

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070221\  
 Data File : BF124523.D  
 Acq On : 2 Jul 2021 17:48  
 Operator : JU/CG  
 Sample : M2904-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-1

Quant Time: Jul 03 01:44:42 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF062321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 02 14:41:35 2021  
 Response via : Initial Calibration

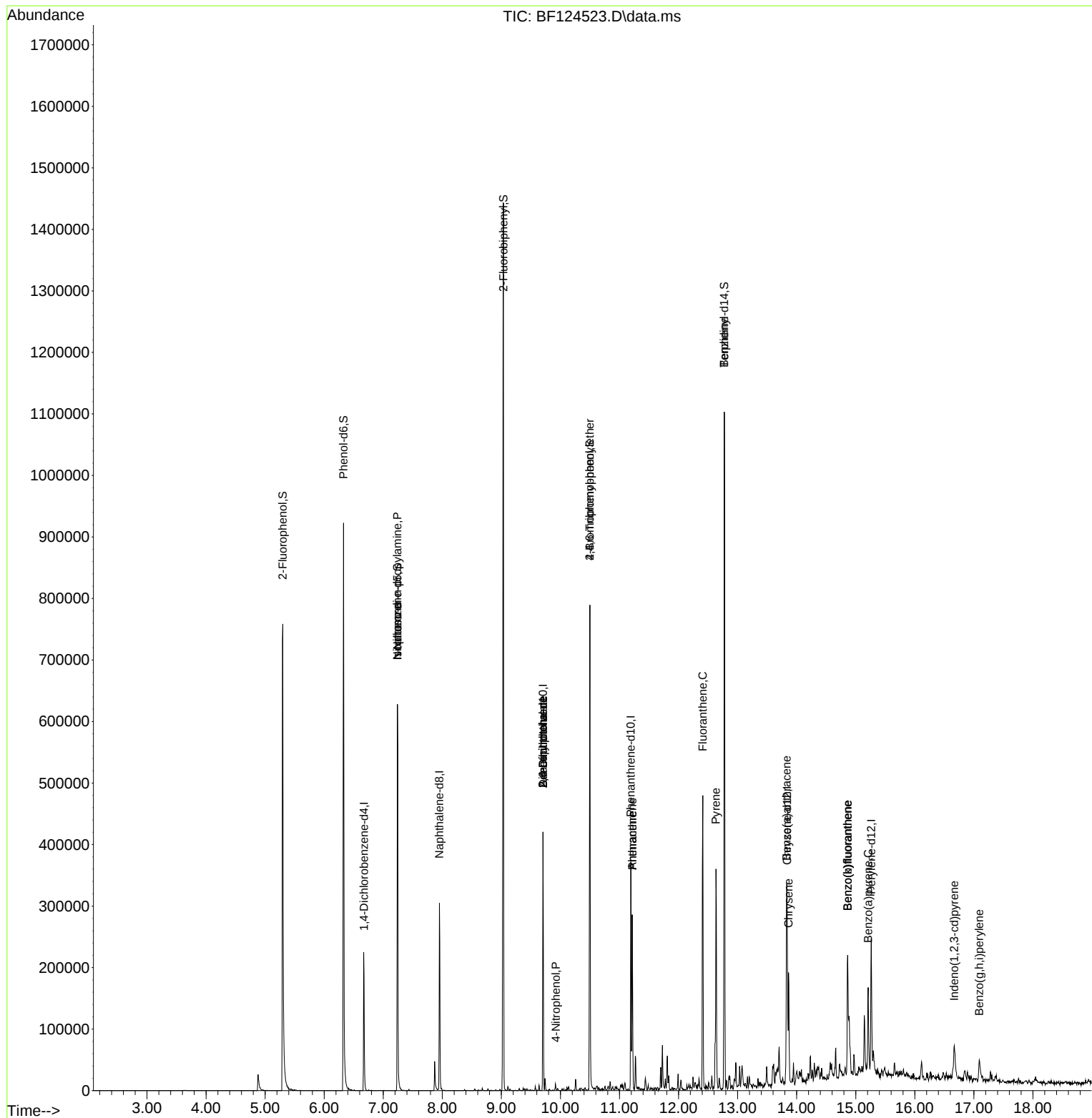
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.675  | 152  | 33148    | 20.00  | ng    | # 0.00   |
| 21) Naphthalene-d8            | 7.951  | 136  | 124882   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.704  | 164  | 72349    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.192 | 188  | 119319   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.839 | 240  | 81231    | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.262 | 264  | 81502    | 20.00  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.298  | 112  | 219160   | 103.98 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.328  | 99   | 267699   | 97.27  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.239  | 82   | 201963   | 67.05  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.498 | 330  | 77532    | 89.70  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.033  | 172  | 405326   | 68.63  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.774 | 244  | 328902   | 60.65  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.239  | 70   | 29348    | 15.86  | ng    | # 58     |
| 25) Isophorone                | 7.239  | 82   | 201963   | 39.00  | ng    | # 69     |
| 50) Dimethylphthalate         | 9.704  | 163  | 15236    | 2.67   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.704  | 165  | 9577     | 7.27   | ng    | # 10     |
| 56) 4-Nitrophenol             | 9.922  | 139  | 1469     | 2.40   | ng    | # 1      |
| 57) 2,4-Dinitrotoluene        | 9.704  | 165  | 9577     | 5.48   | ng    | # 15     |
| 67) 4-Bromophenyl-phenylether | 10.498 | 248  | 5611     | 3.50   | ng    | # 1      |
| 71) Phenanthrene              | 11.216 | 178  | 93411    | 12.42  | ng    | 99       |
| 72) Anthracene                | 11.216 | 178  | 93411    | 12.46  | ng    | 100      |
| 75) Fluoranthene              | 12.410 | 202  | 172298   | 22.76  | ng    | 96       |
| 77) Benzidine                 | 12.774 | 184  | 4767     | 2.93   | ng    | # 87     |
| 78) Pyrene                    | 12.633 | 202  | 142920   | 19.27  | ng    | 97       |
| 81) Benzo(a)anthracene        | 13.827 | 228  | 79138    | 13.51  | ng    | 97       |
| 83) Chrysene                  | 13.863 | 228  | 66399    | 11.44  | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.668 | 276  | 35300    | 5.49   | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 14.863 | 252  | 132308   | 21.42  | ng    | 97       |
| 89) Benzo(k)fluoranthene      | 14.863 | 252  | 132308   | 23.42  | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.210 | 252  | 67555    | 12.31  | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.092 | 276  | 28086    | 5.16   | ng    | # 96     |
| -----                         |        |      |          |        |       |          |

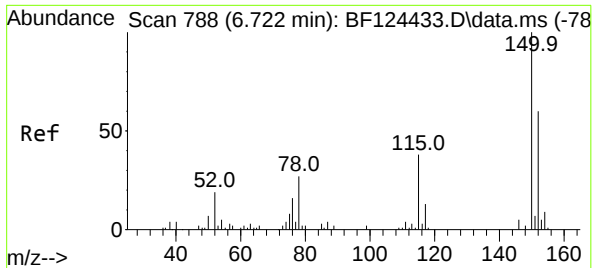
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M2904-01  
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Instrument :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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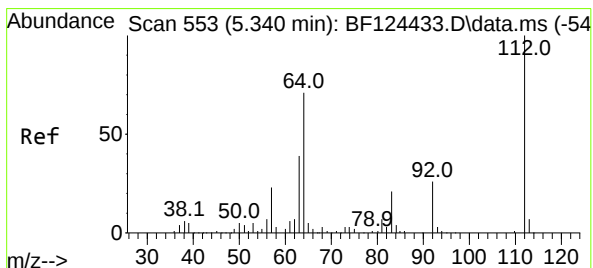
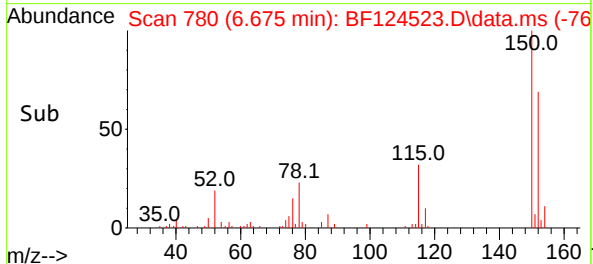
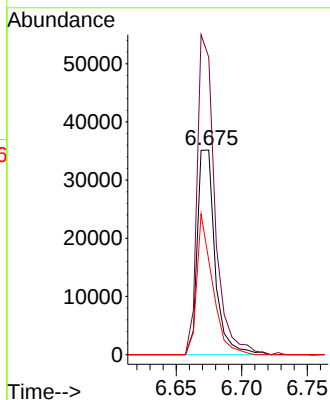
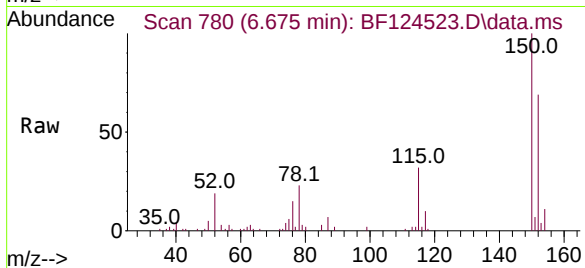




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.675 min Scan# 780  
Delta R.T. -0.000 min  
Lab File: BF124523.D  
Acq: 2 Jul 2021 17:48

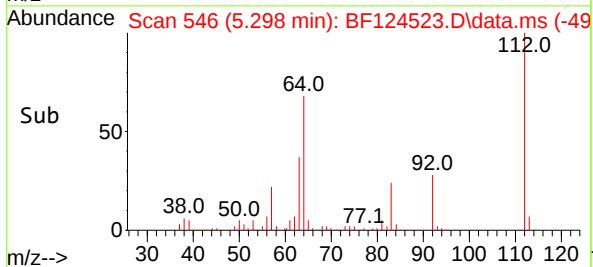
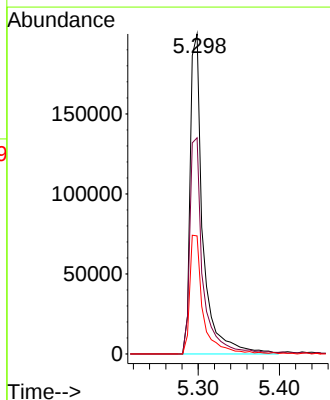
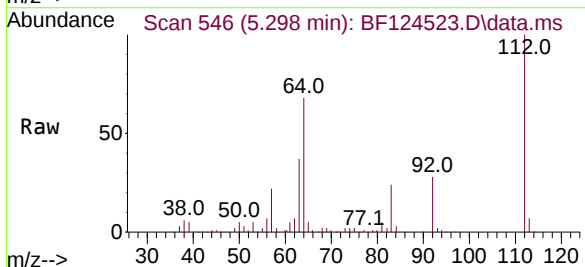
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BNA\_F  
ClientSampleId :  
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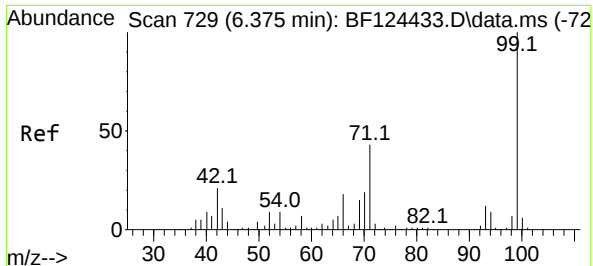
Tgt Ion:152 Resp: 33148  
Ion Ratio Lower Upper  
152 100  
150 145.4 127.0 190.6  
115 46.0 54.3 81.5#



#5  
2-Fluorophenol  
Concen: 103.98 ng  
RT: 5.298 min Scan# 546  
Delta R.T. 0.006 min  
Lab File: BF124523.D  
Acq: 2 Jul 2021 17:48

Tgt Ion:112 Resp: 219160  
Ion Ratio Lower Upper  
112 100  
64 67.5 61.4 92.0  
63 36.9 33.0 49.4

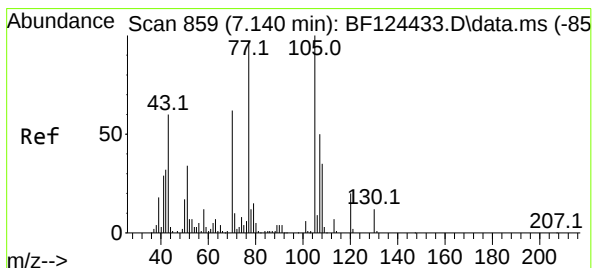
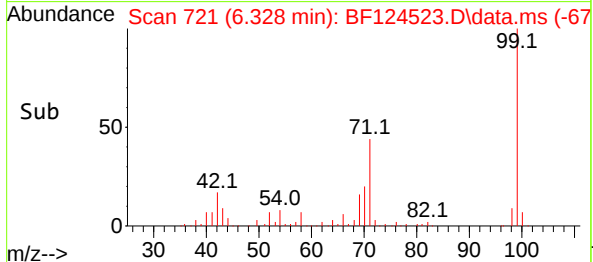
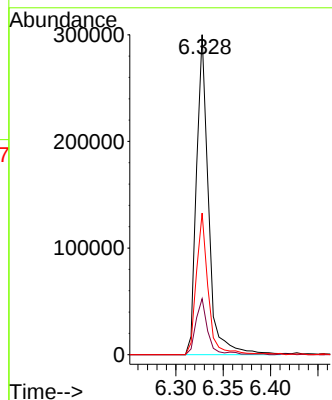
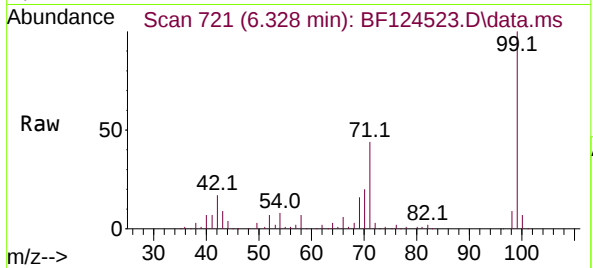




#7  
Phenol-d6  
Concen: 97.27 ng  
RT: 6.328 min Scan# 721  
Delta R.T. -0.006 min  
Lab File: BF124523.D  
Acq: 2 Jul 2021 17:48

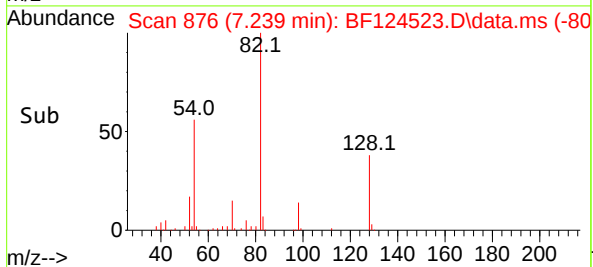
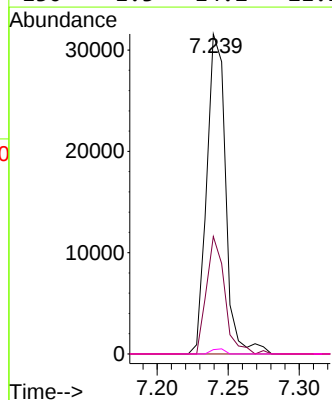
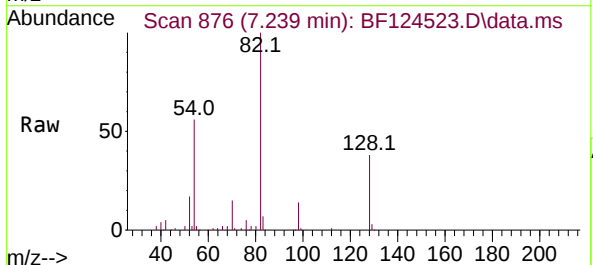
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ClientSampleId :  
COMP-1

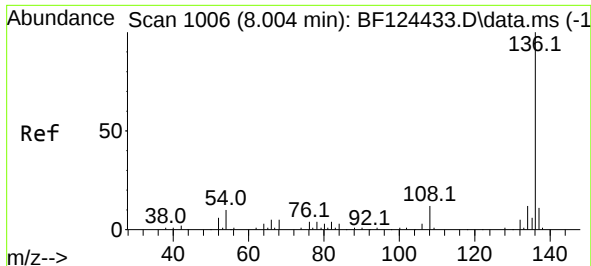
Tgt Ion: 99 Resp: 267699  
Ion Ratio Lower Upper  
99 100  
42 17.5 19.8 29.8#  
71 44.2 31.1 46.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 15.86 ng  
RT: 7.239 min Scan# 876  
Delta R.T. 0.141 min  
Lab File: BF124523.D  
Acq: 2 Jul 2021 17:48

Tgt Ion: 70 Resp: 29348  
Ion Ratio Lower Upper  
70 100  
42 36.7 60.1 90.1#  
101 0.0 7.4 11.2#  
130 1.3 14.2 21.2#

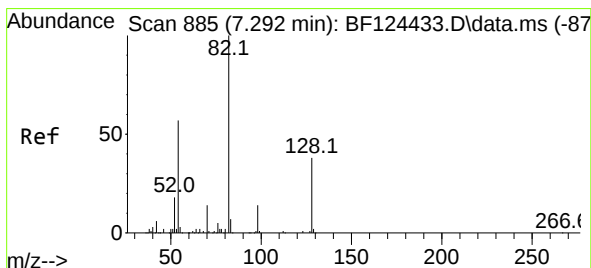
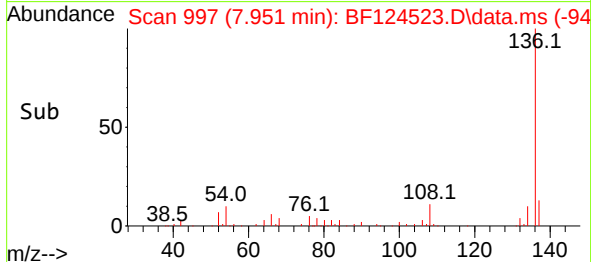
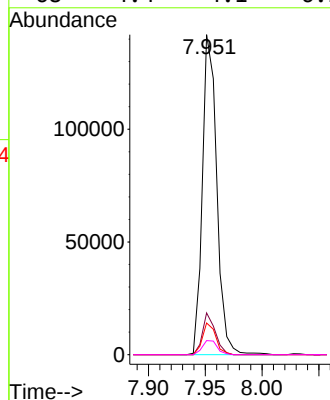
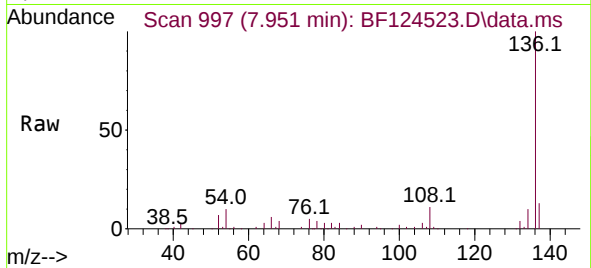




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.951 min Scan# 997  
Delta R.T. -0.006 min  
Lab File: BF124523.D  
Acq: 2 Jul 2021 17:48

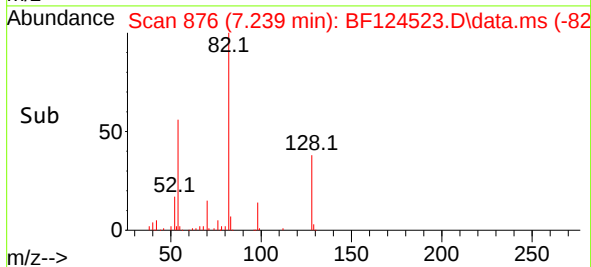
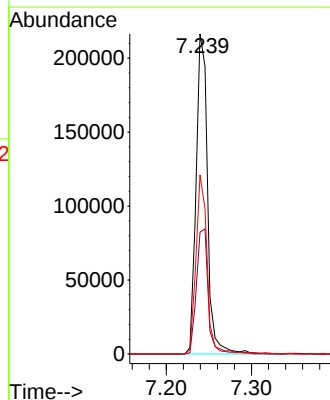
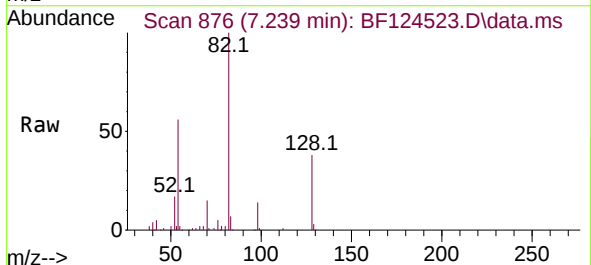
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ClientSampleId :  
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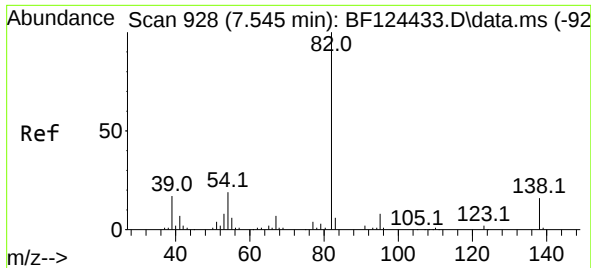
|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 124882 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 13.1    | 8.7 13.1     |
| 54 9.9      | 9.8 14.6     |
| 68 4.4      | 4.1 6.1      |



#23  
Nitrobenzene-d5  
Concen: 67.05 ng  
RT: 7.239 min Scan# 876  
Delta R.T. -0.012 min  
Lab File: BF124523.D  
Acq: 2 Jul 2021 17:48

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 201963 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 38.1    | 29.4 44.2    |
| 54 55.9     | 54.1 81.1    |

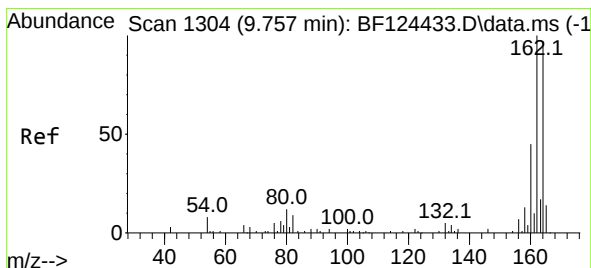
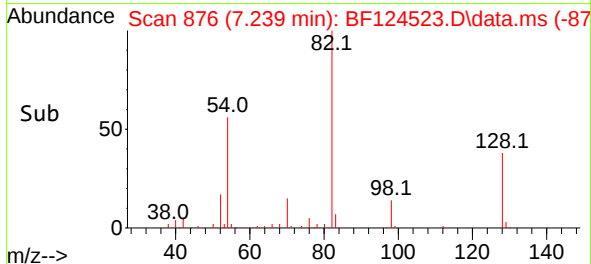
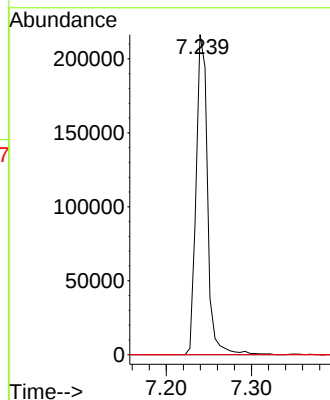
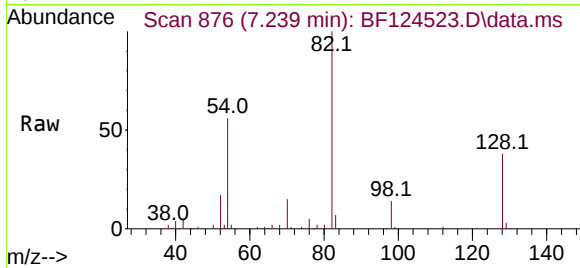




#25  
Isophorone  
Concen: 39.00 ng  
RT: 7.239 min Scan# 876  
Delta R.T. -0.265 min  
Lab File: BF124523.D  
Acq: 2 Jul 2021 17:48

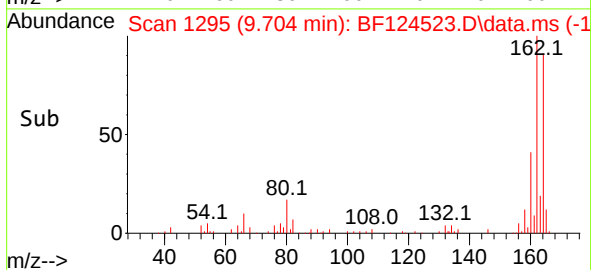
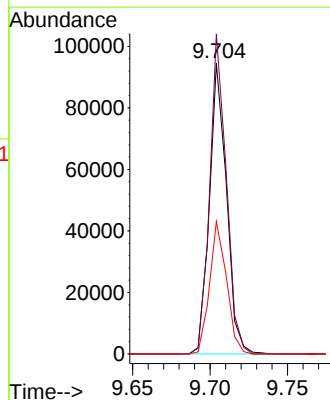
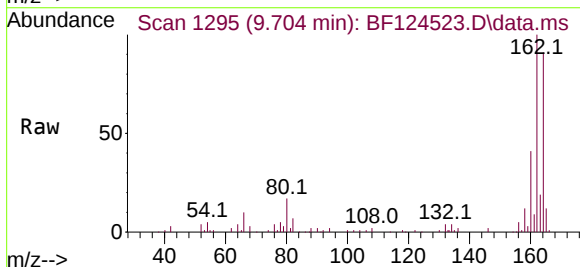
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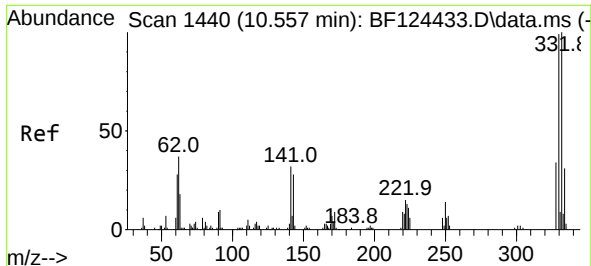
Tgt Ion: 82 Resp: 201963  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.6#  
138 0.0 11.8 17.8#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.704 min Scan# 1295  
Delta R.T. -0.006 min  
Lab File: BF124523.D  
Acq: 2 Jul 2021 17:48

Tgt Ion: 164 Resp: 72349  
Ion Ratio Lower Upper  
164 100  
162 110.1 80.7 121.1  
160 45.6 37.3 55.9

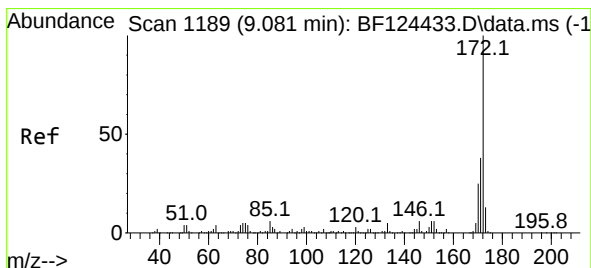
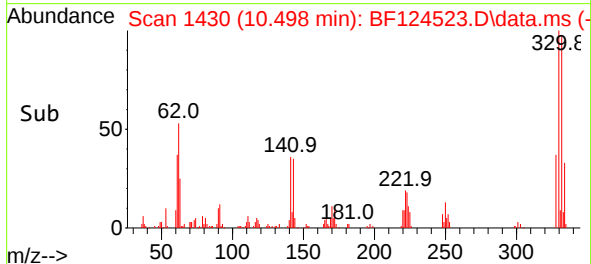
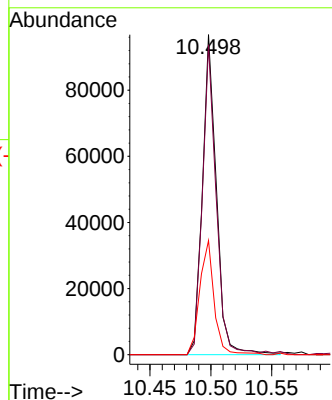
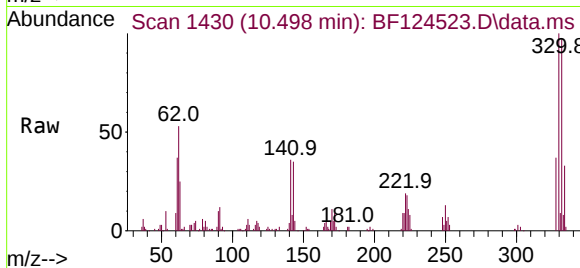




#42  
2,4,6-Tribromophenol  
Concen: 89.70 ng  
RT: 10.498 min Scan# 1430  
Delta R.T. -0.006 min  
Lab File: BF124523.D  
Acq: 2 Jul 2021 17:48

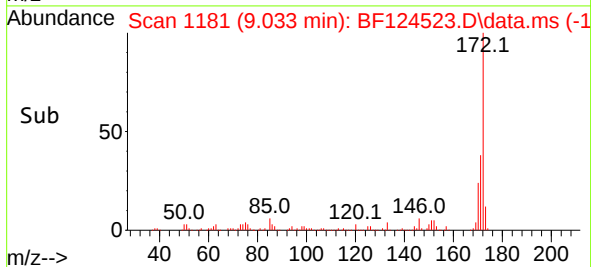
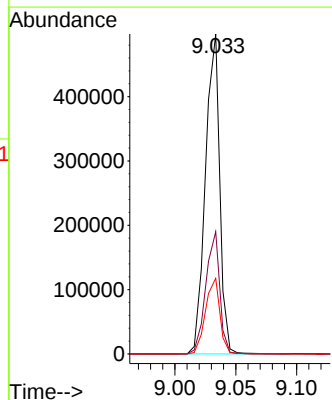
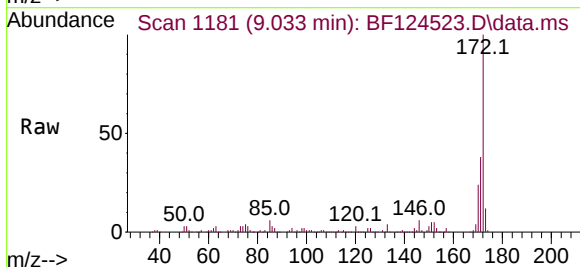
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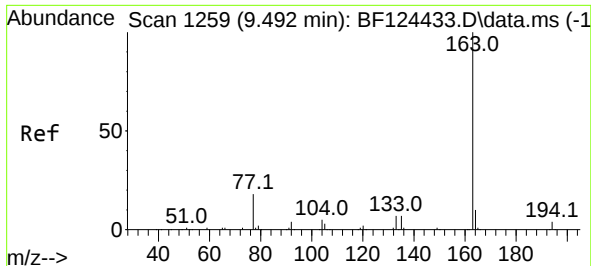
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Ion Ratio Lower Upper  
330 100  
332 96.2 77.1 115.7  
141 36.8 27.9 41.9



#45  
2-Fluorobiphenyl  
Concen: 68.63 ng  
RT: 9.033 min Scan# 1181  
Delta R.T. -0.000 min  
Lab File: BF124523.D  
Acq: 2 Jul 2021 17:48

Tgt Ion: 172 Resp: 405326  
Ion Ratio Lower Upper  
172 100  
171 38.2 28.1 42.1  
170 23.7 19.2 28.8

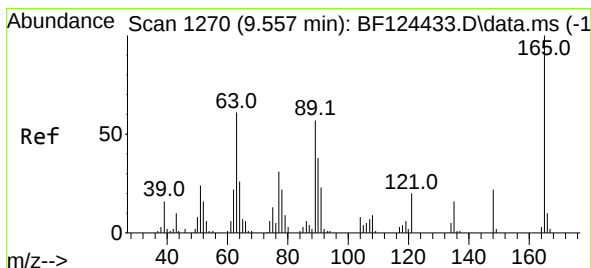
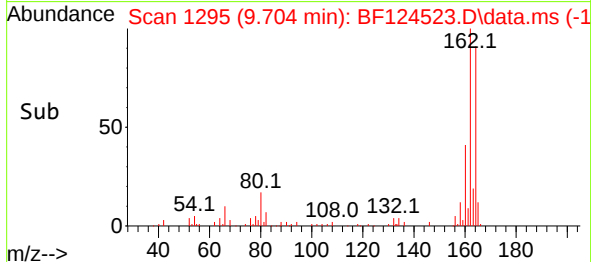
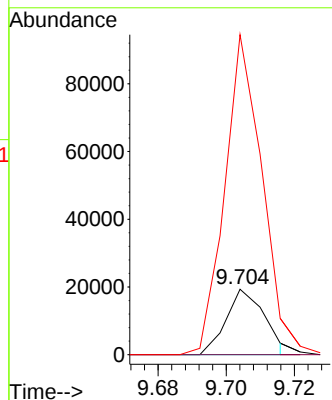
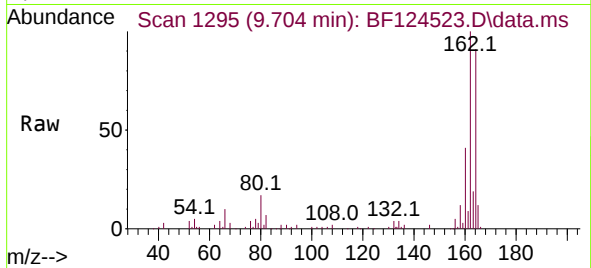




#50  
Dimethylphthalate  
Concen: 2.67 ng  
RT: 9.704 min Scan# 1295  
Delta R.T. 0.259 min  
Lab File: BF124523.D  
Acq: 2 Jul 2021 17:48

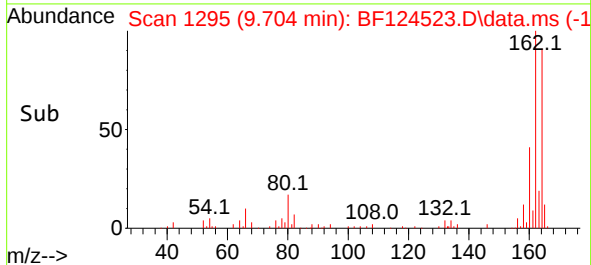
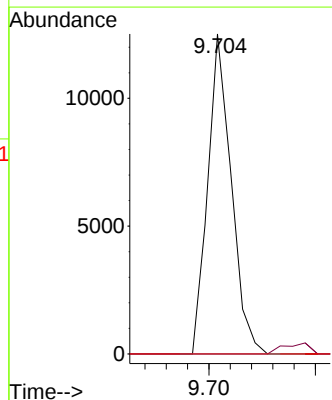
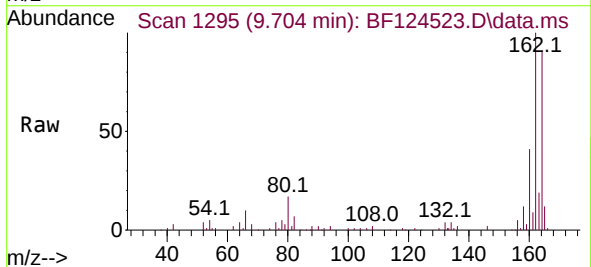
Instrument :  
BNA\_F  
ClientSampleId :  
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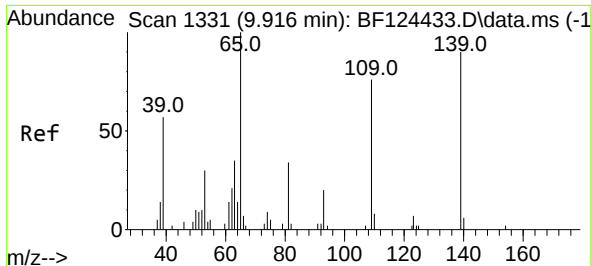
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Ion Ratio Lower Upper  
163 100  
194 0.0 3.1 4.7#  
164 488.6 8.2 12.2#



#51  
2,6-Dinitrotoluene  
Concen: 7.27 ng  
RT: 9.704 min Scan# 1295  
Delta R.T. 0.194 min  
Lab File: BF124523.D  
Acq: 2 Jul 2021 17:48

Tgt Ion:165 Resp: 9577  
Ion Ratio Lower Upper  
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63 0.0 67.7 101.5#  
89 0.0 58.8 88.2#

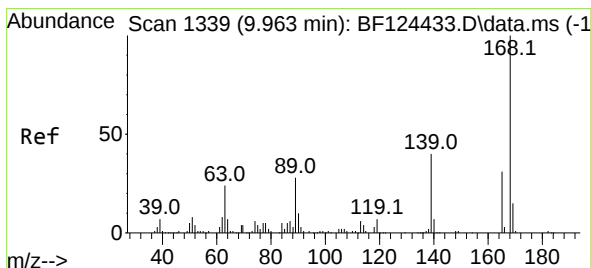
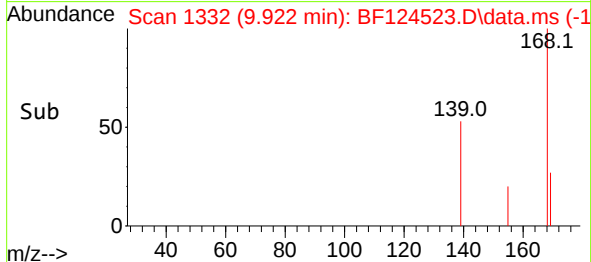
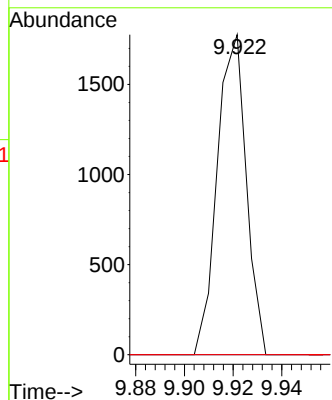
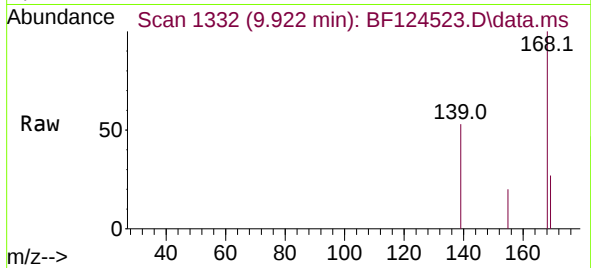




#56  
4-Nitrophenol  
Concen: 2.40 ng  
RT: 9.922 min Scan# 1332  
Delta R.T. 0.047 min  
Lab File: BF124523.D  
Acq: 2 Jul 2021 17:48

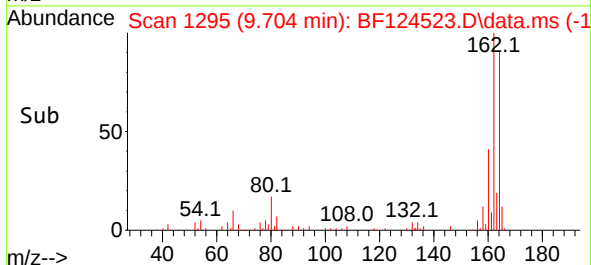
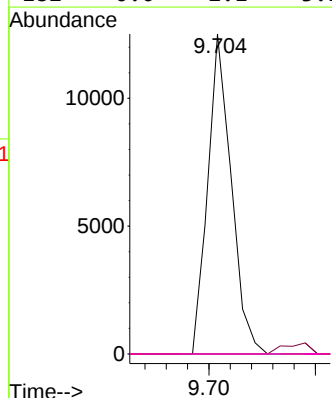
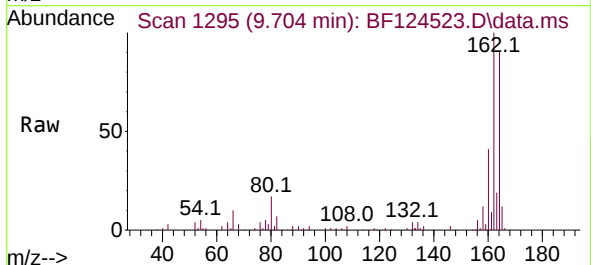
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-1

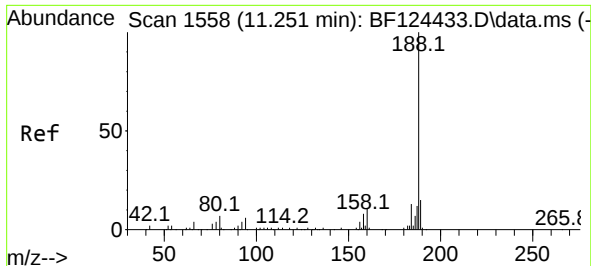
Tgt Ion:139 Resp: 1469  
Ion Ratio Lower Upper  
139 100  
109 0.0 63.2 103.2#  
65 0.0 110.0 150.0#



#57  
2,4-Dinitrotoluene  
Concen: 5.48 ng  
RT: 9.704 min Scan# 1295  
Delta R.T. -0.218 min  
Lab File: BF124523.D  
Acq: 2 Jul 2021 17:48

Tgt Ion:165 Resp: 9577  
Ion Ratio Lower Upper  
165 100  
63 0.0 43.5 65.3#  
89 0.0 67.7 101.5#  
182 0.0 2.1 3.1#

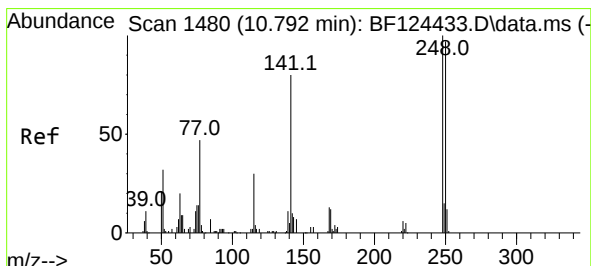
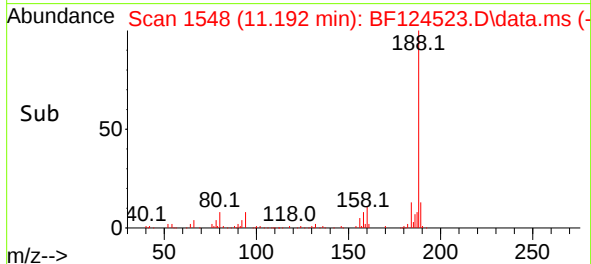
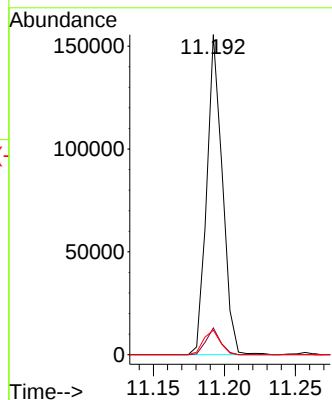
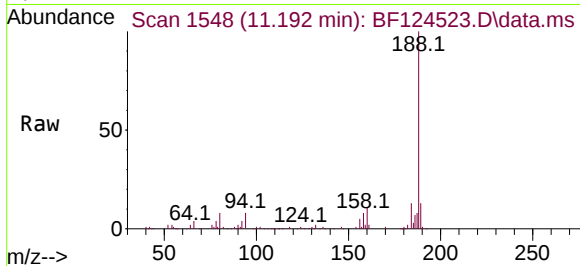




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.192 min Scan# 1548  
Delta R.T. -0.006 min  
Lab File: BF124523.D  
Acq: 2 Jul 2021 17:48

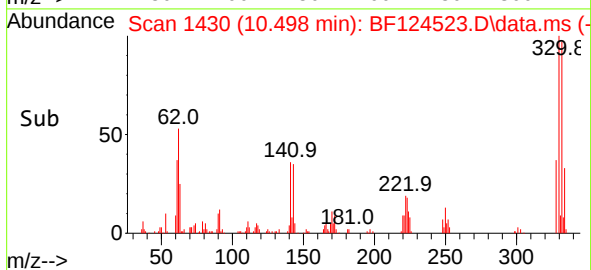
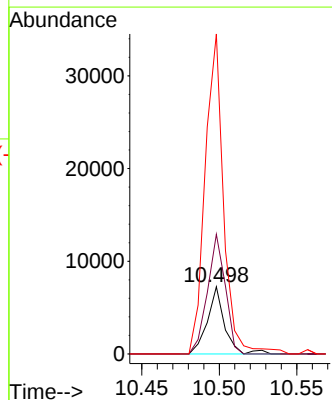
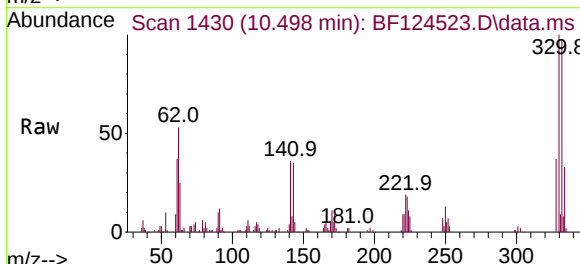
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-1

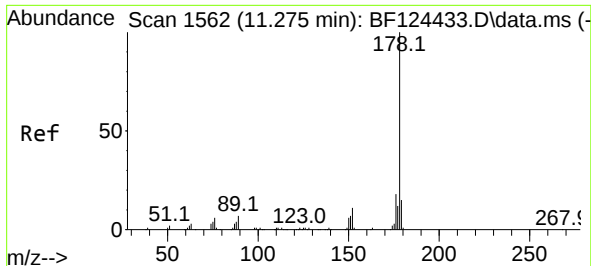
Tgt Ion:188 Resp: 119319  
Ion Ratio Lower Upper  
188 100  
94 8.3 6.9 10.3  
80 7.6 8.2 12.2#



#67  
4-Bromophenyl-phenylether  
Concen: 3.50 ng  
RT: 10.498 min Scan# 1430  
Delta R.T. -0.241 min  
Lab File: BF124523.D  
Acq: 2 Jul 2021 17:48

Tgt Ion:248 Resp: 5611  
Ion Ratio Lower Upper  
248 100  
250 178.0 77.4 116.2#  
141 476.0 63.7 95.5#

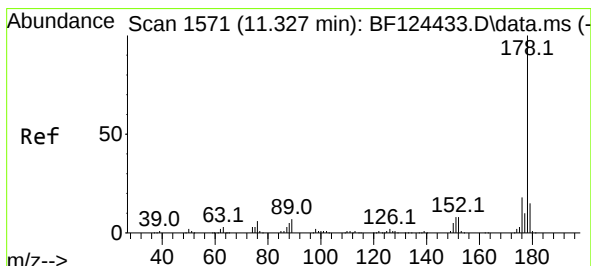
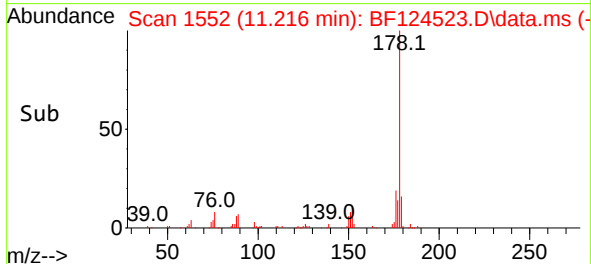
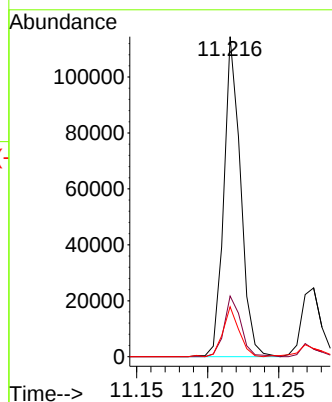
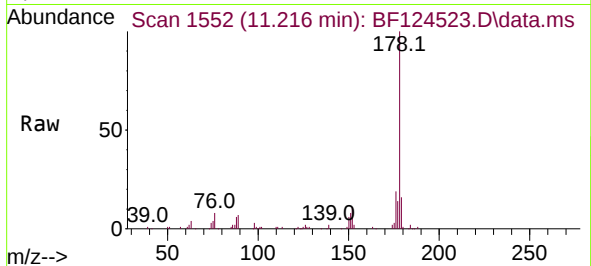




#71  
Phenanthrene  
Concen: 12.42 ng  
RT: 11.216 min Scan# 1552  
Delta R.T. -0.006 min  
Lab File: BF124523.D  
Acq: 2 Jul 2021 17:48

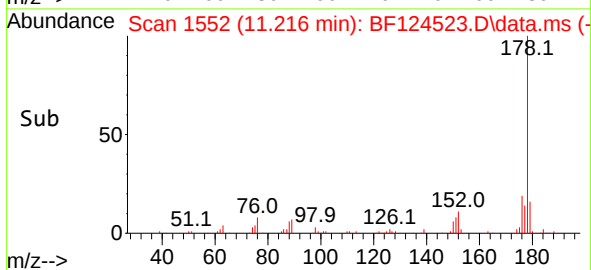
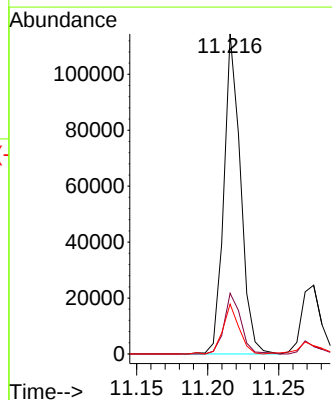
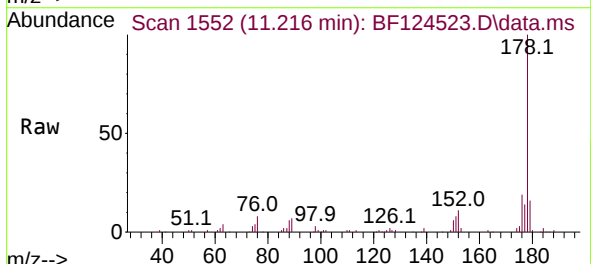
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-1

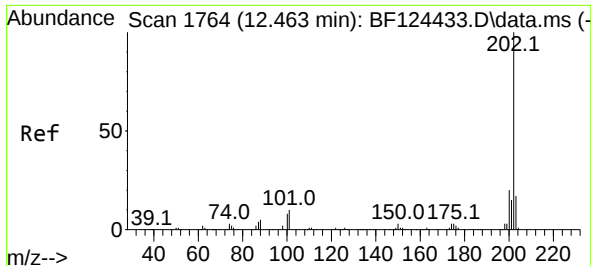
Tgt Ion:178 Resp: 93411  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.6 23.4  
179 15.6 12.5 18.7



#72  
Anthracene  
Concen: 12.46 ng  
RT: 11.216 min Scan# 1552  
Delta R.T. -0.059 min  
Lab File: BF124523.D  
Acq: 2 Jul 2021 17:48

Tgt Ion:178 Resp: 93411  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.4 23.0  
179 15.6 12.6 18.8

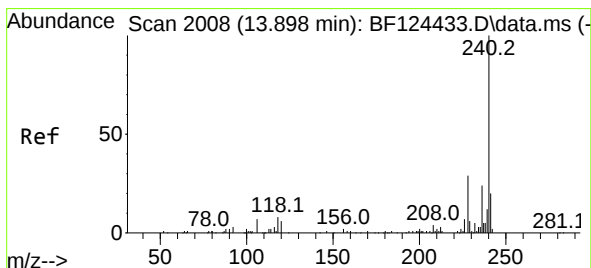
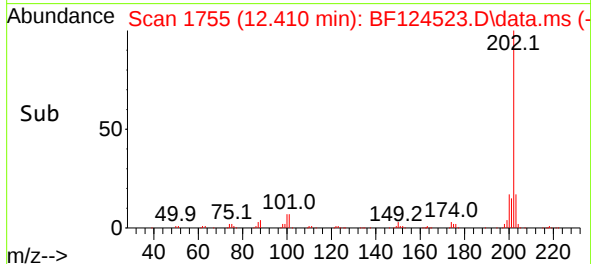
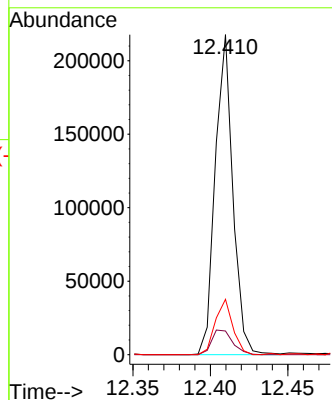
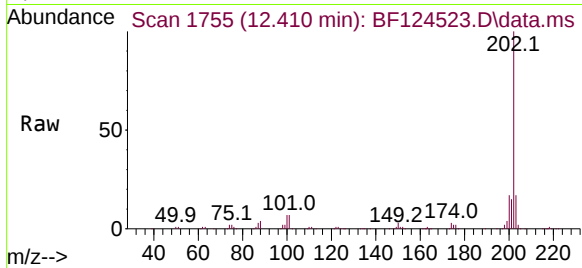




#75  
Fluoranthene  
Concen: 22.76 ng  
RT: 12.410 min Scan# 1755  
Delta R.T. -0.000 min  
Lab File: BF124523.D  
Acq: 2 Jul 2021 17:48

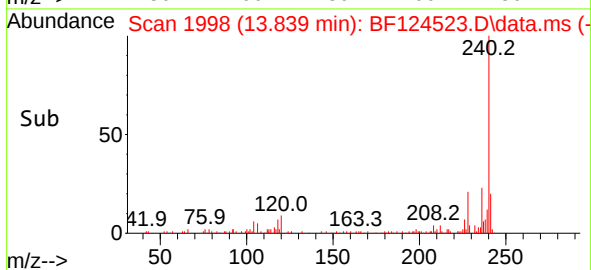
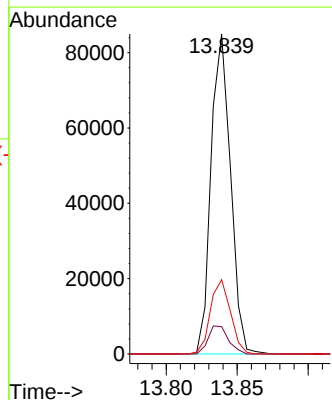
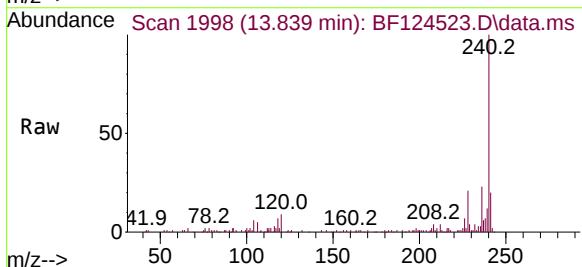
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-1

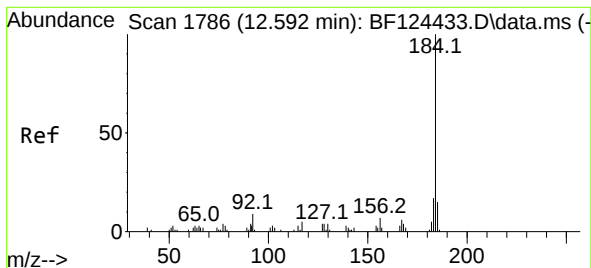
Tgt Ion:202 Resp: 172298  
Ion Ratio Lower Upper  
202 100  
101 7.4 0.0 30.9  
203 17.3 0.0 37.5



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.839 min Scan# 1998  
Delta R.T. -0.000 min  
Lab File: BF124523.D  
Acq: 2 Jul 2021 17:48

Tgt Ion:240 Resp: 81231  
Ion Ratio Lower Upper  
240 100  
120 8.5 7.2 10.8  
236 23.2 19.0 28.4





#77

Benzidine

Concen: 2.93 ng

RT: 12.774 min Scan# 1817

Delta R.T. 0.241 min

Lab File: BF124523.D

Acq: 2 Jul 2021 17:48

Tgt Ion:184 Resp: 4767

Ion Ratio Lower Upper

184 100

185 21.9 12.1 18.1#

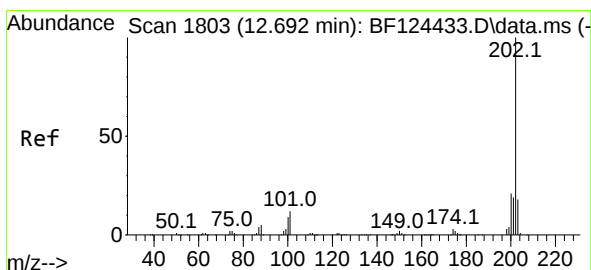
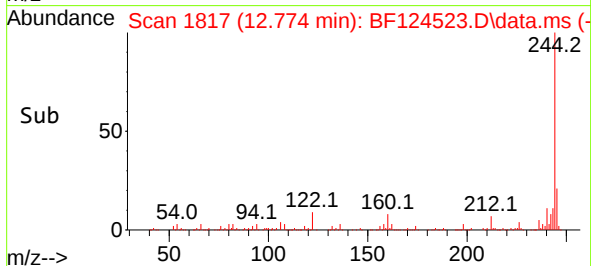
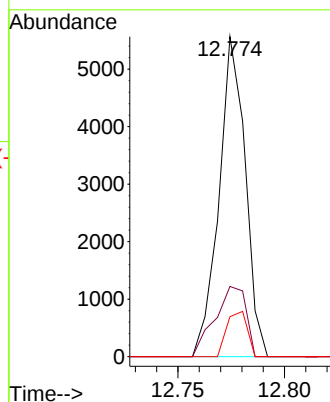
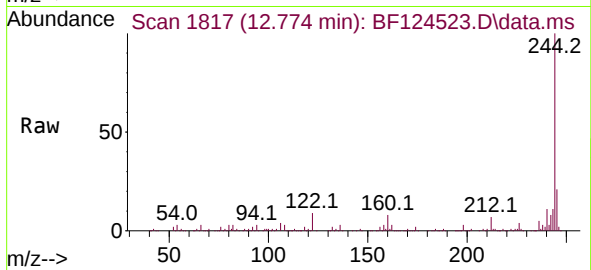
183 12.5 7.8 11.8#

Instrument :

BNA\_F

ClientSampleId :

COMP-1



#78

Pyrene

Concen: 19.27 ng

RT: 12.633 min Scan# 1793

Delta R.T. -0.006 min

Lab File: BF124523.D

Acq: 2 Jul 2021 17:48

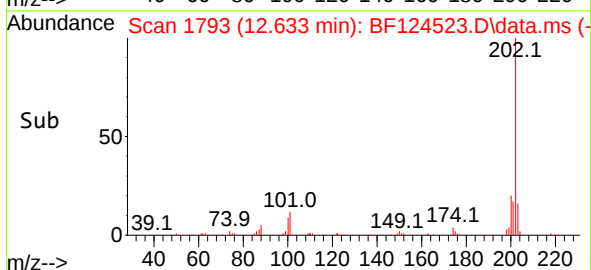
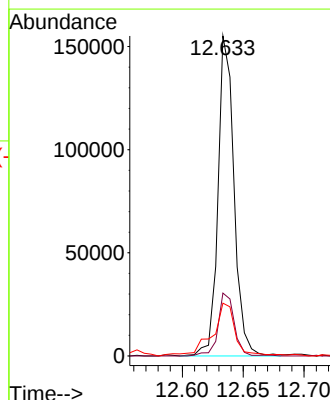
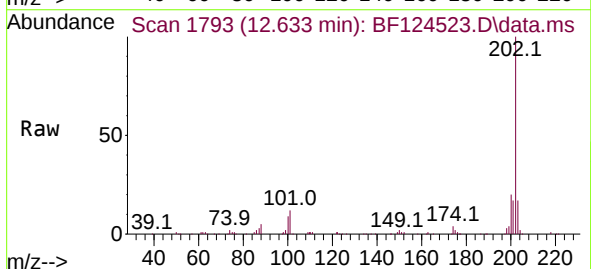
Tgt Ion:202 Resp: 142920

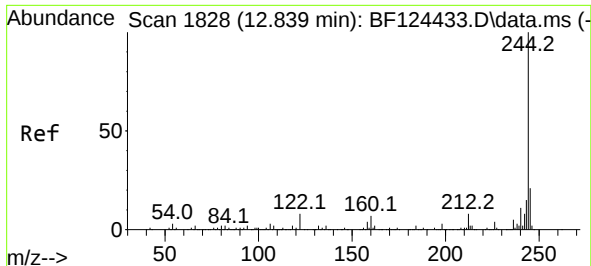
Ion Ratio Lower Upper

202 100

200 19.6 16.1 24.1

203 16.5 14.8 22.2

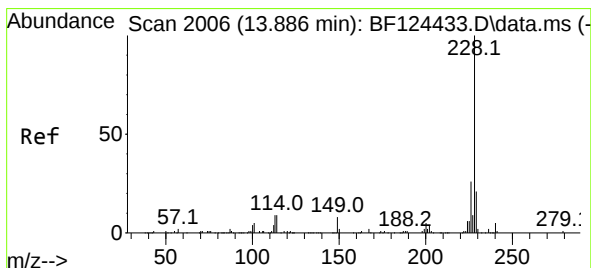
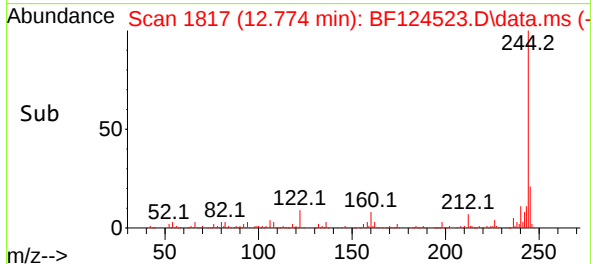
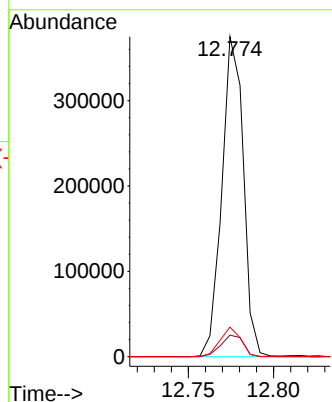
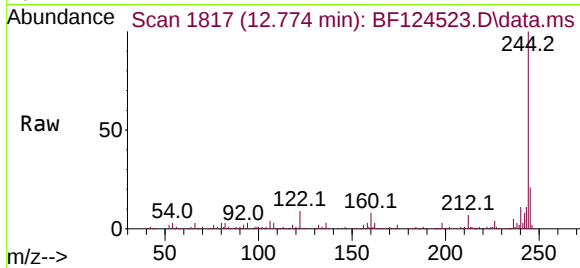




#79  
 Terphenyl-d14  
 Concen: 60.65 ng  
 RT: 12.774 min Scan# 1817  
 Delta R.T. -0.006 min  
 Lab File: BF124523.D  
 Acq: 2 Jul 2021 17:48

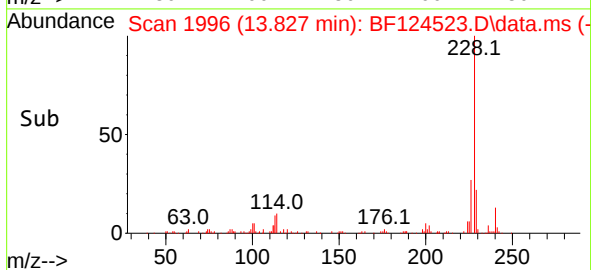
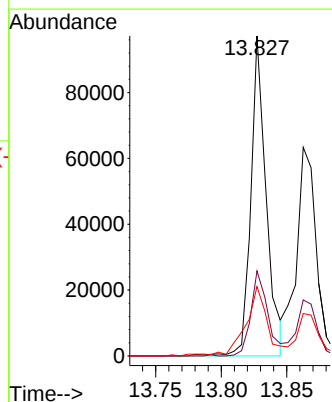
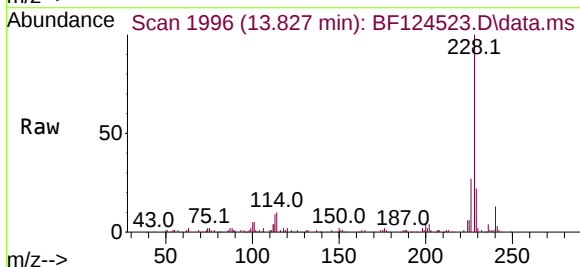
Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-1

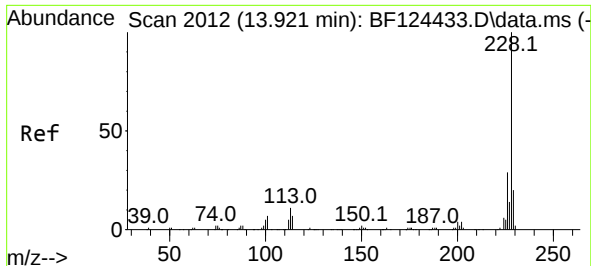
Tgt Ion:244 Resp: 328902  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.7 8.5  
 122 9.2 9.7 14.5#



#81  
 Benzo(a)anthracene  
 Concen: 13.51 ng  
 RT: 13.827 min Scan# 1996  
 Delta R.T. 0.000 min  
 Lab File: BF124523.D  
 Acq: 2 Jul 2021 17:48

Tgt Ion:228 Resp: 79138  
 Ion Ratio Lower Upper  
 228 100  
 226 26.5 22.4 33.6  
 229 21.7 16.0 24.0

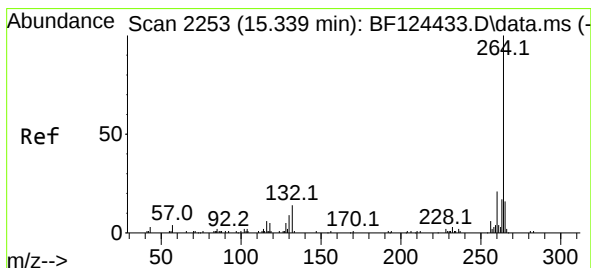
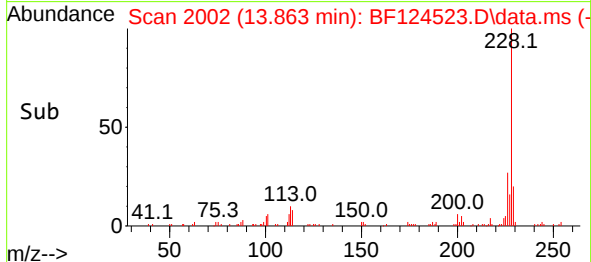
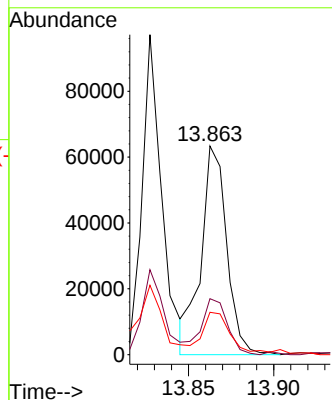
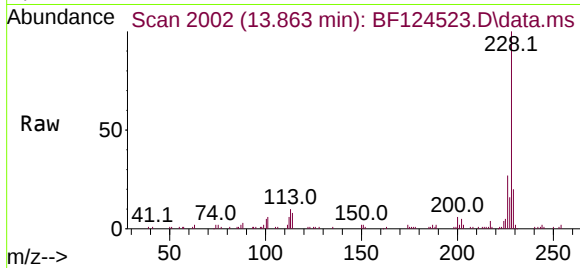




#83  
Chrysene  
Concen: 11.44 ng  
RT: 13.863 min Scan# 2002  
Delta R.T. -0.006 min  
Lab File: BF124523.D  
Acq: 2 Jul 2021 17:48

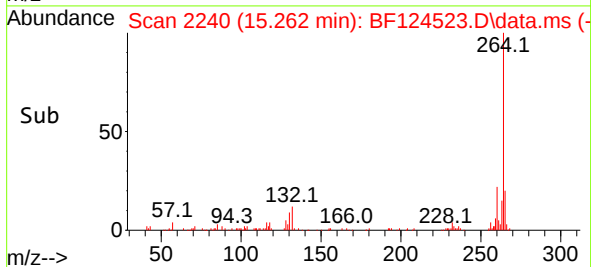
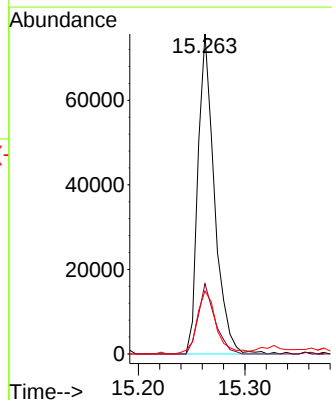
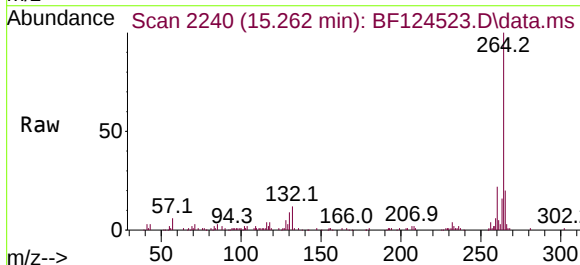
Instrument :  
BNA\_F  
ClientSampled :  
COMP-1

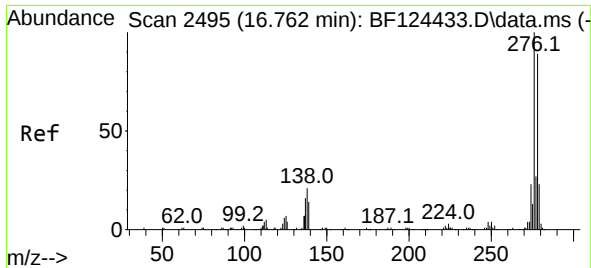
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 66399 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 26.8  | 24.3  | 36.5  |
| 229       | 20.3  | 16.2  | 24.2  |



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.262 min Scan# 2240  
Delta R.T. 0.000 min  
Lab File: BF124523.D  
Acq: 2 Jul 2021 17:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 264   | Resp: | 81502 |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 21.9  | 18.7  | 28.1  |
| 265       | 19.7  | 17.8  | 26.8  |

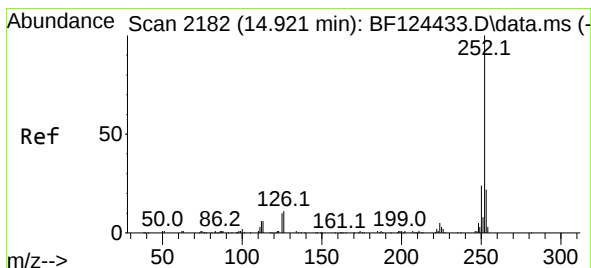
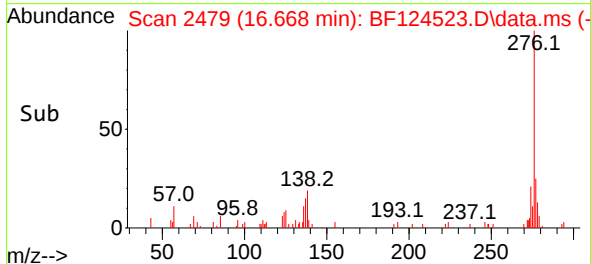
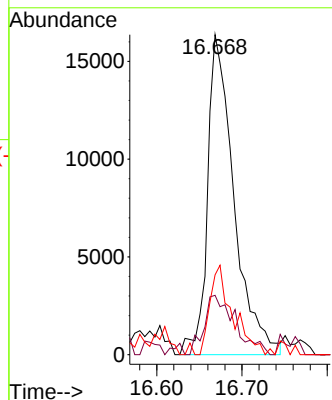
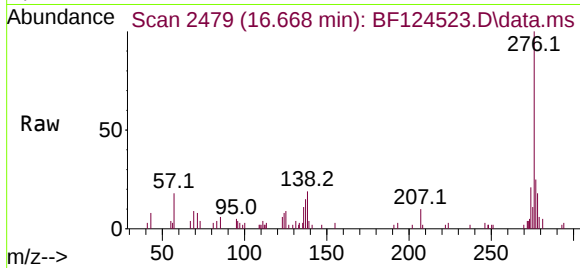




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 5.49 ng  
RT: 16.668 min Scan# 2479  
Delta R.T. 0.018 min  
Lab File: BF124523.D  
Acq: 2 Jul 2021 17:48

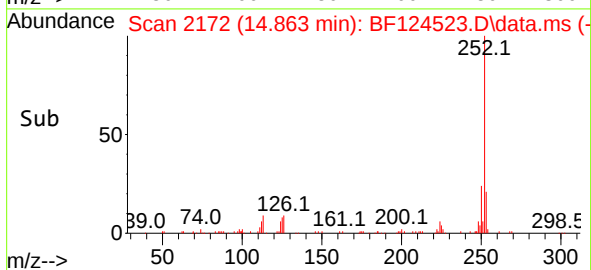
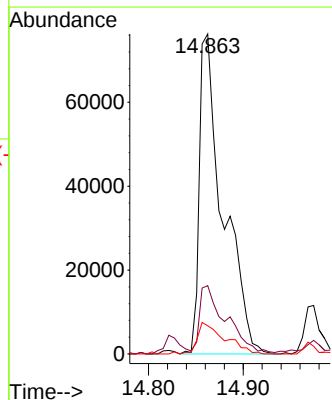
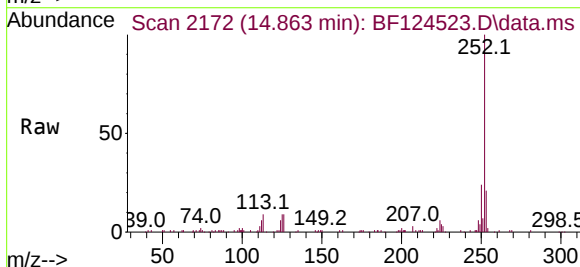
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-1

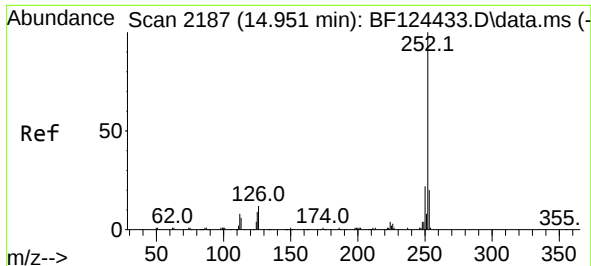
Tgt Ion:276 Resp: 35300  
Ion Ratio Lower Upper  
276 100  
138 22.0 16.2 24.2  
277 23.8 20.1 30.1



#88  
Benzo(b)fluoranthene  
Concen: 21.42 ng  
RT: 14.863 min Scan# 2172  
Delta R.T. 0.006 min  
Lab File: BF124523.D  
Acq: 2 Jul 2021 17:48

Tgt Ion:252 Resp: 132308  
Ion Ratio Lower Upper  
252 100  
253 21.4 18.1 27.1  
125 8.8 6.2 9.4





#89

Benzo(k)fluoranthene

Concen: 23.42 ng

RT: 14.863 min Scan# 2172

Delta R.T. -0.024 min

Lab File: BF124523.D

Acq: 2 Jul 2021 17:48

Tgt Ion:252 Resp: 132308

Ion Ratio Lower Upper

252 100

253 21.4 17.9 26.9

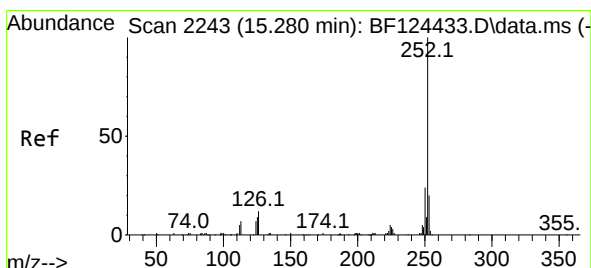
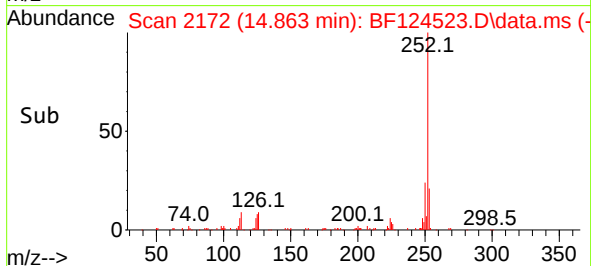
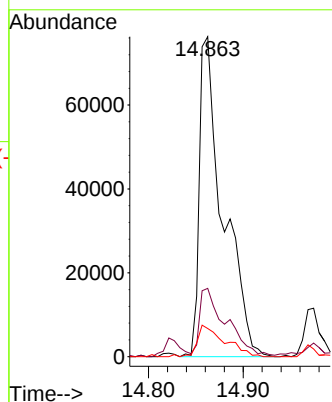
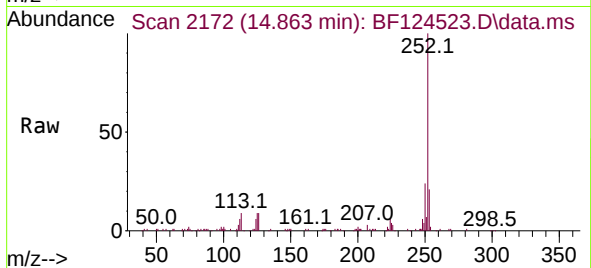
125 8.8 7.0 10.6

Instrument :

BNA\_F

ClientSampleId :

COMP-1



#90

Benzo(a)pyrene

Concen: 12.31 ng

RT: 15.210 min Scan# 2231

Delta R.T. 0.006 min

Lab File: BF124523.D

Acq: 2 Jul 2021 17:48

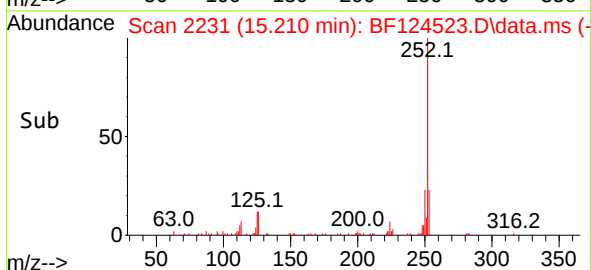
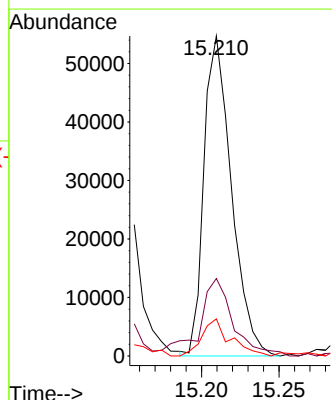
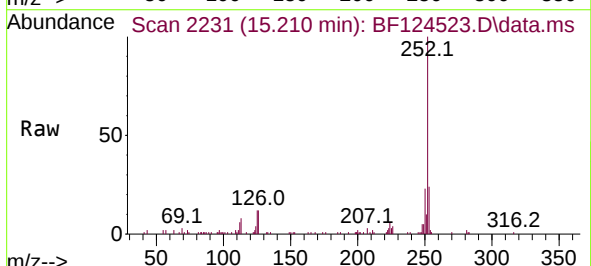
Tgt Ion:252 Resp: 67555

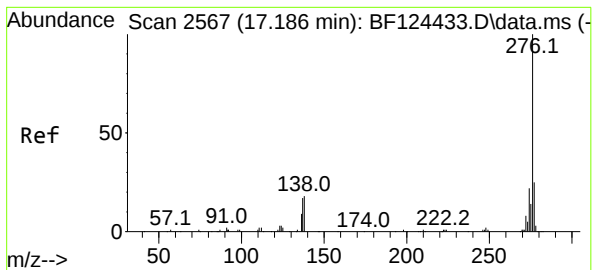
Ion Ratio Lower Upper

252 100

253 24.2 18.4 27.6

125 11.6 8.0 12.0





#92  
 Benzo(g,h,i)perylene  
 Concen: 5.16 ng  
 RT: 17.092 min Scan# 2551  
 Delta R.T. 0.024 min  
 Lab File: BF124523.D  
 Acq: 2 Jul 2021 17:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-1

Tgt Ion:276 Resp: 28086  
 Ion Ratio Lower Upper  
 276 100  
 277 22.0 18.2 27.2  
 138 20.8 13.8 20.6#

