

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080721\  
 Data File : BF124988.D  
 Acq On : 7 Aug 2021 22:50  
 Operator : JU/CG  
 Sample : M3293-01 2X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

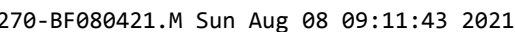
Instrument :  
 BNA\_F  
 ClientSampleId :  
 289

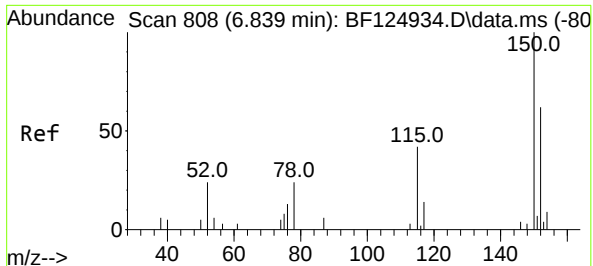
Quant Time: Aug 08 09:11:37 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF080421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 06 11:27:24 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.828  | 152  | 6696     | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.110  | 136  | 26815    | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.874  | 164  | 25372    | 20.00  | ng    | # 0.00   |
| 64) Phenanthrene-d10          | 11.368 | 188  | 18749    | 20.00  | ng    | # 0.02   |
| 76) Chrysene-d12              | 14.009 | 240  | 13584    | 20.00  | ng    | 0.02     |
| 86) Perylene-d12              | 15.456 | 264  | 10476    | 20.00  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.439  | 112  | 17818    | 43.59  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.457  | 99   | 21285    | 41.30  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.392  | 82   | 13548    | 26.43  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 4122     | 18.18  | ng    | 0.01     |
| 45) 2-Fluorobiphenyl          | 9.186  | 172  | 25732    | 14.84  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.957 | 244  | 21056    | 26.15  | ng    | 0.02     |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.392  | 70   | 1924     | 6.29   | ng    | # 65     |
| 25) Isophorone                | 7.392  | 82   | 13548    | 15.49  | ng    | # 59     |
| 31) Naphthalene               | 8.133  | 128  | 10512    | 7.63   | ng    | 97       |
| 33) 4-Chloroaniline           | 8.133  | 127  | 1329     | 2.59   | ng    | # 26     |
| 37) 2-Methylnaphthalene       | 8.822  | 142  | 4722     | 5.10   | ng    | 88       |
| 38) 1-Methylnaphthalene       | 8.922  | 142  | 3918     | 4.52   | ng    | 99       |
| 49) Acenaphthylene            | 9.880  | 152  | 108100   | 47.31  | ng    | # 84     |
| 51) 2,6-Dinitrotoluene        | 9.880  | 165  | 183634   | 479.64 | ng    | # 42     |
| 52) Acenaphthene              | 9.910  | 154  | 15496    | 11.19  | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 9.886  | 184  | 1584     | 13.03  | ng    | # 1      |
| 55) Dibenzofuran              | 10.074 | 168  | 54363    | 25.11  | ng    | # 77     |
| 56) 4-Nitrophenol             | 9.980  | 139  | 1179     | 4.44   | ng    | # 1      |
| 57) 2,4-Dinitrotoluene        | 10.074 | 165  | 117359   | 225.78 | ng    | # 47     |
| 58) Fluorene                  | 10.427 | 166  | 18810    | 11.33  | ng    | 95       |
| 63) Azobenzene                | 10.604 | 77   | 4020     | 2.33   | ng    | # 12     |
| 65) 4,6-Dinitro-2-methylph... | 10.692 | 198  | 770      | 6.56   | ng    | # 1      |
| 66) n-Nitrosodiphenylamine    | 10.533 | 169  | 6385     | 10.51  | ng    | # 53     |
| 70) Pentachlorophenol         | 10.998 | 266  | 117      | 4.65   | ng    | # 17     |
| 71) Phenanthrene              | 11.404 | 178  | 122772   | 120.71 | ng    | 98       |
| 72) Anthracene                | 11.451 | 178  | 35098    | 34.40  | ng    | 98       |
| 73) Carbazole                 | 11.598 | 167  | 12508    | 13.37  | ng    | # 85     |
| 75) Fluoranthene              | 12.598 | 202  | 112036   | 106.48 | ng    | 96       |
| 78) Pyrene                    | 12.827 | 202  | 85343    | 79.76  | ng    | 96       |
| 81) Benzo(a)anthracene        | 13.998 | 228  | 38303    | 43.27  | ng    | 97       |
| 83) Chrysene                  | 14.033 | 228  | 31388    | 36.68  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.909 | 276  | 11459    | 18.37  | ng    | # 91     |
| 88) Benzo(b)fluoranthene      | 15.033 | 252  | 42079    | 57.20  | ng    | 96       |
| 89) Benzo(k)fluoranthene      | 15.033 | 252  | 42079    | 62.88  | ng    | # 95     |
| 90) Benzo(a)pyrene            | 15.398 | 252  | 20177    | 32.21  | ng    | 97       |
| 91) Dibenzo(a,h)anthracene    | 16.915 | 278  | 2809     | 5.12   | ng    | # 84     |
| 92) Benzo(g,h,i)perylene      | 17.350 | 276  | 9816     | 18.66  | ng    | 90       |

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

Quant Time: Aug 08 09:11:37 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF080421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 06 11:27:24 2021  
Response via : Initial Calibration

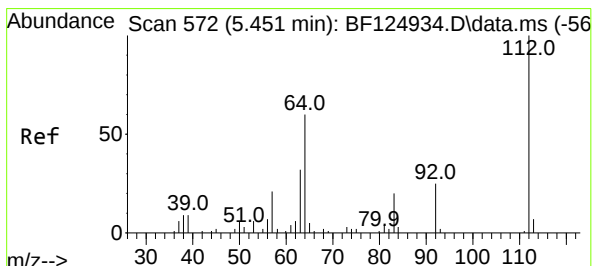
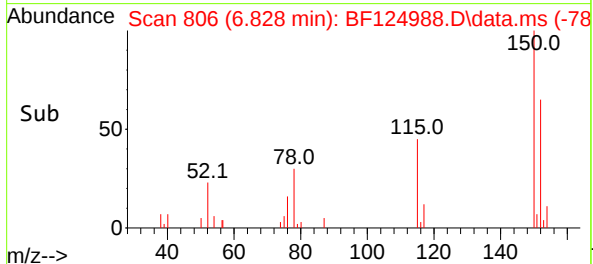
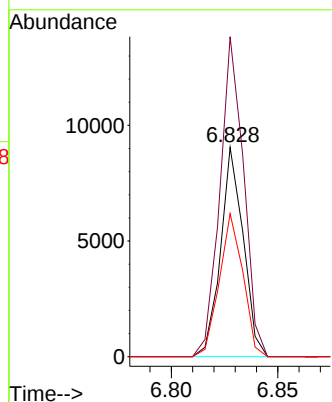
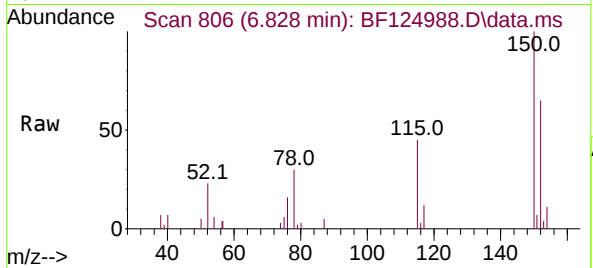




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.828 min Scan# 806  
Delta R.T. -0.000 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

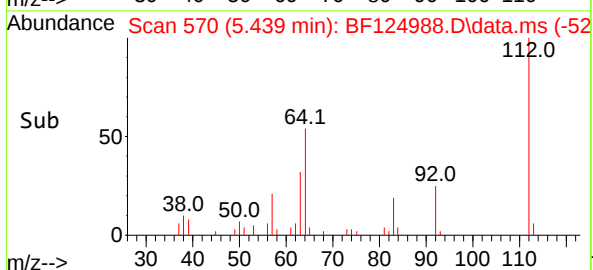
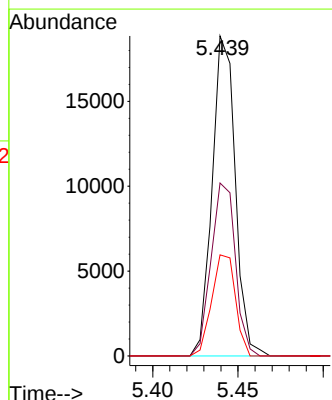
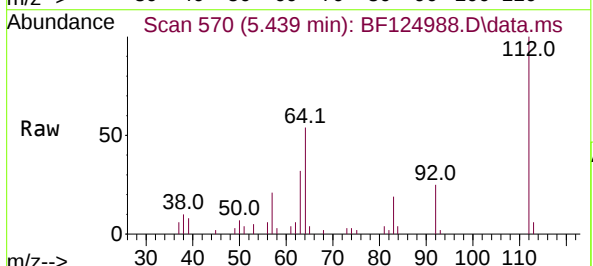
Instrument :  
BNA\_F  
ClientSampleId :  
289

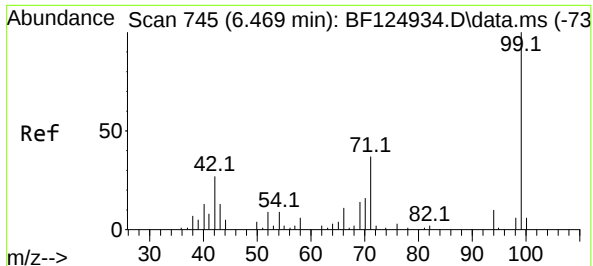
Tgt Ion:152 Resp: 6696  
Ion Ratio Lower Upper  
152 100  
150 152.9 117.6 176.4  
115 68.3 47.1 70.7



#5  
2-Fluorophenol  
Concen: 43.59 ng  
RT: 5.439 min Scan# 570  
Delta R.T. -0.006 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

Tgt Ion:112 Resp: 17818  
Ion Ratio Lower Upper  
112 100  
64 54.0 44.2 66.2  
63 31.6 26.2 39.2

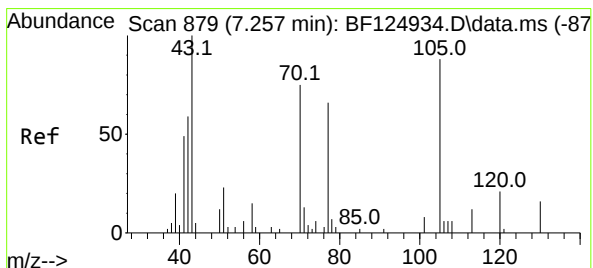
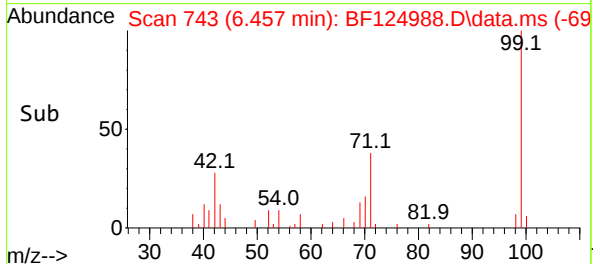
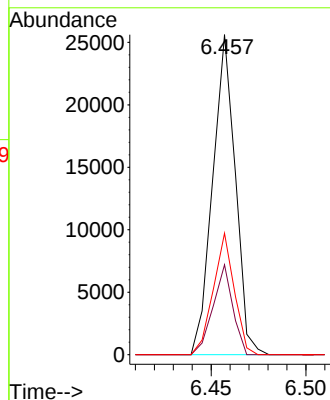
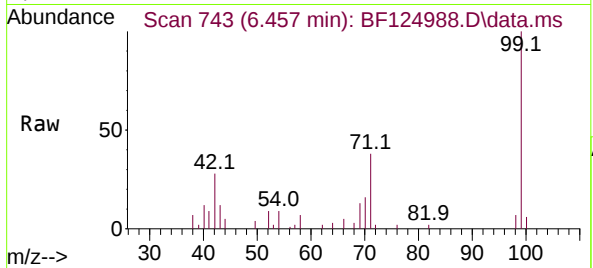




#7  
Phenol-d6  
Concen: 41.30 ng  
RT: 6.457 min Scan# 743  
Delta R.T. -0.006 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

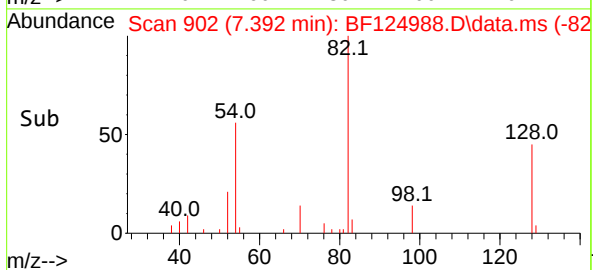
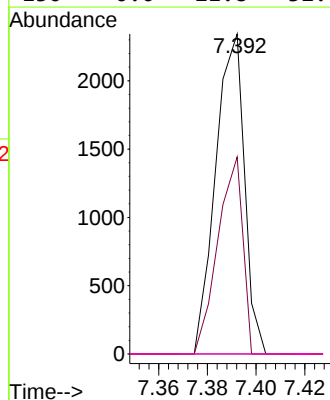
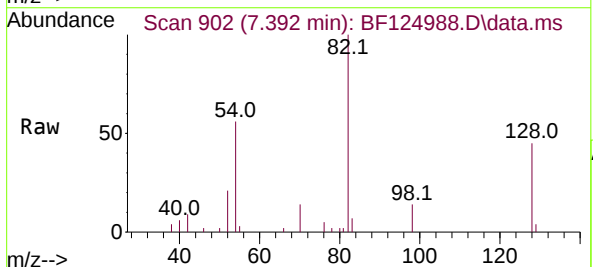
Instrument :  
BNA\_F  
ClientSampled :  
289

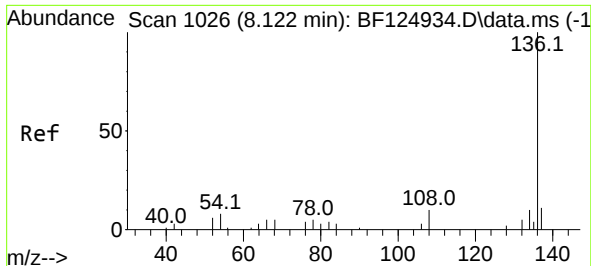
Tgt Ion: 99 Resp: 21285  
Ion Ratio Lower Upper  
99 100  
42 28.1 23.5 35.3  
71 37.9 25.6 38.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 6.29 ng  
RT: 7.392 min Scan# 902  
Delta R.T. 0.147 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

Tgt Ion: 70 Resp: 1924  
Ion Ratio Lower Upper  
70 100  
42 61.5 72.2 108.2#  
101 0.0 7.8 11.8#  
130 0.0 21.8 32.6#

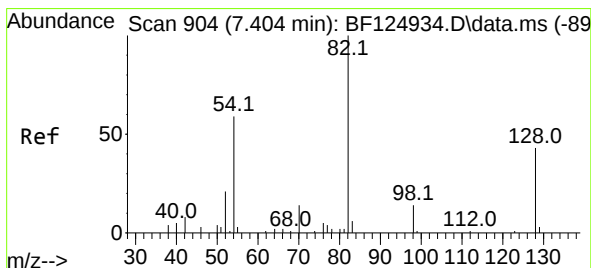
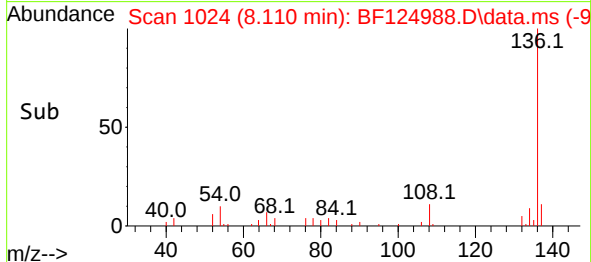
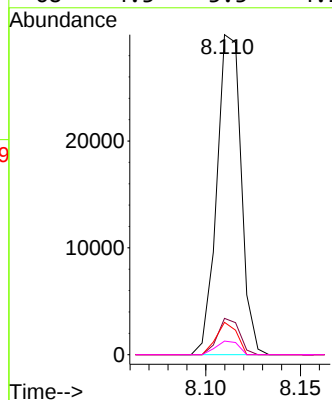
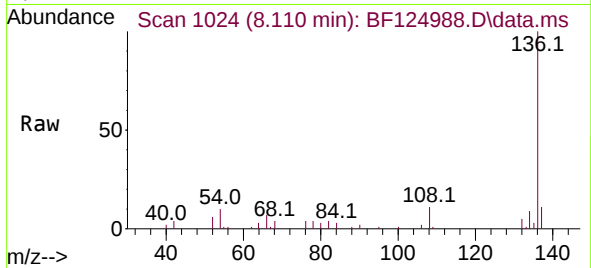




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.110 min Scan# 1024  
Delta R.T. -0.006 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

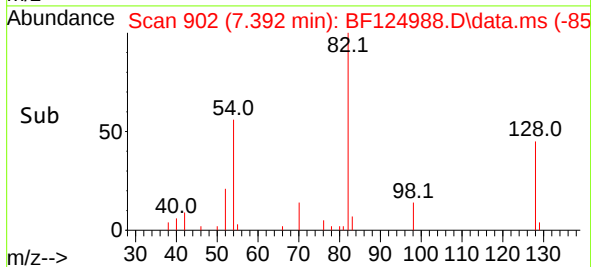
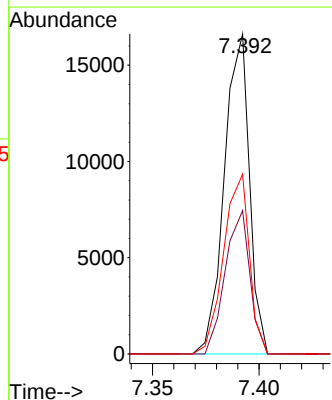
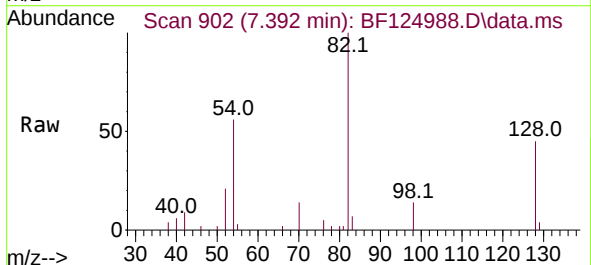
Instrument :  
BNA\_F  
ClientSampled :  
289

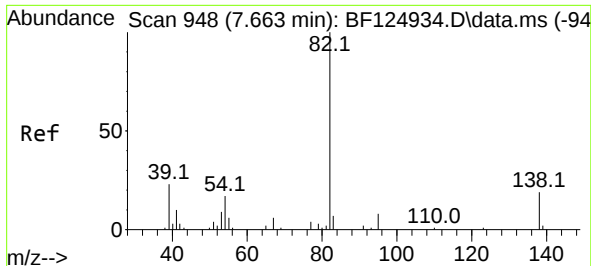
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 26815    |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.3  | 9.8 14.6 |
| 54          | 10.1  | 6.4 9.6# |
| 68          | 4.3   | 3.3 4.9  |



#23  
Nitrobenzene-d5  
Concen: 26.43 ng  
RT: 7.392 min Scan# 902  
Delta R.T. -0.006 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 13548     |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 44.8  | 40.6 60.8 |
| 54          | 56.2  | 49.6 74.4 |

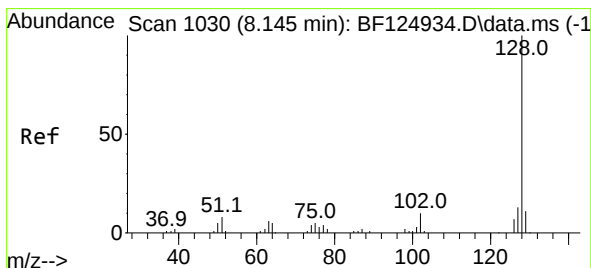
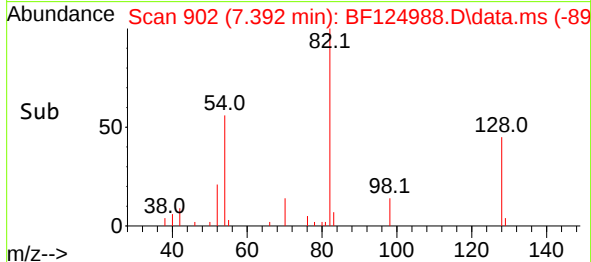
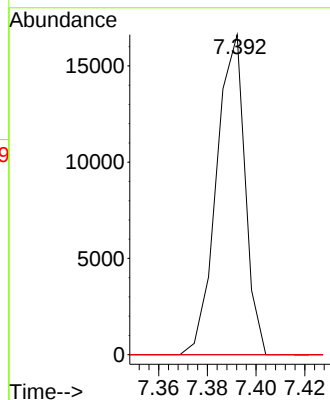
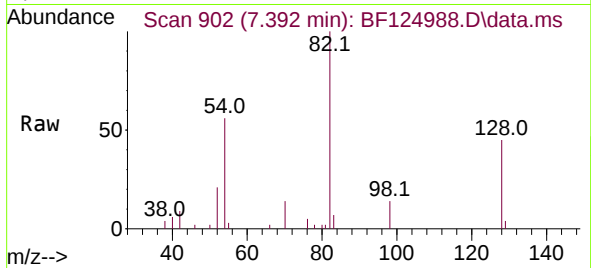




#25  
Isophorone  
Concen: 15.49 ng  
RT: 7.392 min Scan# 902  
Delta R.T. -0.265 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

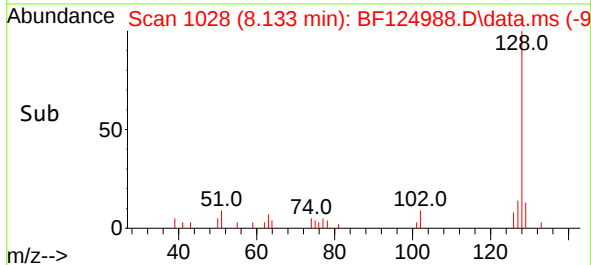
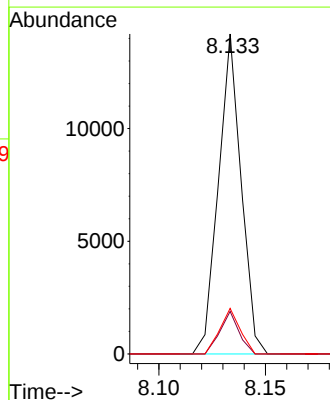
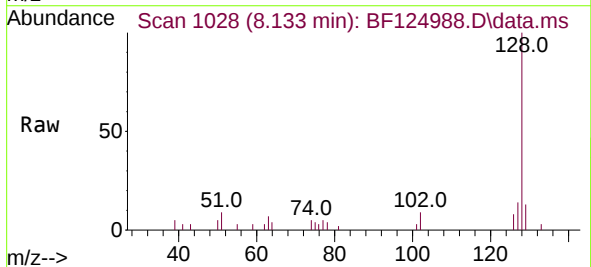
Instrument :  
BNA\_F  
ClientSampleId :  
289

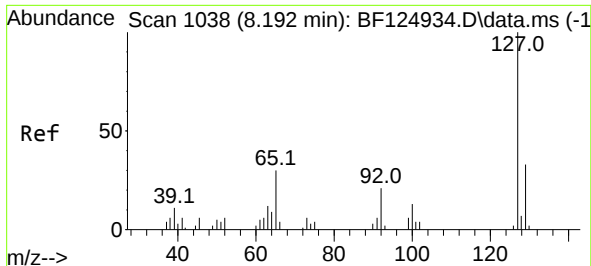
Tgt Ion: 82 Resp: 13548  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.5 9.7#  
138 0.0 18.4 27.6#



#31  
Naphthalene  
Concen: 7.63 ng  
RT: 8.133 min Scan# 1028  
Delta R.T. 0.000 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

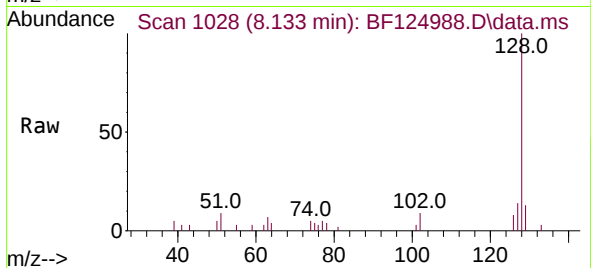
Tgt Ion: 128 Resp: 10512  
Ion Ratio Lower Upper  
128 100  
129 13.3 9.4 14.0  
127 14.2 10.9 16.3



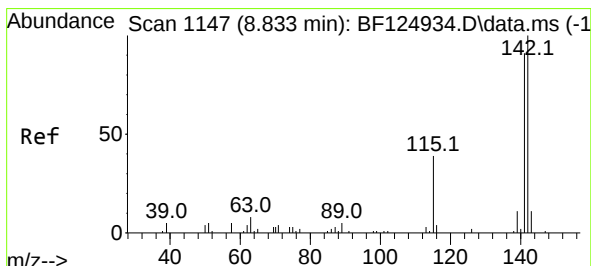
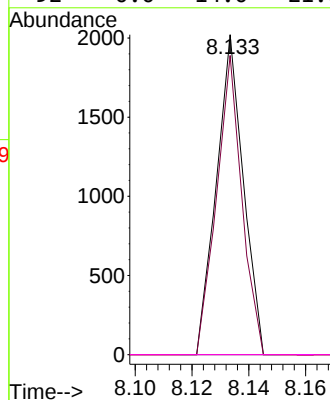
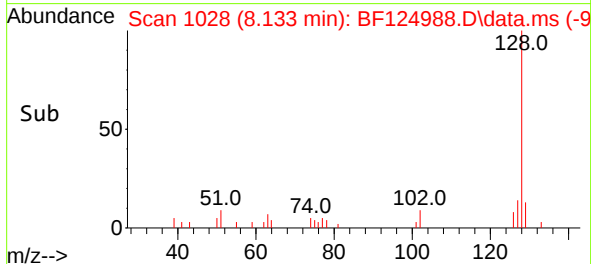


#33  
4-Chloroaniline  
Concen: 2.59 ng  
RT: 8.133 min Scan# 1028  
Delta R.T. -0.053 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

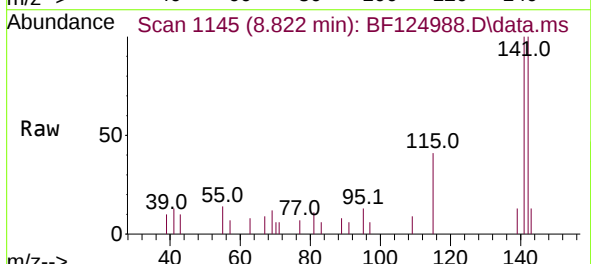
Instrument :  
BNA\_F  
ClientSampled :  
289



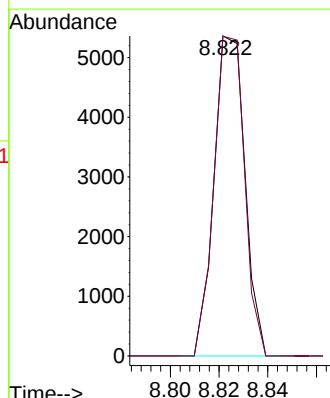
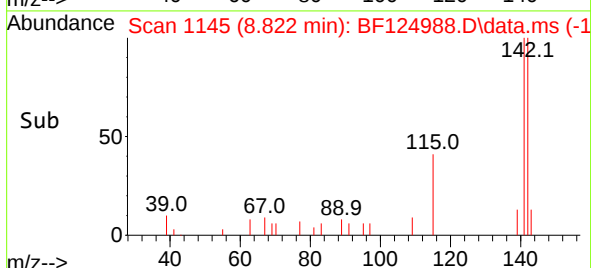
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 1329  |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 93.5  | 25.7  | 38.5# |
| 65       | 0.0   | 21.2  | 31.8# |
| 92       | 0.0   | 14.0  | 21.0# |

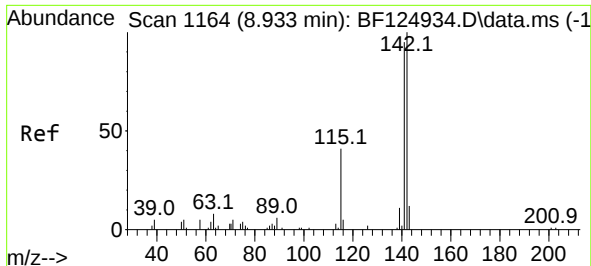


#37  
2-Methylnaphthalene  
Concen: 5.10 ng  
RT: 8.822 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 4722  |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 141      | 99.9  | 71.2  | 106.8 |

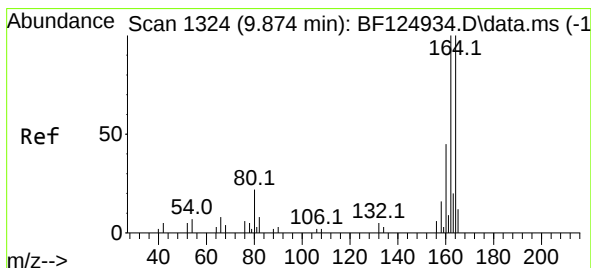
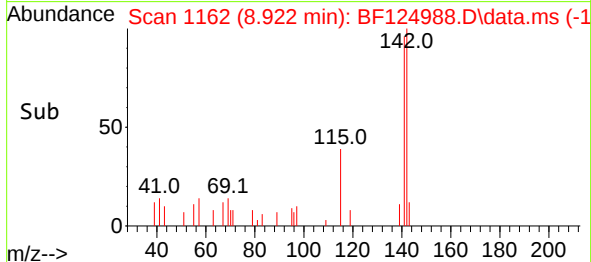
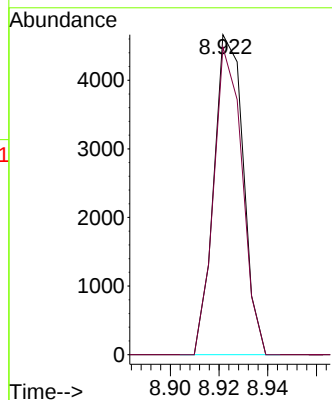
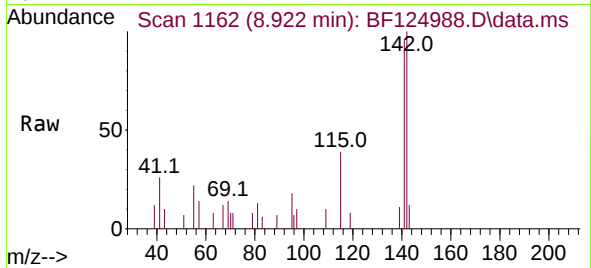




#38  
1-Methylnaphthalene  
Concen: 4.52 ng  
RT: 8.922 min Scan# 1162  
Delta R.T. -0.006 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

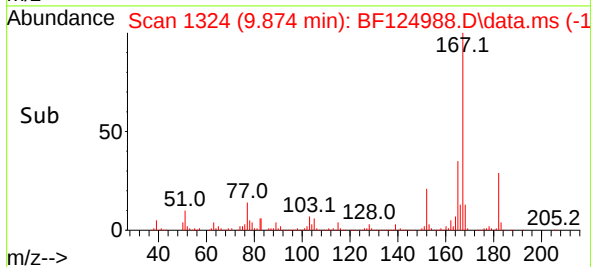
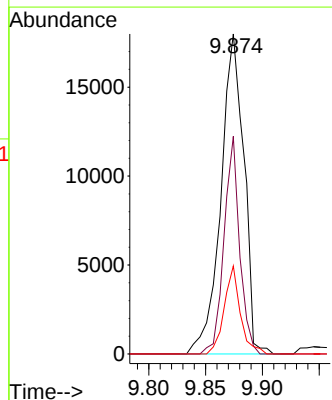
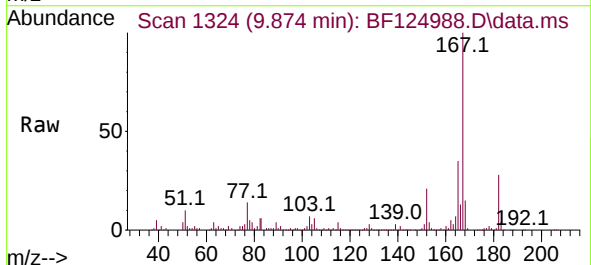
Instrument :  
BNA\_F  
ClientSampled :  
289

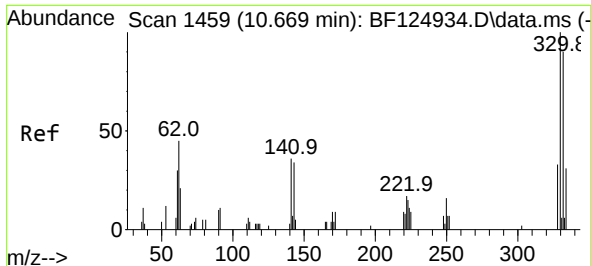
Tgt Ion:142 Resp: 3918  
Ion Ratio Lower Upper  
142 100  
141 96.0 76.0 114.0



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.874 min Scan# 1324  
Delta R.T. 0.006 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

Tgt Ion:164 Resp: 25372  
Ion Ratio Lower Upper  
164 100  
162 68.0 81.3 121.9#  
160 27.5 38.0 57.0#

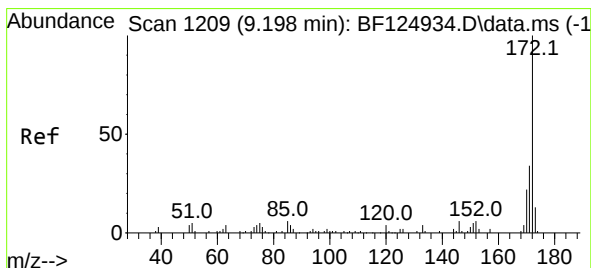
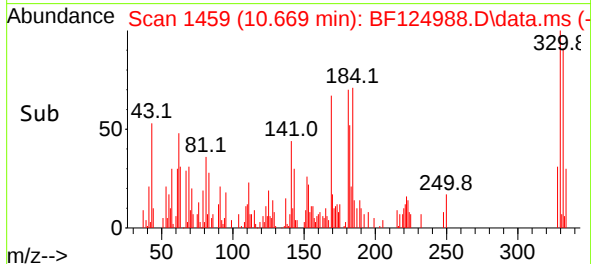
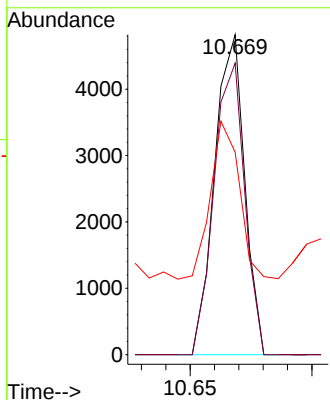
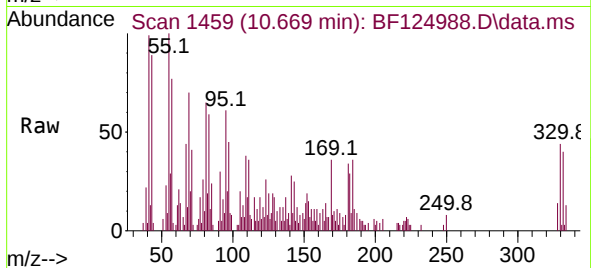




#42  
2,4,6-Tribromophenol  
Concen: 18.18 ng  
RT: 10.669 min Scan# 1459  
Delta R.T. 0.012 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

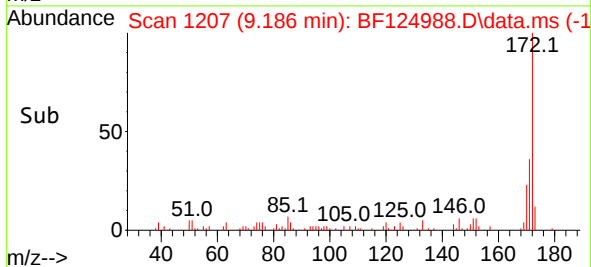
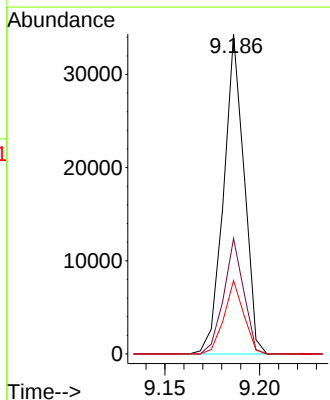
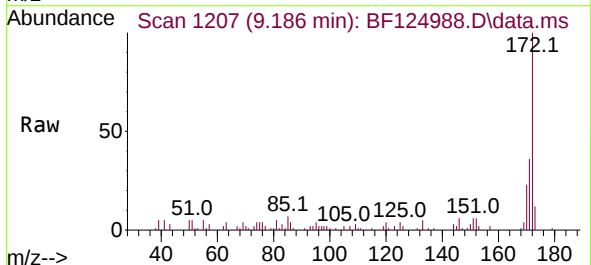
Instrument :  
BNA\_F  
ClientSampleId :  
289

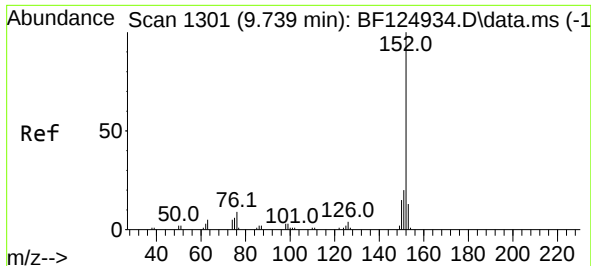
Tgt Ion:330 Resp: 4122  
Ion Ratio Lower Upper  
330 100  
332 93.3 76.2 114.4  
141 47.4 44.6 66.8



#45  
2-Fluorobiphenyl  
Concen: 14.84 ng  
RT: 9.186 min Scan# 1207  
Delta R.T. -0.006 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

Tgt Ion:172 Resp: 25732  
Ion Ratio Lower Upper  
172 100  
171 36.1 26.5 39.7  
170 23.0 18.8 28.2





#49

Acenaphthylene

Concen: 47.31 ng

RT: 9.880 min Scan# 1325

Delta R.T. 0.147 min

Lab File: BF124988.D

Acq: 7 Aug 2021 22:50

Instrument :

BNA\_F

ClientSampled :

289

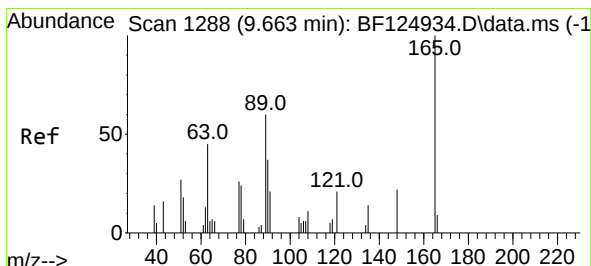
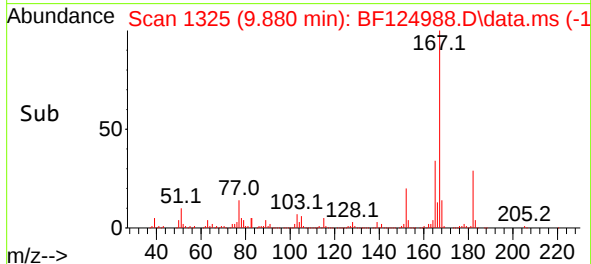
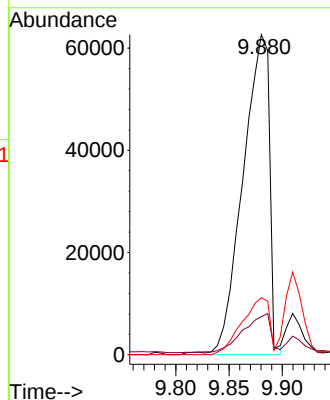
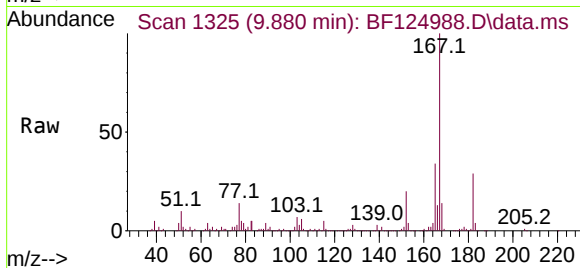
Tgt Ion:152 Resp: 108100

Ion Ratio Lower Upper

152 100

151 11.9 15.7 23.5#

153 17.8 9.8 14.8#



#51

2,6-Dinitrotoluene

Concen: 479.64 ng

RT: 9.880 min Scan# 1325

Delta R.T. 0.224 min

Lab File: BF124988.D

Acq: 7 Aug 2021 22:50

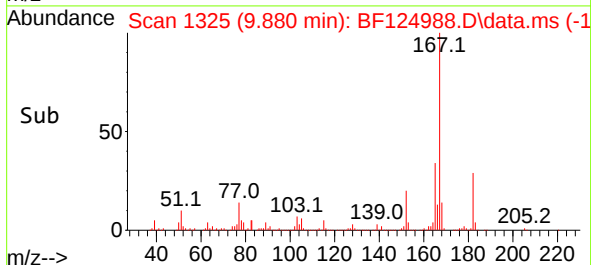
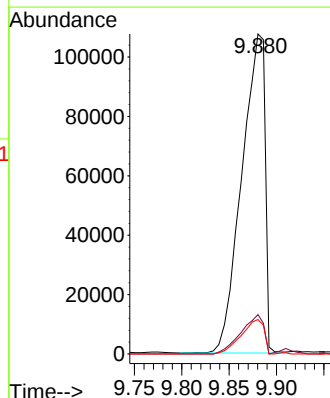
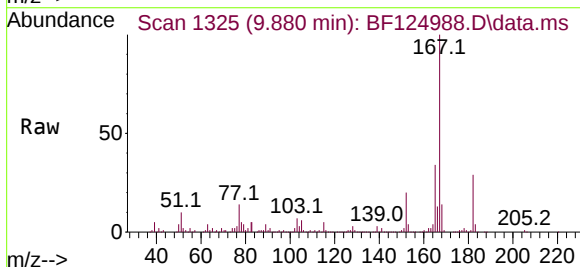
Tgt Ion:165 Resp: 183634

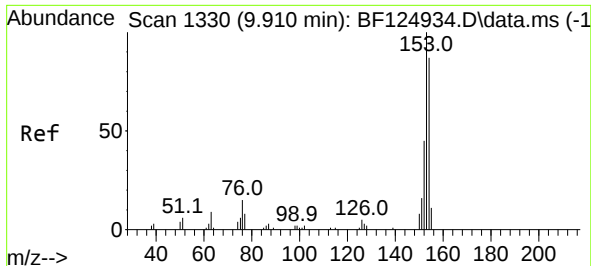
Ion Ratio Lower Upper

165 100

63 12.3 42.6 63.8#

89 10.7 40.6 60.8#

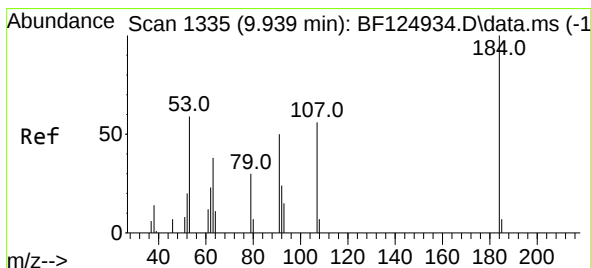
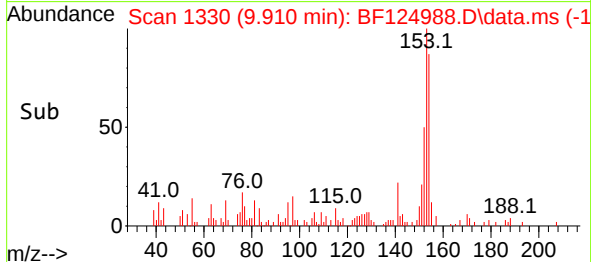
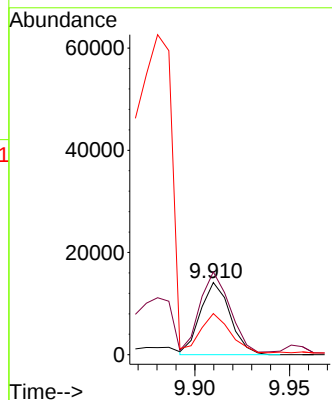
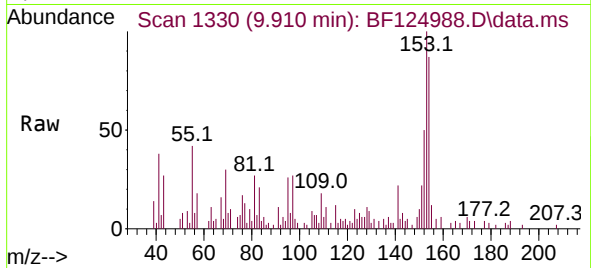




#52  
Acenaphthene  
Concen: 11.19 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. 0.006 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

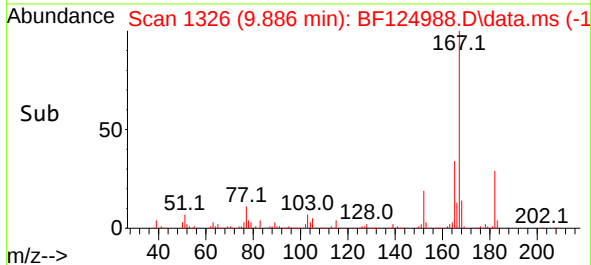
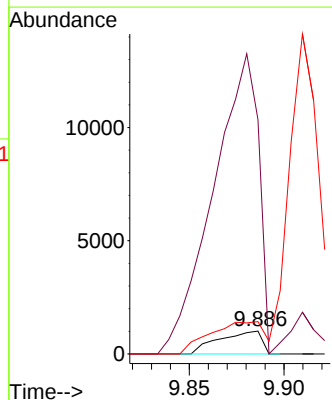
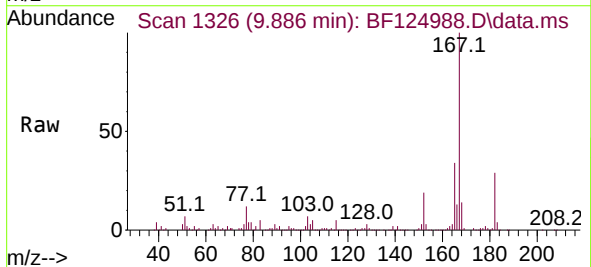
Instrument :  
BNA\_F  
ClientSampled :  
289

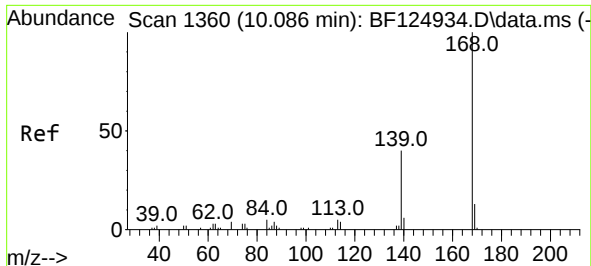
Tgt Ion:154 Resp: 15496  
Ion Ratio Lower Upper  
154 100  
153 114.5 89.4 134.2  
152 56.9 40.5 60.7



#54  
2,4-Dinitrophenol  
Concen: 13.03 ng  
RT: 9.886 min Scan# 1326  
Delta R.T. -0.047 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

Tgt Ion:184 Resp: 1584  
Ion Ratio Lower Upper  
184 100  
63 1026.0 59.3 88.9#  
154 141.6 68.6 102.8#

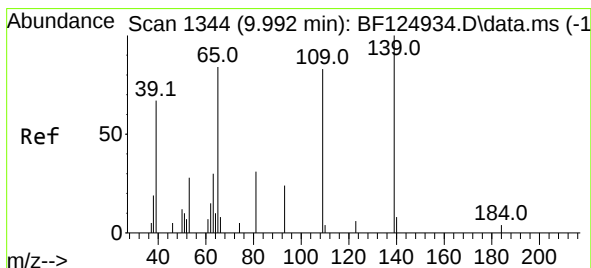
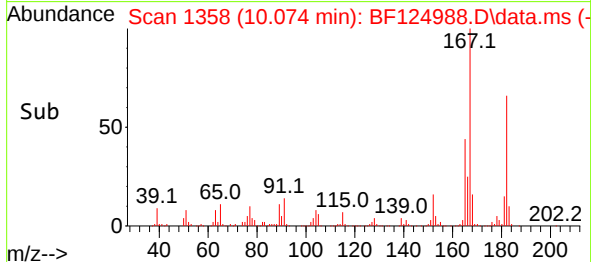
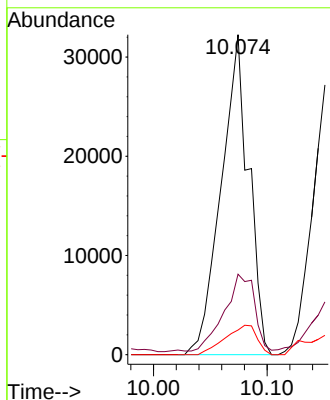
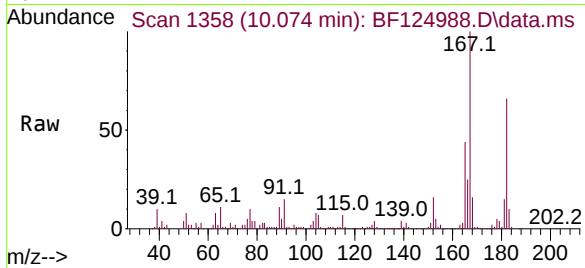




#55  
Dibenzofuran  
Concen: 25.11 ng  
RT: 10.074 min Scan# 1358  
Delta R.T. 0.000 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

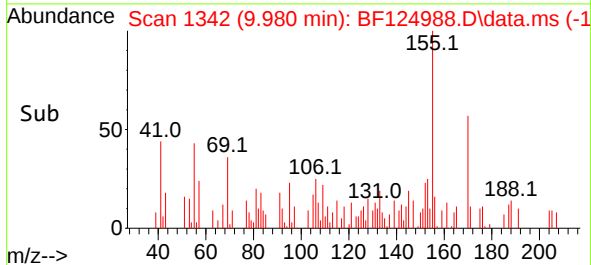
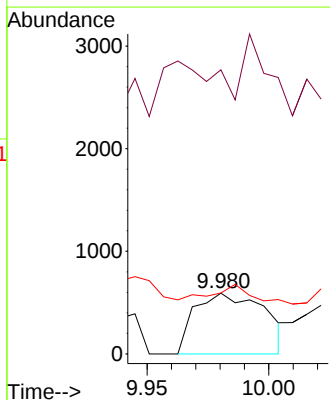
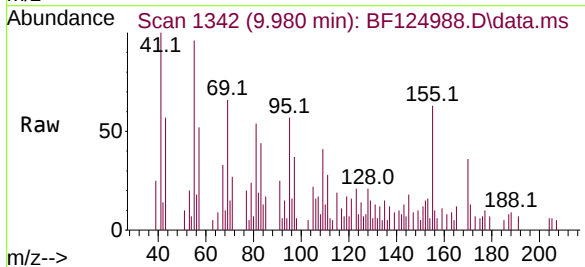
Instrument :  
BNA\_F  
ClientSampleId :  
289

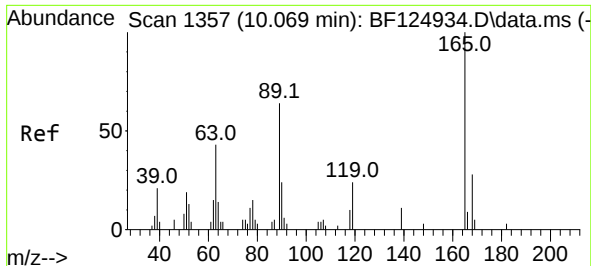
Tgt Ion:168 Resp: 54363  
Ion Ratio Lower Upper  
168 100  
139 25.1 32.7 49.1#  
169 7.7 11.2 16.8#



#56  
4-Nitrophenol  
Concen: 4.44 ng  
RT: 9.980 min Scan# 1342  
Delta R.T. 0.000 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

Tgt Ion:139 Resp: 1179  
Ion Ratio Lower Upper  
139 100  
109 467.7 60.4 100.4#  
65 100.2 58.4 98.4#

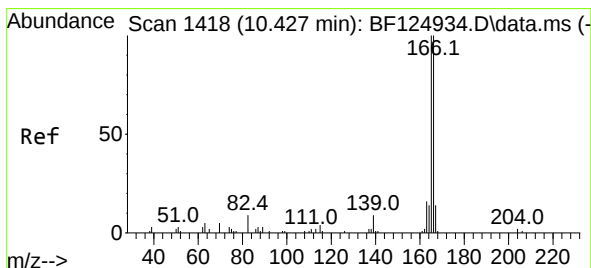
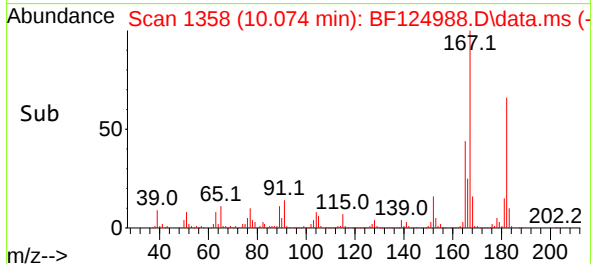
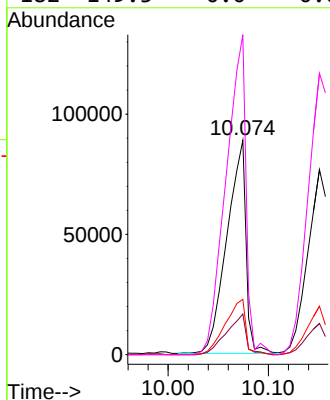
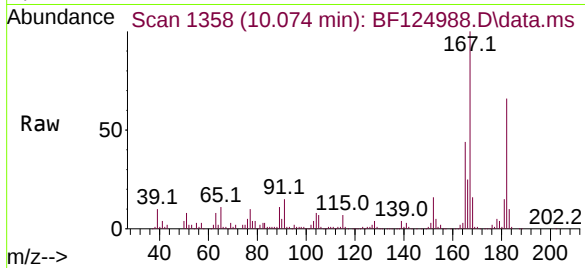




#57  
2,4-Dinitrotoluene  
Concen: 225.78 ng  
RT: 10.074 min Scan# 1358  
Delta R.T. 0.018 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

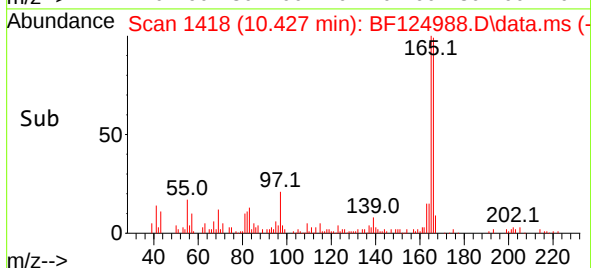
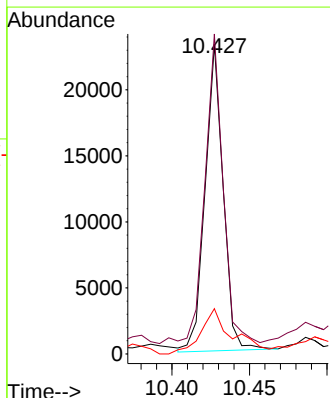
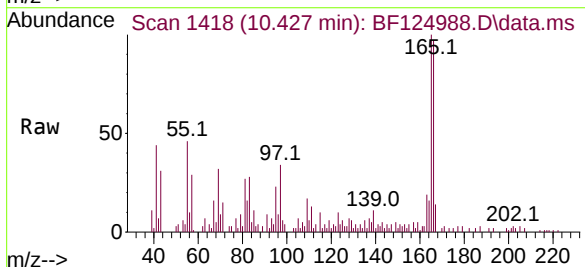
Instrument :  
BNA\_F  
ClientSampled :  
289

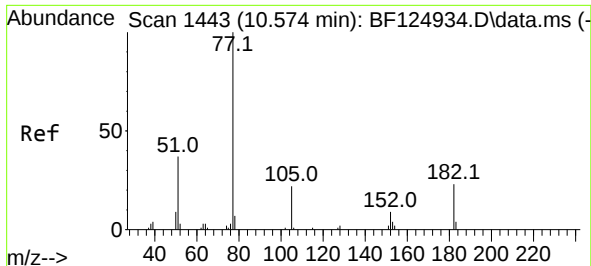
Tgt Ion:165 Resp: 117359  
Ion Ratio Lower Upper  
165 100  
63 19.0 40.9 61.3#  
89 25.9 59.7 89.5#  
182 149.3 0.0 0.0#



#58  
Fluorene  
Concen: 11.33 ng  
RT: 10.427 min Scan# 1418  
Delta R.T. 0.012 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

Tgt Ion:166 Resp: 18810  
Ion Ratio Lower Upper  
166 100  
165 103.3 78.1 117.1  
167 14.6 11.1 16.7

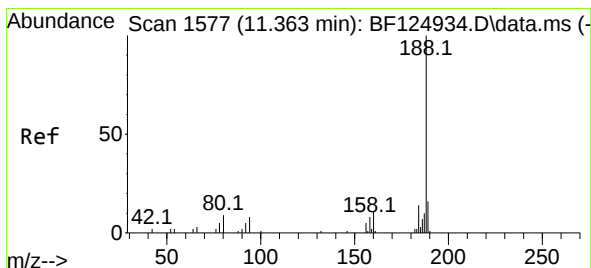
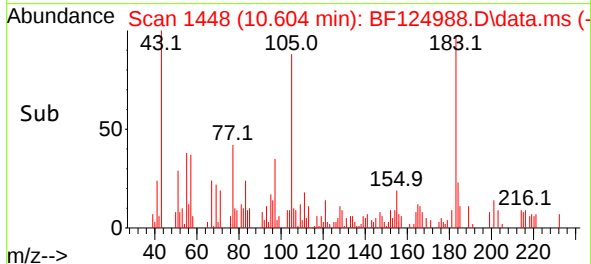
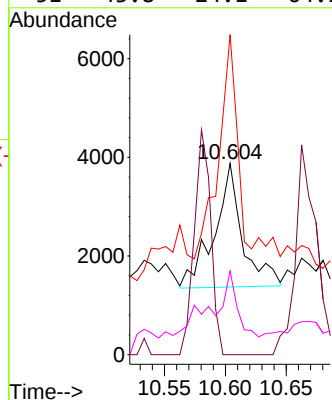
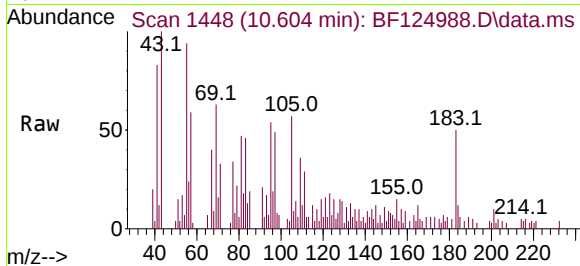




#63  
Azobenzene  
Concen: 2.33 ng  
RT: 10.604 min Scan# 1448  
Delta R.T. 0.035 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

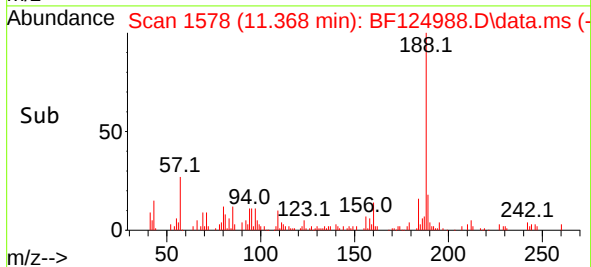
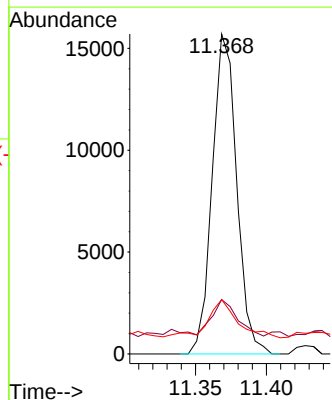
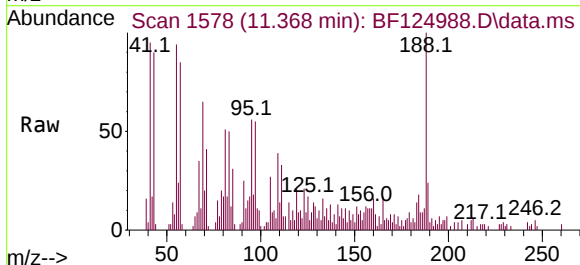
Instrument :  
BNA\_F  
ClientSampleId :  
289

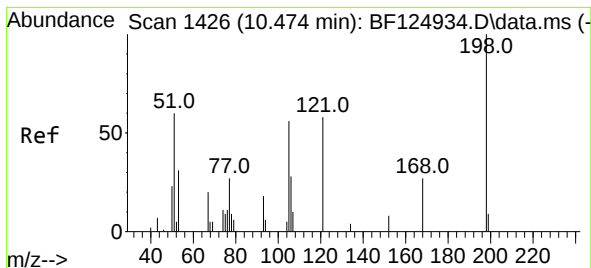
|             |                 |
|-------------|-----------------|
| Tgt Ion: 77 | Resp: 4020      |
| Ion Ratio   | Lower Upper     |
| 77          | 100             |
| 182         | 0.0 6.3 46.3#   |
| 105         | 167.3 2.9 42.9# |
| 51          | 43.8 24.1 64.1  |



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.368 min Scan# 1578  
Delta R.T. 0.018 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

|              |                |
|--------------|----------------|
| Tgt Ion: 188 | Resp: 18749    |
| Ion Ratio    | Lower Upper    |
| 188          | 100            |
| 94           | 17.0 6.7 10.1# |
| 80           | 17.0 7.5 11.3# |

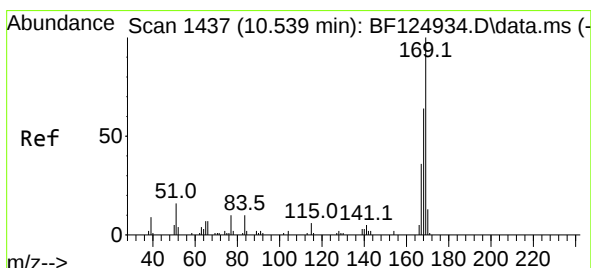
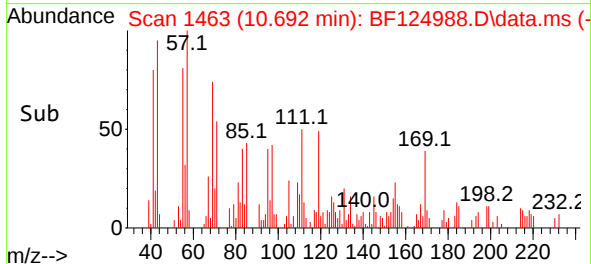
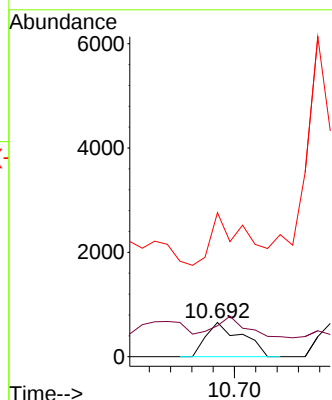
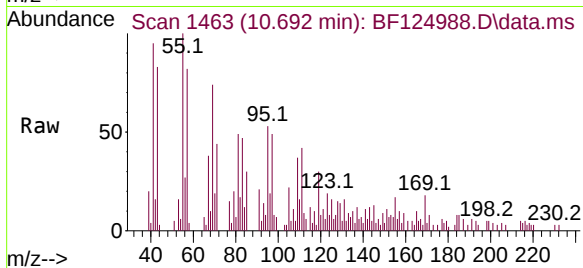




#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.56 ng  
RT: 10.692 min Scan# 1463  
Delta R.T. 0.224 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

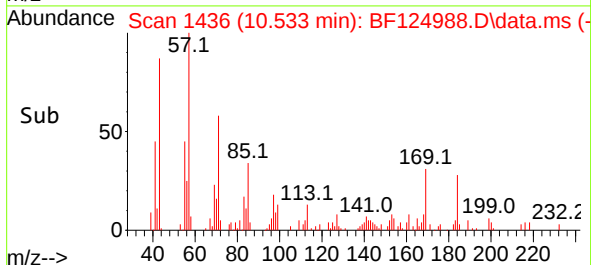
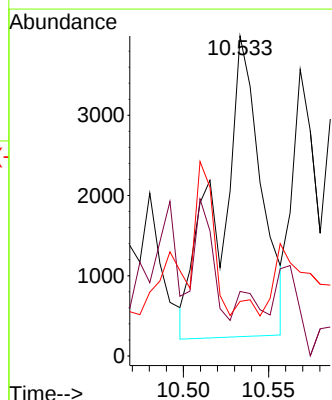
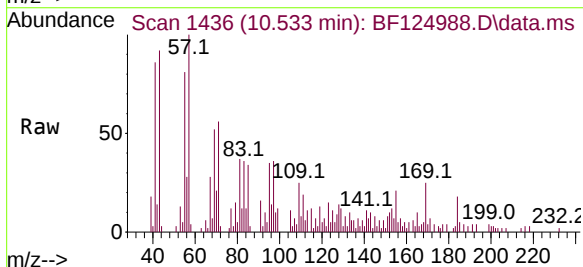
Instrument :  
BNA\_F  
ClientSampled :  
289

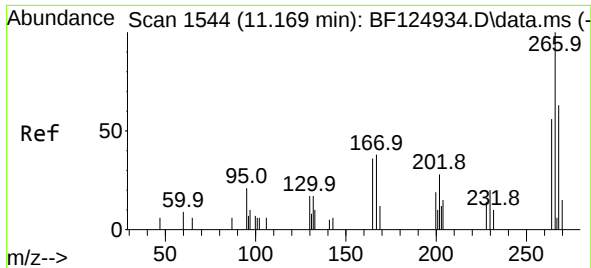
Tgt Ion:198 Resp: 770  
Ion Ratio Lower Upper  
198 100  
51 90.5 45.3 85.3#  
105 421.2 30.6 70.6#



#66  
n-Nitrosodiphenylamine  
Concen: 10.51 ng  
RT: 10.533 min Scan# 1436  
Delta R.T. 0.006 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

Tgt Ion:169 Resp: 6385  
Ion Ratio Lower Upper  
169 100  
168 20.2 50.8 76.2#  
167 17.0 28.8 43.2#

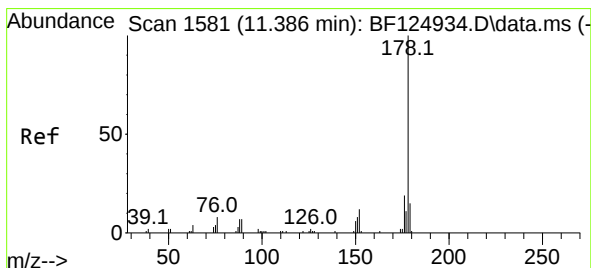
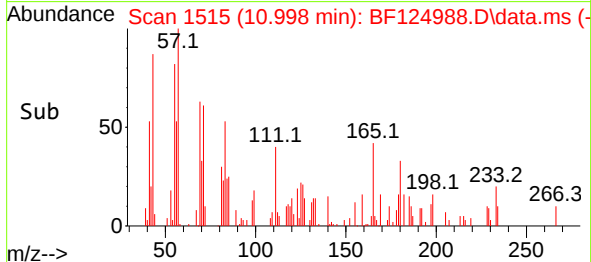
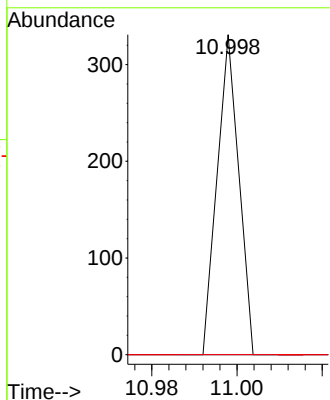
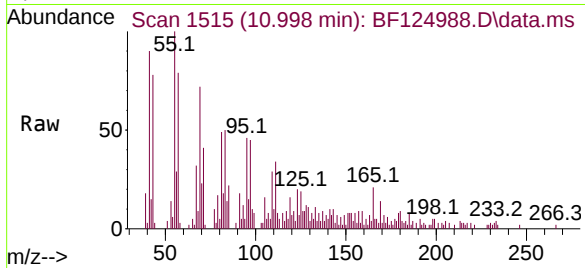




#70  
 Pentachlorophenol  
 Concen: 4.65 ng  
 RT: 10.998 min Scan# 1515  
 Delta R.T. -0.159 min  
 Lab File: BF124988.D  
 Acq: 7 Aug 2021 22:50

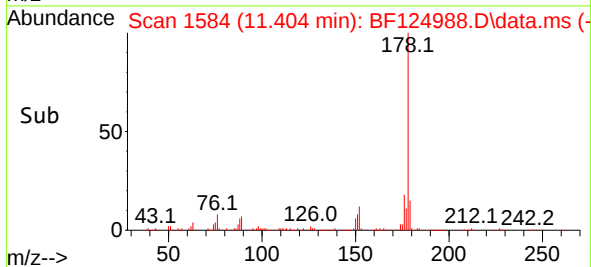
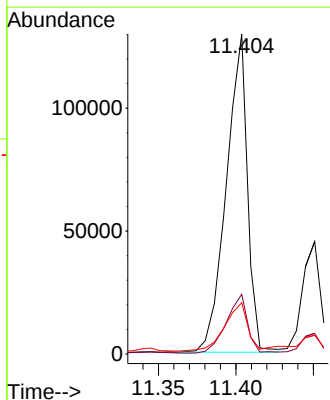
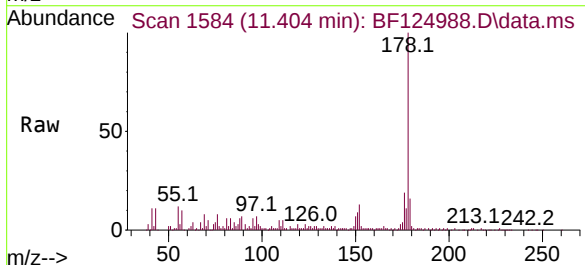
Instrument :  
 BNA\_F  
 ClientSampled :  
 289

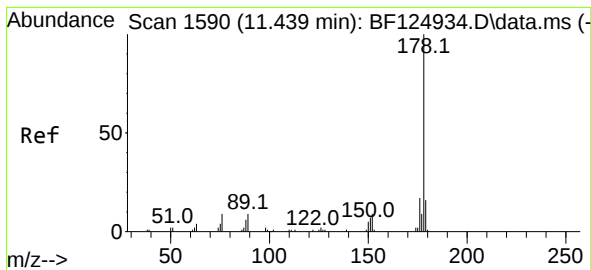
Tgt Ion:266 Resp: 117  
 Ion Ratio Lower Upper  
 266 100  
 268 0.0 48.9 73.3#  
 264 0.0 55.9 83.9#



#71  
 Phenanthrene  
 Concen: 120.71 ng  
 RT: 11.404 min Scan# 1584  
 Delta R.T. 0.024 min  
 Lab File: BF124988.D  
 Acq: 7 Aug 2021 22:50

Tgt Ion:178 Resp: 122772  
 Ion Ratio Lower Upper  
 178 100  
 176 18.7 14.7 22.1  
 179 16.0 11.5 17.3

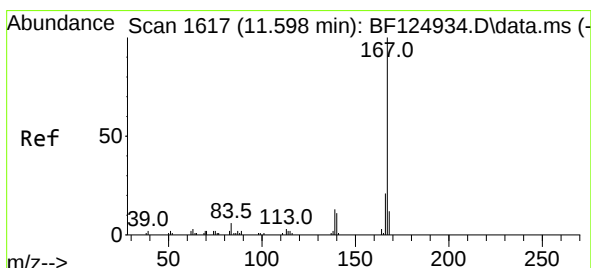
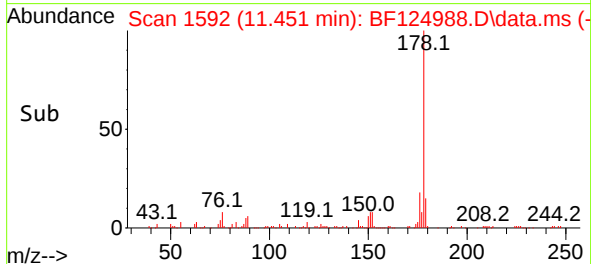
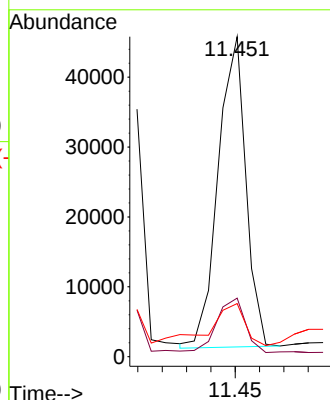
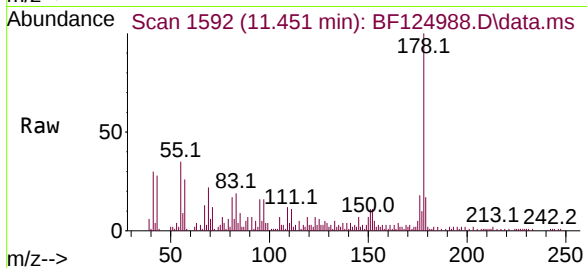




#72  
 Anthracene  
 Concen: 34.40 ng  
 RT: 11.451 min Scan# 1592  
 Delta R.T. 0.018 min  
 Lab File: BF124988.D  
 Acq: 7 Aug 2021 22:50

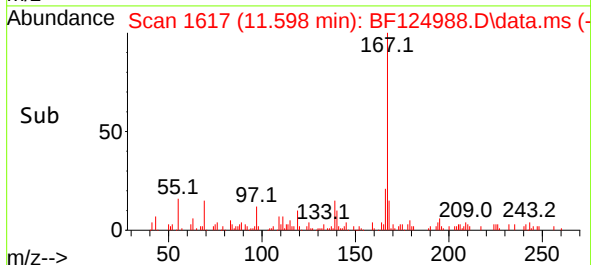
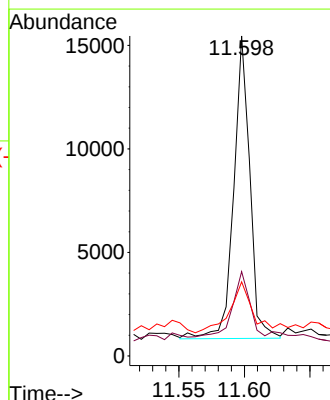
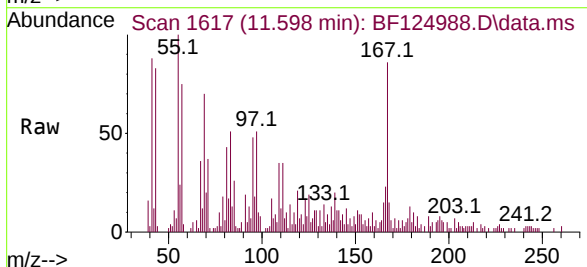
Instrument :  
 BNA\_F  
 ClientSampled :  
 289

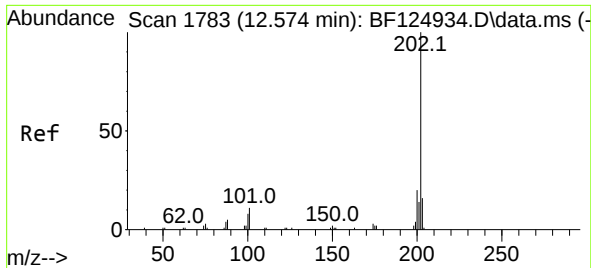
Tgt Ion:178 Resp: 35098  
 Ion Ratio Lower Upper  
 178 100  
 176 18.3 14.3 21.5  
 179 16.6 12.2 18.4



#73  
 Carbazole  
 Concen: 13.37 ng  
 RT: 11.598 min Scan# 1617  
 Delta R.T. 0.012 min  
 Lab File: BF124988.D  
 Acq: 7 Aug 2021 22:50

Tgt Ion:167 Resp: 12508  
 Ion Ratio Lower Upper  
 167 100  
 166 26.4 17.4 26.0#  
 139 23.1 11.0 16.4#

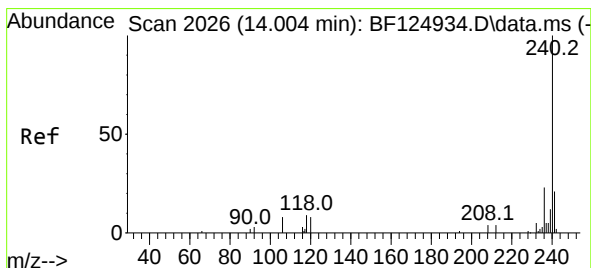
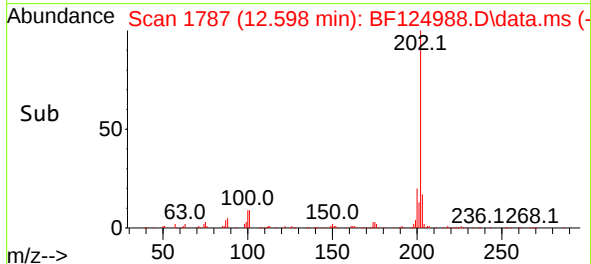
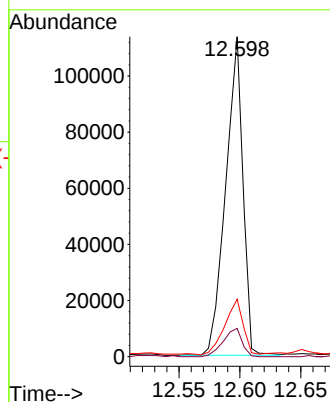
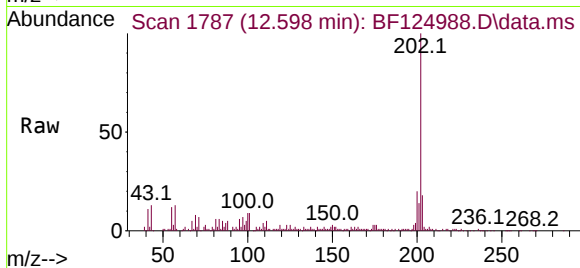




#75  
Fluoranthene  
Concen: 106.48 ng  
RT: 12.598 min Scan# 1787  
Delta R.T. 0.035 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

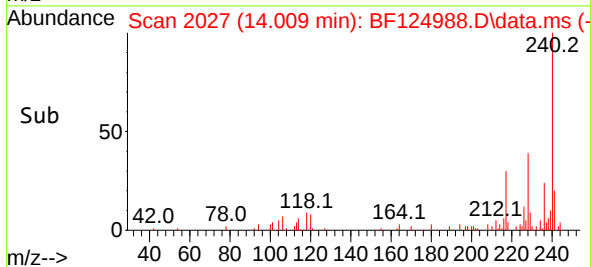
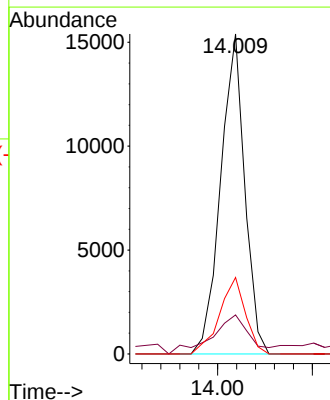
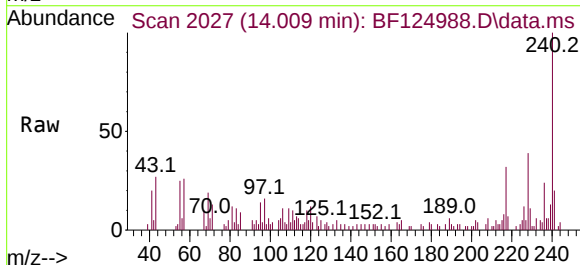
Instrument :  
BNA\_F  
ClientSampleId :  
289

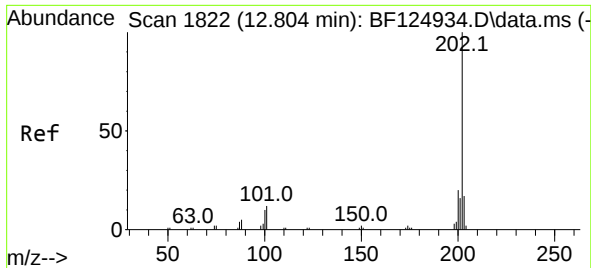
Tgt Ion:202 Resp: 112036  
Ion Ratio Lower Upper  
202 100  
101 8.9 0.0 30.7  
203 18.0 0.0 36.3



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.009 min Scan# 2027  
Delta R.T. 0.018 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

Tgt Ion:240 Resp: 13584  
Ion Ratio Lower Upper  
240 100  
120 12.2 10.8 16.2  
236 23.9 21.6 32.4

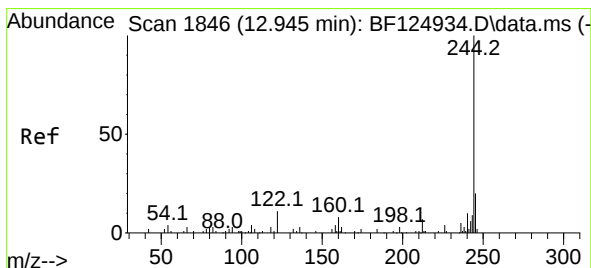
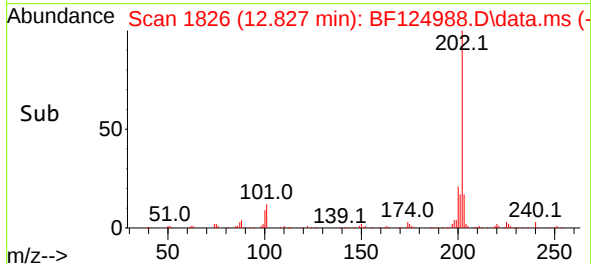
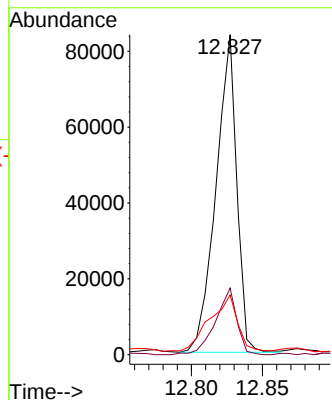
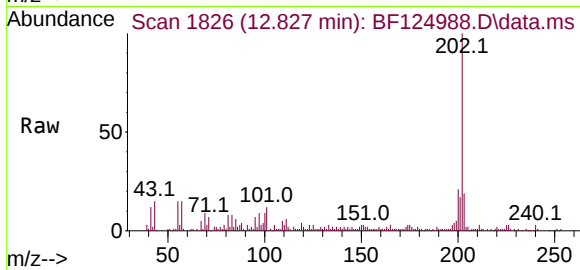




#78  
Pyrene  
Concen: 79.76 ng  
RT: 12.827 min Scan# 1826  
Delta R.T. 0.035 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

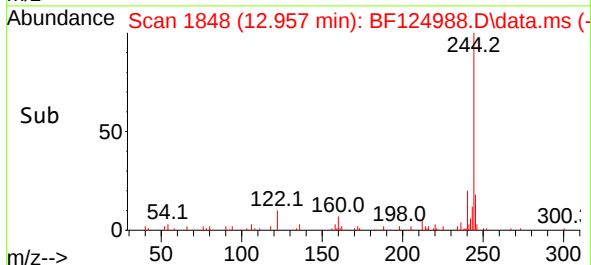
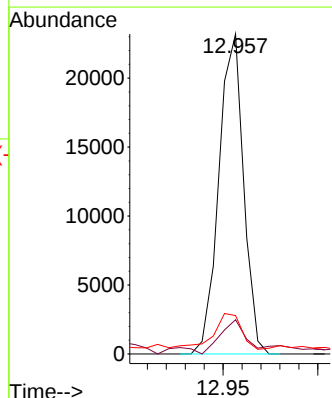
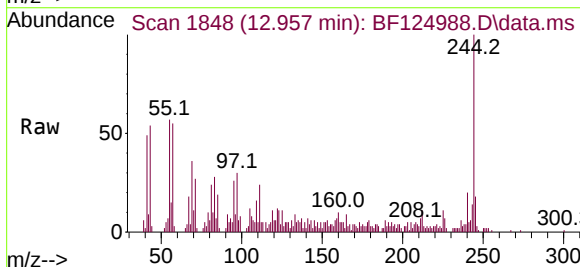
Instrument :  
BNA\_F  
ClientSampled :  
289

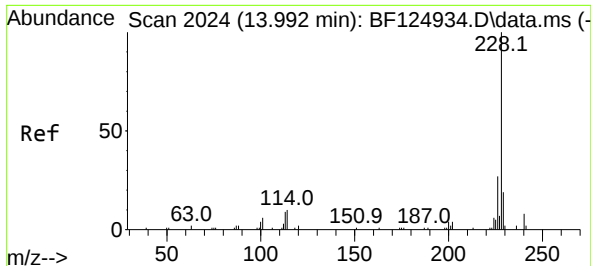
Tgt Ion:202 Resp: 85343  
Ion Ratio Lower Upper  
202 100  
200 20.8 15.3 22.9  
203 18.6 13.4 20.0



#79  
Terphenyl-d14  
Concen: 26.15 ng  
RT: 12.957 min Scan# 1848  
Delta R.T. 0.018 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

Tgt Ion:244 Resp: 21056  
Ion Ratio Lower Upper  
244 100  
212 10.7 5.9 8.9#  
122 12.0 9.0 13.4

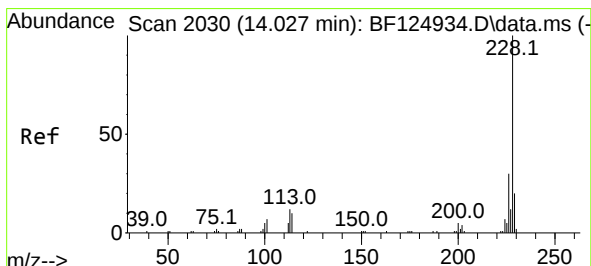
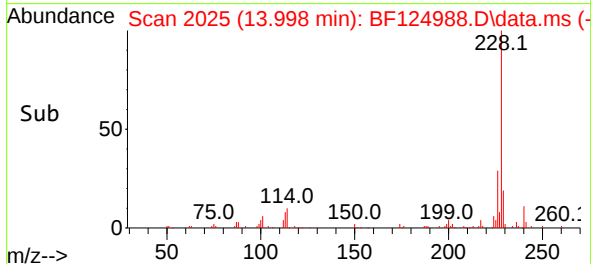
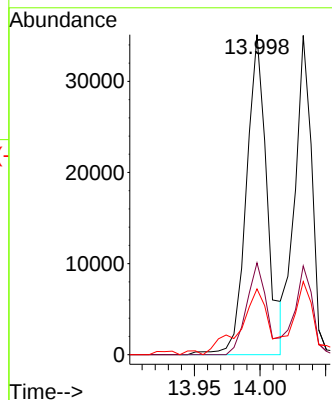
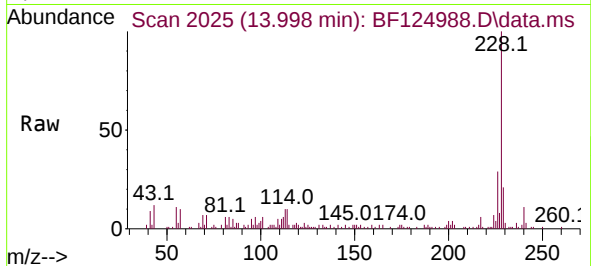




#81  
Benzo(a)anthracene  
Concen: 43.27 ng  
RT: 13.998 min Scan# 2025  
Delta R.T. 0.018 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

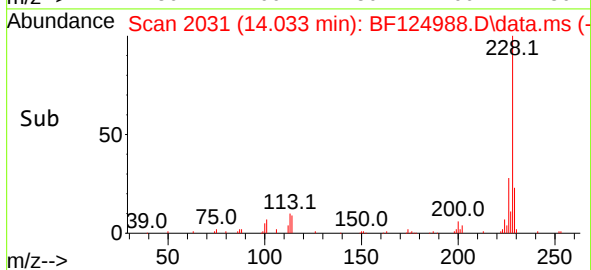
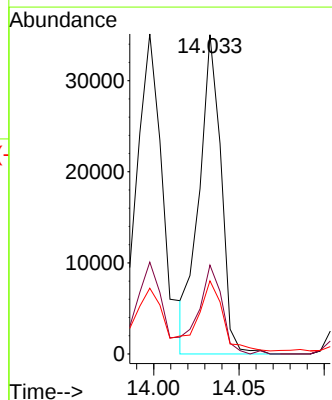
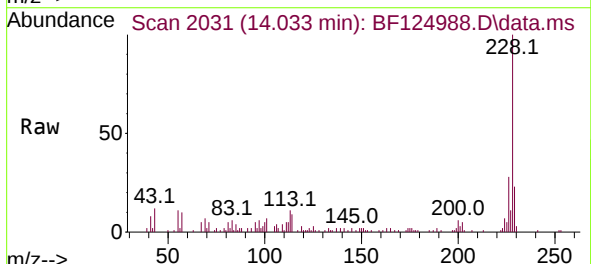
Instrument :  
BNA\_F  
ClientSampleId :  
289

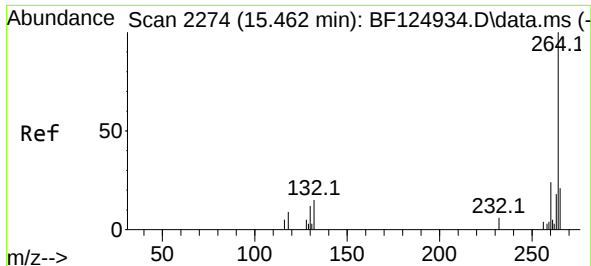
Tgt Ion:228 Resp: 38303  
Ion Ratio Lower Upper  
228 100  
226 28.7 21.6 32.4  
229 20.6 15.6 23.4



#83  
Chrysene  
Concen: 36.68 ng  
RT: 14.033 min Scan# 2031  
Delta R.T. 0.012 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

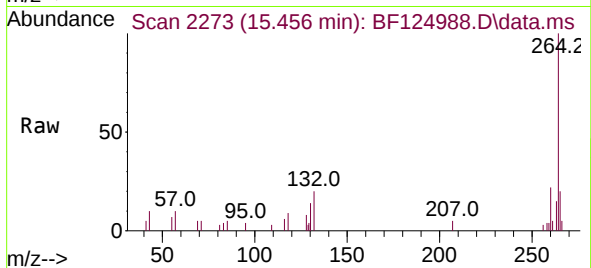
Tgt Ion:228 Resp: 31388  
Ion Ratio Lower Upper  
228 100  
226 27.8 22.6 34.0  
229 22.9 15.9 23.9



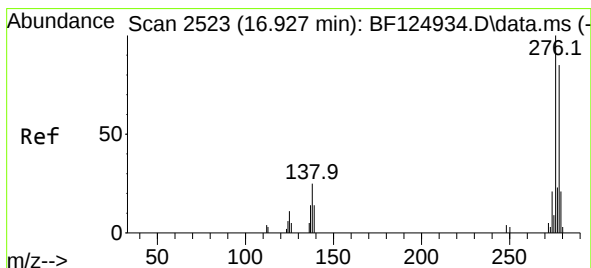
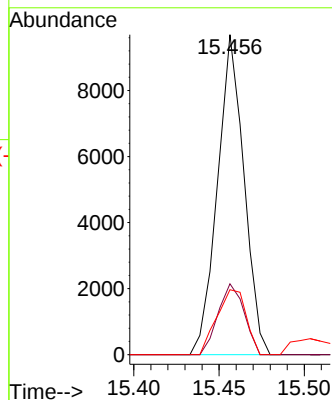
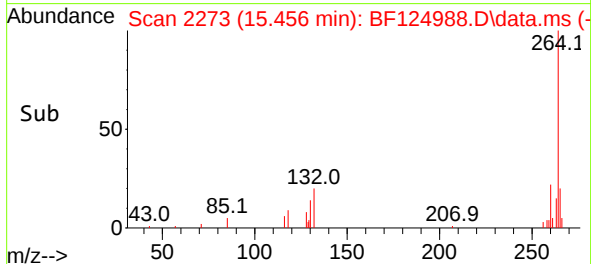


#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.456 min Scan# 2273  
Delta R.T. 0.012 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

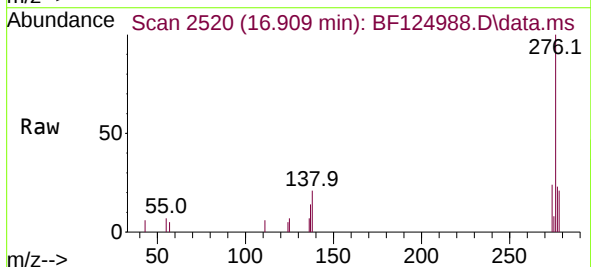
Instrument :  
BNA\_F  
ClientSampled :  
289



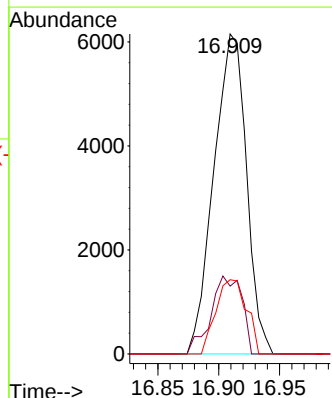
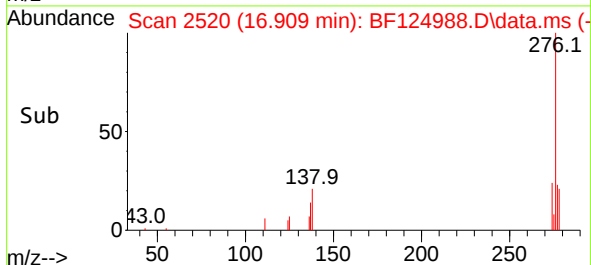
Tgt Ion:264 Resp: 10476  
Ion Ratio Lower Upper  
264 100  
260 22.1 19.6 29.4  
265 20.3 17.2 25.8

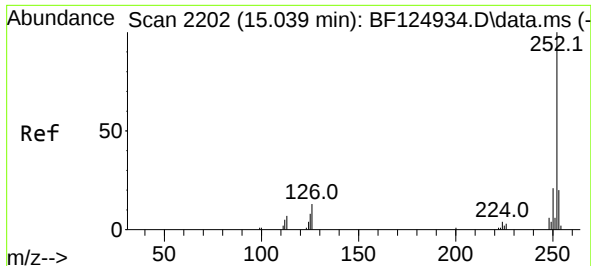


#87  
Indeno(1,2,3-cd)pyrene  
Concen: 18.37 ng  
RT: 16.909 min Scan# 2520  
Delta R.T. 0.006 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50



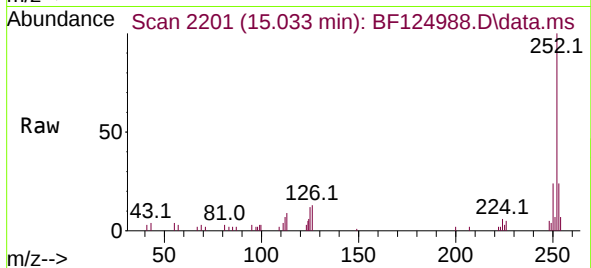
Tgt Ion:276 Resp: 11459  
Ion Ratio Lower Upper  
276 100  
138 23.1 24.1 36.1#  
277 21.6 18.8 28.2



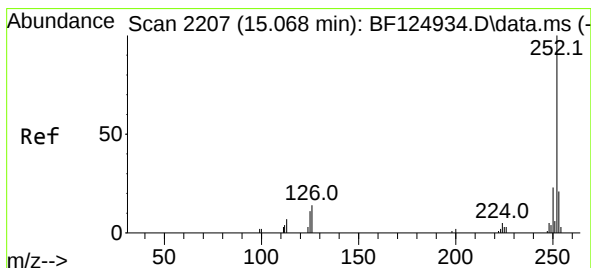
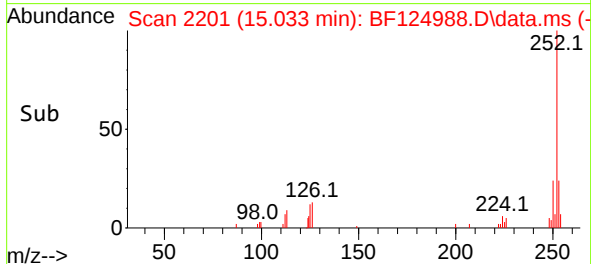
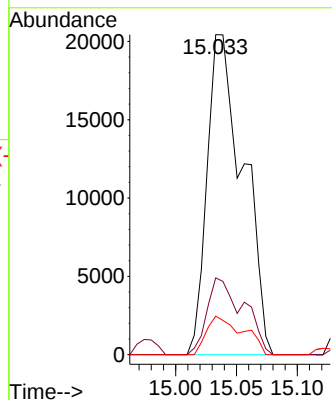


#88  
Benzo(b)fluoranthene  
Concen: 57.20 ng  
RT: 15.033 min Scan# 2201  
Delta R.T. 0.012 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

Instrument :  
BNA\_F  
ClientSampled :  
289

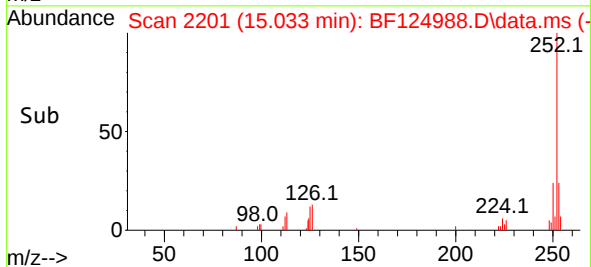
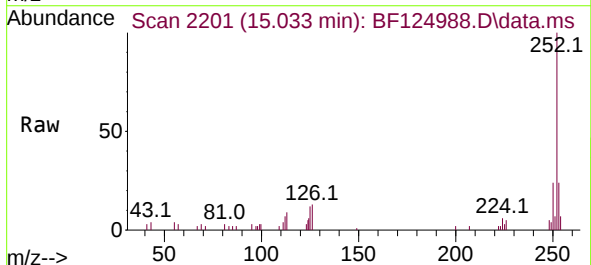
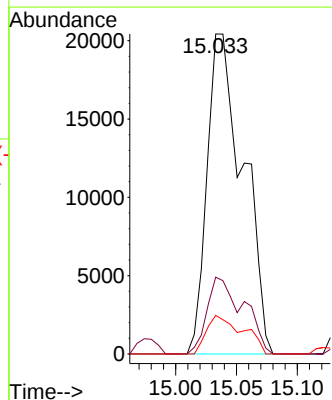


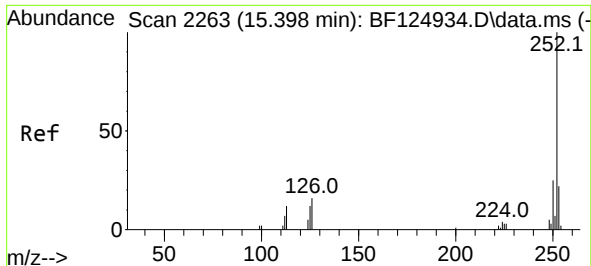
Tgt Ion:252 Resp: 42079  
Ion Ratio Lower Upper  
252 100  
253 24.0 16.8 25.2  
125 12.0 9.8 14.8



#89  
Benzo(k)fluoranthene  
Concen: 62.88 ng  
RT: 15.033 min Scan# 2201  
Delta R.T. -0.018 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

Tgt Ion:252 Resp: 42079  
Ion Ratio Lower Upper  
252 100  
253 24.0 17.8 26.8  
125 12.0 7.2 10.8#

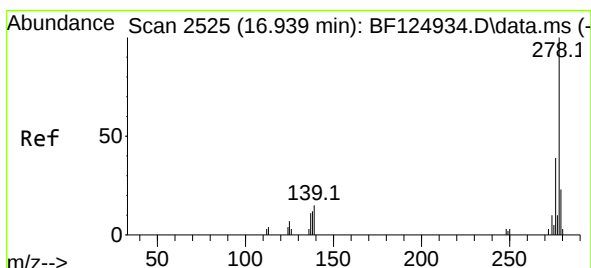
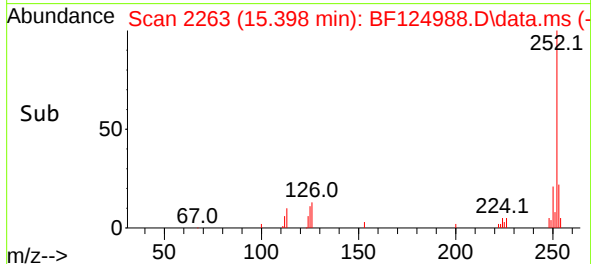
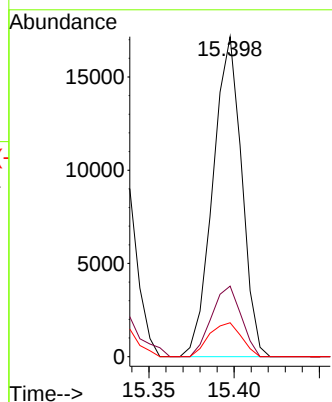
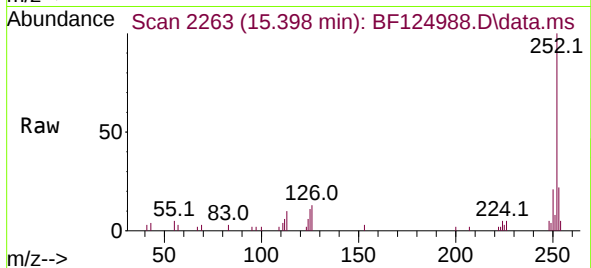




#90  
Benzo(a)pyrene  
Concen: 32.21 ng  
RT: 15.398 min Scan# 2263  
Delta R.T. 0.012 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

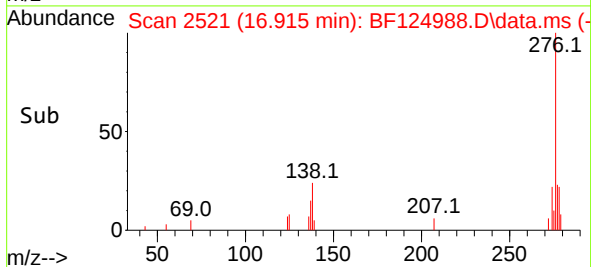
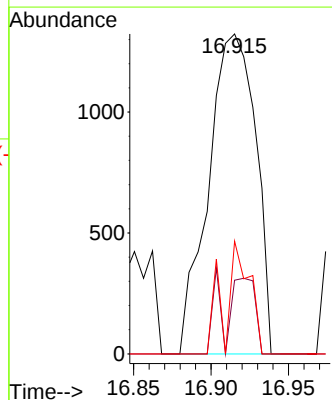
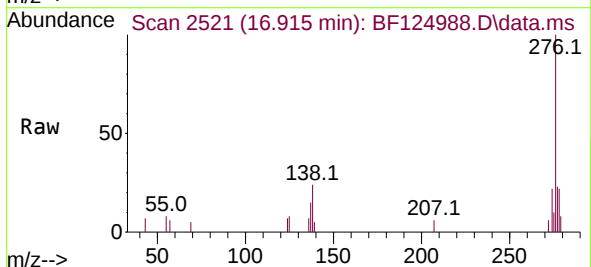
Instrument :  
BNA\_F  
ClientSampled :  
289

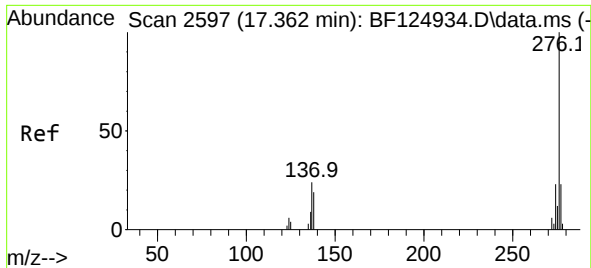
Tgt Ion:252 Resp: 20177  
Ion Ratio Lower Upper  
252 100  
253 22.1 18.4 27.6  
125 10.6 9.9 14.9



#91  
Dibenzo(a,h)anthracene  
Concen: 5.12 ng  
RT: 16.915 min Scan# 2521  
Delta R.T. 0.000 min  
Lab File: BF124988.D  
Acq: 7 Aug 2021 22:50

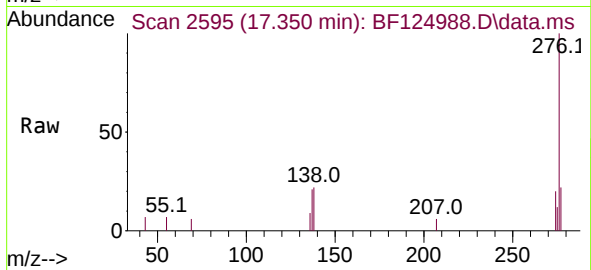
Tgt Ion:278 Resp: 2809  
Ion Ratio Lower Upper  
278 100  
139 23.1 14.9 22.3#  
279 35.2 19.7 29.5#





#92  
 Benzo(g,h,i)perylene  
 Concen: 18.66 ng  
 RT: 17.350 min Scan# 2595  
 Delta R.T. 0.012 min  
 Lab File: BF124988.D  
 Acq: 7 Aug 2021 22:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 289



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 9816  |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 277      | 22.2  | 22.0  | 33.0  |
| 138      | 22.4  | 22.2  | 33.4  |

