

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF073021\  
 Data File : BF124876.D  
 Acq On : 30 Jul 2021 15:05  
 Operator : JU/CG  
 Sample : M3217-02  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 280

Quant Time: Jul 30 16:11:17 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 22 15:28:57 2021  
 Response via : Initial Calibration

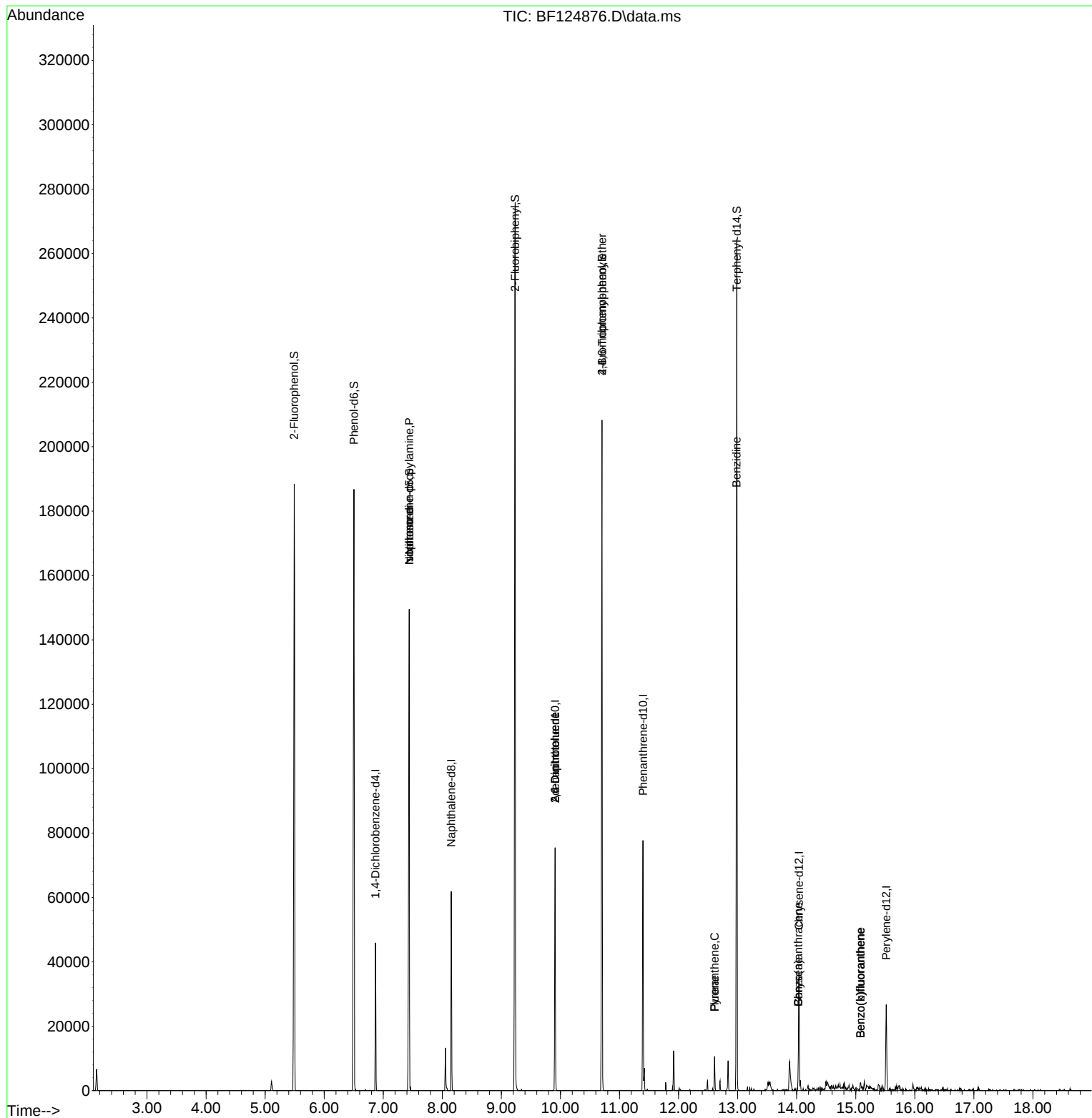
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 6066     | 20.000  | ng    | # 0.00   |
| 21) Naphthalene-d8            | 8.151  | 136  | 26126    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.910  | 164  | 15273    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 28186    | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.039 | 240  | 14721    | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.515 | 264  | 13668    | 20.000  | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.493  | 112  | 55800    | 155.751 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.504  | 99   | 68926    | 153.462 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.439  | 82   | 46544    | 106.032 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 21358    | 162.872 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 90994    | 87.506  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 88232    | 102.739 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.439  | 70   | 6201     | 25.855  | ng    | # 71     |
| 25) Isophorone                | 7.439  | 82   | 46544    | 59.966  | ng    | # 59     |
| 51) 2,6-Dinitrotoluene        | 9.910  | 165  | 1908     | 8.212   | ng    | # 26     |
| 57) 2,4-Dinitrotoluene        | 9.910  | 165  | 1908     | 6.052   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.704 | 248  | 1683     | 5.630   | ng    | # 1      |
| 75) Fluoranthene              | 12.610 | 202  | 5021     | 3.246   | ng    | 94       |
| 77) Benzidine                 | 12.980 | 184  | 1404     | 3.382   | ng    | # 69     |
| 78) Pyrene                    | 12.610 | 202  | 5021     | 4.308   | ng    | 96       |
| 81) Benzo(a)anthracene        | 14.027 | 228  | 1956     | 2.033   | ng    | 96       |
| 83) Chrysene                  | 14.027 | 228  | 1956     | 2.110   | ng    | 95       |
| 88) Benzo(b)fluoranthene      | 15.080 | 252  | 2871     | 2.983   | ng    | # 81     |
| 89) Benzo(k)fluoranthene      | 15.080 | 252  | 2871     | 3.265   | ng    | # 87     |
| -----                         |        |      |          |         |       |          |

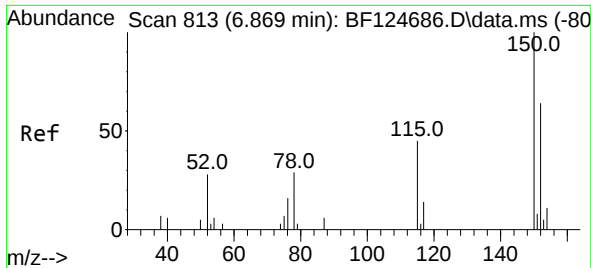
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF073021\  
Data File : BF124876.D  
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Sample : M3217-02  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
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280

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072221.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 22 15:28:57 2021  
Response via : Initial Calibration

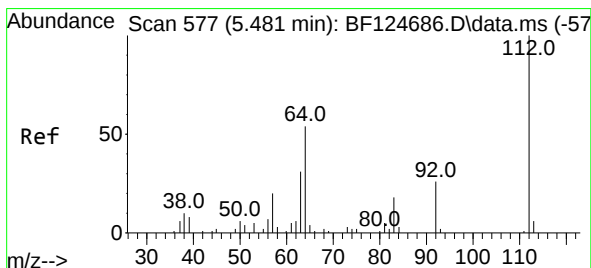
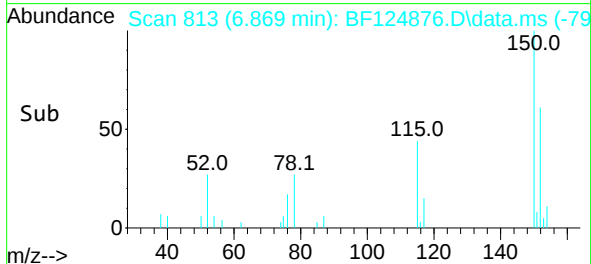
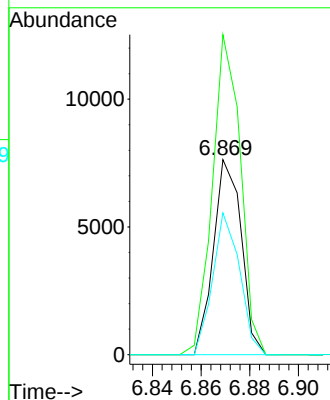
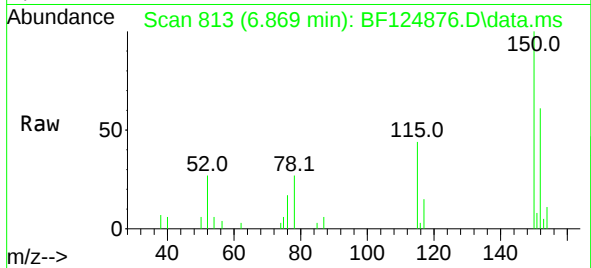




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 813  
Delta R.T. -0.000 min  
Lab File: BF124876.D  
Acq: 30 Jul 2021 15:05

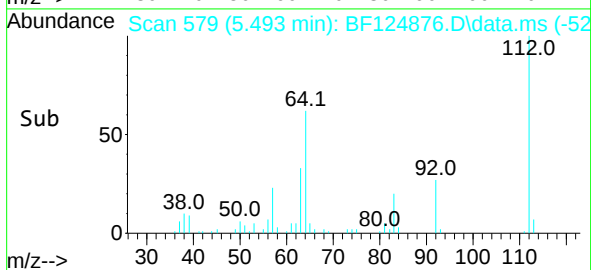
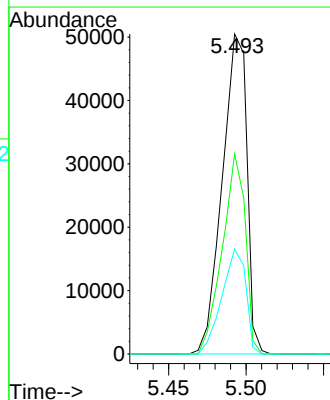
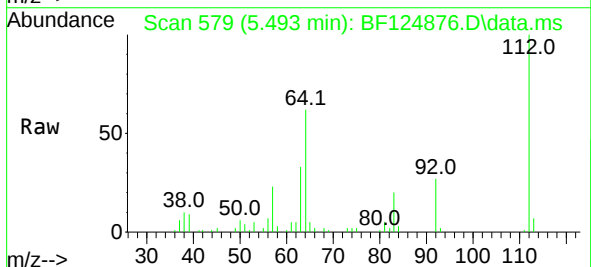
Instrument :  
BNA\_F  
ClientSampleId :  
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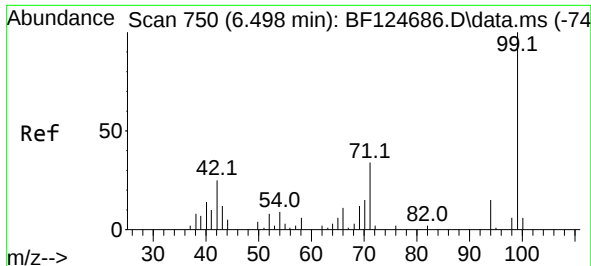
Tgt Ion:152 Resp: 6066  
Ion Ratio Lower Upper  
152 100  
150 164.0 117.6 176.4  
115 72.7 47.1 70.7#



#5  
2-Fluorophenol  
Concen: 155.751 ng  
RT: 5.493 min Scan# 579  
Delta R.T. 0.012 min  
Lab File: BF124876.D  
Acq: 30 Jul 2021 15:05

Tgt Ion:112 Resp: 55800  
Ion Ratio Lower Upper  
112 100  
64 62.5 44.2 66.2  
63 32.8 26.2 39.2

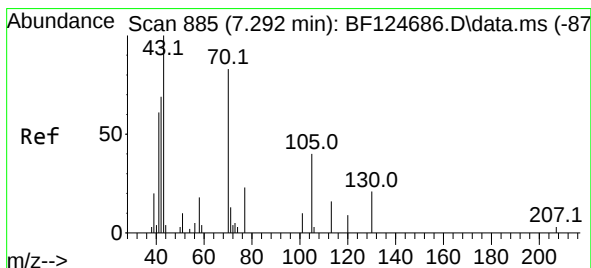
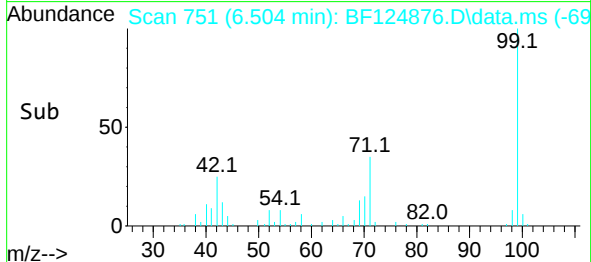
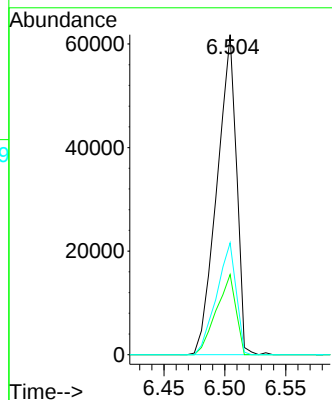
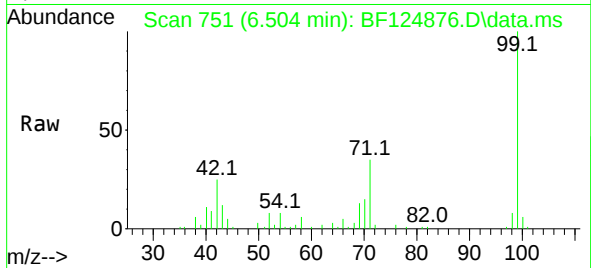




#7  
Phenol-d6  
Concen: 153.462 ng  
RT: 6.504 min Scan# 751  
Delta R.T. 0.006 min  
Lab File: BF124876.D  
Acq: 30 Jul 2021 15:05

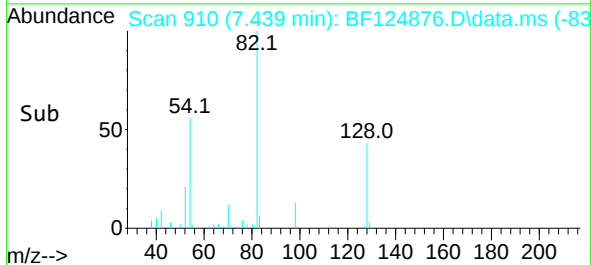
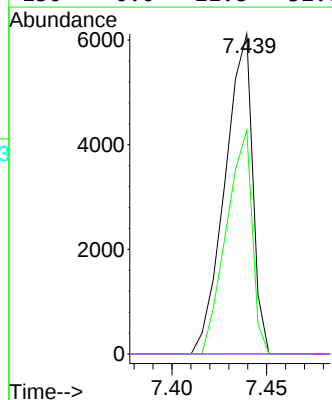
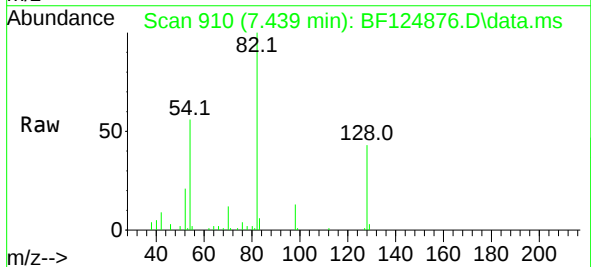
Instrument :  
BNA\_F  
ClientSampleId :  
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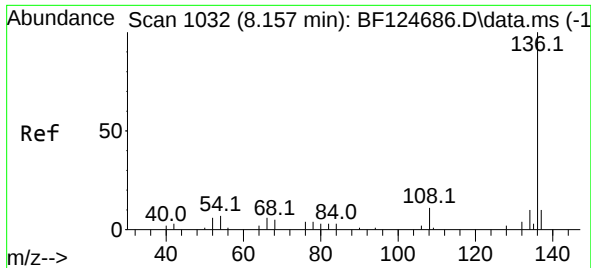
Tgt Ion: 99 Resp: 68926  
Ion Ratio Lower Upper  
99 100  
42 25.0 23.5 35.3  
71 35.0 25.6 38.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 25.855 ng  
RT: 7.439 min Scan# 910  
Delta R.T. 0.147 min  
Lab File: BF124876.D  
Acq: 30 Jul 2021 15:05

Tgt Ion: 70 Resp: 6201  
Ion Ratio Lower Upper  
70 100  
42 69.8 72.2 108.2#  
101 0.0 7.8 11.8#  
130 0.0 21.8 32.6#

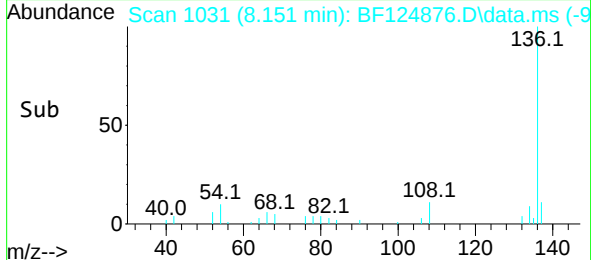
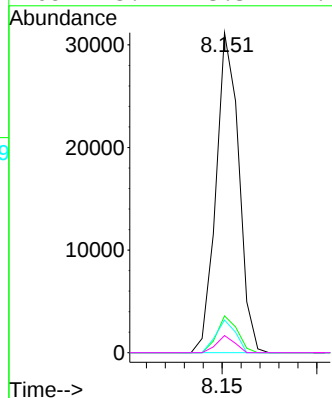
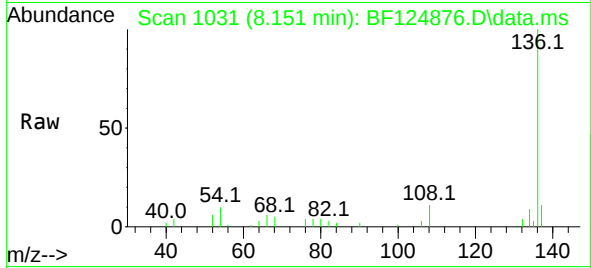




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF124876.D  
Acq: 30 Jul 2021 15:05

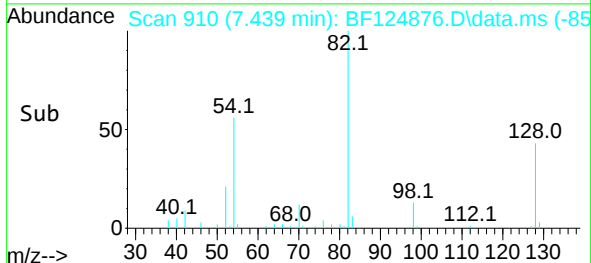
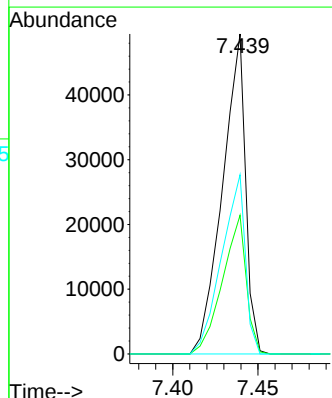
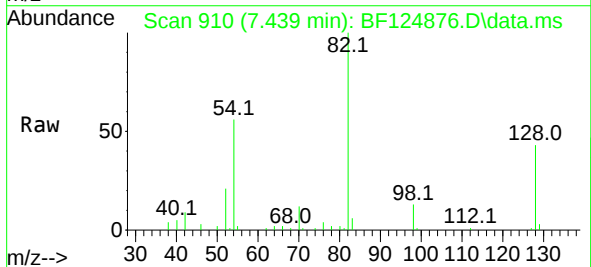
Instrument :  
BNA\_F  
ClientSampleId :  
280

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 26126    |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.5  | 9.8 14.6 |
| 54          | 10.2  | 6.4 9.6# |
| 68          | 5.4   | 3.3 4.9# |



#23  
Nitrobenzene-d5  
Concen: 106.032 ng  
RT: 7.439 min Scan# 910  
Delta R.T. 0.000 min  
Lab File: BF124876.D  
Acq: 30 Jul 2021 15:05

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 46544     |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 43.3  | 40.6 60.8 |
| 54          | 56.0  | 49.6 74.4 |

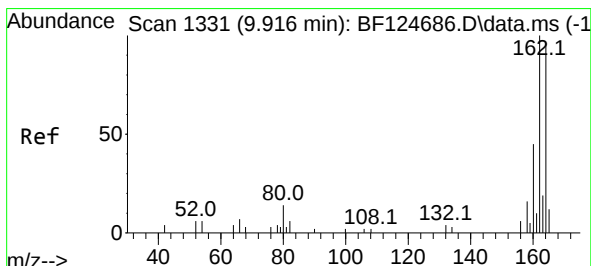
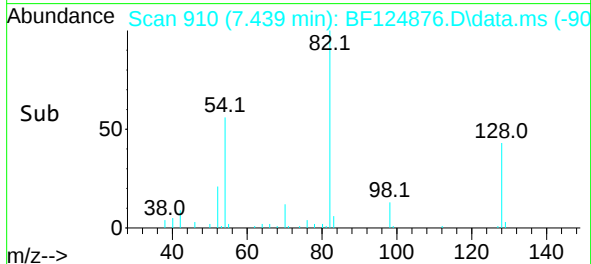
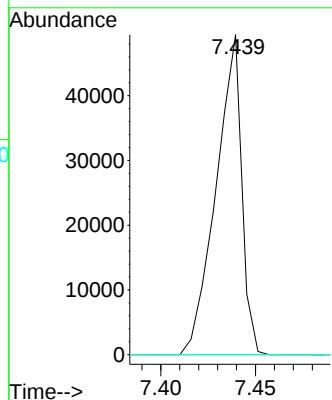
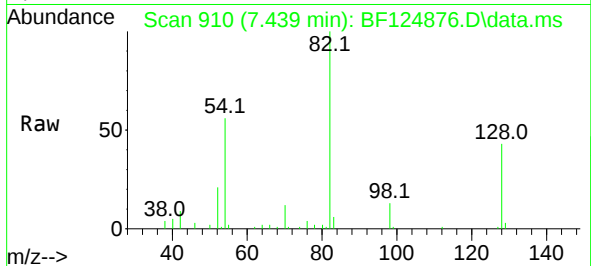




#25  
Isophorone  
Concen: 59.966 ng  
RT: 7.439 min Scan# 910  
Delta R.T. -0.259 min  
Lab File: BF124876.D  
Acq: 30 Jul 2021 15:05

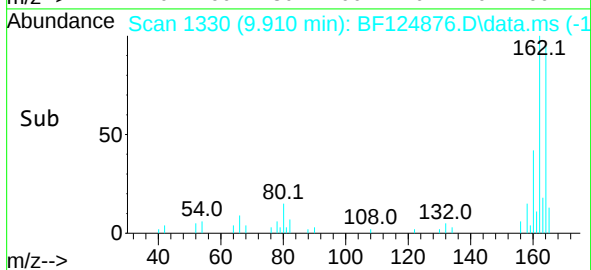
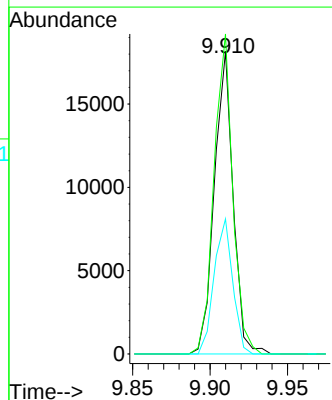
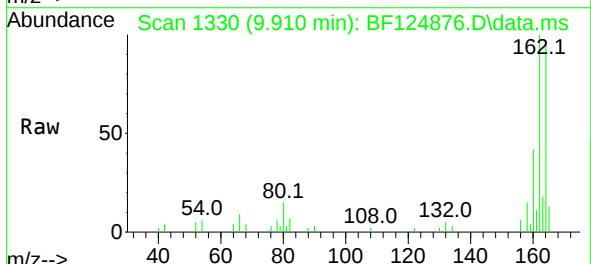
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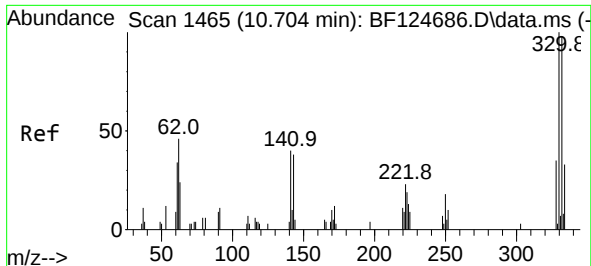
Tgt Ion: 82 Resp: 46544  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.5 9.7#  
138 0.0 18.4 27.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. -0.006 min  
Lab File: BF124876.D  
Acq: 30 Jul 2021 15:05

Tgt Ion: 164 Resp: 15273  
Ion Ratio Lower Upper  
164 100  
162 105.8 81.3 121.9  
160 44.7 38.0 57.0

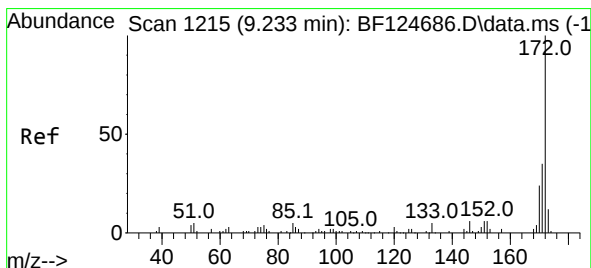
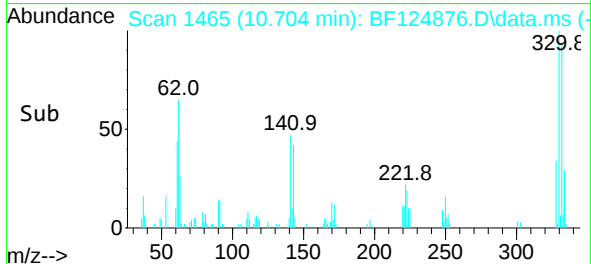
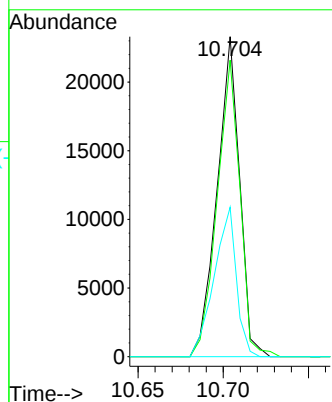
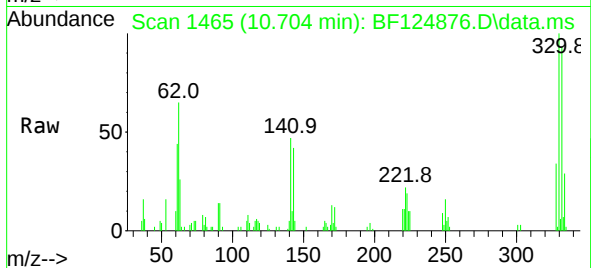




#42  
2,4,6-Tribromophenol  
Concen: 162.872 ng  
RT: 10.704 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: BF124876.D  
Acq: 30 Jul 2021 15:05

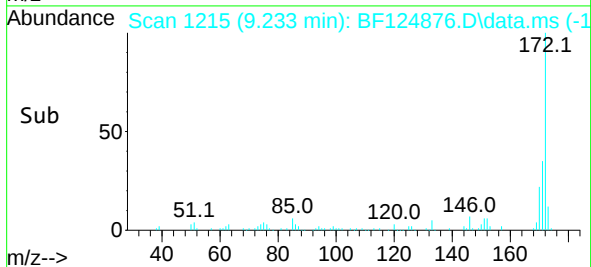
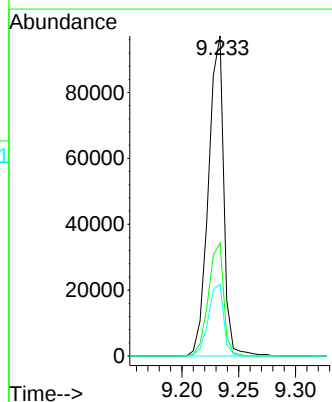
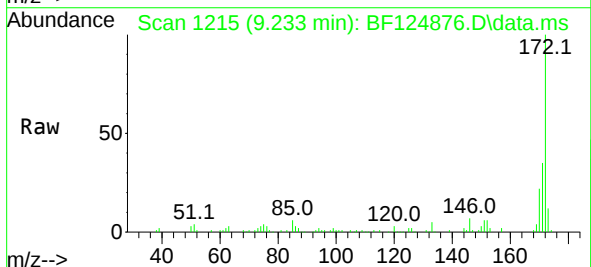
Instrument :  
BNA\_F  
ClientSampled :  
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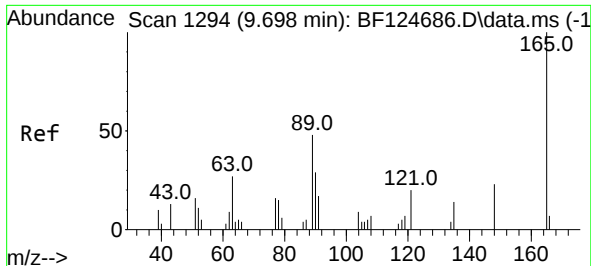
Tgt Ion: 330 Resp: 21358  
Ion Ratio Lower Upper  
330 100  
332 93.8 76.2 114.4  
141 46.2 44.6 66.8



#45  
2-Fluorobiphenyl  
Concen: 87.506 ng  
RT: 9.233 min Scan# 1215  
Delta R.T. 0.000 min  
Lab File: BF124876.D  
Acq: 30 Jul 2021 15:05

Tgt Ion: 172 Resp: 90994  
Ion Ratio Lower Upper  
172 100  
171 35.2 26.5 39.7  
170 22.4 18.8 28.2

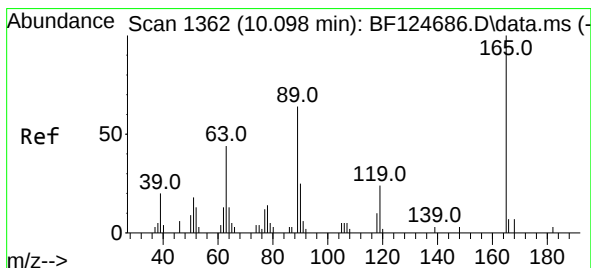
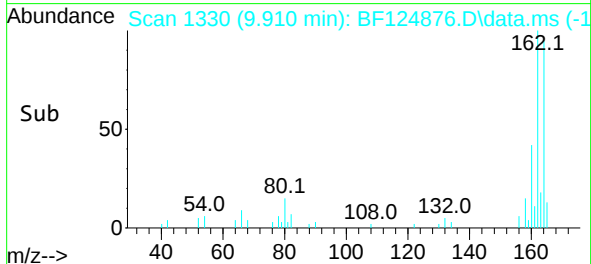
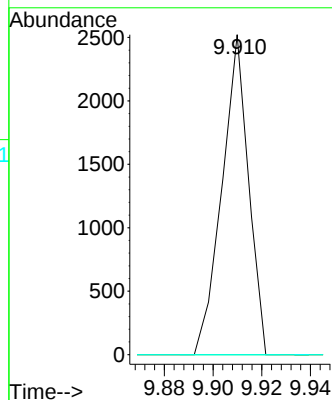
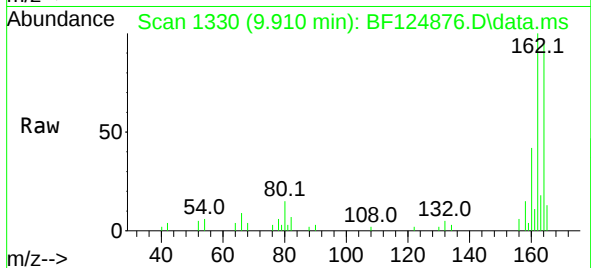




#51  
2,6-Dinitrotoluene  
Concen: 8.212 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. 0.212 min  
Lab File: BF124876.D  
Acq: 30 Jul 2021 15:05

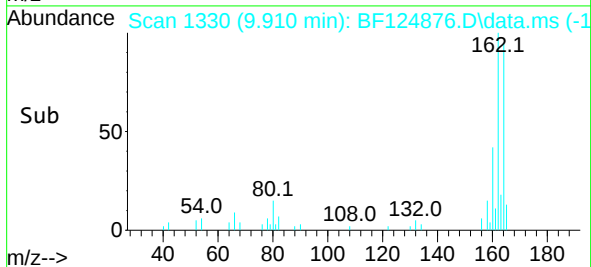
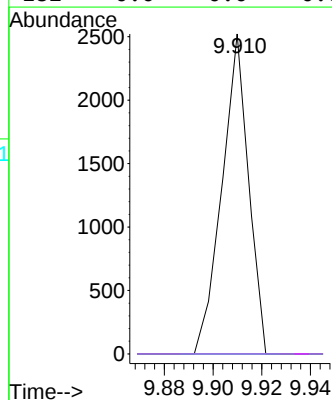
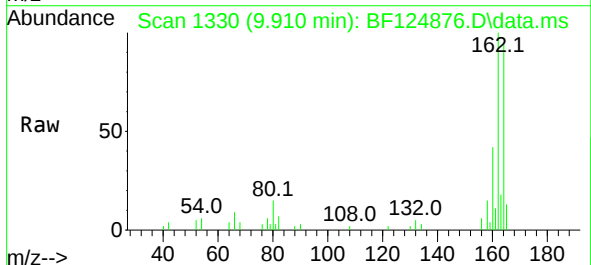
Instrument :  
BNA\_F  
ClientSampled :  
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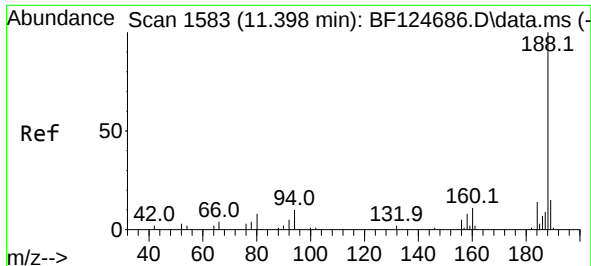
Tgt Ion:165 Resp: 1908  
Ion Ratio Lower Upper  
165 100  
63 0.0 42.6 63.8#  
89 0.0 40.6 60.8#



#57  
2,4-Dinitrotoluene  
Concen: 6.052 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. -0.188 min  
Lab File: BF124876.D  
Acq: 30 Jul 2021 15:05

Tgt Ion:165 Resp: 1908  
Ion Ratio Lower Upper  
165 100  
63 0.0 40.9 61.3#  
89 0.0 59.7 89.5#  
182 0.0 0.0 0.0

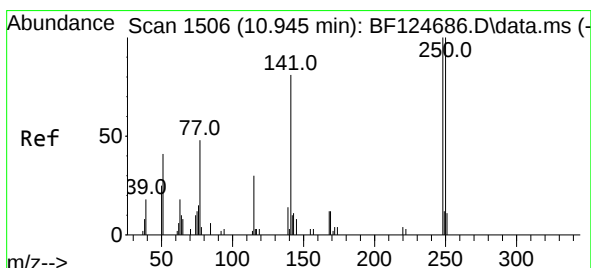
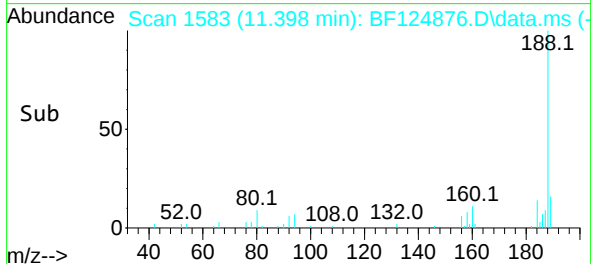
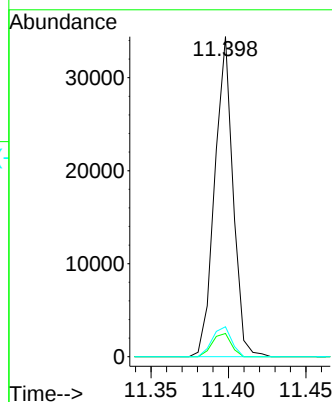
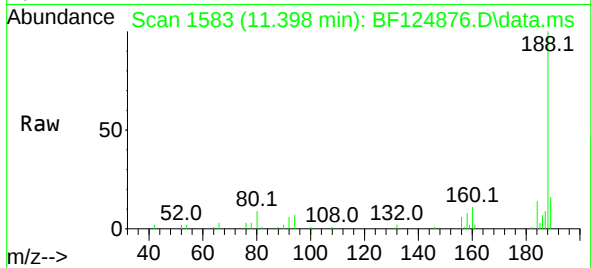




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 1583  
Delta R.T. 0.000 min  
Lab File: BF124876.D  
Acq: 30 Jul 2021 15:05

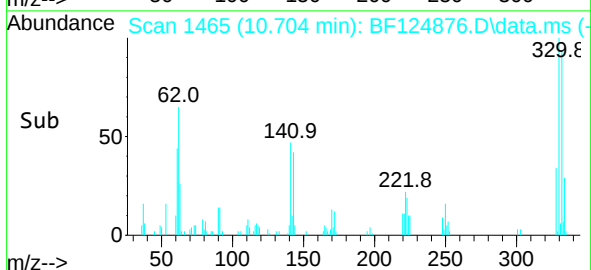
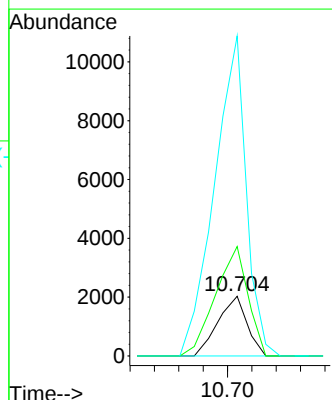
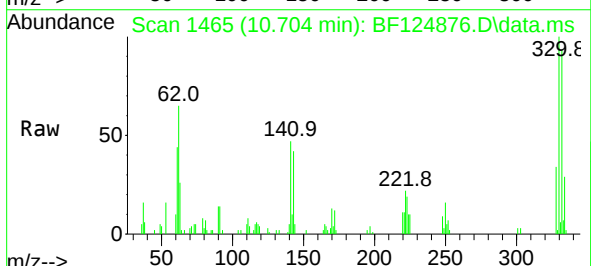
Instrument :  
BNA\_F  
ClientSampleId :  
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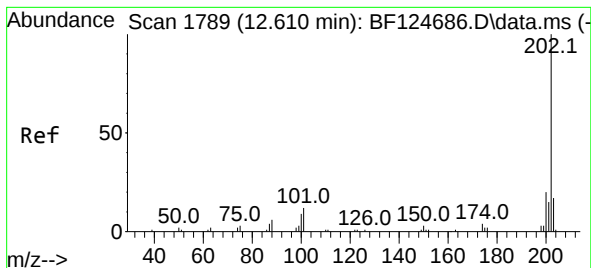
Tgt Ion:188 Resp: 28186  
Ion Ratio Lower Upper  
188 100  
94 7.2 6.7 10.1  
80 9.4 7.5 11.3



#67  
4-Bromophenyl-phenylether  
Concen: 5.630 ng  
RT: 10.704 min Scan# 1465  
Delta R.T. -0.241 min  
Lab File: BF124876.D  
Acq: 30 Jul 2021 15:05

Tgt Ion:248 Resp: 1683  
Ion Ratio Lower Upper  
248 100  
250 183.4 74.2 111.4#  
141 536.5 60.4 90.6#

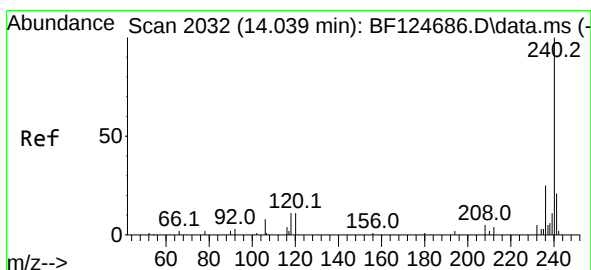
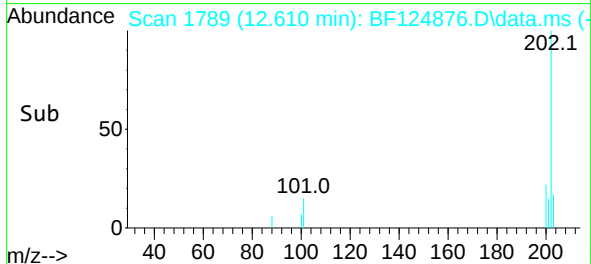
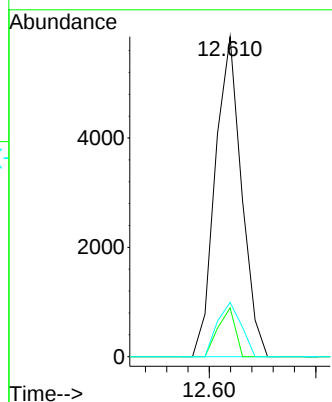
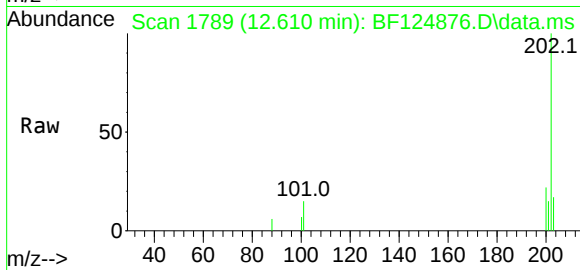




#75  
Fluoranthene  
Concen: 3.246 ng  
RT: 12.610 min Scan# 1789  
Delta R.T. -0.000 min  
Lab File: BF124876.D  
Acq: 30 Jul 2021 15:05

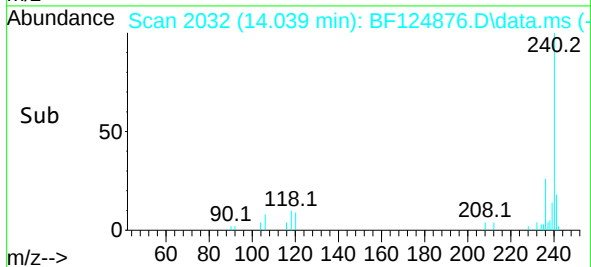
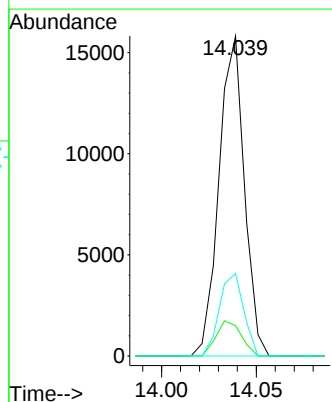
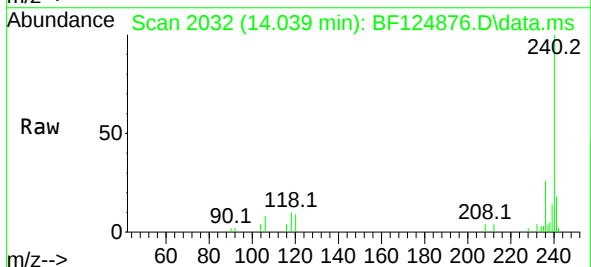
Instrument :  
BNA\_F  
ClientSampled :  
280

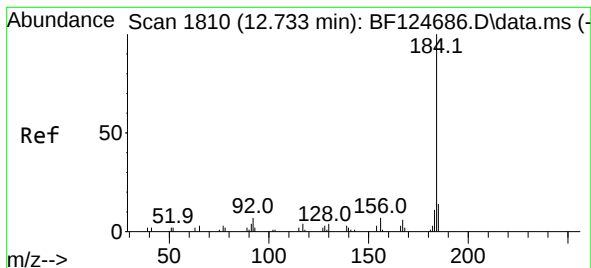
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:202 | Resp: | 5021     |
| Ion Ratio   | Lower | Upper    |
| 202         | 100   |          |
| 101         | 15.3  | 0.0 30.7 |
| 203         | 16.9  | 0.0 36.3 |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 2032  
Delta R.T. -0.000 min  
Lab File: BF124876.D  
Acq: 30 Jul 2021 15:05

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:240 | Resp: | 14721      |
| Ion Ratio   | Lower | Upper      |
| 240         | 100   |            |
| 120         | 9.4   | 10.8 16.2# |
| 236         | 25.8  | 21.6 32.4  |





#77

Benzidine

Concen: 3.382 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.247 min

Lab File: BF124876.D

Acq: 30 Jul 2021 15:05

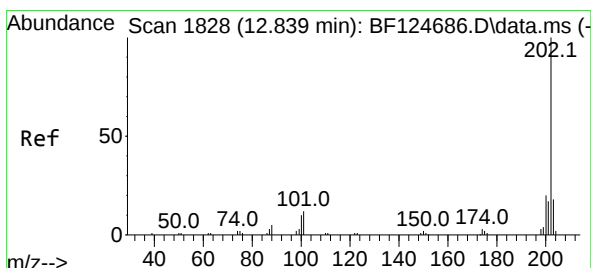
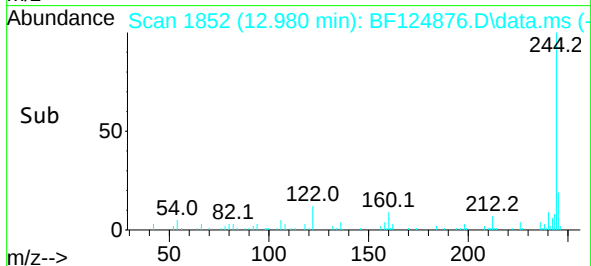
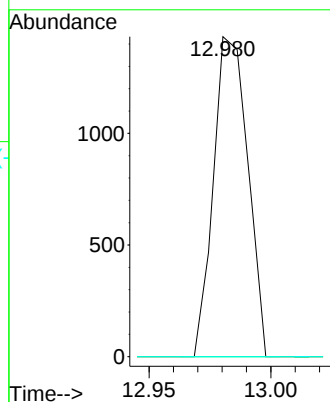
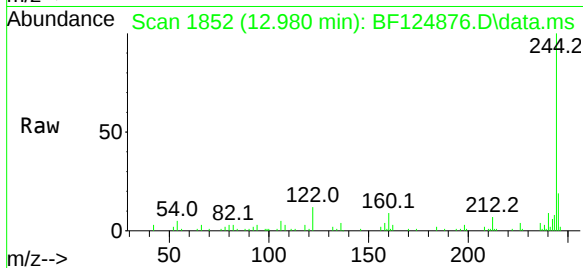
Instrument :

BNA\_F

ClientSampleId :

280

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:184 | Resp: | 1404       |
| Ion Ratio   | Lower | Upper      |
| 184         | 100   |            |
| 185         | 0.0   | 10.8 16.2# |
| 183         | 0.0   | 8.1 12.1#  |



#78

Pyrene

Concen: 4.308 ng

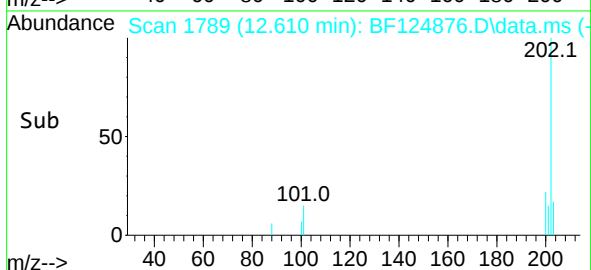
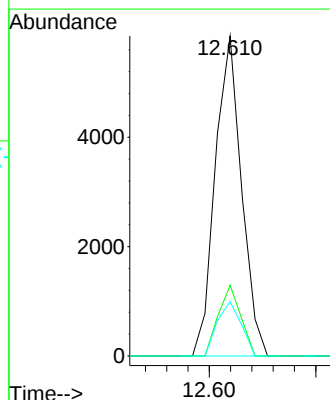
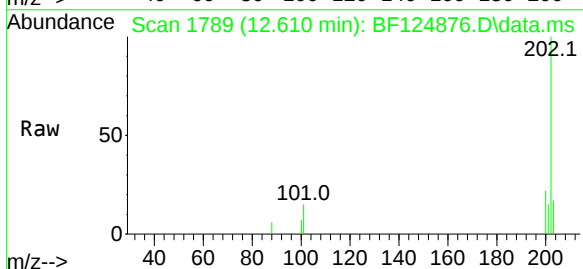
RT: 12.610 min Scan# 1789

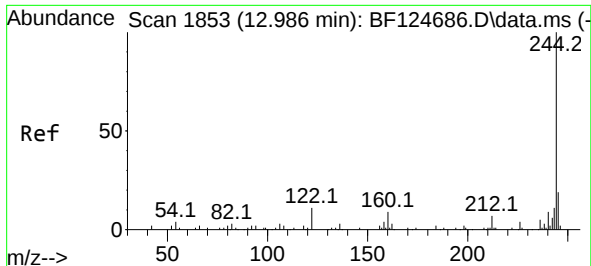
Delta R.T. -0.229 min

Lab File: BF124876.D

Acq: 30 Jul 2021 15:05

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:202 | Resp: | 5021      |
| Ion Ratio   | Lower | Upper     |
| 202         | 100   |           |
| 200         | 22.1  | 15.3 22.9 |
| 203         | 16.9  | 13.4 20.0 |

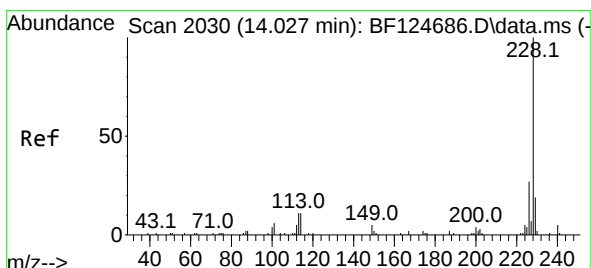
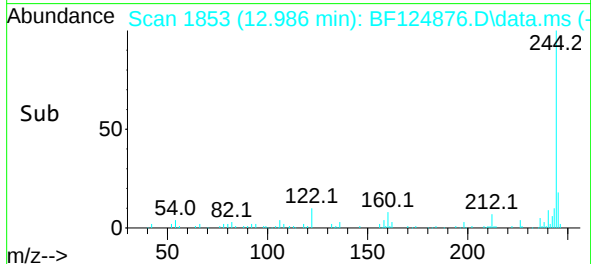
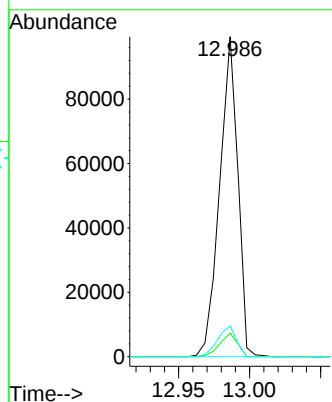
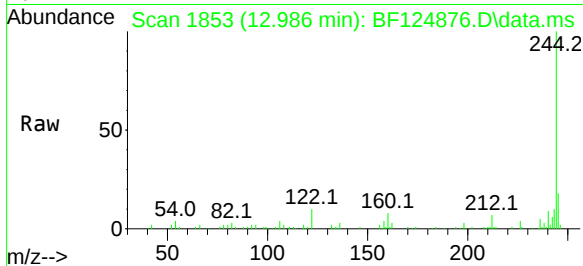




#79  
 Terphenyl-d14  
 Concen: 102.739 ng  
 RT: 12.986 min Scan# 1853  
 Delta R.T. 0.000 min  
 Lab File: BF124876.D  
 Acq: 30 Jul 2021 15:05

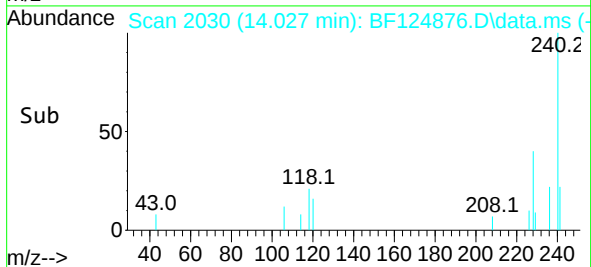
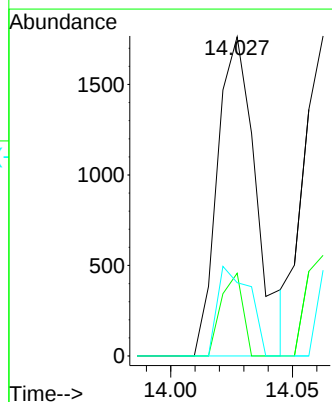
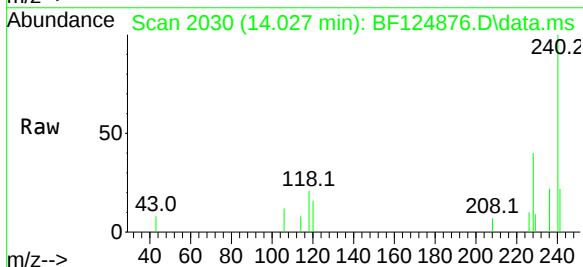
Instrument :  
 BNA\_F  
 ClientSampled :  
 280

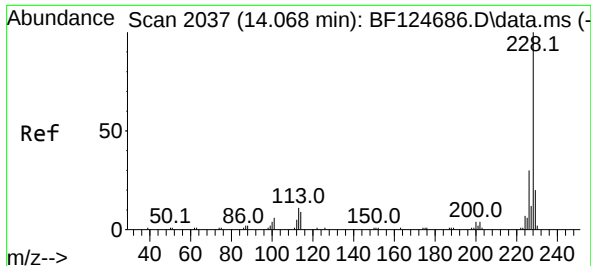
Tgt Ion:244 Resp: 88232  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 5.9 8.9  
 122 9.6 9.0 13.4



#81  
 Benzo(a)anthracene  
 Concen: 2.033 ng  
 RT: 14.027 min Scan# 2030  
 Delta R.T. -0.000 min  
 Lab File: BF124876.D  
 Acq: 30 Jul 2021 15:05

Tgt Ion:228 Resp: 1956  
 Ion Ratio Lower Upper  
 228 100  
 226 25.9 21.6 32.4  
 229 23.0 15.6 23.4

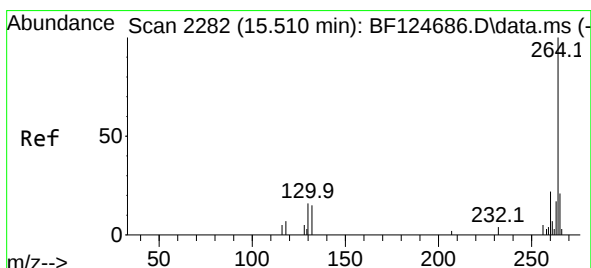
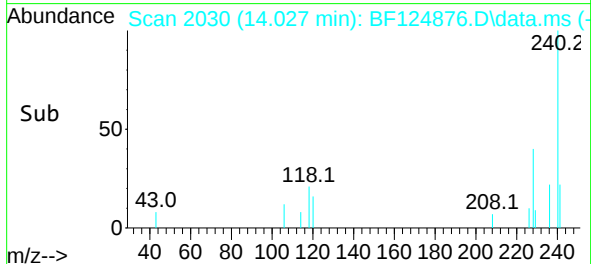
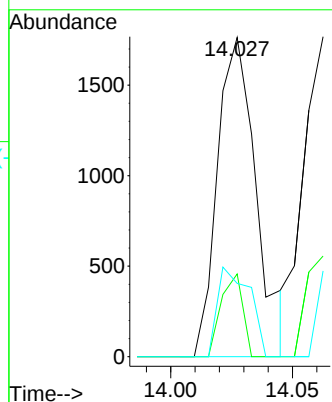
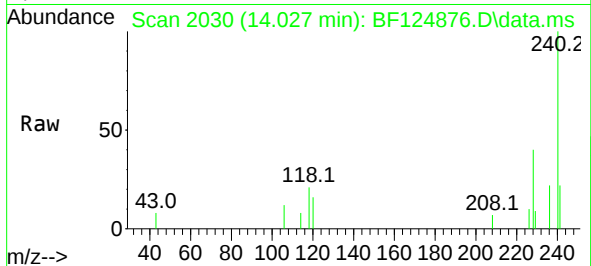




#83  
Chrysene  
Concen: 2.110 ng  
RT: 14.027 min Scan# 2030  
Delta R.T. -0.041 min  
Lab File: BF124876.D  
Acq: 30 Jul 2021 15:05

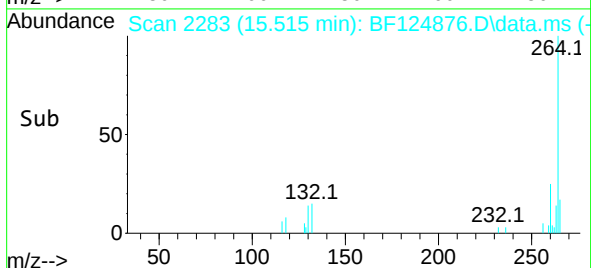
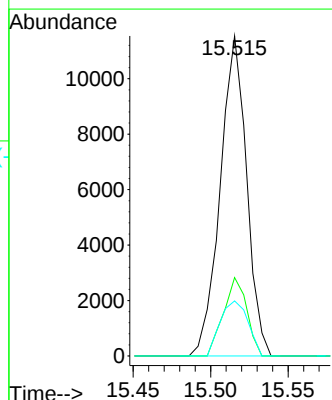
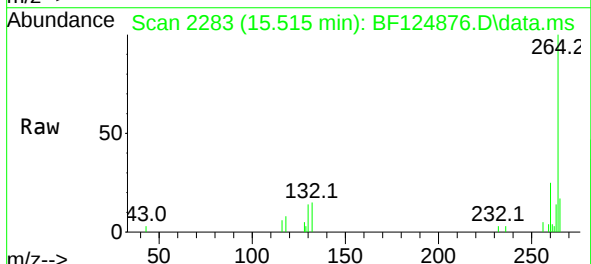
Instrument :  
BNA\_F  
ClientSampleId :  
280

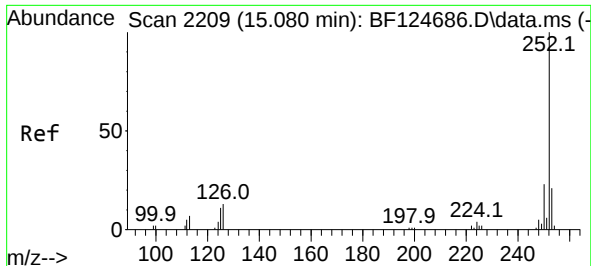
Tgt Ion:228 Resp: 1956  
Ion Ratio Lower Upper  
228 100  
226 25.9 22.6 34.0  
229 23.0 15.9 23.9



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.515 min Scan# 2283  
Delta R.T. 0.006 min  
Lab File: BF124876.D  
Acq: 30 Jul 2021 15:05

Tgt Ion:264 Resp: 13668  
Ion Ratio Lower Upper  
264 100  
260 24.5 19.6 29.4  
265 17.2 17.2 25.8#

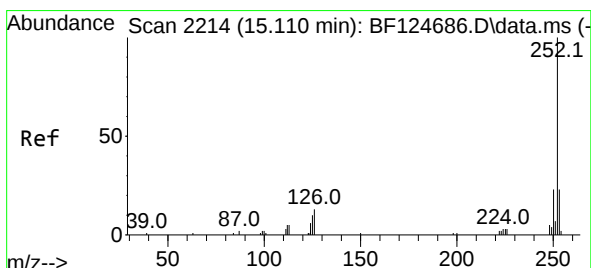
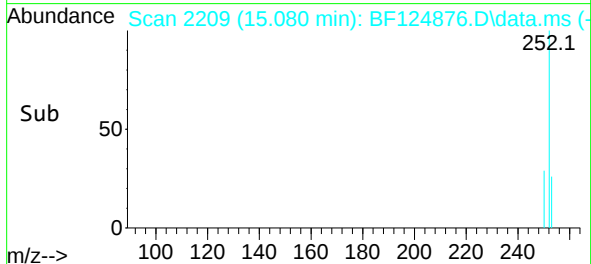
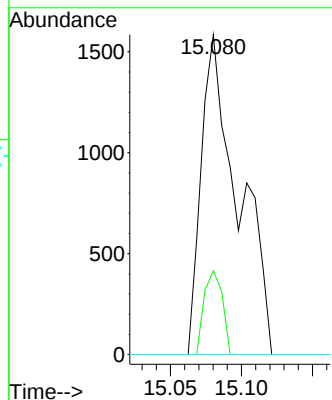
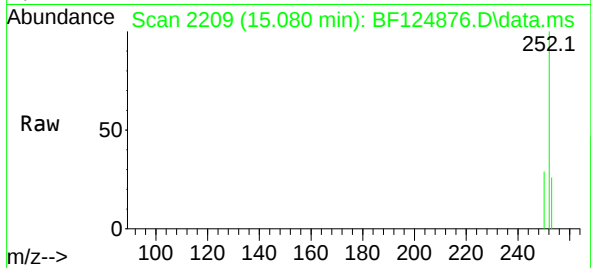




#88  
Benzo(b)fluoranthene  
Concen: 2.983 ng  
RT: 15.080 min Scan# 2209  
Delta R.T. 0.000 min  
Lab File: BF124876.D  
Acq: 30 Jul 2021 15:05

Instrument :  
BNA\_F  
ClientSampled :  
280

Tgt Ion:252 Resp: 2871  
Ion Ratio Lower Upper  
252 100  
253 26.2 16.8 25.2#  
125 0.0 9.8 14.8#



#89  
Benzo(k)fluoranthene  
Concen: 3.265 ng  
RT: 15.080 min Scan# 2209  
Delta R.T. -0.029 min  
Lab File: BF124876.D  
Acq: 30 Jul 2021 15:05

Tgt Ion:252 Resp: 2871  
Ion Ratio Lower Upper  
252 100  
253 26.2 17.8 26.8  
125 0.0 7.2 10.8#

