

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092721\  
 Data File : BF125675.D  
 Acq On : 27 Sep 2021 16:51  
 Operator : JU/CG  
 Sample : M3938-04  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUB-SLAB-05(6-8)

Quant Time: Sep 27 17:30:51 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF092421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 24 15:38:32 2021  
 Response via : Initial Calibration

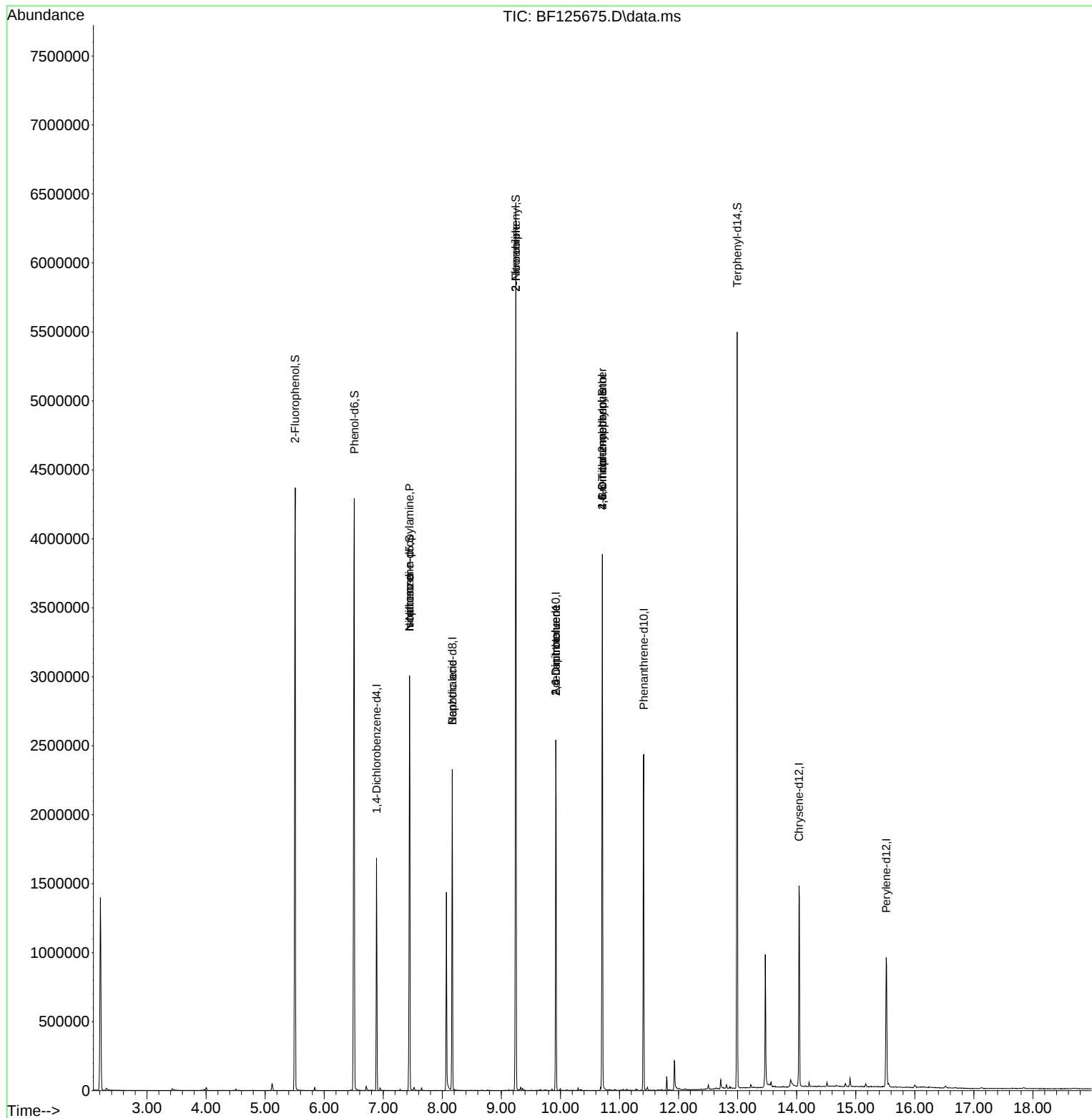
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 240365   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 993427   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.922  | 164  | 519944   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 877390   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 14.039 | 240  | 499025   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 15.515 | 264  | 429835   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 1418236  | 97.212    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 1774153  | 90.454    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 1054751  | 74.056    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 482657   | 99.562    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 1949585  | 64.082    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 1840406  | 63.867    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.510  | 77   | 2520     | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.445  | 70   | 131011   | 11.732    | ng    | # 51     |
| 25) Isophorone                | 7.445  | 82   | 1052894  | 33.009    | ng    | # 59     |
| 32) Benzoic acid              | 8.169  | 122  | 178      | 8.642     | ng    | # 1      |
| 48) 2-Nitroaniline            | 9.245  | 65   | 2944     | 4.516     | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.922  | 165  | 64259    | 12.350    | ng    | # 27     |
| 57) 2,4-Dinitrotoluene        | 9.922  | 165  | 64259    | 11.300    | ng    | # 19     |
| 65) 4,6-Dinitro-2-methylph... | 10.710 | 198  | 1012     | 9.206     | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.710 | 248  | 26901    | 2.922     | ng    | # 1      |
| -----                         |        |      |          |           |       |          |

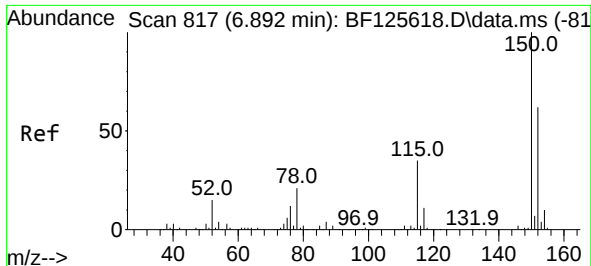
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SUB-SLAB-05(6-8)

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QLast Update : Fri Sep 24 15:38:32 2021  
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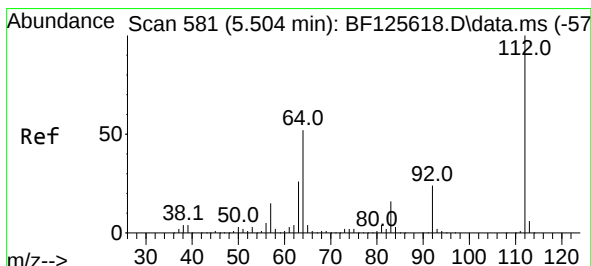
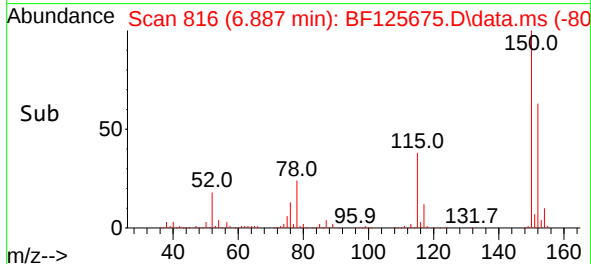
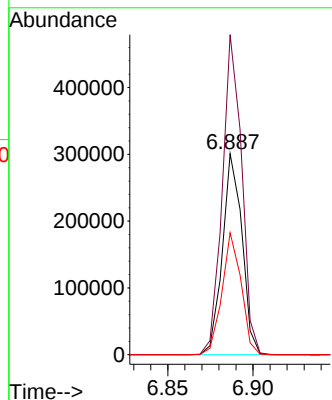
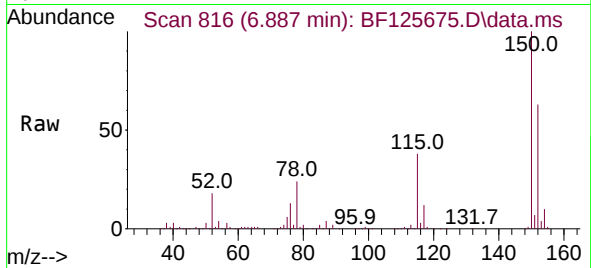




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 816  
Delta R.T. -0.005 min  
Lab File: BF125675.D  
Acq: 27 Sep 2021 16:51

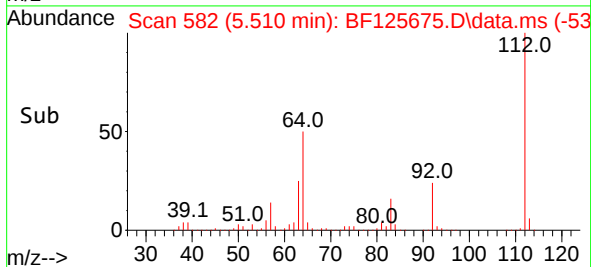
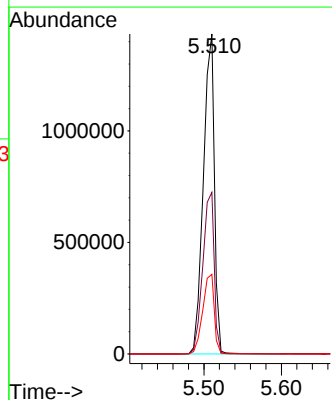
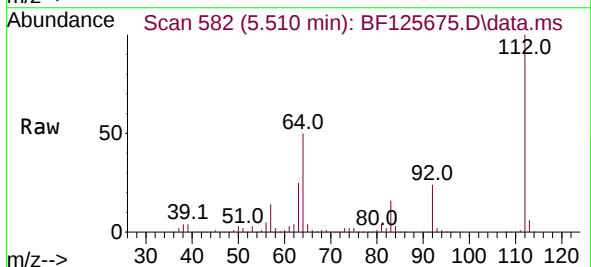
Instrument :  
BNA\_F  
ClientSampleId :  
SUB-SLAB-05(6-8)

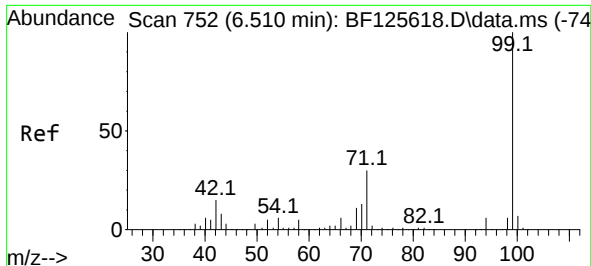
Tgt Ion:152 Resp: 240365  
Ion Ratio Lower Upper  
152 100  
150 159.2 117.6 176.4  
115 60.7 47.1 70.7



#5  
2-Fluorophenol  
Concen: 97.212 ng  
RT: 5.510 min Scan# 582  
Delta R.T. 0.006 min  
Lab File: BF125675.D  
Acq: 27 Sep 2021 16:51

Tgt Ion:112 Resp: 1418236  
Ion Ratio Lower Upper  
112 100  
64 50.5 44.2 66.2  
63 24.9 26.2 39.2#

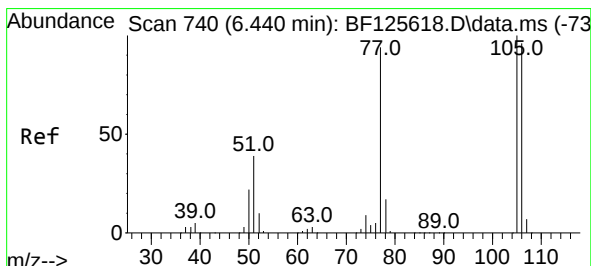
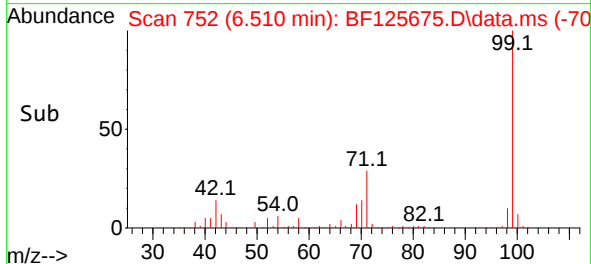
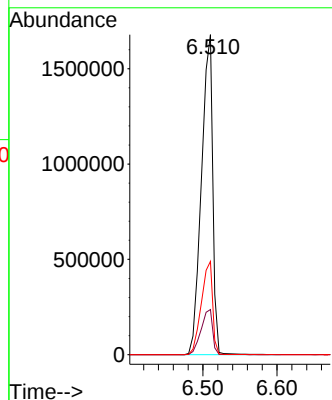
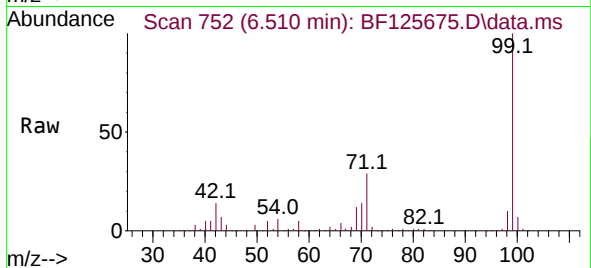




#7  
Phenol-d6  
Concen: 90.454 ng  
RT: 6.510 min Scan# 752  
Delta R.T. 0.000 min  
Lab File: BF125675.D  
Acq: 27 Sep 2021 16:51

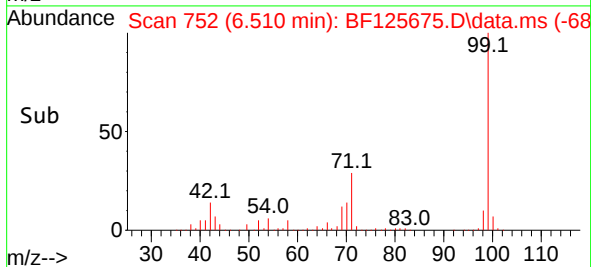
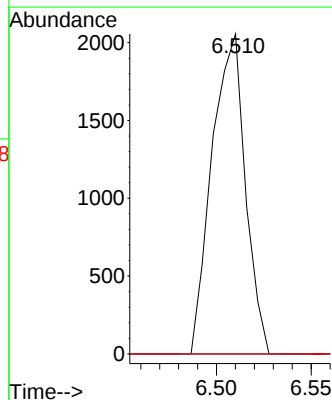
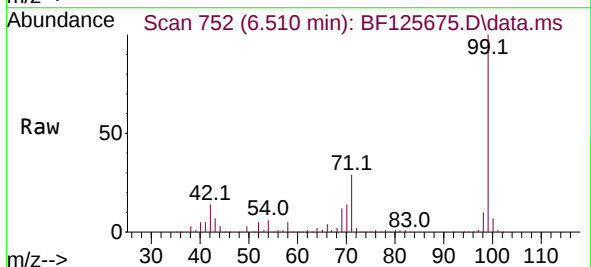
Instrument :  
BNA\_F  
ClientSampleId :  
SUB-SLAB-05(6-8)

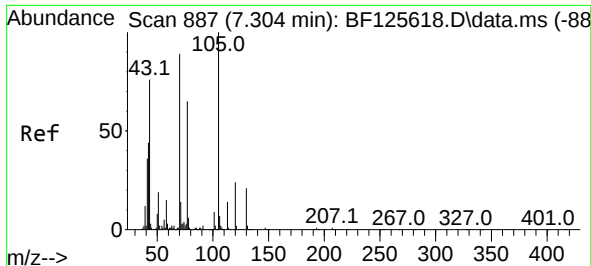
Tgt Ion: 99 Resp: 1774153  
Ion Ratio Lower Upper  
99 100  
42 14.1 23.5 35.3#  
71 29.2 25.6 38.4



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.510 min Scan# 752  
Delta R.T. 0.070 min  
Lab File: BF125675.D  
Acq: 27 Sep 2021 16:51

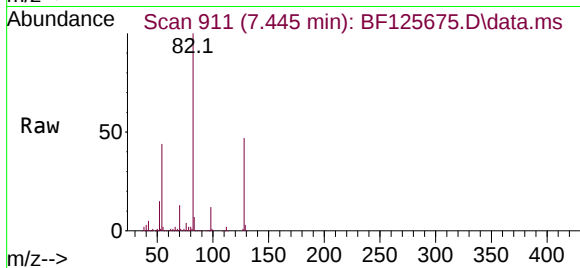
Tgt Ion: 77 Resp: 2520  
Ion Ratio Lower Upper  
77 100  
105 0.0 75.9 115.9#  
106 0.0 84.0 124.0#



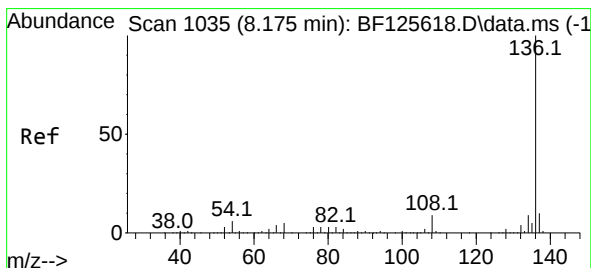
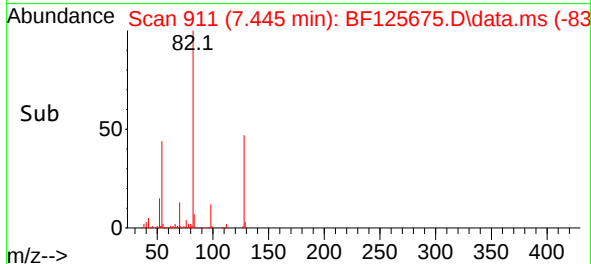
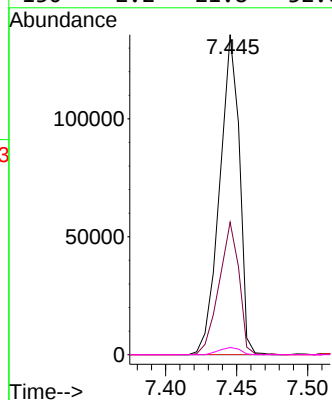


#19  
n-Nitroso-di-n-propylamine  
Concen: 11.732 ng  
RT: 7.445 min Scan# 911  
Delta R.T. 0.141 min  
Lab File: BF125675.D  
Acq: 27 Sep 2021 16:51

Instrument :  
BNA\_F  
ClientSampleId :  
SUB-SLAB-05(6-8)

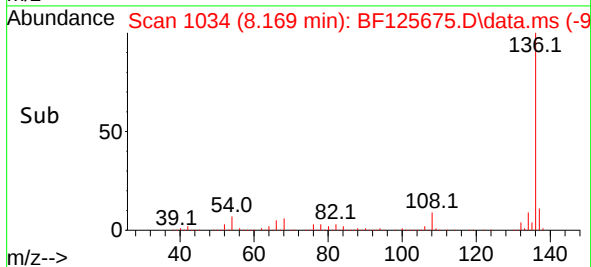
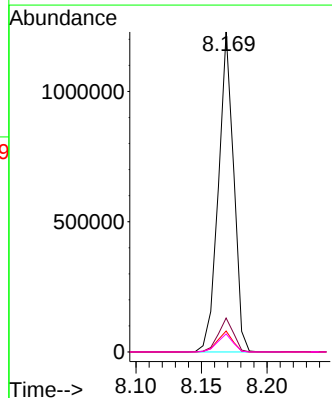
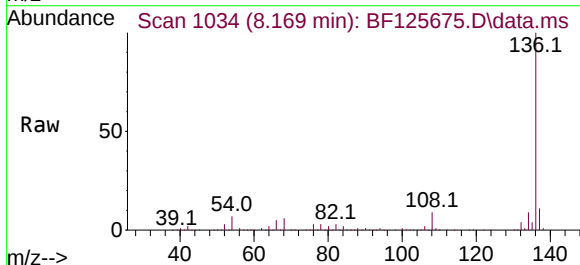


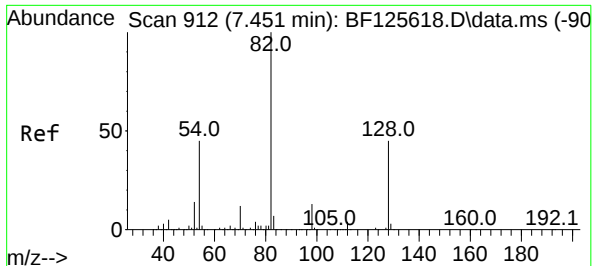
Tgt Ion: 70 Resp: 131011  
Ion Ratio Lower Upper  
70 100  
42 41.4 72.2 108.2#  
101 0.0 7.8 11.8#  
130 2.2 21.8 32.6#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1034  
Delta R.T. -0.006 min  
Lab File: BF125675.D  
Acq: 27 Sep 2021 16:51

Tgt Ion: 136 Resp: 993427  
Ion Ratio Lower Upper  
136 100  
137 10.6 9.8 14.6  
54 6.5 6.4 9.6  
68 5.7 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 74.056 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF125675.D

Acq: 27 Sep 2021 16:51

Instrument :

BNA\_F

ClientSampleId :

SUB-SLAB-05(6-8)

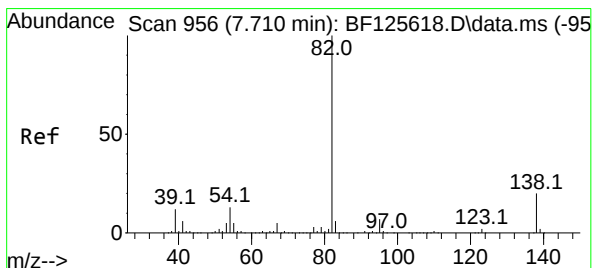
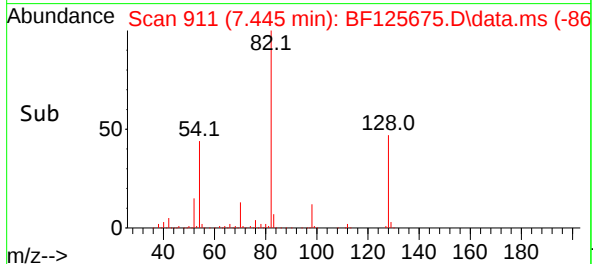
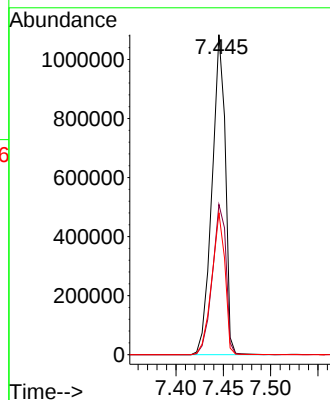
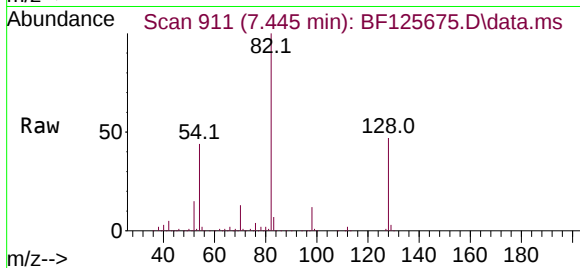
Tgt Ion: 82 Resp: 1054751

Ion Ratio Lower Upper

82 100

128 46.9 40.6 60.8

54 44.3 49.6 74.4#



#25

Isophorone

Concen: 33.009 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.265 min

Lab File: BF125675.D

Acq: 27 Sep 2021 16:51

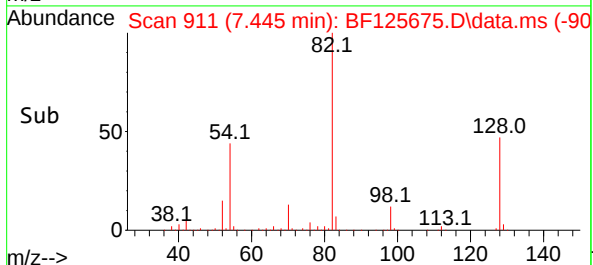
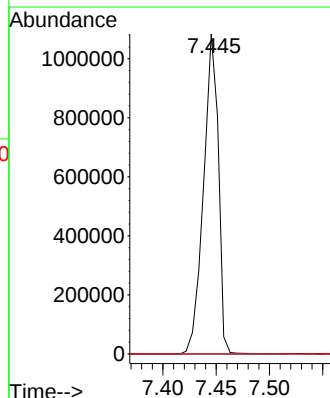
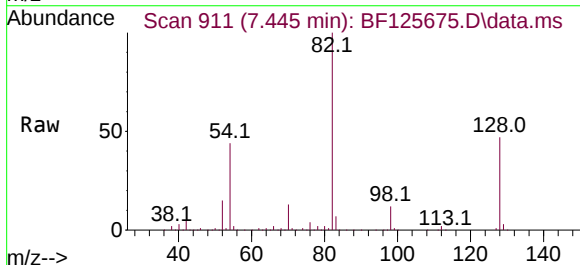
Tgt Ion: 82 Resp: 1052894

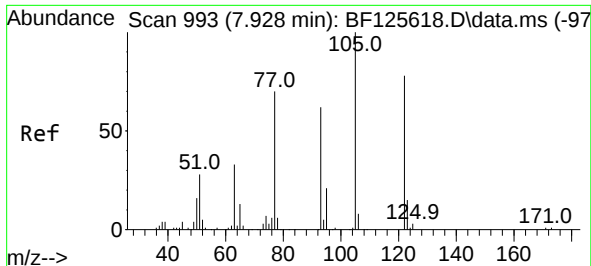
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#

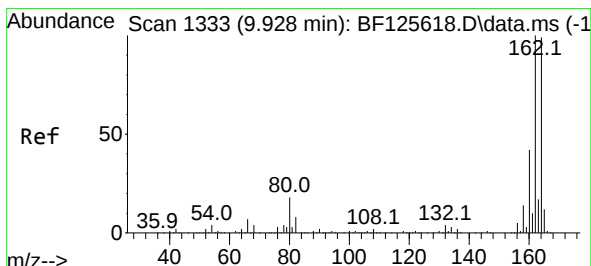
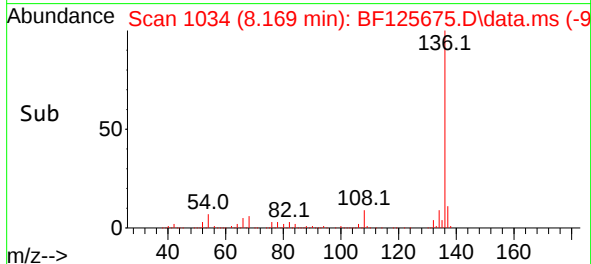
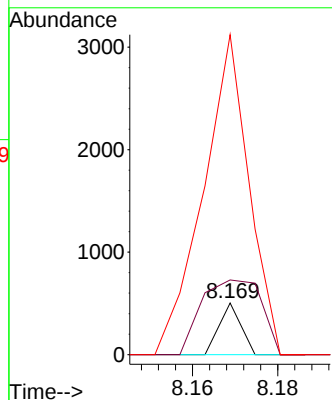
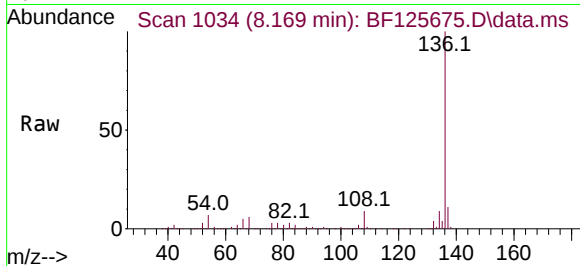




#32  
Benzoic acid  
Concen: 8.642 ng  
RT: 8.169 min Scan# 1034  
Delta R.T. 0.241 min  
Lab File: BF125675.D  
Acq: 27 Sep 2021 16:51

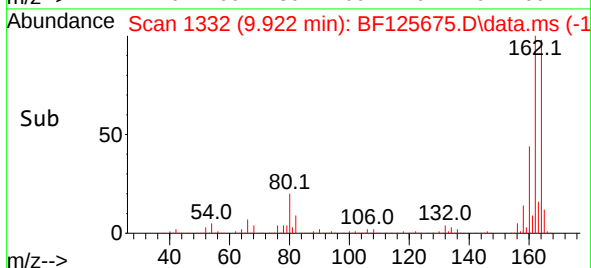
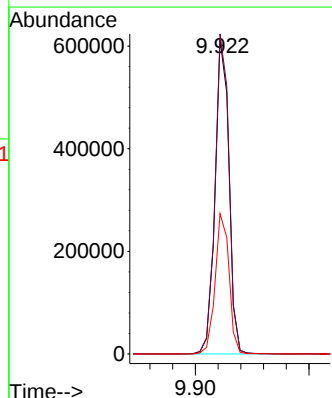
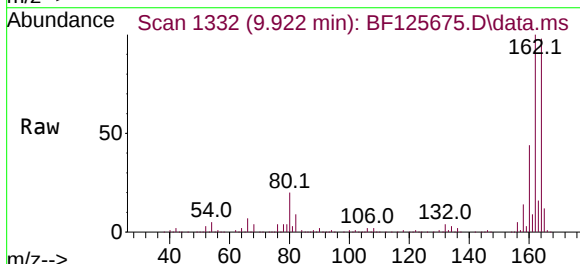
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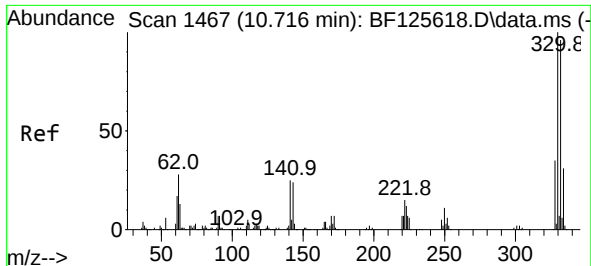
Tgt Ion:122 Resp: 178  
Ion Ratio Lower Upper  
122 100  
105 144.6 97.6 137.6#  
77 619.4 59.6 99.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.922 min Scan# 1332  
Delta R.T. -0.006 min  
Lab File: BF125675.D  
Acq: 27 Sep 2021 16:51

Tgt Ion:164 Resp: 519944  
Ion Ratio Lower Upper  
164 100  
162 101.9 81.3 121.9  
160 44.7 38.0 57.0

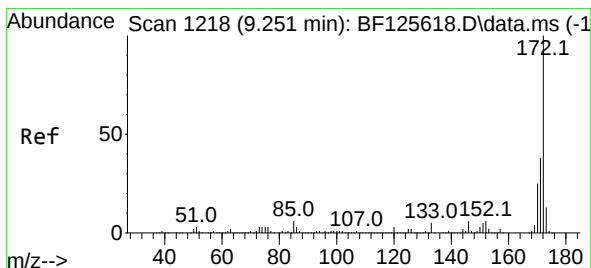
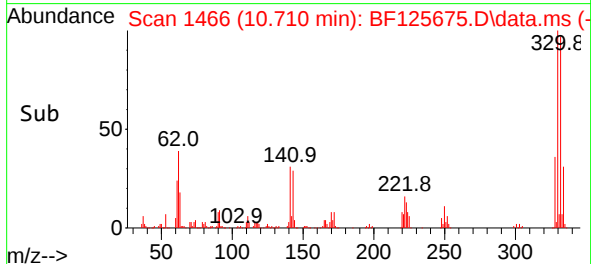
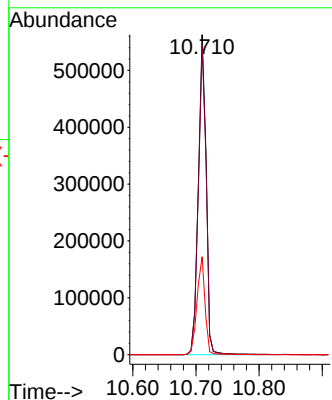
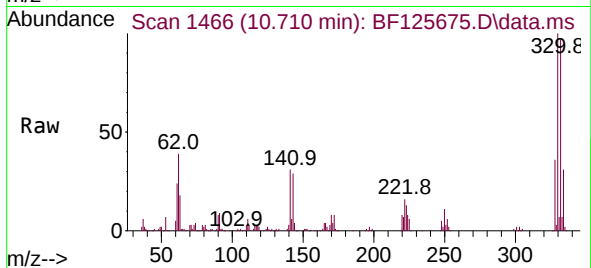




#42  
2,4,6-Tribromophenol  
Concen: 99.562 ng  
RT: 10.710 min Scan# 1466  
Delta R.T. -0.006 min  
Lab File: BF125675.D  
Acq: 27 Sep 2021 16:51

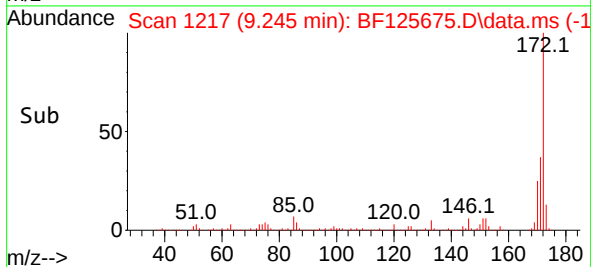
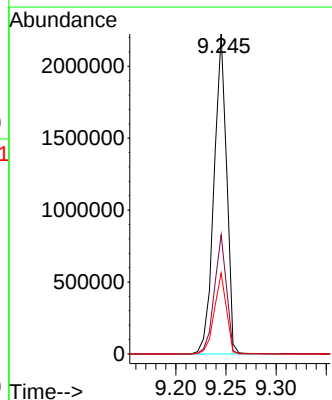
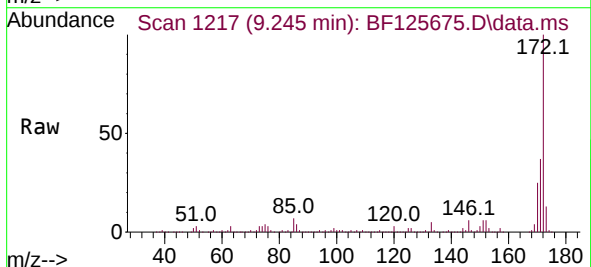
Instrument :  
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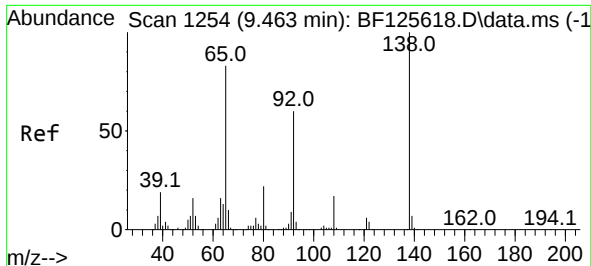
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Ion Ratio Lower Upper  
330 100  
332 97.1 76.2 114.4  
141 31.4 44.6 66.8#



#45  
2-Fluorobiphenyl  
Concen: 64.082 ng  
RT: 9.245 min Scan# 1217  
Delta R.T. -0.006 min  
Lab File: BF125675.D  
Acq: 27 Sep 2021 16:51

Tgt Ion:172 Resp: 1949585  
Ion Ratio Lower Upper  
172 100  
171 37.3 26.5 39.7  
170 25.3 18.8 28.2

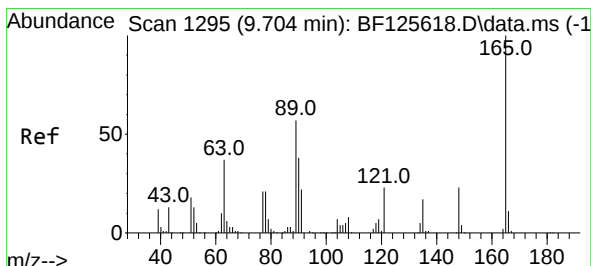
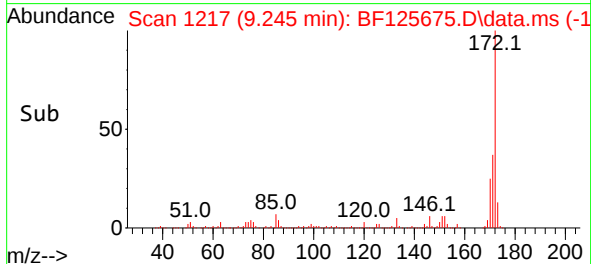
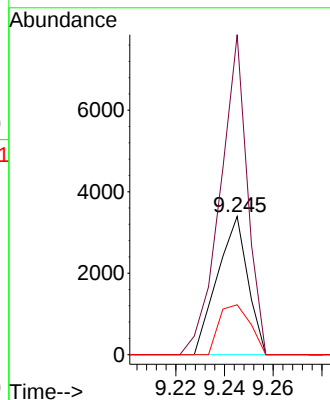
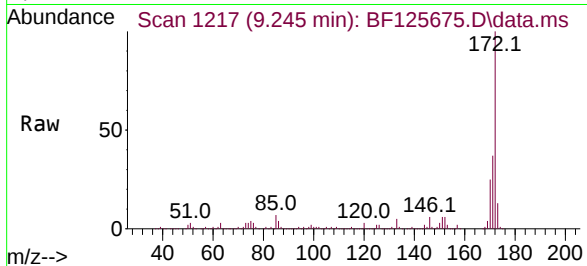




#48  
2-Nitroaniline  
Concen: 4.516 ng  
RT: 9.245 min Scan# 1217  
Delta R.T. -0.218 min  
Lab File: BF125675.D  
Acq: 27 Sep 2021 16:51

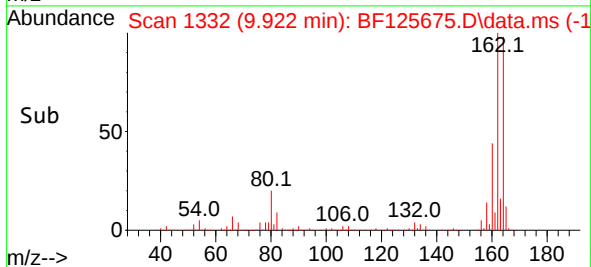
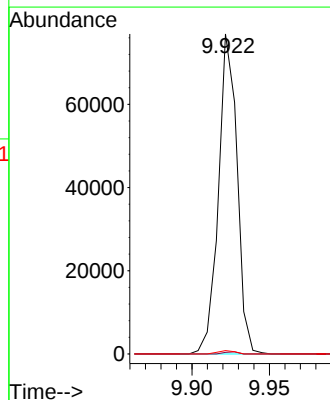
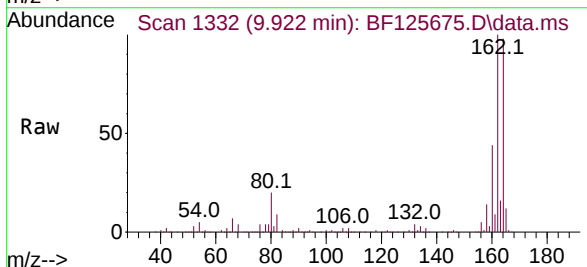
Instrument :  
BNA\_F  
ClientSampleId :  
SUB-SLAB-05(6-8)

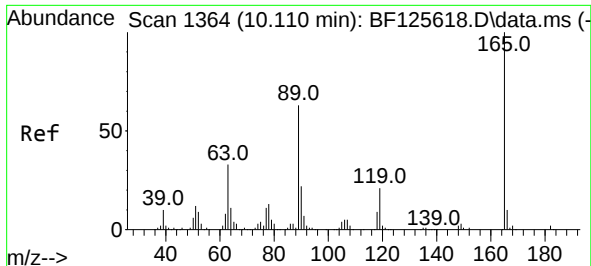
Tgt Ion: 65 Resp: 2944  
Ion Ratio Lower Upper  
65 100  
92 231.6 55.5 83.3#  
138 36.1 93.5 140.3#



#51  
2,6-Dinitrotoluene  
Concen: 12.350 ng  
RT: 9.922 min Scan# 1332  
Delta R.T. 0.218 min  
Lab File: BF125675.D  
Acq: 27 Sep 2021 16:51

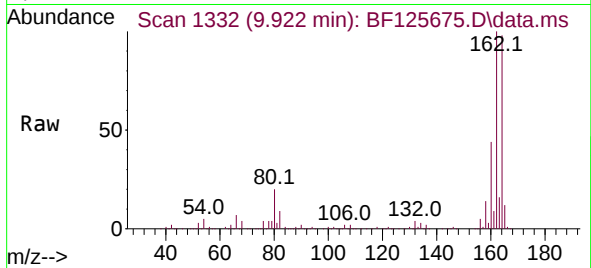
Tgt Ion:165 Resp: 64259  
Ion Ratio Lower Upper  
165 100  
63 0.5 42.6 63.8#  
89 1.1 40.6 60.8#



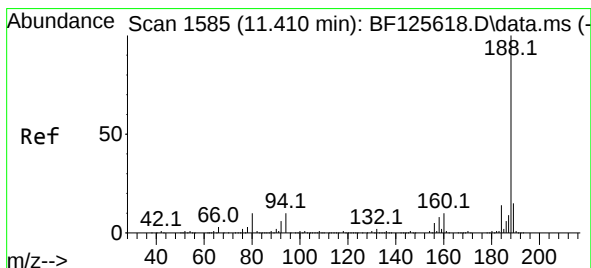
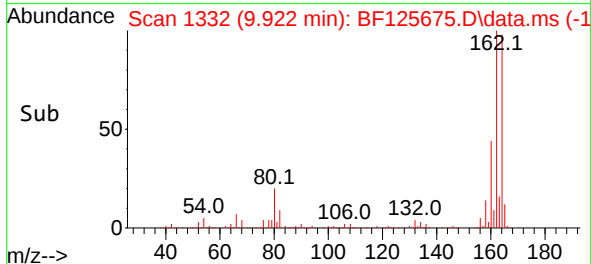
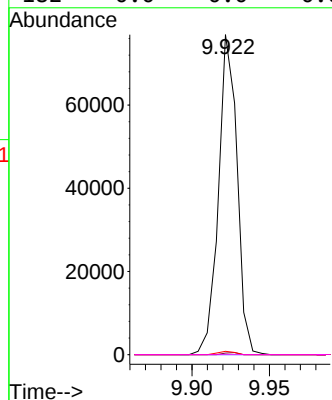


#57  
2,4-Dinitrotoluene  
Concen: 11.300 ng  
RT: 9.922 min Scan# 1332  
Delta R.T. -0.188 min  
Lab File: BF125675.D  
Acq: 27 Sep 2021 16:51

Instrument :  
BNA\_F  
ClientSampleId :  
SUB-SLAB-05(6-8)

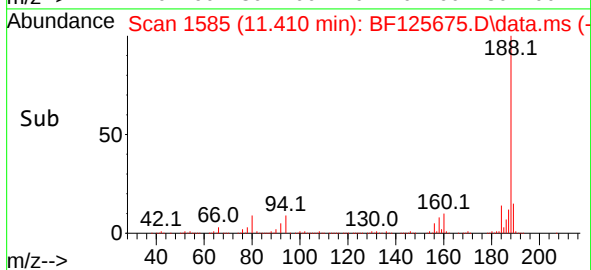
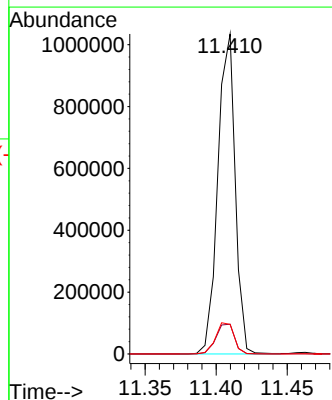
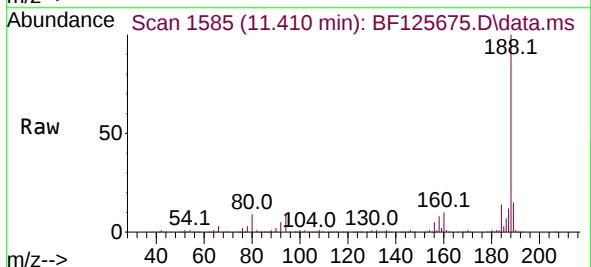


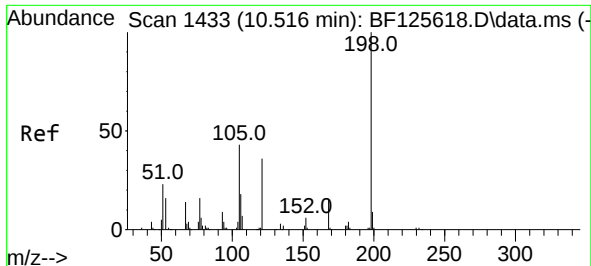
Tgt Ion:165 Resp: 64259  
Ion Ratio Lower Upper  
165 100  
63 0.5 40.9 61.3#  
89 1.1 59.7 89.5#  
182 0.0 0.0 0.0



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 1585  
Delta R.T. -0.000 min  
Lab File: BF125675.D  
Acq: 27 Sep 2021 16:51

Tgt Ion:188 Resp: 877390  
Ion Ratio Lower Upper  
188 100  
94 9.3 6.7 10.1  
80 9.2 7.5 11.3

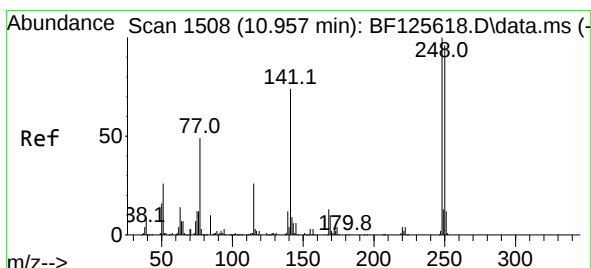
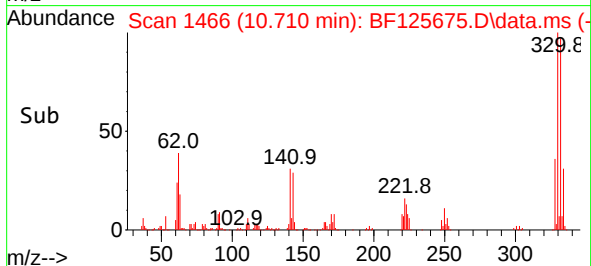
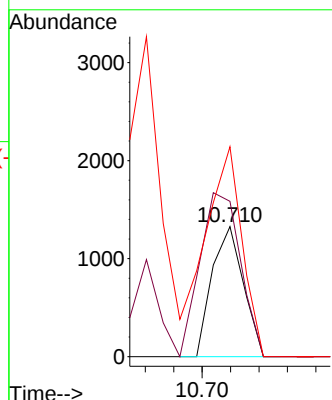
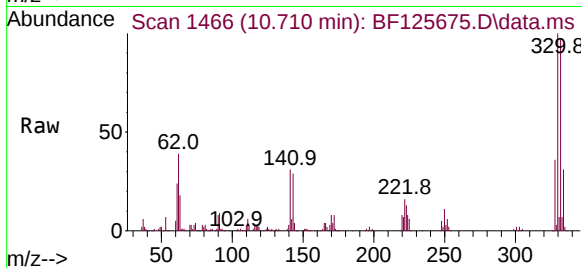




#65  
4,6-Dinitro-2-methylphenol  
Concen: 9.206 ng  
RT: 10.710 min Scan# 1466  
Delta R.T. 0.194 min  
Lab File: BF125675.D  
Acq: 27 Sep 2021 16:51

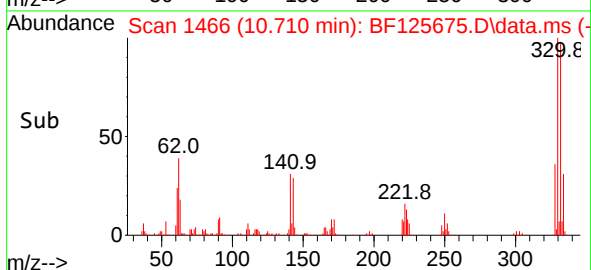
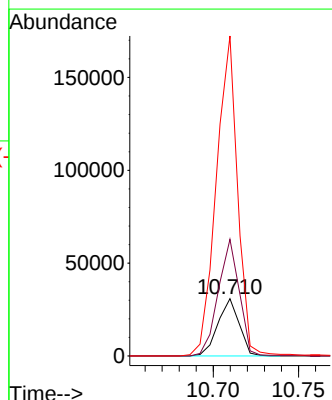
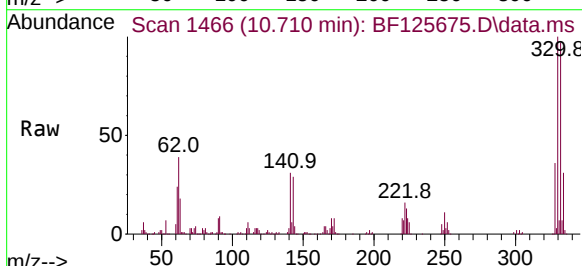
Instrument :  
BNA\_F  
ClientSampleId :  
SUB-SLAB-05(6-8)

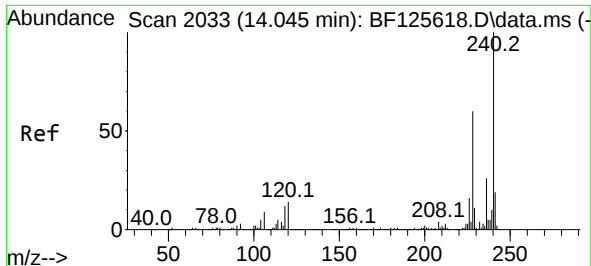
Tgt Ion:198 Resp: 1012  
Ion Ratio Lower Upper  
198 100  
51 119.4 45.3 85.3#  
105 161.4 30.6 70.6#



#67  
4-Bromophenyl-phenylether  
Concen: 2.922 ng  
RT: 10.710 min Scan# 1466  
Delta R.T. -0.247 min  
Lab File: BF125675.D  
Acq: 27 Sep 2021 16:51

Tgt Ion:248 Resp: 26901  
Ion Ratio Lower Upper  
248 100  
250 203.3 74.2 111.4#  
141 558.0 60.4 90.6#

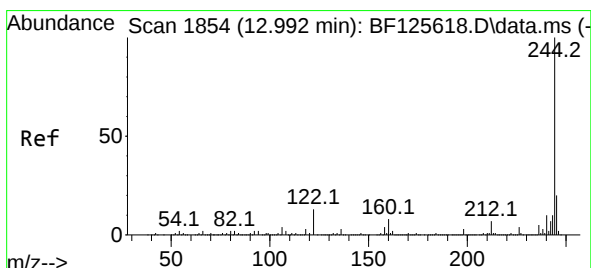
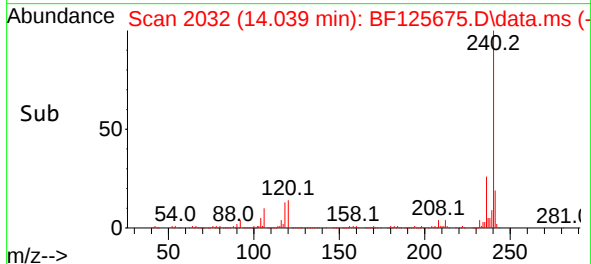
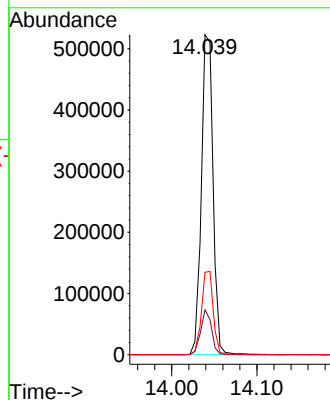
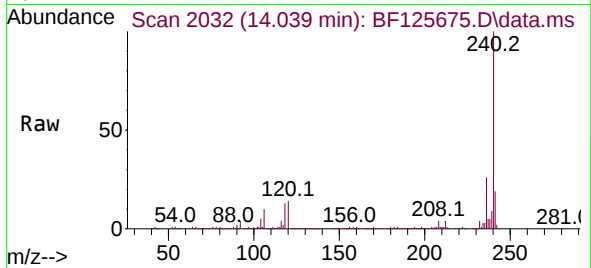




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 2032  
Delta R.T. -0.006 min  
Lab File: BF125675.D  
Acq: 27 Sep 2021 16:51

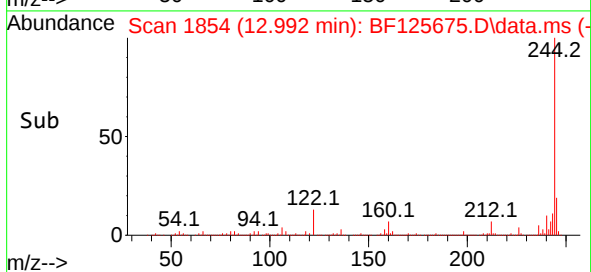
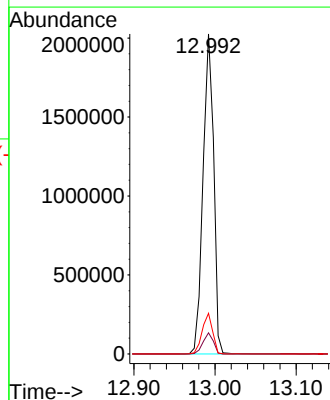
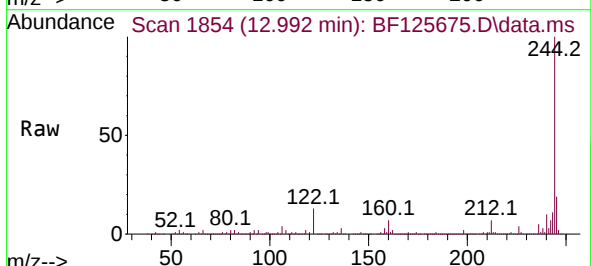
Instrument :  
BNA\_F  
ClientSampleId :  
SUB-SLAB-05(6-8)

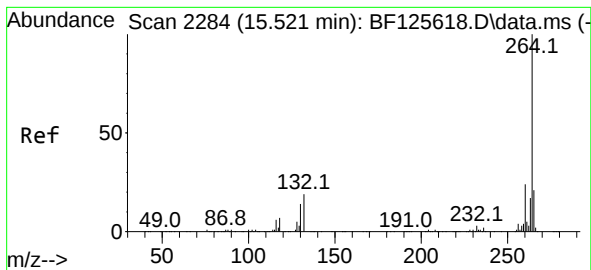
Tgt Ion:240 Resp: 499025  
Ion Ratio Lower Upper  
240 100  
120 14.0 10.8 16.2  
236 25.8 21.6 32.4



#79  
Terphenyl-d14  
Concen: 63.867 ng  
RT: 12.992 min Scan# 1854  
Delta R.T. 0.000 min  
Lab File: BF125675.D  
Acq: 27 Sep 2021 16:51

Tgt Ion:244 Resp: 1840406  
Ion Ratio Lower Upper  
244 100  
212 6.6 5.9 8.9  
122 12.7 9.0 13.4





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.515 min Scan# 2283  
Delta R.T. -0.006 min  
Lab File: BF125675.D  
Acq: 27 Sep 2021 16:51

Instrument :  
BNA\_F  
ClientSampleId :  
SUB-SLAB-05(6-8)

Tgt Ion:264 Resp: 429835  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.7  | 19.6  | 29.4  |
| 265 | 21.0  | 17.2  | 25.8  |

