

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091523\  
 Data File : BF135284.D  
 Acq On : 15 Sep 2023 17:46  
 Operator : CG\JU  
 Sample : 04401-03  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

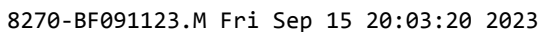
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH110

Quant Time: Sep 15 20:01:47 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 00:19:07 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.757  | 152  | 93940    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.034  | 136  | 356387   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.792  | 164  | 174445   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.286 | 188  | 313751   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.939 | 240  | 177216   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.404 | 264  | 200243   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.398  | 112  | 674003   | 116.695 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.404  | 99   | 782629   | 106.564 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.322  | 82   | 577506   | 88.038  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.586 | 330  | 252256   | 145.513 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.116  | 172  | 1064127  | 92.033  | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.886 | 244  | 1012847  | 88.598  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.322  | 70   | 76990    | 16.925  | ng    | # 80     |
| 25) Isophorone                | 7.322  | 82   | 577501   | 47.944  | ng    | # 65     |
| 50) Dimethylphthalate         | 9.792  | 163  | 34669    | 2.939   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.792  | 165  | 22191    | 8.589   | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.792  | 165  | 22191    | 6.861   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.586 | 248  | 15527    | 4.976   | ng    | # 1      |
| 77) Benzidine                 | 12.886 | 184  | 12957    | 3.569   | ng    | # 92     |
| -----                         |        |      |          |         |       |          |

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

Quant Time: Sep 15 20:01:47 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 12 00:19:07 2023  
Response via : Initial Calibration

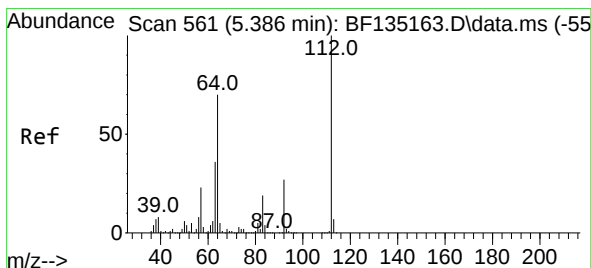
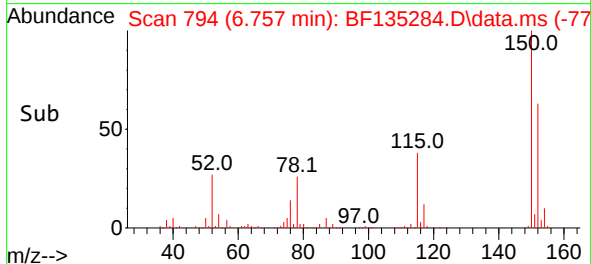
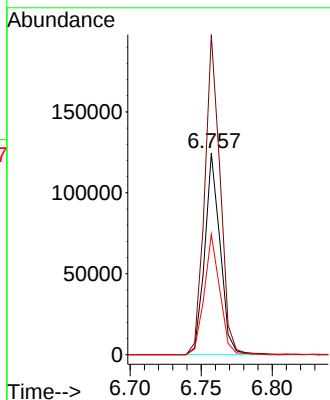
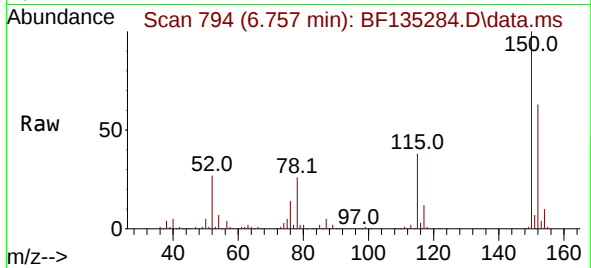




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.757 min Scan# 795  
Delta R.T. -0.006 min  
Lab File: BF135284.D  
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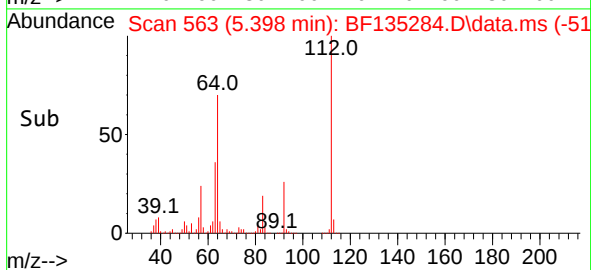
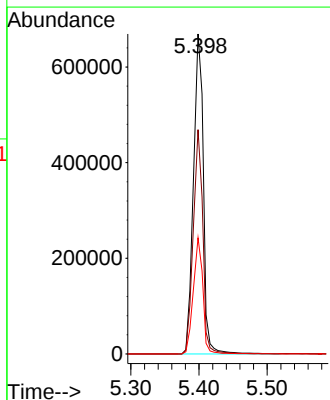
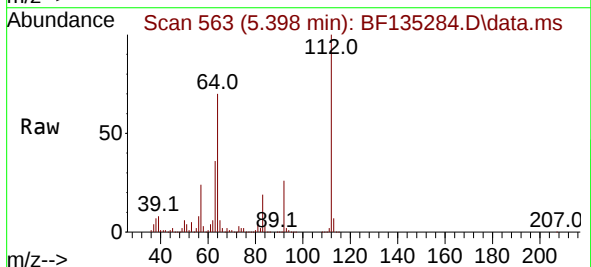
Instrument :  
BNA\_F  
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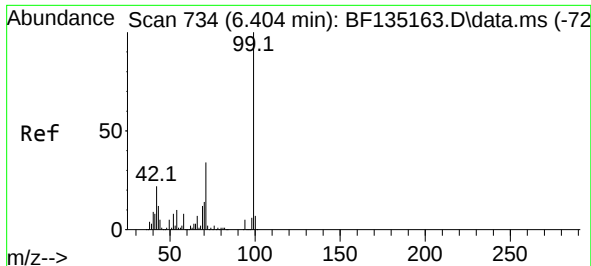
Tgt Ion:152 Resp: 93940  
Ion Ratio Lower Upper  
152 100  
150 158.9 127.8 191.6  
115 59.8 49.8 74.8



#5  
2-Fluorophenol  
Concen: 116.695 ng  
RT: 5.398 min Scan# 563  
Delta R.T. 0.012 min  
Lab File: BF135284.D  
Acq: 15 Sep 2023 17:46

Tgt Ion:112 Resp: 674003  
Ion Ratio Lower Upper  
112 100  
64 70.1 55.9 83.9  
63 36.3 29.0 43.6





#7  
Phenol-d6  
Concen: 106.564 ng  
RT: 6.404 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF135284.D  
Acq: 15 Sep 2023 17:46

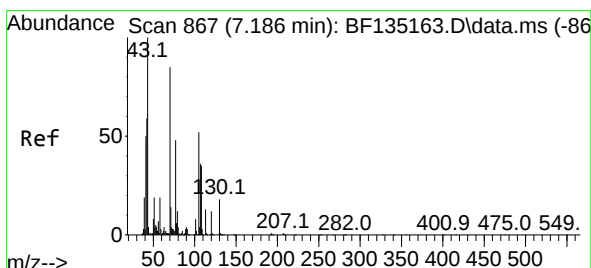
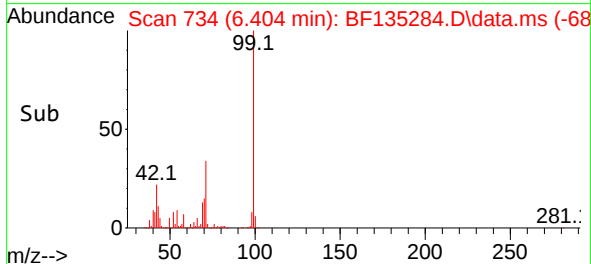
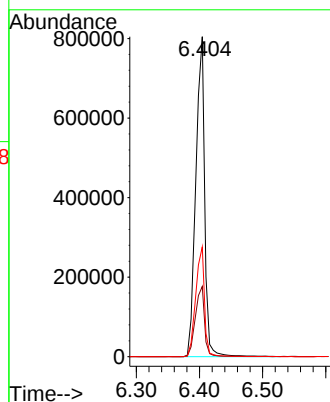
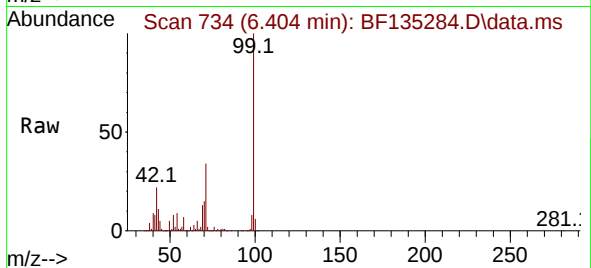
Instrument :

BNA\_F

ClientSampleId :

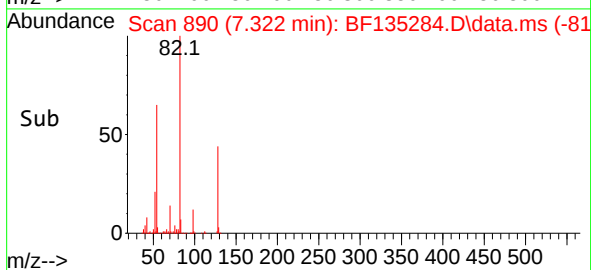
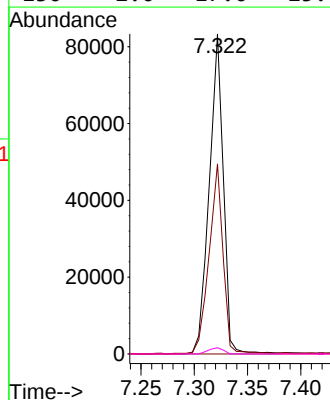
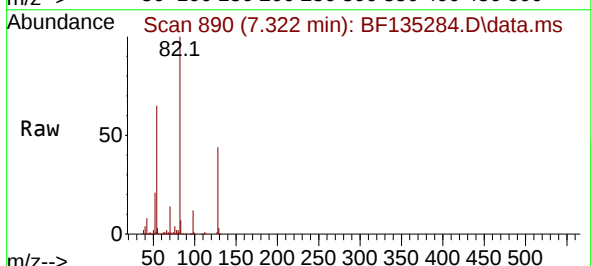
MH110

Tgt Ion: 99 Resp: 782629  
Ion Ratio Lower Upper  
99 100  
42 22.0 17.9 26.9  
71 34.3 27.0 40.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.925 ng  
RT: 7.322 min Scan# 890  
Delta R.T. 0.135 min  
Lab File: BF135284.D  
Acq: 15 Sep 2023 17:46

Tgt Ion: 70 Resp: 76990  
Ion Ratio Lower Upper  
70 100  
42 59.4 55.4 83.0  
101 0.0 7.7 11.5#  
130 2.0 17.0 25.6#

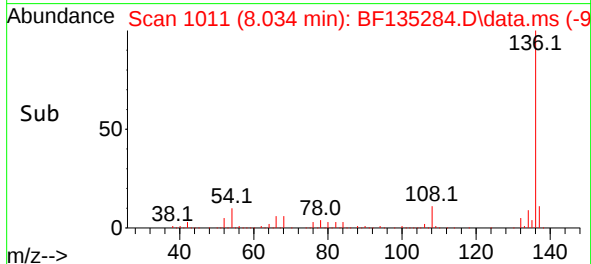
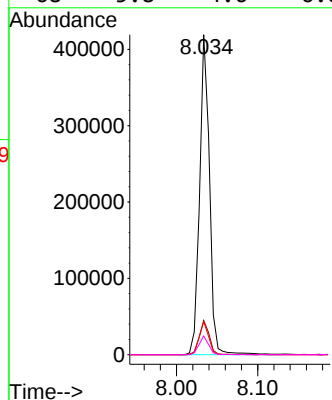
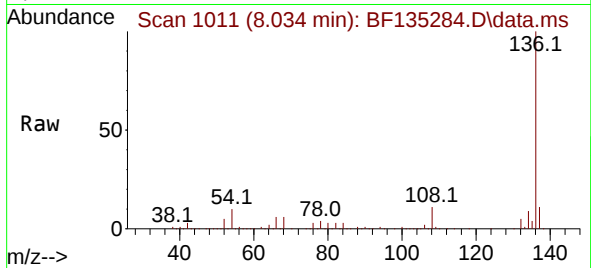




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.034 min Scan# 1013  
Delta R.T. -0.012 min  
Lab File: BF135284.D  
Acq: 15 Sep 2023 17:46

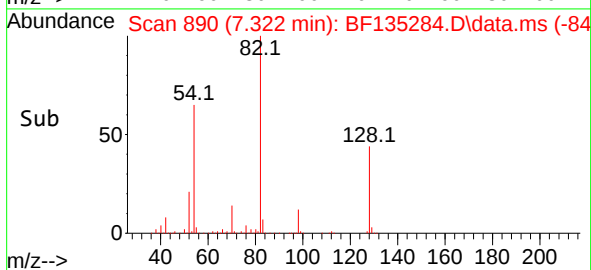
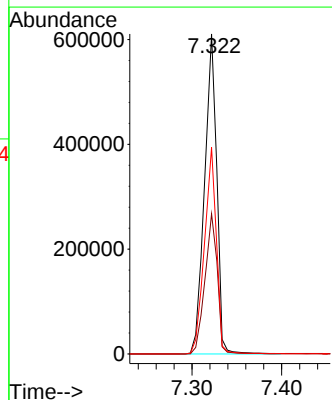
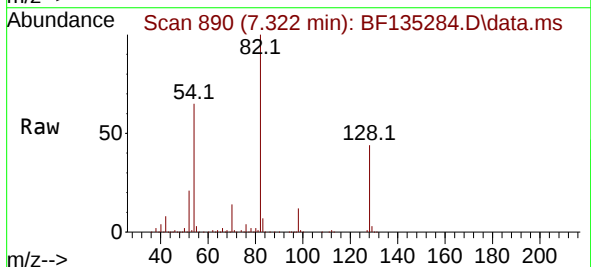
Instrument :  
BNA\_F  
ClientSampleId :  
MH110

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 356387 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.7  | 8.8   | 13.2   |
| 54        | 10.3  | 7.7   | 11.5   |
| 68        | 5.8   | 4.6   | 6.8    |



#23  
Nitrobenzene-d5  
Concen: 88.038 ng  
RT: 7.322 min Scan# 890  
Delta R.T. -0.012 min  
Lab File: BF135284.D  
Acq: 15 Sep 2023 17:46

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 577506 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 43.8  | 35.8  | 53.6   |
| 54        | 64.6  | 50.6  | 76.0   |

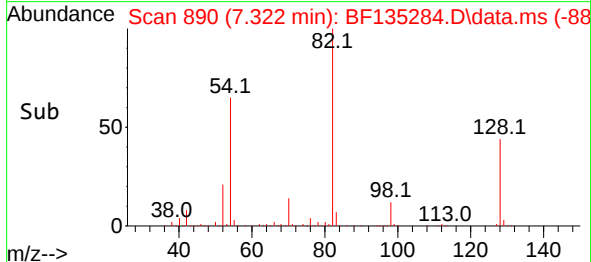
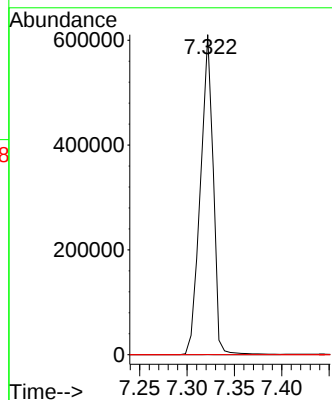
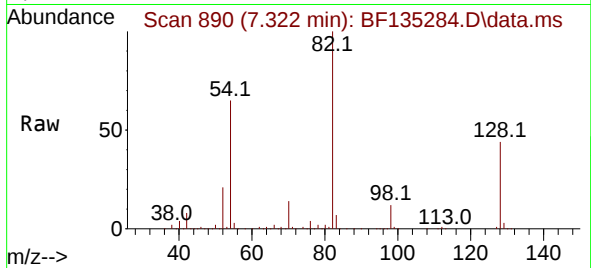




#25  
Isophorone  
Concen: 47.944 ng  
RT: 7.322 min Scan# 89  
Delta R.T. -0.270 min  
Lab File: BF135284.D  
Acq: 15 Sep 2023 17:46

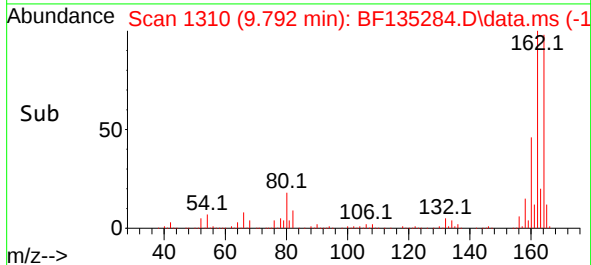
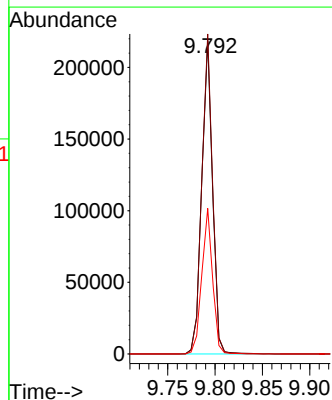
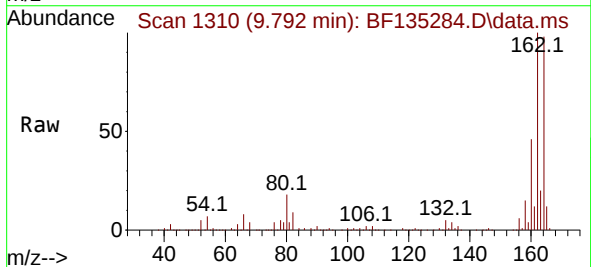
Instrument :  
BNA\_F  
ClientSampleId :  
MH110

Tgt Ion: 82 Resp: 577501  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 14.5 21.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.792 min Scan# 1310  
Delta R.T. -0.012 min  
Lab File: BF135284.D  
Acq: 15 Sep 2023 17:46

Tgt Ion:164 Resp: 174445  
Ion Ratio Lower Upper  
164 100  
162 102.2 81.0 121.4  
160 46.5 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 145.513 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF135284.D

Acq: 15 Sep 2023 17:46

Instrument :

BNA\_F

ClientSampleId :

MH110

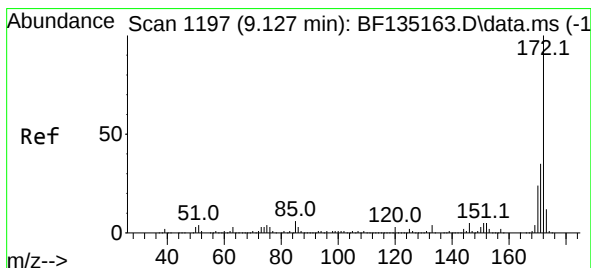
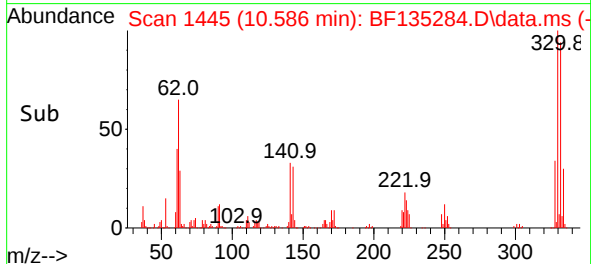
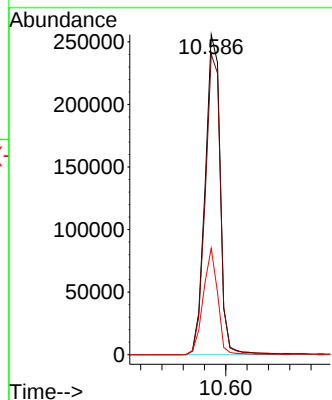
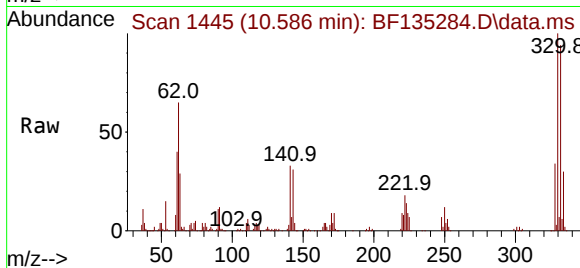
Tgt Ion:330 Resp: 252256

Ion Ratio Lower Upper

330 100

332 95.1 77.3 115.9

141 31.7 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 92.033 ng

RT: 9.116 min Scan# 1195

Delta R.T. -0.012 min

Lab File: BF135284.D

Acq: 15 Sep 2023 17:46

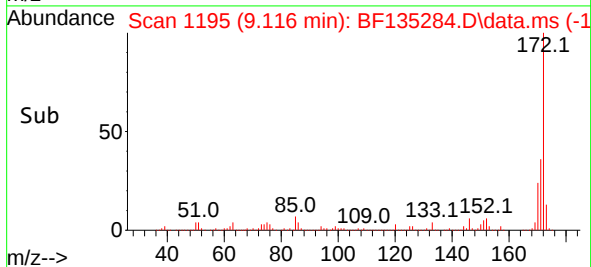
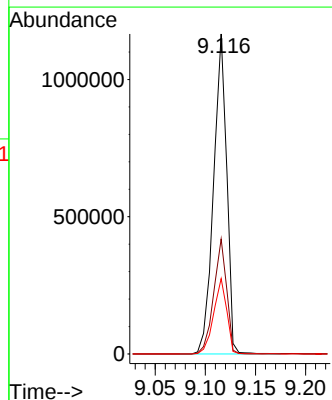
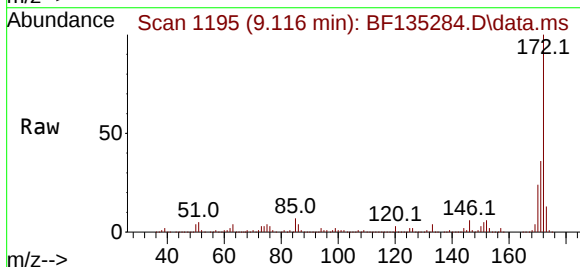
Tgt Ion:172 Resp: 1064127

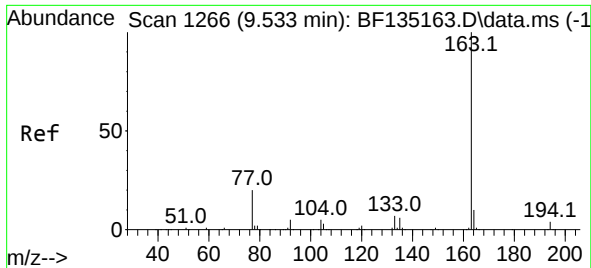
Ion Ratio Lower Upper

172 100

171 35.9 28.4 42.6

170 23.5 19.0 28.4

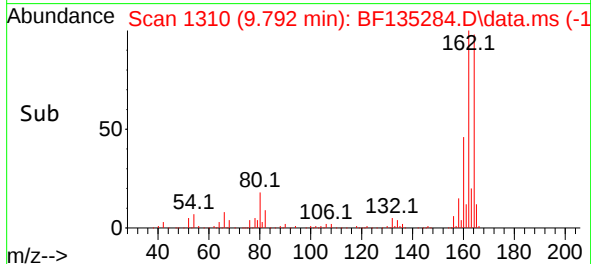
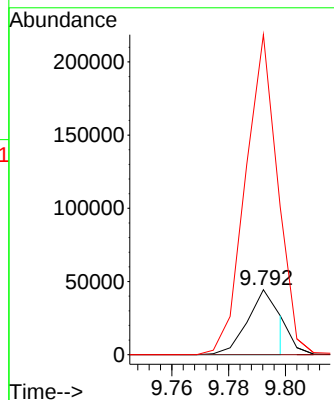
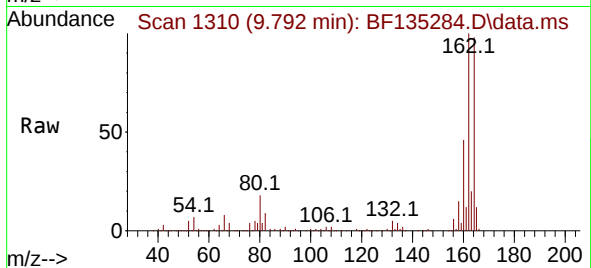




#50  
Dimethylphthalate  
Concen: 2.939 ng  
RT: 9.792 min Scan# 1310  
Delta R.T. 0.259 min  
Lab File: BF135284.D  
Acq: 15 Sep 2023 17:46

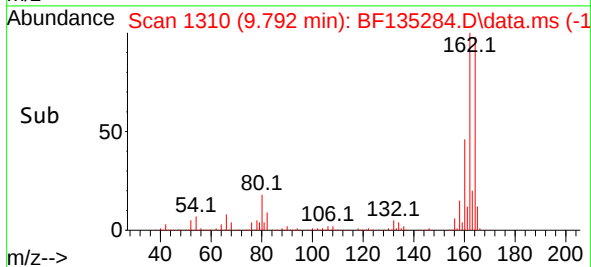
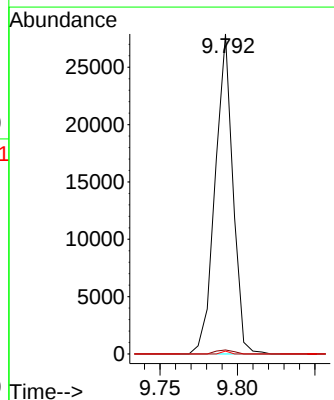
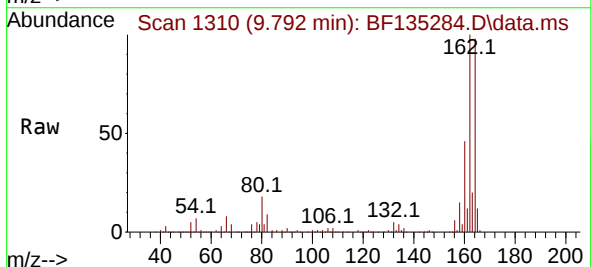
Instrument :  
BNA\_F  
ClientSampleId :  
MH110

Tgt Ion:163 Resp: 34669  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.1 4.7#  
164 492.9 8.1 12.1#



#51  
2,6-Dinitrotoluene  
Concen: 8.589 ng  
RT: 9.792 min Scan# 1310  
Delta R.T. 0.200 min  
Lab File: BF135284.D  
Acq: 15 Sep 2023 17:46

Tgt Ion:165 Resp: 22191  
Ion Ratio Lower Upper  
165 100  
63 1.3 59.4 89.2#  
89 0.9 49.8 74.8#

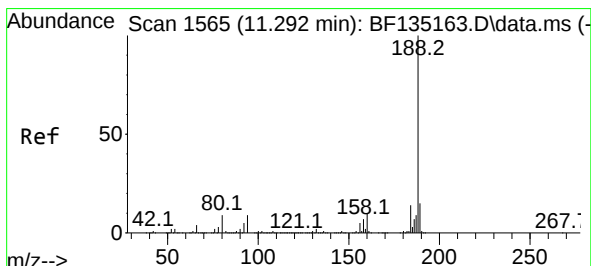
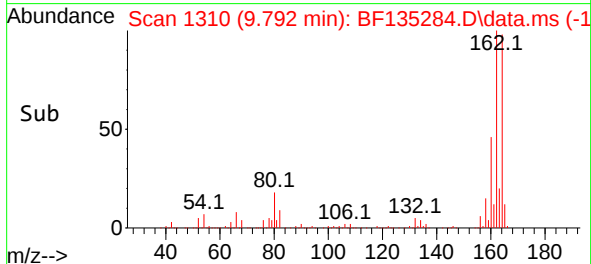
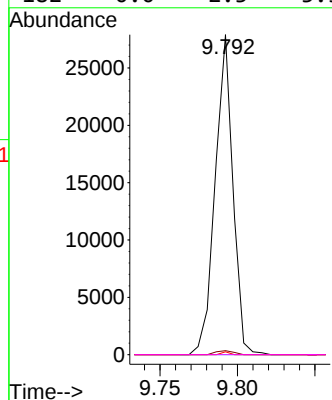
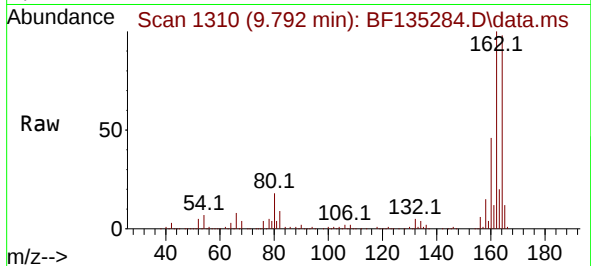




#57  
2,4-Dinitrotoluene  
Concen: 6.861 ng  
RT: 9.792 min Scan# 11  
Delta R.T. -0.212 min  
Lab File: BF135284.D  
Acq: 15 Sep 2023 17:46

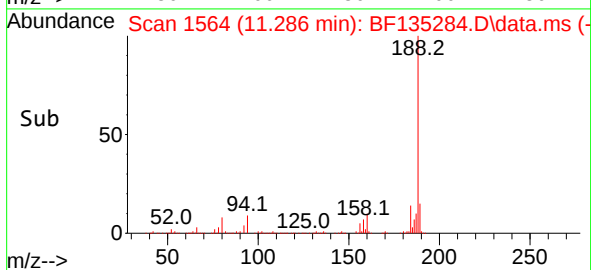
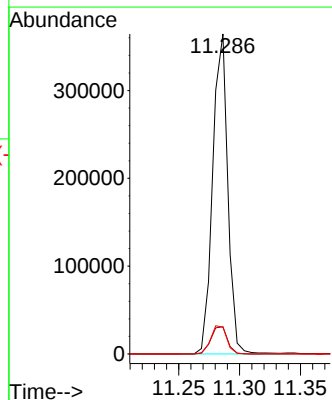
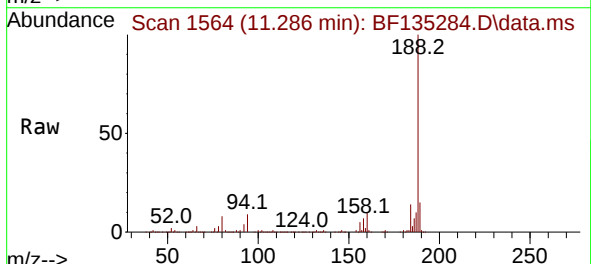
Instrument :  
BNA\_F  
ClientSampleId :  
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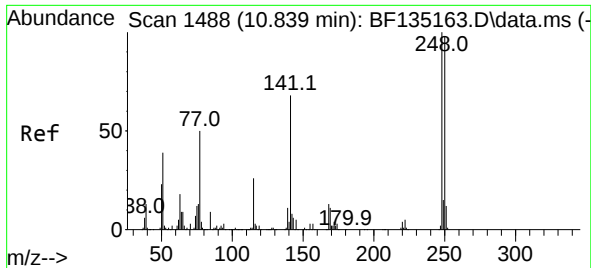
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Ion Ratio Lower Upper  
165 100  
63 1.3 50.1 75.1#  
89 0.9 59.3 88.9#  
182 0.0 2.3 3.5#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.286 min Scan# 1564  
Delta R.T. -0.006 min  
Lab File: BF135284.D  
Acq: 15 Sep 2023 17:46

Tgt Ion:188 Resp: 313751  
Ion Ratio Lower Upper  
188 100  
94 8.5 7.0 10.6  
80 8.4 7.5 11.3

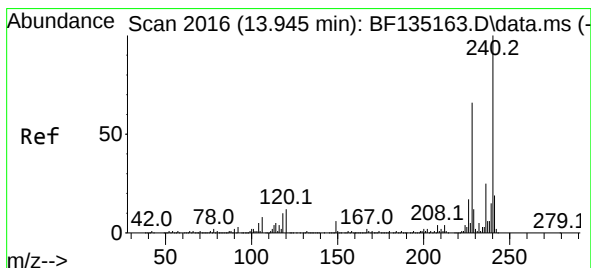
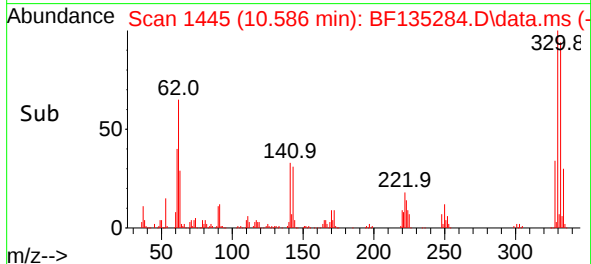
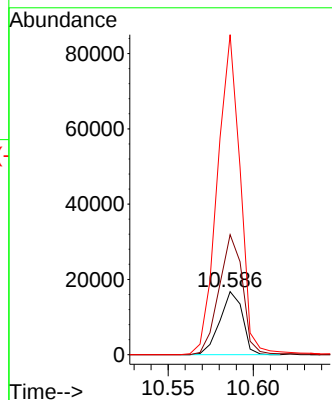
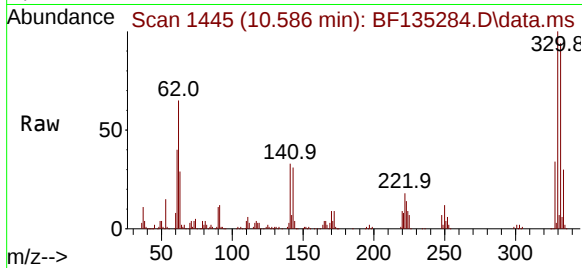




#67  
4-Bromophenyl-phenylether  
Concen: 4.976 ng  
RT: 10.586 min Scan# 1488  
Delta R.T. -0.253 min  
Lab File: BF135284.D  
Acq: 15 Sep 2023 17:46

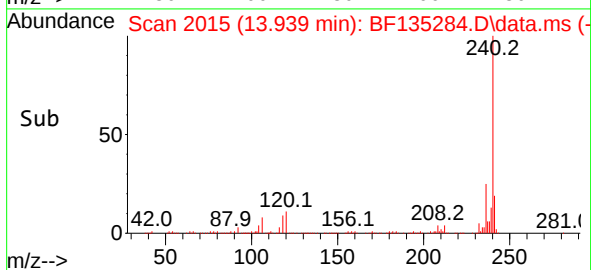
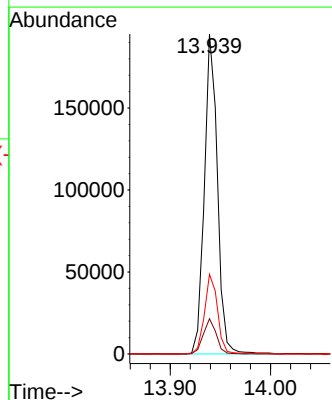
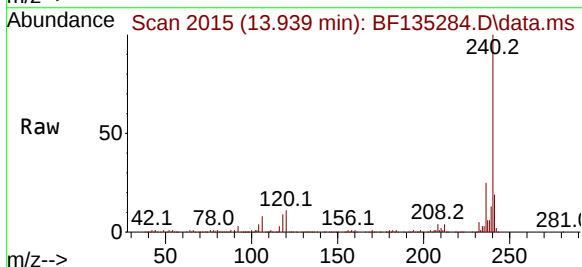
Instrument :  
BNA\_F  
ClientSampleId :  
MH110

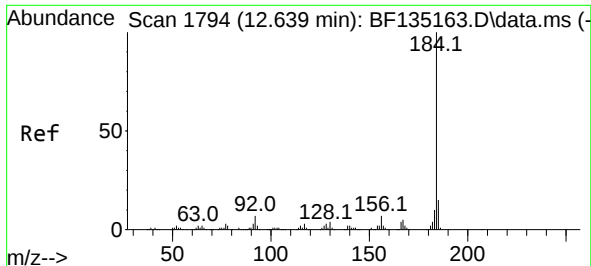
Tgt Ion:248 Resp: 15527  
Ion Ratio Lower Upper  
248 100  
250 190.6 78.6 117.8#  
141 508.0 54.2 81.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.939 min Scan# 2015  
Delta R.T. -0.006 min  
Lab File: BF135284.D  
Acq: 15 Sep 2023 17:46

Tgt Ion:240 Resp: 177216  
Ion Ratio Lower Upper  
240 100  
120 11.0 9.4 14.2  
236 24.9 19.8 29.8

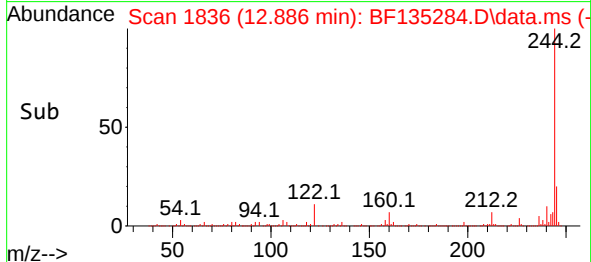
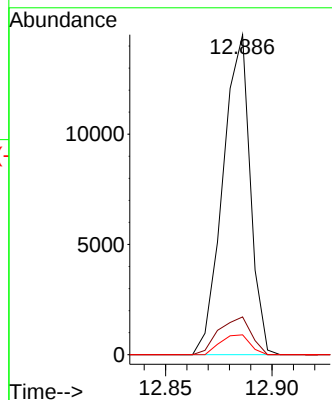
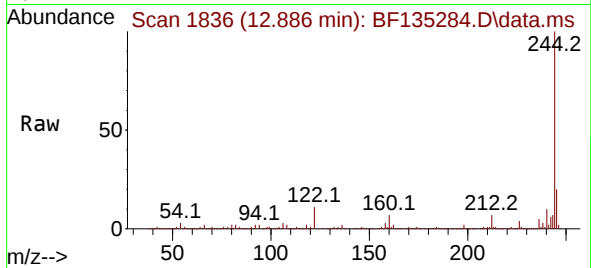




#77  
Benzidine  
Concen: 3.569 ng  
RT: 12.886 min Scan# 1836  
Delta R.T. 0.247 min  
Lab File: BF135284.D  
Acq: 15 Sep 2023 17:46

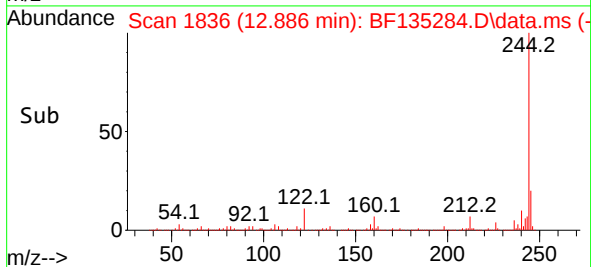
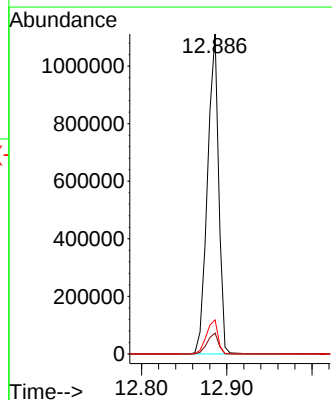
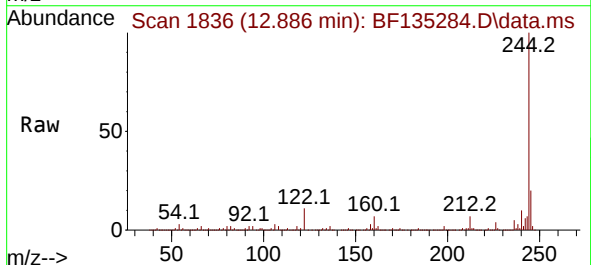
Instrument :  
BNA\_F  
ClientSampleId :  
MH110

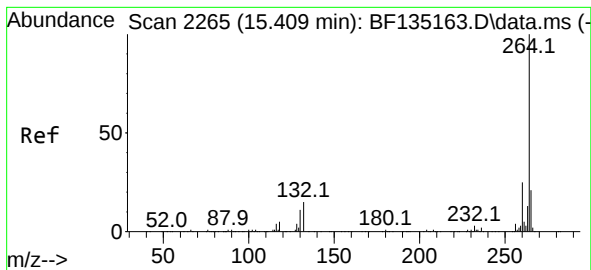
Tgt Ion:184 Resp: 12957  
Ion Ratio Lower Upper  
184 100  
185 11.8 11.7 17.5  
183 6.2 8.2 12.4#



#79  
Terphenyl-d14  
Concen: 88.598 ng  
RT: 12.886 min Scan# 1836  
Delta R.T. -0.006 min  
Lab File: BF135284.D  
Acq: 15 Sep 2023 17:46

Tgt Ion:244 Resp: 1012847  
Ion Ratio Lower Upper  
244 100  
212 6.6 5.1 7.7  
122 10.7 7.9 11.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF135284.D

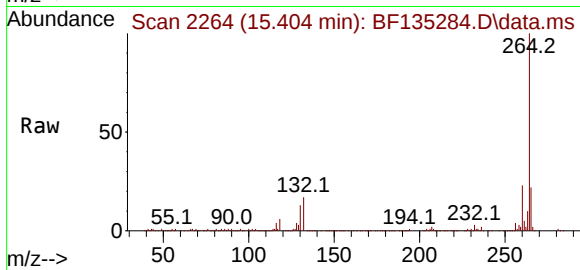
Acq: 15 Sep 2023 17:46

Instrument :

BNA\_F

ClientSampleId :

MH110



Tgt Ion:264 Resp: 200243

Ion Ratio Lower Upper

264 100

260 22.9 19.8 29.6

265 22.1 17.0 25.4

