

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112724\  
 Data File : BF140667.D  
 Acq On : 27 Nov 2024 14:04  
 Operator : RC/JU  
 Sample : P4985-01RE  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-756-WC

Quant Time: Nov 27 14:31:22 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

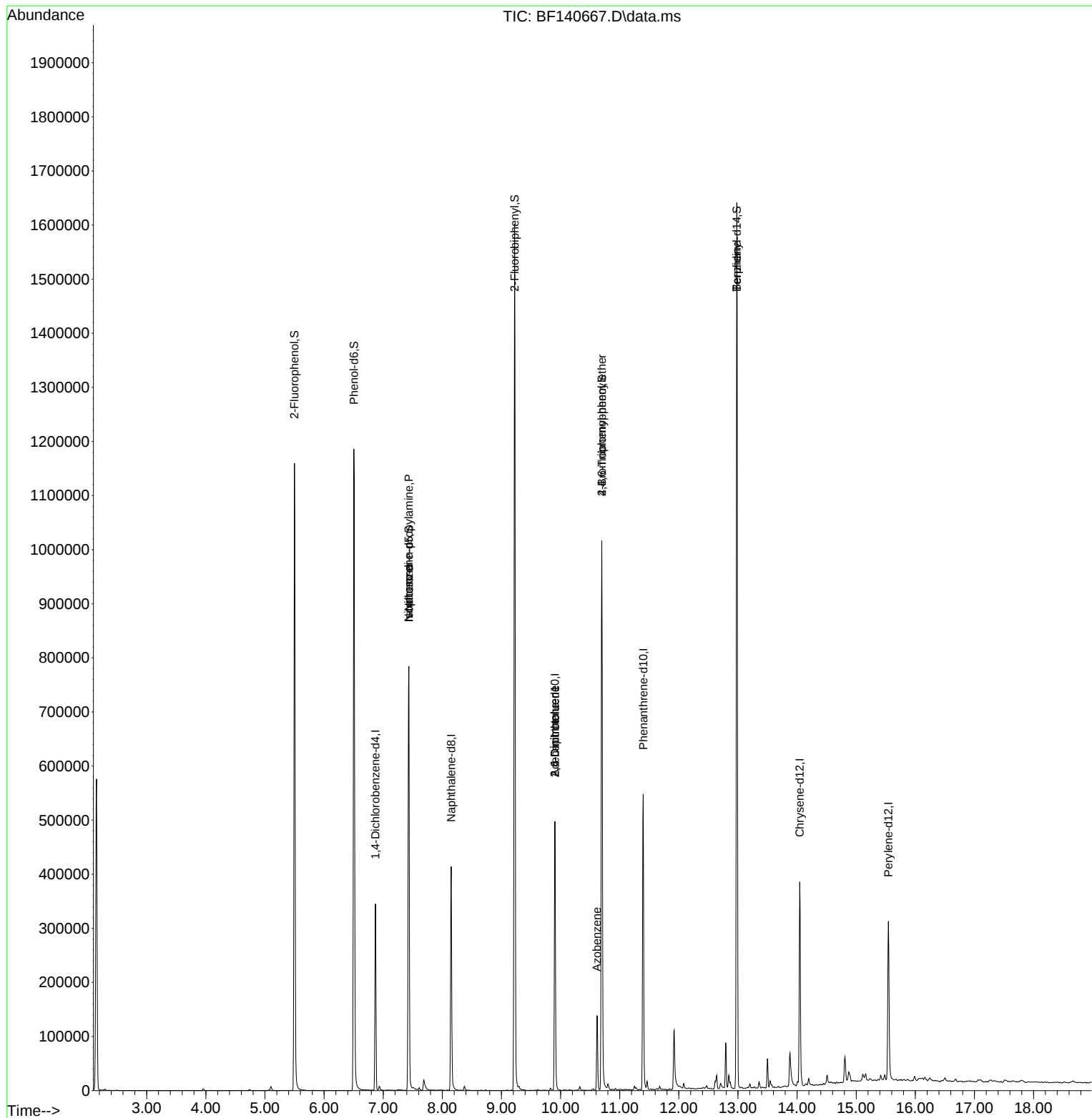
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 72834    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 273522   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.904  | 164  | 157616   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.398 | 188  | 310681   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 186187   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.545 | 264  | 178138   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 439629   | 102.987 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.504  | 99   | 575619   | 101.999 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.433  | 82   | 369674   | 69.131  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.698 | 330  | 181118   | 107.443 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.222  | 172  | 726580   | 68.684  | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.980 | 244  | 802645   | 67.127  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.433  | 70   | 50814    | 15.235  | ng    | # 75     |
| 25) Isophorone                | 7.433  | 82   | 363082   | 40.708  | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.904  | 165  | 20316    | 8.630   | ng    | # 20     |
| 57) 2,4-Dinitrotoluene        | 9.904  | 165  | 20316    | 6.493   | ng    | # 18     |
| 63) Azobenzene                | 10.616 | 77   | 39170    | 3.922   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.698 | 248  | 12158    | 3.800   | ng    | # 1      |
| 77) Benzidine                 | 12.980 | 184  | 11548    | 2.133   | ng    | # 90     |
| -----                         |        |      |          |         |       |          |

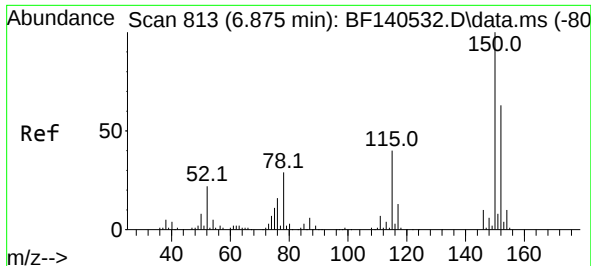
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112724\  
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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-756-WC

Quant Time: Nov 27 14:31:22 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
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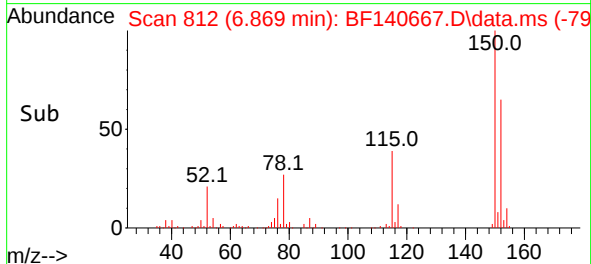
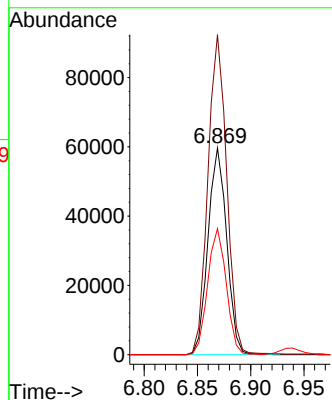
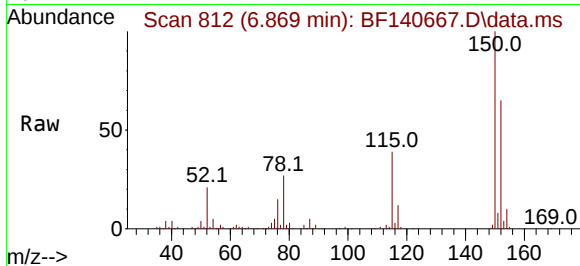




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 813  
Delta R.T. -0.006 min  
Lab File: BF140667.D  
Acq: 27 Nov 2024 14:04

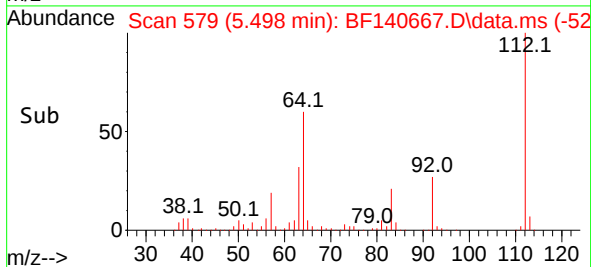
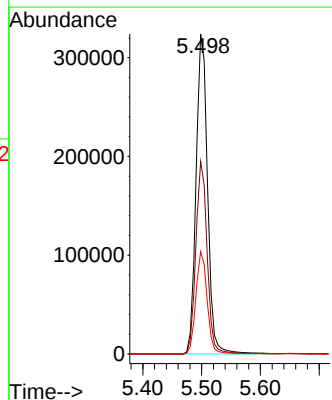
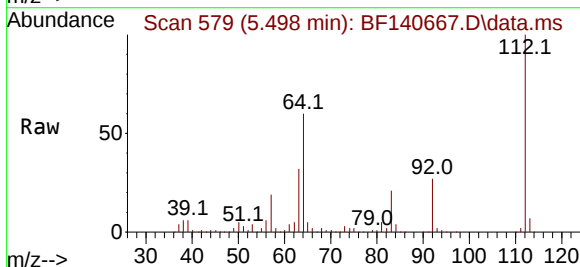
Instrument :  
BNA\_F  
ClientSampleId :  
MH-756-WC

Tgt Ion:152 Resp: 72834  
Ion Ratio Lower Upper  
152 100  
150 154.8 128.5 192.7  
115 61.0 50.2 75.4



#5  
2-Fluorophenol  
Concen: 102.987 ng  
RT: 5.498 min Scan# 579  
Delta R.T. -0.000 min  
Lab File: BF140667.D  
Acq: 27 Nov 2024 14:04

Tgt Ion:112 Resp: 439629  
Ion Ratio Lower Upper  
112 100  
64 60.2 49.2 73.8  
63 32.0 27.0 40.4

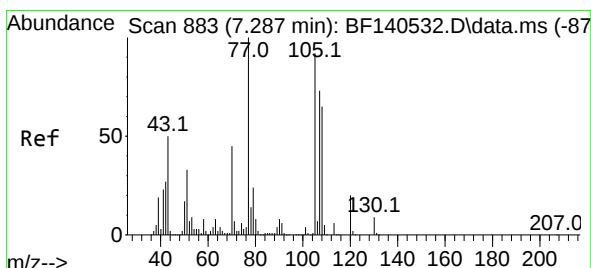
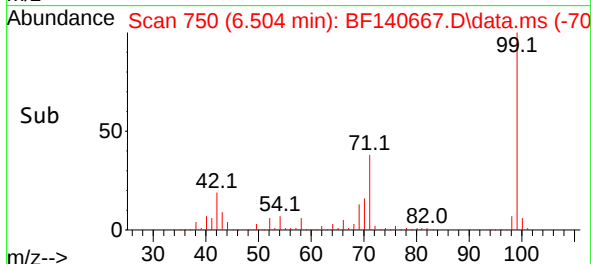
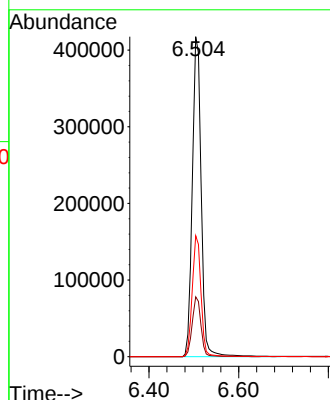
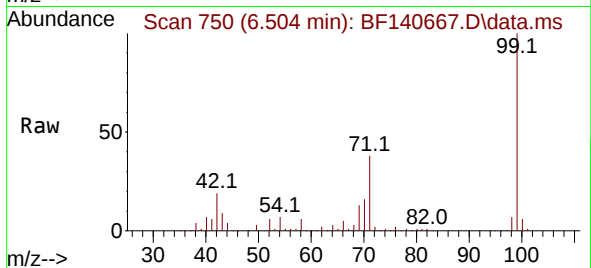




#7  
Phenol-d6  
Concen: 101.999 ng  
RT: 6.504 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF140667.D  
Acq: 27 Nov 2024 14:04

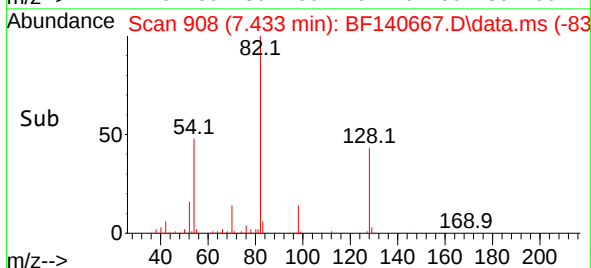
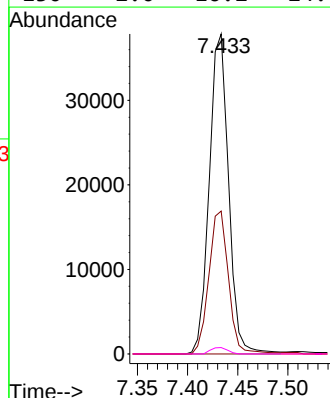
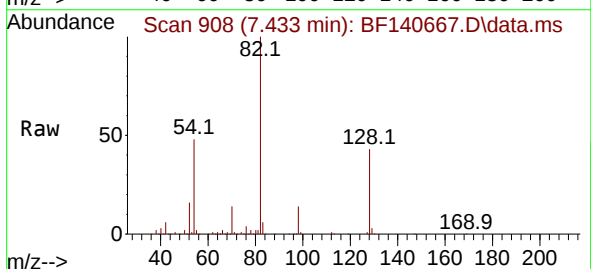
Instrument :  
BNA\_F  
ClientSampleId :  
MH-756-WC

Tgt Ion: 99 Resp: 575619  
Ion Ratio Lower Upper  
99 100  
42 18.7 15.4 23.0  
71 37.8 30.6 46.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 15.235 ng  
RT: 7.433 min Scan# 908  
Delta R.T. 0.147 min  
Lab File: BF140667.D  
Acq: 27 Nov 2024 14:04

Tgt Ion: 70 Resp: 50814  
Ion Ratio Lower Upper  
70 100  
42 44.7 47.6 71.4#  
101 0.0 7.6 11.4#  
130 2.0 16.2 24.4#



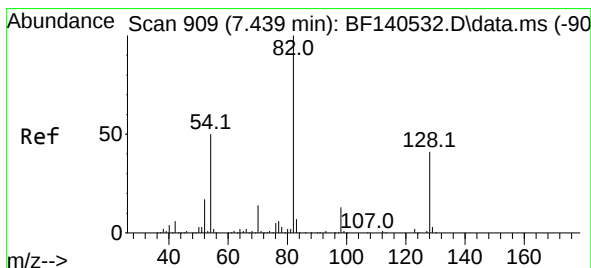
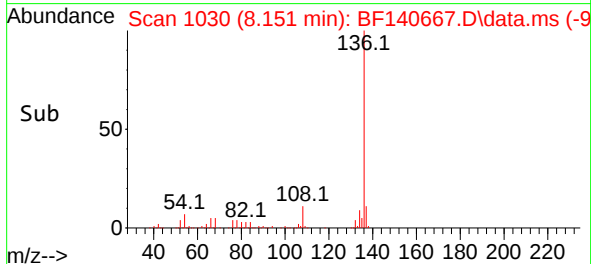
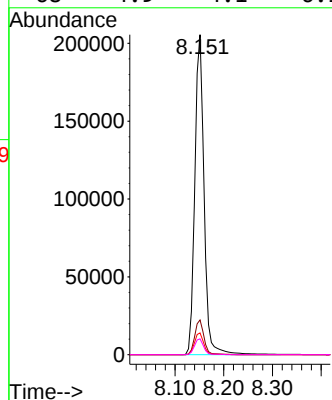
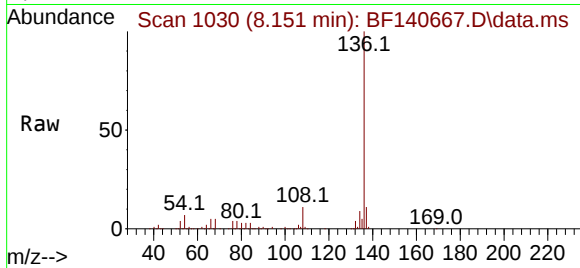


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BF140667.D  
Acq: 27 Nov 2024 14:04

Instrument :  
BNA\_F  
ClientSampleId :  
MH-756-WC

Tgt Ion:136 Resp: 273522

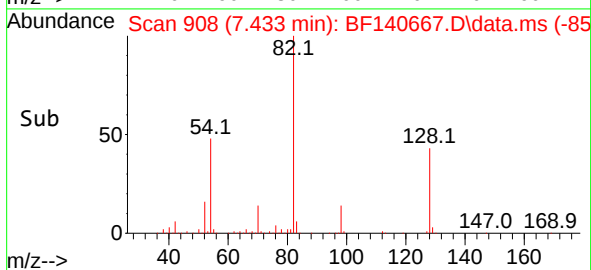
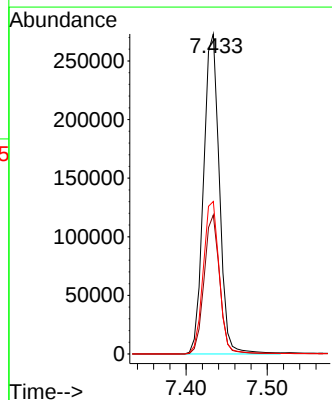
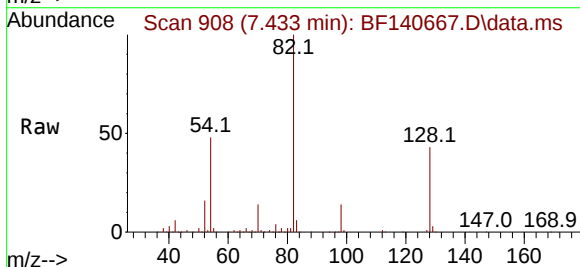
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.6   | 13.0  |
| 54  | 6.8   | 5.8   | 8.8   |
| 68  | 4.9   | 4.1   | 6.1   |

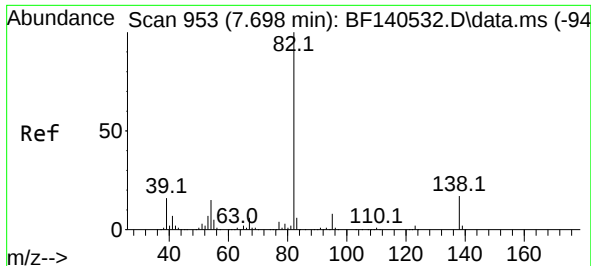


#23  
Nitrobenzene-d5  
Concen: 69.131 ng  
RT: 7.433 min Scan# 908  
Delta R.T. -0.006 min  
Lab File: BF140667.D  
Acq: 27 Nov 2024 14:04

Tgt Ion: 82 Resp: 369674

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 43.5  | 33.0  | 49.4  |
| 54  | 47.7  | 39.5  | 59.3  |

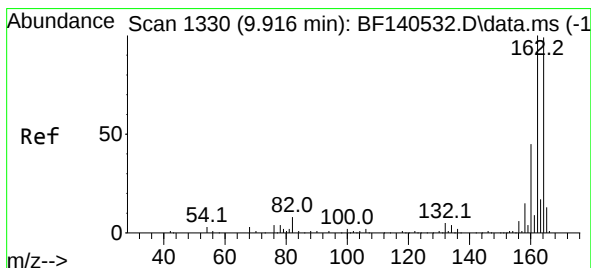
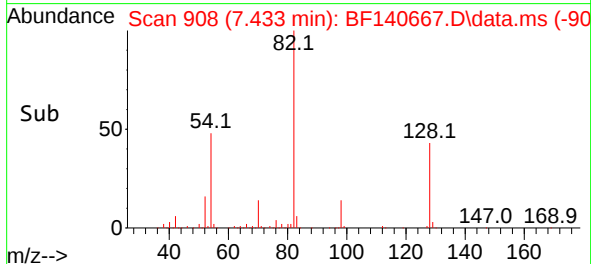
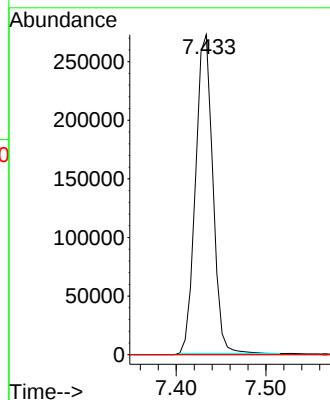
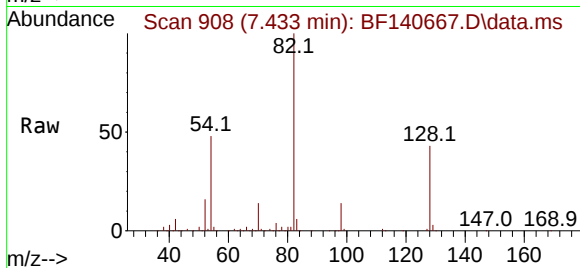




#25  
Isophorone  
Concen: 40.708 ng  
RT: 7.433 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF140667.D  
Acq: 27 Nov 2024 14:04

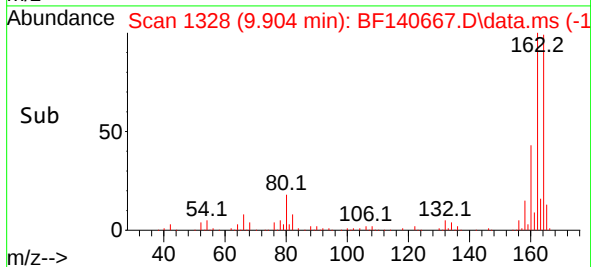
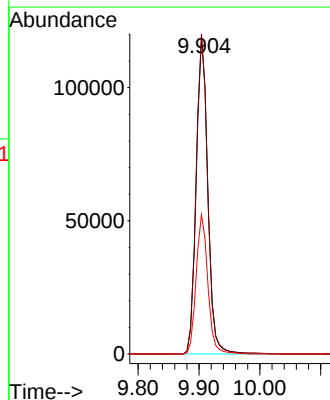
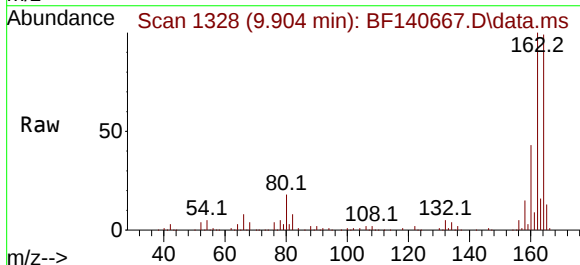
Instrument :  
BNA\_F  
ClientSampleId :  
MH-756-WC

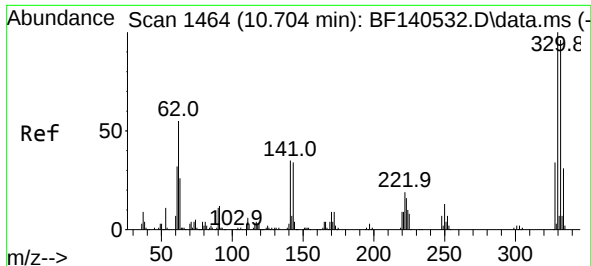
Tgt Ion: 82 Resp: 363082  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.4 9.6#  
138 0.0 13.8 20.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.904 min Scan# 1328  
Delta R.T. -0.012 min  
Lab File: BF140667.D  
Acq: 27 Nov 2024 14:04

Tgt Ion: 164 Resp: 157616  
Ion Ratio Lower Upper  
164 100  
162 100.9 80.6 120.8  
160 43.9 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 107.443 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140667.D

Acq: 27 Nov 2024 14:04

Instrument :

BNA\_F

ClientSampleId :

MH-756-WC

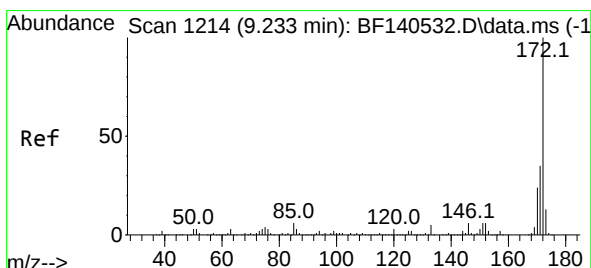
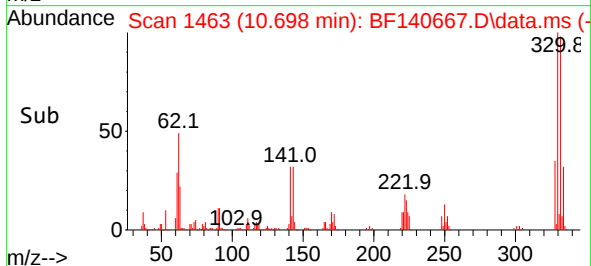
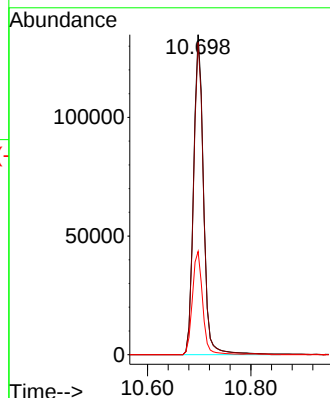
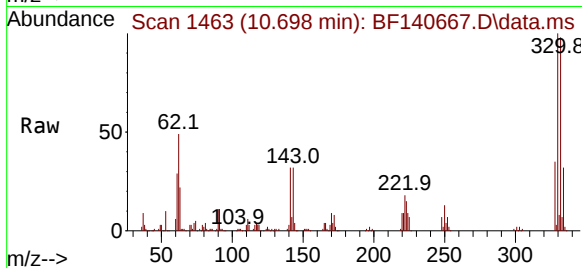
Tgt Ion:330 Resp: 181118

Ion Ratio Lower Upper

330 100

332 97.5 76.9 115.3

141 33.1 26.7 40.1



#45

2-Fluorobiphenyl

Concen: 68.684 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.012 min

Lab File: BF140667.D

Acq: 27 Nov 2024 14:04

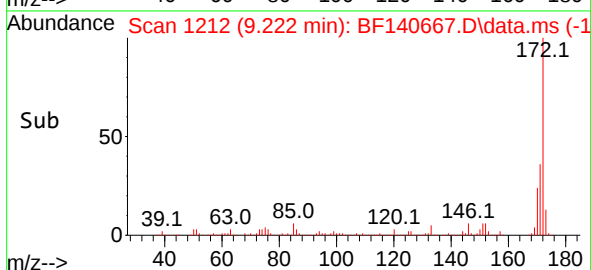
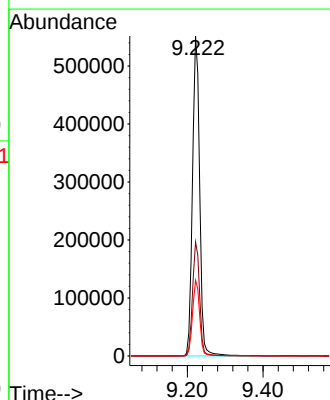
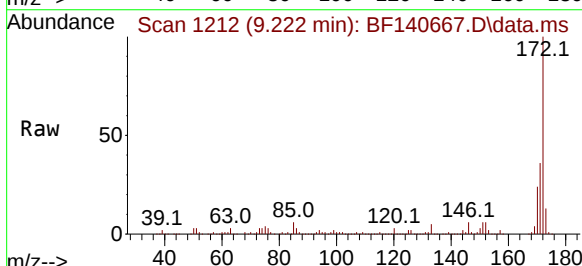
Tgt Ion:172 Resp: 726580

Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 23.7 19.0 28.6

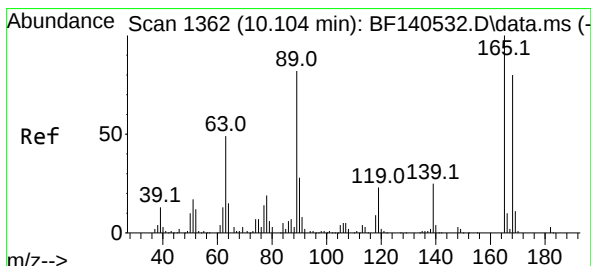
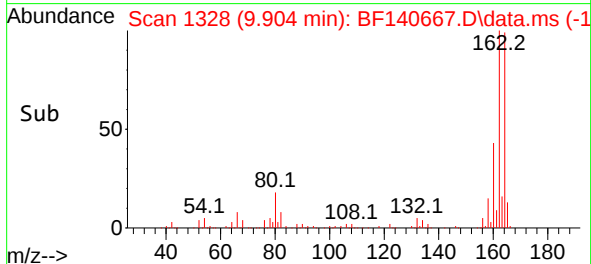
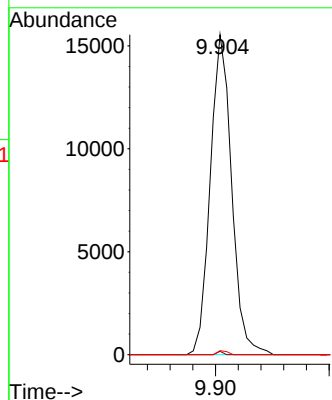
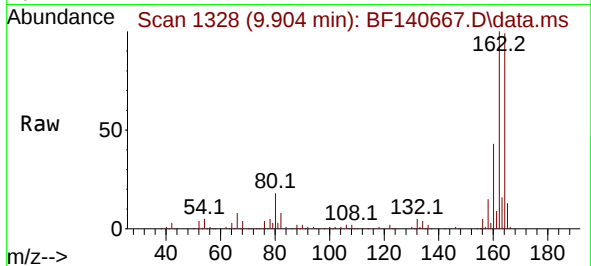




#51  
2,6-Dinitrotoluene  
Concen: 8.630 ng  
RT: 9.904 min Scan# 11  
Delta R.T. 0.206 min  
Lab File: BF140667.D  
Acq: 27 Nov 2024 14:04

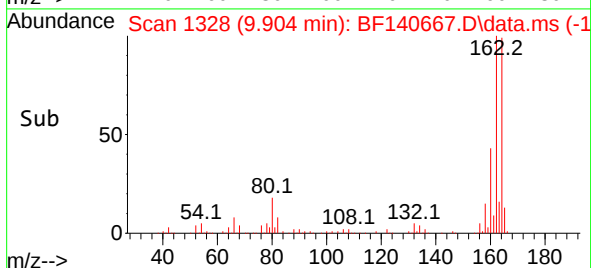
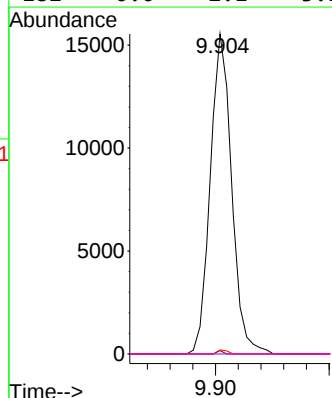
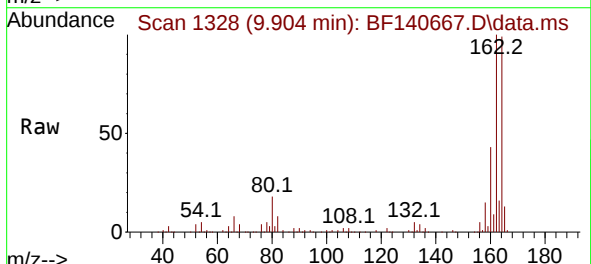
Instrument :  
BNA\_F  
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MH-756-WC

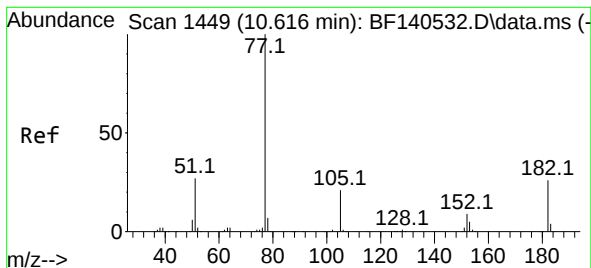
Tgt Ion:165 Resp: 20316  
Ion Ratio Lower Upper  
165 100  
63 1.1 49.9 74.9#  
89 1.2 50.9 76.3#



#57  
2,4-Dinitrotoluene  
Concen: 6.493 ng  
RT: 9.904 min Scan# 1328  
Delta R.T. -0.200 min  
Lab File: BF140667.D  
Acq: 27 Nov 2024 14:04

Tgt Ion:165 Resp: 20316  
Ion Ratio Lower Upper  
165 100  
63 1.1 41.7 62.5#  
89 1.2 65.8 98.8#  
182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 3.922 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.000 min

Lab File: BF140667.D

Acq: 27 Nov 2024 14:04

Instrument :

BNA\_F

ClientSampleId :

MH-756-WC

Tgt Ion: 77 Resp: 39170

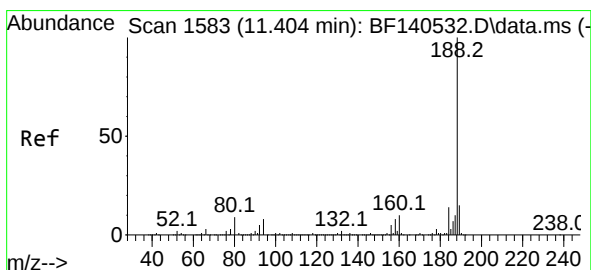
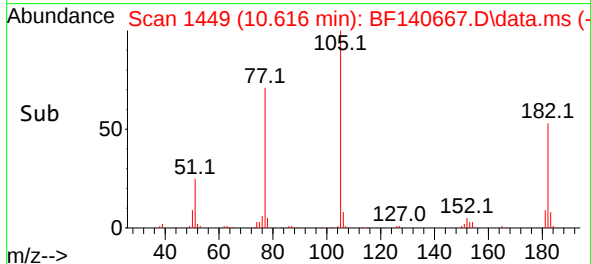
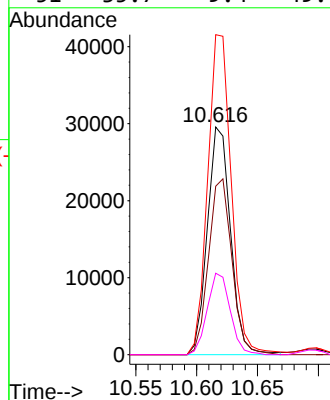
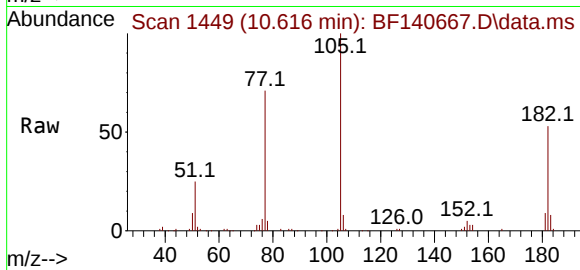
Ion Ratio Lower Upper

77 100

182 74.0 5.3 45.3#

105 140.5 0.3 40.3#

51 35.7 9.4 49.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF140667.D

Acq: 27 Nov 2024 14:04

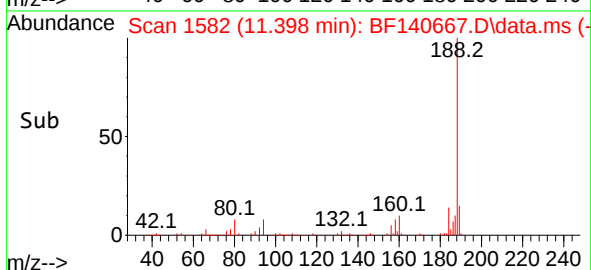
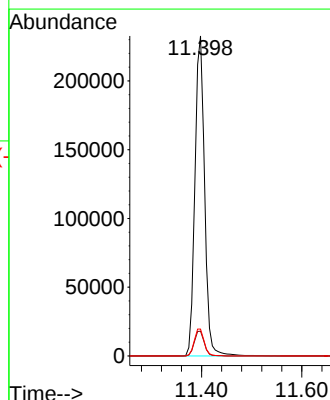
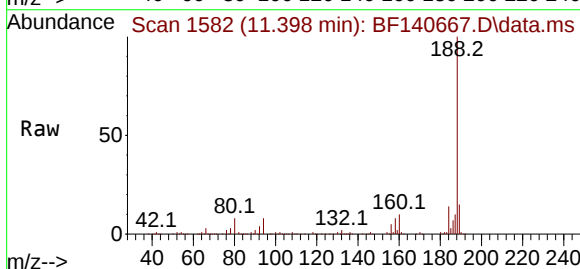
Tgt Ion: 188 Resp: 310681

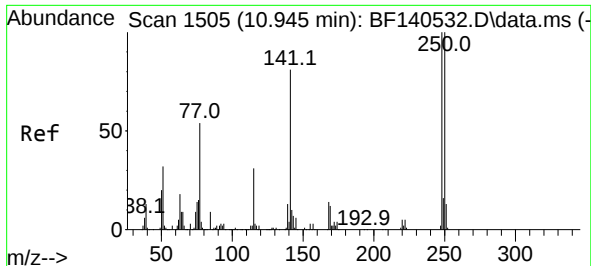
Ion Ratio Lower Upper

188 100

94 7.7 6.4 9.6

80 8.4 6.9 10.3

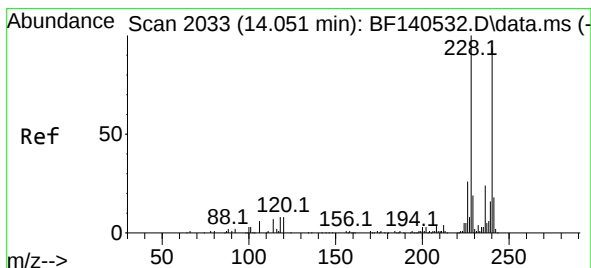
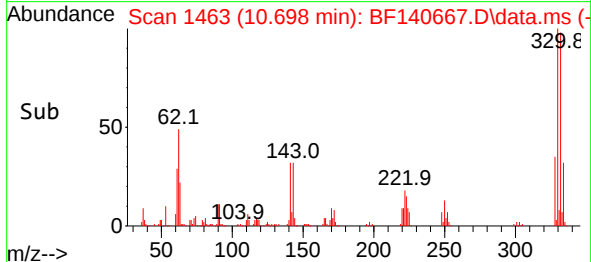
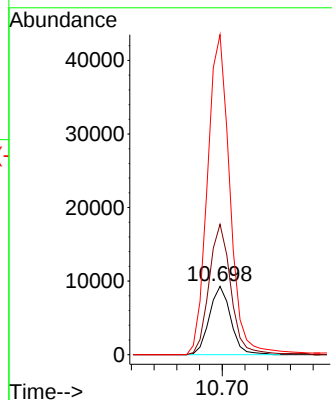
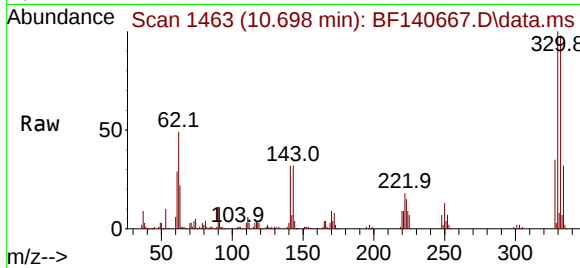




#67  
4-Bromophenyl-phenylether  
Concen: 3.800 ng  
RT: 10.698 min Scan# 14  
Delta R.T. -0.247 min  
Lab File: BF140667.D  
Acq: 27 Nov 2024 14:04

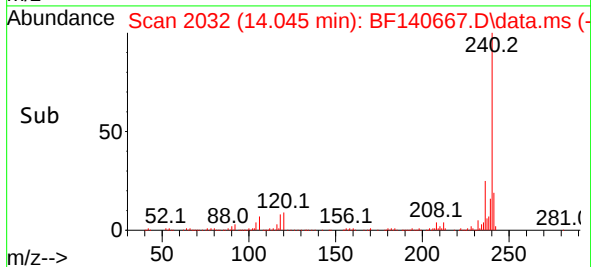
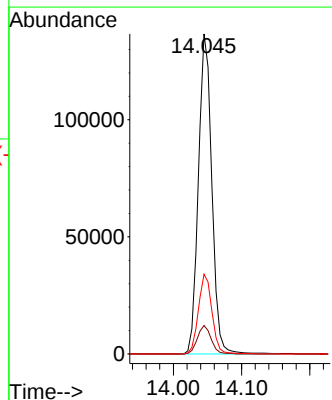
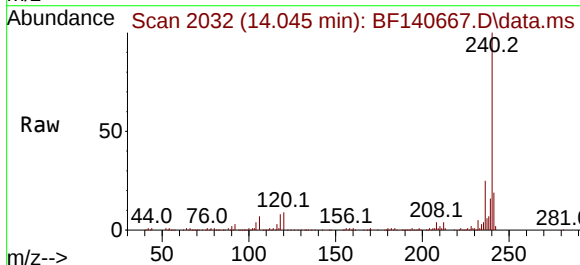
Instrument :  
BNA\_F  
ClientSampleId :  
MH-756-WC

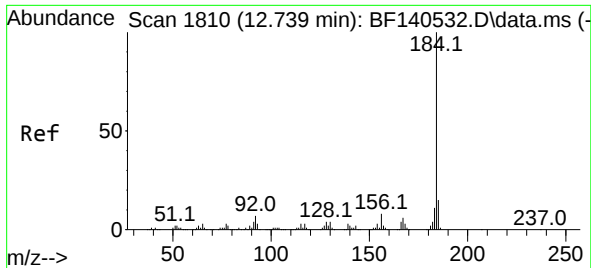
Tgt Ion:248 Resp: 12158  
Ion Ratio Lower Upper  
248 100  
250 190.8 79.8 119.8#  
141 468.1 64.7 97.1#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 2032  
Delta R.T. -0.006 min  
Lab File: BF140667.D  
Acq: 27 Nov 2024 14:04

Tgt Ion:240 Resp: 186187  
Ion Ratio Lower Upper  
240 100  
120 8.9 7.3 10.9  
236 24.9 20.6 31.0

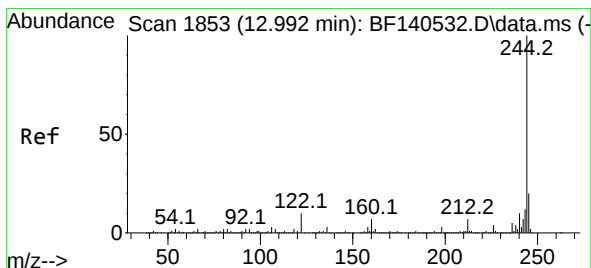
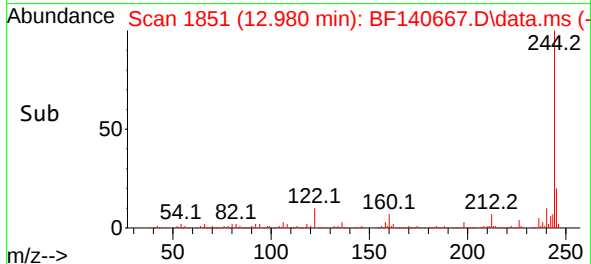
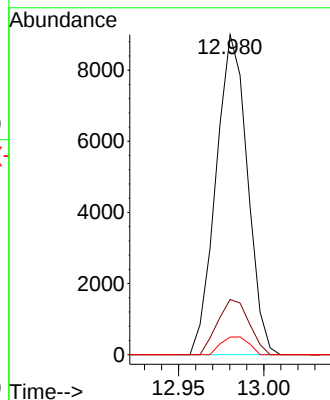
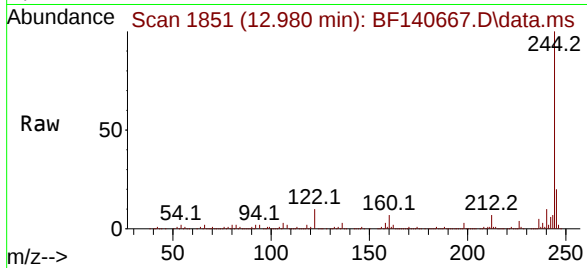




#77  
Benzidine  
Concen: 2.133 ng  
RT: 12.980 min Scan# 1851  
Delta R.T. 0.241 min  
Lab File: BF140667.D  
Acq: 27 Nov 2024 14:04

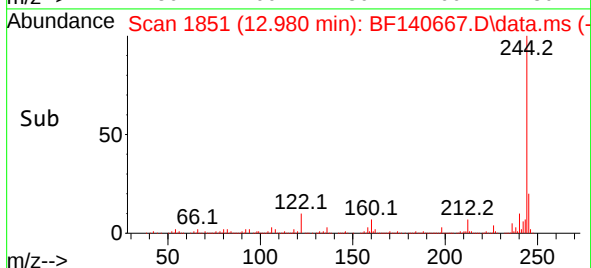
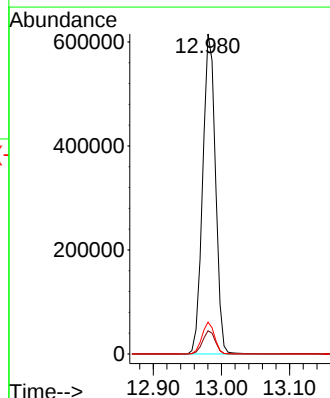
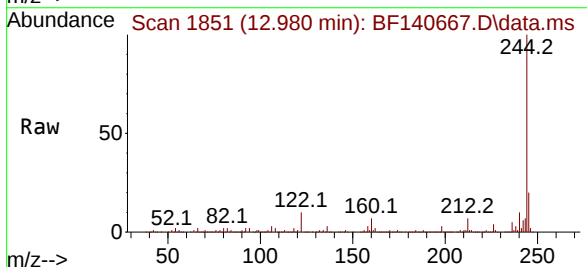
Instrument :  
BNA\_F  
ClientSampleId :  
MH-756-WC

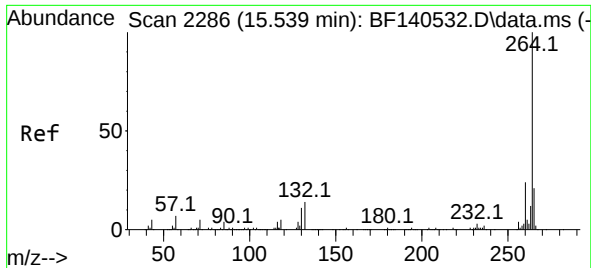
Tgt Ion:184 Resp: 11548  
Ion Ratio Lower Upper  
184 100  
185 17.2 11.7 17.5  
183 5.5 8.8 13.2#



#79  
Terphenyl-d14  
Concen: 67.127 ng  
RT: 12.980 min Scan# 1851  
Delta R.T. -0.012 min  
Lab File: BF140667.D  
Acq: 27 Nov 2024 14:04

Tgt Ion:244 Resp: 802645  
Ion Ratio Lower Upper  
244 100  
212 7.3 5.8 8.8  
122 10.0 8.0 12.0





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.545 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: BF140667.D  
 Acq: 27 Nov 2024 14:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-756-WC

Tgt Ion:264 Resp: 178138  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.0 28.6  
 265 21.8 16.6 25.0

