

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080522\  
 Data File : BF129614.D  
 Acq On : 05 Aug 2022 22:58  
 Operator : CG\JU  
 Sample : N3961-16  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RVE-182

Quant Time: Aug 08 02:03:49 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 05 16:27:34 2022  
 Response via : Initial Calibration

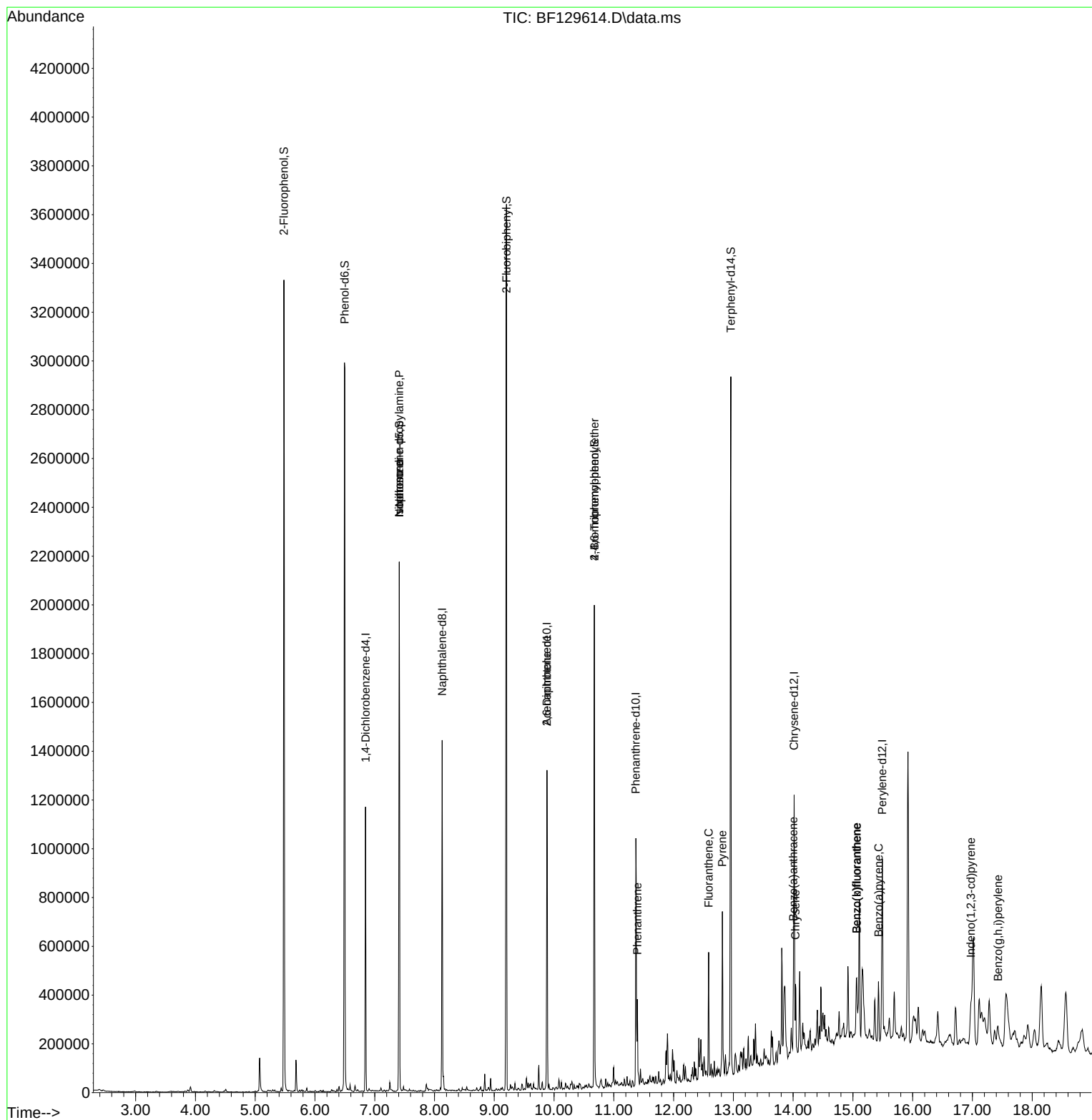
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.845  | 152  | 151392   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.128  | 136  | 554555   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.881  | 164  | 243539   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.369 | 188  | 348964   | 20.000 | ng    | #-0.01   |
| 76) Chrysene-d12              | 14.016 | 240  | 294331   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12              | 15.492 | 264  | 270197   | 20.000 | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.481  | 112  | 890235   | 95.791 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 1074535  | 91.986 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.410  | 82   | 667144   | 65.671 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.675 | 330  | 202074   | 86.303 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.204  | 172  | 1104422  | 70.152 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.957 | 244  | 905626   | 58.048 | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.410  | 70   | 89345    | 12.634 | ng    | # 73     |
| 25) Isophorone                | 7.410  | 82   | 664173   | 36.474 | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.881  | 165  | 32341    | 8.595  | ng    | # 25     |
| 67) 4-Bromophenyl-phenylether | 10.675 | 248  | 12642    | 3.308  | ng    | # 1      |
| 71) Phenanthrene              | 11.392 | 178  | 108100   | 5.675  | ng    | 99       |
| 75) Fluoranthene              | 12.586 | 202  | 169687   | 8.792  | ng    | 99       |
| 78) Pyrene                    | 12.816 | 202  | 234384   | 9.523  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.004 | 228  | 108151   | 5.379  | ng    | 93       |
| 83) Chrysene                  | 14.039 | 228  | 118927   | 6.276  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.974 | 276  | 54876    | 3.016  | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.063 | 252  | 174310   | 9.725  | ng    | # 98     |
| 89) Benzo(k)fluoranthene      | 15.063 | 252  | 174310   | 9.924  | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.427 | 252  | 95031    | 6.532  | ng    | 95       |
| 92) Benzo(g,h,i)perylene      | 17.427 | 276  | 61591    | 4.070  | ng    | 95       |
| -----                         |        |      |          |        |       |          |

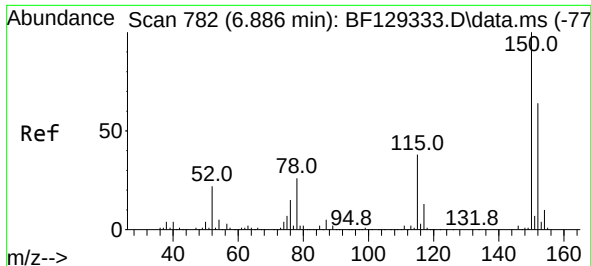
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 05 16:27:34 2022  
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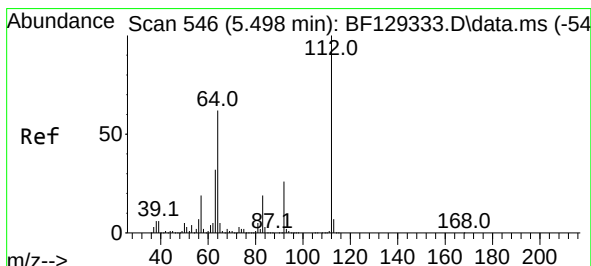
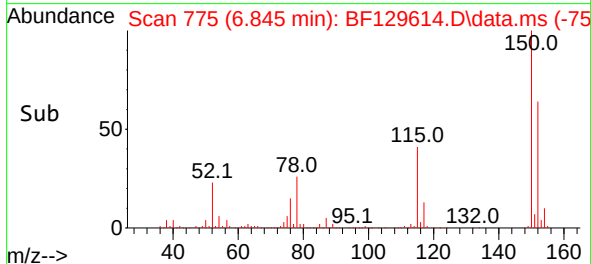
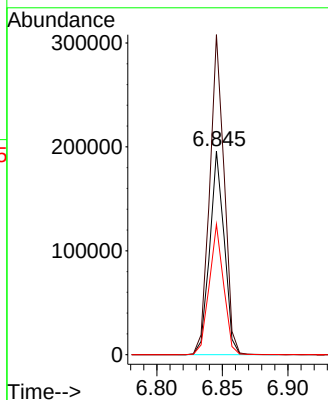
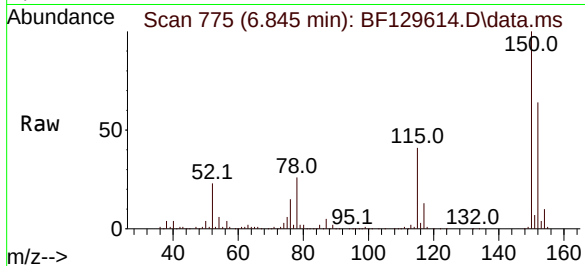




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.845 min Scan# 71  
 Delta R.T. -0.006 min  
 Lab File: BF129614.D  
 Acq: 05 Aug 2022 22:58

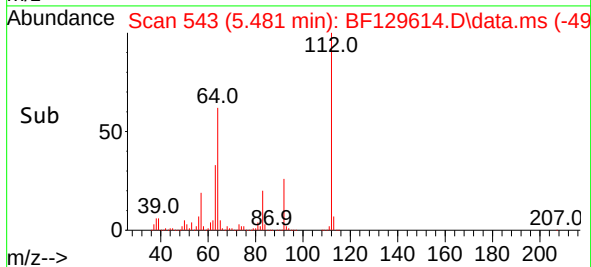
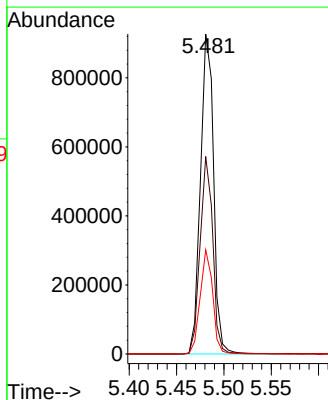
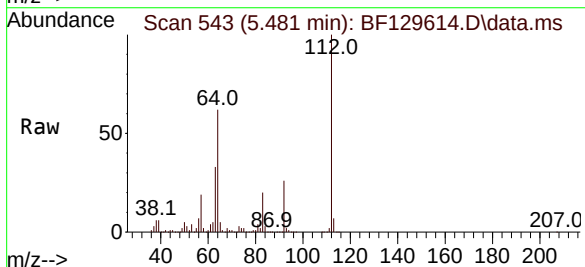
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RVE-182

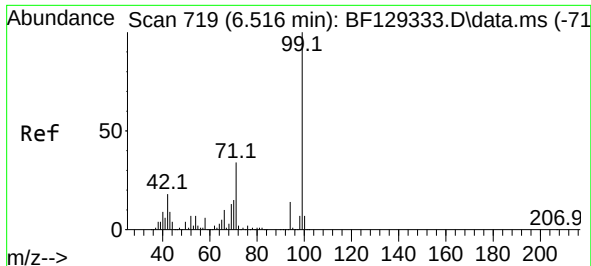
Tgt Ion:152 Resp: 151392  
 Ion Ratio Lower Upper  
 152 100  
 150 157.2 123.7 185.5  
 115 64.0 49.9 74.9



#5  
 2-Fluorophenol  
 Concen: 95.791 ng  
 RT: 5.481 min Scan# 543  
 Delta R.T. 0.000 min  
 Lab File: BF129614.D  
 Acq: 05 Aug 2022 22:58

Tgt Ion:112 Resp: 890235  
 Ion Ratio Lower Upper  
 112 100  
 64 61.7 53.3 79.9  
 63 32.5 28.0 42.0





#7  
Phenol-d6  
Concen: 91.986 ng  
RT: 6.498 min Scan# 719  
Delta R.T. -0.006 min  
Lab File: BF129614.D  
Acq: 05 Aug 2022 22:58

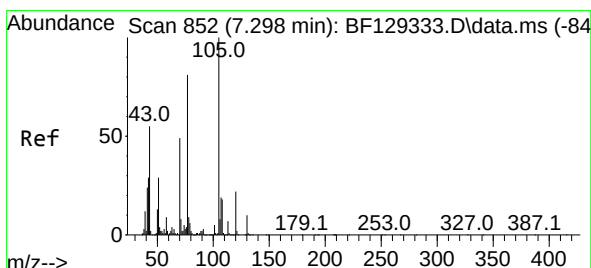
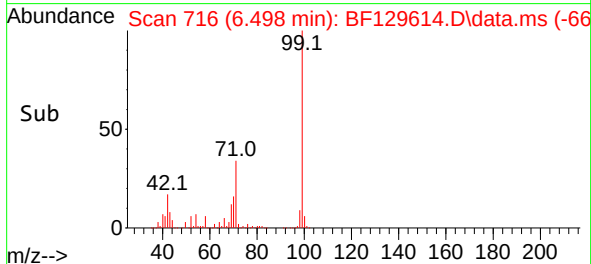
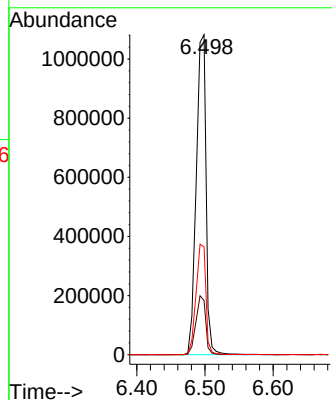
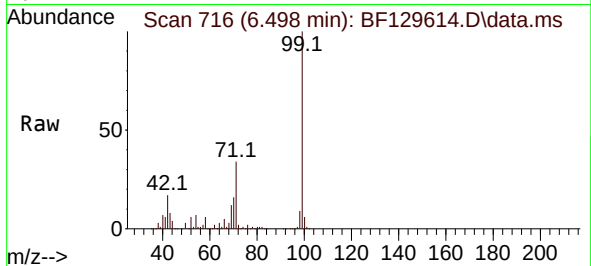
Instrument :

BNA\_F

ClientSampleId :

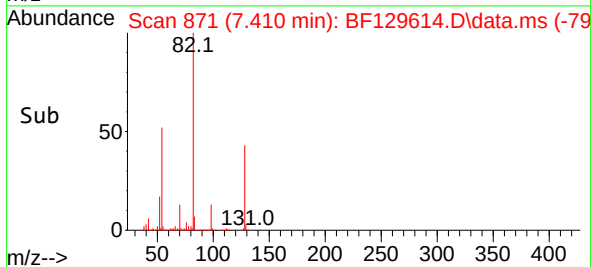
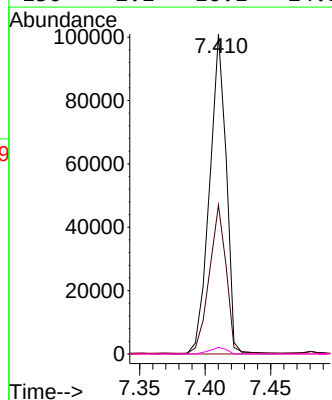
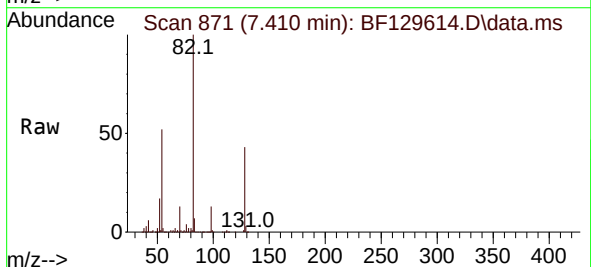
RVE-182

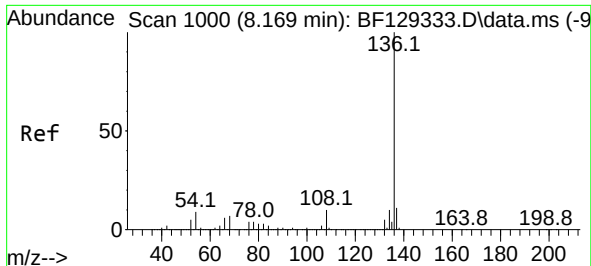
Tgt Ion: 99 Resp: 1074535  
Ion Ratio Lower Upper  
99 100  
42 17.0 17.3 25.9#  
71 33.7 28.9 43.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.634 ng  
RT: 7.410 min Scan# 871  
Delta R.T. 0.141 min  
Lab File: BF129614.D  
Acq: 05 Aug 2022 22:58

Tgt Ion: 70 Resp: 89345  
Ion Ratio Lower Upper  
70 100  
42 46.6 52.3 78.5#  
101 0.0 7.5 11.3#  
130 2.1 16.1 24.1#

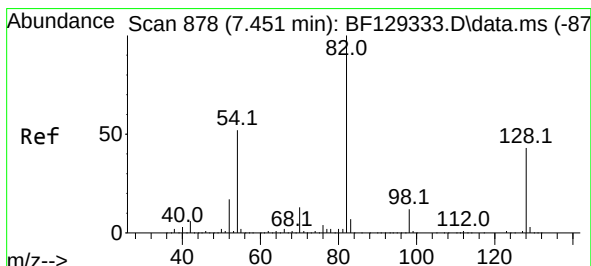
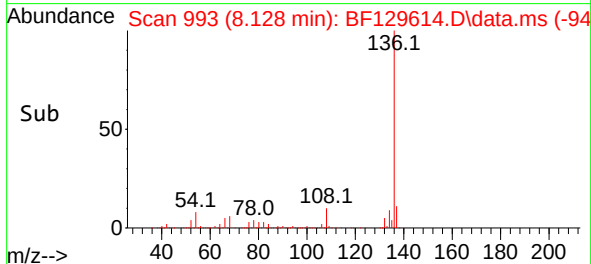
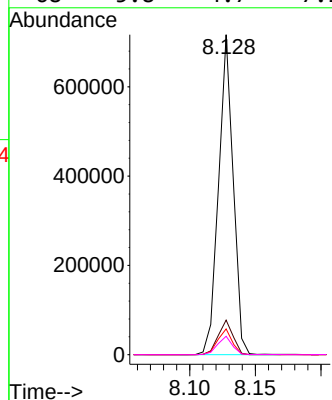
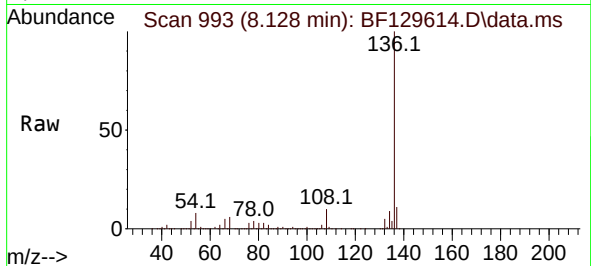




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.128 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF129614.D  
Acq: 05 Aug 2022 22:58

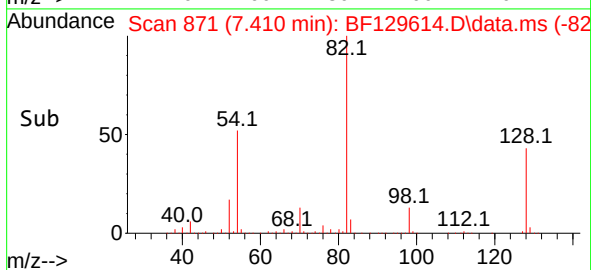
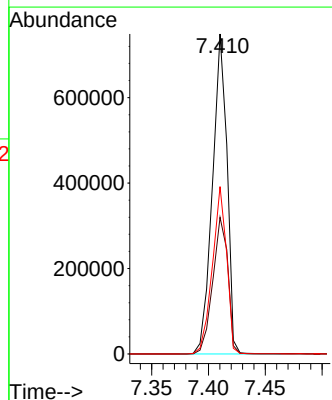
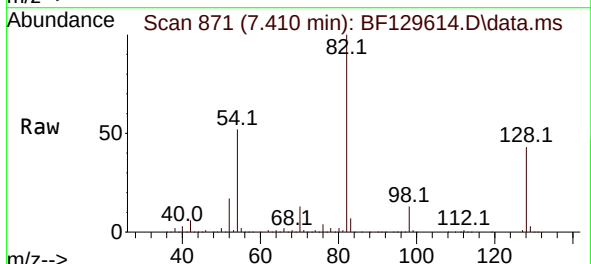
Instrument :  
BNA\_F  
ClientSampleId :  
RVE-182

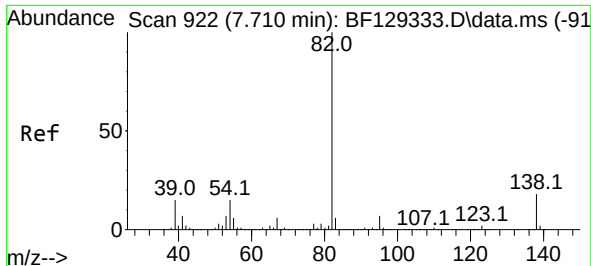
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 554555 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.8   | 13.2   |
| 54       | 8.1   | 7.5   | 11.3   |
| 68       | 5.8   | 4.7   | 7.1    |



#23  
Nitrobenzene-d5  
Concen: 65.671 ng  
RT: 7.410 min Scan# 871  
Delta R.T. -0.012 min  
Lab File: BF129614.D  
Acq: 05 Aug 2022 22:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 667144 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 42.7  | 34.0  | 51.0   |
| 54       | 52.3  | 46.9  | 70.3   |

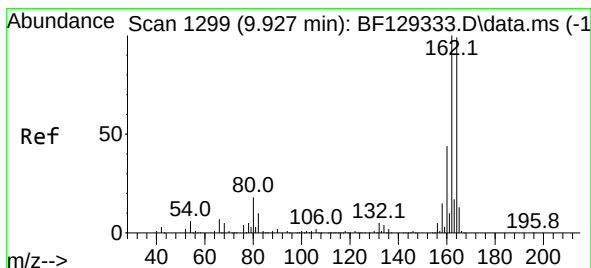
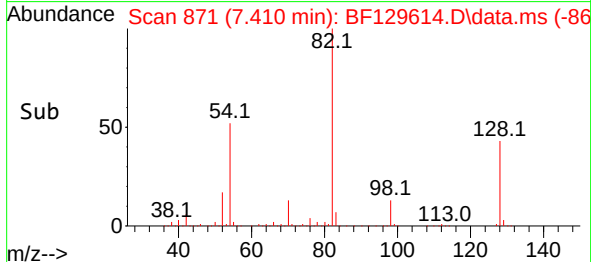
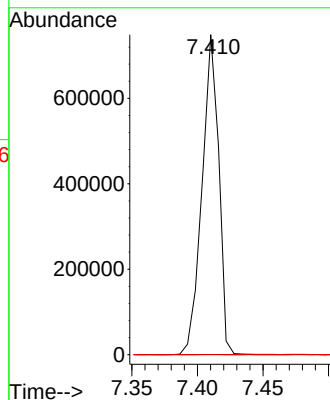
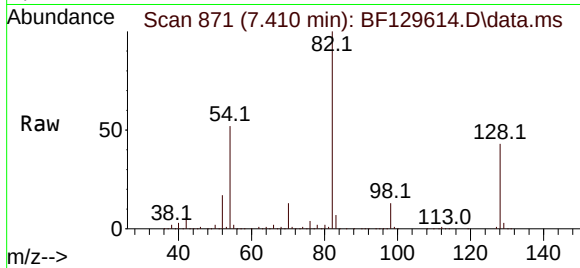




#25  
Isophorone  
Concen: 36.474 ng  
RT: 7.410 min Scan# 81  
Delta R.T. -0.271 min  
Lab File: BF129614.D  
Acq: 05 Aug 2022 22:58

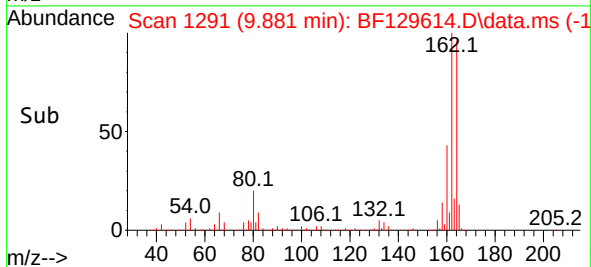
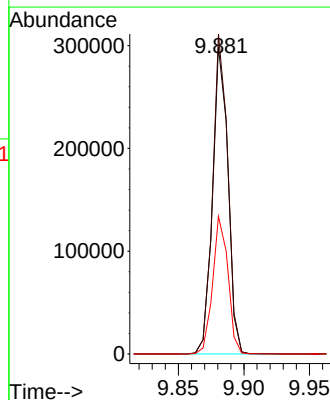
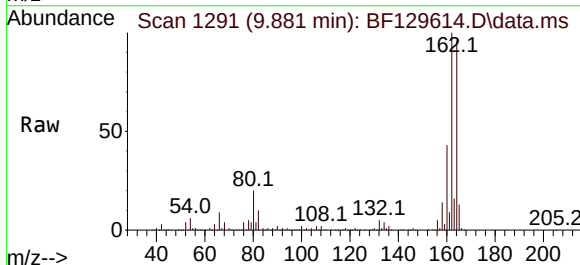
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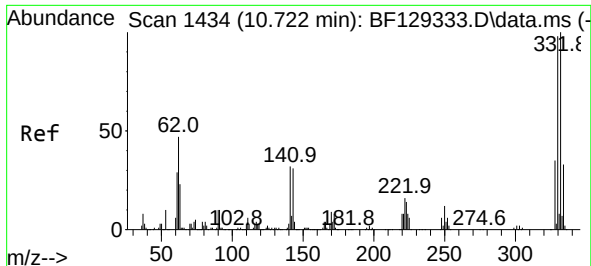
Tgt Ion: 82 Resp: 664173  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 14.2 21.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.881 min Scan# 1291  
Delta R.T. -0.012 min  
Lab File: BF129614.D  
Acq: 05 Aug 2022 22:58

Tgt Ion:164 Resp: 243539  
Ion Ratio Lower Upper  
164 100  
162 104.2 79.5 119.3  
160 44.8 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 86.303 ng

RT: 10.675 min Scan# 1434

Delta R.T. -0.012 min

Lab File: BF129614.D

Acq: 05 Aug 2022 22:58

Instrument :

BNA\_F

ClientSampleId :

RVE-182

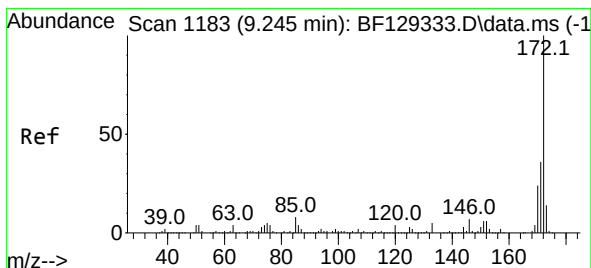
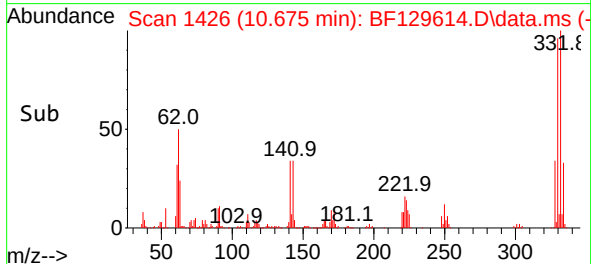
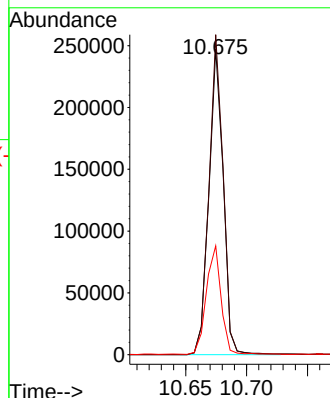
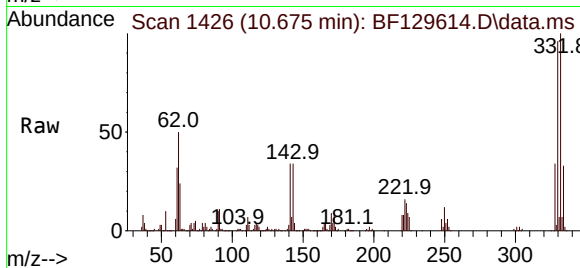
Tgt Ion:330 Resp: 202074

Ion Ratio Lower Upper

330 100

332 103.6 76.8 115.2

141 36.6 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 70.152 ng

RT: 9.204 min Scan# 1176

Delta R.T. -0.006 min

Lab File: BF129614.D

Acq: 05 Aug 2022 22:58

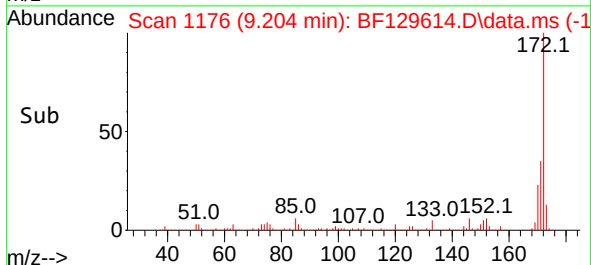
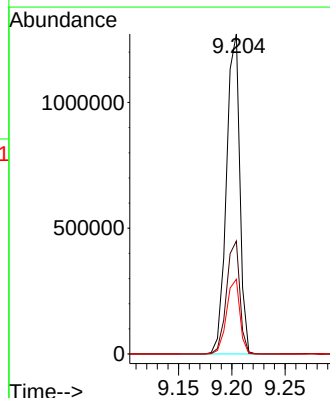
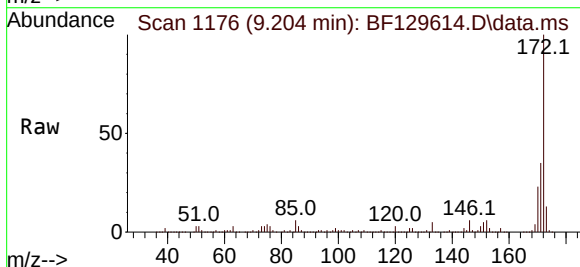
Tgt Ion:172 Resp: 1104422

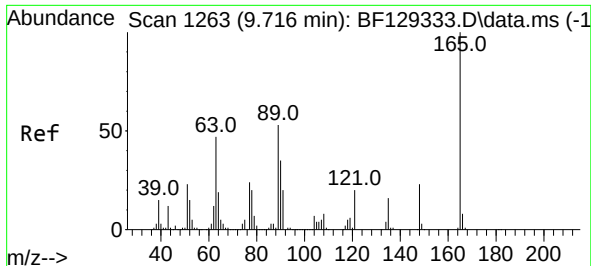
Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

170 23.4 19.8 29.8

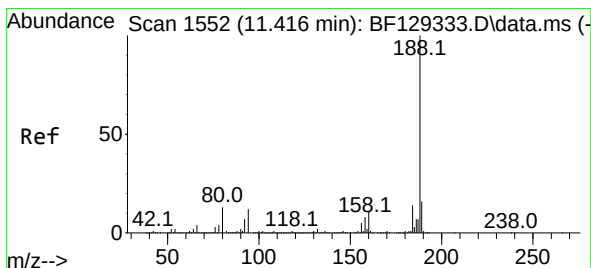
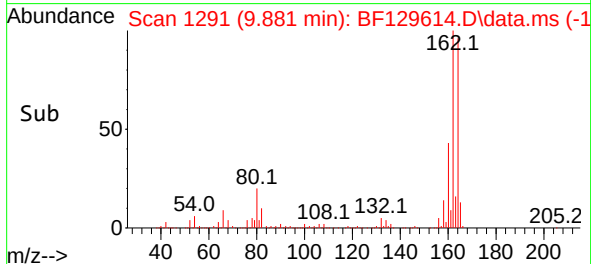
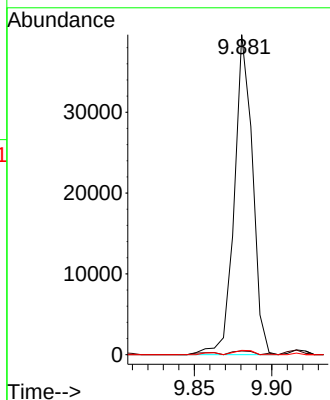
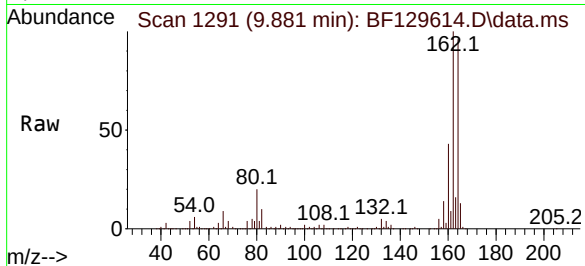




#51  
2,6-Dinitrotoluene  
Concen: 8.595 ng  
RT: 9.881 min Scan# 11  
Delta R.T. 0.200 min  
Lab File: BF129614.D  
Acq: 05 Aug 2022 22:58

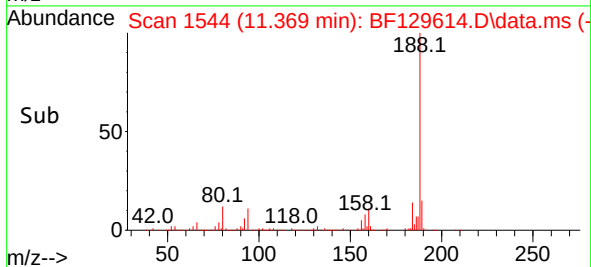
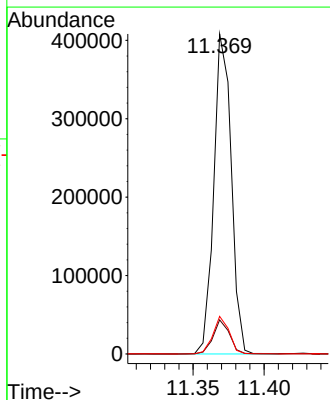
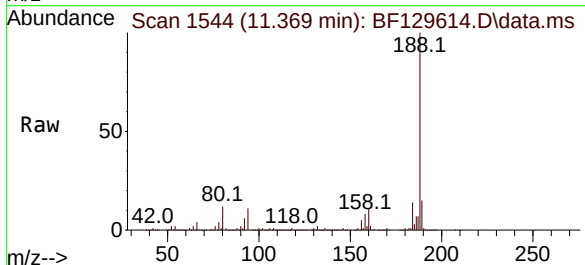
Instrument :  
BNA\_F  
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Tgt Ion:165 Resp: 32341  
Ion Ratio Lower Upper  
165 100  
63 1.2 44.9 67.3#  
89 1.3 43.6 65.4#

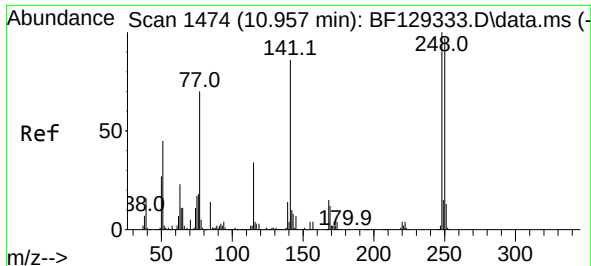


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.369 min Scan# 1544  
Delta R.T. -0.012 min  
Lab File: BF129614.D  
Acq: 05 Aug 2022 22:58

Tgt Ion:188 Resp: 348964  
Ion Ratio Lower Upper  
188 100  
94 10.7 7.0 10.6#  
80 11.7 7.6 11.4#



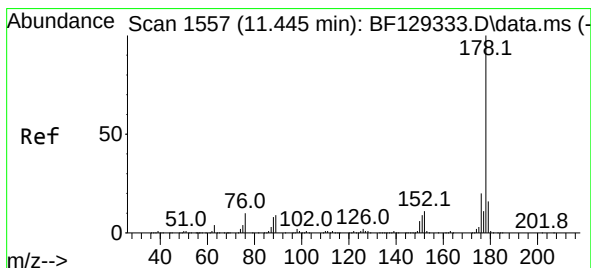
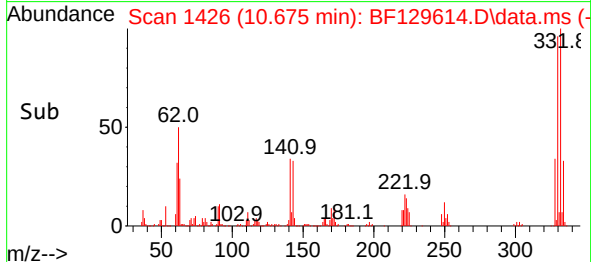
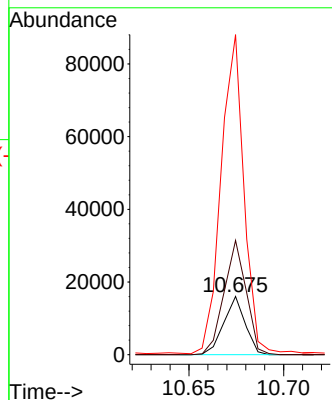
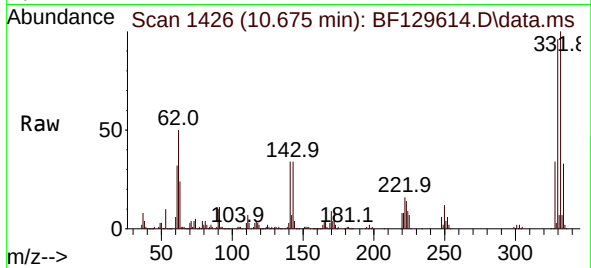




#67  
4-Bromophenyl-phenylether  
Concen: 3.308 ng  
RT: 10.675 min Scan# 1474  
Delta R.T. -0.247 min  
Lab File: BF129614.D  
Acq: 05 Aug 2022 22:58

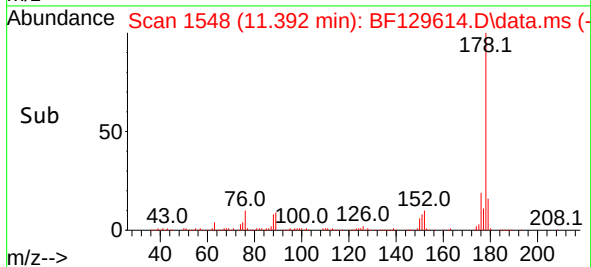
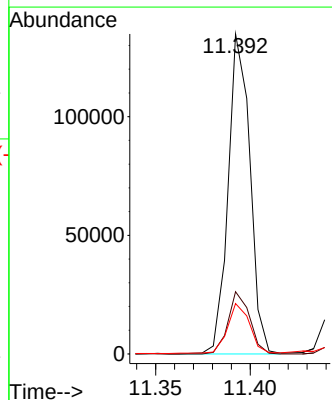
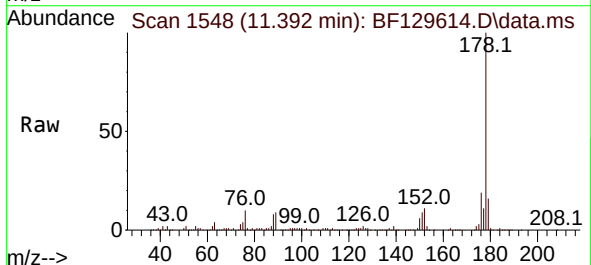
Instrument :  
BNA\_F  
ClientSampleId :  
RVE-182

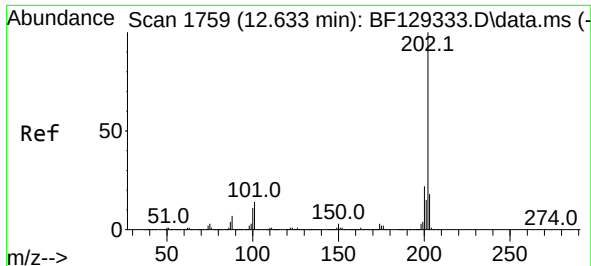
Tgt Ion:248 Resp: 12642  
Ion Ratio Lower Upper  
248 100  
250 196.5 80.6 120.8#  
141 550.1 58.9 88.3#



#71  
Phenanthrene  
Concen: 5.675 ng  
RT: 11.392 min Scan# 1548  
Delta R.T. -0.018 min  
Lab File: BF129614.D  
Acq: 05 Aug 2022 22:58

Tgt Ion:178 Resp: 108100  
Ion Ratio Lower Upper  
178 100  
176 19.5 16.0 24.0  
179 15.8 12.6 19.0

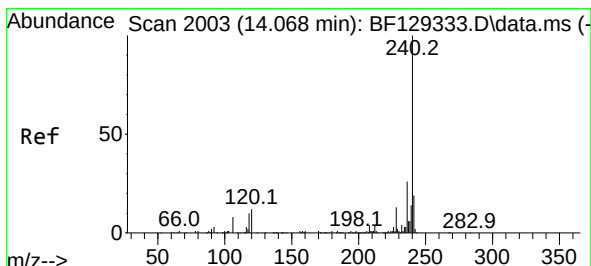
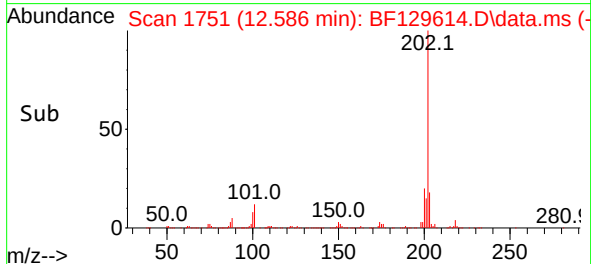
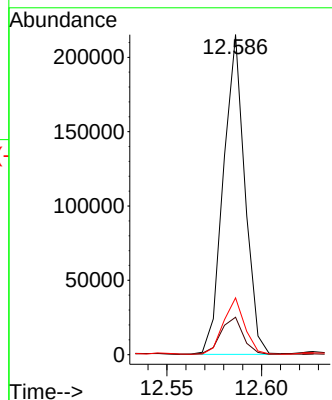
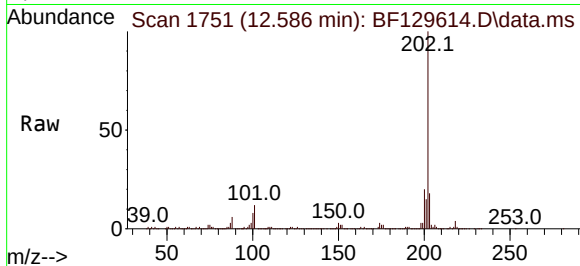




#75  
Fluoranthene  
Concen: 8.792 ng  
RT: 12.586 min Scan# 1  
Delta R.T. -0.012 min  
Lab File: BF129614.D  
Acq: 05 Aug 2022 22:58

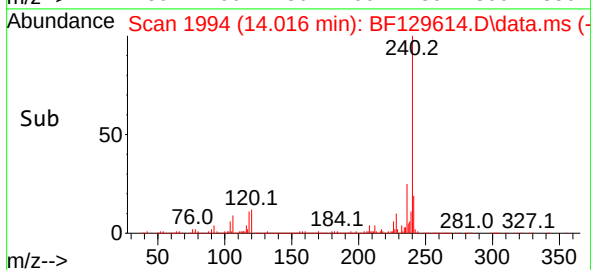
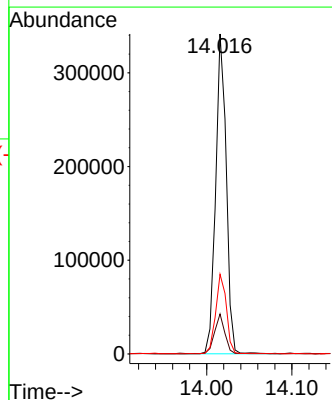
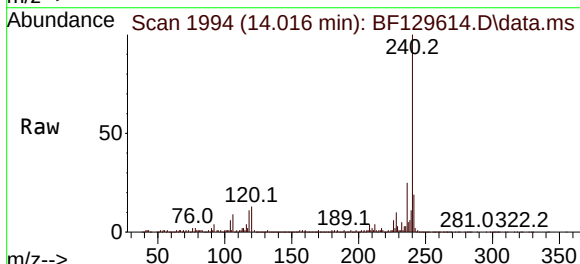
Instrument :  
BNA\_F  
ClientSampleId :  
RVE-182

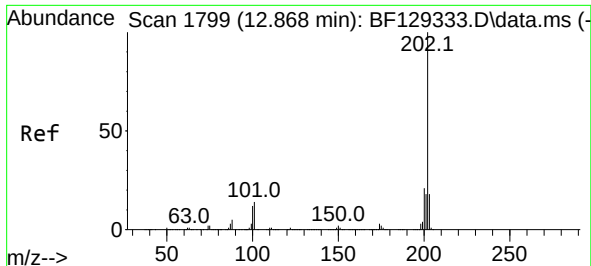
Tgt Ion:202 Resp: 169687  
Ion Ratio Lower Upper  
202 100  
101 11.7 0.0 31.4  
203 17.7 0.0 38.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.016 min Scan# 1994  
Delta R.T. -0.012 min  
Lab File: BF129614.D  
Acq: 05 Aug 2022 22:58

Tgt Ion:240 Resp: 294331  
Ion Ratio Lower Upper  
240 100  
120 12.5 8.9 13.3  
236 24.9 20.8 31.2

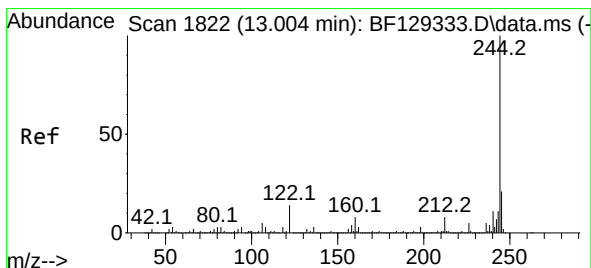
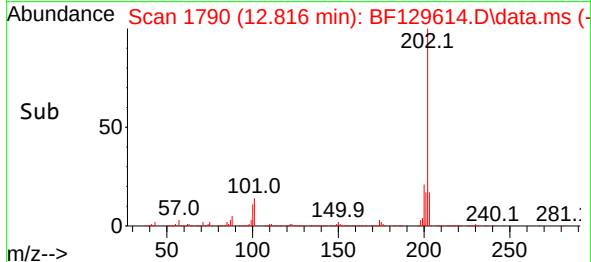
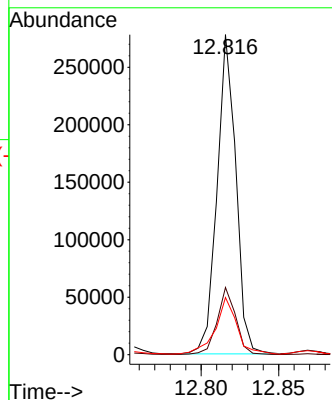
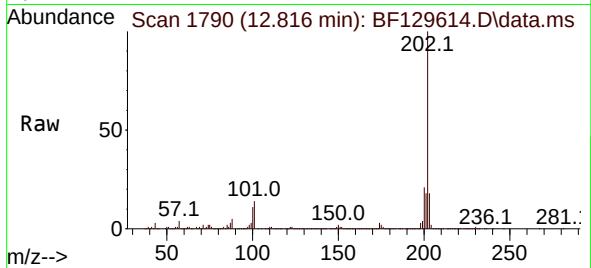




#78  
 Pyrene  
 Concen: 9.523 ng  
 RT: 12.816 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: BF129614.D  
 Acq: 05 Aug 2022 22:58

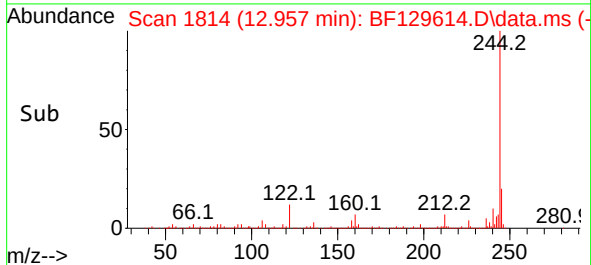
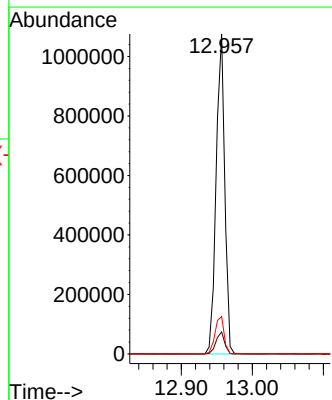
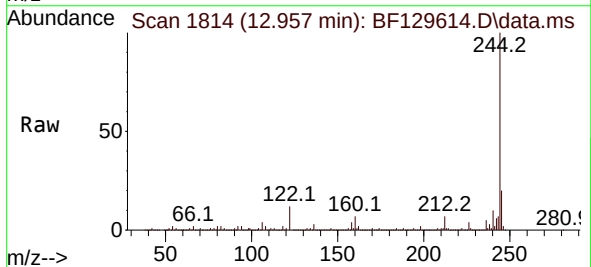
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RVE-182

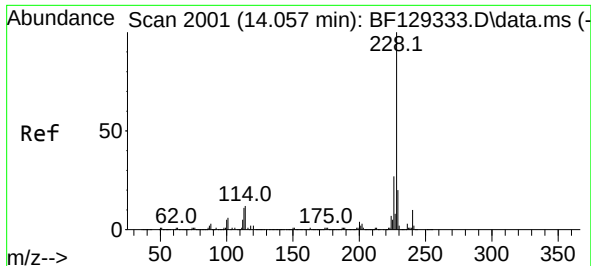
Tgt Ion:202 Resp: 234384  
 Ion Ratio Lower Upper  
 202 100  
 200 21.0 17.7 26.5  
 203 17.8 14.6 21.8



#79  
 Terphenyl-d14  
 Concen: 58.048 ng  
 RT: 12.957 min Scan# 1814  
 Delta R.T. -0.012 min  
 Lab File: BF129614.D  
 Acq: 05 Aug 2022 22:58

Tgt Ion:244 Resp: 905626  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 6.1 9.1  
 122 11.7 8.8 13.2

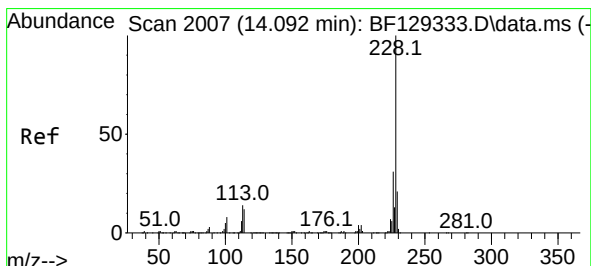
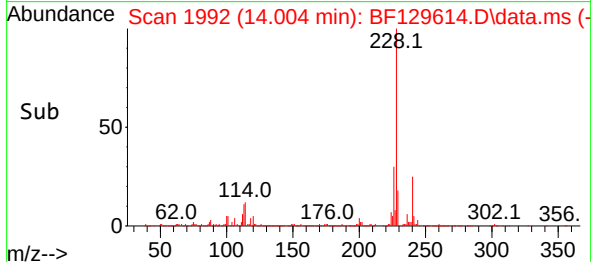
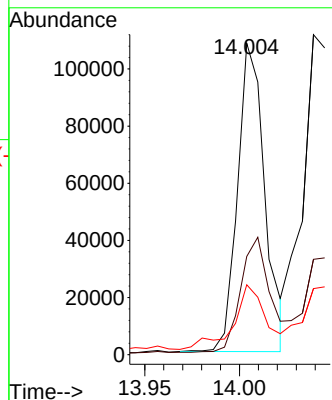
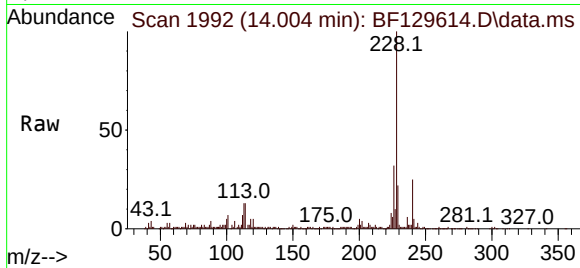




#81  
Benzo(a)anthracene  
Concen: 5.379 ng  
RT: 14.004 min Scan# 1992  
Delta R.T. -0.012 min  
Lab File: BF129614.D  
Acq: 05 Aug 2022 22:58

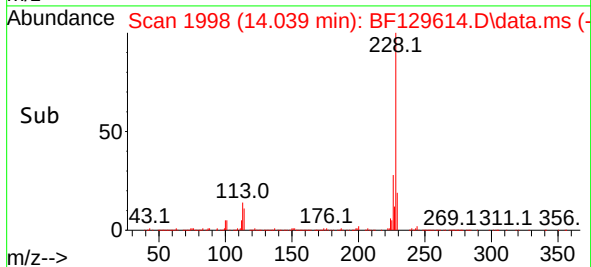
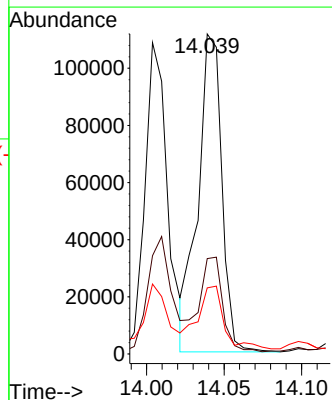
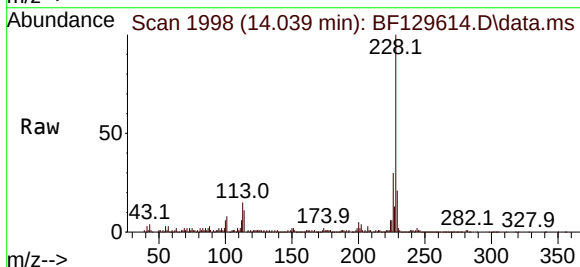
Instrument :  
BNA\_F  
ClientSampleId :  
RVE-182

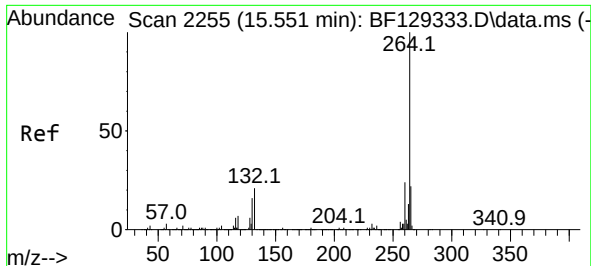
Tgt Ion:228 Resp: 108151  
Ion Ratio Lower Upper  
228 100  
226 31.6 22.1 33.1  
229 22.4 15.8 23.8



#83  
Chrysene  
Concen: 6.276 ng  
RT: 14.039 min Scan# 1998  
Delta R.T. -0.018 min  
Lab File: BF129614.D  
Acq: 05 Aug 2022 22:58

Tgt Ion:228 Resp: 118927  
Ion Ratio Lower Upper  
228 100  
226 29.8 24.3 36.5  
229 20.6 15.9 23.9

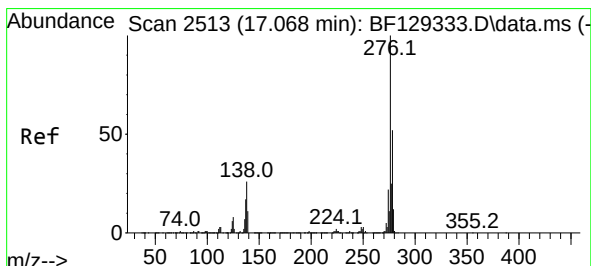
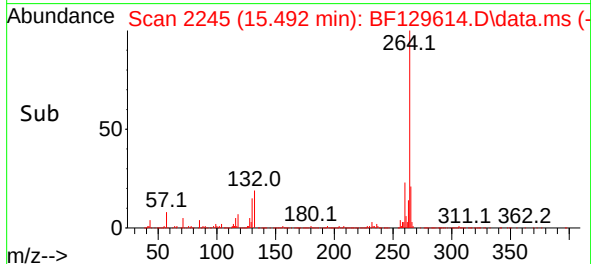
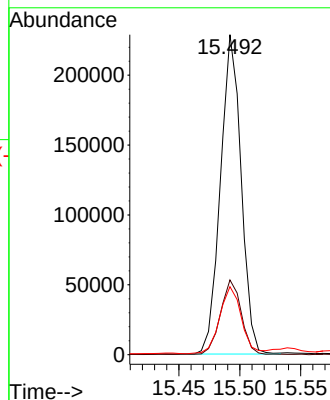
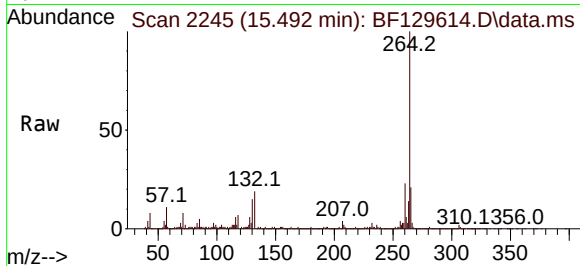




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.492 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF129614.D  
Acq: 05 Aug 2022 22:58

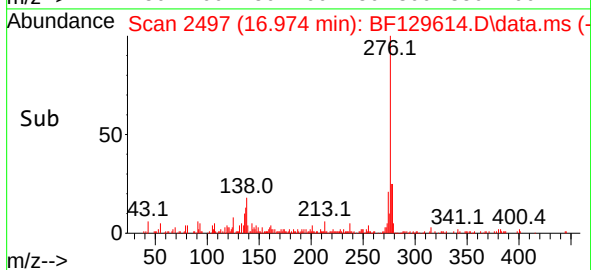
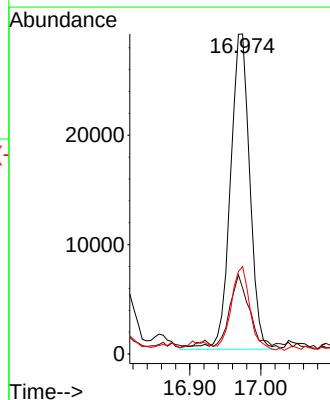
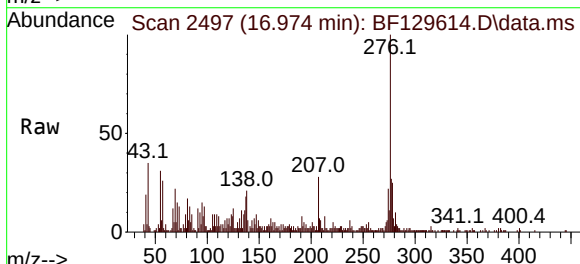
Instrument :  
BNA\_F  
ClientSampleId :  
RVE-182

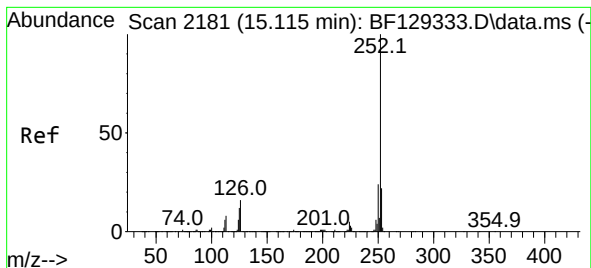
Tgt Ion:264 Resp: 270197  
Ion Ratio Lower Upper  
264 100  
260 23.3 18.4 27.6  
265 21.3 17.2 25.8



#87  
Indeno(1,2,3-cd)pyrene  
Concen: 3.016 ng  
RT: 16.974 min Scan# 2497  
Delta R.T. -0.023 min  
Lab File: BF129614.D  
Acq: 05 Aug 2022 22:58

Tgt Ion:276 Resp: 54876  
Ion Ratio Lower Upper  
276 100  
138 22.1 21.1 31.7  
277 25.3 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 9.725 ng

RT: 15.063 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129614.D

Acq: 05 Aug 2022 22:58

Instrument :

BNA\_F

ClientSampleId :

RVE-182

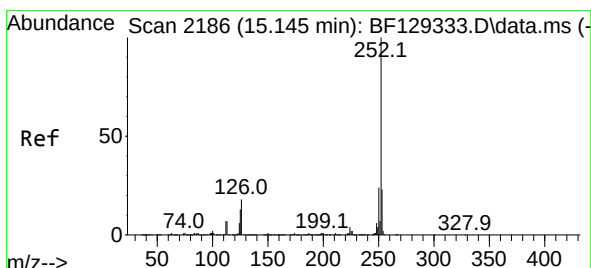
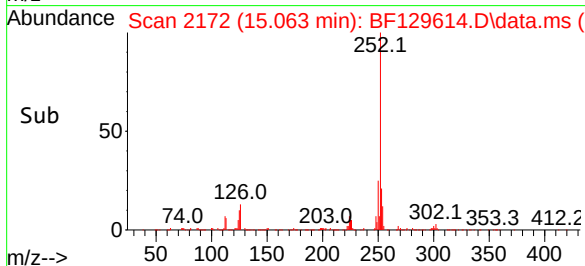
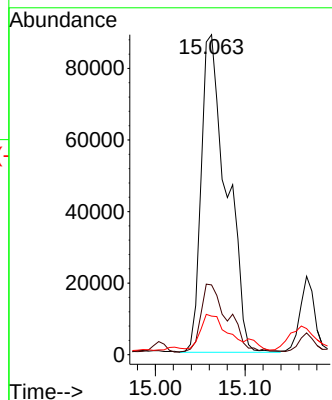
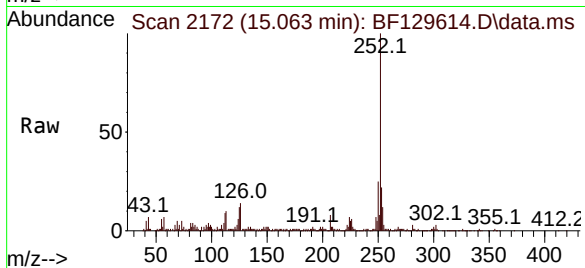
Tgt Ion:252 Resp: 174310

Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 12.1 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 9.924 ng

RT: 15.063 min Scan# 2172

Delta R.T. -0.041 min

Lab File: BF129614.D

Acq: 05 Aug 2022 22:58

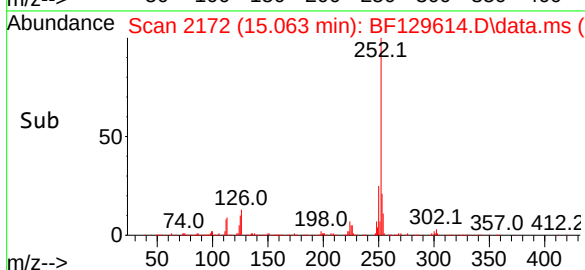
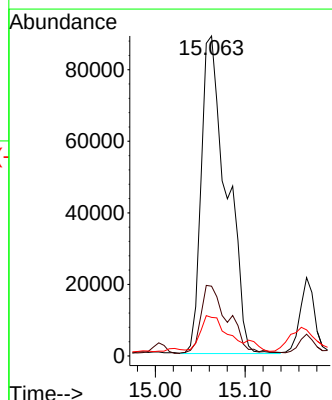
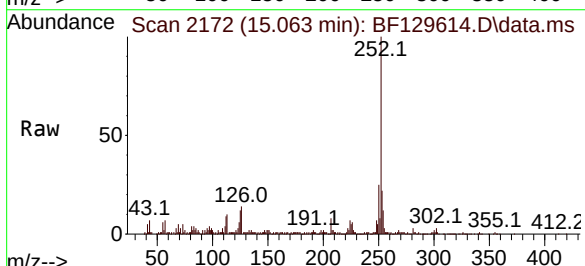
Tgt Ion:252 Resp: 174310

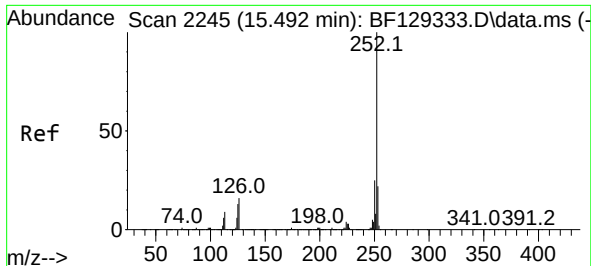
Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 12.1 8.3 12.5

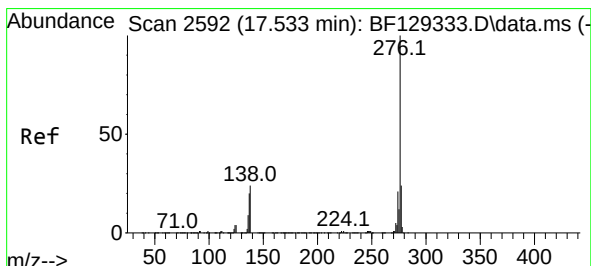
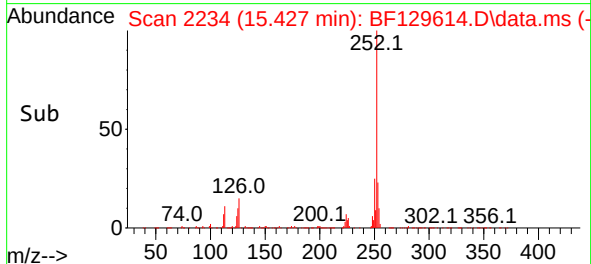
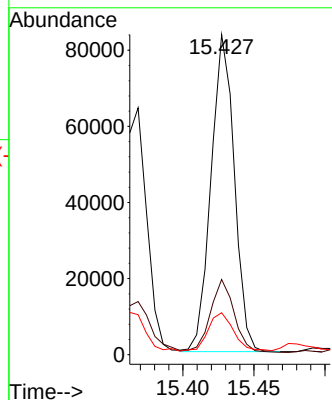
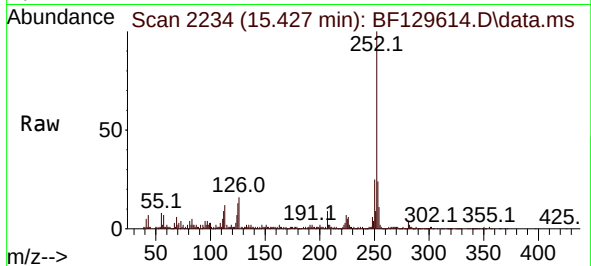




#90  
Benzo(a)pyrene  
Concen: 6.532 ng  
RT: 15.427 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF129614.D  
Acq: 05 Aug 2022 22:58

Instrument :  
BNA\_F  
ClientSampleId :  
RVE-182

Tgt Ion:252 Resp: 95031  
Ion Ratio Lower Upper  
252 100  
253 23.5 17.0 25.6  
125 13.1 8.8 13.2



#92  
Benzo(g,h,i)perylene  
Concen: 4.070 ng  
RT: 17.427 min Scan# 2574  
Delta R.T. -0.023 min  
Lab File: BF129614.D  
Acq: 05 Aug 2022 22:58

Tgt Ion:276 Resp: 61591  
Ion Ratio Lower Upper  
276 100  
277 22.1 19.1 28.7  
138 19.5 18.0 27.0

