

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080222\  
 Data File : BF129528.D  
 Acq On : 03 Aug 2022 02:28  
 Operator : CG\JU  
 Sample : N3990-03 5X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-04-080122

Quant Time: Aug 03 03:01:55 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

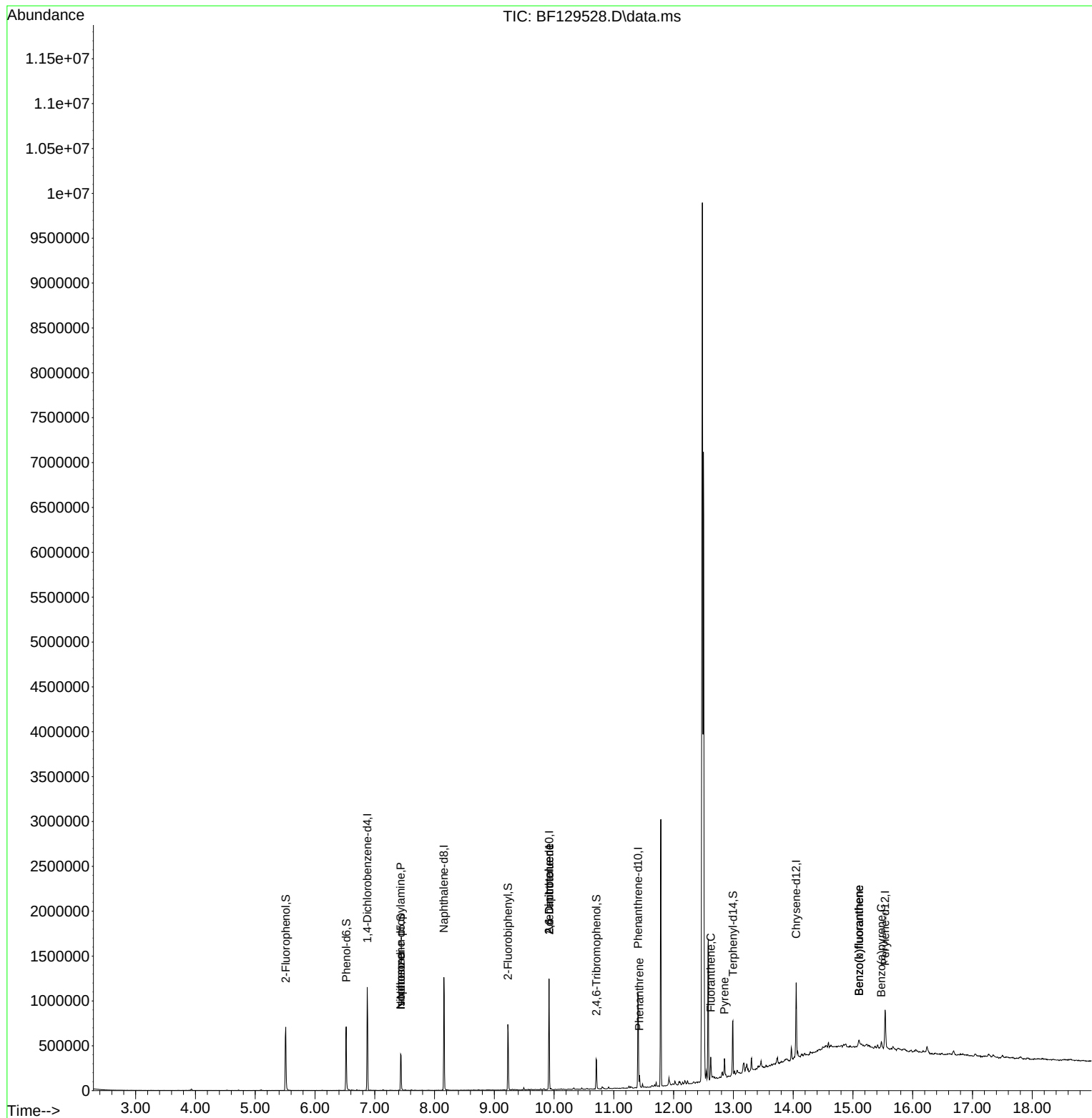
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 153104   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 524183   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.916  | 164  | 223244   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 372862   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.051 | 240  | 259069   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.539 | 264  | 192898   | 20.000 | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 195860   | 20.839 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.522  | 99   | 232425   | 19.674 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 125875   | 13.109 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 38626    | 17.996 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.228  | 172  | 213962   | 14.826 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 209723   | 15.272 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.434  | 70   | 16854    | 2.357  | ng    | # 76     |
| 25) Isophorone                | 7.434  | 82   | 125895   | 7.314  | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.916  | 165  | 28639    | 8.303  | ng    | # 25     |
| 57) 2,4-Dinitrotoluene        | 9.916  | 165  | 28639    | 6.356  | ng    | # 21     |
| 71) Phenanthrene              | 11.428 | 178  | 45648    | 2.243  | ng    | 98       |
| 75) Fluoranthene              | 12.622 | 202  | 82321    | 3.992  | ng    | 98       |
| 78) Pyrene                    | 12.851 | 202  | 71970    | 3.322  | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.104 | 252  | 46145    | 3.606  | ng    | # 71     |
| 89) Benzo(k)fluoranthene      | 15.104 | 252  | 46145    | 3.680  | ng    | # 72     |
| 90) Benzo(a)pyrene            | 15.474 | 252  | 25508    | 2.456  | ng    | # 78     |
| -----                         |        |      |          |        |       |          |

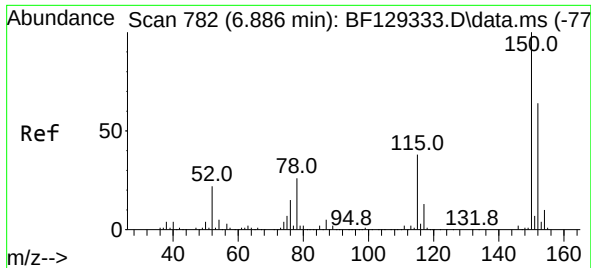
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080222\  
Data File : BF129528.D  
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Sample : N3990-03 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-080122

Quant Time: Aug 03 03:01:55 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

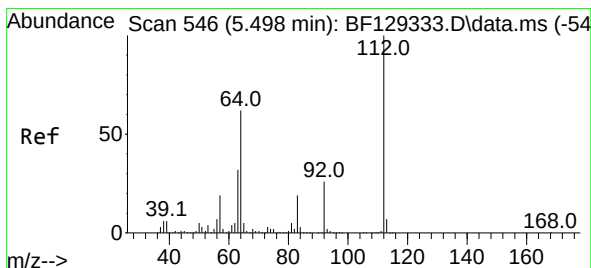
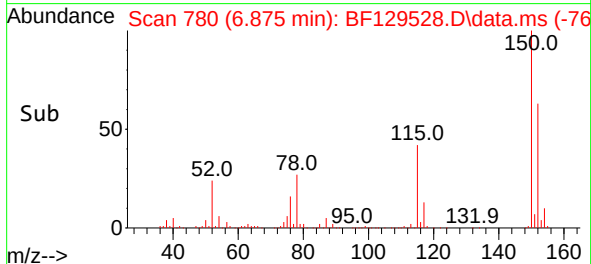
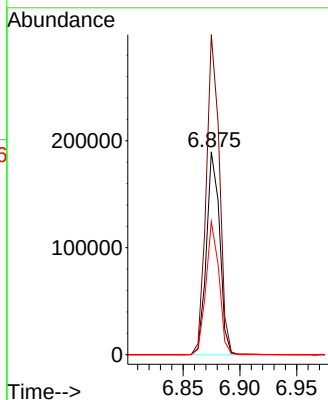
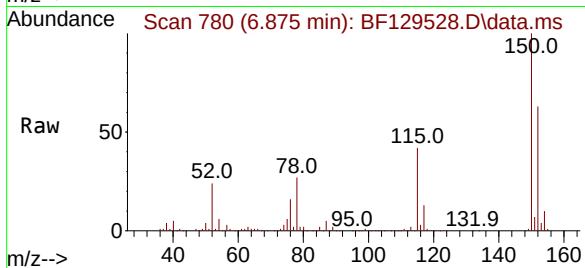




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.875 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: BF129528.D  
 Acq: 03 Aug 2022 02:28

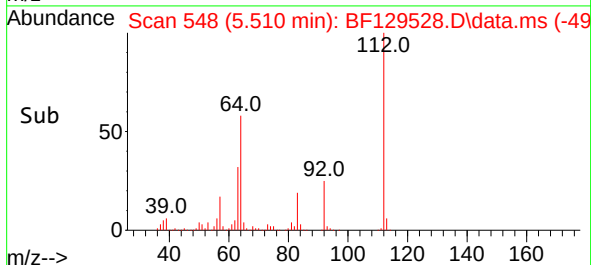
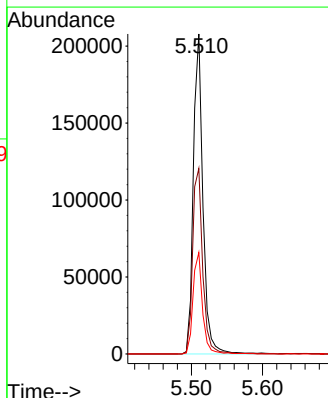
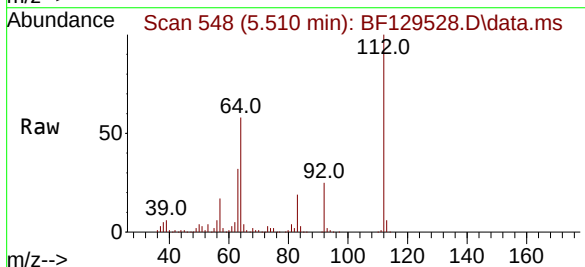
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-04-080122

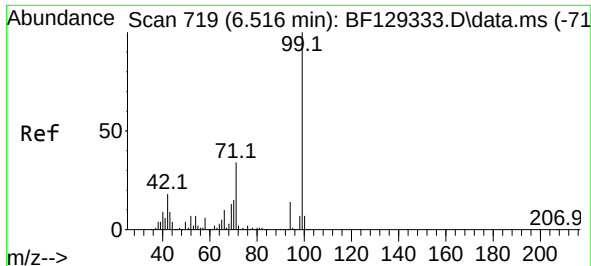
Tgt Ion:152 Resp: 153104  
 Ion Ratio Lower Upper  
 152 100  
 150 157.7 123.7 185.5  
 115 65.6 49.9 74.9



#5  
 2-Fluorophenol  
 Concen: 20.839 ng  
 RT: 5.510 min Scan# 548  
 Delta R.T. 0.006 min  
 Lab File: BF129528.D  
 Acq: 03 Aug 2022 02:28

Tgt Ion:112 Resp: 195860  
 Ion Ratio Lower Upper  
 112 100  
 64 57.9 53.3 79.9  
 63 31.7 28.0 42.0

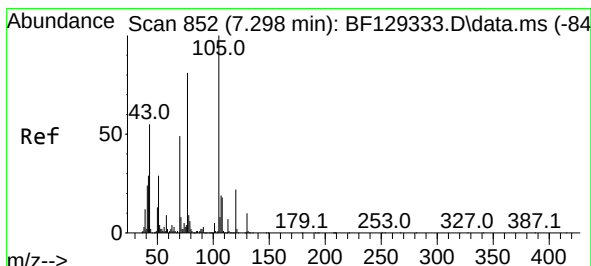
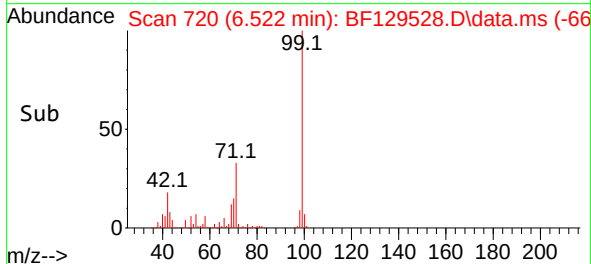
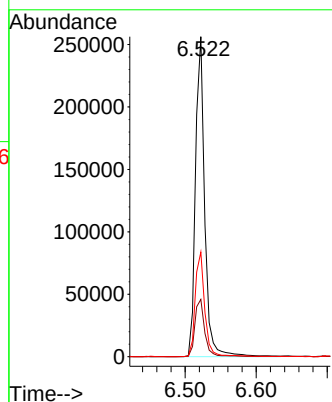
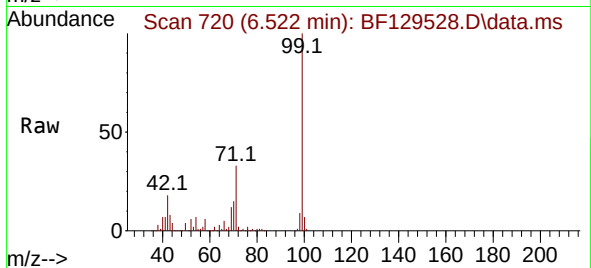




#7  
Phenol-d6  
Concen: 19.674 ng  
RT: 6.522 min Scan# 719  
Delta R.T. -0.000 min  
Lab File: BF129528.D  
Acq: 03 Aug 2022 02:28

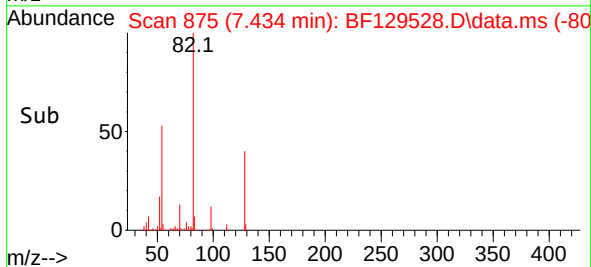
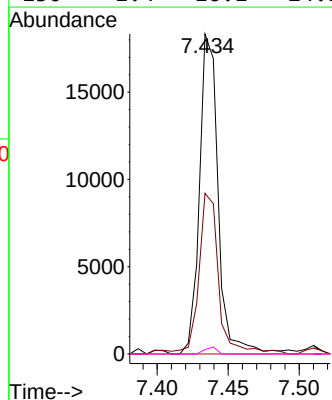
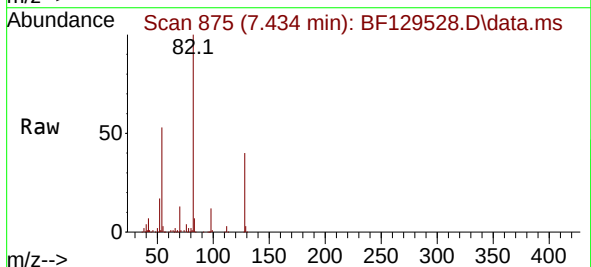
Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-080122

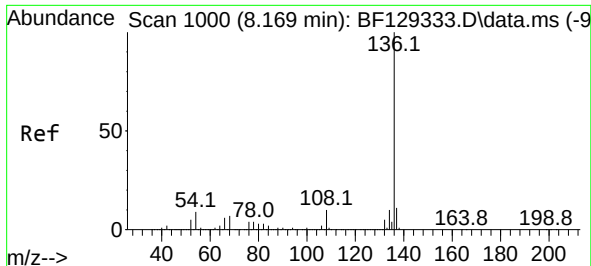
Tgt Ion: 99 Resp: 232425  
Ion Ratio Lower Upper  
99 100  
42 17.9 17.3 25.9  
71 32.7 28.9 43.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 2.357 ng  
RT: 7.434 min Scan# 875  
Delta R.T. 0.141 min  
Lab File: BF129528.D  
Acq: 03 Aug 2022 02:28

Tgt Ion: 70 Resp: 16854  
Ion Ratio Lower Upper  
70 100  
42 50.2 52.3 78.5#  
101 0.0 7.5 11.3#  
130 1.4 16.1 24.1#



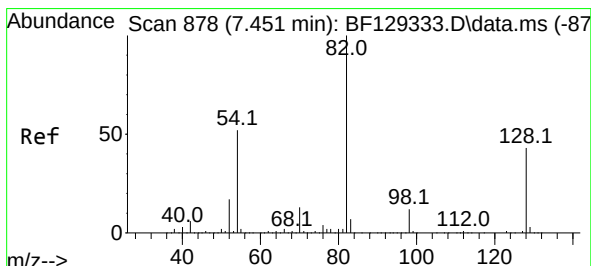
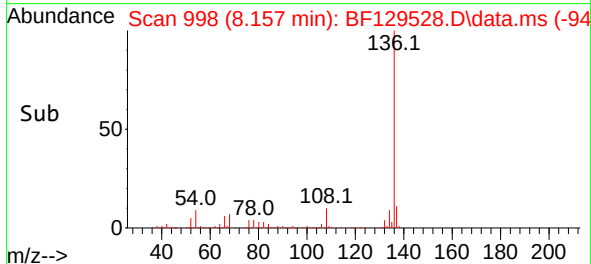
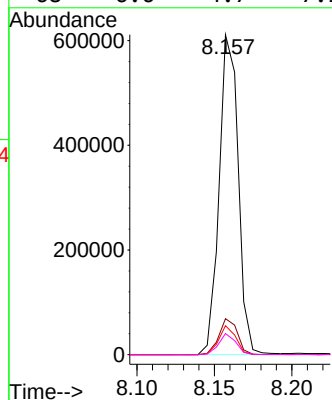
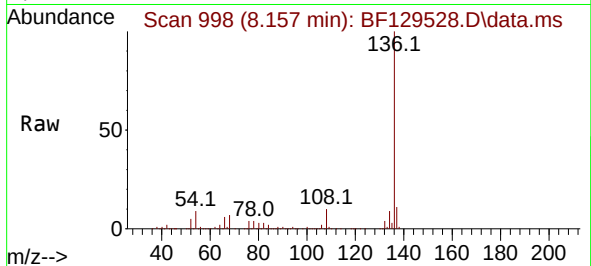


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF129528.D  
Acq: 03 Aug 2022 02:28

Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-080122

Tgt Ion:136 Resp: 524183

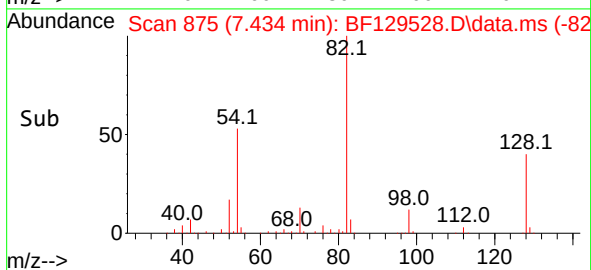
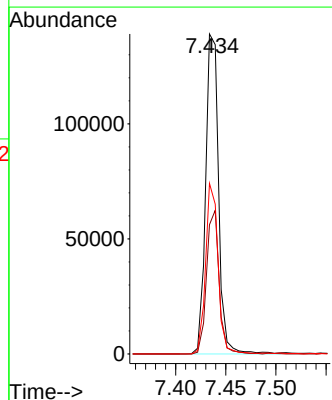
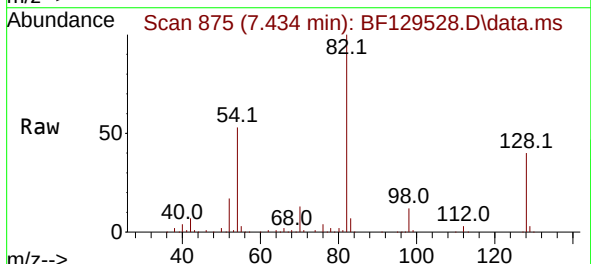
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.3  | 8.8   | 13.2  |
| 54  | 9.1   | 7.5   | 11.3  |
| 68  | 6.6   | 4.7   | 7.1   |

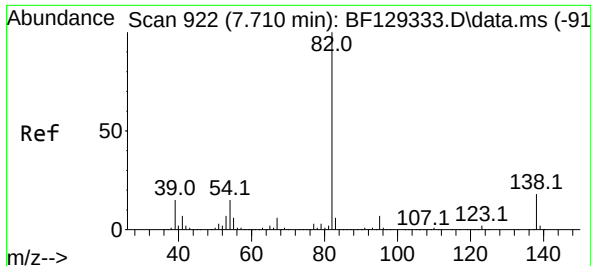


#23  
Nitrobenzene-d5  
Concen: 13.109 ng  
RT: 7.434 min Scan# 875  
Delta R.T. -0.012 min  
Lab File: BF129528.D  
Acq: 03 Aug 2022 02:28

Tgt Ion: 82 Resp: 125875

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 40.4  | 34.0  | 51.0  |
| 54  | 53.3  | 46.9  | 70.3  |

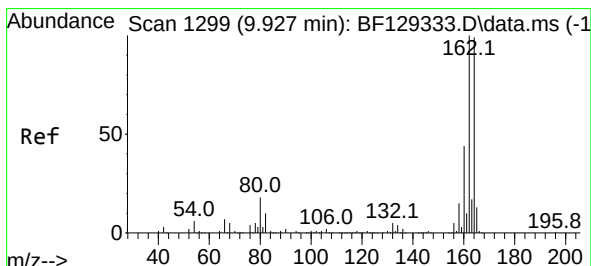
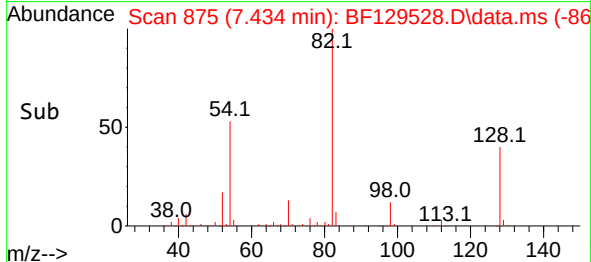
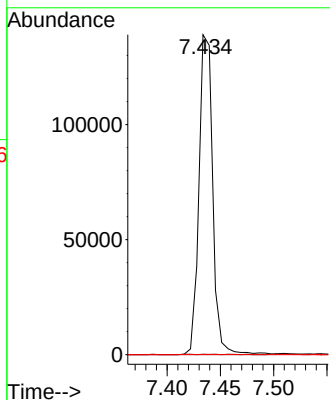
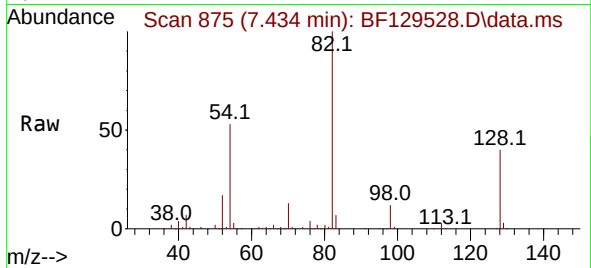




#25  
Isophorone  
Concen: 7.314 ng  
RT: 7.434 min Scan# 81  
Delta R.T. -0.265 min  
Lab File: BF129528.D  
Acq: 03 Aug 2022 02:28

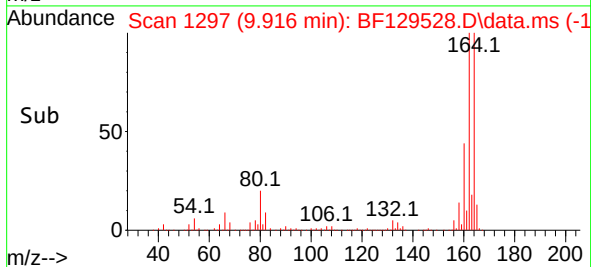
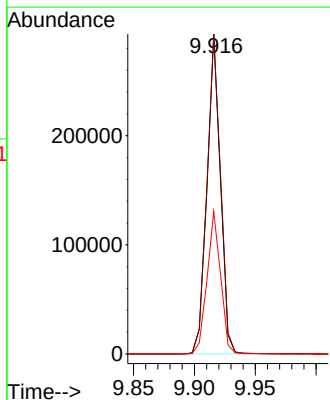
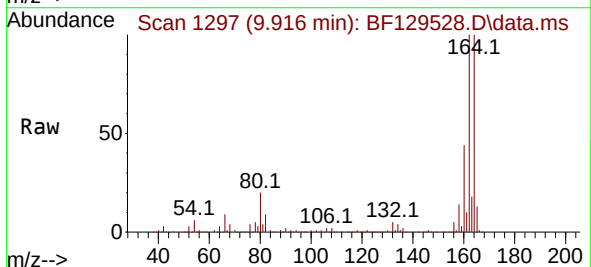
Instrument :  
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HR-04-080122

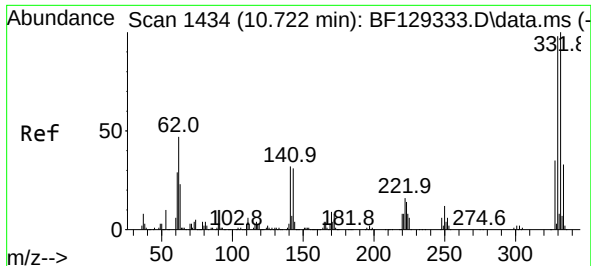
Tgt Ion: 82 Resp: 125895  
Ion Ratio Lower Upper  
82 100  
95 0.1 5.7 8.5#  
138 0.0 14.2 21.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.916 min Scan# 1297  
Delta R.T. -0.000 min  
Lab File: BF129528.D  
Acq: 03 Aug 2022 02:28

Tgt Ion: 164 Resp: 223244  
Ion Ratio Lower Upper  
164 100  
162 99.8 79.5 119.3  
160 44.5 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 17.996 ng

RT: 10.710 min Scan# 1432

Delta R.T. -0.000 min

Lab File: BF129528.D

Acq: 03 Aug 2022 02:28

Instrument :

BNA\_F

ClientSampleId :

HR-04-080122

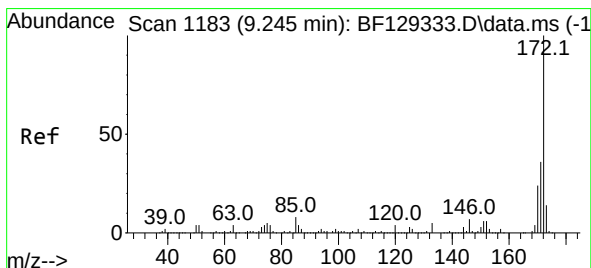
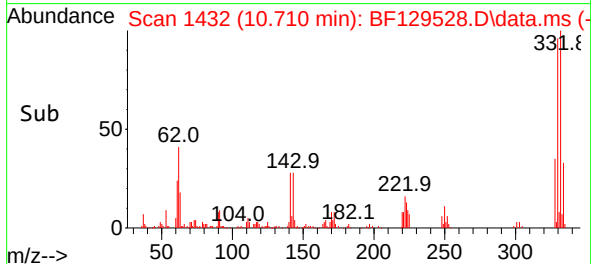
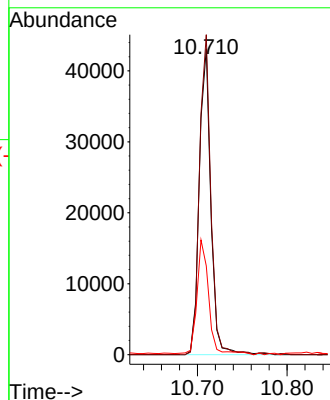
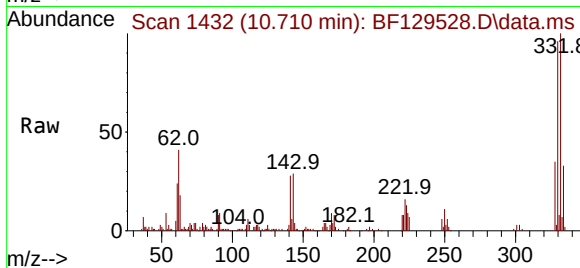
Tgt Ion:330 Resp: 38626

Ion Ratio Lower Upper

330 100

332 102.4 76.8 115.2

141 38.3 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 14.826 ng

RT: 9.228 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF129528.D

Acq: 03 Aug 2022 02:28

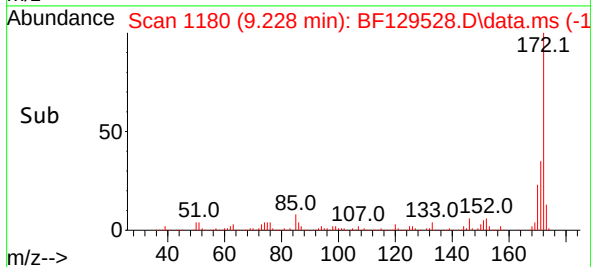
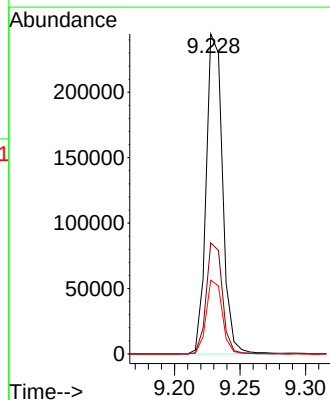
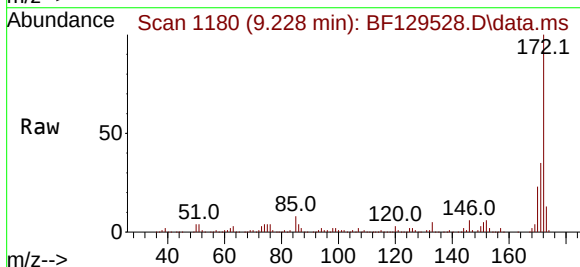
Tgt Ion:172 Resp: 213962

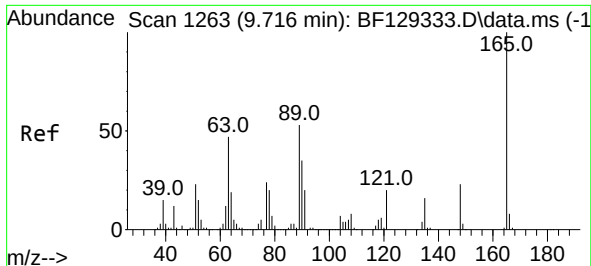
Ion Ratio Lower Upper

172 100

171 34.7 28.8 43.2

170 23.0 19.8 29.8

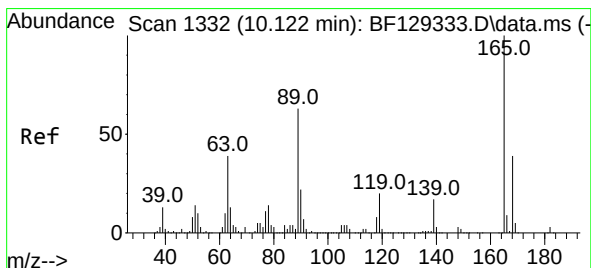
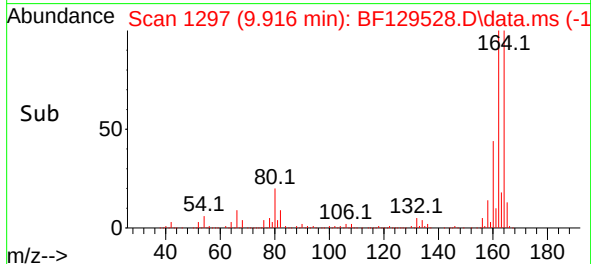
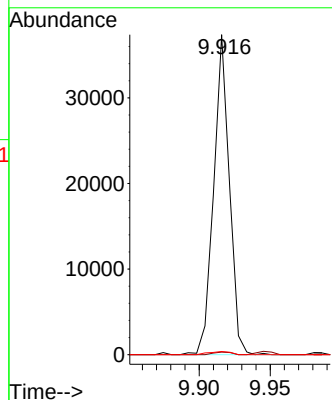
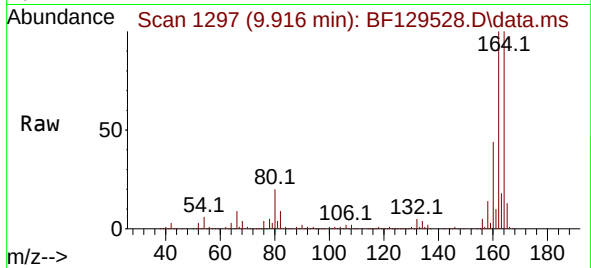




#51  
2,6-Dinitrotoluene  
Concen: 8.303 ng  
RT: 9.916 min Scan# 1297  
Delta R.T. 0.212 min  
Lab File: BF129528.D  
Acq: 03 Aug 2022 02:28

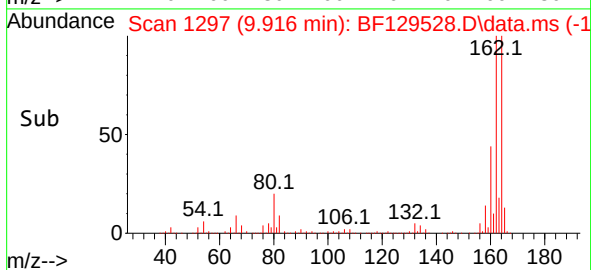
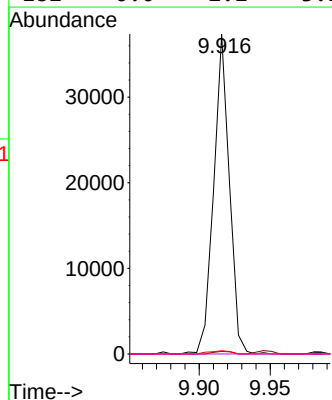
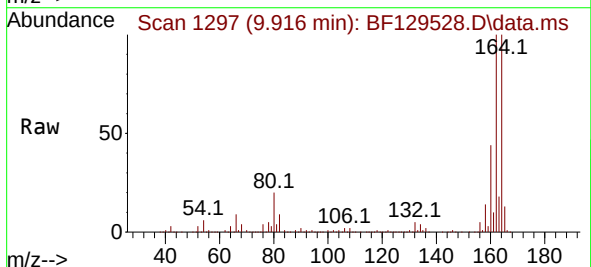
Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-080122

Tgt Ion:165 Resp: 28639  
Ion Ratio Lower Upper  
165 100  
63 0.8 44.9 67.3#  
89 1.0 43.6 65.4#

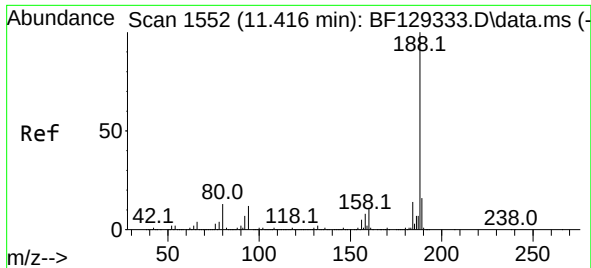


#57  
2,4-Dinitrotoluene  
Concen: 6.356 ng  
RT: 9.916 min Scan# 1297  
Delta R.T. -0.194 min  
Lab File: BF129528.D  
Acq: 03 Aug 2022 02:28

Tgt Ion:165 Resp: 28639  
Ion Ratio Lower Upper  
165 100  
63 0.8 39.8 59.6#  
89 1.0 60.2 90.2#  
182 0.0 2.2 3.2#



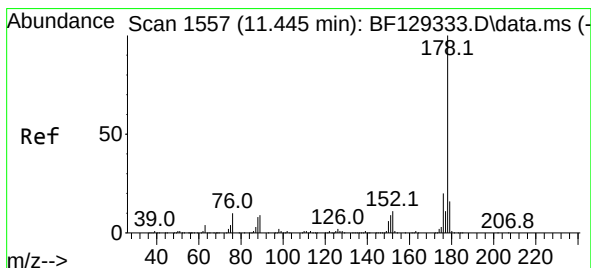
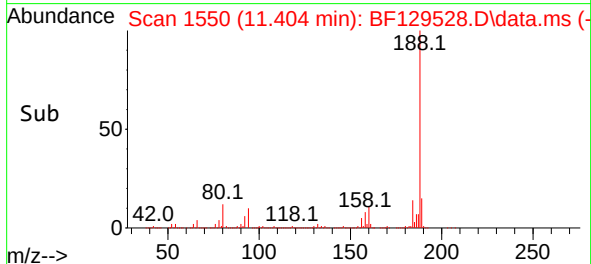
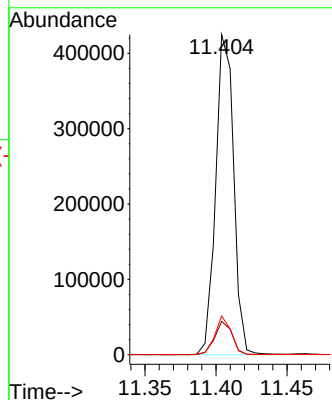
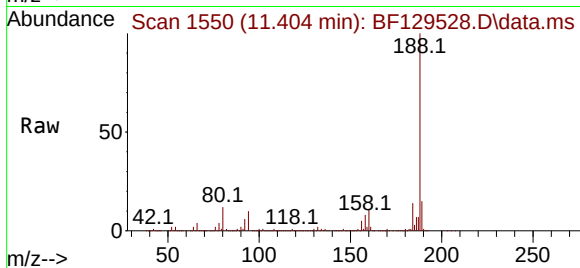




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF129528.D  
Acq: 03 Aug 2022 02:28

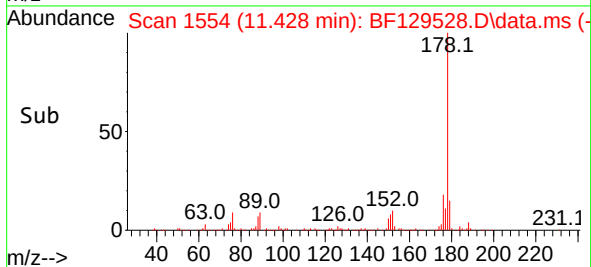
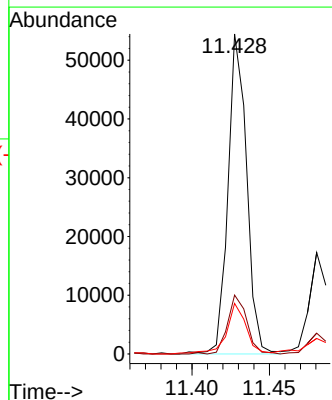
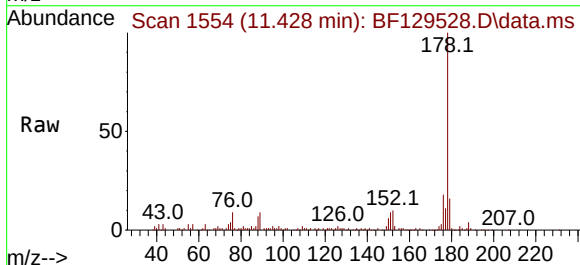
Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-080122

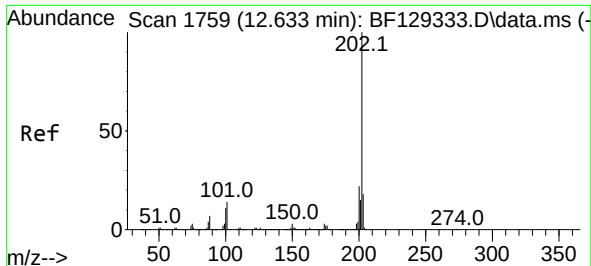
Tgt Ion:188 Resp: 372862  
Ion Ratio Lower Upper  
188 100  
94 10.4 7.0 10.6  
80 12.1 7.6 11.4#



#71  
Phenanthrene  
Concen: 2.243 ng  
RT: 11.428 min Scan# 1554  
Delta R.T. -0.006 min  
Lab File: BF129528.D  
Acq: 03 Aug 2022 02:28

Tgt Ion:178 Resp: 45648  
Ion Ratio Lower Upper  
178 100  
176 18.4 16.0 24.0  
179 15.8 12.6 19.0

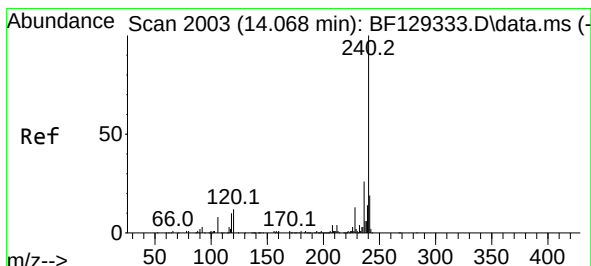
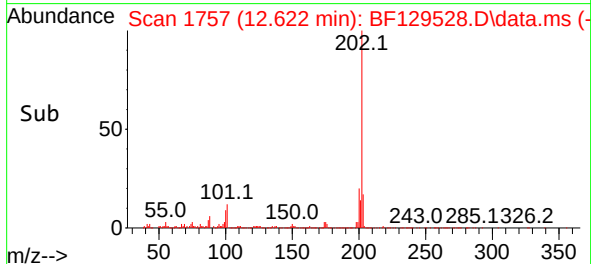
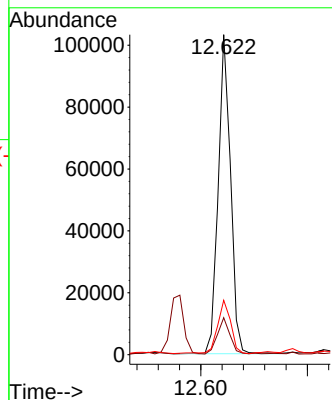
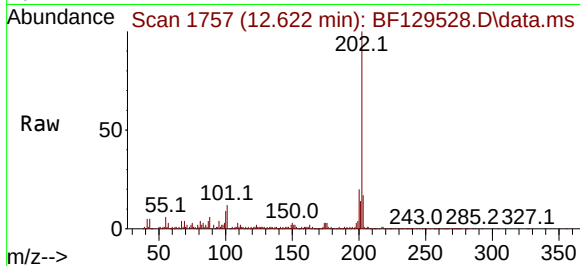




#75  
Fluoranthene  
Concen: 3.992 ng  
RT: 12.622 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: BF129528.D  
Acq: 03 Aug 2022 02:28

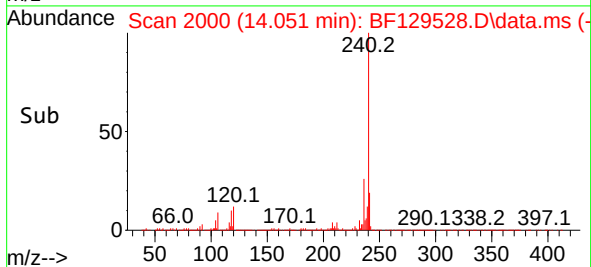
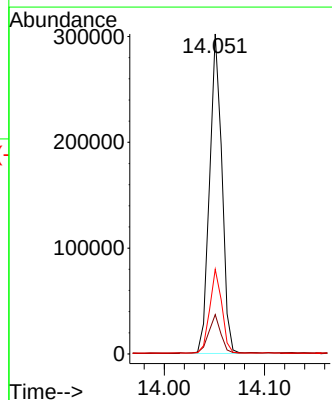
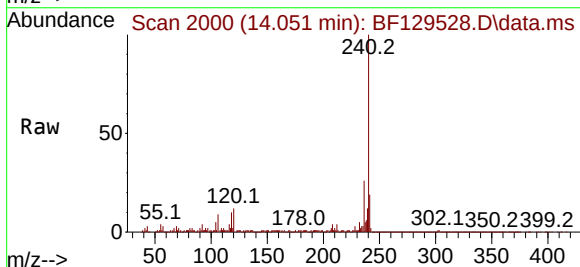
Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-080122

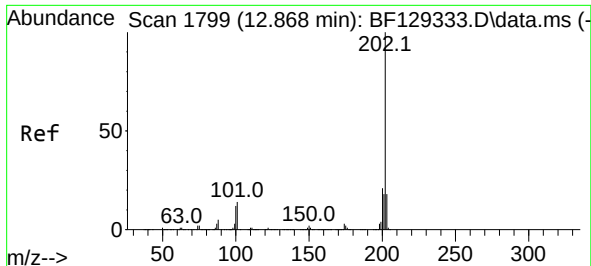
Tgt Ion:202 Resp: 82321  
Ion Ratio Lower Upper  
202 100  
101 11.6 0.0 31.4  
203 17.0 0.0 38.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2000  
Delta R.T. -0.000 min  
Lab File: BF129528.D  
Acq: 03 Aug 2022 02:28

Tgt Ion:240 Resp: 259069  
Ion Ratio Lower Upper  
240 100  
120 12.3 8.9 13.3  
236 26.5 20.8 31.2

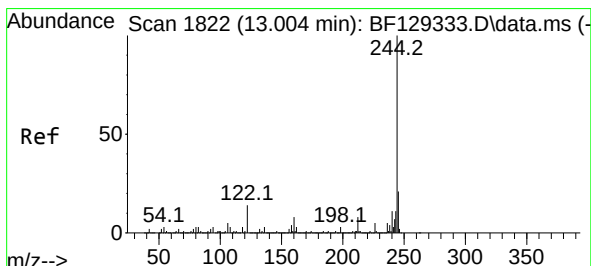
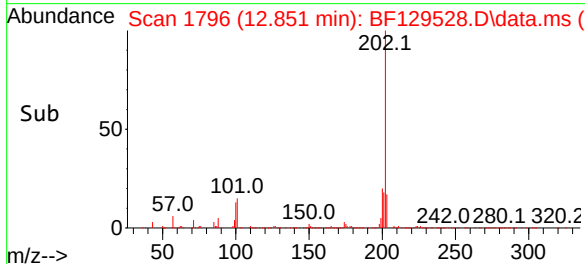
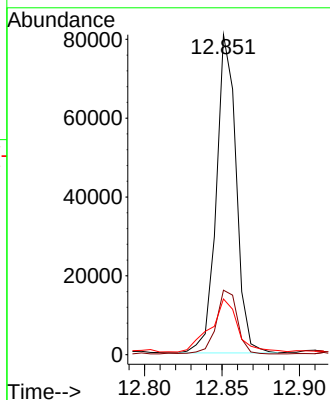
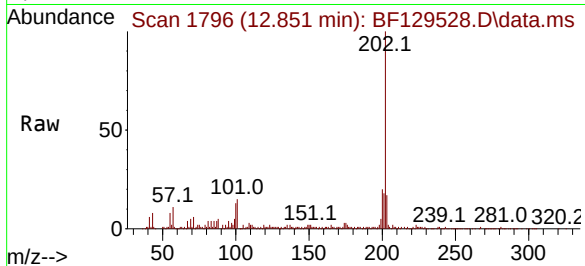




#78  
Pyrene  
Concen: 3.322 ng  
RT: 12.851 min Scan# 1796  
Delta R.T. -0.000 min  
Lab File: BF129528.D  
Acq: 03 Aug 2022 02:28

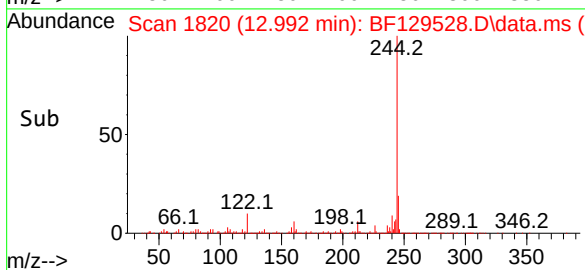
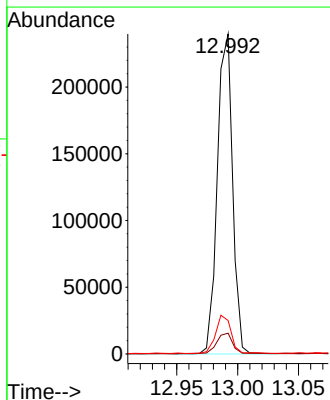
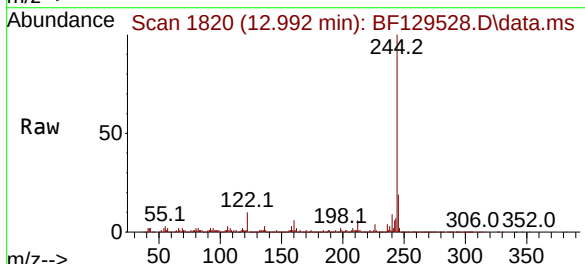
Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-080122

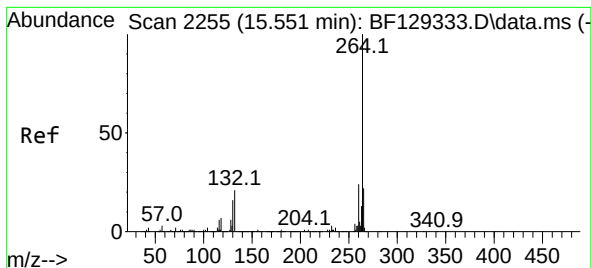
Tgt Ion:202 Resp: 71970  
Ion Ratio Lower Upper  
202 100  
200 20.1 17.7 26.5  
203 17.4 14.6 21.8



#79  
Terphenyl-d14  
Concen: 15.272 ng  
RT: 12.992 min Scan# 1820  
Delta R.T. 0.006 min  
Lab File: BF129528.D  
Acq: 03 Aug 2022 02:28

Tgt Ion:244 Resp: 209723  
Ion Ratio Lower Upper  
244 100  
212 6.5 6.1 9.1  
122 10.4 8.8 13.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF129528.D

Acq: 03 Aug 2022 02:28

Instrument :

BNA\_F

ClientSampleId :

HR-04-080122

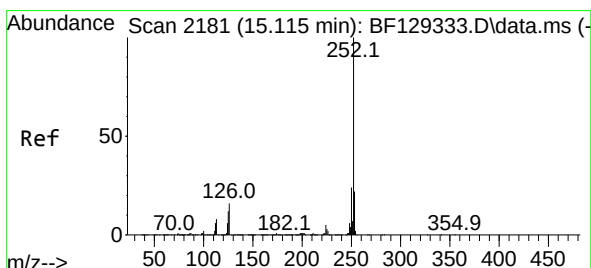
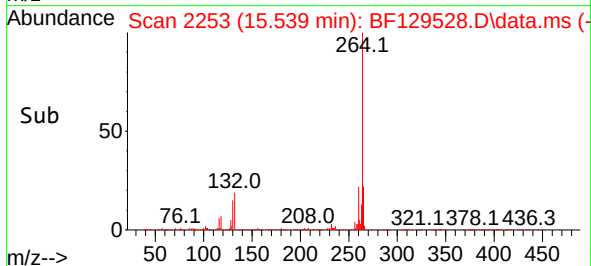
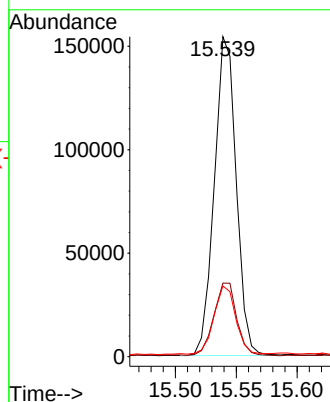
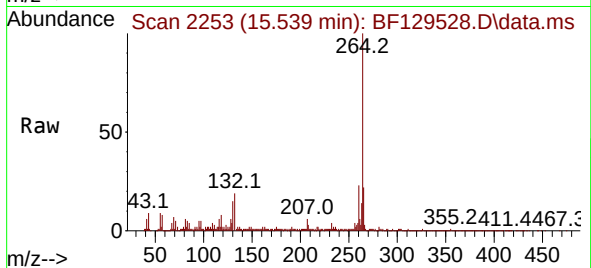
Tgt Ion:264 Resp: 192898

Ion Ratio Lower Upper

264 100

260 23.0 18.4 27.6

265 22.1 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 3.606 ng

RT: 15.104 min Scan# 2179

Delta R.T. 0.012 min

Lab File: BF129528.D

Acq: 03 Aug 2022 02:28

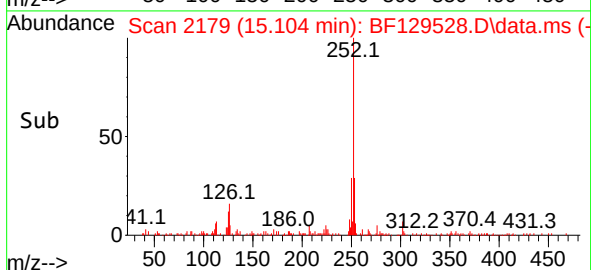
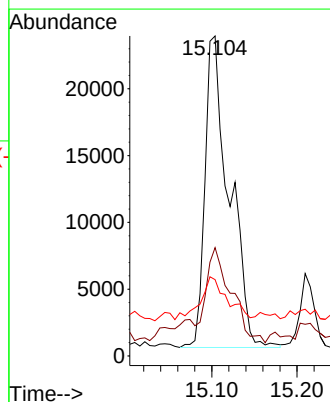
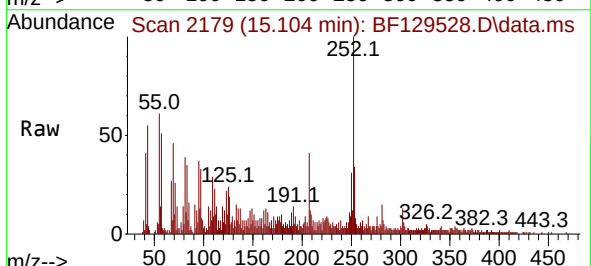
Tgt Ion:252 Resp: 46145

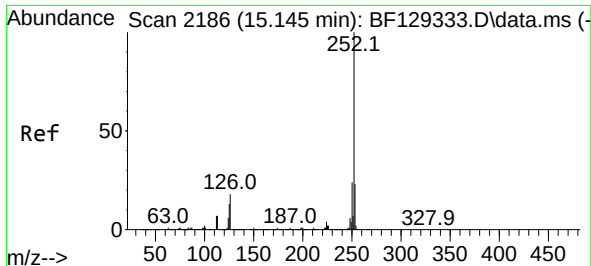
Ion Ratio Lower Upper

252 100

253 33.8 17.7 26.5#

125 23.8 8.0 12.0#

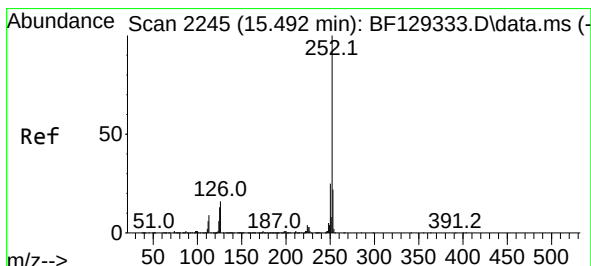
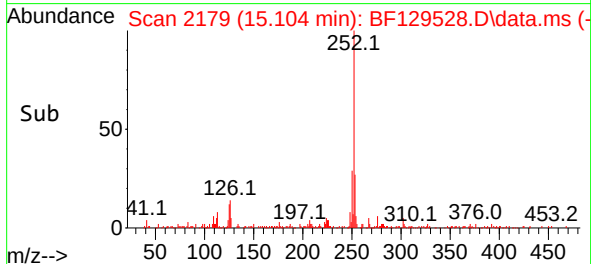
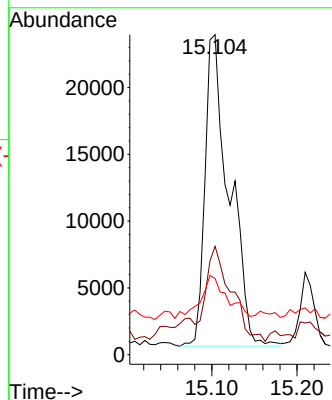
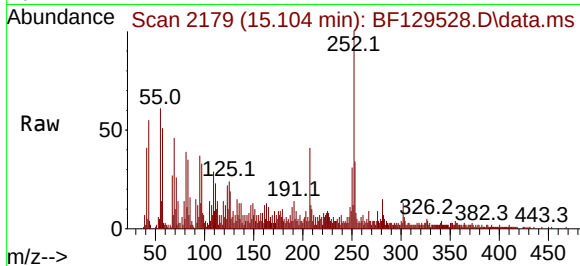




#89  
Benzo(k)fluoranthene  
Concen: 3.680 ng  
RT: 15.104 min Scan# 2186  
Delta R.T. -0.018 min  
Lab File: BF129528.D  
Acq: 03 Aug 2022 02:28

Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-080122

Tgt Ion:252 Resp: 46145  
Ion Ratio Lower Upper  
252 100  
253 33.8 17.8 26.6#  
125 23.8 8.3 12.5#



#90  
Benzo(a)pyrene  
Concen: 2.456 ng  
RT: 15.474 min Scan# 2242  
Delta R.T. 0.006 min  
Lab File: BF129528.D  
Acq: 03 Aug 2022 02:28

Tgt Ion:252 Resp: 25508  
Ion Ratio Lower Upper  
252 100  
253 27.4 17.0 25.6#  
125 26.5 8.8 13.2#

