

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100623\  
 Data File : BF135624.D  
 Acq On : 06 Oct 2023 12:31  
 Operator : CG\JU  
 Sample : 04712-03  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 06 12:49:33 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 04 17:06:20 2023  
 Response via : Initial Calibration

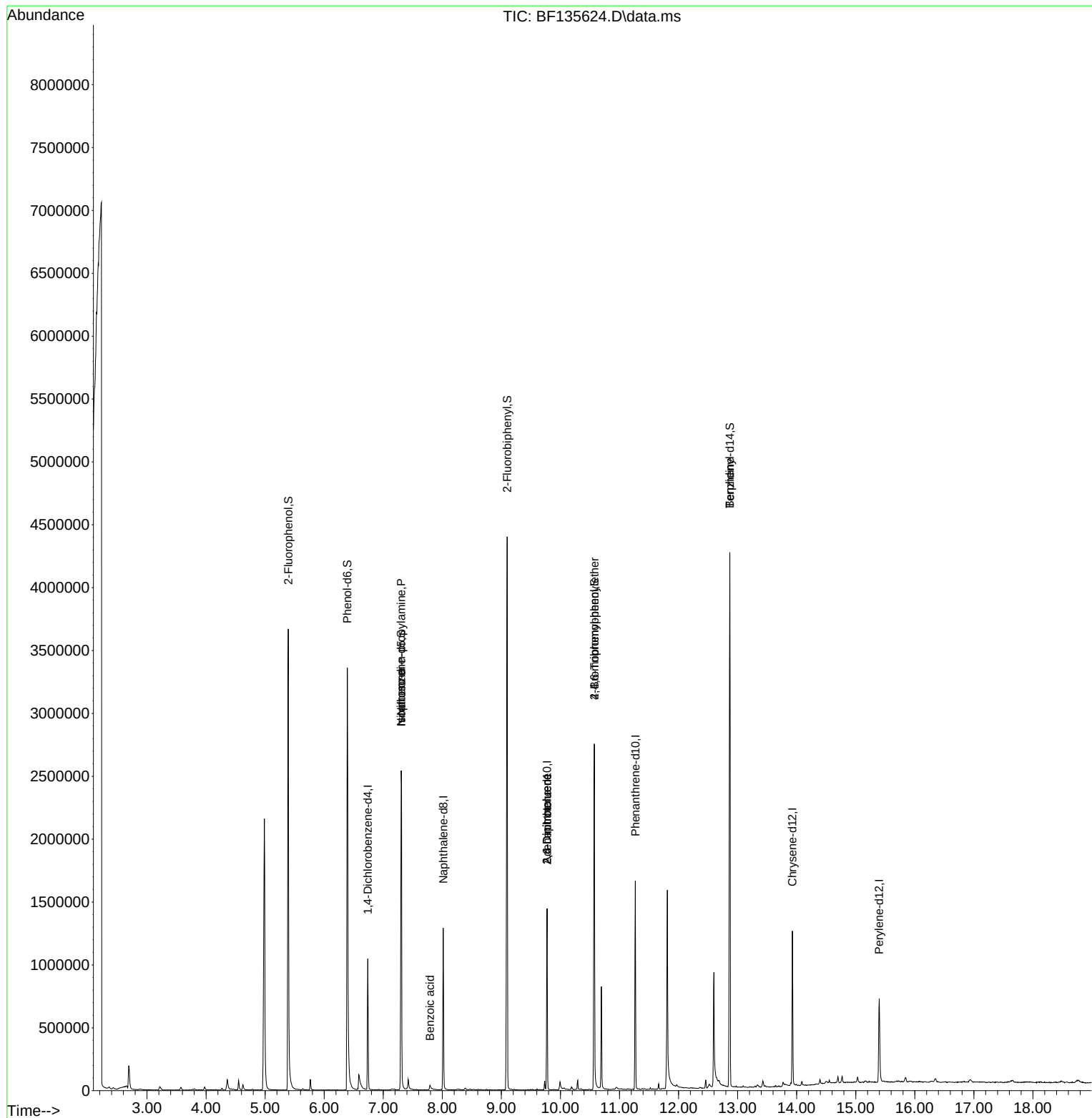
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.739  | 152  | 146812   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.016  | 136  | 564233   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.775  | 164  | 288901   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.269 | 188  | 575485   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.927 | 240  | 392018   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.398 | 264  | 324187   | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.392  | 112  | 1073959  | 118.978 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.392  | 99   | 1302969  | 113.521 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.304  | 82   | 919786   | 88.565  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.575 | 330  | 353471   | 123.119 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.098  | 172  | 1524282  | 79.602  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.868 | 244  | 1703817  | 67.376  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 125018   | 17.585  | ng    | # 78     |
| 25) Isophorone                | 7.304  | 82   | 919776   | 48.231  | ng    | # 65     |
| 32) Benzoic acid              | 7.792  | 122  | 15794    | 2.533   | ng    | 88       |
| 51) 2,6-Dinitrotoluene        | 9.775  | 165  | 36675    | 8.571   | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.775  | 165  | 36675    | 6.846   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.575 | 248  | 21701    | 3.791   | ng    | # 1      |
| 77) Benzidine                 | 12.868 | 184  | 21483    | 2.675   | ng    | # 92     |
| -----                         |        |      |          |         |       |          |

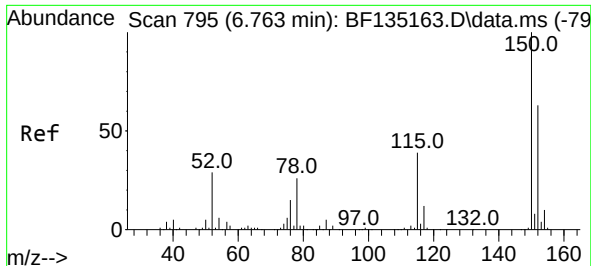
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100623\  
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BNA\_F  
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Quant Time: Oct 06 12:49:33 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 04 17:06:20 2023  
Response via : Initial Calibration

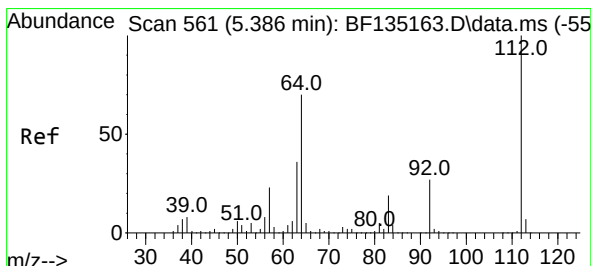
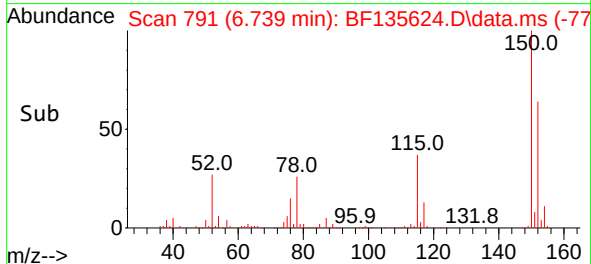
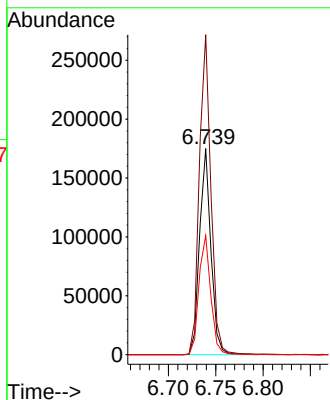
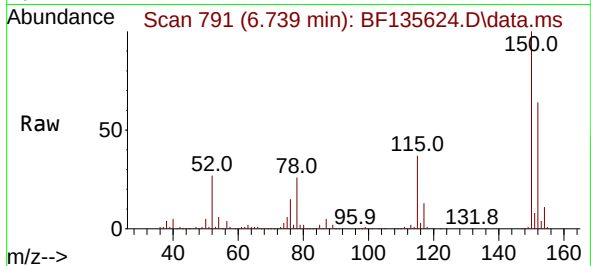




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.739 min Scan# 795  
Delta R.T. 0.000 min  
Lab File: BF135624.D  
Acq: 06 Oct 2023 12:31

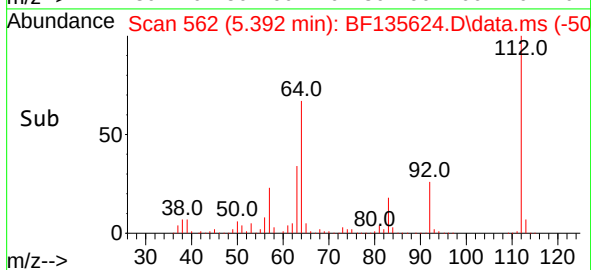
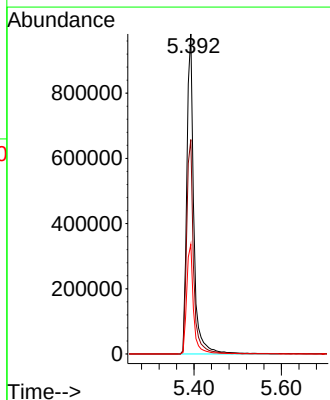
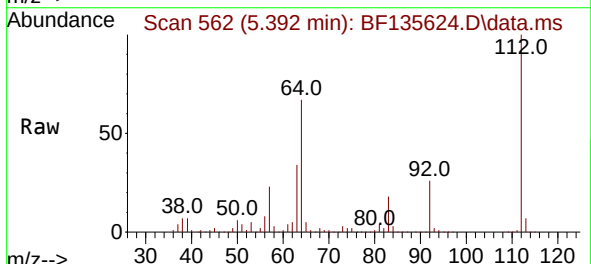
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BNA\_F  
ClientSampleId :

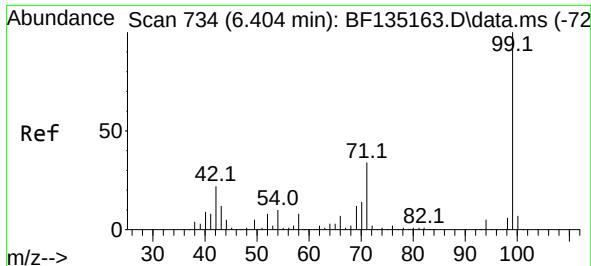
Tgt Ion:152 Resp: 146812  
Ion Ratio Lower Upper  
152 100  
150 155.2 127.8 191.6  
115 57.7 49.8 74.8



#5  
2-Fluorophenol  
Concen: 118.978 ng  
RT: 5.392 min Scan# 562  
Delta R.T. 0.024 min  
Lab File: BF135624.D  
Acq: 06 Oct 2023 12:31

Tgt Ion:112 Resp: 1073959  
Ion Ratio Lower Upper  
112 100  
64 67.0 55.9 83.9  
63 34.3 29.0 43.6

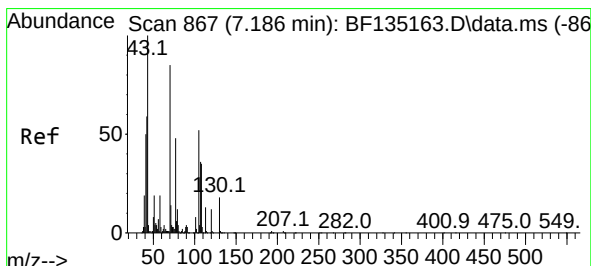
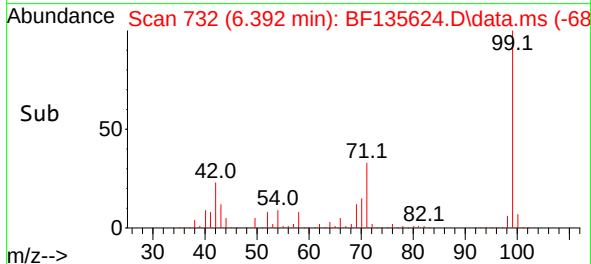
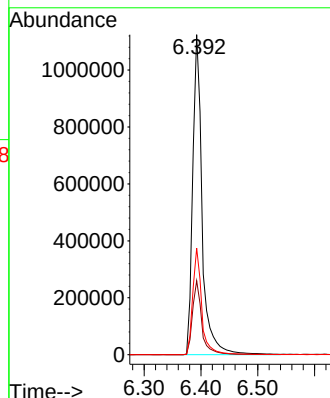
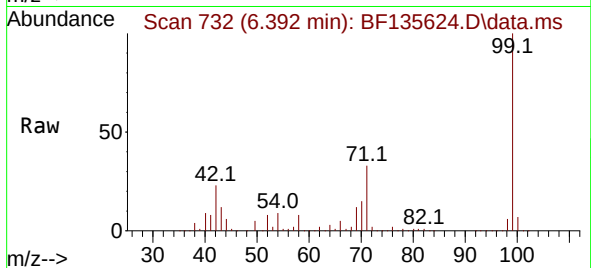




#7  
Phenol-d6  
Concen: 113.521 ng  
RT: 6.392 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: BF135624.D  
Acq: 06 Oct 2023 12:31

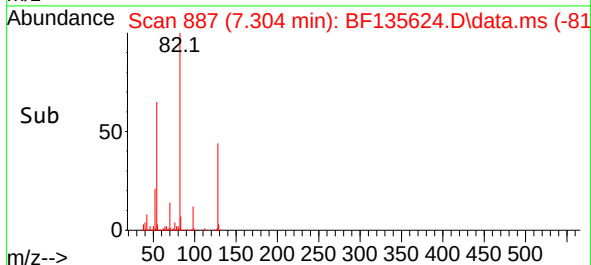
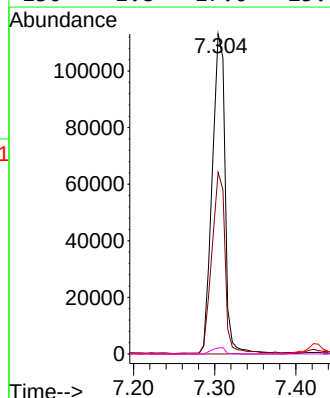
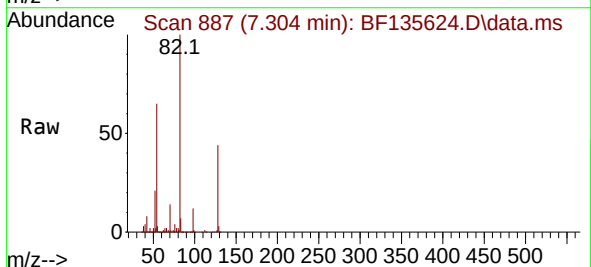
Instrument :  
BNA\_F  
ClientSampleId :

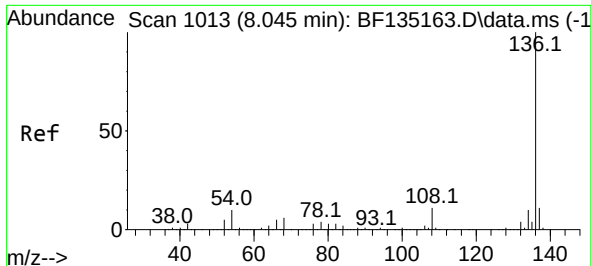
Tgt Ion: 99 Resp: 1302969  
Ion Ratio Lower Upper  
99 100  
42 23.1 17.9 26.9  
71 33.3 27.0 40.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 17.585 ng  
RT: 7.304 min Scan# 887  
Delta R.T. 0.147 min  
Lab File: BF135624.D  
Acq: 06 Oct 2023 12:31

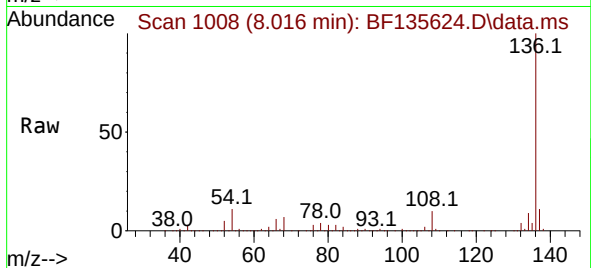
Tgt Ion: 70 Resp: 125018  
Ion Ratio Lower Upper  
70 100  
42 56.8 55.4 83.0  
101 0.0 7.7 11.5#  
130 1.8 17.0 25.6#



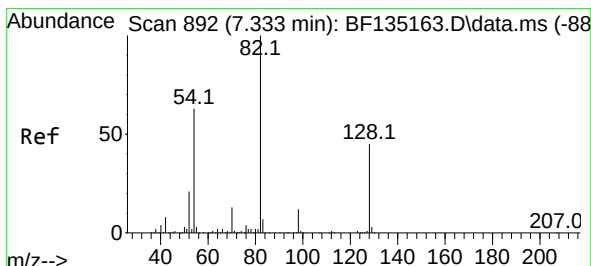
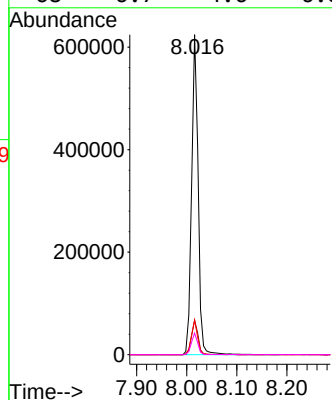
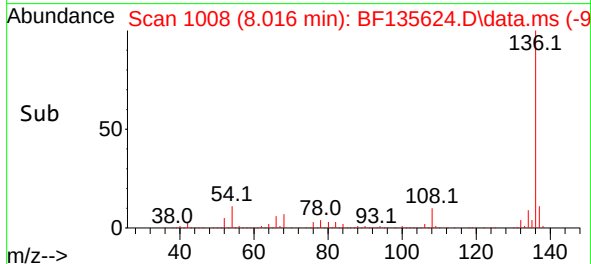


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.016 min Scan# 1013  
Delta R.T. 0.000 min  
Lab File: BF135624.D  
Acq: 06 Oct 2023 12:31

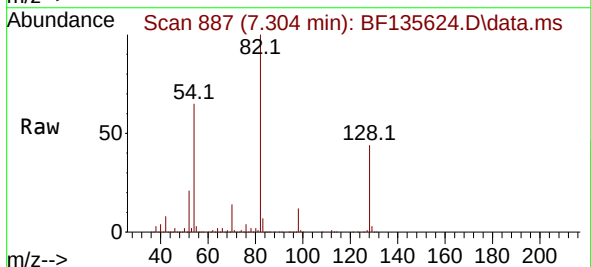
Instrument :  
BNA\_F  
ClientSampleId :



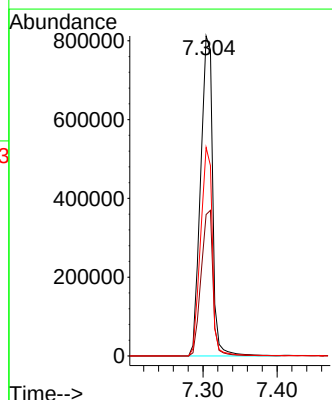
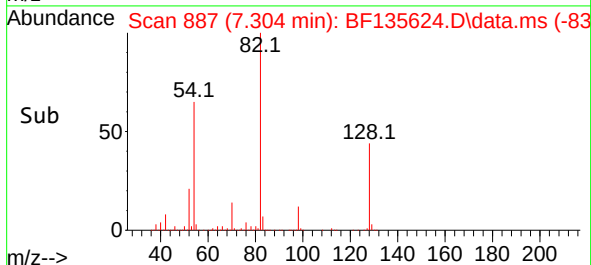
Tgt Ion:136 Resp: 564233  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.8 13.2  
54 10.8 7.7 11.5  
68 6.7 4.6 6.8

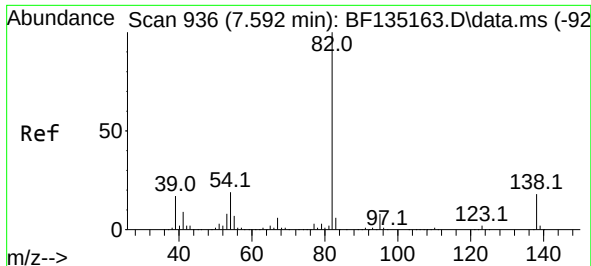


#23  
Nitrobenzene-d5  
Concen: 88.565 ng  
RT: 7.304 min Scan# 887  
Delta R.T. -0.006 min  
Lab File: BF135624.D  
Acq: 06 Oct 2023 12:31



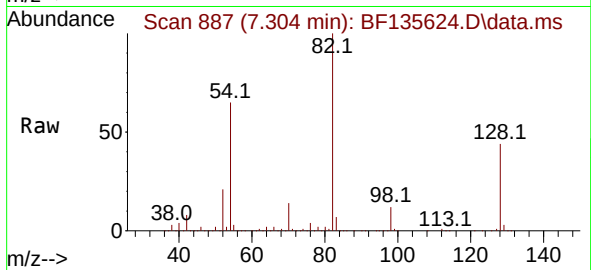
Tgt Ion: 82 Resp: 919786  
Ion Ratio Lower Upper  
82 100  
128 44.2 35.8 53.6  
54 65.1 50.6 76.0



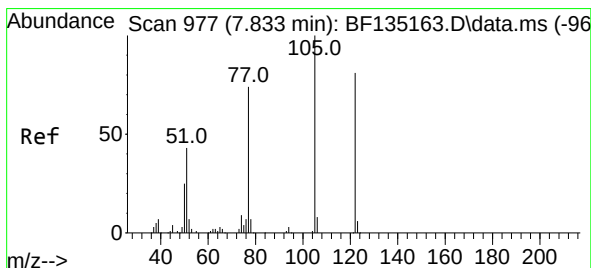
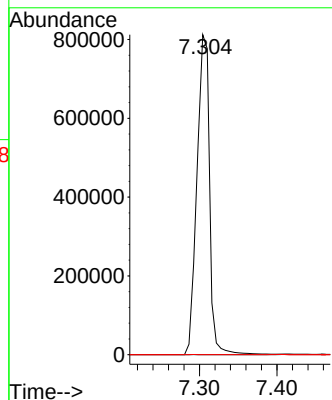
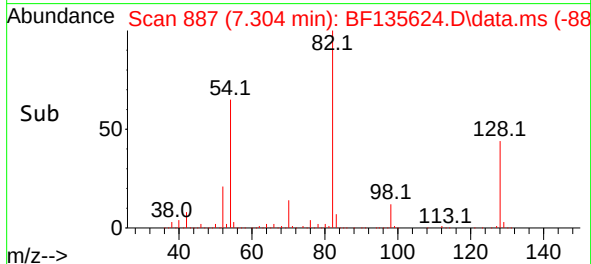


#25  
Isophorone  
Concen: 48.231 ng  
RT: 7.304 min Scan# 81  
Delta R.T. -0.259 min  
Lab File: BF135624.D  
Acq: 06 Oct 2023 12:31

Instrument :  
BNA\_F  
ClientSampleId :

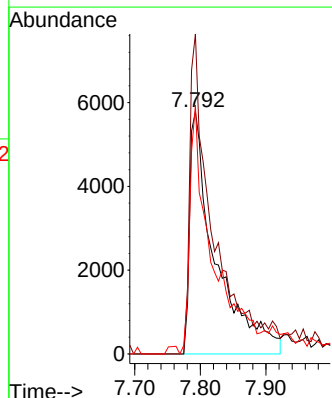
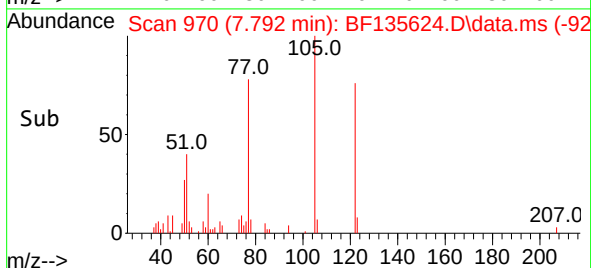
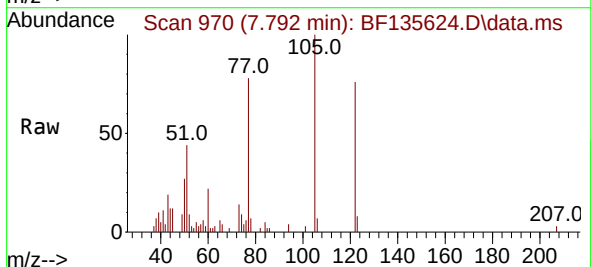


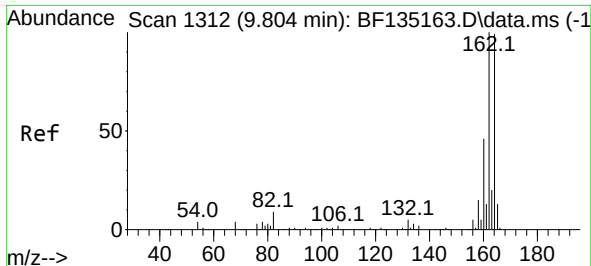
Tgt Ion: 82 Resp: 919776  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 14.5 21.7#



#32  
Benzoic acid  
Concen: 2.533 ng  
RT: 7.792 min Scan# 970  
Delta R.T. -0.029 min  
Lab File: BF135624.D  
Acq: 06 Oct 2023 12:31

Tgt Ion: 122 Resp: 15794  
Ion Ratio Lower Upper  
122 100  
105 132.0 99.9 139.9  
77 102.6 70.0 110.0

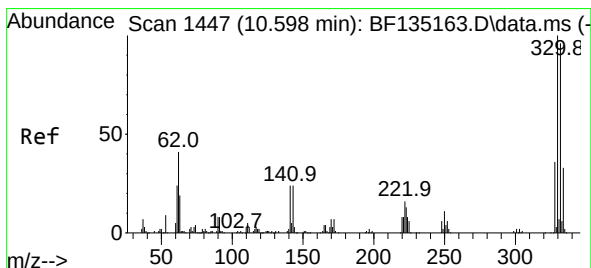
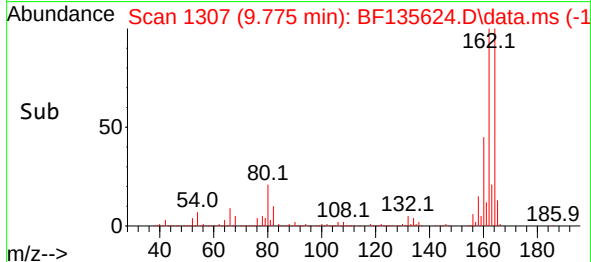
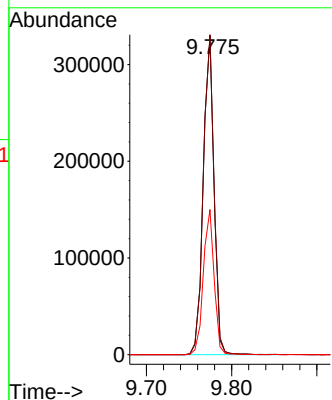
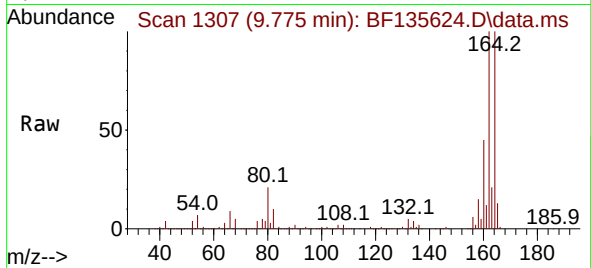




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.775 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF135624.D  
Acq: 06 Oct 2023 12:31

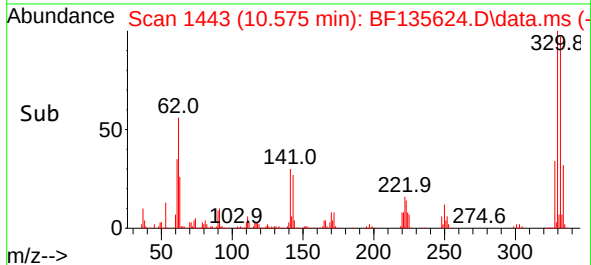
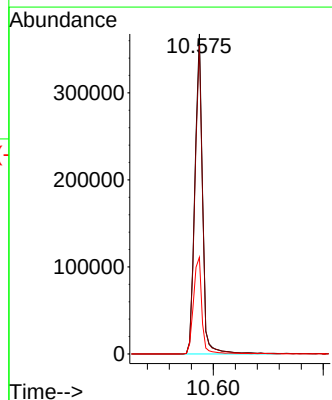
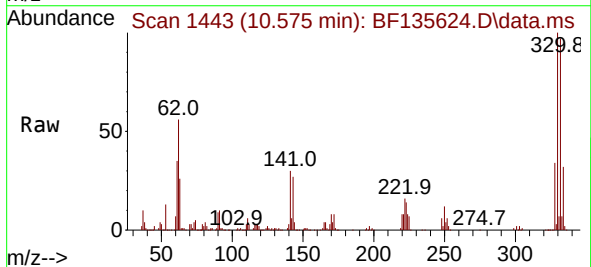
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BNA\_F  
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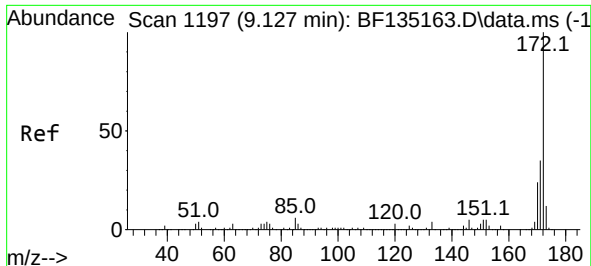
Tgt Ion:164 Resp: 288901  
Ion Ratio Lower Upper  
164 100  
162 100.4 81.0 121.4  
160 45.6 37.0 55.4



#42  
2,4,6-Tribromophenol  
Concen: 123.119 ng  
RT: 10.575 min Scan# 1443  
Delta R.T. 0.006 min  
Lab File: BF135624.D  
Acq: 06 Oct 2023 12:31

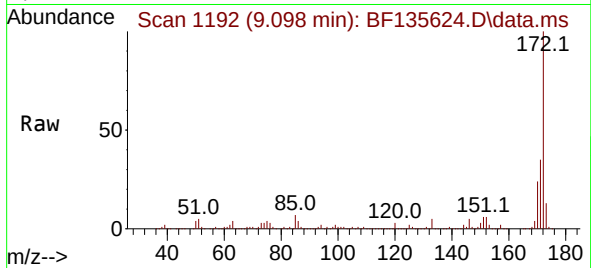
Tgt Ion:330 Resp: 353471  
Ion Ratio Lower Upper  
330 100  
332 95.7 77.3 115.9  
141 33.3 25.8 38.8



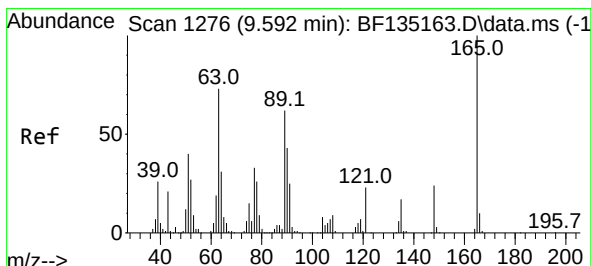
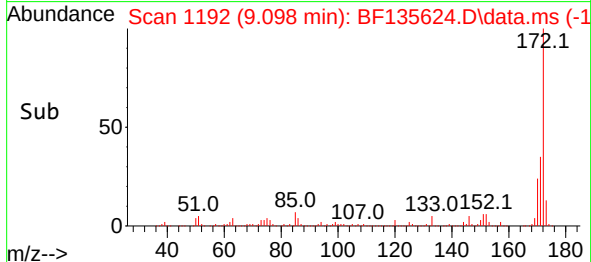
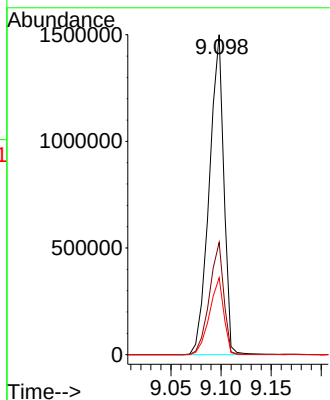


#45  
2-Fluorobiphenyl  
Concen: 79.602 ng  
RT: 9.098 min Scan# 1197  
Delta R.T. 0.000 min  
Lab File: BF135624.D  
Acq: 06 Oct 2023 12:31

Instrument :  
BNA\_F  
ClientSampleId :

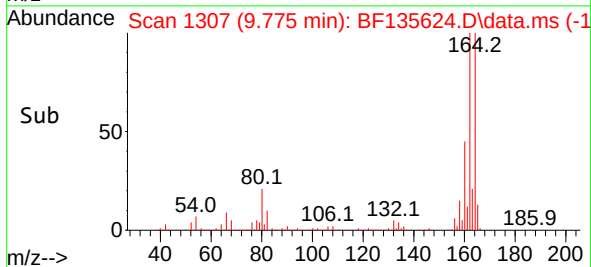
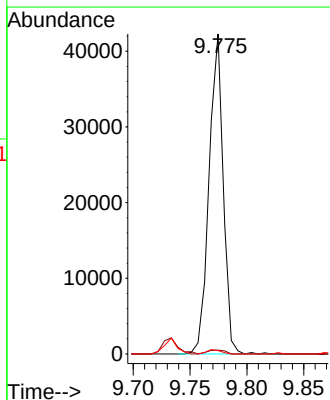
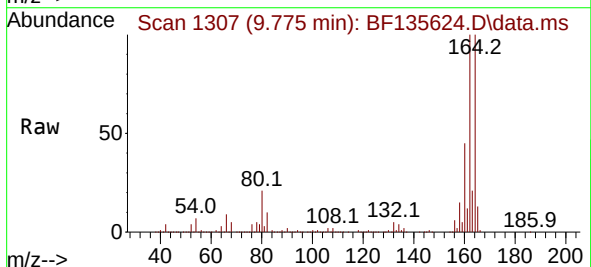


Tgt Ion:172 Resp: 1524282  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.4 42.6  
170 24.1 19.0 28.4

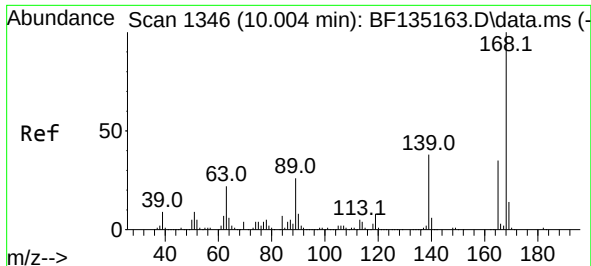


#51  
2,6-Dinitrotoluene  
Concen: 8.571 ng  
RT: 9.775 min Scan# 1307  
Delta R.T. 0.200 min  
Lab File: BF135624.D  
Acq: 06 Oct 2023 12:31

Tgt Ion:165 Resp: 36675  
Ion Ratio Lower Upper  
165 100  
63 1.2 59.4 89.2#  
89 1.1 49.8 74.8#

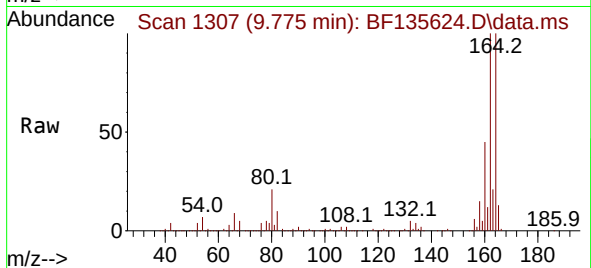




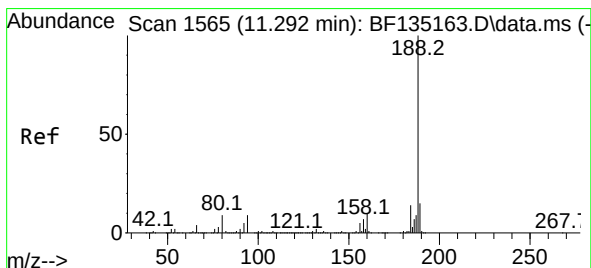
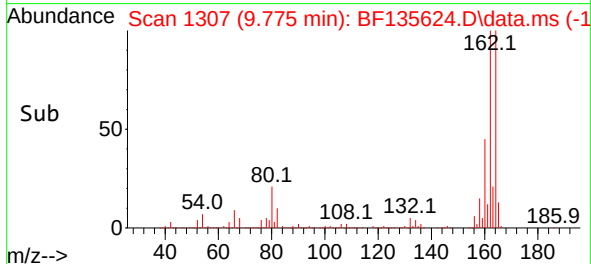
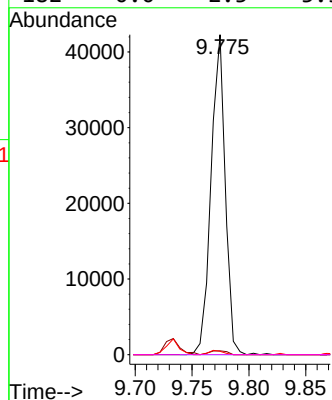


#57  
2,4-Dinitrotoluene  
Concen: 6.846 ng  
RT: 9.775 min Scan# 11  
Delta R.T. -0.212 min  
Lab File: BF135624.D  
Acq: 06 Oct 2023 12:31

Instrument :  
BNA\_F  
ClientSampleId :

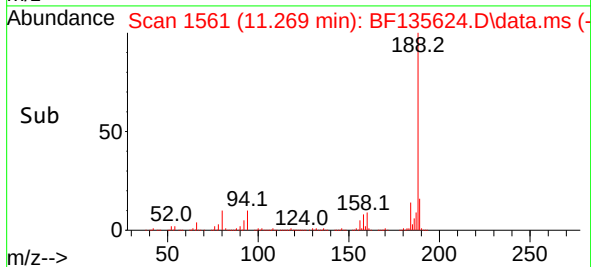
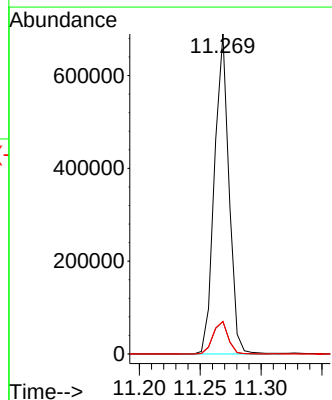
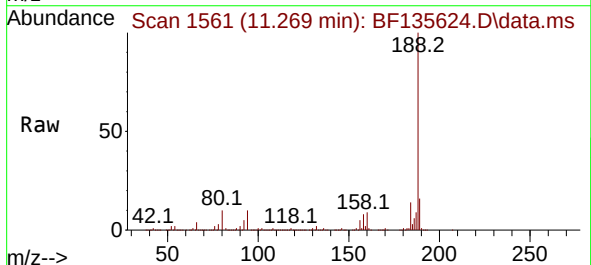


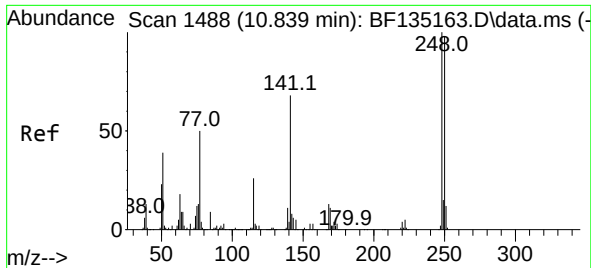
Tgt Ion:165 Resp: 36675  
Ion Ratio Lower Upper  
165 100  
63 1.2 50.1 75.1#  
89 1.1 59.3 88.9#  
182 0.0 2.3 3.5#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.269 min Scan# 1561  
Delta R.T. 0.000 min  
Lab File: BF135624.D  
Acq: 06 Oct 2023 12:31

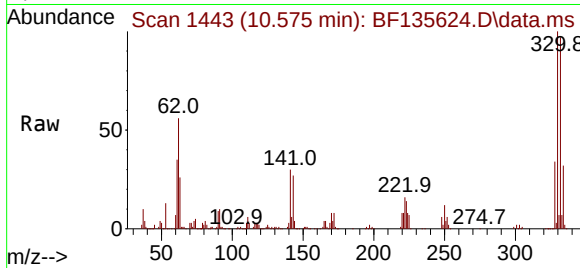
Tgt Ion:188 Resp: 575485  
Ion Ratio Lower Upper  
188 100  
94 10.1 7.0 10.6  
80 10.2 7.5 11.3



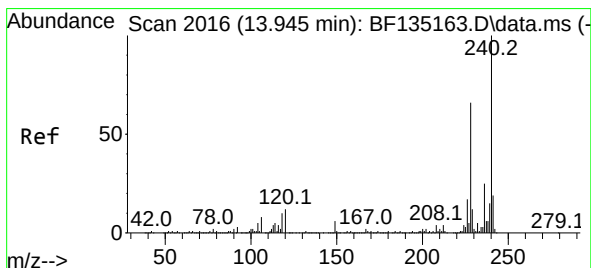
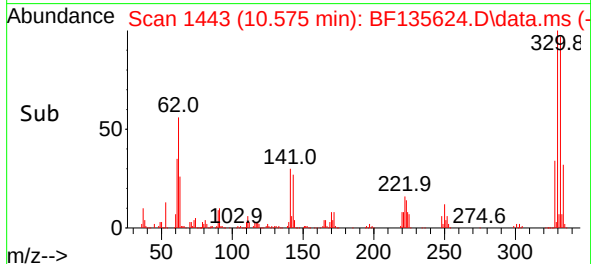
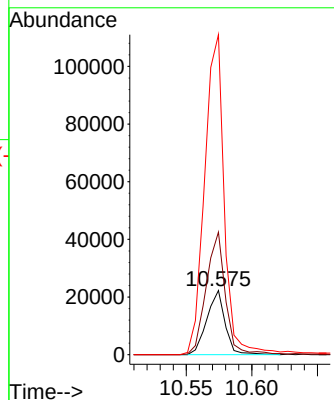


#67  
4-Bromophenyl-phenylether  
Concen: 3.791 ng  
RT: 10.575 min Scan# 1488  
Delta R.T. -0.235 min  
Lab File: BF135624.D  
Acq: 06 Oct 2023 12:31

Instrument :  
BNA\_F  
ClientSampleId :

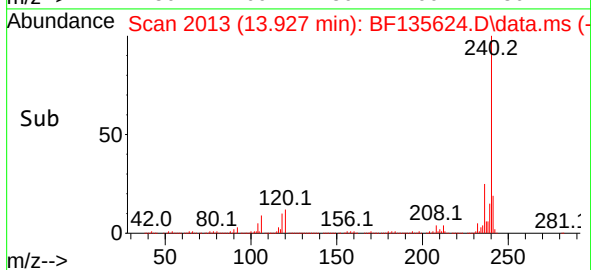
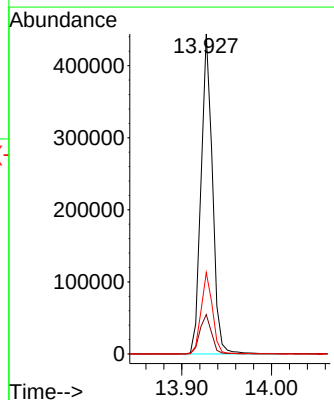
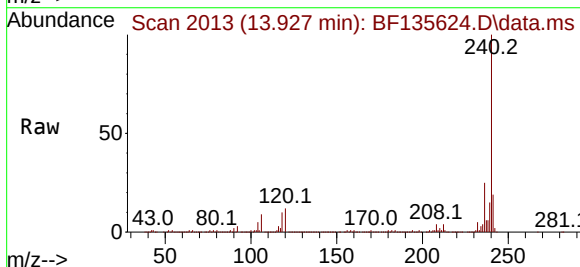


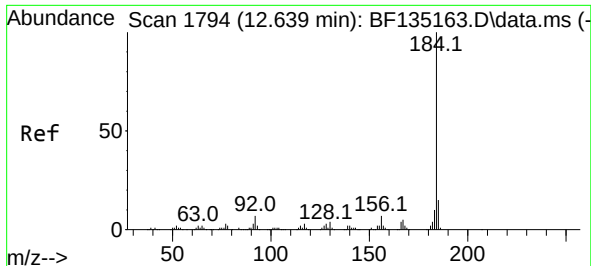
Tgt Ion:248 Resp: 21701  
Ion Ratio Lower Upper  
248 100  
250 191.2 78.6 117.8#  
141 499.2 54.2 81.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.927 min Scan# 2013  
Delta R.T. 0.000 min  
Lab File: BF135624.D  
Acq: 06 Oct 2023 12:31

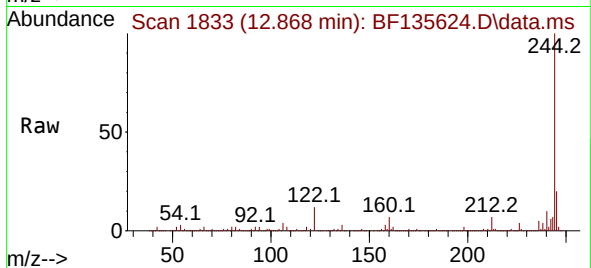
Tgt Ion:240 Resp: 392018  
Ion Ratio Lower Upper  
240 100  
120 12.3 9.4 14.2  
236 25.4 19.8 29.8



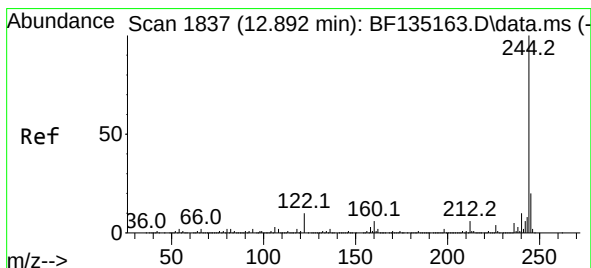
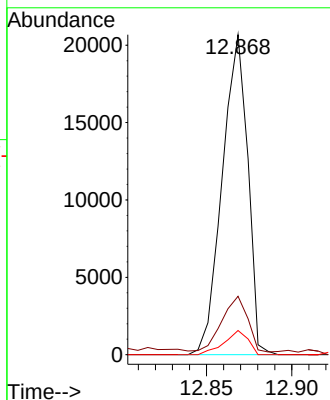
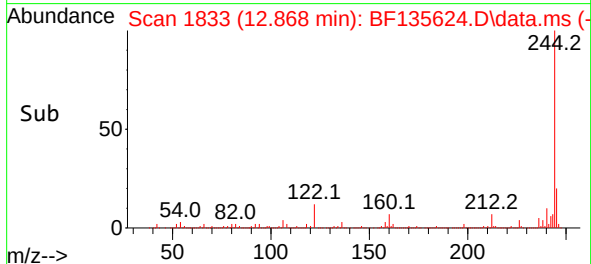


#77  
Benzidine  
Concen: 2.675 ng  
RT: 12.868 min Scan# 1833  
Delta R.T. 0.253 min  
Lab File: BF135624.D  
Acq: 06 Oct 2023 12:31

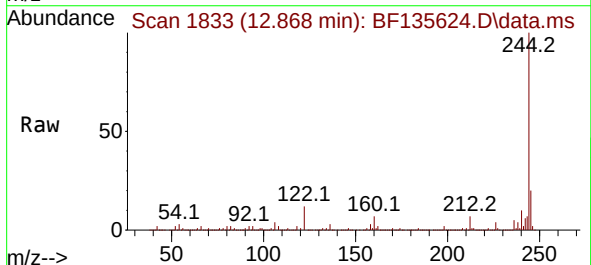
Instrument :  
BNA\_F  
ClientSampleId :



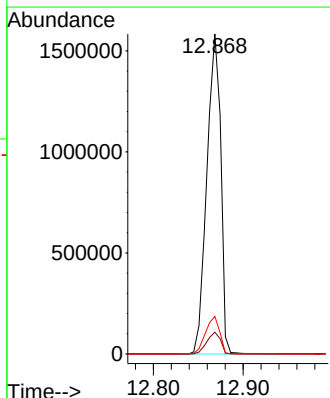
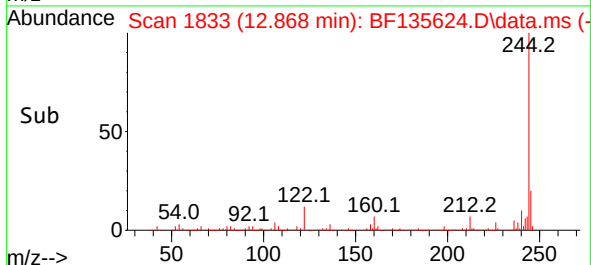
Tgt Ion:184 Resp: 21483  
Ion Ratio Lower Upper  
184 100  
185 18.2 11.7 17.5#  
183 7.6 8.2 12.4#

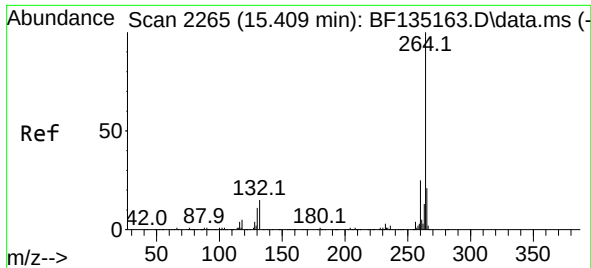


#79  
Terphenyl-d14  
Concen: 67.376 ng  
RT: 12.868 min Scan# 1833  
Delta R.T. 0.006 min  
Lab File: BF135624.D  
Acq: 06 Oct 2023 12:31



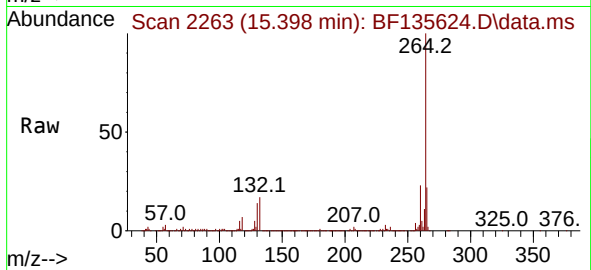
Tgt Ion:244 Resp: 1703817  
Ion Ratio Lower Upper  
244 100  
212 6.8 5.1 7.7  
122 11.7 7.9 11.9





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.398 min Scan# 21  
 Delta R.T. 0.012 min  
 Lab File: BF135624.D  
 Acq: 06 Oct 2023 12:31

Instrument :  
 BNA\_F  
 ClientSampleId :



|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:264 | Resp: | 324187      |
| Ion         | Ratio | Lower Upper |
| 264         | 100   |             |
| 260         | 23.2  | 19.8 29.6   |
| 265         | 21.7  | 17.0 25.4   |

