

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062121\  
 Data File : BF124396.D  
 Acq On : 21 Jun 2021 16:37  
 Operator : JU/CG  
 Sample : M2777-03  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 X-3

Quant Time: Jun 21 17:13:23 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF060321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 15 20:09:26 2021  
 Response via : Initial Calibration

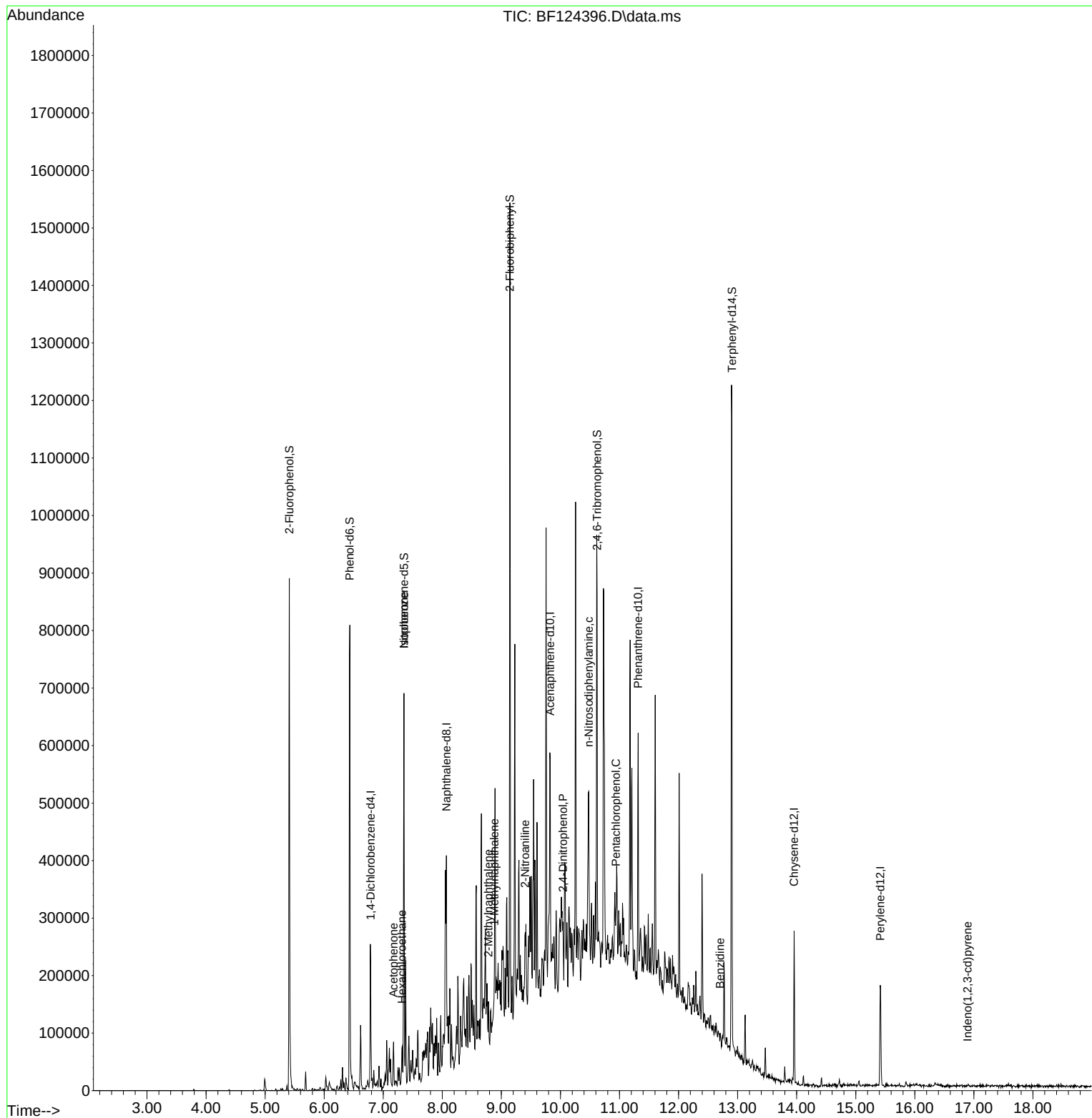
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.786  | 152  | 32273    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.069  | 136  | 118658   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.827  | 164  | 76178    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.316 | 188  | 129175   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12            | 13.957 | 240  | 80965    | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.415 | 264  | 78019    | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.410  | 112  | 191262   | 89.212 | ng    | 0.00     |
| 7) Phenol-d6                | 6.434  | 99   | 239852   | 83.232 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.351  | 82   | 180018   | 60.171 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.622 | 330  | 82546    | 76.484 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.145  | 172  | 348089   | 57.500 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.904 | 244  | 365210   | 61.930 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 18) Hexachloroethane        | 7.316  | 117  | 3050     | 2.769  | ng    | # 1      |
| 22) Acetophenone            | 7.175  | 105  | 10431    | 3.084  | ng    | # 54     |
| 25) Isophorone              | 7.351  | 82   | 179012   | 33.204 | ng    | # 69     |
| 37) 2-Methylnaphthalene     | 8.780  | 142  | 14514    | 2.917  | ng    | 98       |
| 38) 1-Methylnaphthalene     | 8.880  | 142  | 11324    | 2.436  | ng    | 90       |
| 48) 2-Nitroaniline          | 9.404  | 65   | 3845     | 2.036  | ng    | # 48     |
| 54) 2,4-Dinitrophenol       | 10.045 | 184  | 226      | 3.804  | ng    | # 1      |
| 66) n-Nitrosodiphenylamine  | 10.480 | 169  | 10105    | 2.059  | ng    | # 44     |
| 70) Pentachlorophenol       | 10.939 | 266  | 223      | 4.863  | ng    | # 18     |
| 77) Benzidine               | 12.704 | 184  | 268      | 4.191  | ng    | # 68     |
| 87) Indeno(1,2,3-cd)pyrene  | 16.892 | 276  | 295      | 4.377  | ng    | # 53     |
| -----                       |        |      |          |        |       |          |

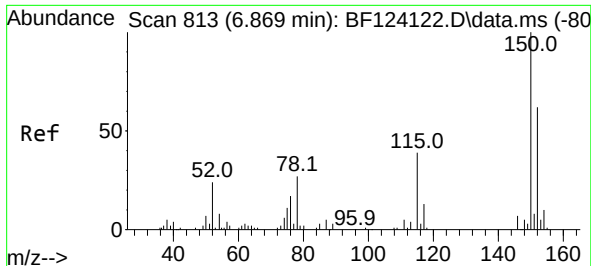
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
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QLast Update : Tue Jun 15 20:09:26 2021  
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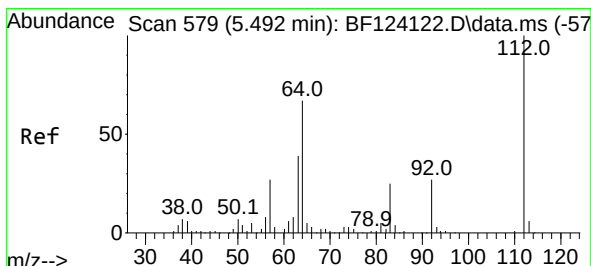
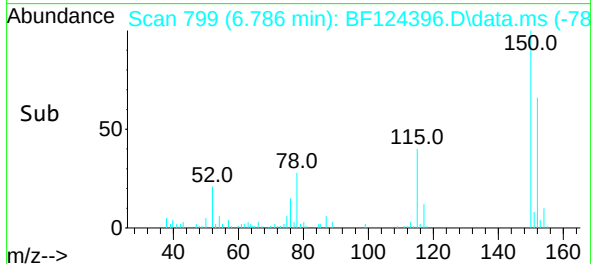
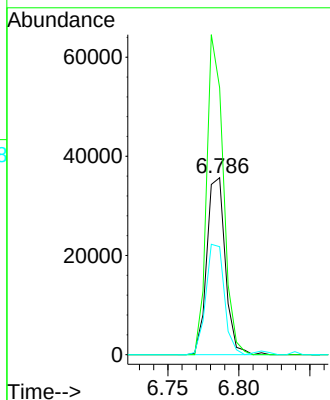
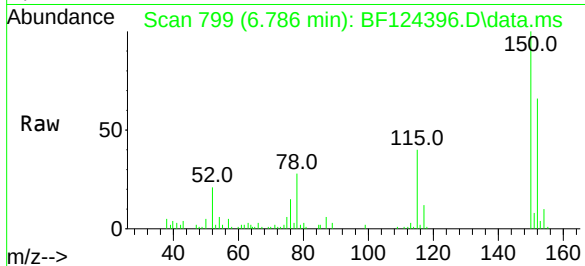




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.786 min Scan# 799  
 Delta R.T. 0.000 min  
 Lab File: BF124396.D  
 Acq: 21 Jun 2021 16:37

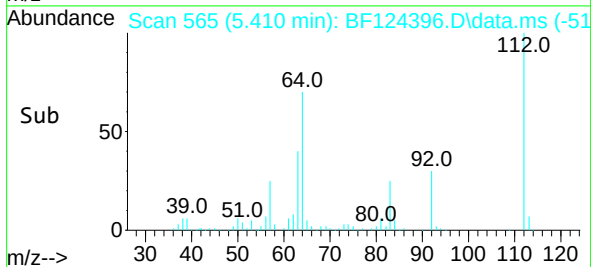
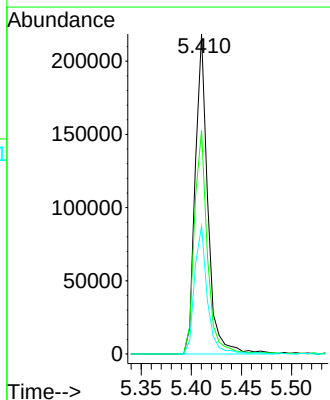
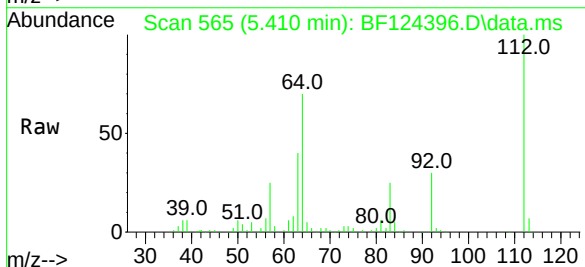
Instrument :  
 BNA\_F  
 ClientSampled :  
 X-3

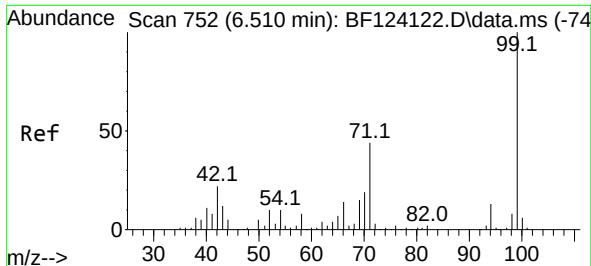
Tgt Ion:152 Resp: 32273  
 Ion Ratio Lower Upper  
 152 100  
 150 150.9 127.0 190.6  
 115 61.0 54.3 81.5



#5  
 2-Fluorophenol  
 Concen: 89.212 ng  
 RT: 5.410 min Scan# 565  
 Delta R.T. -0.006 min  
 Lab File: BF124396.D  
 Acq: 21 Jun 2021 16:37

Tgt Ion:112 Resp: 191262  
 Ion Ratio Lower Upper  
 112 100  
 64 69.8 61.4 92.0  
 63 40.0 33.0 49.4

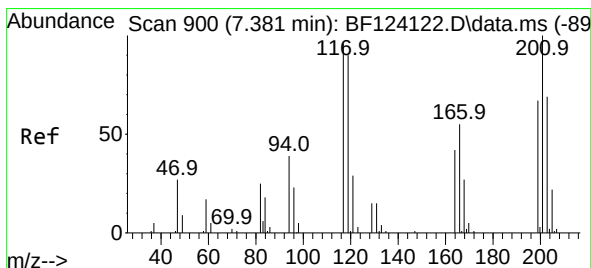
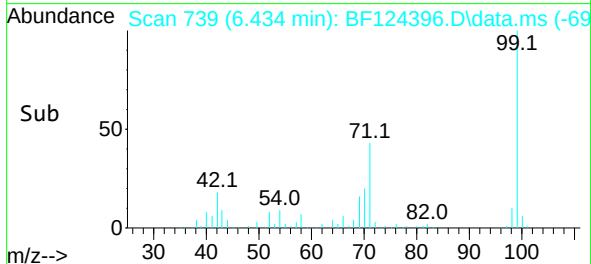
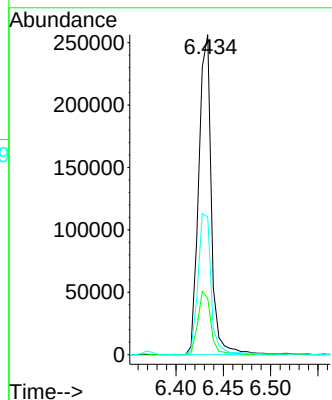
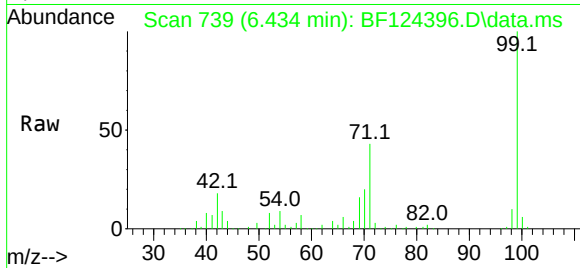




#7  
Phenol-d6  
Concen: 83.232 ng  
RT: 6.434 min Scan# 739  
Delta R.T. -0.012 min  
Lab File: BF124396.D  
Acq: 21 Jun 2021 16:37

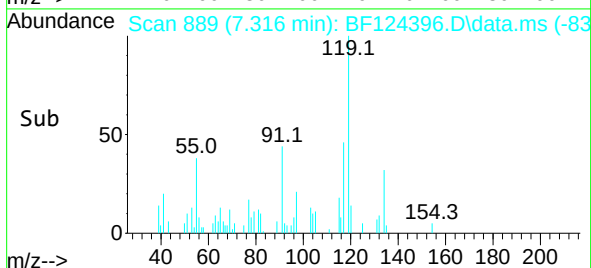
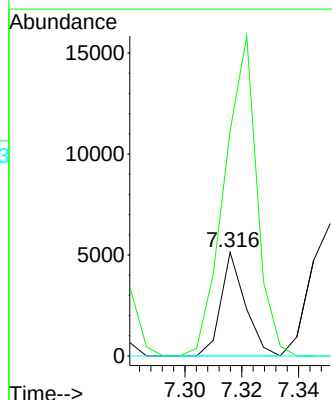
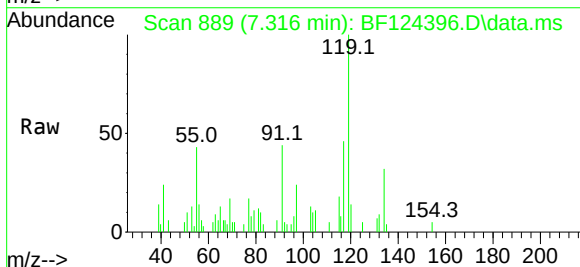
Instrument :  
BNA\_F  
ClientSampled :  
X-3

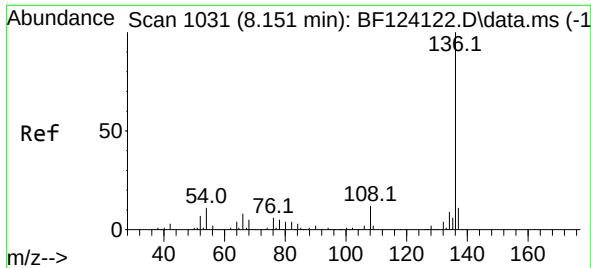
Tgt Ion: 99 Resp: 239852  
Ion Ratio Lower Upper  
99 100  
42 17.7 19.8 29.8#  
71 43.0 31.1 46.7



#18  
Hexachloroethane  
Concen: 2.769 ng  
RT: 7.316 min Scan# 889  
Delta R.T. 0.018 min  
Lab File: BF124396.D  
Acq: 21 Jun 2021 16:37

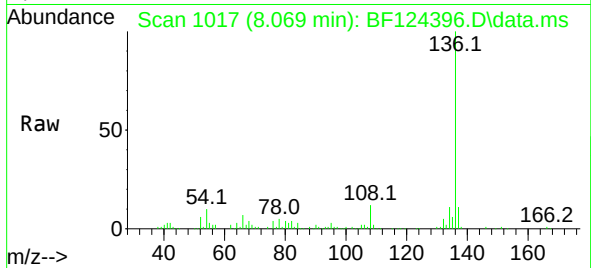
Tgt Ion: 117 Resp: 3050  
Ion Ratio Lower Upper  
117 100  
119 217.2 77.8 116.8#  
201 0.0 67.8 101.8#



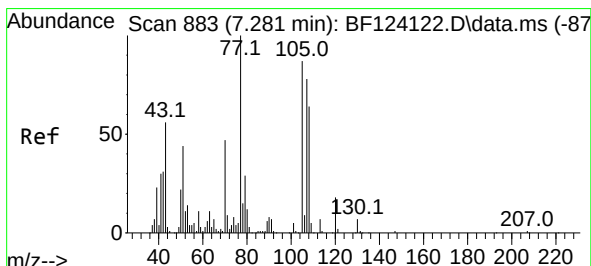
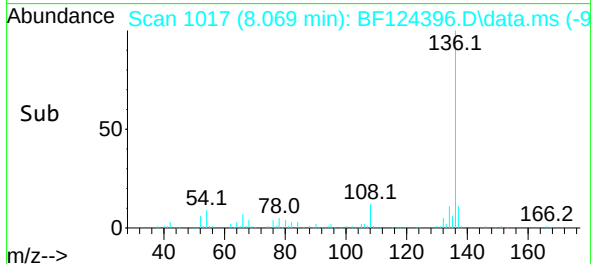
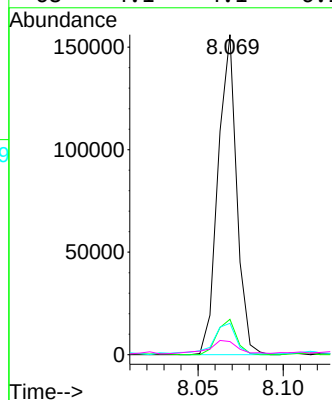


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.069 min Scan# 1017  
Delta R.T. -0.006 min  
Lab File: BF124396.D  
Acq: 21 Jun 2021 16:37

Instrument :  
BNA\_F  
ClientSampled :  
X-3

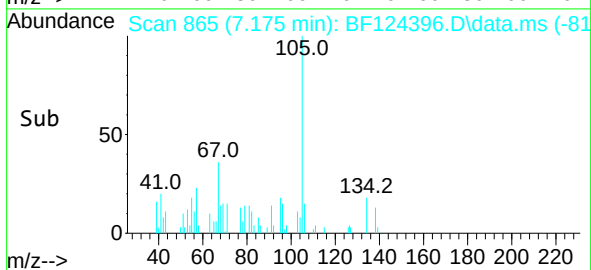
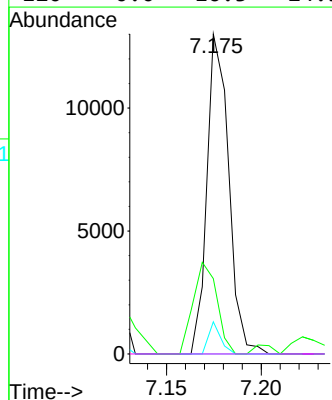
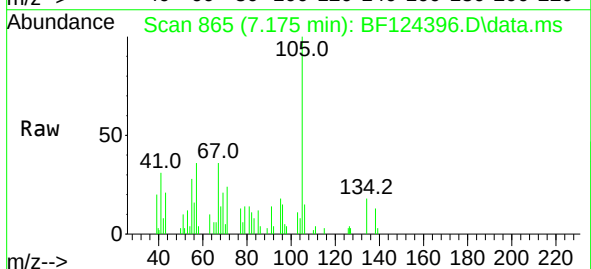


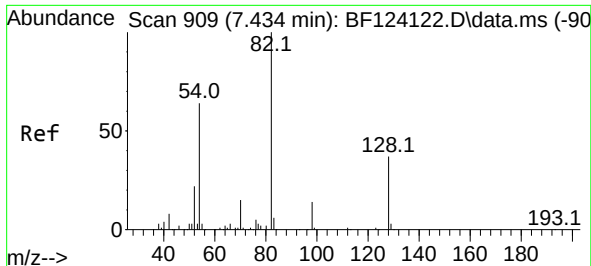
Tgt Ion:136 Resp: 118658  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.7 13.1  
54 9.8 9.8 14.6  
68 4.1 4.1 6.1



#22  
Acetophenone  
Concen: 3.084 ng  
RT: 7.175 min Scan# 865  
Delta R.T. -0.029 min  
Lab File: BF124396.D  
Acq: 21 Jun 2021 16:37

Tgt Ion:105 Resp: 10431  
Ion Ratio Lower Upper  
105 100  
71 23.5 4.2 6.4#  
51 13.4 33.6 50.4#  
120 0.0 16.3 24.5#





#23

Nitrobenzene-d5

Concen: 60.171 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF124396.D

Acq: 21 Jun 2021 16:37

Instrument :

BNA\_F

ClientSampleId :

X-3

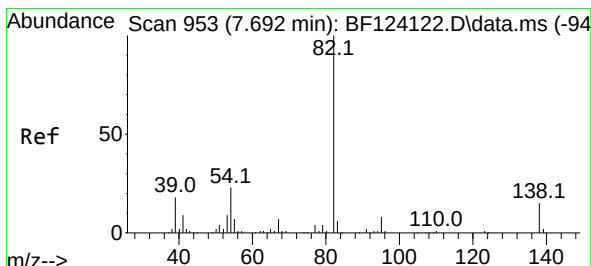
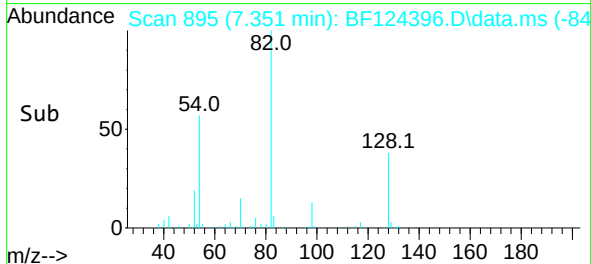
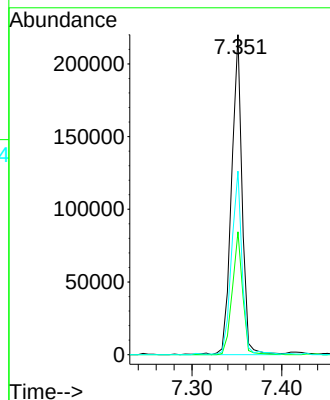
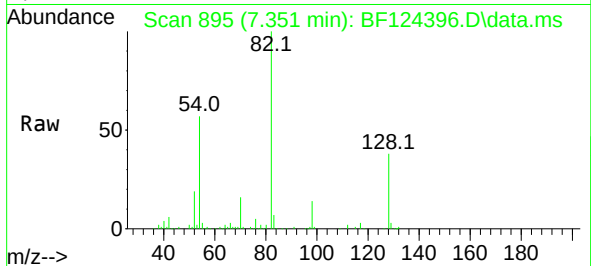
Tgt Ion: 82 Resp: 180018

Ion Ratio Lower Upper

82 100

128 38.4 29.4 44.2

54 57.3 54.1 81.1



#25

Isophorone

Concen: 33.204 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.265 min

Lab File: BF124396.D

Acq: 21 Jun 2021 16:37

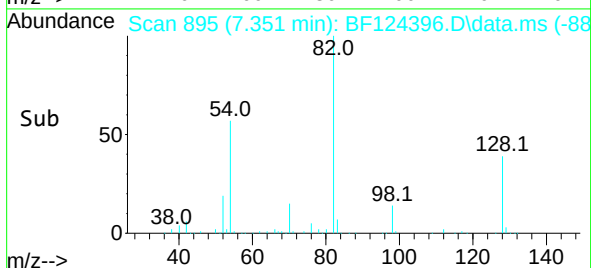
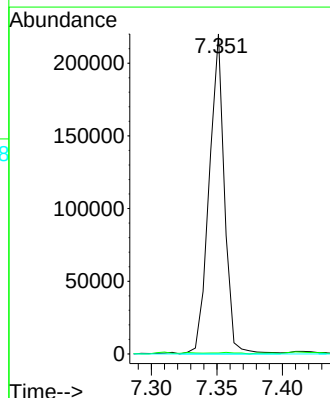
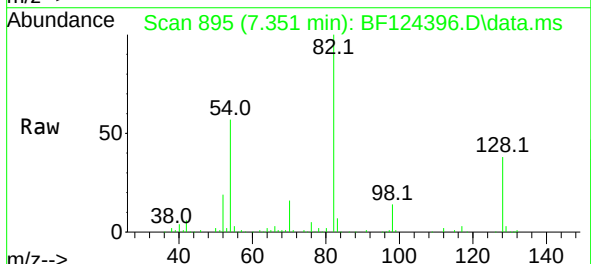
Tgt Ion: 82 Resp: 179012

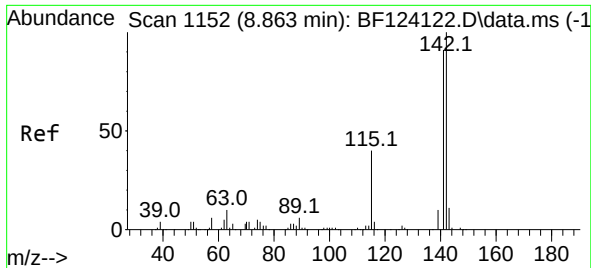
Ion Ratio Lower Upper

82 100

95 0.3 5.8 8.6#

138 0.0 11.8 17.8#

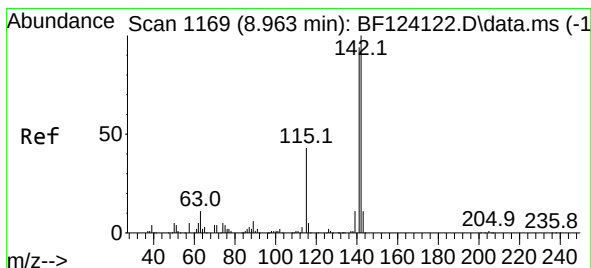
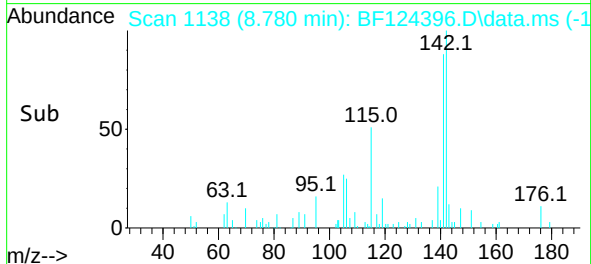
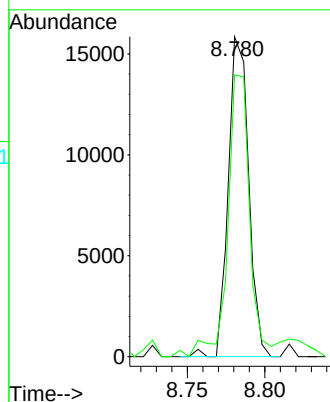
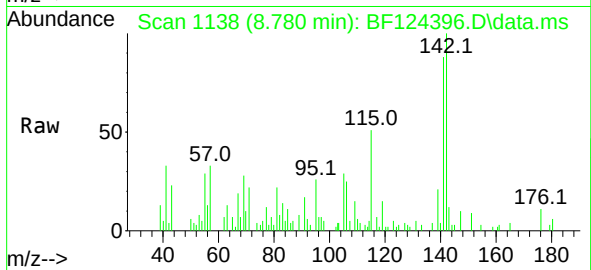




#37  
2-Methylnaphthalene  
Concen: 2.917 ng  
RT: 8.780 min Scan# 1138  
Delta R.T. -0.006 min  
Lab File: BF124396.D  
Acq: 21 Jun 2021 16:37

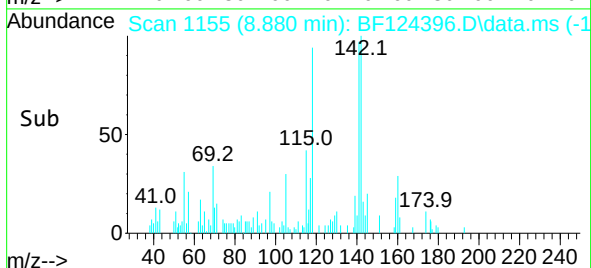
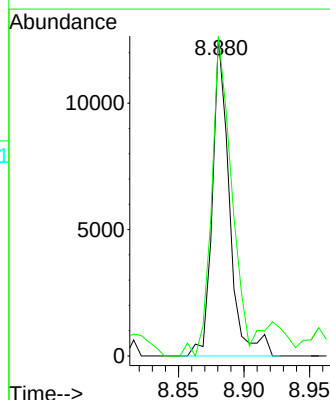
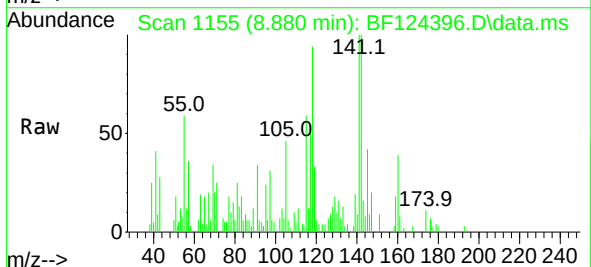
Instrument :  
BNA\_F  
ClientSampled :  
X-3

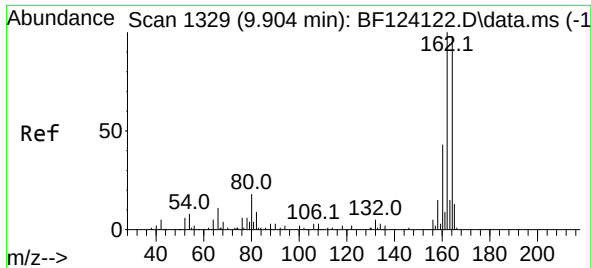
Tgt Ion:142 Resp: 14514  
Ion Ratio Lower Upper  
142 100  
141 88.0 71.8 107.6



#38  
1-Methylnaphthalene  
Concen: 2.436 ng  
RT: 8.880 min Scan# 1155  
Delta R.T. -0.006 min  
Lab File: BF124396.D  
Acq: 21 Jun 2021 16:37

Tgt Ion:142 Resp: 11324  
Ion Ratio Lower Upper  
142 100  
141 100.2 72.8 109.2

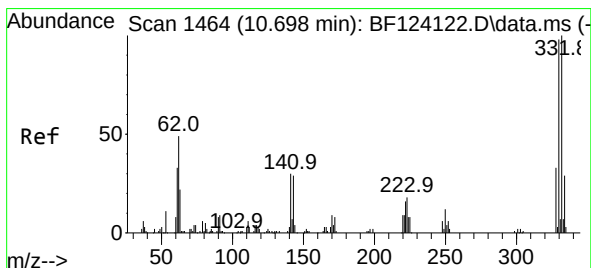
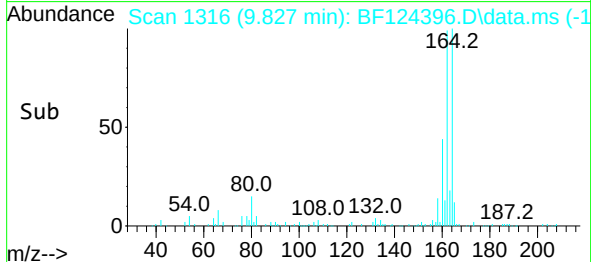
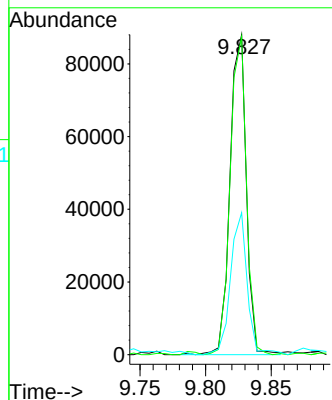
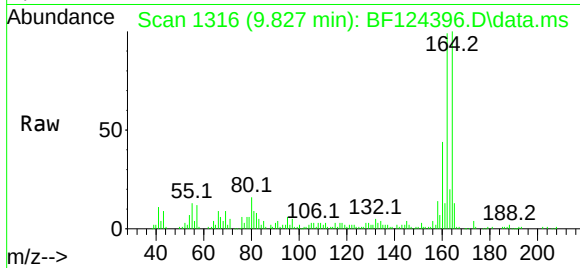




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.827 min Scan# 1316  
Delta R.T. 0.000 min  
Lab File: BF124396.D  
Acq: 21 Jun 2021 16:37

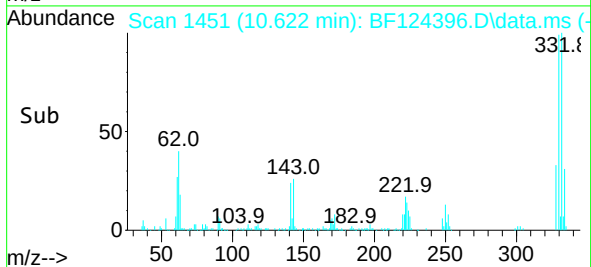
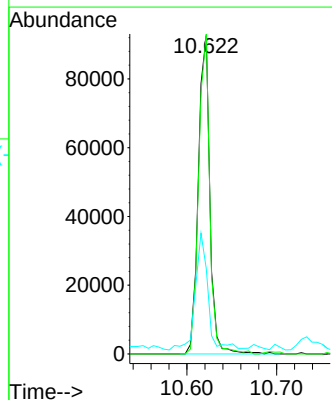
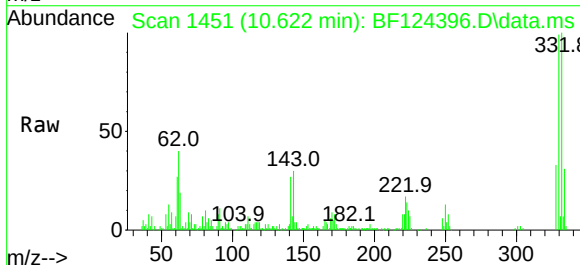
Instrument :  
BNA\_F  
ClientSampled :  
X-3

Tgt Ion:164 Resp: 76178  
Ion Ratio Lower Upper  
164 100  
162 99.4 80.7 121.1  
160 44.3 37.3 55.9

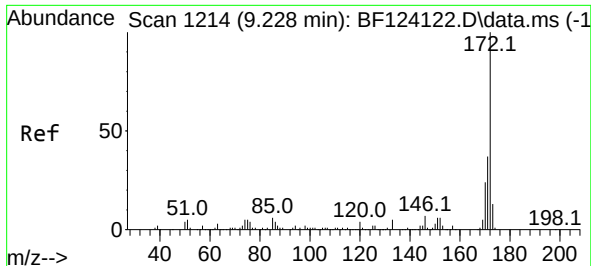


#42  
2,4,6-Tribromophenol  
Concen: 76.484 ng  
RT: 10.622 min Scan# 1451  
Delta R.T. 0.000 min  
Lab File: BF124396.D  
Acq: 21 Jun 2021 16:37

Tgt Ion:330 Resp: 82546  
Ion Ratio Lower Upper  
330 100  
332 97.3 77.1 115.7  
141 40.3 27.9 41.9



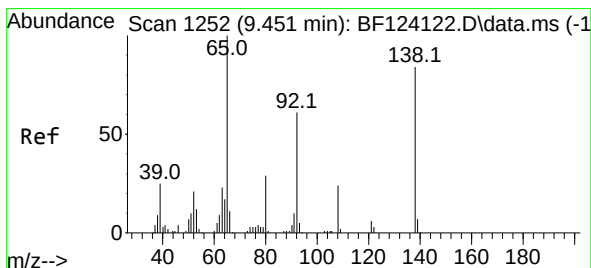
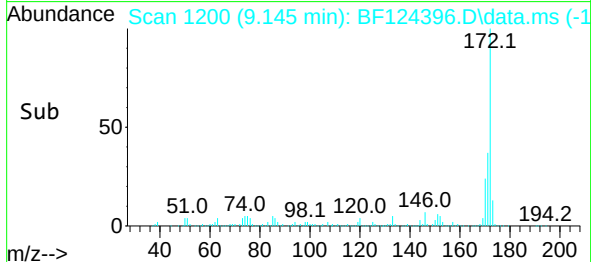
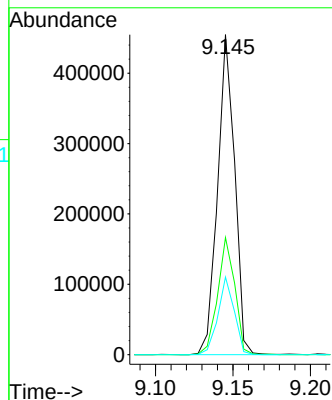
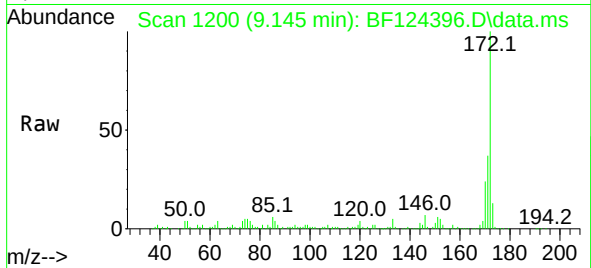




#45  
2-Fluorobiphenyl  
Concen: 57.500 ng  
RT: 9.145 min Scan# 1200  
Delta R.T. -0.006 min  
Lab File: BF124396.D  
Acq: 21 Jun 2021 16:37

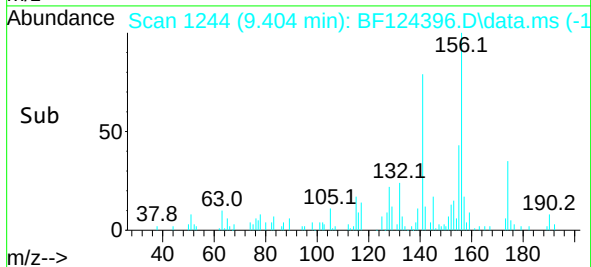
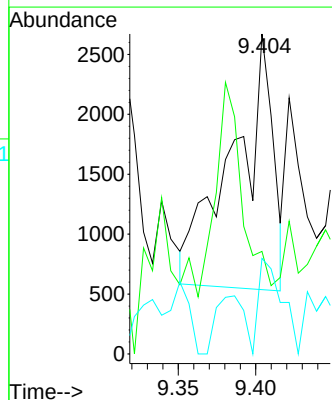
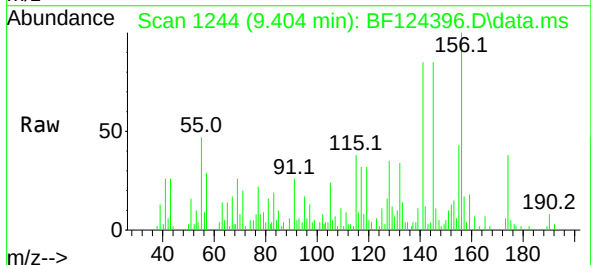
Instrument :  
BNA\_F  
ClientSampled :  
X-3

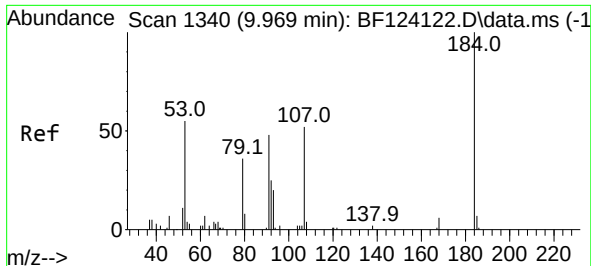
Tgt Ion:172 Resp: 348089  
Ion Ratio Lower Upper  
172 100  
171 36.6 28.1 42.1  
170 24.2 19.2 28.8



#48  
2-Nitroaniline  
Concen: 2.036 ng  
RT: 9.404 min Scan# 1244  
Delta R.T. 0.024 min  
Lab File: BF124396.D  
Acq: 21 Jun 2021 16:37

Tgt Ion: 65 Resp: 3845  
Ion Ratio Lower Upper  
65 100  
92 32.0 47.1 70.7#  
138 29.9 70.2 105.2#

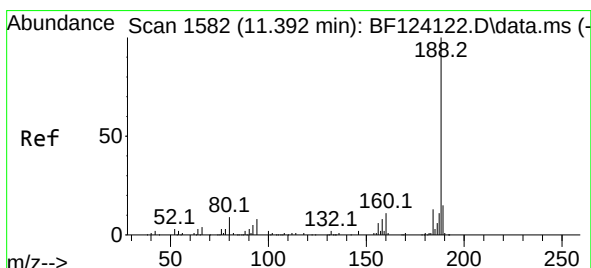
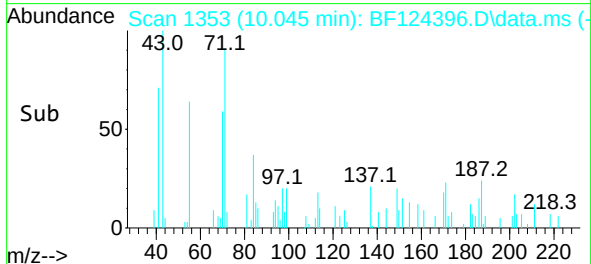
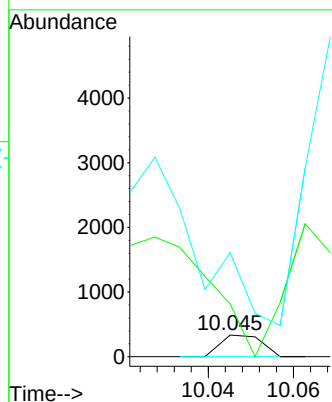
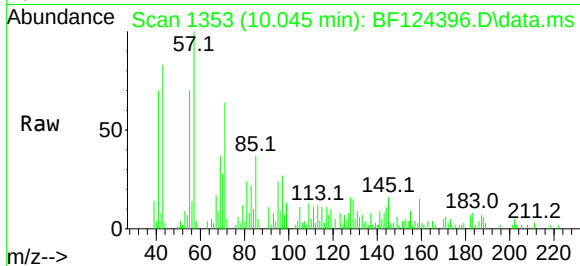




#54  
2,4-Dinitrophenol  
Concen: 3.804 ng  
RT: 10.045 min Scan# 1353  
Delta R.T. 0.135 min  
Lab File: BF124396.D  
Acq: 21 Jun 2021 16:37

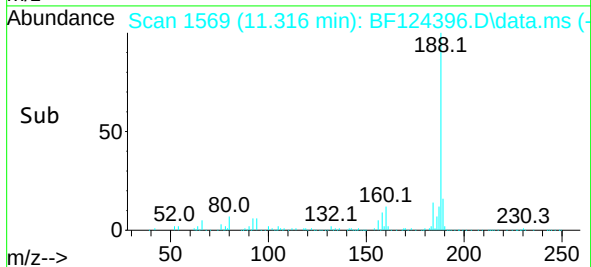
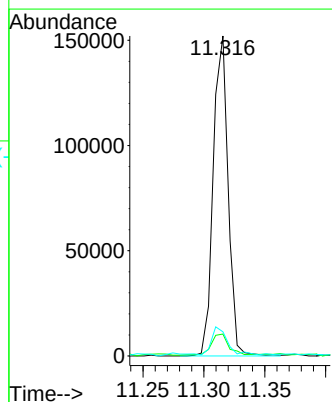
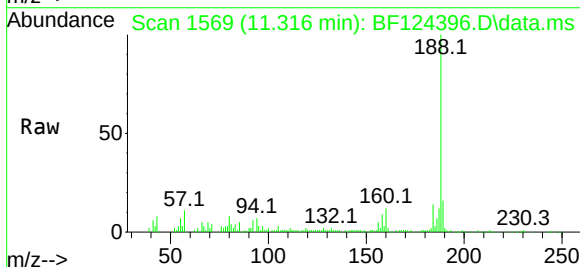
Instrument :  
BNA\_F  
ClientSampled :  
X-3

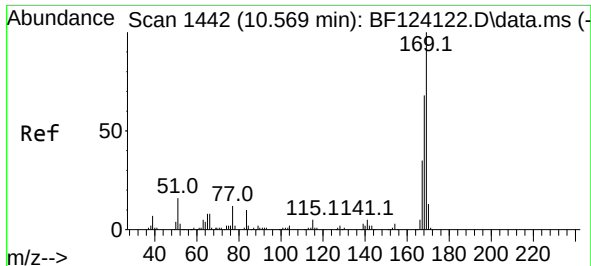
Tgt Ion:184 Resp: 226  
Ion Ratio Lower Upper  
184 100  
63 244.6 73.5 110.3#  
154 482.0 52.5 78.7#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.316 min Scan# 1569  
Delta R.T. 0.000 min  
Lab File: BF124396.D  
Acq: 21 Jun 2021 16:37

Tgt Ion:188 Resp: 129175  
Ion Ratio Lower Upper  
188 100  
94 6.8 6.9 10.3#  
80 7.6 8.2 12.2#

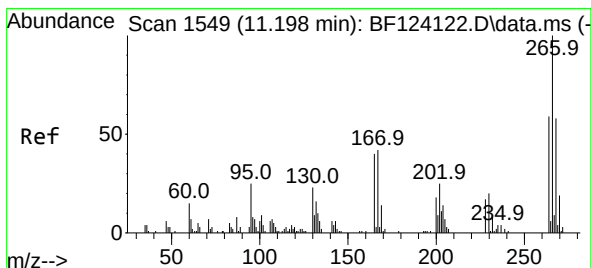
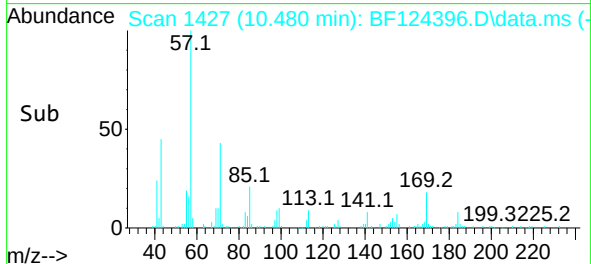
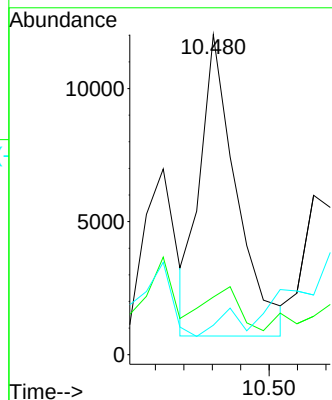
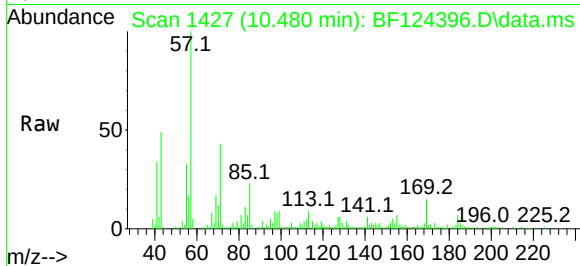




#66  
n-Nitrosodiphenylamine  
Concen: 2.059 ng  
RT: 10.480 min Scan# 1427  
Delta R.T. -0.012 min  
Lab File: BF124396.D  
Acq: 21 Jun 2021 16:37

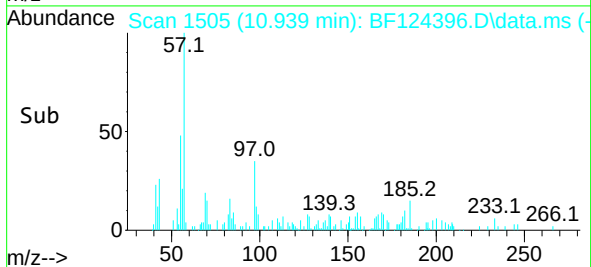
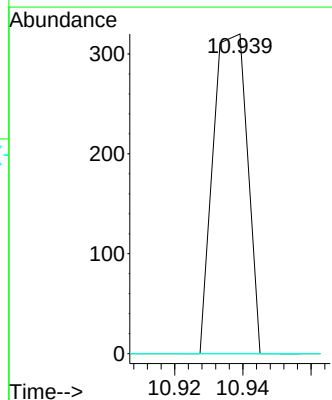
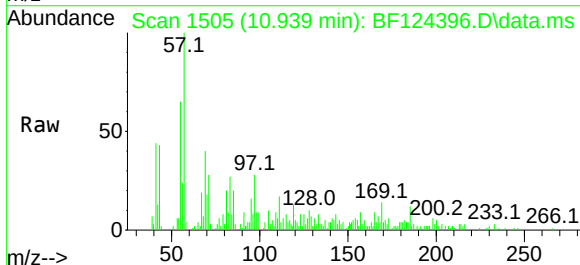
Instrument :  
BNA\_F  
ClientSampleId :  
X-3

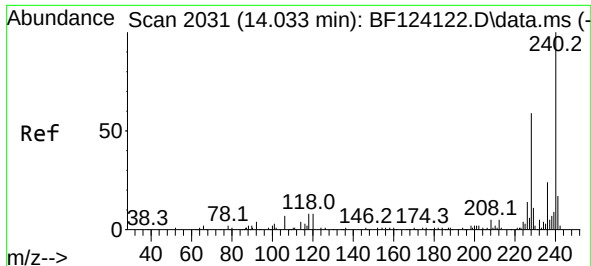
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 169   | Resp: | 10105 |
| Ion Ratio | Lower | Upper |       |
| 169       | 100   |       |       |
| 168       | 18.0  | 53.3  | 79.9# |
| 167       | 9.2   | 29.9  | 44.9# |



#70  
Pentachlorophenol  
Concen: 4.863 ng  
RT: 10.939 min Scan# 1505  
Delta R.T. -0.188 min  
Lab File: BF124396.D  
Acq: 21 Jun 2021 16:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 266   | Resp: | 223   |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 268       | 0.0   | 51.6  | 77.4# |
| 264       | 0.0   | 52.6  | 78.8# |

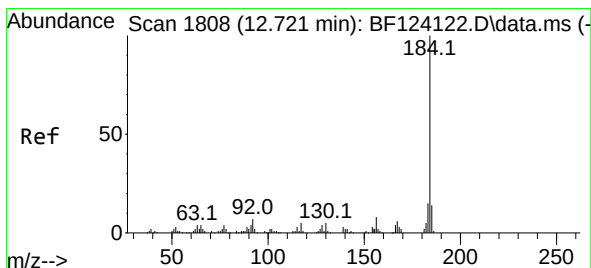
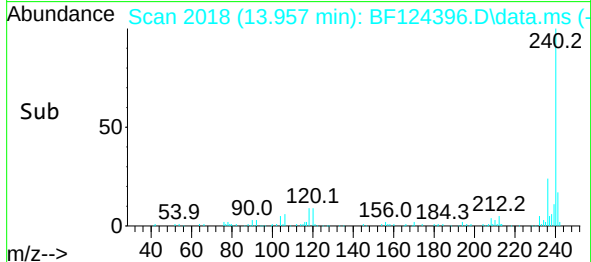
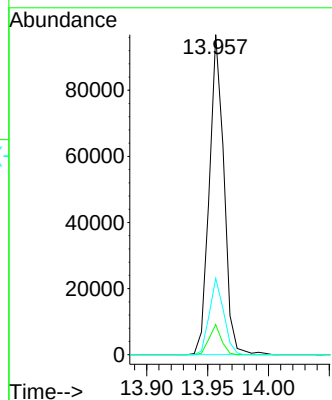
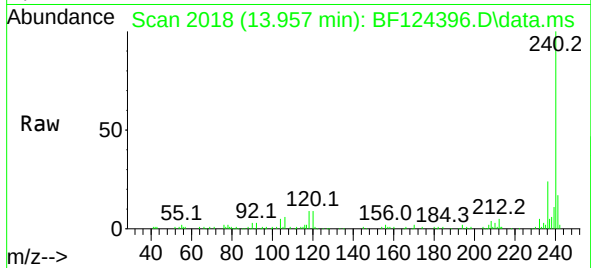




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.957 min Scan# 2018  
Delta R.T. -0.006 min  
Lab File: BF124396.D  
Acq: 21 Jun 2021 16:37

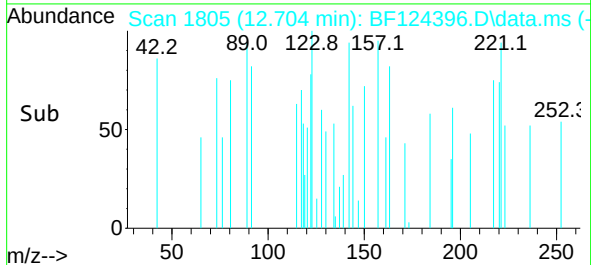
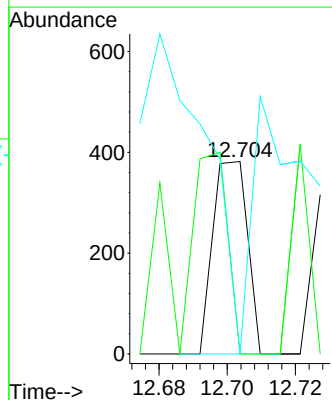
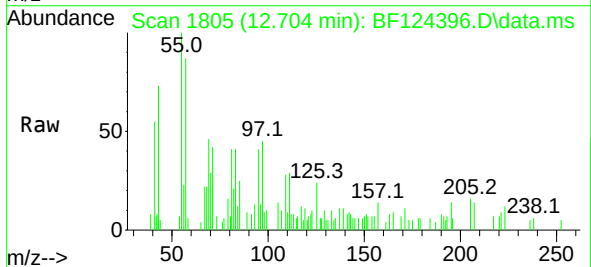
Instrument :  
BNA\_F  
ClientSampled :  
X-3

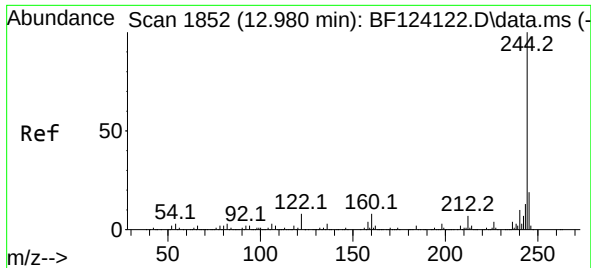
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:240 | Resp: | 80965     |
| Ion Ratio   | Lower | Upper     |
| 240         | 100   |           |
| 120         | 9.4   | 7.2 10.8  |
| 236         | 23.8  | 19.0 28.4 |



#77  
Benzidine  
Concen: 4.191 ng  
RT: 12.704 min Scan# 1805  
Delta R.T. 0.006 min  
Lab File: BF124396.D  
Acq: 21 Jun 2021 16:37

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:184 | Resp: | 268        |
| Ion Ratio   | Lower | Upper      |
| 184         | 100   |            |
| 185         | 0.0   | 12.1 18.1# |
| 183         | 0.0   | 7.8 11.8#  |

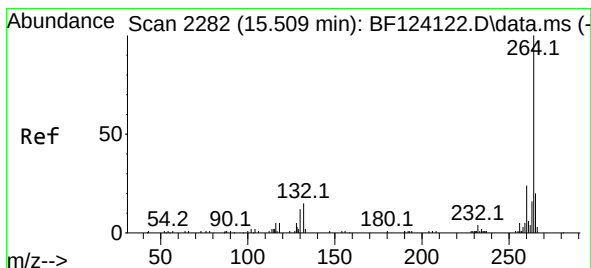
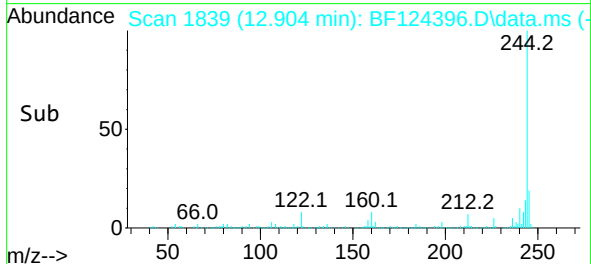
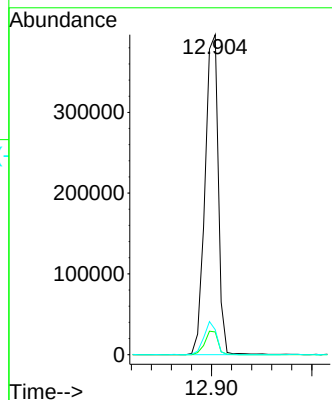
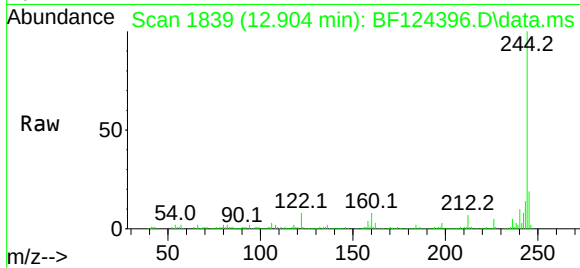




#79  
 Terphenyl-d14  
 Concen: 61.930 ng  
 RT: 12.904 min Scan# 1839  
 Delta R.T. 0.000 min  
 Lab File: BF124396.D  
 Acq: 21 Jun 2021 16:37

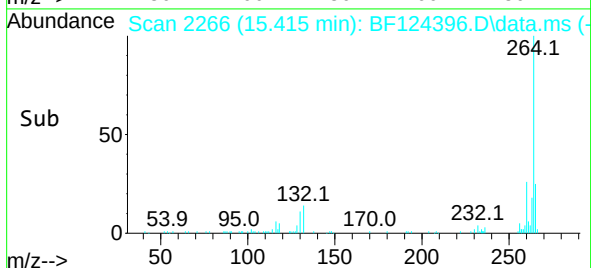
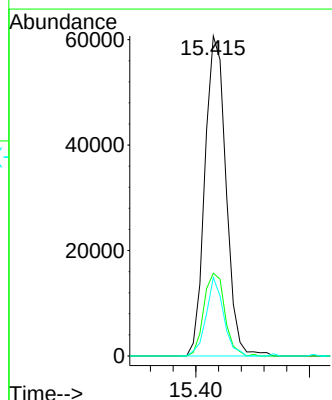
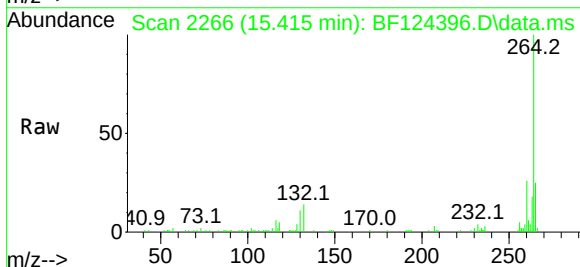
Instrument :  
 BNA\_F  
 ClientSampled :  
 X-3

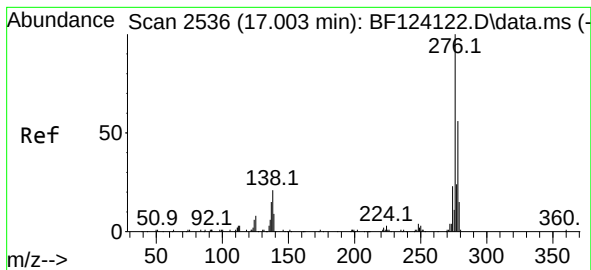
Tgt Ion:244 Resp: 365210  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.7 8.5  
 122 7.8 9.7 14.5#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.415 min Scan# 2266  
 Delta R.T. 0.000 min  
 Lab File: BF124396.D  
 Acq: 21 Jun 2021 16:37

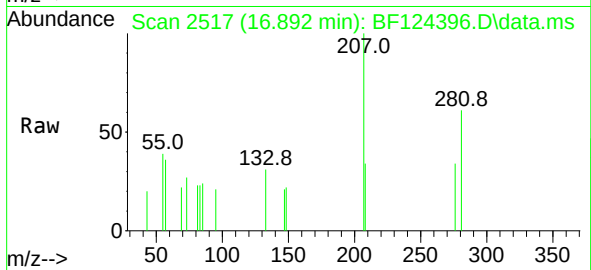
Tgt Ion:264 Resp: 78019  
 Ion Ratio Lower Upper  
 264 100  
 260 25.9 18.7 28.1  
 265 24.5 17.8 26.8





#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 4.377 ng  
 RT: 16.892 min Scan# 2517  
 Delta R.T. 0.018 min  
 Lab File: BF124396.D  
 Acq: 21 Jun 2021 16:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 X-3



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 295   |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 138      | 0.0   | 16.2  | 24.2# |
| 277      | 0.0   | 20.1  | 30.1# |

