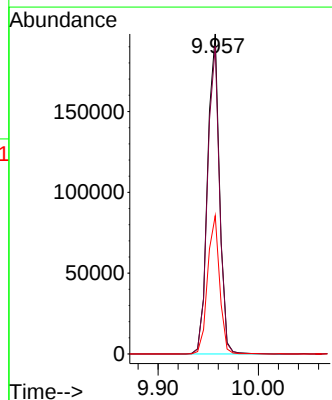
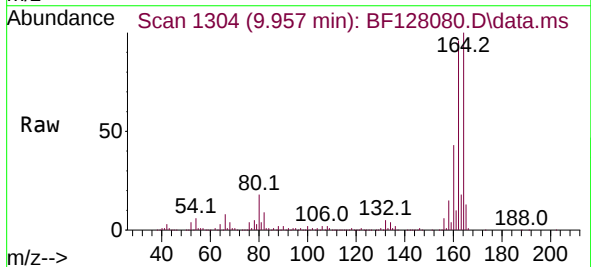
Instrument :  
BNA\_F  
ClientSampleId :  
22L097-CRE

Tgt Ion: 82 Resp: 393610  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 12.5 18.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.957 min Scan# 1304  
Delta R.T. -0.006 min  
Lab File: BF128080.D  
Acq: 04 May 2022 19:18

Tgt Ion:164 Resp: 164568  
Ion Ratio Lower Upper  
164 100  
162 96.1 76.0 114.0  
160 43.2 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 0.240 ng

RT: 10.751 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF128080.D

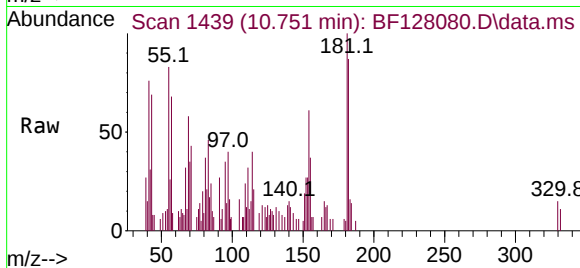
Acq: 04 May 2022 19:18

Instrument :

BNA\_F

ClientSampleId :

22L097-CRE



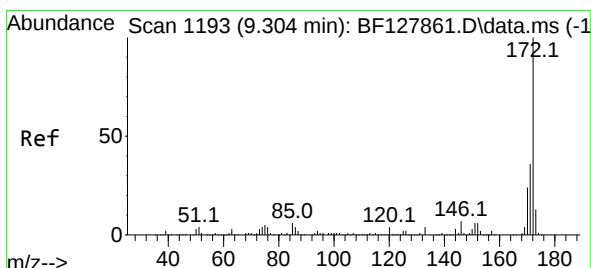
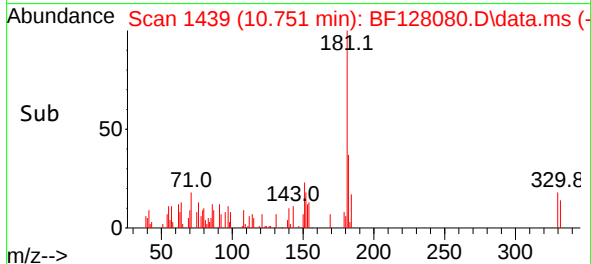
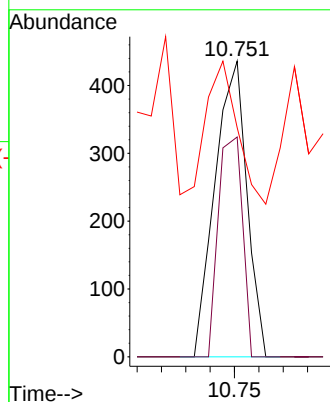
Tgt Ion:330 Resp: 397

Ion Ratio Lower Upper

330 100

332 56.2 79.0 118.4#

141 65.7 28.9 43.3#



#45

2-Fluorobiphenyl

Concen: 66.629 ng

RT: 9.275 min Scan# 1188

Delta R.T. -0.006 min

Lab File: BF128080.D

Acq: 04 May 2022 19:18

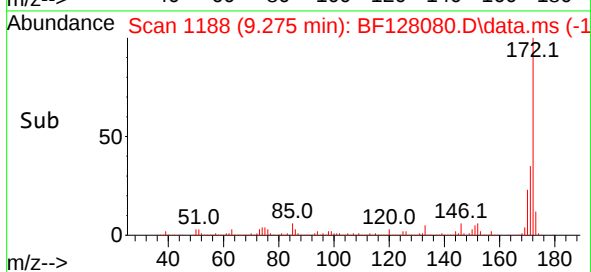
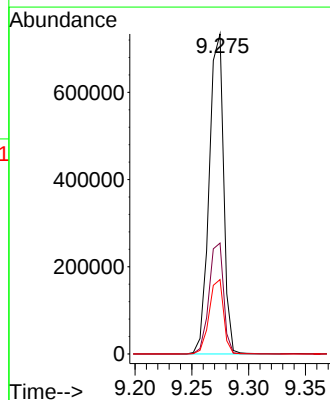
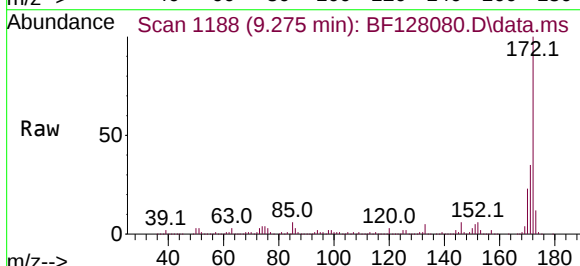
Tgt Ion:172 Resp: 648152

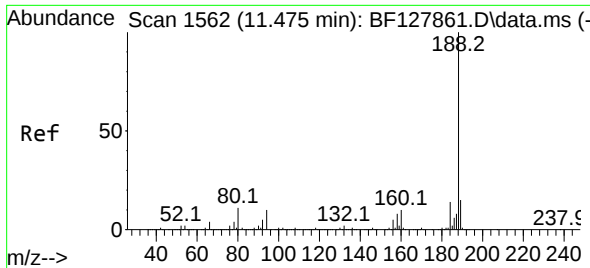
Ion Ratio Lower Upper

172 100

171 34.6 28.6 42.8

170 23.2 19.1 28.7

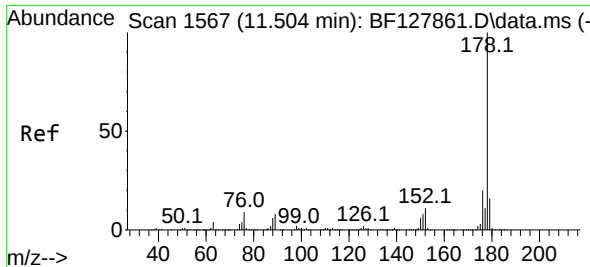
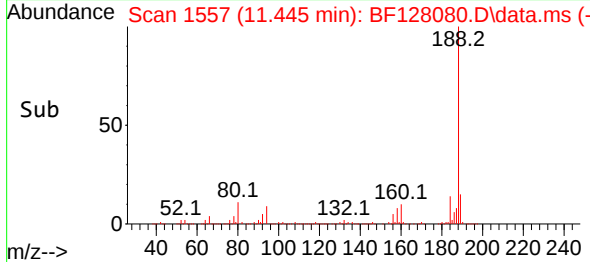
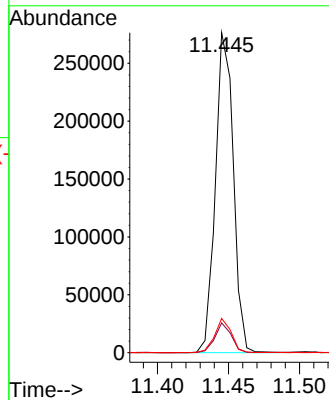
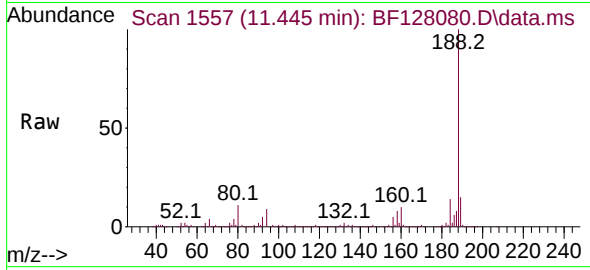




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.445 min Scan# 1557  
Delta R.T. -0.012 min  
Lab File: BF128080.D  
Acq: 04 May 2022 19:18

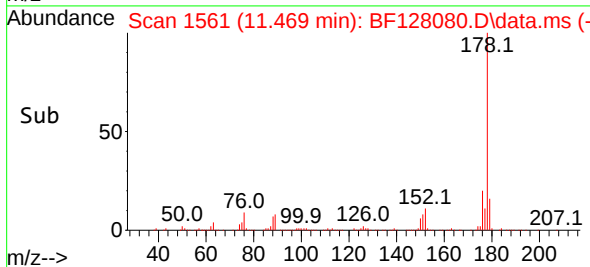
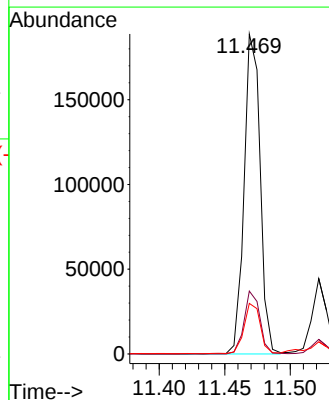
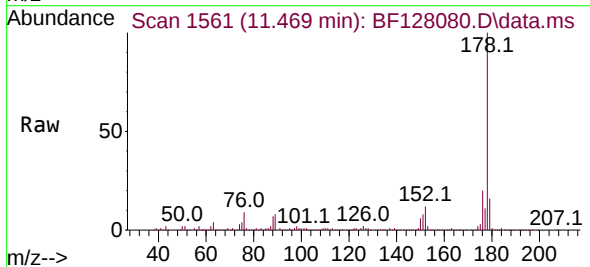
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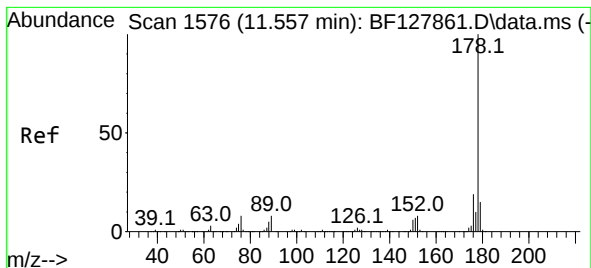
Tgt Ion:188 Resp: 242612  
Ion Ratio Lower Upper  
188 100  
94 9.3 8.0 12.0  
80 10.7 8.9 13.3



#71  
Phenanthrene  
Concen: 12.670 ng  
RT: 11.469 min Scan# 1561  
Delta R.T. -0.012 min  
Lab File: BF128080.D  
Acq: 04 May 2022 19:18

Tgt Ion:178 Resp: 160909  
Ion Ratio Lower Upper  
178 100  
176 19.7 15.7 23.5  
179 15.8 12.6 19.0





#72

Anthracene

Concen: 2.660 ng

RT: 11.522 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF128080.D

Acq: 04 May 2022 19:18

Instrument :

BNA\_F

ClientSampleId :

22L097-CRE

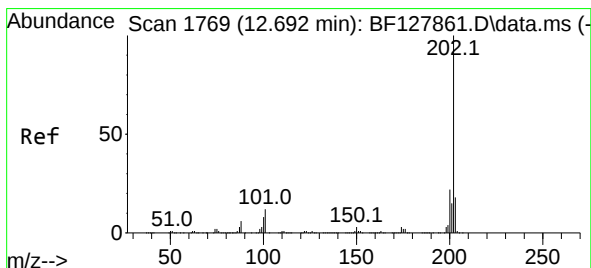
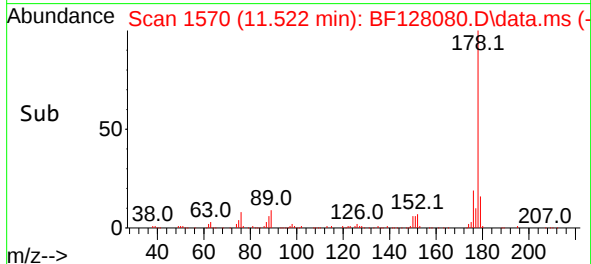
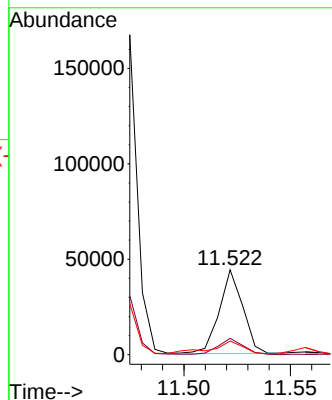
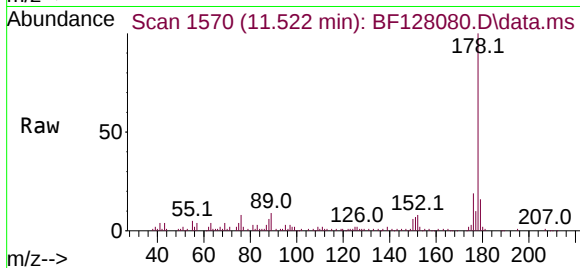
Tgt Ion:178 Resp: 33649

Ion Ratio Lower Upper

178 100

176 19.3 15.0 22.6

179 16.1 12.4 18.6



#75

Fluoranthene

Concen: 12.426 ng

RT: 12.663 min Scan# 1764

Delta R.T. -0.012 min

Lab File: BF128080.D

Acq: 04 May 2022 19:18

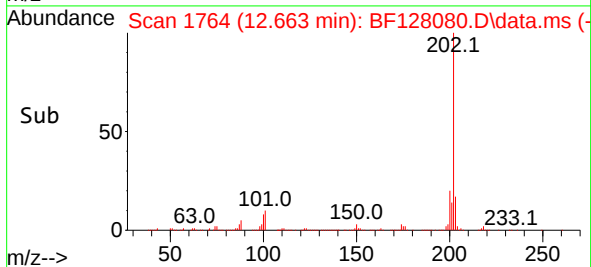
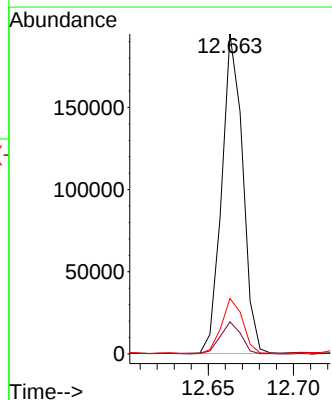
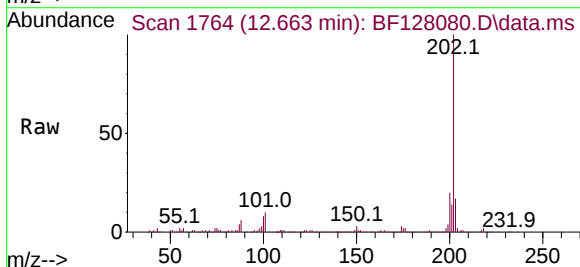
Tgt Ion:202 Resp: 166082

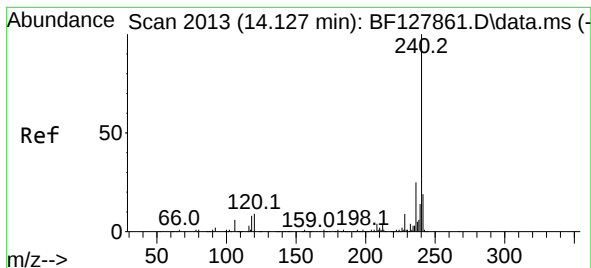
Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.6

203 17.3 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.098 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF128080.D

Acq: 04 May 2022 19:18

Instrument :

BNA\_F

ClientSampleId :

22L097-CRE

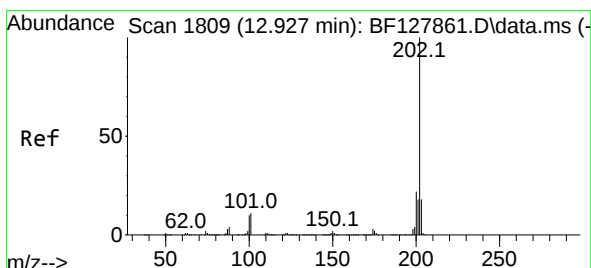
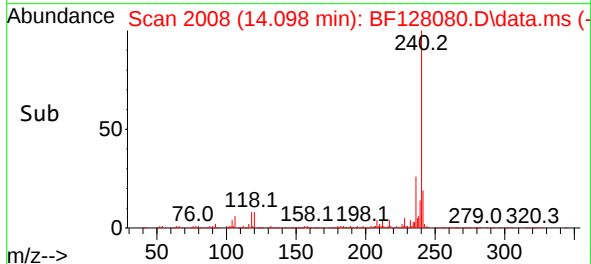
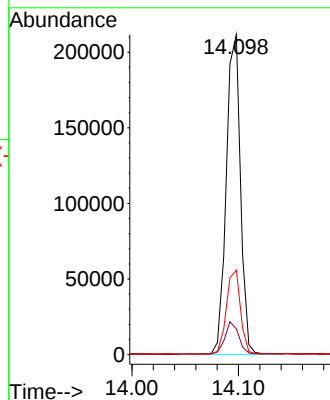
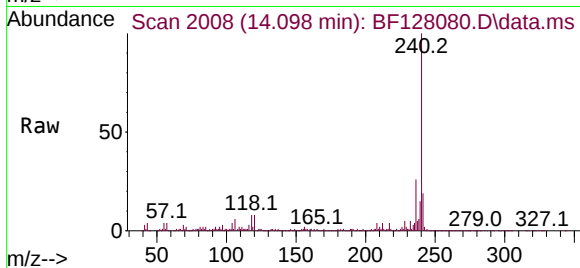
Tgt Ion:240 Resp: 194641

Ion Ratio Lower Upper

240 100

120 8.1 7.0 10.6

236 26.5 20.3 30.5



#78

Pyrene

Concen: 10.002 ng

RT: 12.898 min Scan# 1804

Delta R.T. -0.006 min

Lab File: BF128080.D

Acq: 04 May 2022 19:18

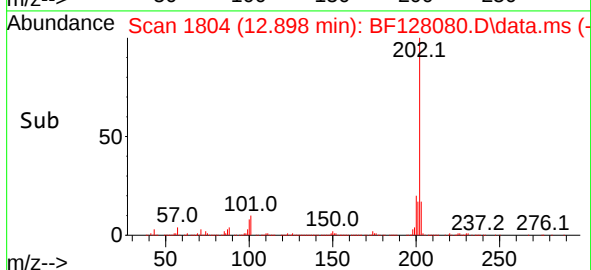
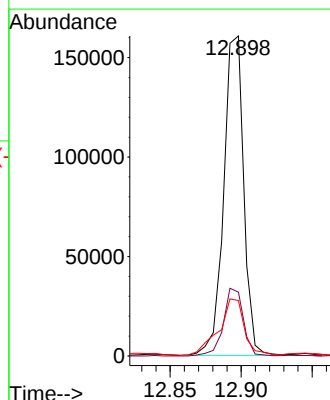
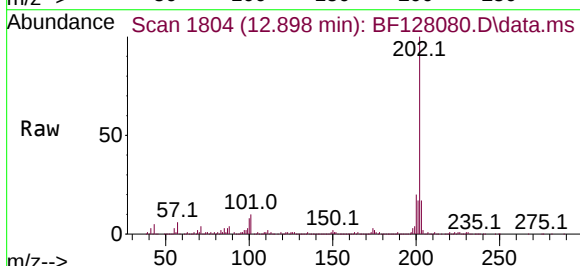
Tgt Ion:202 Resp: 157161

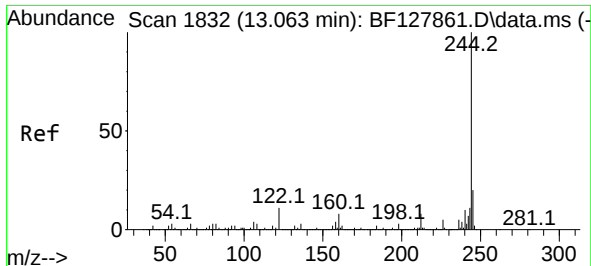
Ion Ratio Lower Upper

202 100

200 20.0 17.4 26.2

203 17.3 14.0 21.0

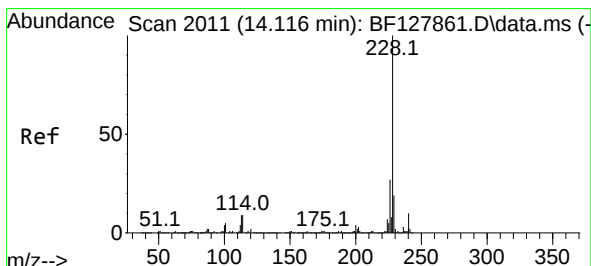
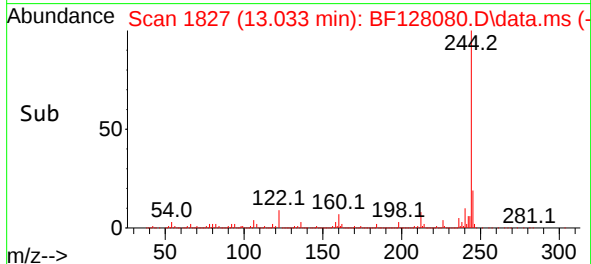
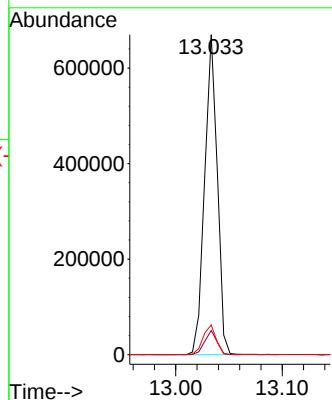
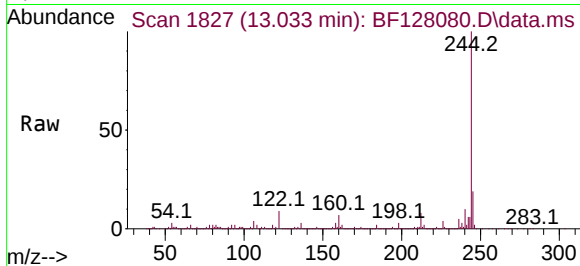




#79  
 Terphenyl-d14  
 Concen: 52.022 ng  
 RT: 13.033 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: BF128080.D  
 Acq: 04 May 2022 19:18

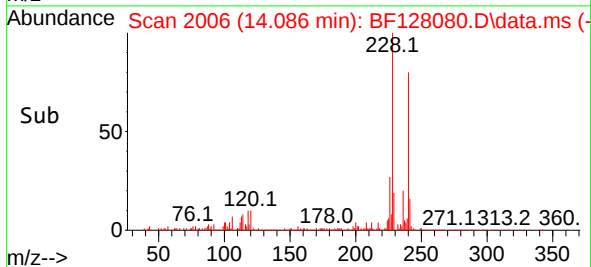
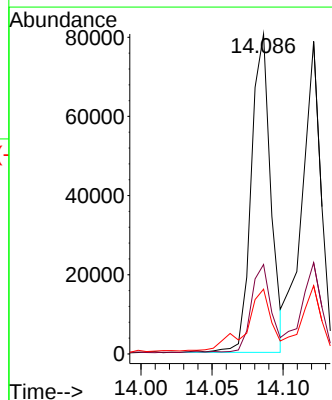
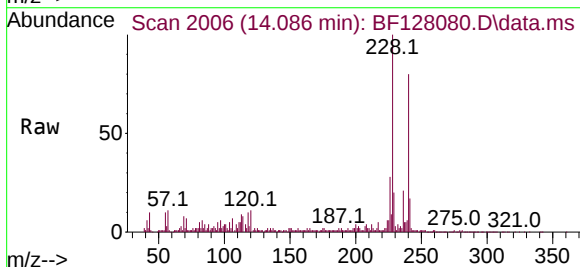
Instrument :  
 BNA\_F  
 ClientSampleId :  
 22L097-CRE

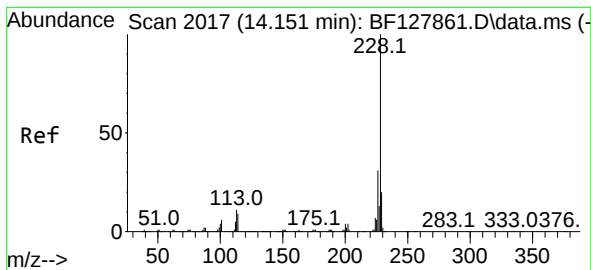
Tgt Ion:244 Resp: 553746  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.2 9.4  
 122 9.3 8.6 12.8



#81  
 Benzo(a)anthracene  
 Concen: 5.897 ng  
 RT: 14.086 min Scan# 2006  
 Delta R.T. -0.006 min  
 Lab File: BF128080.D  
 Acq: 04 May 2022 19:18

Tgt Ion:228 Resp: 76506  
 Ion Ratio Lower Upper  
 228 100  
 226 28.0 21.7 32.5  
 229 20.3 15.4 23.2





#83

Chrysene

Concen: 5.922 ng

RT: 14.121 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF128080.D

Acq: 04 May 2022 19:18

Instrument :

BNA\_F

ClientSampleId :

22L097-CRE

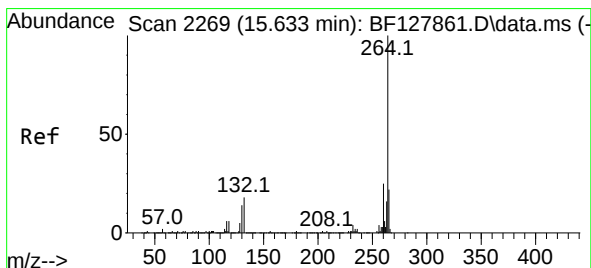
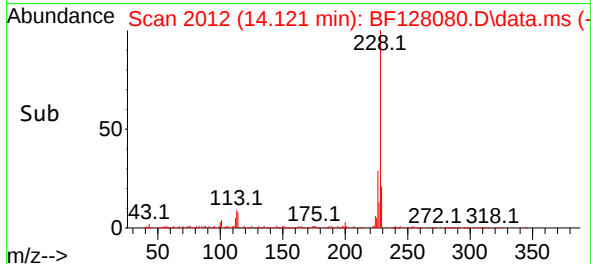
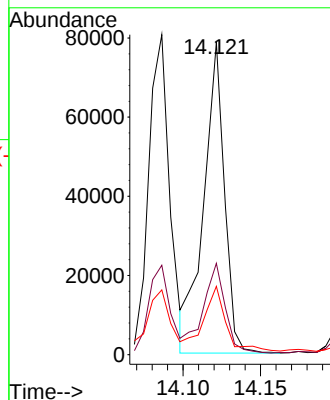
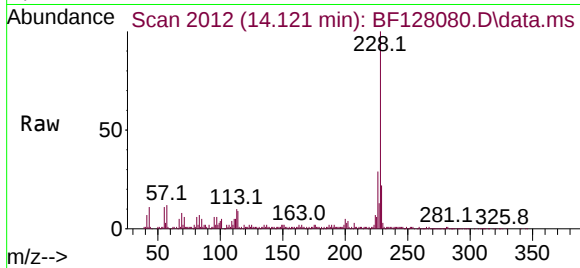
Tgt Ion:228 Resp: 73368

Ion Ratio Lower Upper

228 100

226 29.3 24.4 36.6

229 21.8 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.604 min Scan# 2264

Delta R.T. -0.006 min

Lab File: BF128080.D

Acq: 04 May 2022 19:18

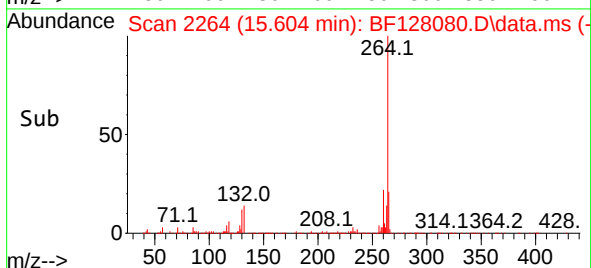
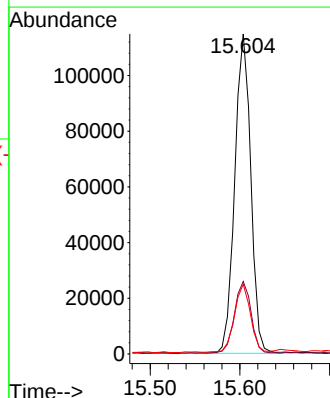
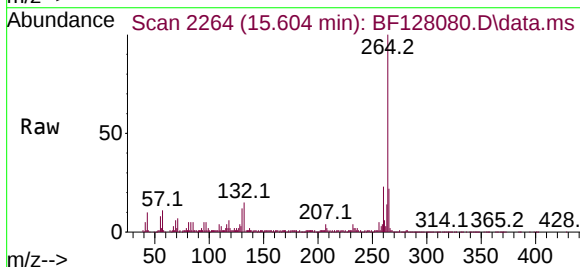
Tgt Ion:264 Resp: 141934

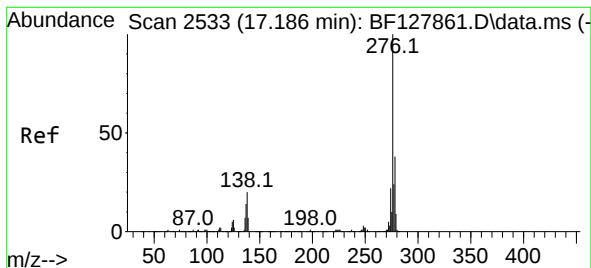
Ion Ratio Lower Upper

264 100

260 22.6 20.1 30.1

265 21.8 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.272 ng

RT: 17.133 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF128080.D

Acq: 04 May 2022 19:18

Instrument :

BNA\_F

ClientSampleId :

22L097-CRE

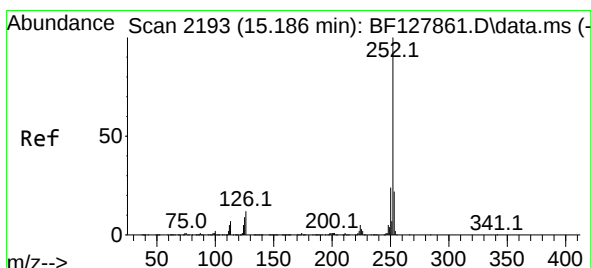
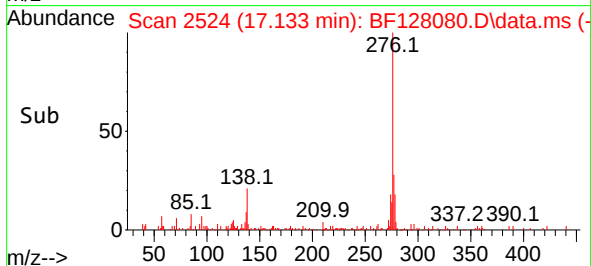
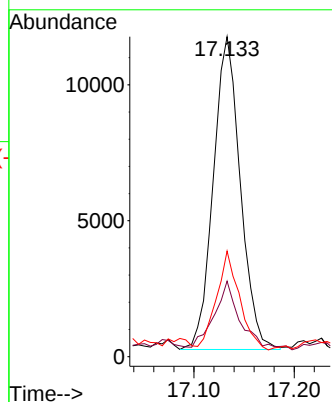
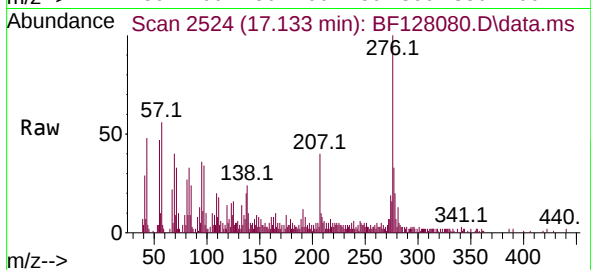
Tgt Ion:276 Resp: 21520

Ion Ratio Lower Upper

276 100

138 21.8 19.0 28.4

277 27.1 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 9.438 ng

RT: 15.157 min Scan# 2188

Delta R.T. -0.012 min

Lab File: BF128080.D

Acq: 04 May 2022 19:18

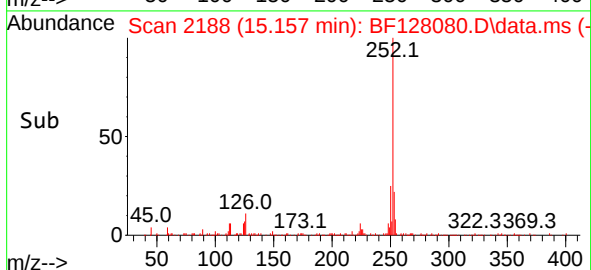
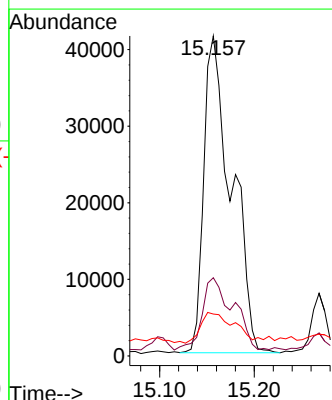
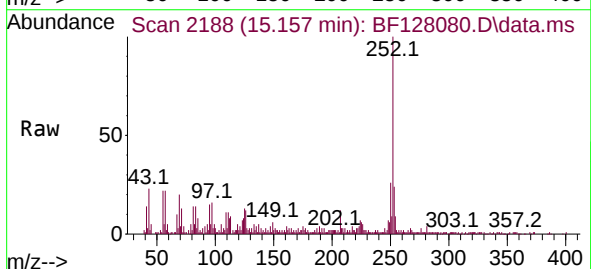
Tgt Ion:252 Resp: 84133

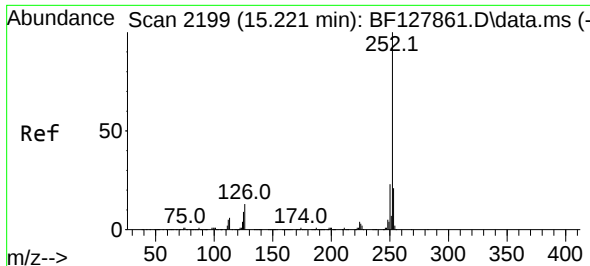
Ion Ratio Lower Upper

252 100

253 24.5 17.4 26.2

125 13.1 7.4 11.2#

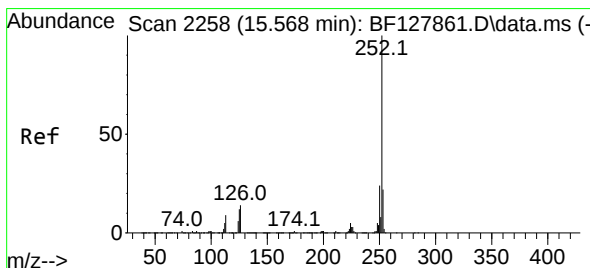
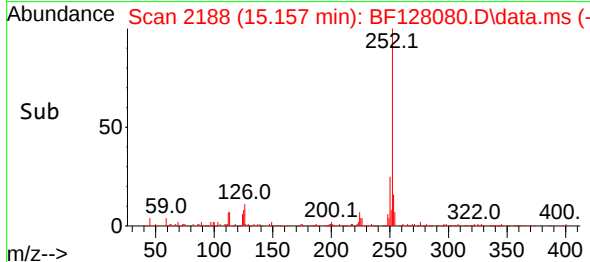
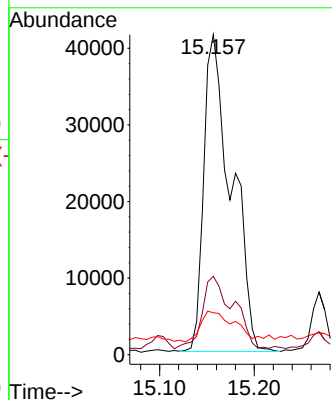
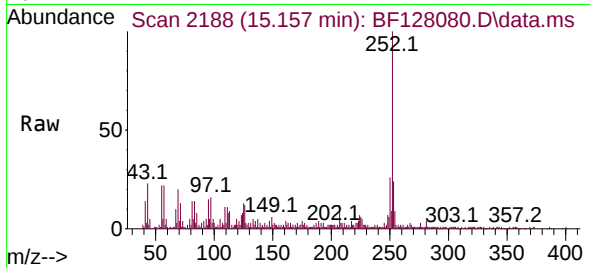




#89  
Benzo(k)fluoranthene  
Concen: 9.367 ng  
RT: 15.157 min Scan# 2199  
Delta R.T. -0.041 min  
Lab File: BF128080.D  
Acq: 04 May 2022 19:18

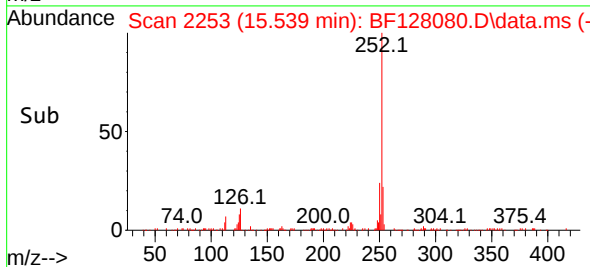
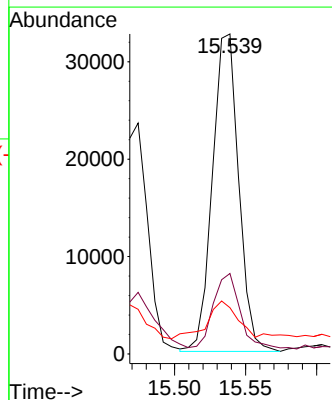
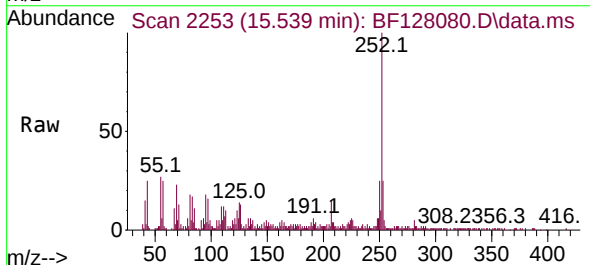
Instrument :  
BNA\_F  
ClientSampleId :  
22L097-CRE

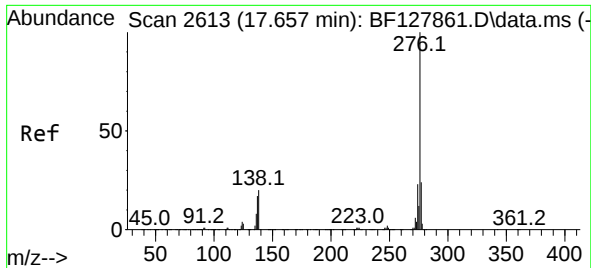
Tgt Ion:252 Resp: 84133  
Ion Ratio Lower Upper  
252 100  
253 24.5 17.0 25.4  
125 13.1 6.8 10.2#



#90  
Benzo(a)pyrene  
Concen: 5.665 ng  
RT: 15.539 min Scan# 2253  
Delta R.T. -0.012 min  
Lab File: BF128080.D  
Acq: 04 May 2022 19:18

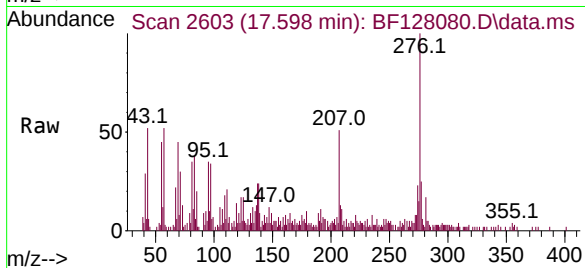
Tgt Ion:252 Resp: 41894  
Ion Ratio Lower Upper  
252 100  
253 25.2 17.8 26.6  
125 14.4 9.2 13.8#





#92  
 Benzo(g,h,i)perylene  
 Concen: 2.618 ng  
 RT: 17.598 min Scan# 20  
 Delta R.T. -0.035 min  
 Lab File: BF128080.D  
 Acq: 04 May 2022 19:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 22L097-CRE



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 20959 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 24.7  | 18.8  | 28.2  |
| 138       | 23.9  | 16.2  | 24.2  |

