

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082224\  
 Data File : BF139114.D  
 Acq On : 22 Aug 2024 10:54  
 Operator : RC/JU  
 Sample : PB162782BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB162782BL

Quant Time: Aug 22 11:25:48 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF082024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 21 01:25:05 2024  
 Response via : Initial Calibration

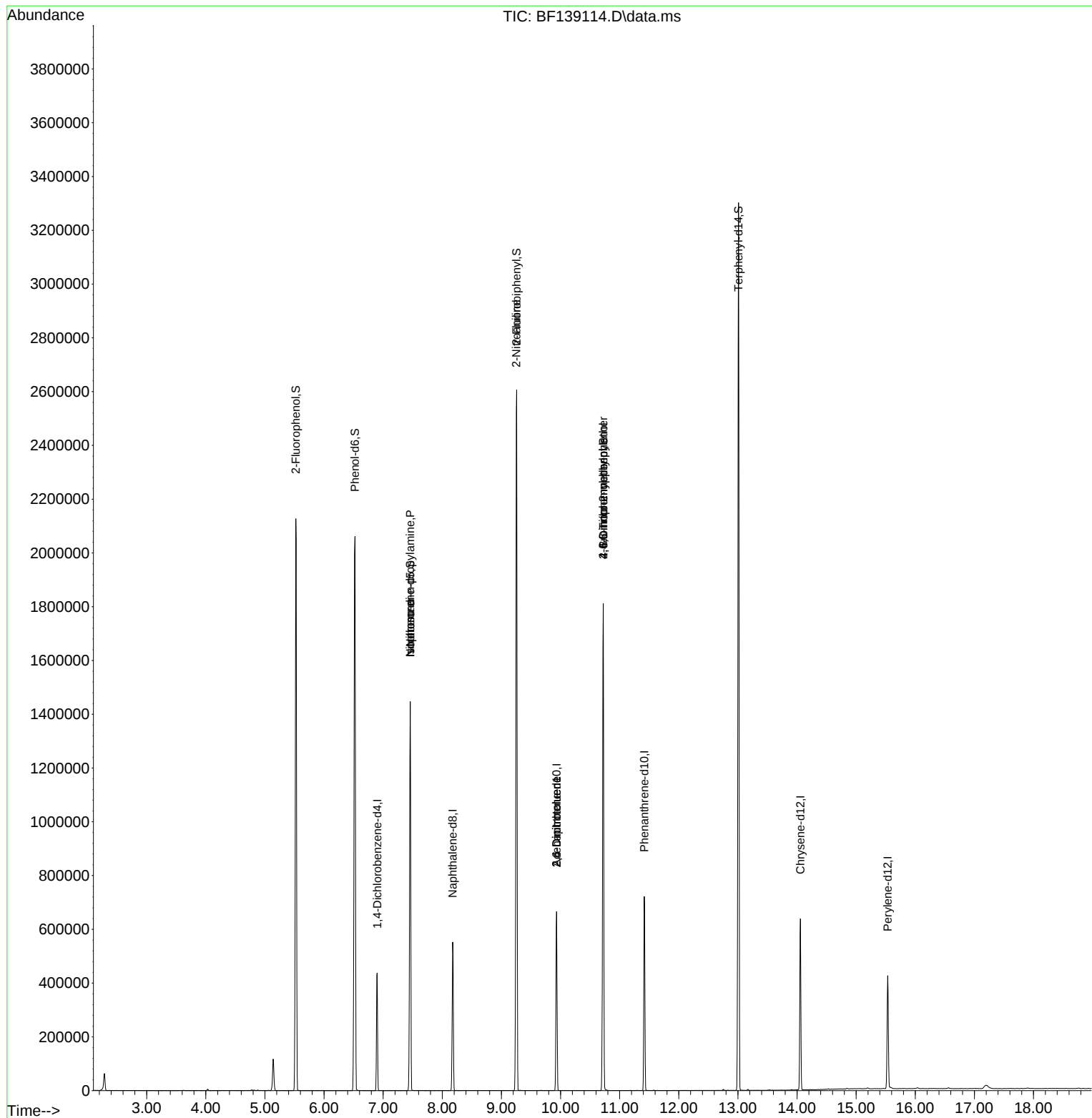
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.898  | 152  | 86825    | 20.000  | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 330923   | 20.000  | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.934  | 164  | 195333   | 20.000  | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 369564   | 20.000  | ng     | 0.00     |
| 76) Chrysene-d12              | 14.057 | 240  | 295723   | 20.000  | ng     | 0.00     |
| 86) Perylene-d12              | 15.533 | 264  | 242965   | 20.000  | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 5) 2-Fluorophenol             | 5.522  | 112  | 776569   | 137.606 | ng     | 0.01     |
| 7) Phenol-d6                  | 6.522  | 99   | 1015457  | 139.256 | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 680712   | 119.862 | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 292609   | 165.473 | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.257  | 172  | 1190349  | 96.687  | ng     | 0.00     |
| 79) Terphenyl-d14             | 13.010 | 244  | 1625588  | 91.211  | ng     | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 19) n-Nitroso-di-n-propyla... | 7.457  | 70   | 95079    | 19.855  | ng     | # 79     |
| 25) Isophorone                | 7.457  | 82   | 680582   | 56.382  | ng     | # 69     |
| 48) 2-Nitroaniline            | 9.251  | 65   | 2319     | 6.314   | ng     | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.934  | 165  | 24882    | 13.836  | ng     | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.934  | 165  | 24882    | 12.803  | ng     | # 17     |
| 65) 4,6-Dinitro-2-methylph... | 10.722 | 198  | 748      | 7.078   | ng     | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.722 | 248  | 20211    | 5.161   | ng     | # 1      |
| -----                         |        |      |          |         |        |          |

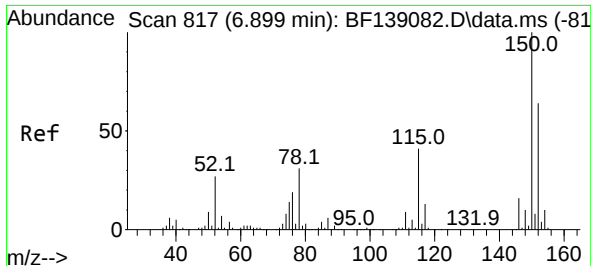
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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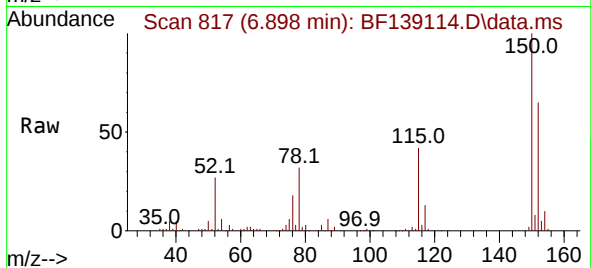
Quant Time: Aug 22 11:25:48 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF082024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 21 01:25:05 2024  
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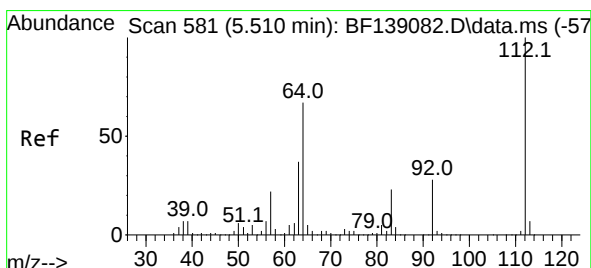
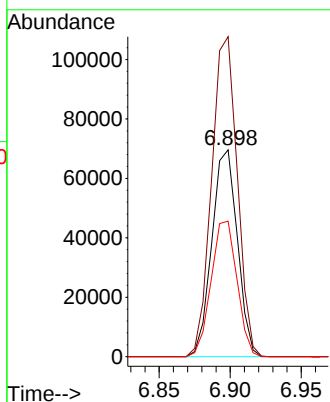
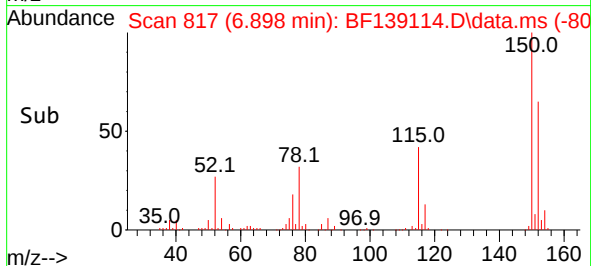


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.898 min Scan# 81  
Delta R.T. -0.001 min  
Lab File: BF139114.D  
Acq: 22 Aug 2024 10:54

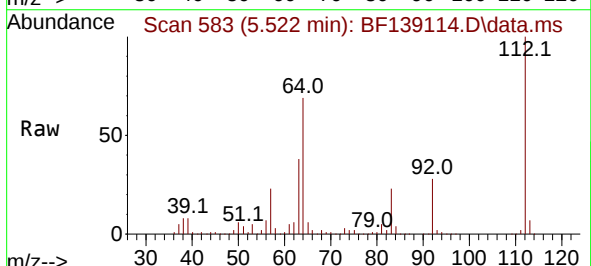
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BNA\_F  
ClientSampleId :  
PB162782BL



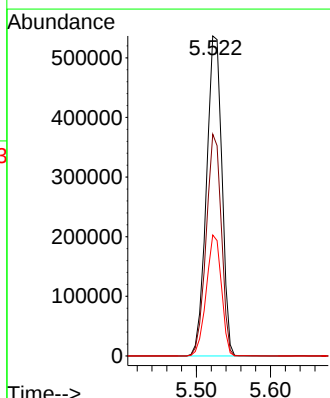
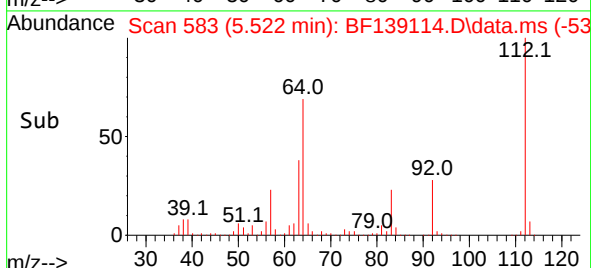
Tgt Ion:152 Resp: 86825  
Ion Ratio Lower Upper  
152 100  
150 154.7 125.1 187.7  
115 65.5 51.8 77.6

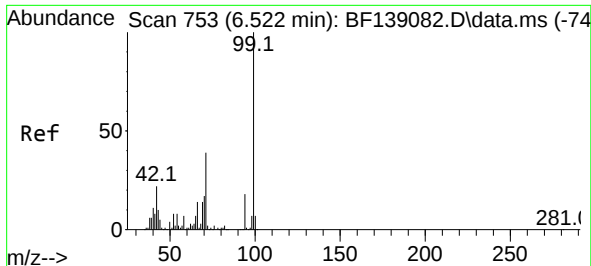


#5  
2-Fluorophenol  
Concen: 137.606 ng  
RT: 5.522 min Scan# 583  
Delta R.T. 0.012 min  
Lab File: BF139114.D  
Acq: 22 Aug 2024 10:54



Tgt Ion:112 Resp: 776569  
Ion Ratio Lower Upper  
112 100  
64 69.3 53.8 80.6  
63 37.8 29.4 44.2

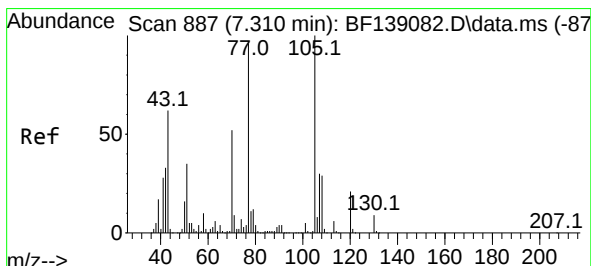
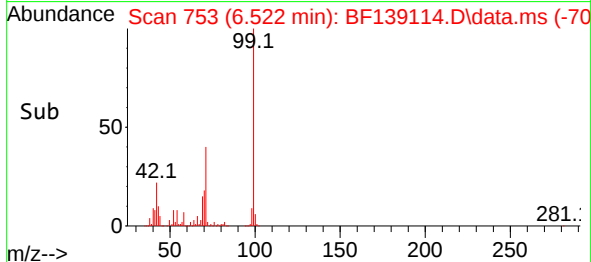
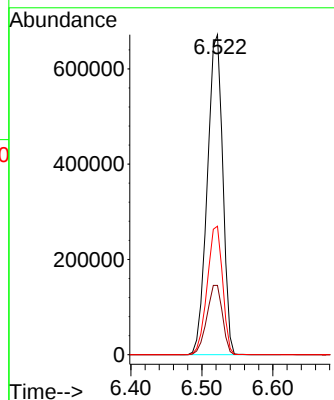
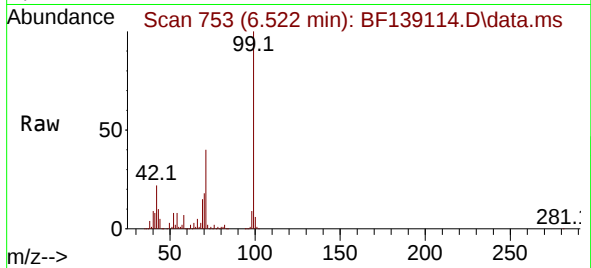




#7  
Phenol-d6  
Concen: 139.256 ng  
RT: 6.522 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF139114.D  
Acq: 22 Aug 2024 10:54

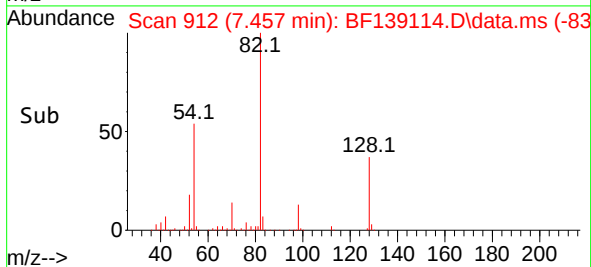
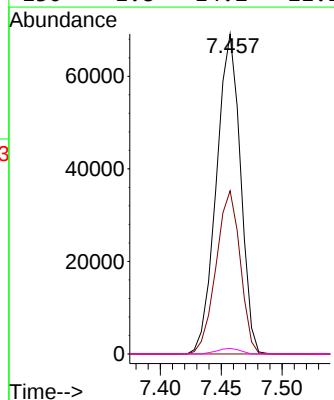
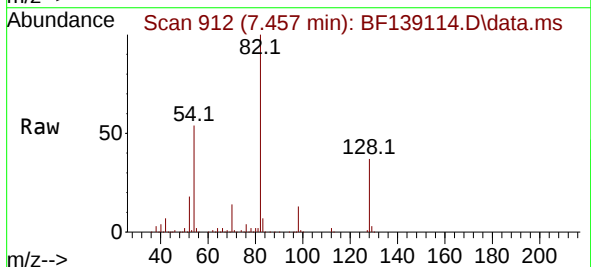
Instrument :  
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ClientSampleId :  
PB162782BL

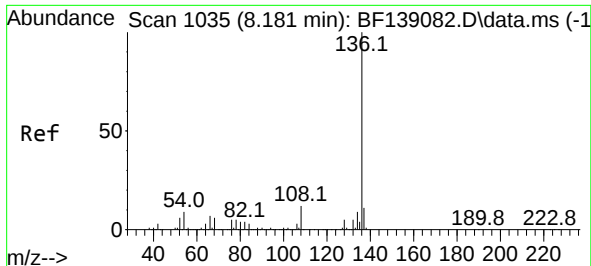
Tgt Ion: 99 Resp: 1015457  
Ion Ratio Lower Upper  
99 100  
42 21.7 17.4 26.2  
71 40.1 31.2 46.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 19.855 ng  
RT: 7.457 min Scan# 912  
Delta R.T. 0.147 min  
Lab File: BF139114.D  
Acq: 22 Aug 2024 10:54

Tgt Ion: 70 Resp: 95079  
Ion Ratio Lower Upper  
70 100  
42 51.0 50.5 75.7  
101 0.0 7.2 10.8#  
130 1.8 14.2 21.2#



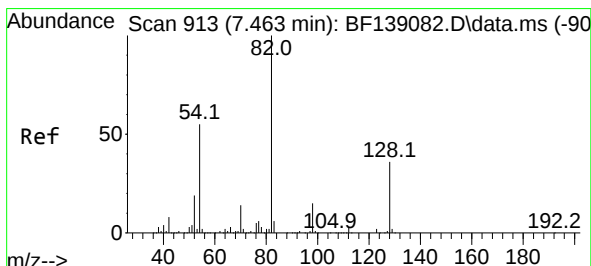
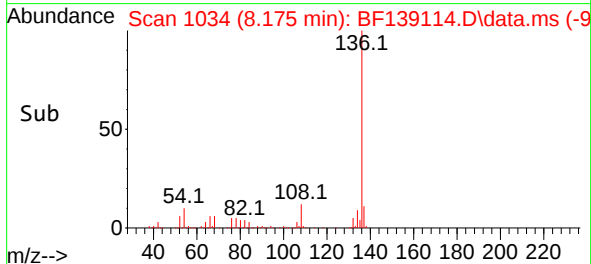
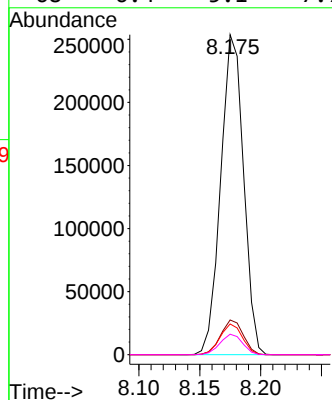
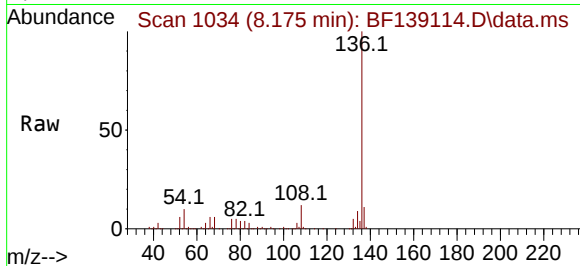


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1034  
Delta R.T. -0.006 min  
Lab File: BF139114.D  
Acq: 22 Aug 2024 10:54

Instrument :  
BNA\_F  
ClientSampleId :  
PB162782BL

Tgt Ion:136 Resp: 330923

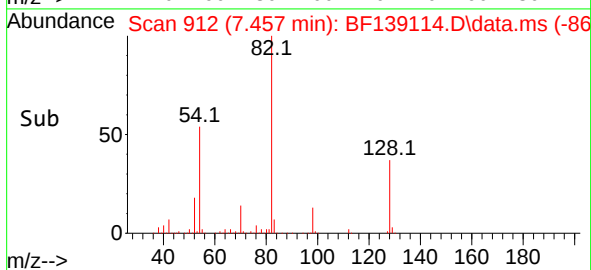
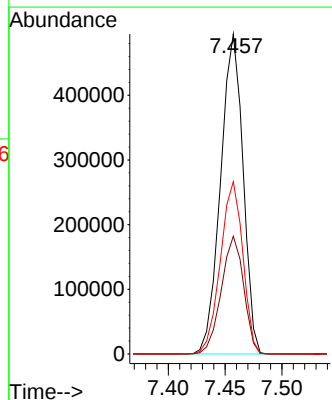
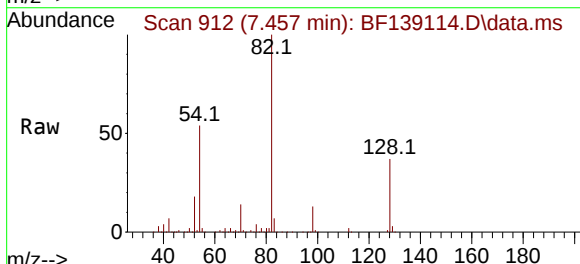
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.7   | 13.1  |
| 54  | 9.6   | 7.6   | 11.4  |
| 68  | 6.4   | 5.1   | 7.7   |

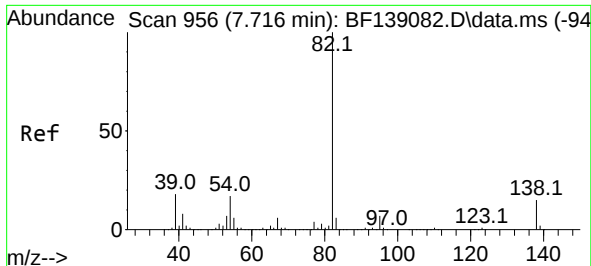


#23  
Nitrobenzene-d5  
Concen: 119.862 ng  
RT: 7.457 min Scan# 912  
Delta R.T. -0.006 min  
Lab File: BF139114.D  
Acq: 22 Aug 2024 10:54

Tgt Ion: 82 Resp: 680712

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 36.8  | 29.0  | 43.4  |
| 54  | 53.8  | 43.4  | 65.2  |

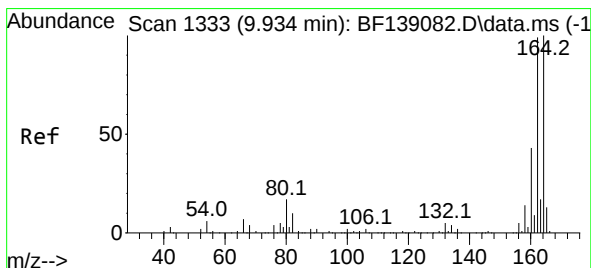
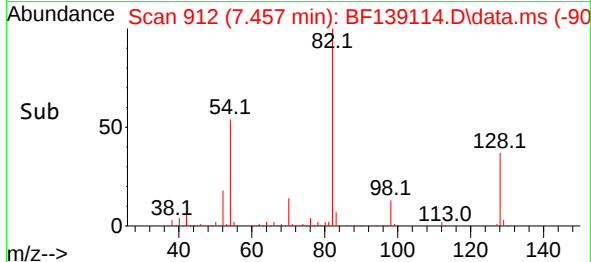
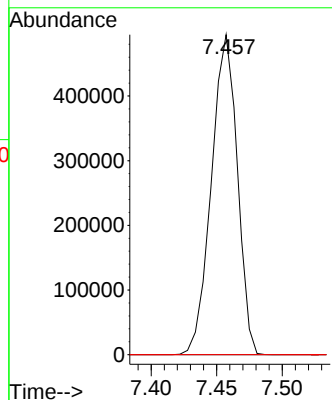
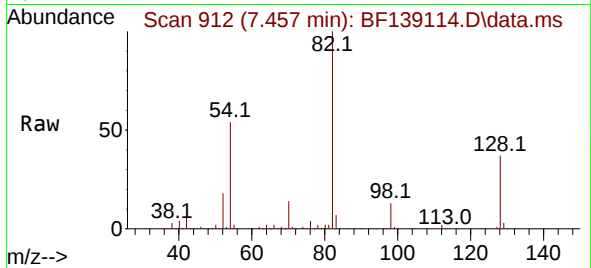




#25  
Isophorone  
Concen: 56.382 ng  
RT: 7.457 min Scan# 912  
Delta R.T. -0.259 min  
Lab File: BF139114.D  
Acq: 22 Aug 2024 10:54

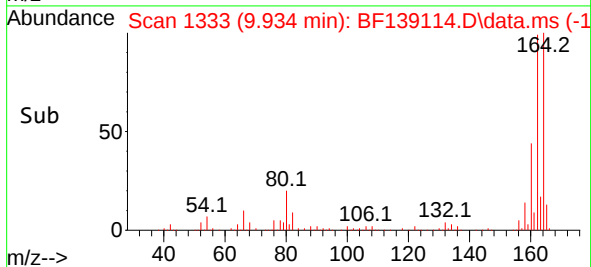
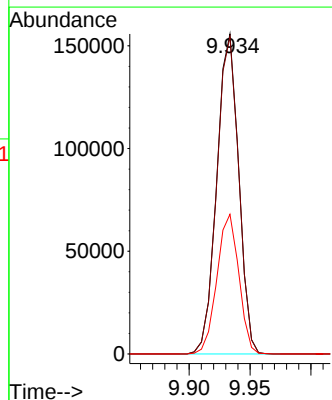
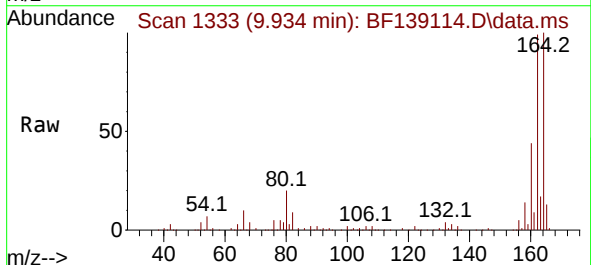
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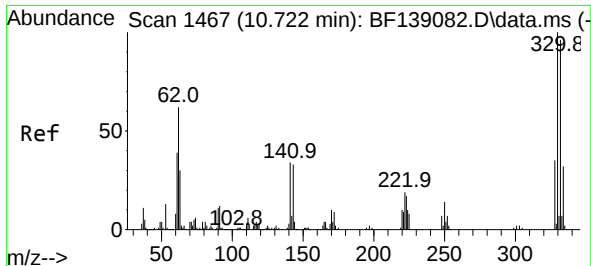
Tgt Ion: 82 Resp: 680582  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 11.8 17.8#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.934 min Scan# 1333  
Delta R.T. -0.000 min  
Lab File: BF139114.D  
Acq: 22 Aug 2024 10:54

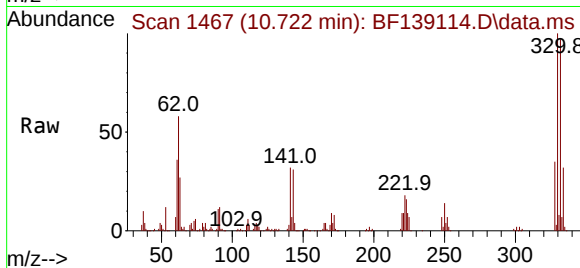
Tgt Ion:164 Resp: 195333  
Ion Ratio Lower Upper  
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162 99.1 79.5 119.3  
160 43.7 34.5 51.7



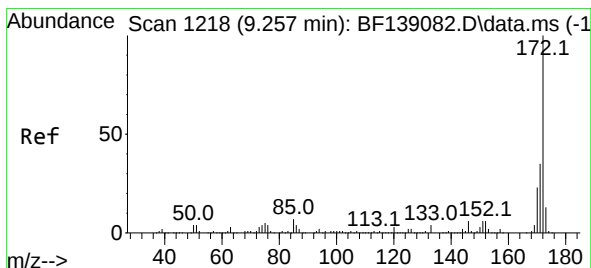
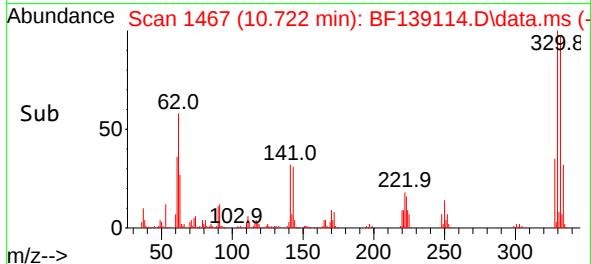
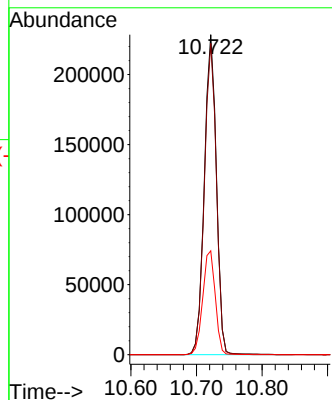


#42  
2,4,6-Tribromophenol  
Concen: 165.473 ng  
RT: 10.722 min Scan# 1467  
Delta R.T. -0.000 min  
Lab File: BF139114.D  
Acq: 22 Aug 2024 10:54

Instrument :  
BNA\_F  
ClientSampleId :  
PB162782BL

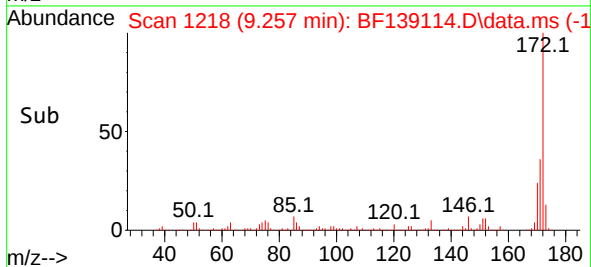
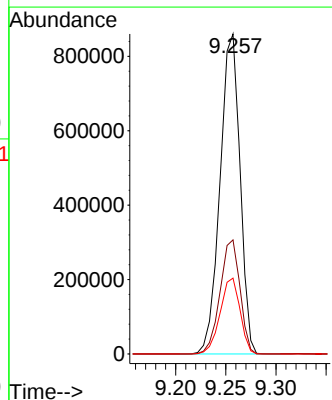
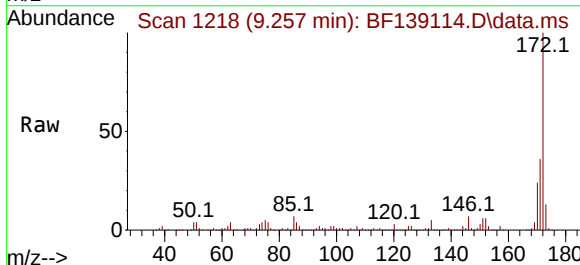


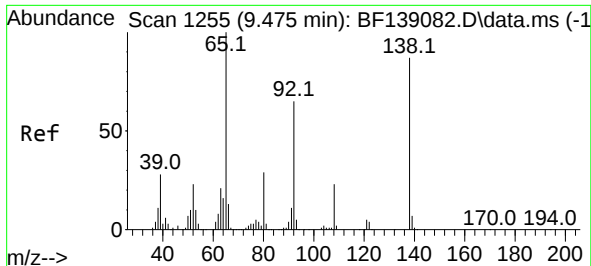
Tgt Ion:330 Resp: 292609  
Ion Ratio Lower Upper  
330 100  
332 97.4 77.0 115.6  
141 33.8 27.5 41.3



#45  
2-Fluorobiphenyl  
Concen: 96.687 ng  
RT: 9.257 min Scan# 1218  
Delta R.T. -0.000 min  
Lab File: BF139114.D  
Acq: 22 Aug 2024 10:54

Tgt Ion:172 Resp: 1190349  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.4 42.6  
170 23.7 18.8 28.2

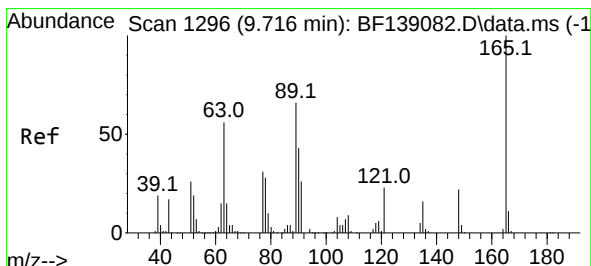
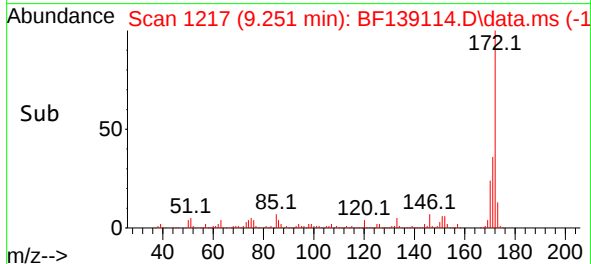
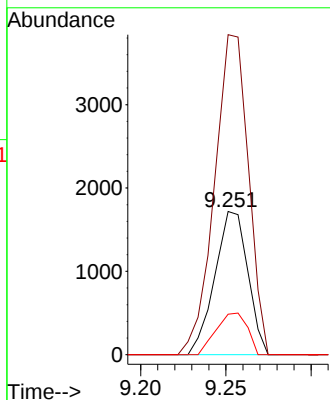
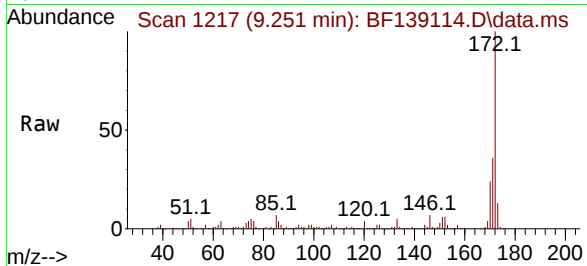




#48  
2-Nitroaniline  
Concen: 6.314 ng  
RT: 9.251 min Scan# 11  
Delta R.T. -0.224 min  
Lab File: BF139114.D  
Acq: 22 Aug 2024 10:54

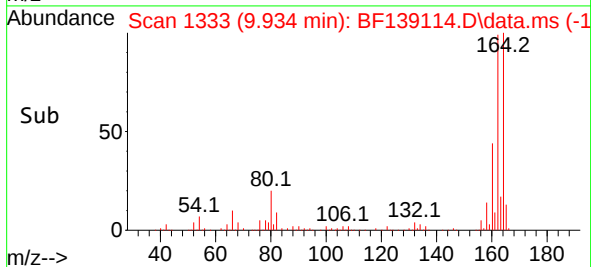
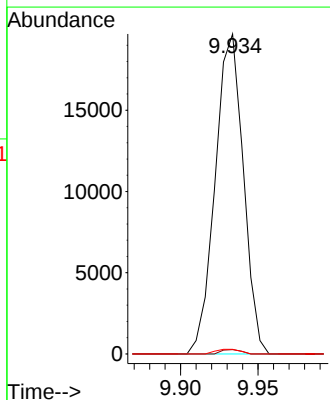
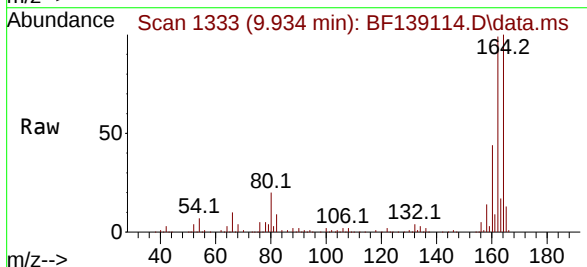
Instrument :  
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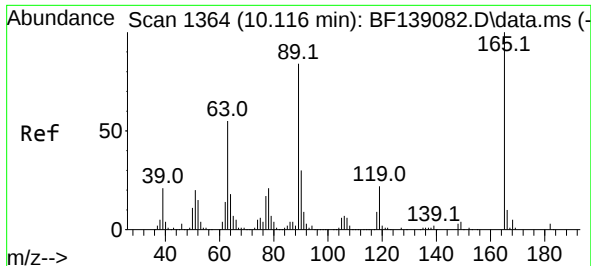
Tgt Ion: 65 Resp: 2319  
Ion Ratio Lower Upper  
65 100  
92 223.4 52.4 78.6#  
138 28.3 69.4 104.0#



#51  
2,6-Dinitrotoluene  
Concen: 13.836 ng  
RT: 9.934 min Scan# 1333  
Delta R.T. 0.218 min  
Lab File: BF139114.D  
Acq: 22 Aug 2024 10:54

Tgt Ion: 165 Resp: 24882  
Ion Ratio Lower Upper  
165 100  
63 1.3 58.0 87.0#  
89 1.4 53.3 79.9#

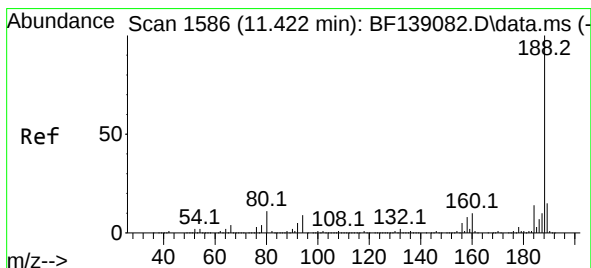
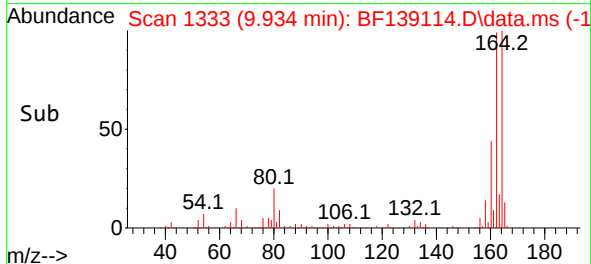
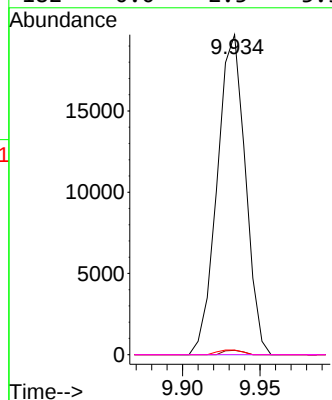
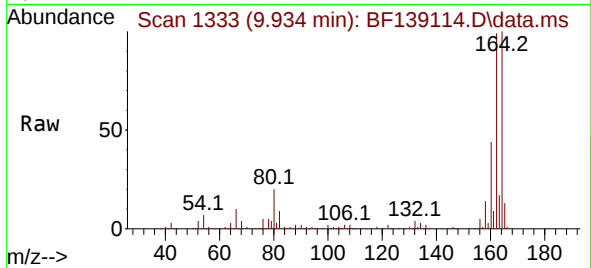




#57  
2,4-Dinitrotoluene  
Concen: 12.803 ng  
RT: 9.934 min Scan# 11  
Delta R.T. -0.182 min  
Lab File: BF139114.D  
Acq: 22 Aug 2024 10:54

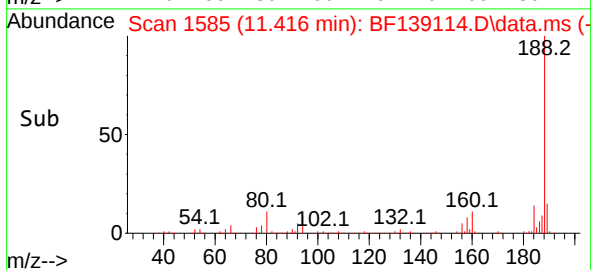
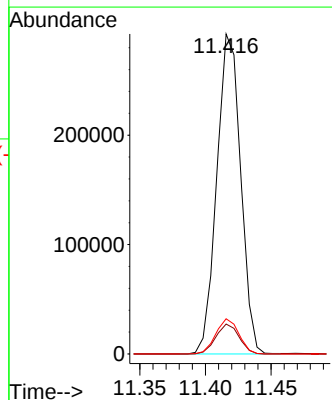
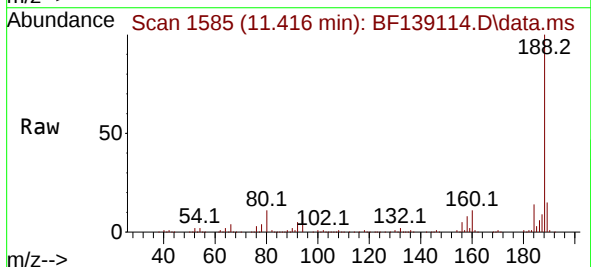
Instrument :  
BNA\_F  
ClientSampleId :  
PB162782BL

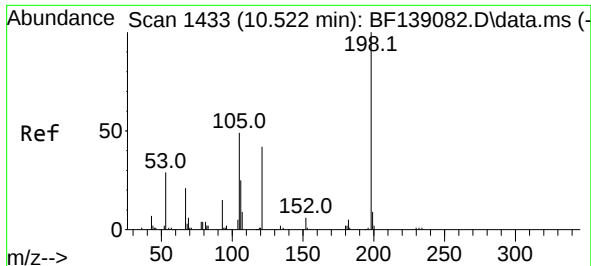
Tgt Ion:165 Resp: 24882  
Ion Ratio Lower Upper  
165 100  
63 1.3 44.2 66.4#  
89 1.4 67.4 101.2#  
182 0.0 2.3 3.5#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 1585  
Delta R.T. -0.006 min  
Lab File: BF139114.D  
Acq: 22 Aug 2024 10:54

Tgt Ion:188 Resp: 369564  
Ion Ratio Lower Upper  
188 100  
94 9.4 7.2 10.8  
80 11.0 8.5 12.7

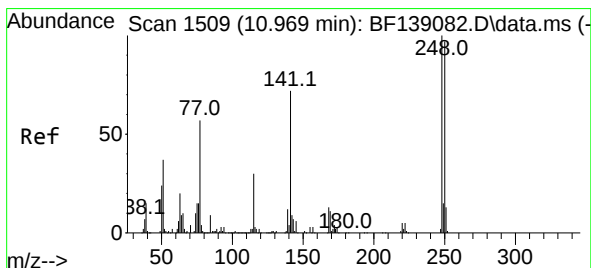
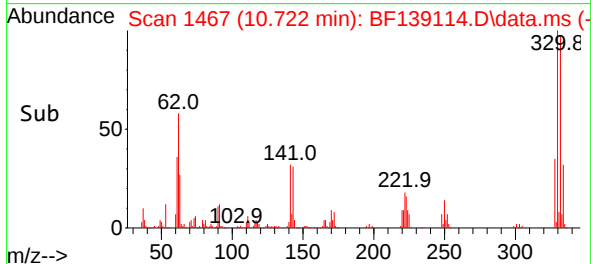
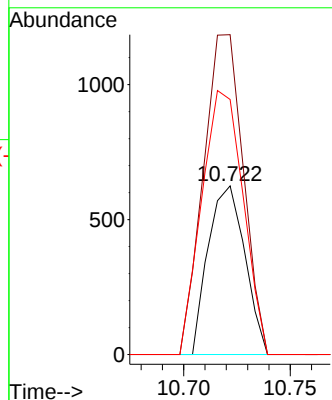
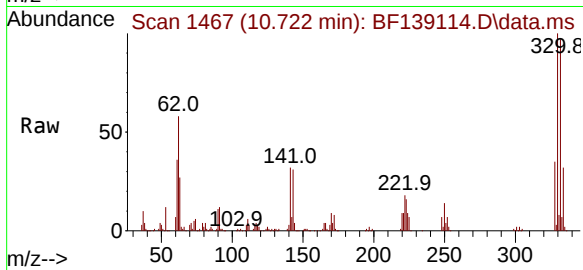




#65  
4,6-Dinitro-2-methylphenol  
Concen: 7.078 ng  
RT: 10.722 min Scan# 1467  
Delta R.T. 0.200 min  
Lab File: BF139114.D  
Acq: 22 Aug 2024 10:54

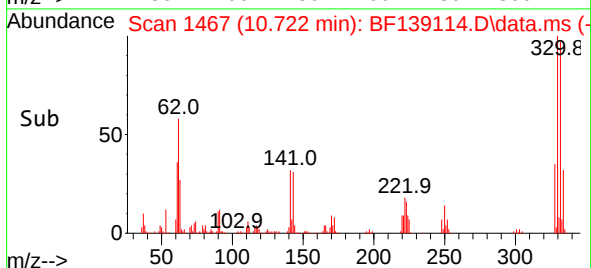
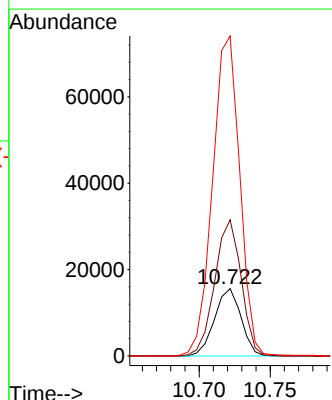
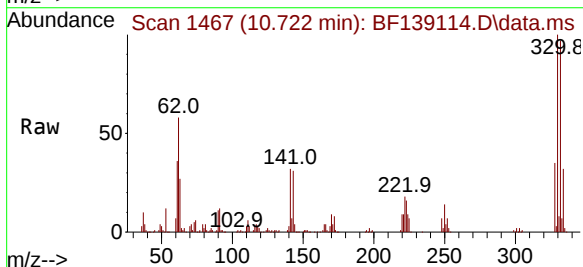
Instrument :  
BNA\_F  
ClientSampleId :  
PB162782BL

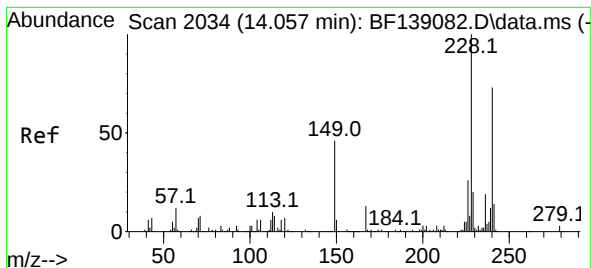
Tgt Ion:198 Resp: 748  
Ion Ratio Lower Upper  
198 100  
51 189.6 40.8 80.8#  
105 151.2 30.9 70.9#



#67  
4-Bromophenyl-phenylether  
Concen: 5.161 ng  
RT: 10.722 min Scan# 1467  
Delta R.T. -0.247 min  
Lab File: BF139114.D  
Acq: 22 Aug 2024 10:54

Tgt Ion:248 Resp: 20211  
Ion Ratio Lower Upper  
248 100  
250 202.3 77.8 116.8#  
141 475.2 57.9 86.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139114.D

Acq: 22 Aug 2024 10:54

Instrument :

BNA\_F

ClientSampleId :

PB162782BL

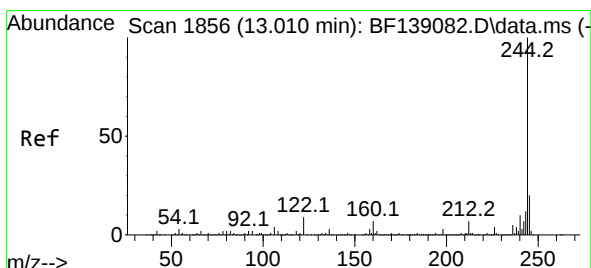
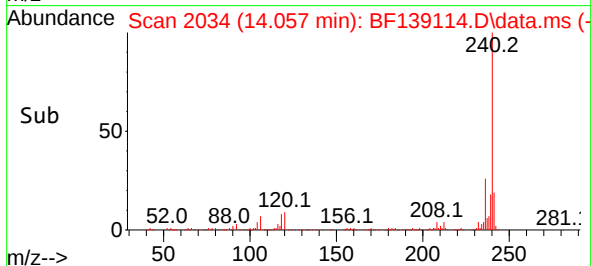
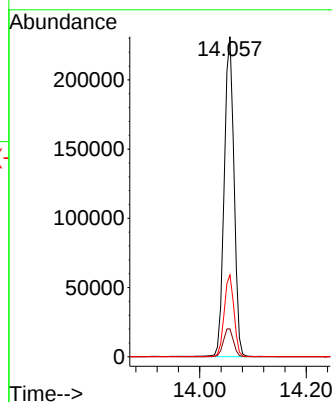
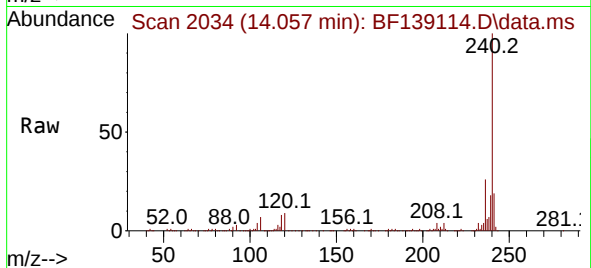
Tgt Ion:240 Resp: 295723

Ion Ratio Lower Upper

240 100

120 8.7 7.8 11.6

236 25.5 20.9 31.3



#79

Terphenyl-d14

Concen: 91.211 ng

RT: 13.010 min Scan# 1856

Delta R.T. -0.000 min

Lab File: BF139114.D

Acq: 22 Aug 2024 10:54

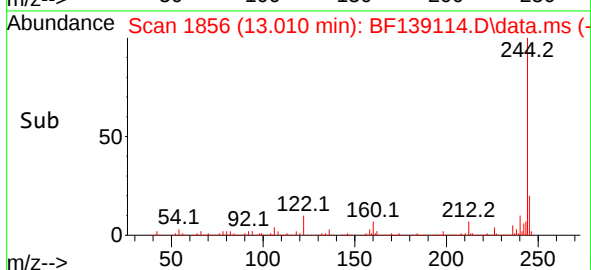
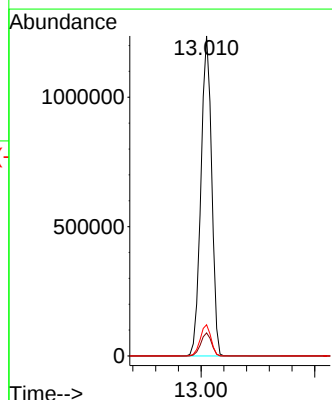
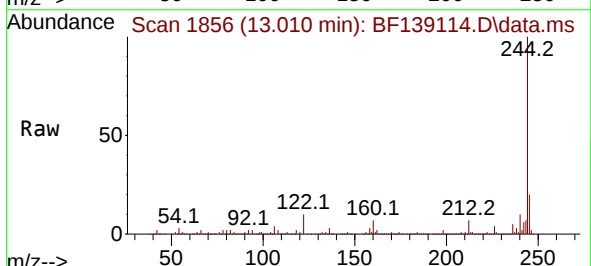
Tgt Ion:244 Resp: 1625588

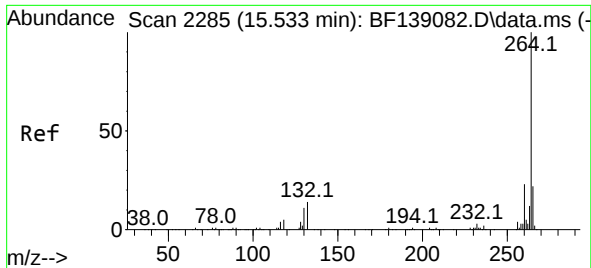
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

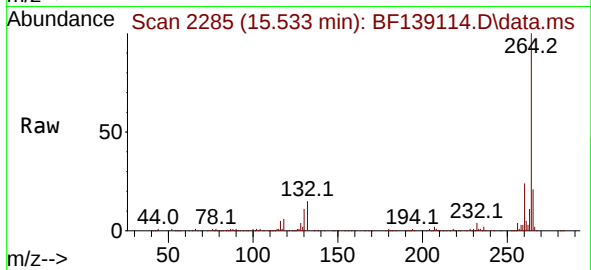
122 9.7 7.6 11.4





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.533 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: BF139114.D  
 Acq: 22 Aug 2024 10:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB162782BL



Tgt Ion:264 Resp: 242965

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 18.6  | 27.8  |
| 265 | 21.2  | 17.4  | 26.2  |

