

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF090921\  
 Data File : BF125407.D  
 Acq On : 9 Sep 2021 11:08  
 Operator : JU/CG  
 Sample : M3646-13DL 2X  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1992DL

Quant Time: Sep 09 11:37:14 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF081821.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 08 14:14:01 2021  
 Response via : Initial Calibration

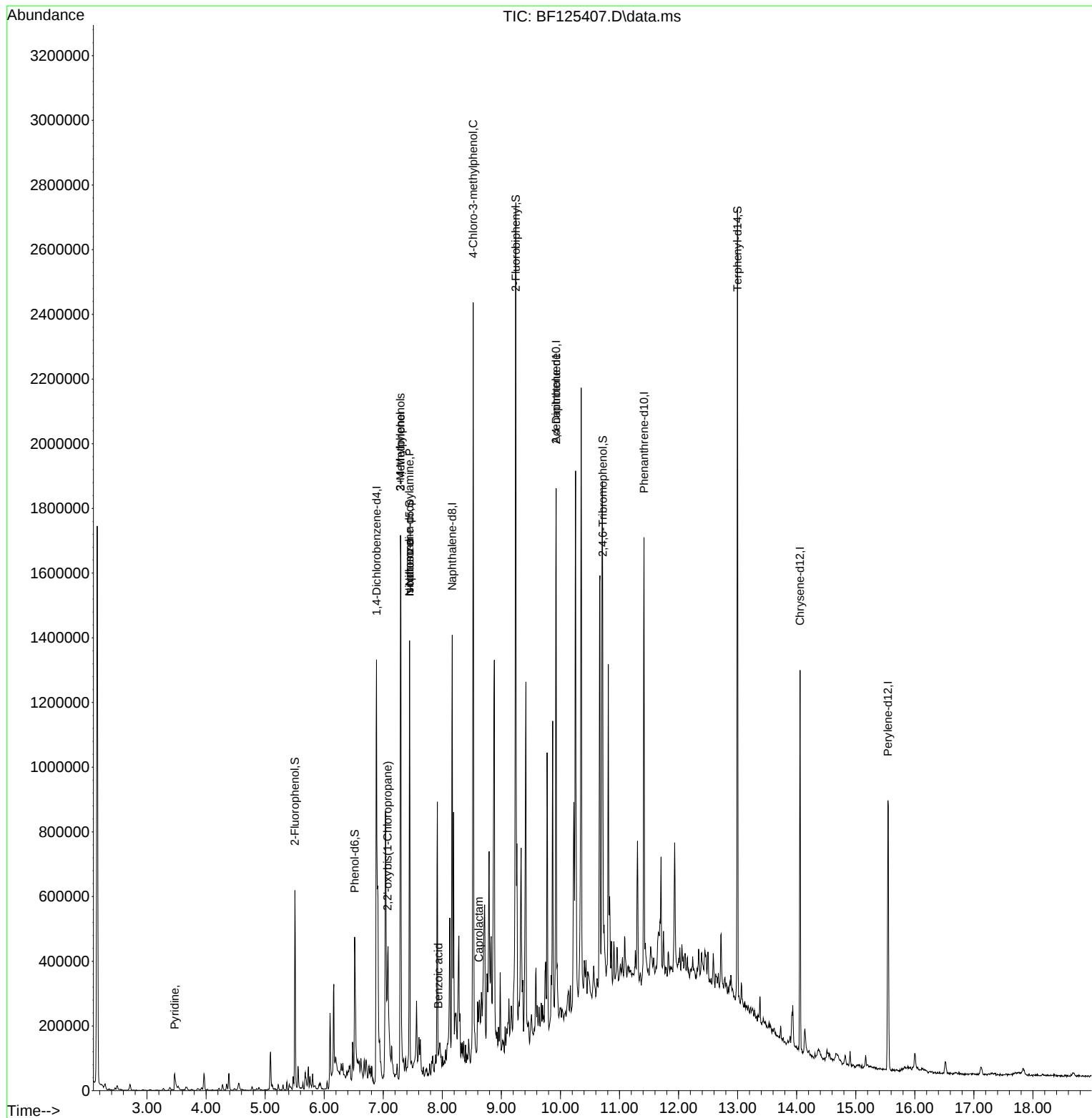
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.886  | 152  | 137098   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 550853   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.927  | 164  | 279795   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 499030   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.057 | 240  | 394608   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.545 | 264  | 387114   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 156998   | 17.333  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.516  | 99   | 127977   | 10.925  | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 379704   | 34.702  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 115781   | 41.454  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 694450   | 34.592  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 782829   | 31.604  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 3) Pyridine                   | 3.469  | 79   | 34025    | 2.884   | ng    | # 91     |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075  | 45   | 112591   | 5.811   | ng    | 75       |
| 17) 2-Methylphenol            | 7.292  | 107  | 438647   | 56.512  | ng    | # 73     |
| 19) n-Nitroso-di-n-propyla... | 7.445  | 70   | 50986    | 7.236   | ng    | # 57     |
| 20) 3+4-Methylphenols         | 7.292  | 107  | 438647   | 45.020  | ng    | # 74     |
| 25) Isophorone                | 7.445  | 82   | 376095   | 17.818  | ng    | # 59     |
| 32) Benzoic acid              | 7.933  | 122  | 13295    | 2.350   | ng    | # 42     |
| 35) Caprolactam               | 8.622  | 113  | 24265    | 11.022  | ng    | # 30     |
| 36) 4-Chloro-3-methylphenol   | 8.522  | 107  | 1053116  | 121.367 | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.927  | 165  | 38206    | 7.508   | ng    | # 25     |
| -----                         |        |      |          |         |       |          |

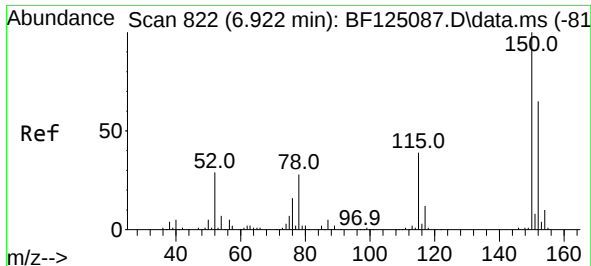
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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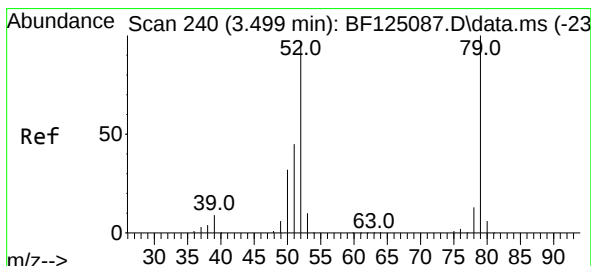
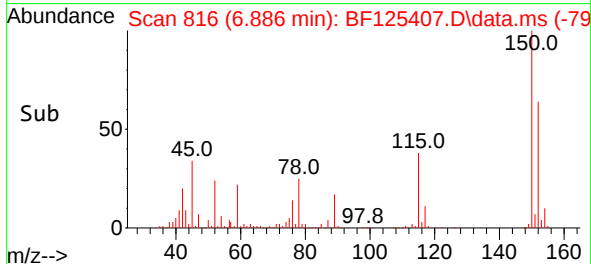
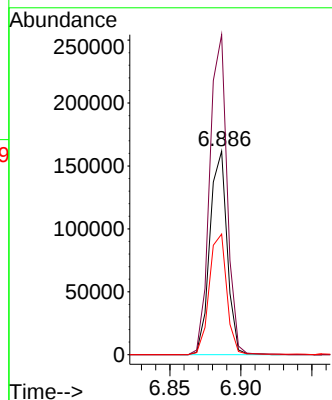
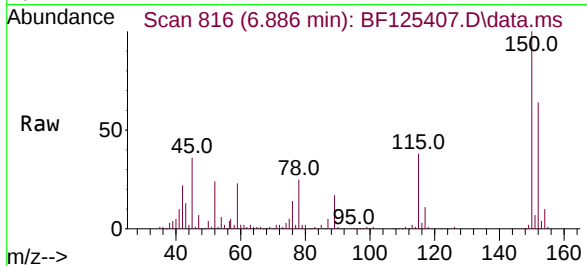




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.886 min Scan# 816  
Delta R.T. 0.000 min  
Lab File: BF125407.D  
Acq: 9 Sep 2021 11:08

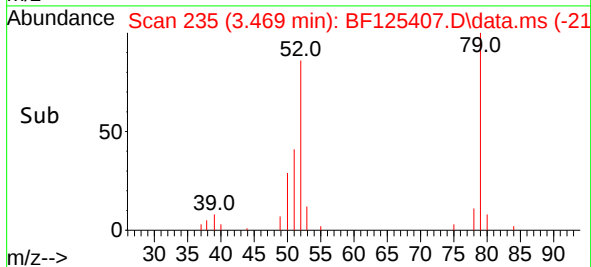
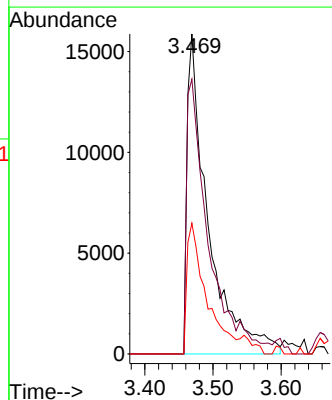
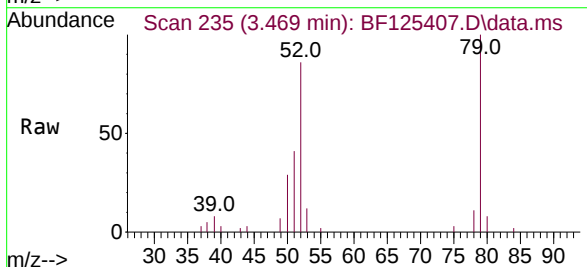
Instrument :  
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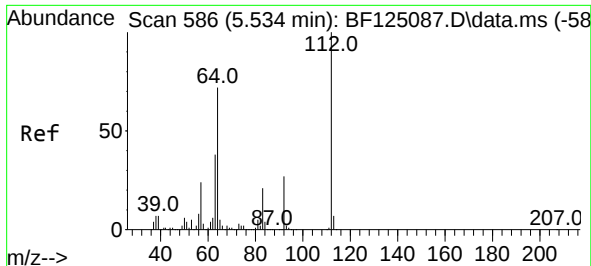
Tgt Ion:152 Resp: 137098  
Ion Ratio Lower Upper  
152 100  
150 157.2 117.6 176.4  
115 59.2 47.1 70.7



#3  
Pyridine  
Concen: 2.884 ng  
RT: 3.469 min Scan# 235  
Delta R.T. 0.029 min  
Lab File: BF125407.D  
Acq: 9 Sep 2021 11:08

Tgt Ion: 79 Resp: 34025  
Ion Ratio Lower Upper  
79 100  
52 85.8 70.3 105.5  
51 40.8 44.1 66.1#

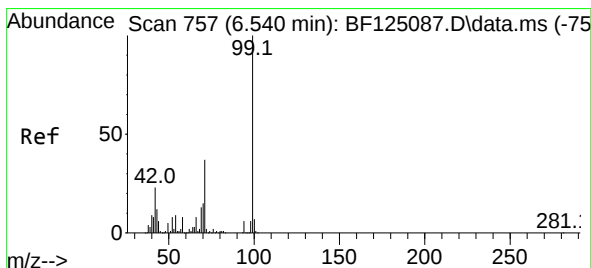
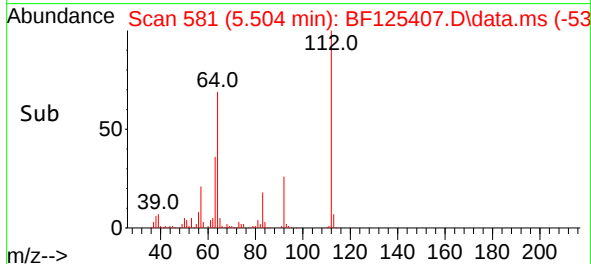
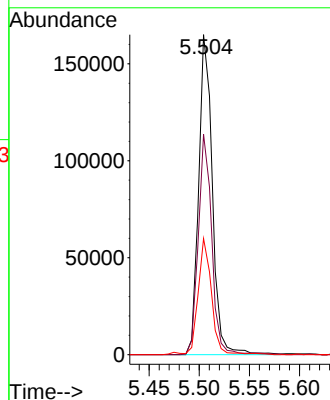
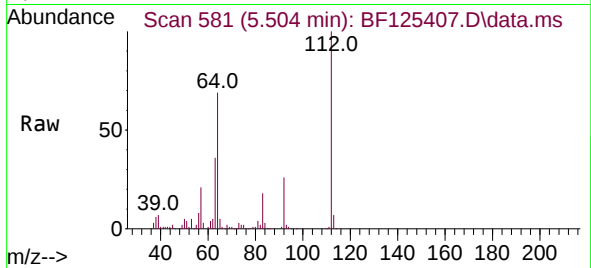




#5  
2-Fluorophenol  
Concen: 17.333 ng  
RT: 5.504 min Scan# 581  
Delta R.T. -0.006 min  
Lab File: BF125407.D  
Acq: 9 Sep 2021 11:08

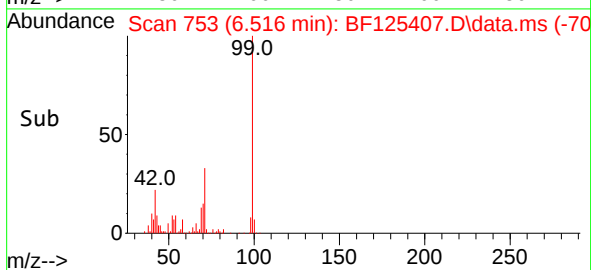
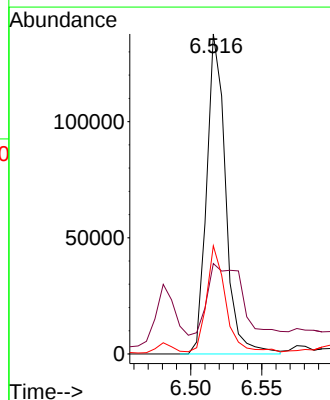
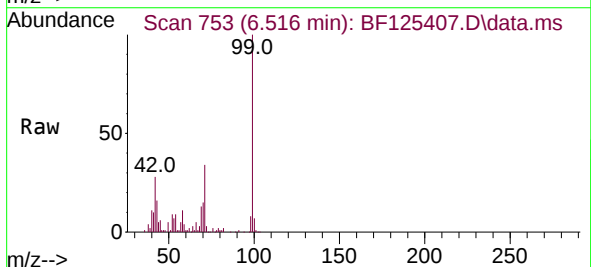
Instrument :  
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ClientSampleId :  
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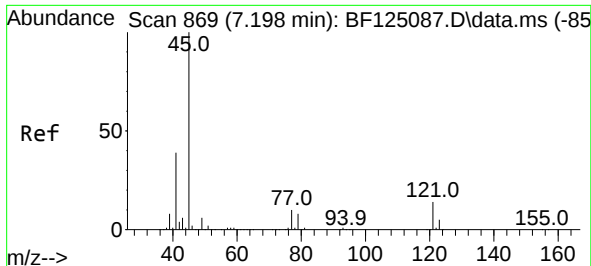
Tgt Ion:112 Resp: 156998  
Ion Ratio Lower Upper  
112 100  
64 68.9 44.2 66.2#  
63 36.3 26.2 39.2



#7  
Phenol-d6  
Concen: 10.925 ng  
RT: 6.516 min Scan# 753  
Delta R.T. -0.012 min  
Lab File: BF125407.D  
Acq: 9 Sep 2021 11:08

Tgt Ion: 99 Resp: 127977  
Ion Ratio Lower Upper  
99 100  
42 28.3 23.5 35.3  
71 33.8 25.6 38.4

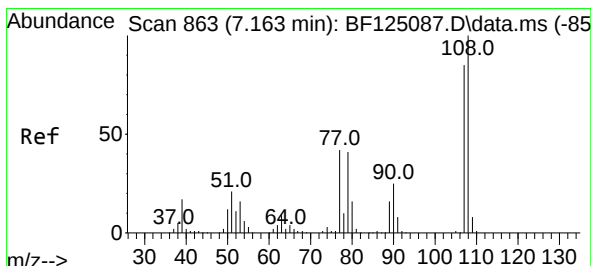
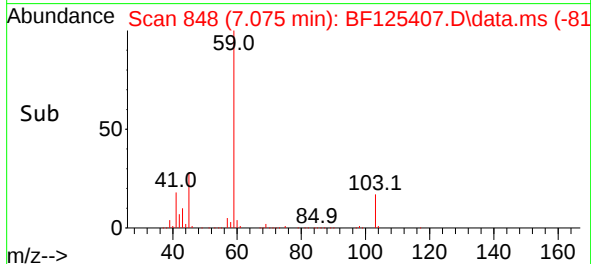
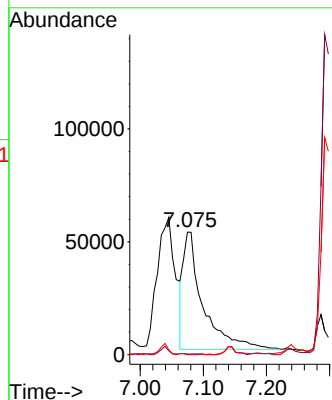
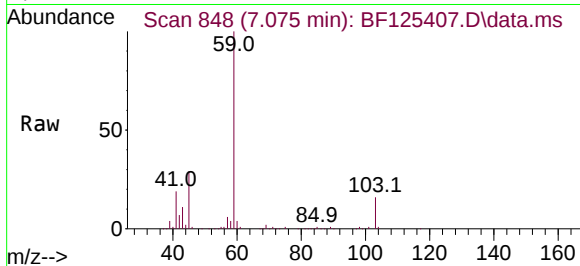




#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 5.811 ng  
RT: 7.075 min Scan# 848  
Delta R.T. -0.088 min  
Lab File: BF125407.D  
Acq: 9 Sep 2021 11:08

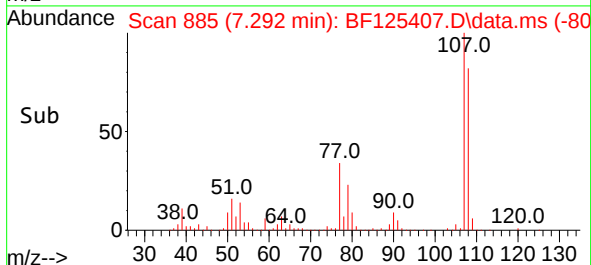
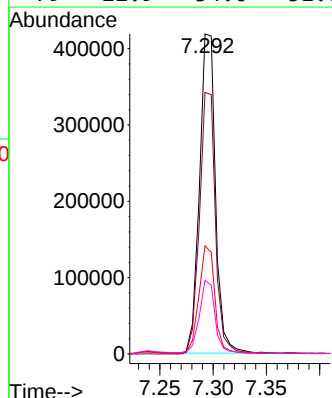
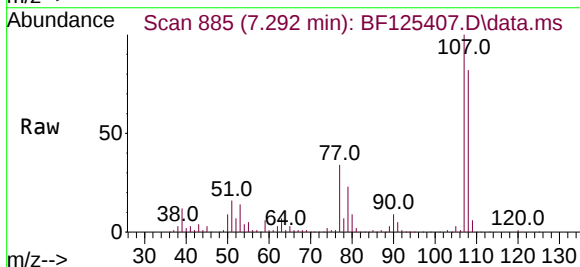
Instrument :  
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ClientSampled :  
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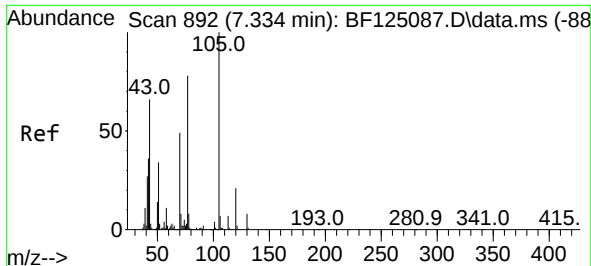
Tgt Ion: 45 Resp: 112591  
Ion Ratio Lower Upper  
45 100  
77 0.0 0.0 30.6  
79 0.7 0.0 27.5



#17  
2-Methylphenol  
Concen: 56.512 ng  
RT: 7.292 min Scan# 885  
Delta R.T. 0.147 min  
Lab File: BF125407.D  
Acq: 9 Sep 2021 11:08

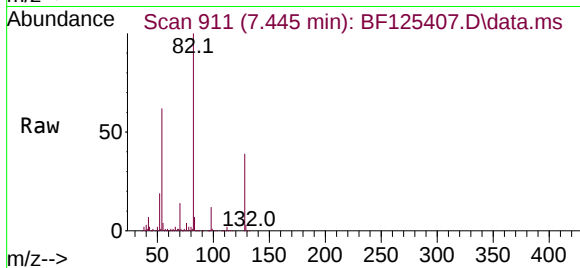
Tgt Ion: 107 Resp: 438647  
Ion Ratio Lower Upper  
107 100  
108 81.7 90.6 135.8#  
77 33.8 35.7 53.5#  
79 22.9 34.0 51.0#



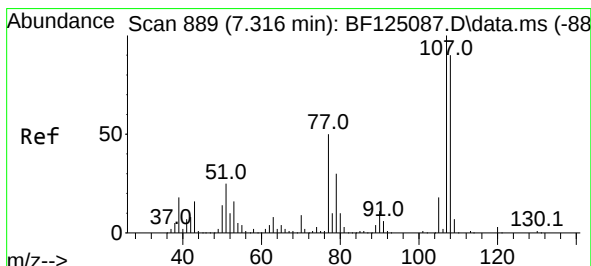
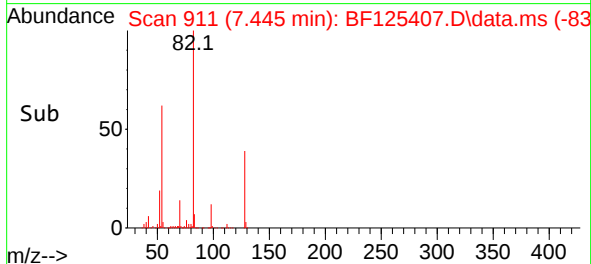
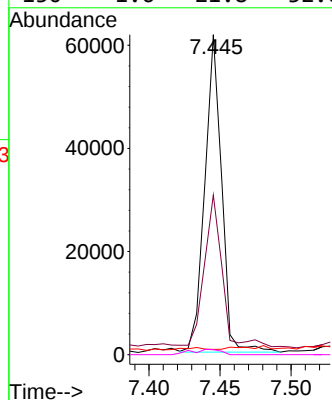


#19  
n-Nitroso-di-n-propylamine  
Concen: 7.236 ng  
RT: 7.445 min Scan# 911  
Delta R.T. 0.141 min  
Lab File: BF125407.D  
Acq: 9 Sep 2021 11:08

Instrument :  
BNA\_F  
ClientSampleId :  
1992DL

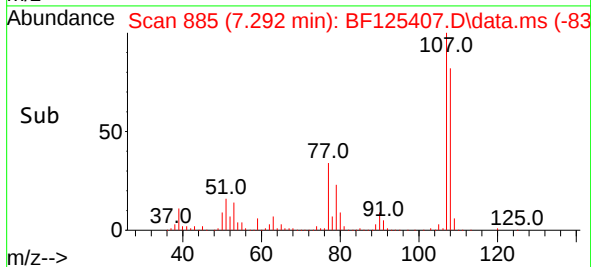
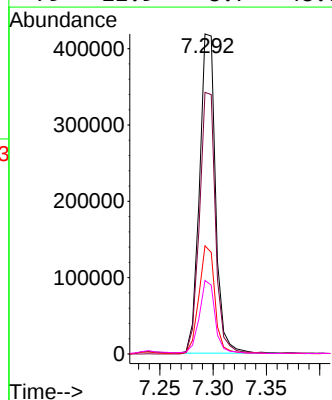
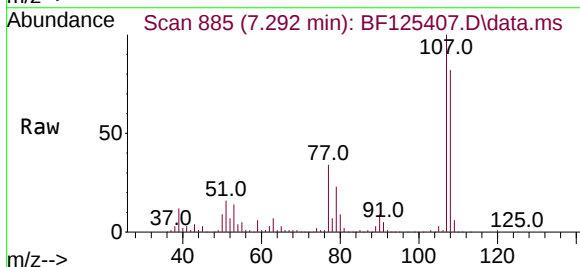


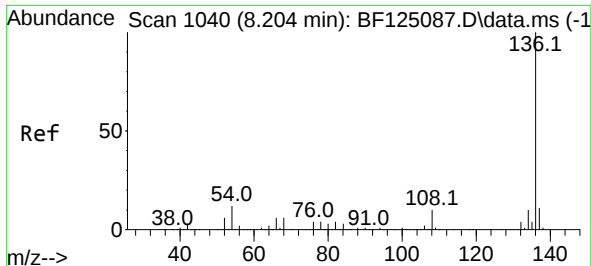
Tgt Ion: 70 Resp: 50986  
Ion Ratio Lower Upper  
70 100  
42 49.9 72.2 108.2#  
101 1.6 7.8 11.8#  
130 1.6 21.8 32.6#



#20  
3+4-Methylphenols  
Concen: 45.020 ng  
RT: 7.292 min Scan# 885  
Delta R.T. -0.006 min  
Lab File: BF125407.D  
Acq: 9 Sep 2021 11:08

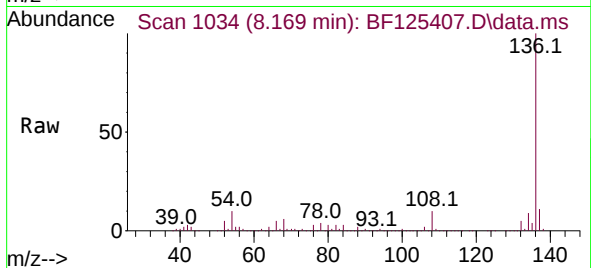
Tgt Ion: 107 Resp: 438647  
Ion Ratio Lower Upper  
107 100  
108 81.7 76.6 116.6  
77 33.8 53.3 93.3#  
79 22.9 8.7 48.7



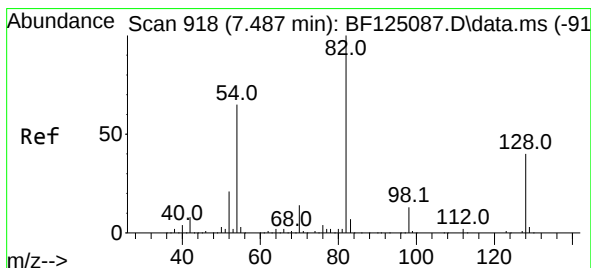
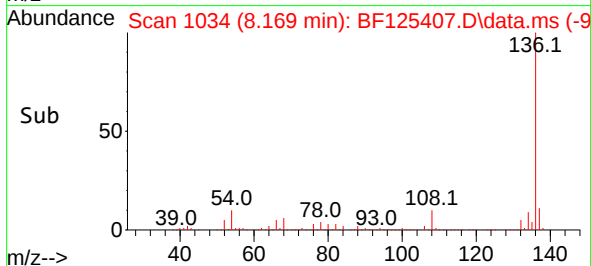
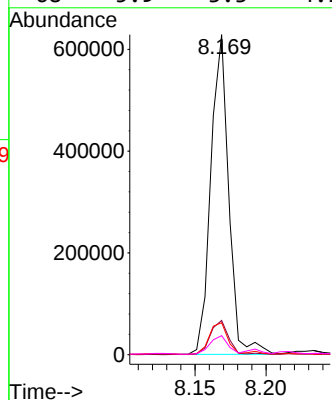


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1034  
Delta R.T. -0.006 min  
Lab File: BF125407.D  
Acq: 9 Sep 2021 11:08

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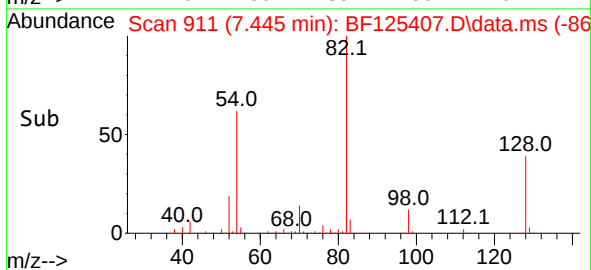
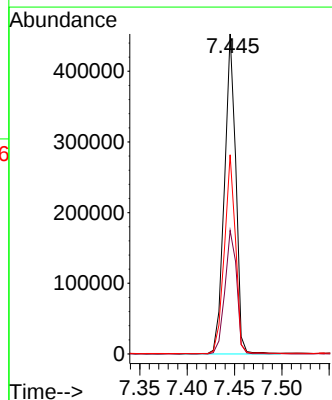
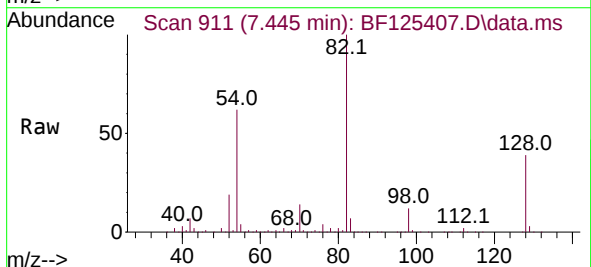


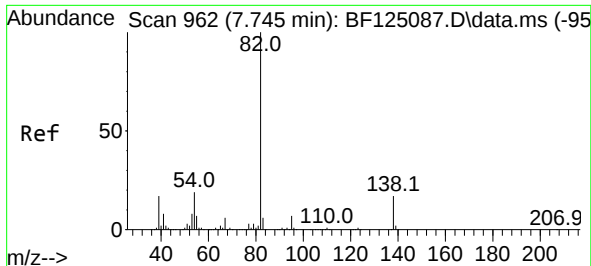
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136 100  
137 10.7 9.8 14.6  
54 10.0 6.4 9.6#  
68 5.9 3.3 4.9#



#23  
Nitrobenzene-d5  
Concen: 34.702 ng  
RT: 7.445 min Scan# 911  
Delta R.T. -0.012 min  
Lab File: BF125407.D  
Acq: 9 Sep 2021 11:08

Tgt Ion: 82 Resp: 379704  
Ion Ratio Lower Upper  
82 100  
128 38.6 40.6 60.8#  
54 62.3 49.6 74.4

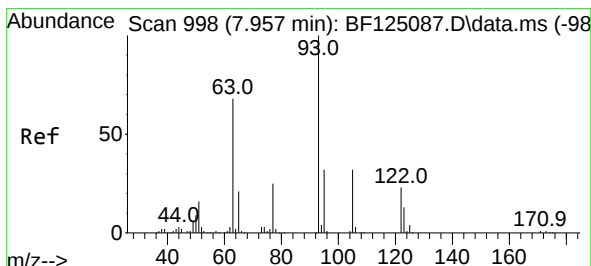
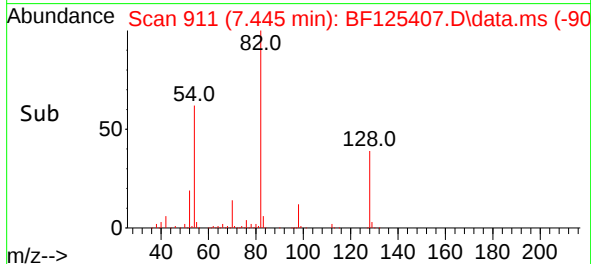
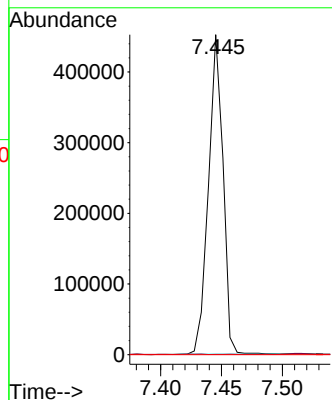
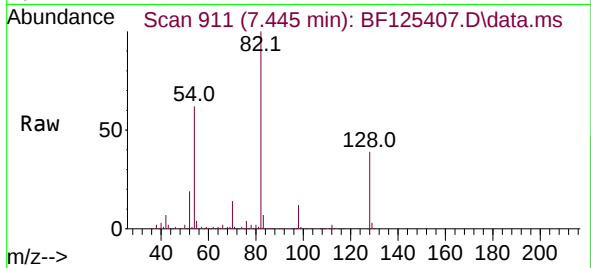




#25  
Isophorone  
Concen: 17.818 ng  
RT: 7.445 min Scan# 911  
Delta R.T. -0.265 min  
Lab File: BF125407.D  
Acq: 9 Sep 2021 11:08

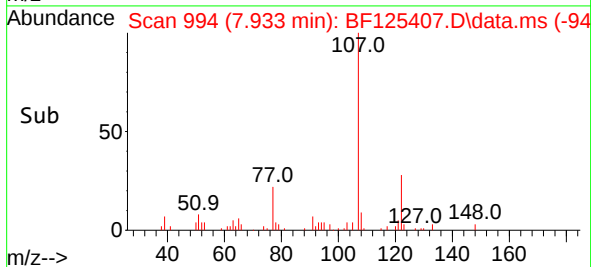
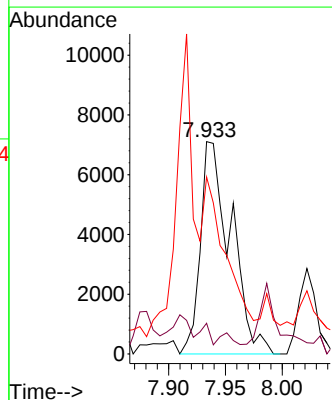
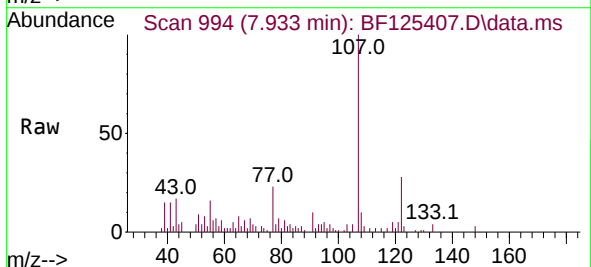
Instrument :  
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ClientSampleId :  
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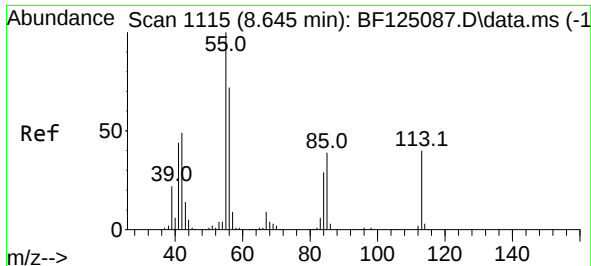
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Ion Ratio Lower Upper  
82 100  
95 0.1 6.5 9.7#  
138 0.0 18.4 27.6#



#32  
Benzoic acid  
Concen: 2.350 ng  
RT: 7.933 min Scan# 994  
Delta R.T. -0.018 min  
Lab File: BF125407.D  
Acq: 9 Sep 2021 11:08

Tgt Ion: 122 Resp: 13295  
Ion Ratio Lower Upper  
122 100  
105 14.5 97.6 137.6#  
77 83.3 59.6 99.6

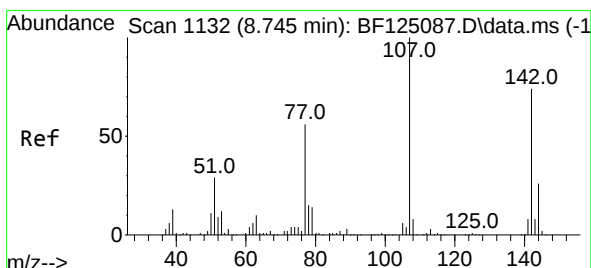
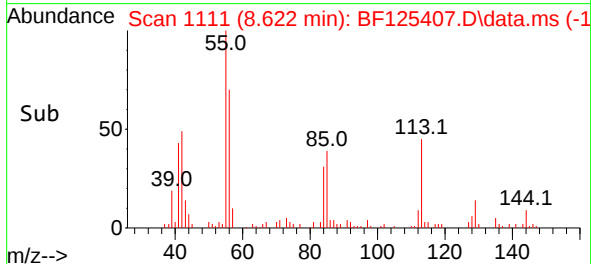
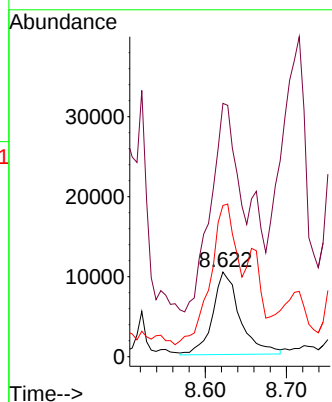
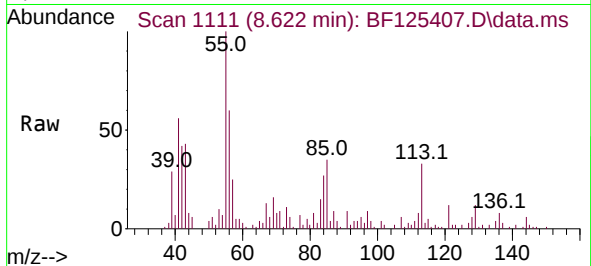




#35  
Caprolactam  
Concen: 11.022 ng  
RT: 8.622 min Scan# 1111  
Delta R.T. -0.006 min  
Lab File: BF125407.D  
Acq: 9 Sep 2021 11:08

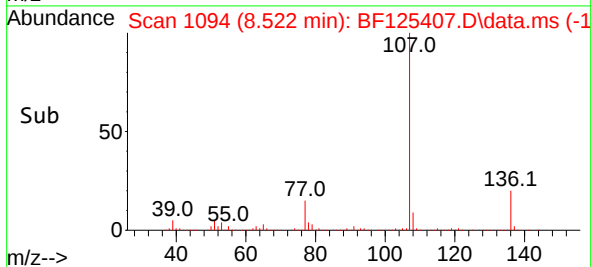
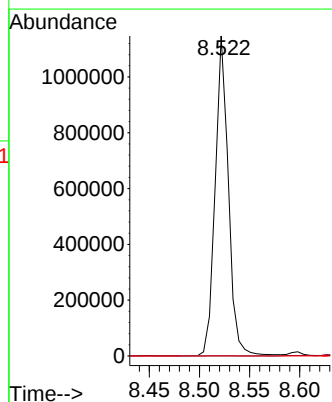
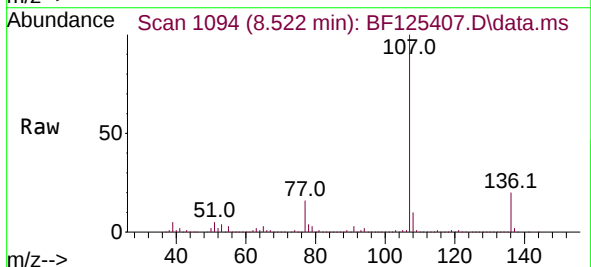
Instrument :  
BNA\_F  
ClientSampleId :  
1992DL

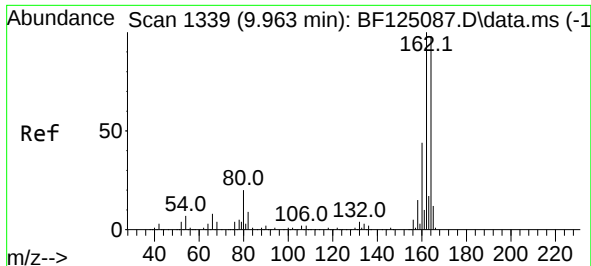
Tgt Ion:113 Resp: 24265  
Ion Ratio Lower Upper  
113 100  
55 299.1 154.1 194.1#  
56 178.6 108.7 148.7#



#36  
4-Chloro-3-methylphenol  
Concen: 121.367 ng  
RT: 8.522 min Scan# 1094  
Delta R.T. -0.206 min  
Lab File: BF125407.D  
Acq: 9 Sep 2021 11:08

Tgt Ion:107 Resp: 1053116  
Ion Ratio Lower Upper  
107 100  
144 0.1 21.9 32.9#  
142 0.0 67.1 100.7#

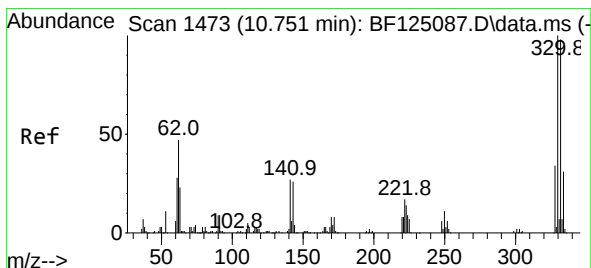
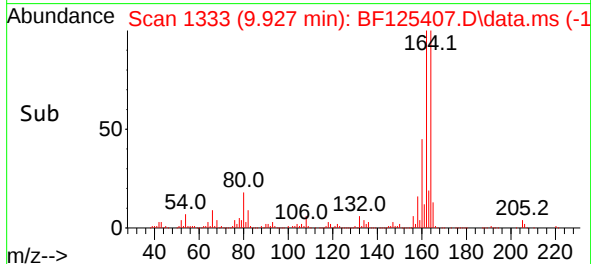
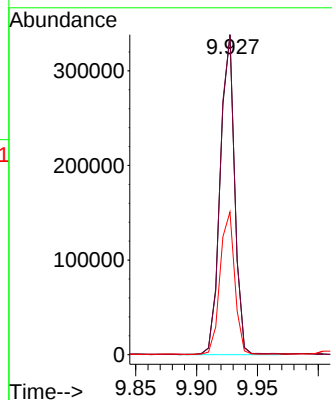
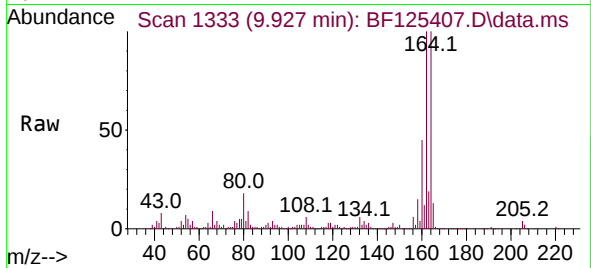




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.927 min Scan# 1333  
Delta R.T. 0.000 min  
Lab File: BF125407.D  
Acq: 9 Sep 2021 11:08

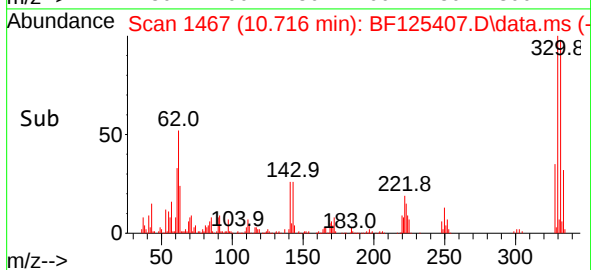
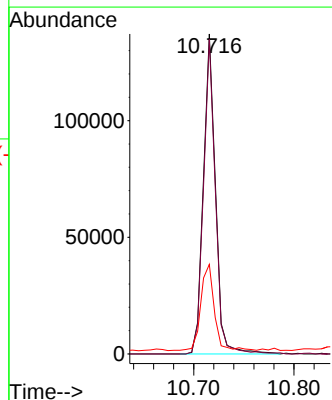
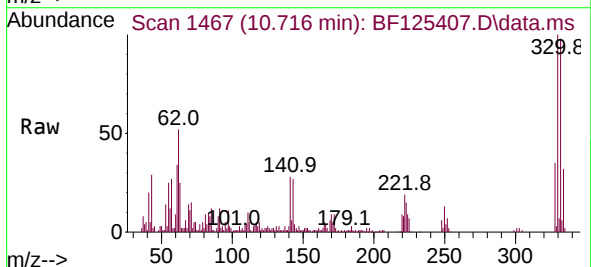
Instrument :  
BNA\_F  
ClientSampleId :  
1992DL

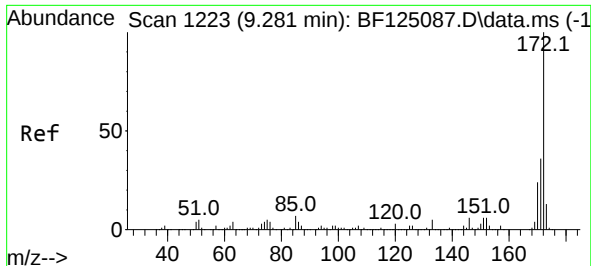
Tgt Ion:164 Resp: 279795  
Ion Ratio Lower Upper  
164 100  
162 100.0 81.3 121.9  
160 44.6 38.0 57.0



#42  
2,4,6-Tribromophenol  
Concen: 41.454 ng  
RT: 10.716 min Scan# 1467  
Delta R.T. -0.006 min  
Lab File: BF125407.D  
Acq: 9 Sep 2021 11:08

Tgt Ion:330 Resp: 115781  
Ion Ratio Lower Upper  
330 100  
332 96.5 76.2 114.4  
141 29.5 44.6 66.8#

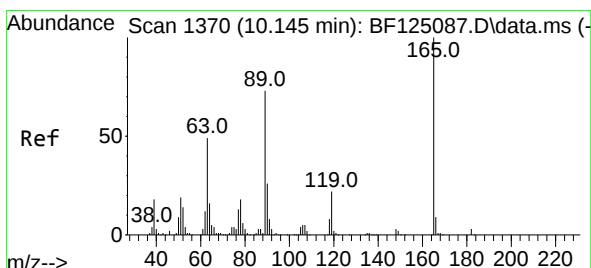
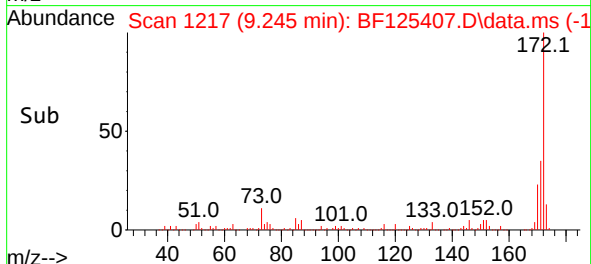
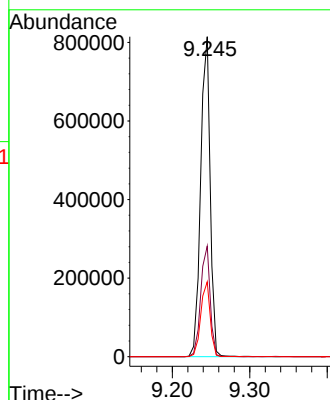
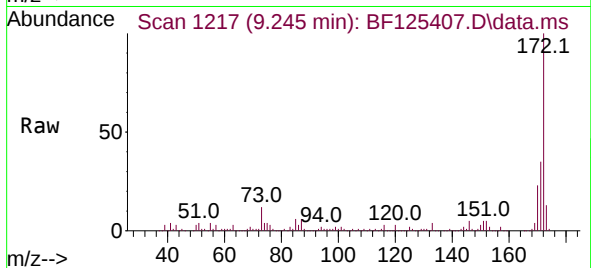




#45  
2-Fluorobiphenyl  
Concen: 34.592 ng  
RT: 9.245 min Scan# 1217  
Delta R.T. -0.006 min  
Lab File: BF125407.D  
Acq: 9 Sep 2021 11:08

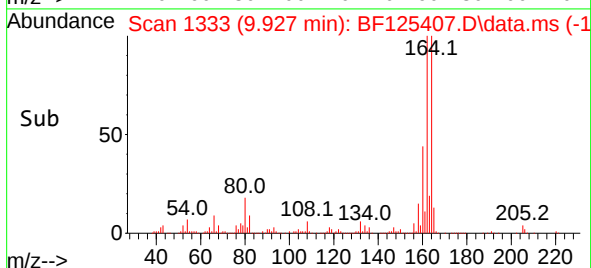
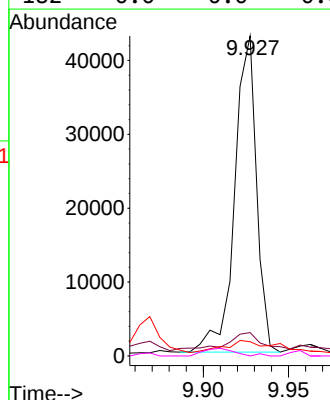
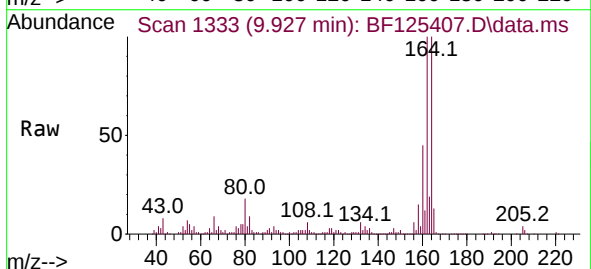
Instrument :  
BNA\_F  
ClientSampleId :  
1992DL

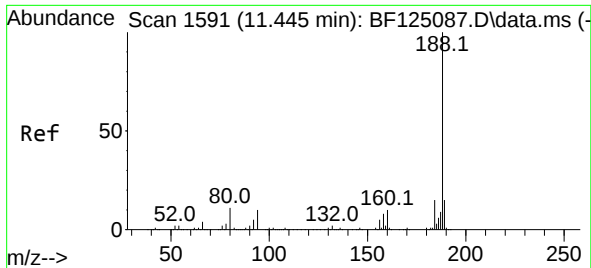
Tgt Ion:172 Resp: 694450  
Ion Ratio Lower Upper  
172 100  
171 34.6 26.5 39.7  
170 23.4 18.8 28.2



#57  
2,4-Dinitrotoluene  
Concen: 7.508 ng  
RT: 9.927 min Scan# 1333  
Delta R.T. -0.194 min  
Lab File: BF125407.D  
Acq: 9 Sep 2021 11:08

Tgt Ion:165 Resp: 38206  
Ion Ratio Lower Upper  
165 100  
63 7.3 40.9 61.3#  
89 4.5 59.7 89.5#  
182 0.0 0.0 0.0

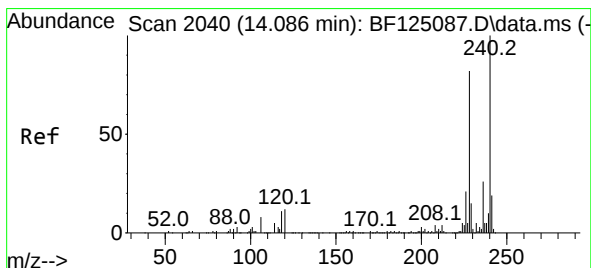
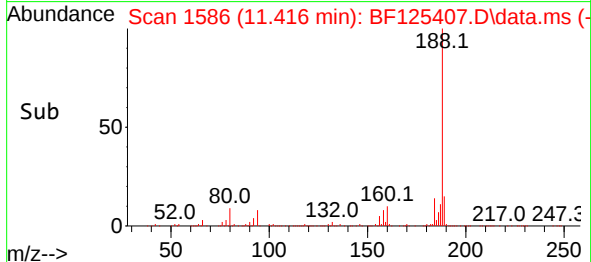
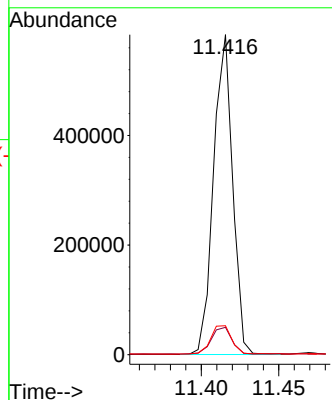
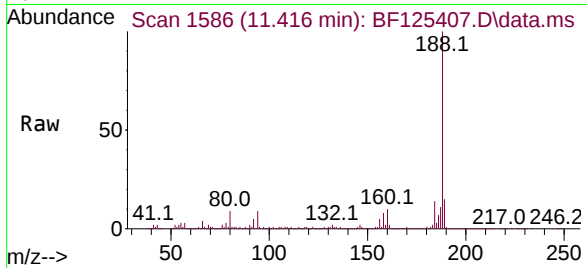




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: BF125407.D  
Acq: 9 Sep 2021 11:08

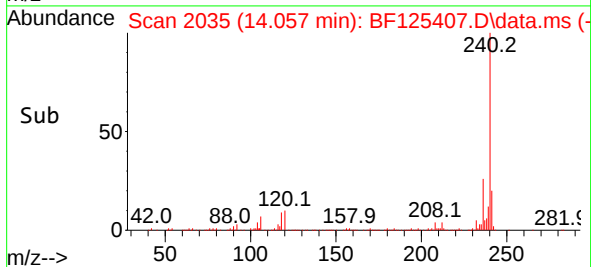
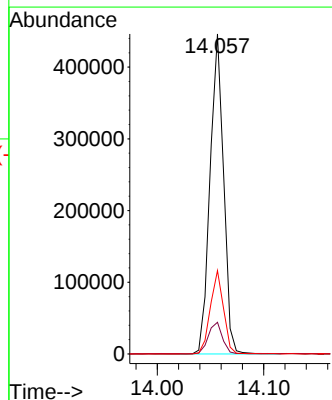
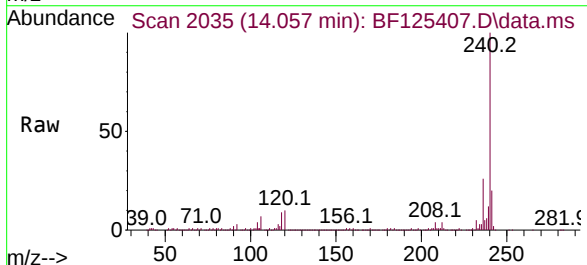
Instrument :  
BNA\_F  
ClientSampleId :  
1992DL

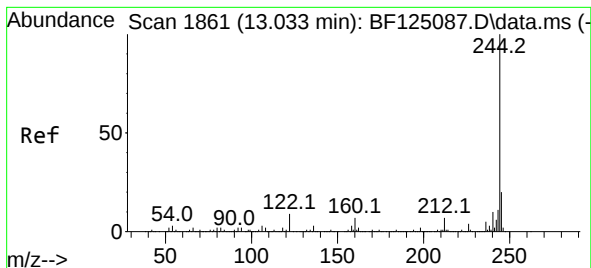
Tgt Ion:188 Resp: 499030  
Ion Ratio Lower Upper  
188 100  
94 8.6 6.7 10.1  
80 9.0 7.5 11.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.057 min Scan# 2035  
Delta R.T. -0.006 min  
Lab File: BF125407.D  
Acq: 9 Sep 2021 11:08

Tgt Ion:240 Resp: 394608  
Ion Ratio Lower Upper  
240 100  
120 9.9 10.8 16.2#  
236 26.1 21.6 32.4





#79

Terphenyl-d14

Concen: 31.604 ng

RT: 12.998 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF125407.D

Acq: 9 Sep 2021 11:08

Tgt Ion:244 Resp: 782829

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

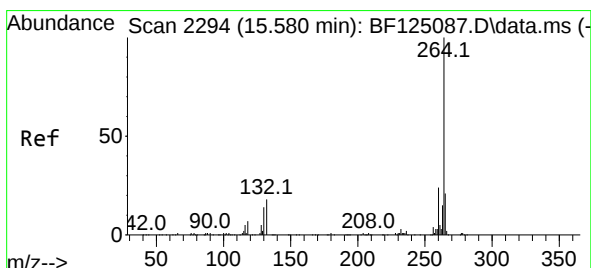
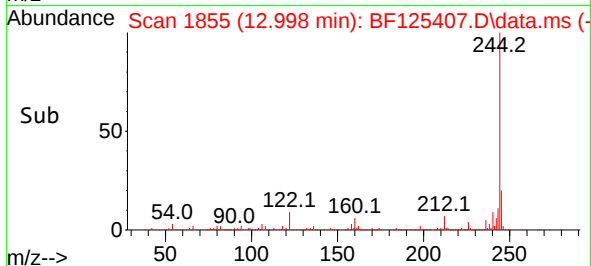
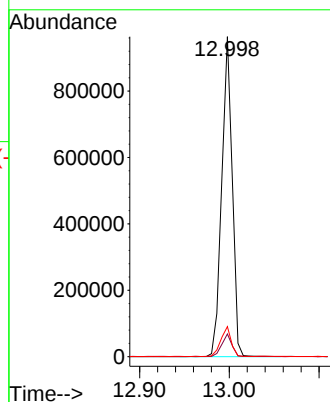
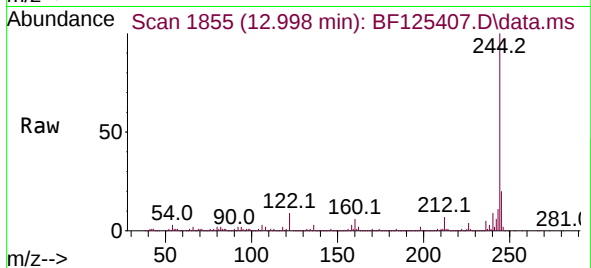
122 9.4 9.0 13.4

Instrument :

BNA\_F

ClientSampleId :

1992DL



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2288

Delta R.T. 0.000 min

Lab File: BF125407.D

Acq: 9 Sep 2021 11:08

Tgt Ion:264 Resp: 387114

Ion Ratio Lower Upper

264 100

260 25.0 19.6 29.4

265 23.3 17.2 25.8

