

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092221\  
 Data File : BF125579.D  
 Acq On : 23 Sep 2021 2:03  
 Operator : JU/CG  
 Sample : M3822-09  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T1-T2-CONCRETE

Quant Time: Sep 23 04:51:46 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF092121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 21 19:21:36 2021  
 Response via : Initial Calibration

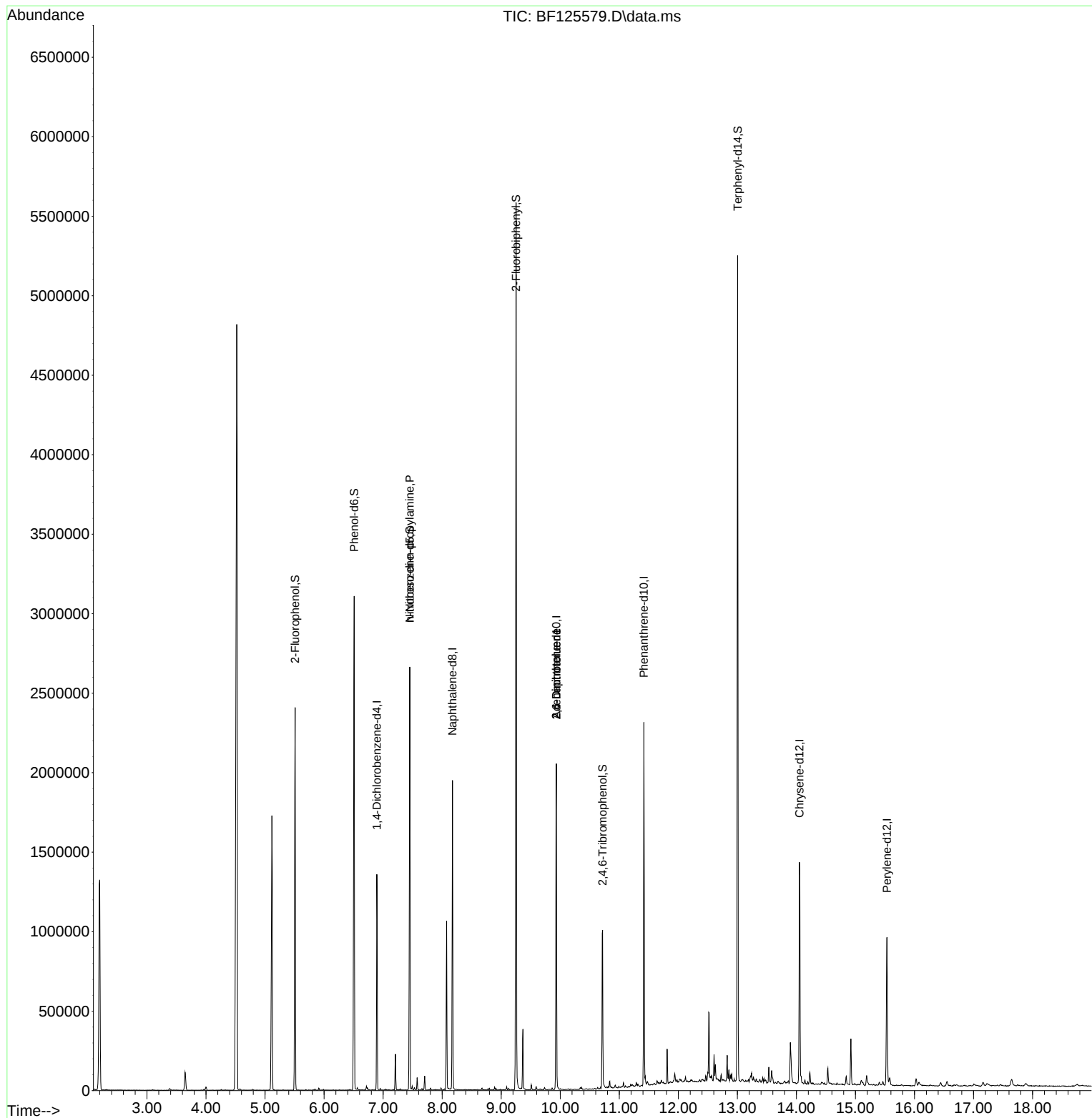
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 200030   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 836346   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.933  | 164  | 445011   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 748072   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.051 | 240  | 477092   | 20.000    | ng    | -0.01    |
| 86) Perylene-d12              | 15.533 | 264  | 406158   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 677938   | 53.595    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 1130652  | 69.327    | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 831207   | 63.390    | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 129415   | 29.691    | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 1751435  | 69.143    | ng    | -0.01    |
| 79) Terphenyl-d14             | 13.004 | 244  | 1719482  | 58.199    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.439  | 77   | 536      | Below Cal | #     | 17       |
| 19) n-Nitroso-di-n-propyla... | 7.451  | 70   | 104332   | 10.689    | ng    | # 52     |
| 51) 2,6-Dinitrotoluene        | 9.933  | 165  | 57545    | 9.444     | ng    | # 28     |
| 57) 2,4-Dinitrotoluene        | 9.933  | 165  | 57546    | 7.881     | ng    | # 19     |
| -----                         |        |      |          |           |       |          |

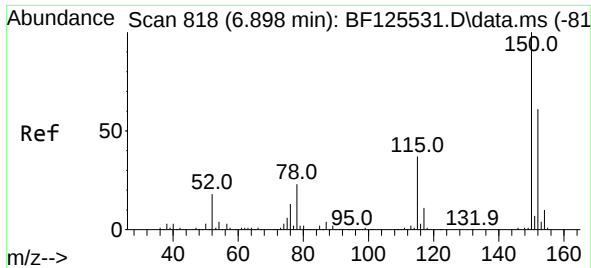
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092221\  
Data File : BF125579.D  
Acq On : 23 Sep 2021 2:03  
Operator : JU/CG  
Sample : M3822-09  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
T1-T2-CONCRETE

Quant Time: Sep 23 04:51:46 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF092121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 21 19:21:36 2021  
Response via : Initial Calibration

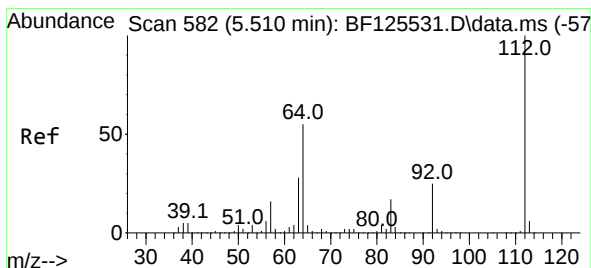
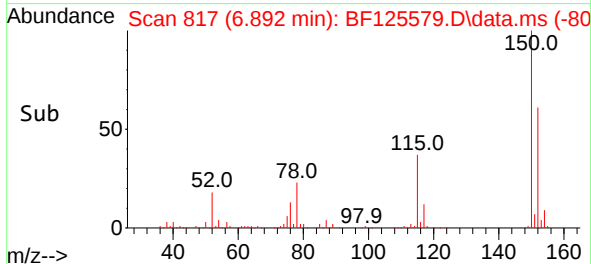
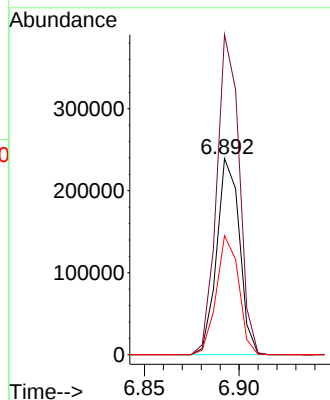
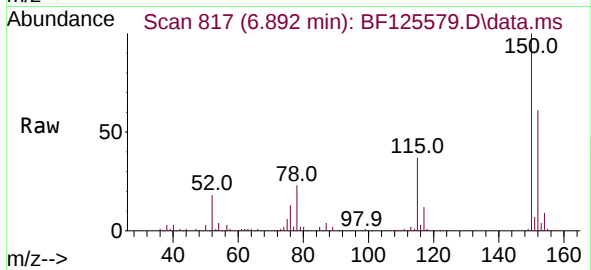




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 817  
Delta R.T. -0.006 min  
Lab File: BF125579.D  
Acq: 23 Sep 2021 2:03

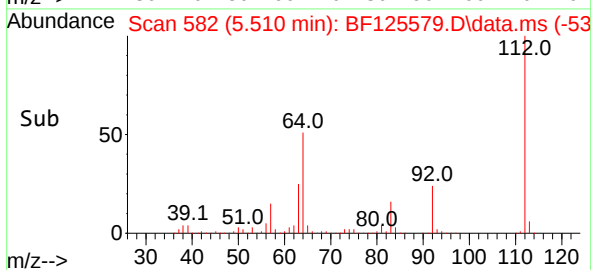
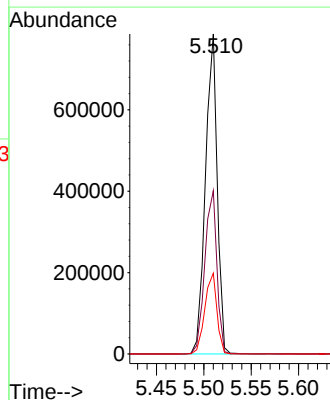
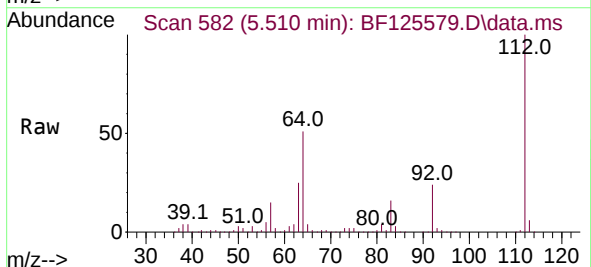
Instrument :  
BNA\_F  
ClientSampleId :  
T1-T2-CONCRETE

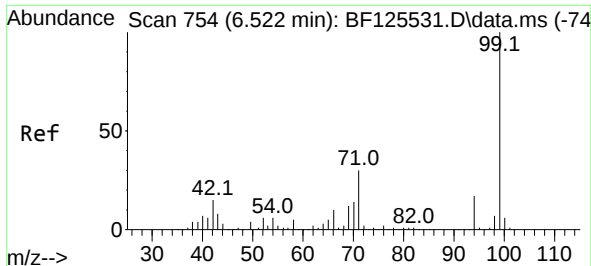
Tgt Ion:152 Resp: 200030  
Ion Ratio Lower Upper  
152 100  
150 163.2 117.6 176.4  
115 60.7 47.1 70.7



#5  
2-Fluorophenol  
Concen: 53.595 ng  
RT: 5.510 min Scan# 582  
Delta R.T. -0.000 min  
Lab File: BF125579.D  
Acq: 23 Sep 2021 2:03

Tgt Ion:112 Resp: 677938  
Ion Ratio Lower Upper  
112 100  
64 51.0 44.2 66.2  
63 25.2 26.2 39.2#

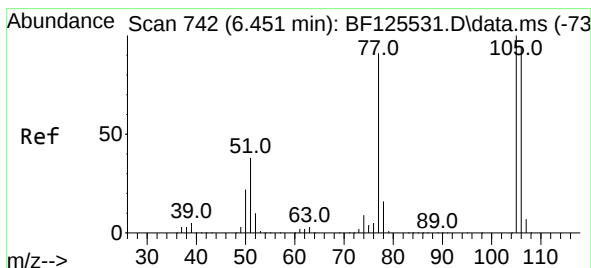
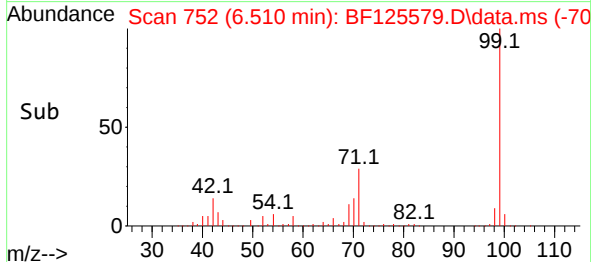
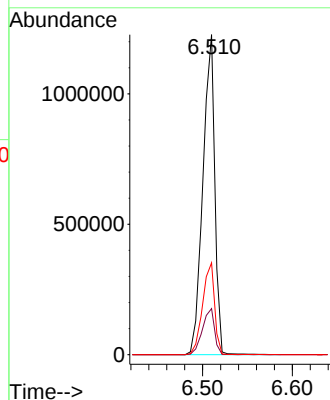
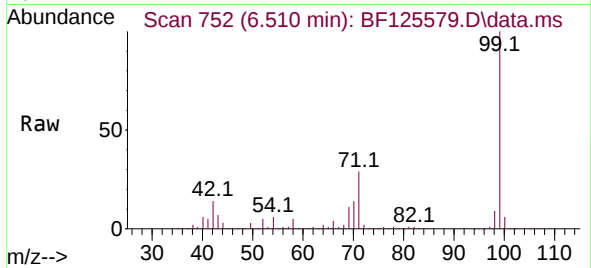




#7  
Phenol-d6  
Concen: 69.327 ng  
RT: 6.510 min Scan# 752  
Delta R.T. -0.012 min  
Lab File: BF125579.D  
Acq: 23 Sep 2021 2:03

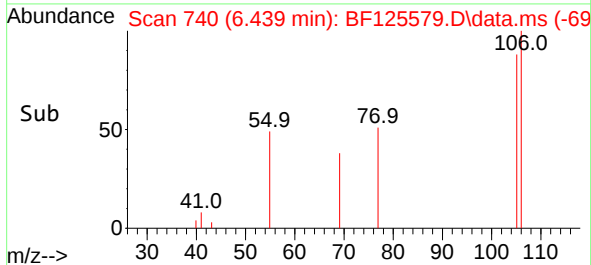
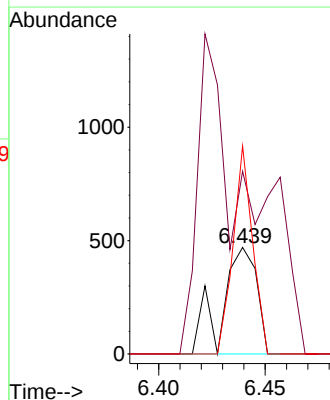
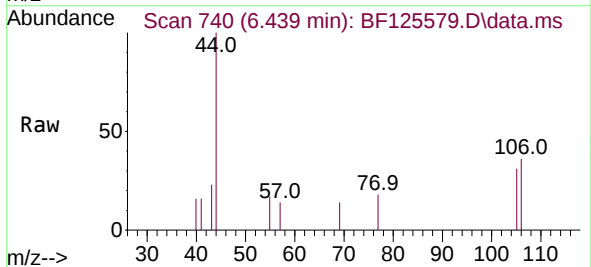
Instrument :  
BNA\_F  
ClientSampleId :  
T1-T2-CONCRETE

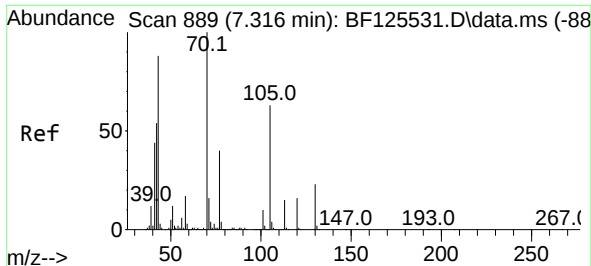
Tgt Ion: 99 Resp: 1130652  
Ion Ratio Lower Upper  
99 100  
42 14.4 23.5 35.3#  
71 28.7 25.6 38.4



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.439 min Scan# 740  
Delta R.T. -0.012 min  
Lab File: BF125579.D  
Acq: 23 Sep 2021 2:03

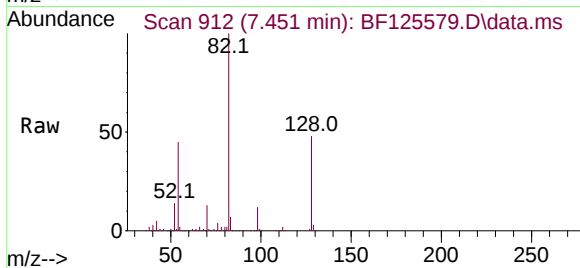
Tgt Ion: 77 Resp: 536  
Ion Ratio Lower Upper  
77 100  
105 171.5 75.9 115.9#  
106 195.1 84.0 124.0#



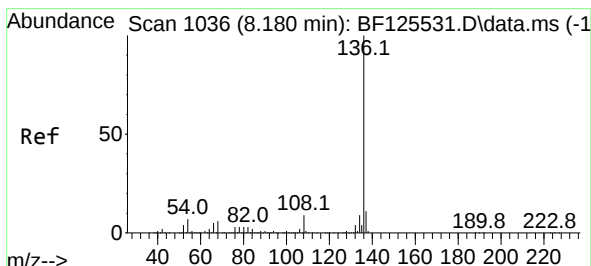
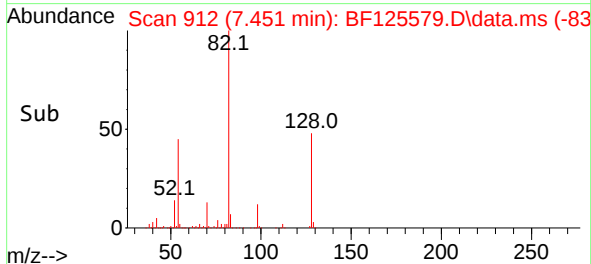
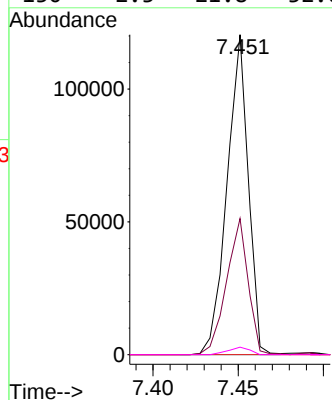


#19  
n-Nitroso-di-n-propylamine  
Concen: 10.689 ng  
RT: 7.451 min Scan# 912  
Delta R.T. 0.135 min  
Lab File: BF125579.D  
Acq: 23 Sep 2021 2:03

Instrument :  
BNA\_F  
ClientSampleId :  
T1-T2-CONCRETE

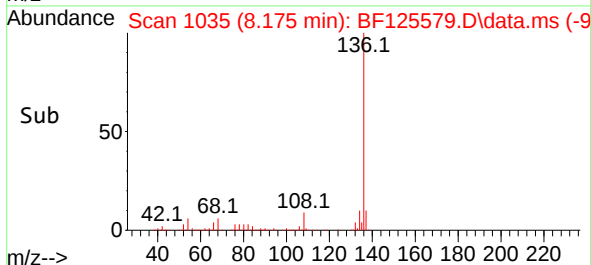
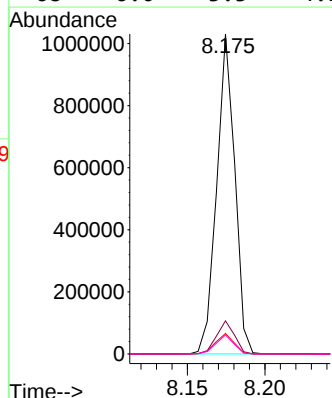
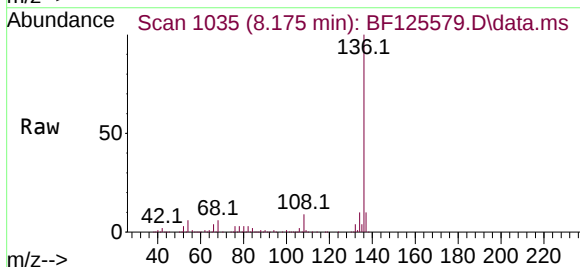


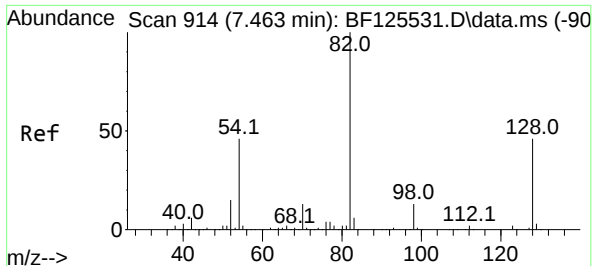
Tgt Ion: 70 Resp: 104332  
Ion Ratio Lower Upper  
70 100  
42 42.6 72.2 108.2#  
101 0.0 7.8 11.8#  
130 2.3 21.8 32.6#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1035  
Delta R.T. -0.006 min  
Lab File: BF125579.D  
Acq: 23 Sep 2021 2:03

Tgt Ion: 136 Resp: 836346  
Ion Ratio Lower Upper  
136 100  
137 10.4 9.8 14.6  
54 6.4 6.4 9.6  
68 6.0 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 63.390 ng

RT: 7.451 min Scan# 912

Delta R.T. -0.012 min

Lab File: BF125579.D

Acq: 23 Sep 2021 2:03

Tgt Ion: 82 Resp: 831207

Ion Ratio Lower Upper

82 100

128 47.7 40.6 60.8

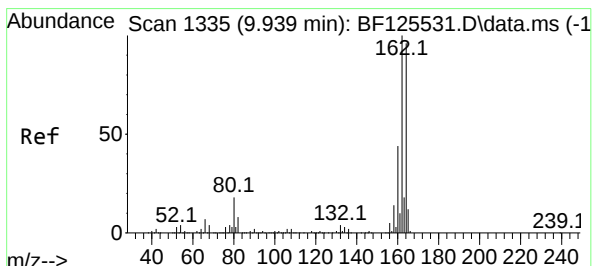
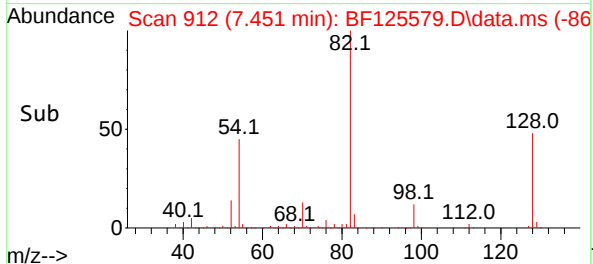
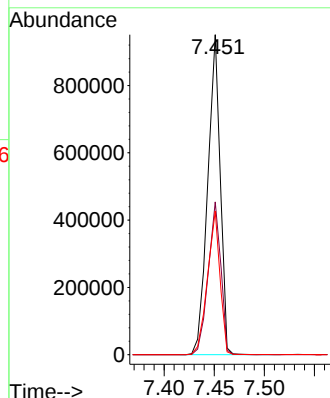
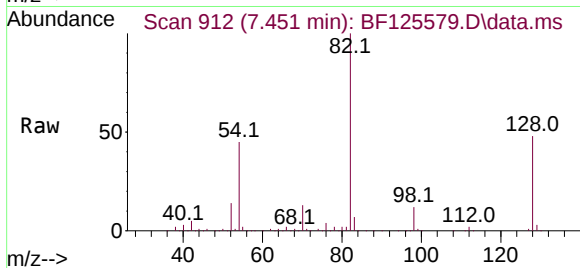
54 44.9 49.6 74.4#

Instrument :

BNA\_F

ClientSampleId :

T1-T2-CONCRETE



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1334

Delta R.T. -0.006 min

Lab File: BF125579.D

Acq: 23 Sep 2021 2:03

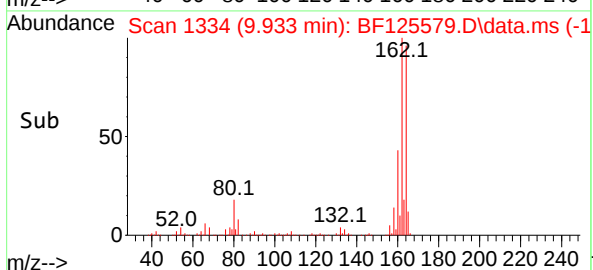
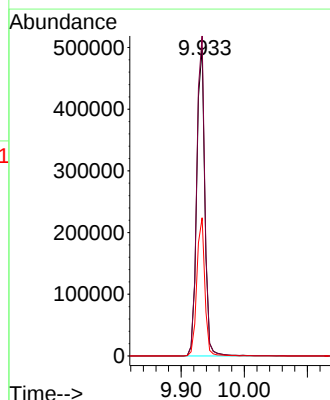
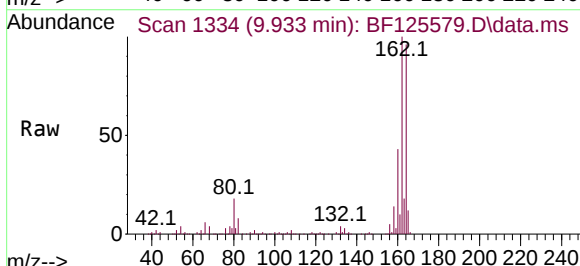
Tgt Ion:164 Resp: 445011

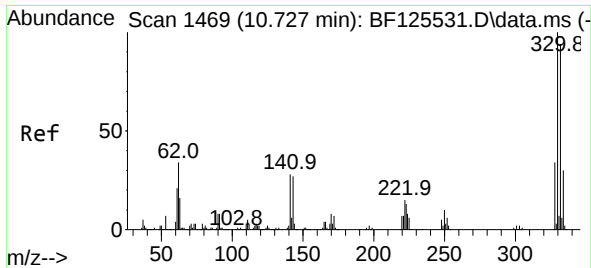
Ion Ratio Lower Upper

164 100

162 103.9 81.3 121.9

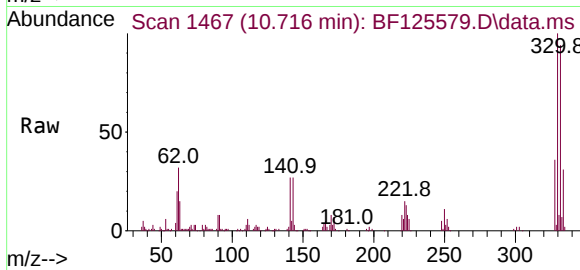
160 44.9 38.0 57.0



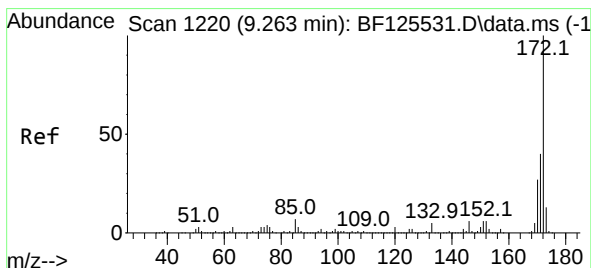
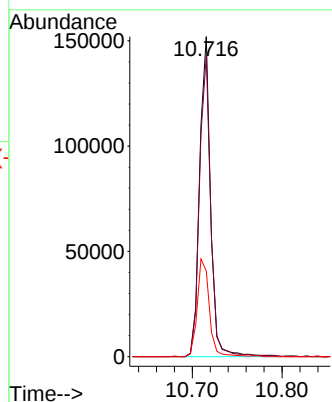
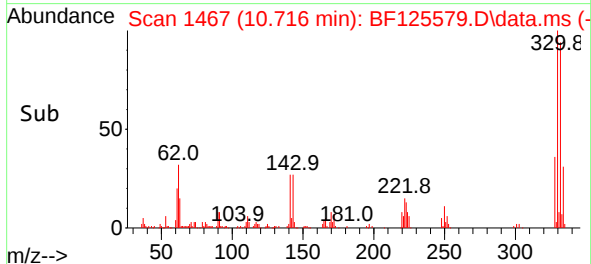


#42  
 2,4,6-Tribromophenol  
 Concen: 29.691 ng  
 RT: 10.716 min Scan# 1467  
 Delta R.T. -0.012 min  
 Lab File: BF125579.D  
 Acq: 23 Sep 2021 2:03

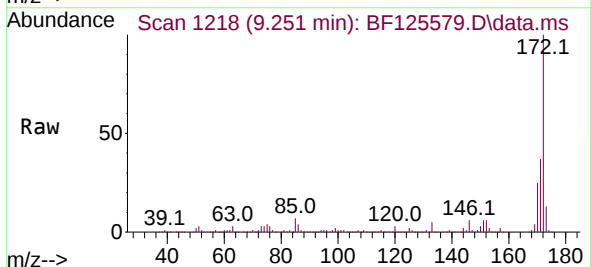
Instrument :  
 BNA\_F  
 ClientSampleId :  
 T1-T2-CONCRETE



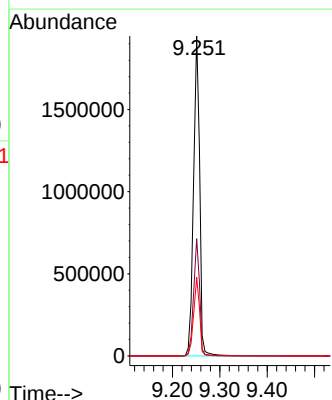
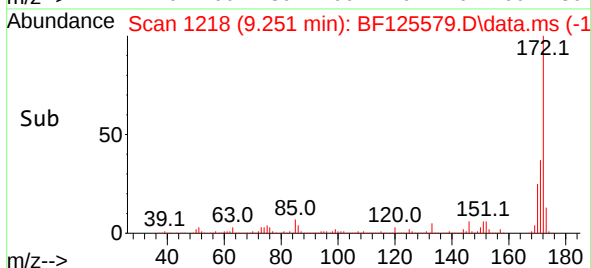
Tgt Ion: 330 Resp: 129415  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 76.2 114.4  
 141 33.7 44.6 66.8#

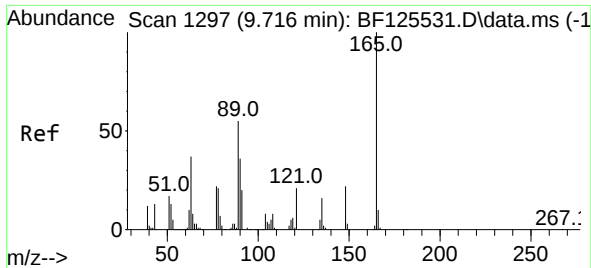


#45  
 2-Fluorobiphenyl  
 Concen: 69.143 ng  
 RT: 9.251 min Scan# 1218  
 Delta R.T. -0.012 min  
 Lab File: BF125579.D  
 Acq: 23 Sep 2021 2:03



Tgt Ion: 172 Resp: 1751435  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 26.5 39.7  
 170 24.6 18.8 28.2

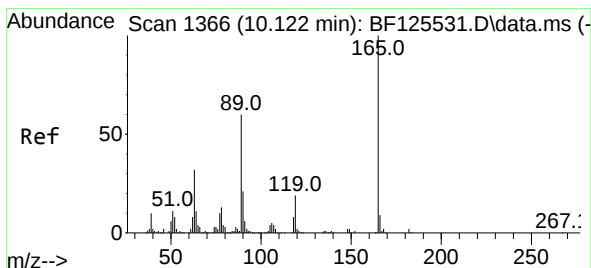
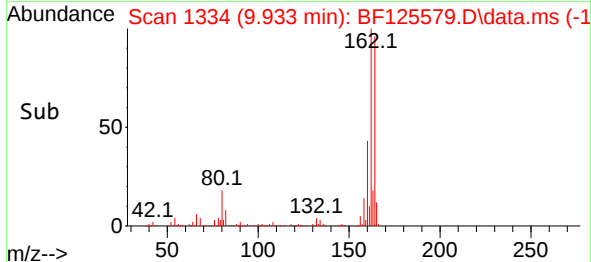
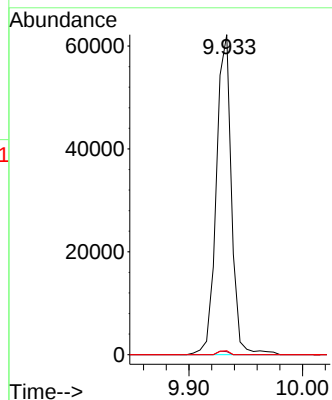
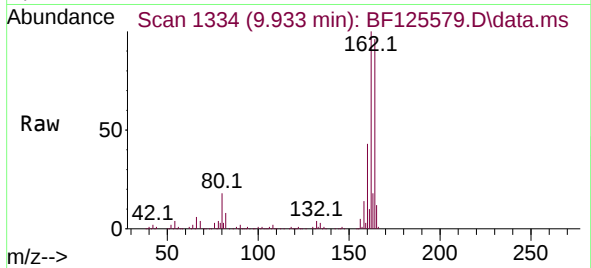




#51  
2,6-Dinitrotoluene  
Concen: 9.444 ng  
RT: 9.933 min Scan# 1334  
Delta R.T. 0.218 min  
Lab File: BF125579.D  
Acq: 23 Sep 2021 2:03

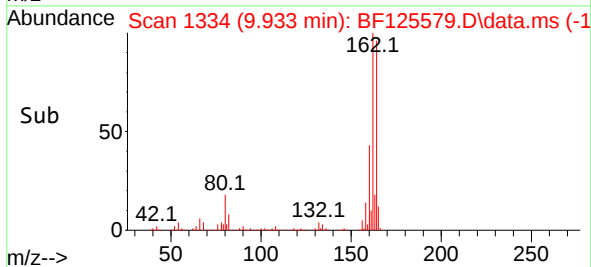
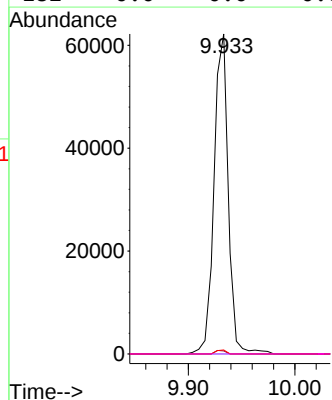
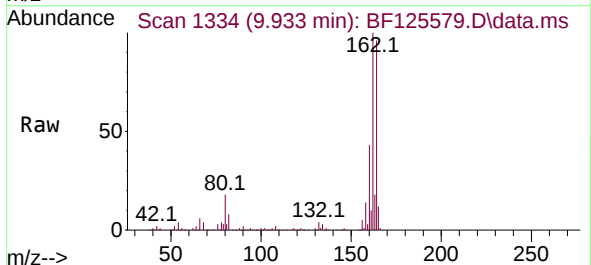
Instrument :  
BNA\_F  
ClientSampleId :  
T1-T2-CONCRETE

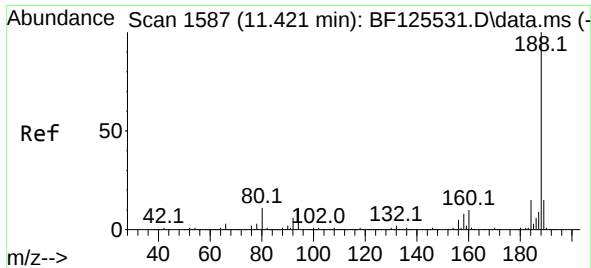
Tgt Ion:165 Resp: 57545  
Ion Ratio Lower Upper  
165 100  
63 0.9 42.6 63.8#  
89 1.3 40.6 60.8#



#57  
2,4-Dinitrotoluene  
Concen: 7.881 ng  
RT: 9.933 min Scan# 1334  
Delta R.T. -0.188 min  
Lab File: BF125579.D  
Acq: 23 Sep 2021 2:03

Tgt Ion:165 Resp: 57546  
Ion Ratio Lower Upper  
165 100  
63 0.9 40.9 61.3#  
89 1.3 59.7 89.5#  
182 0.0 0.0 0.0

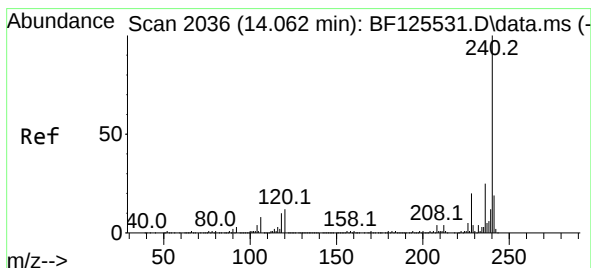
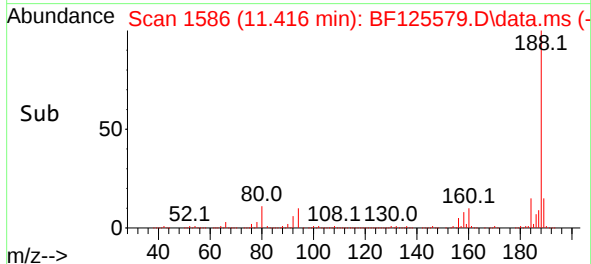
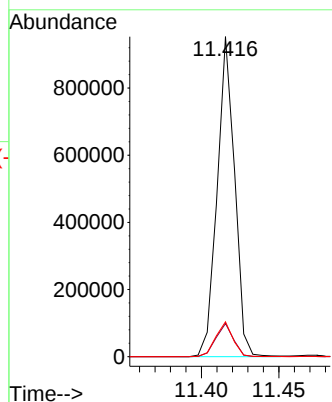
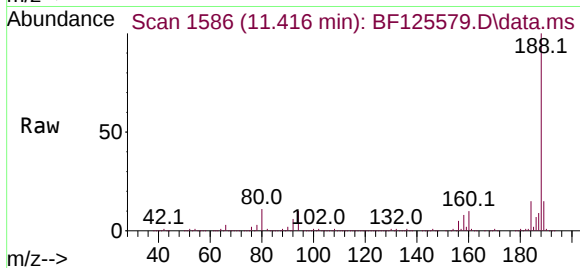




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: BF125579.D  
Acq: 23 Sep 2021 2:03

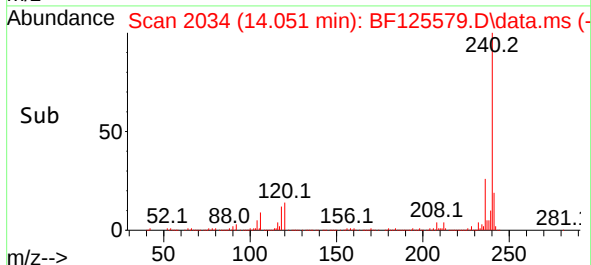
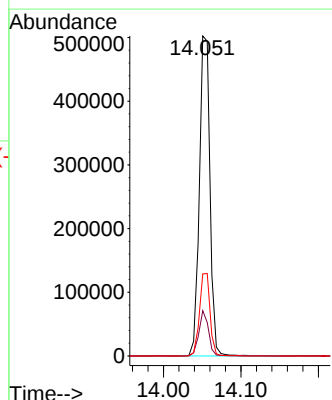
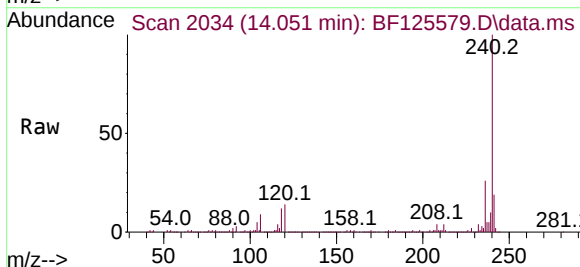
Instrument :  
BNA\_F  
ClientSampleId :  
T1-T2-CONCRETE

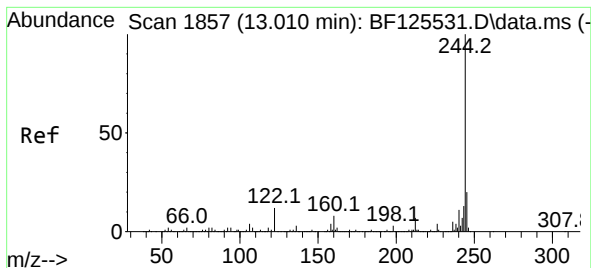
Tgt Ion:188 Resp: 748072  
Ion Ratio Lower Upper  
188 100  
94 10.4 6.7 10.1#  
80 10.9 7.5 11.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2034  
Delta R.T. -0.012 min  
Lab File: BF125579.D  
Acq: 23 Sep 2021 2:03

Tgt Ion:240 Resp: 477092  
Ion Ratio Lower Upper  
240 100  
120 14.1 10.8 16.2  
236 25.6 21.6 32.4





#79

Terphenyl-d14

Concen: 58.199 ng

RT: 13.004 min Scan# 1856

Delta R.T. -0.006 min

Lab File: BF125579.D

Acq: 23 Sep 2021 2:03

Instrument :

BNA\_F

ClientSampleId :

T1-T2-CONCRETE

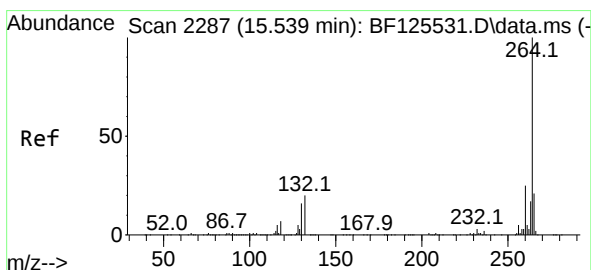
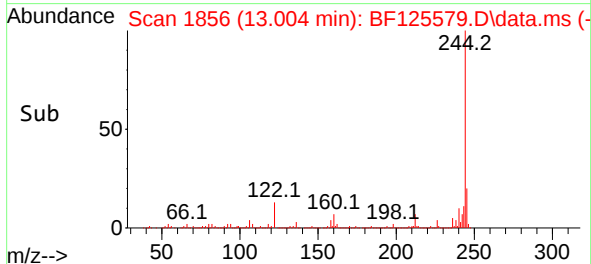
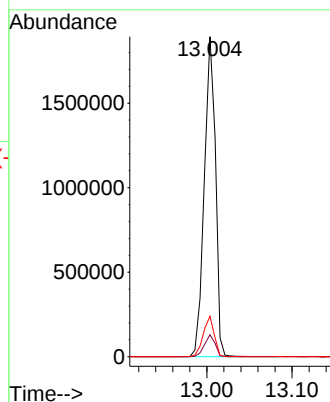
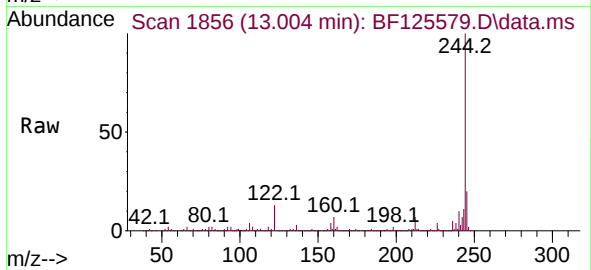
Tgt Ion:244 Resp: 1719482

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

122 12.6 9.0 13.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2286

Delta R.T. -0.006 min

Lab File: BF125579.D

Acq: 23 Sep 2021 2:03

Tgt Ion:264 Resp: 406158

Ion Ratio Lower Upper

264 100

260 24.1 19.6 29.4

265 21.8 17.2 25.8

