

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080322\  
 Data File : BF129554.D  
 Acq On : 03 Aug 2022 22:44  
 Operator : CG\JU  
 Sample : N3930-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RVE-99

Quant Time: Aug 04 02:21:10 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 02 01:11:25 2022  
 Response via : Initial Calibration

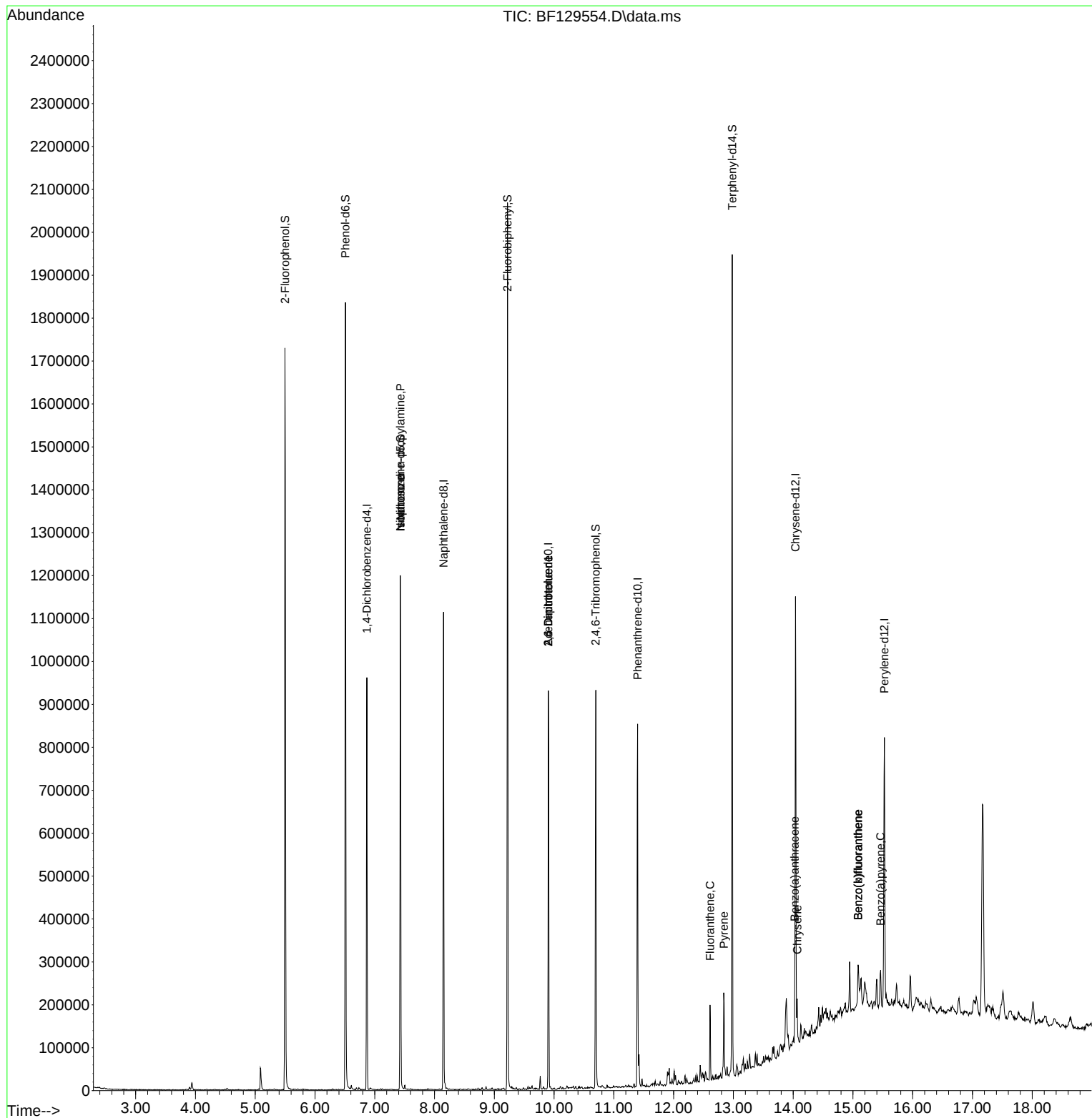
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 128600   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 447515   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.904  | 164  | 184837   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.398 | 188  | 292210   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.039 | 240  | 319864   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12              | 15.527 | 264  | 274253   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 460124   | 58.285 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 541271   | 54.548 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.428  | 82   | 357762   | 43.640 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.698 | 330  | 97917    | 55.100 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.222  | 172  | 569243   | 47.641 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.980 | 244  | 591276   | 34.874 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.428  | 70   | 46601    | 7.758  | ng    | # 75     |
| 25) Isophorone                | 7.428  | 82   | 357757   | 24.346 | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.904  | 165  | 24258    | 8.494  | ng    | # 25     |
| 57) 2,4-Dinitrotoluene        | 9.904  | 165  | 24258    | 6.502  | ng    | # 21     |
| 75) Fluoranthene              | 12.610 | 202  | 63079    | 3.903  | ng    | 98       |
| 78) Pyrene                    | 12.839 | 202  | 76858    | 2.873  | ng    | 97       |
| 81) Benzo(a)anthracene        | 14.027 | 228  | 43725    | 2.001  | ng    | 94       |
| 83) Chrysene                  | 14.068 | 228  | 44238    | 2.148  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.086 | 252  | 68044    | 3.740  | ng    | # 90     |
| 89) Benzo(k)fluoranthene      | 15.086 | 252  | 68044    | 3.817  | ng    | # 90     |
| 90) Benzo(a)pyrene            | 15.463 | 252  | 35297    | 2.390  | ng    | # 94     |
| -----                         |        |      |          |        |       |          |

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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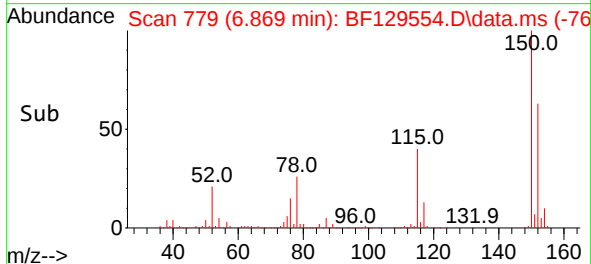
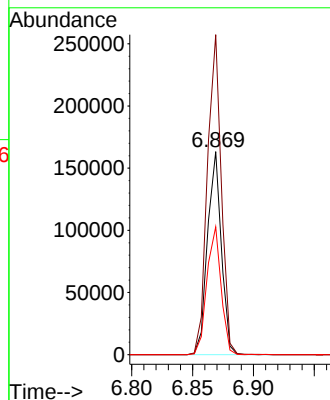
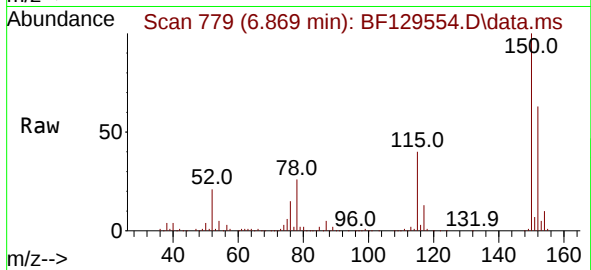




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.869 min Scan# 71  
 Delta R.T. -0.006 min  
 Lab File: BF129554.D  
 Acq: 03 Aug 2022 22:44

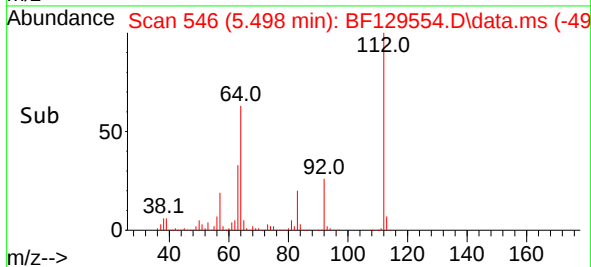
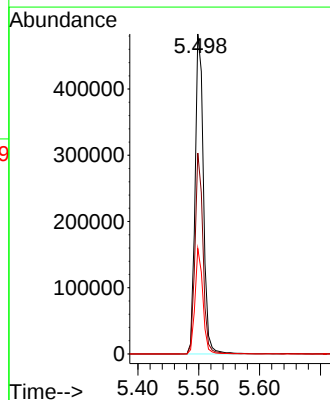
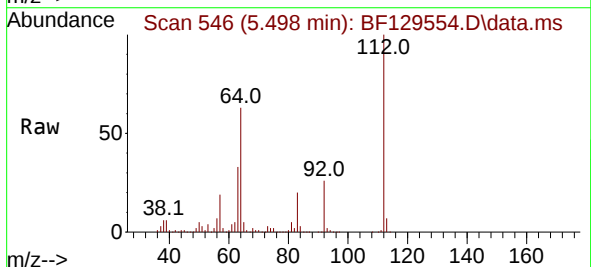
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RVE-99

Tgt Ion:152 Resp: 128600  
 Ion Ratio Lower Upper  
 152 100  
 150 157.6 123.7 185.5  
 115 63.0 49.9 74.9



#5  
 2-Fluorophenol  
 Concen: 58.285 ng  
 RT: 5.498 min Scan# 546  
 Delta R.T. -0.006 min  
 Lab File: BF129554.D  
 Acq: 03 Aug 2022 22:44

Tgt Ion:112 Resp: 460124  
 Ion Ratio Lower Upper  
 112 100  
 64 62.8 53.3 79.9  
 63 32.9 28.0 42.0

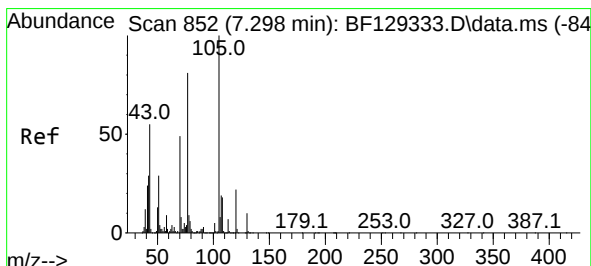
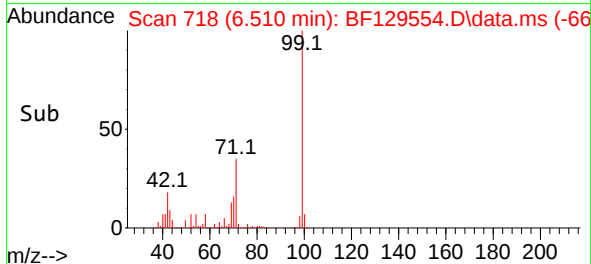
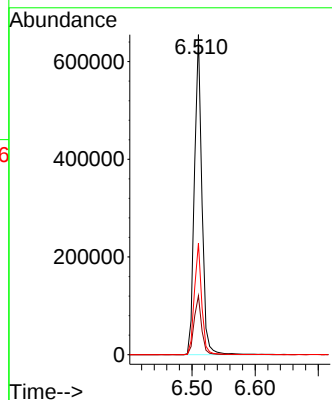
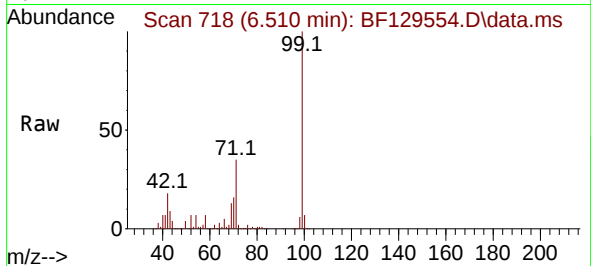




#7  
Phenol-d6  
Concen: 54.548 ng  
RT: 6.510 min Scan# 719  
Delta R.T. -0.012 min  
Lab File: BF129554.D  
Acq: 03 Aug 2022 22:44

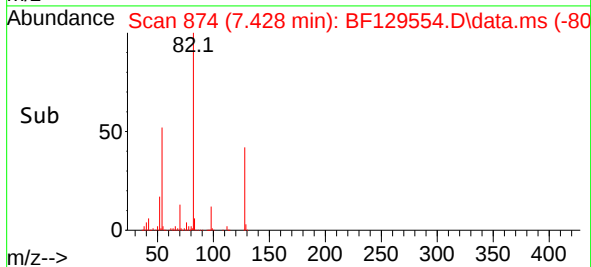
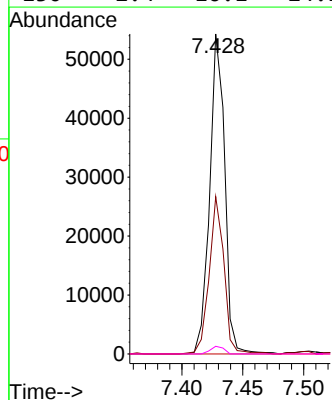
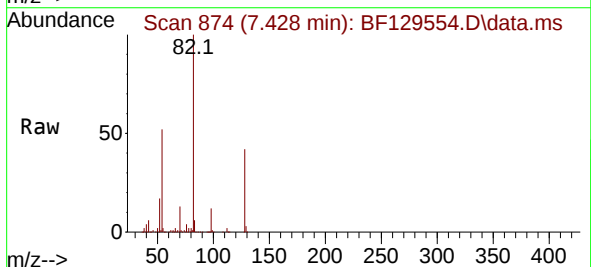
Instrument :  
BNA\_F  
ClientSampleId :  
RVE-99

Tgt Ion: 99 Resp: 541271  
Ion Ratio Lower Upper  
99 100  
42 18.4 17.3 25.9  
71 34.8 28.9 43.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 7.758 ng  
RT: 7.428 min Scan# 874  
Delta R.T. 0.135 min  
Lab File: BF129554.D  
Acq: 03 Aug 2022 22:44

Tgt Ion: 70 Resp: 46601  
Ion Ratio Lower Upper  
70 100  
42 49.2 52.3 78.5#  
101 0.0 7.5 11.3#  
130 2.4 16.1 24.1#



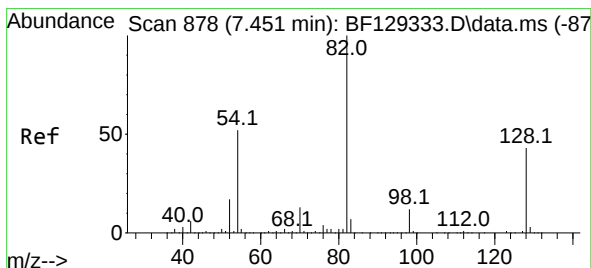
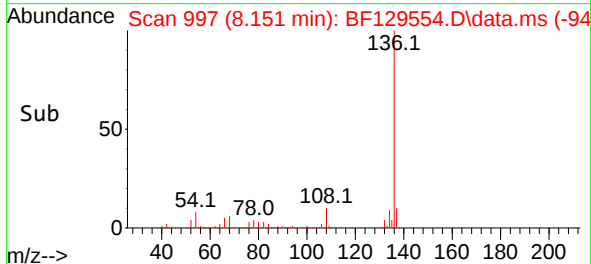
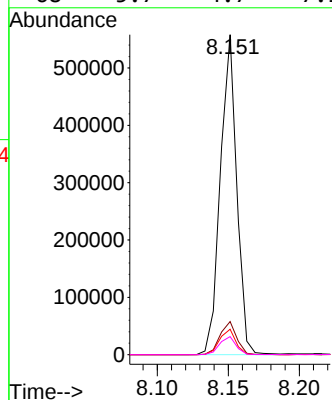
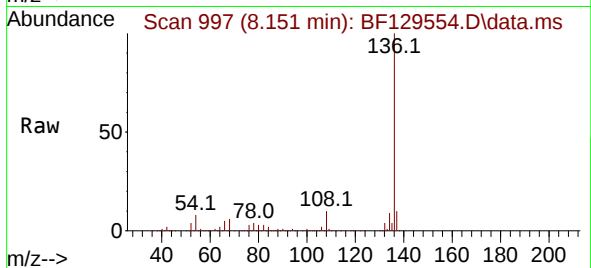


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: BF129554.D  
Acq: 03 Aug 2022 22:44

Instrument :  
BNA\_F  
ClientSampleId :  
RVE-99

Tgt Ion:136 Resp: 447515

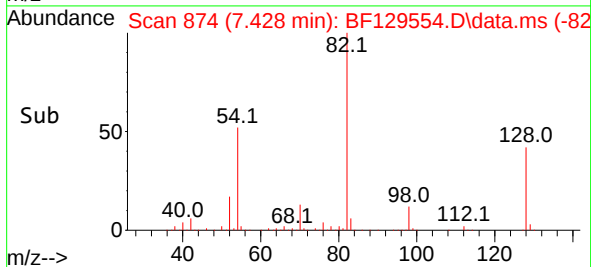
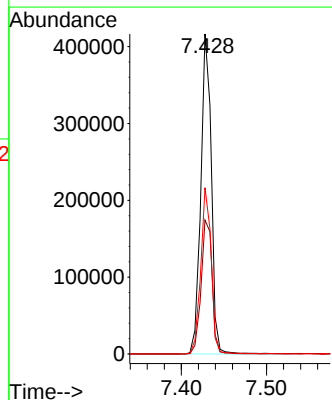
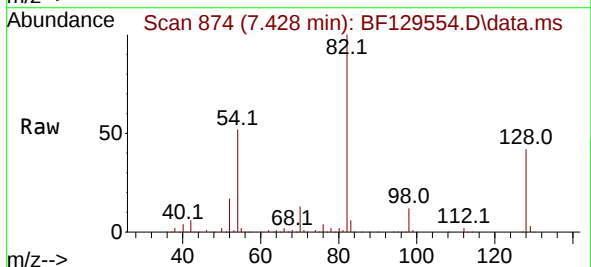
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.4  | 8.8   | 13.2  |
| 54  | 8.0   | 7.5   | 11.3  |
| 68  | 5.7   | 4.7   | 7.1   |

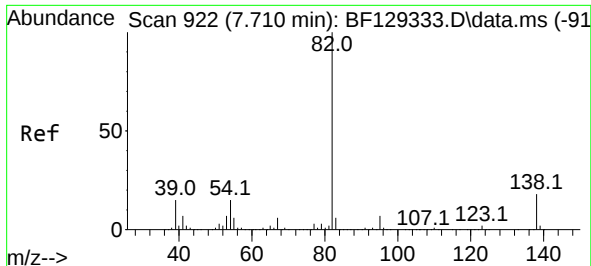


#23  
Nitrobenzene-d5  
Concen: 43.640 ng  
RT: 7.428 min Scan# 874  
Delta R.T. -0.018 min  
Lab File: BF129554.D  
Acq: 03 Aug 2022 22:44

Tgt Ion: 82 Resp: 357762

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 41.8  | 34.0  | 51.0  |
| 54  | 52.0  | 46.9  | 70.3  |

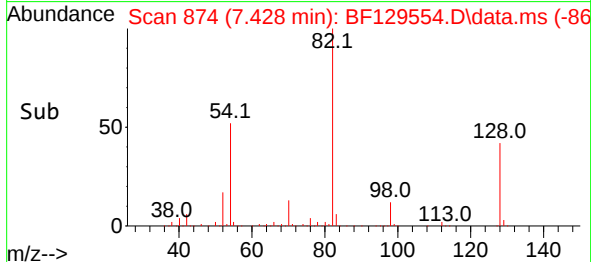
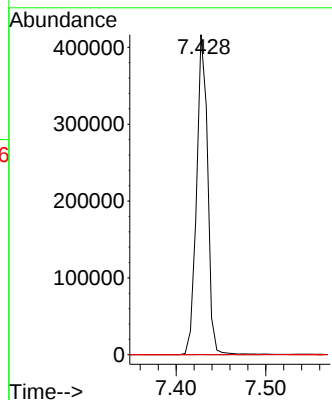
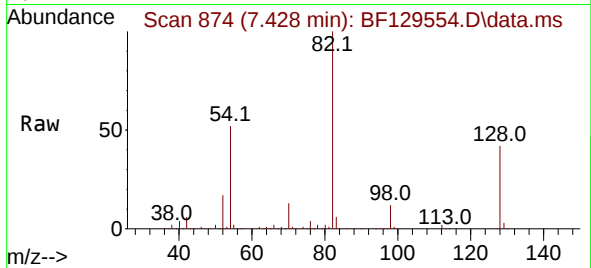




#25  
Isophorone  
Concen: 24.346 ng  
RT: 7.428 min Scan# 81  
Delta R.T. -0.271 min  
Lab File: BF129554.D  
Acq: 03 Aug 2022 22:44

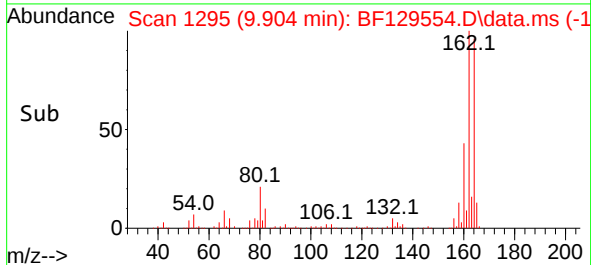
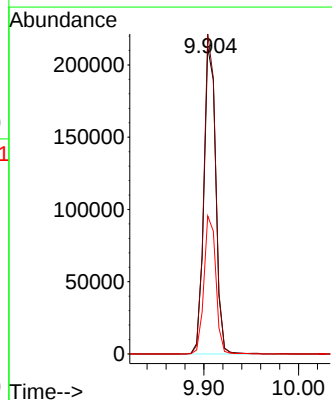
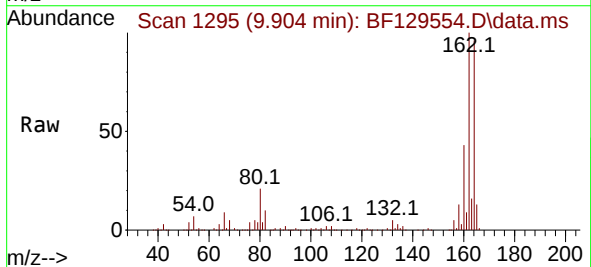
Instrument :  
BNA\_F  
ClientSampleId :  
RVE-99

Tgt Ion: 82 Resp: 357757  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 14.2 21.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.904 min Scan# 1295  
Delta R.T. -0.012 min  
Lab File: BF129554.D  
Acq: 03 Aug 2022 22:44

Tgt Ion:164 Resp: 184837  
Ion Ratio Lower Upper  
164 100  
162 104.3 79.5 119.3  
160 45.0 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 55.100 ng

RT: 10.698 min Scan# 1434

Delta R.T. -0.012 min

Lab File: BF129554.D

Acq: 03 Aug 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

RVE-99

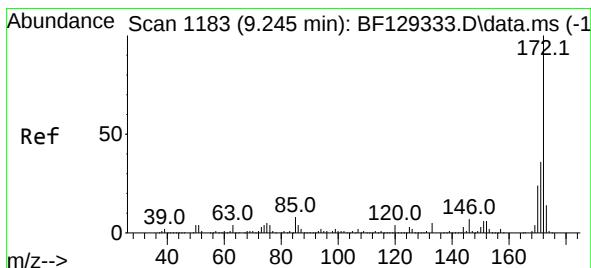
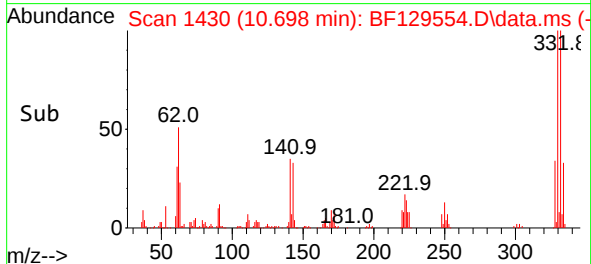
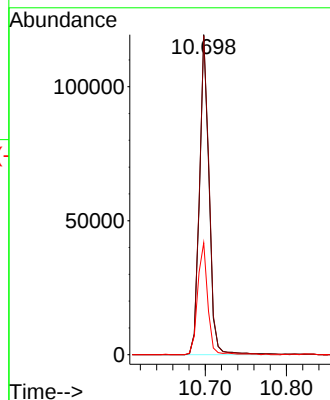
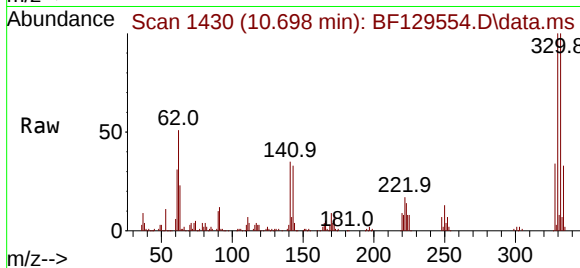
Tgt Ion:330 Resp: 97917

Ion Ratio Lower Upper

330 100

332 101.2 76.8 115.2

141 36.9 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 47.641 ng

RT: 9.222 min Scan# 1179

Delta R.T. -0.012 min

Lab File: BF129554.D

Acq: 03 Aug 2022 22:44

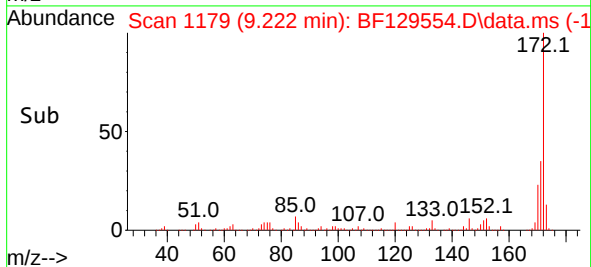
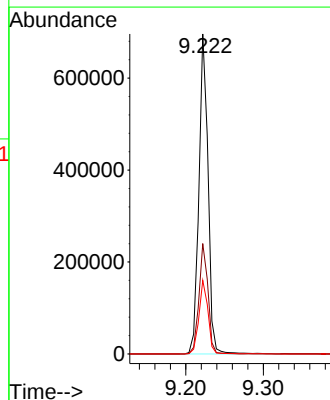
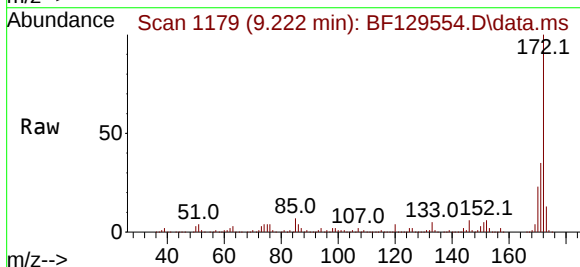
Tgt Ion:172 Resp: 569243

Ion Ratio Lower Upper

172 100

171 34.5 28.8 43.2

170 23.0 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 8.494 ng

RT: 9.904 min Scan# 1295

Delta R.T. 0.200 min

Lab File: BF129554.D

Acq: 03 Aug 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

RVE-99

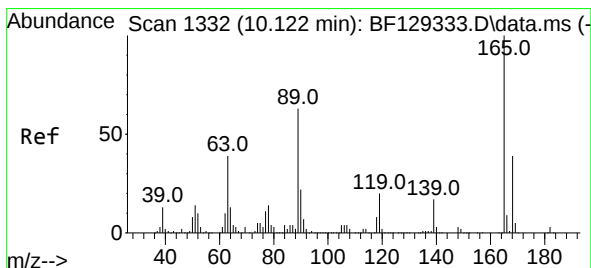
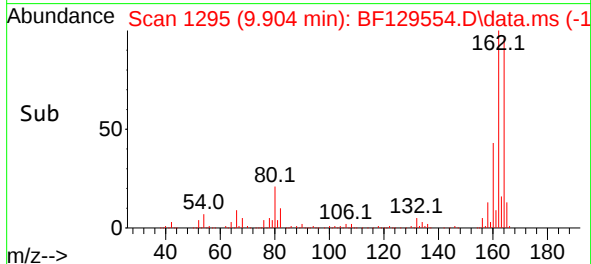
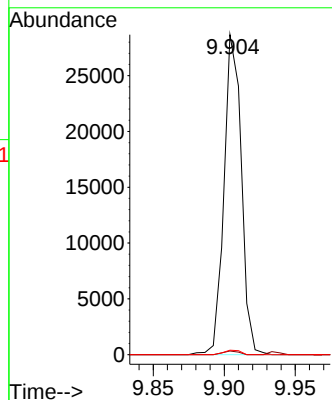
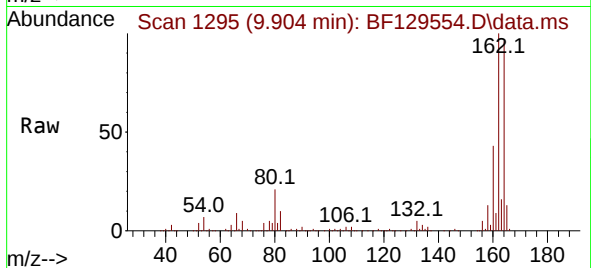
Tgt Ion:165 Resp: 24258

Ion Ratio Lower Upper

165 100

63 1.2 44.9 67.3#

89 1.4 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 6.502 ng

RT: 9.904 min Scan# 1295

Delta R.T. -0.206 min

Lab File: BF129554.D

Acq: 03 Aug 2022 22:44

Tgt Ion:165 Resp: 24258

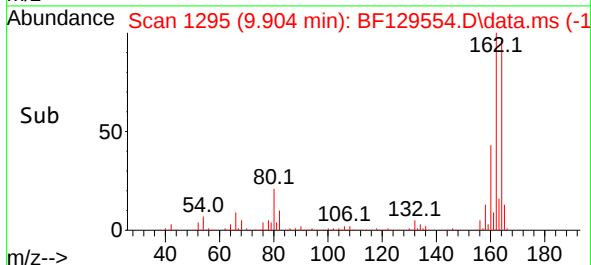
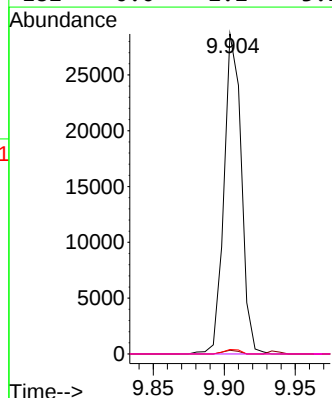
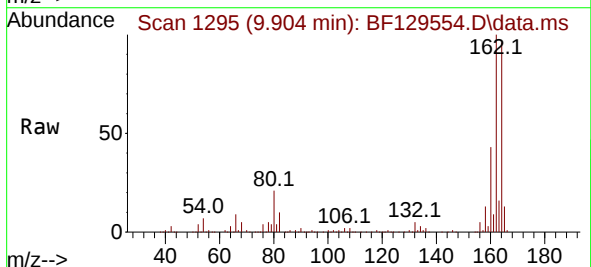
Ion Ratio Lower Upper

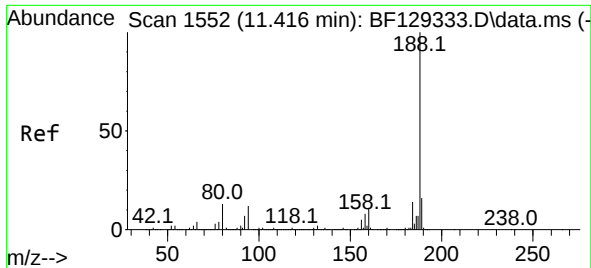
165 100

63 1.2 39.8 59.6#

89 1.4 60.2 90.2#

182 0.0 2.2 3.2#

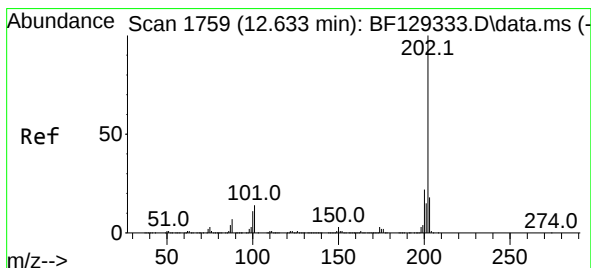
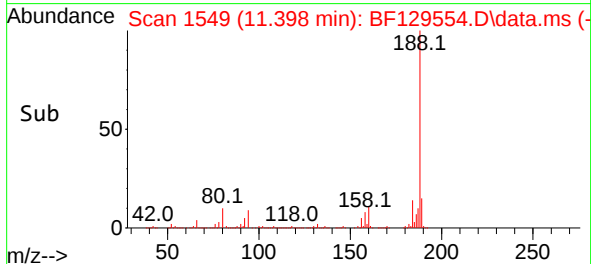
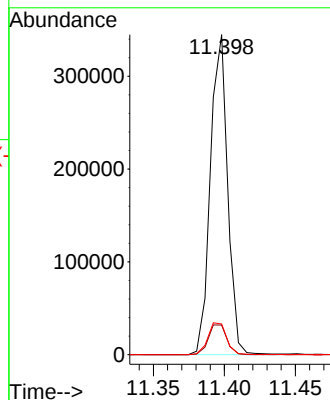
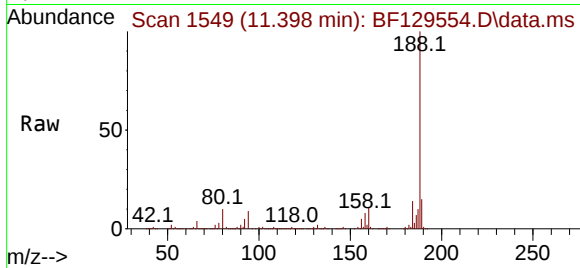




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF129554.D  
Acq: 03 Aug 2022 22:44

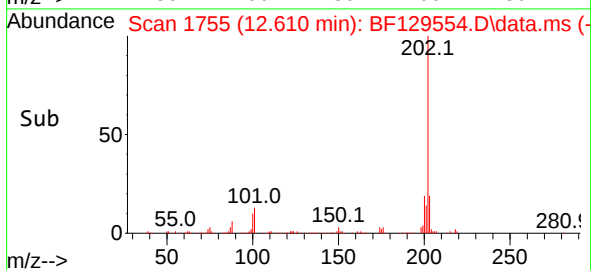
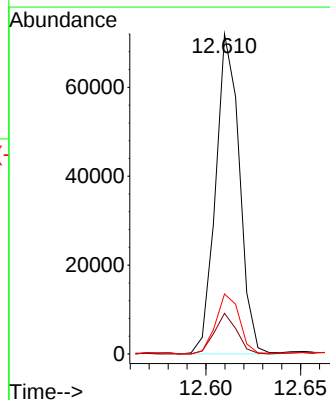
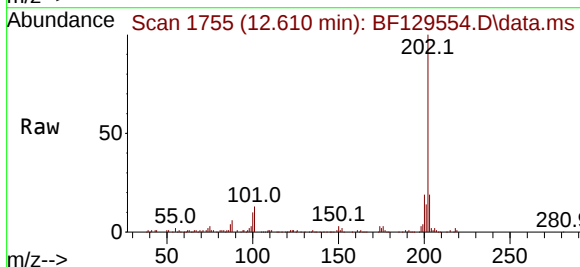
Instrument :  
BNA\_F  
ClientSampleId :  
RVE-99

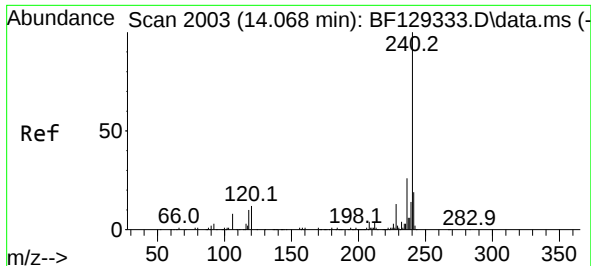
Tgt Ion:188 Resp: 292210  
Ion Ratio Lower Upper  
188 100  
94 9.2 7.0 10.6  
80 9.6 7.6 11.4



#75  
Fluoranthene  
Concen: 3.903 ng  
RT: 12.610 min Scan# 1755  
Delta R.T. -0.012 min  
Lab File: BF129554.D  
Acq: 03 Aug 2022 22:44

Tgt Ion:202 Resp: 63079  
Ion Ratio Lower Upper  
202 100  
101 12.7 0.0 31.4  
203 18.8 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 1998

Delta R.T. -0.012 min

Lab File: BF129554.D

Acq: 03 Aug 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

RVE-99

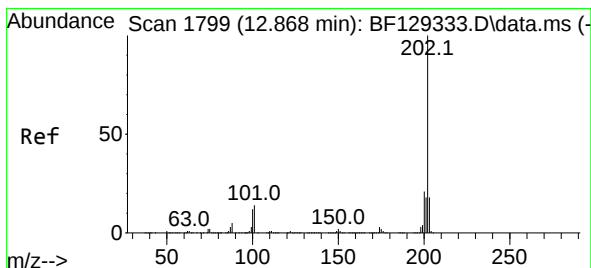
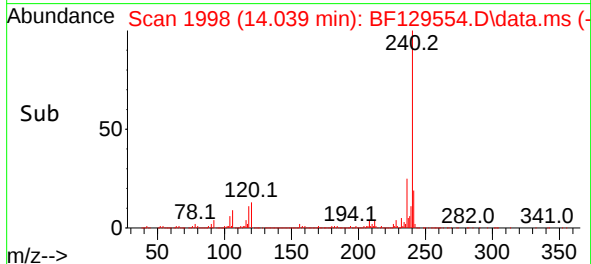
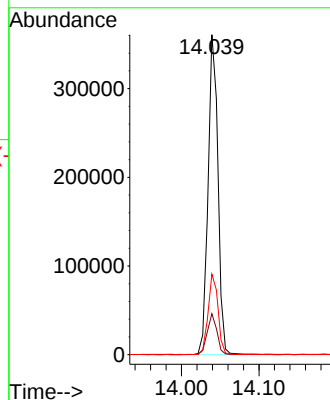
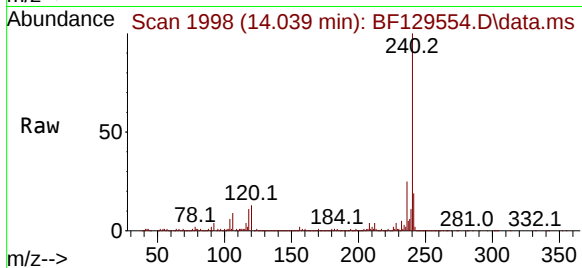
Tgt Ion:240 Resp: 319864

Ion Ratio Lower Upper

240 100

120 12.8 8.9 13.3

236 25.2 20.8 31.2



#78

Pyrene

Concen: 2.873 ng

RT: 12.839 min Scan# 1794

Delta R.T. -0.012 min

Lab File: BF129554.D

Acq: 03 Aug 2022 22:44

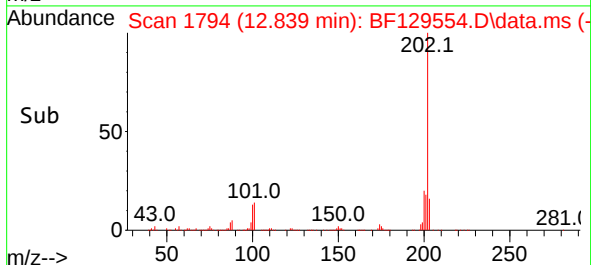
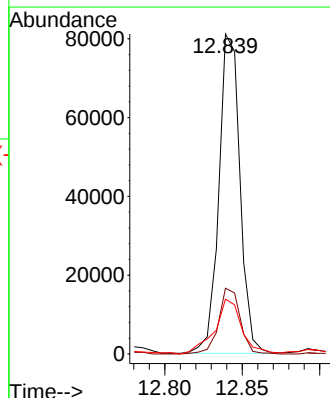
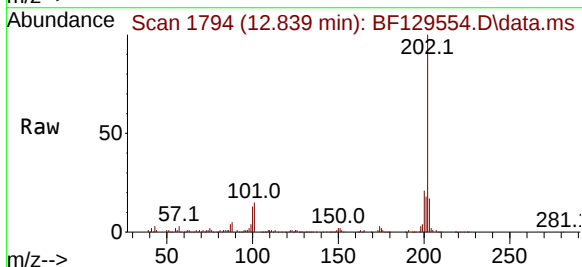
Tgt Ion:202 Resp: 76858

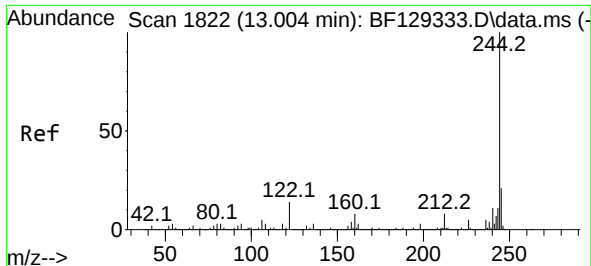
Ion Ratio Lower Upper

202 100

200 20.6 17.7 26.5

203 17.1 14.6 21.8

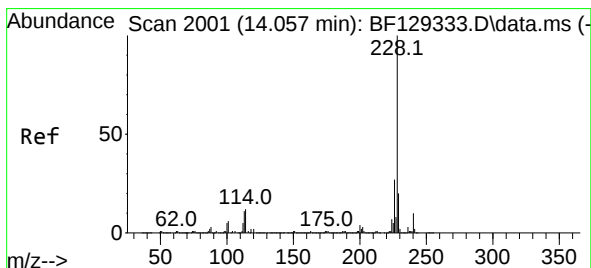
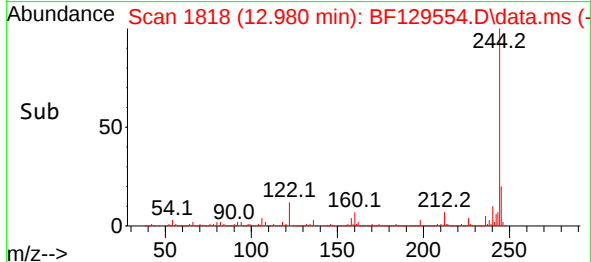
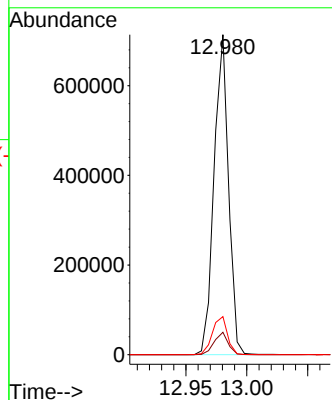
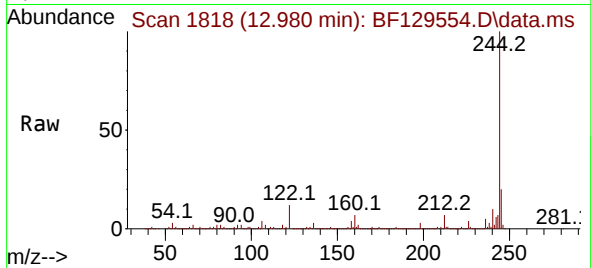




#79  
 Terphenyl-d14  
 Concen: 34.874 ng  
 RT: 12.980 min Scan# 1818  
 Delta R.T. -0.006 min  
 Lab File: BF129554.D  
 Acq: 03 Aug 2022 22:44

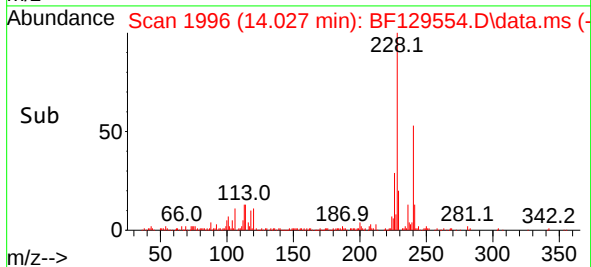
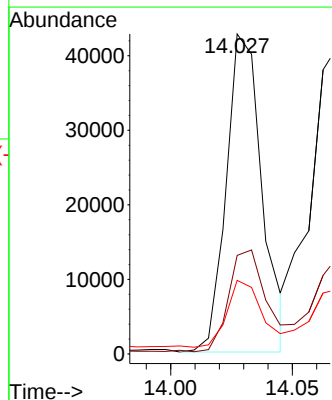
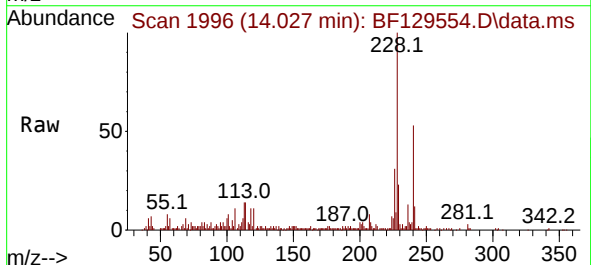
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RVE-99

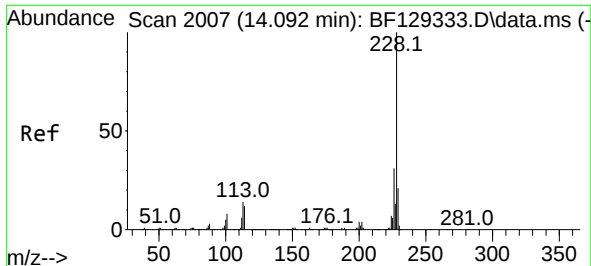
Tgt Ion:244 Resp: 591276  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 6.1 9.1  
 122 11.9 8.8 13.2



#81  
 Benzo(a)anthracene  
 Concen: 2.001 ng  
 RT: 14.027 min Scan# 1996  
 Delta R.T. -0.012 min  
 Lab File: BF129554.D  
 Acq: 03 Aug 2022 22:44

Tgt Ion:228 Resp: 43725  
 Ion Ratio Lower Upper  
 228 100  
 226 30.8 22.1 33.1  
 229 23.0 15.8 23.8

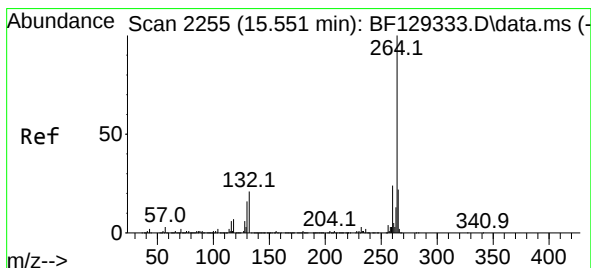
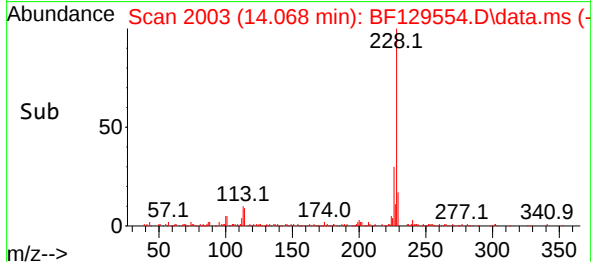
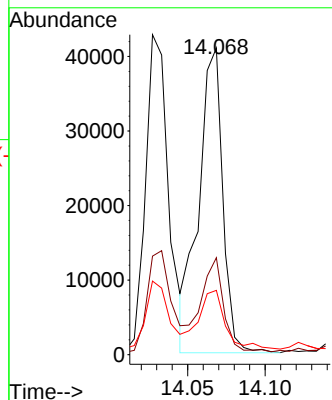
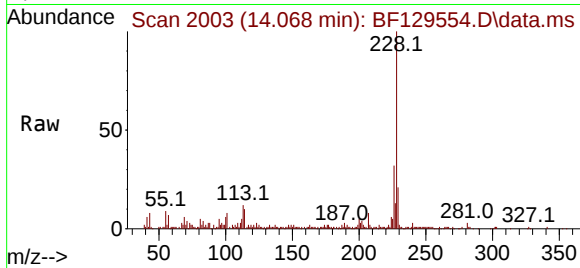




#83  
Chrysene  
Concen: 2.148 ng  
RT: 14.068 min Scan# 2007  
Delta R.T. -0.006 min  
Lab File: BF129554.D  
Acq: 03 Aug 2022 22:44

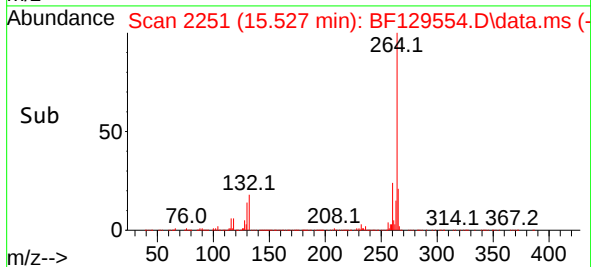
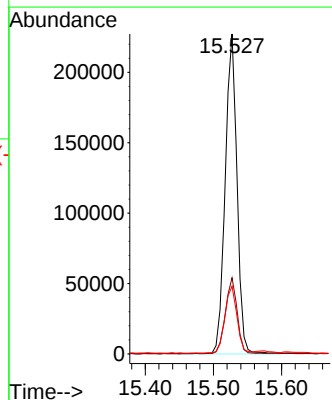
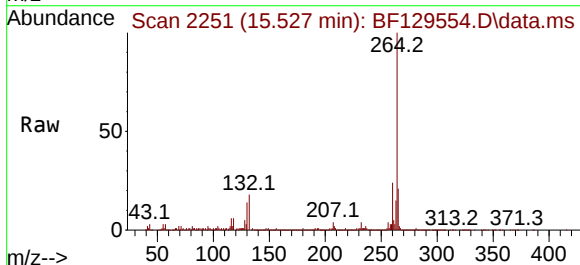
Instrument :  
BNA\_F  
ClientSampleId :  
RVE-99

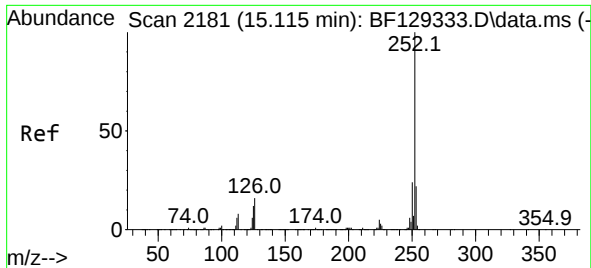
Tgt Ion:228 Resp: 44238  
Ion Ratio Lower Upper  
228 100  
226 31.6 24.3 36.5  
229 21.0 15.9 23.9



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.527 min Scan# 2251  
Delta R.T. -0.000 min  
Lab File: BF129554.D  
Acq: 03 Aug 2022 22:44

Tgt Ion:264 Resp: 274253  
Ion Ratio Lower Upper  
264 100  
260 23.8 18.4 27.6  
265 21.2 17.2 25.8





#88

Benzo(b)fluoranthene

Concen: 3.740 ng

RT: 15.086 min Scan# 2176

Delta R.T. -0.006 min

Lab File: BF129554.D

Acq: 03 Aug 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

RVE-99

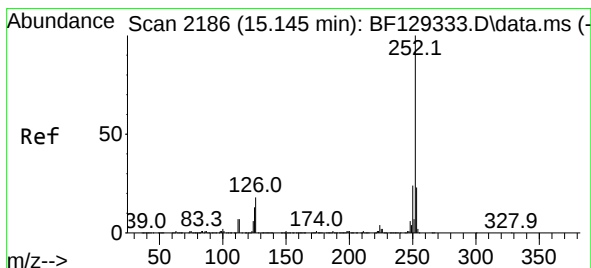
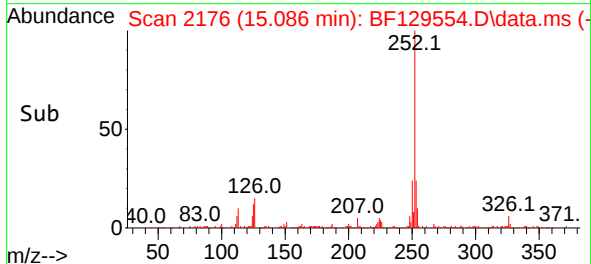
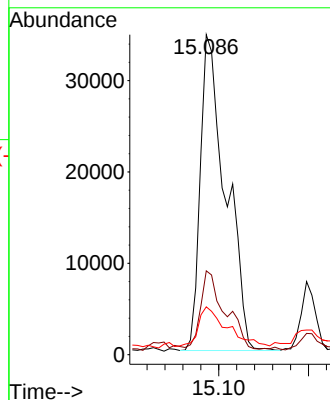
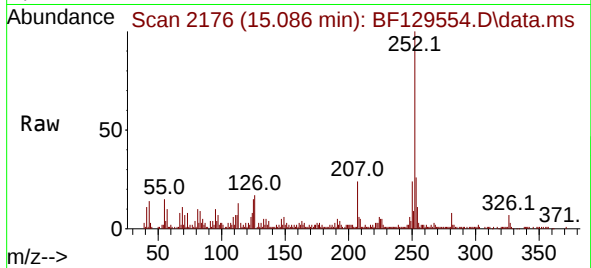
Tgt Ion:252 Resp: 68044

Ion Ratio Lower Upper

252 100

253 26.2 17.7 26.5

125 14.9 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 3.817 ng

RT: 15.086 min Scan# 2176

Delta R.T. -0.035 min

Lab File: BF129554.D

Acq: 03 Aug 2022 22:44

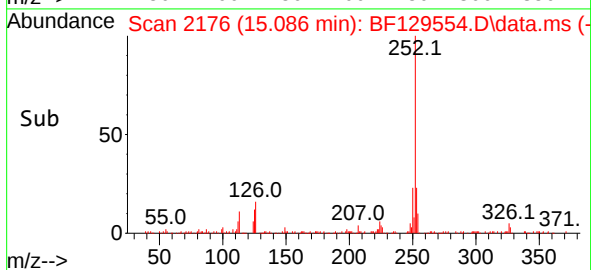
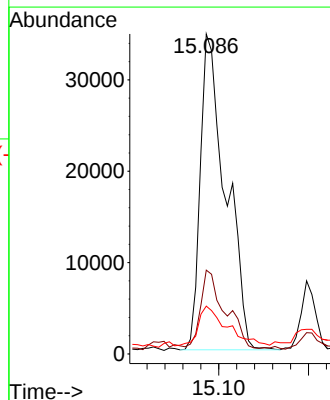
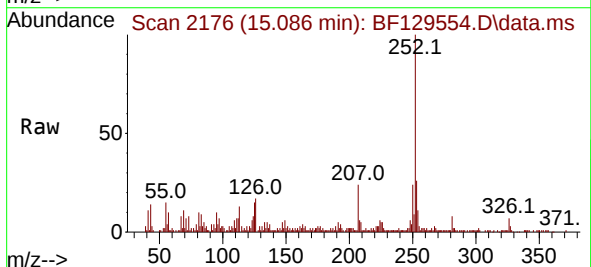
Tgt Ion:252 Resp: 68044

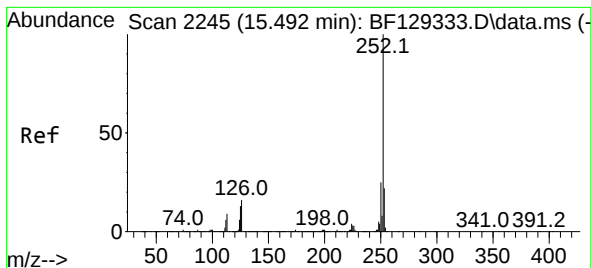
Ion Ratio Lower Upper

252 100

253 26.2 17.8 26.6

125 14.9 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 2.390 ng

RT: 15.463 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129554.D

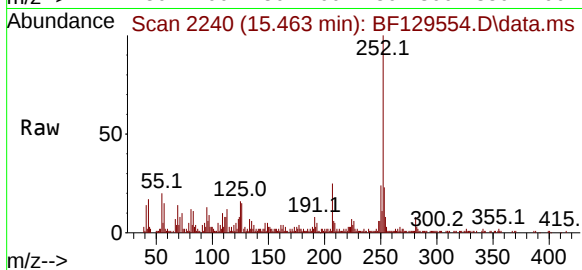
Acq: 03 Aug 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

RVE-99



Tgt Ion:252 Resp: 35297

Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.6

125 15.8 8.8 13.2#

