

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF041521\  
 Data File : BF123580.D  
 Acq On : 15 Apr 2021 22:00  
 Operator : JU/CG  
 Sample : M2049-04  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-08-7.5-8.0

Quant Time: Apr 16 00:31:11 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF041521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 15 15:43:17 2021  
 Response via : Initial Calibration

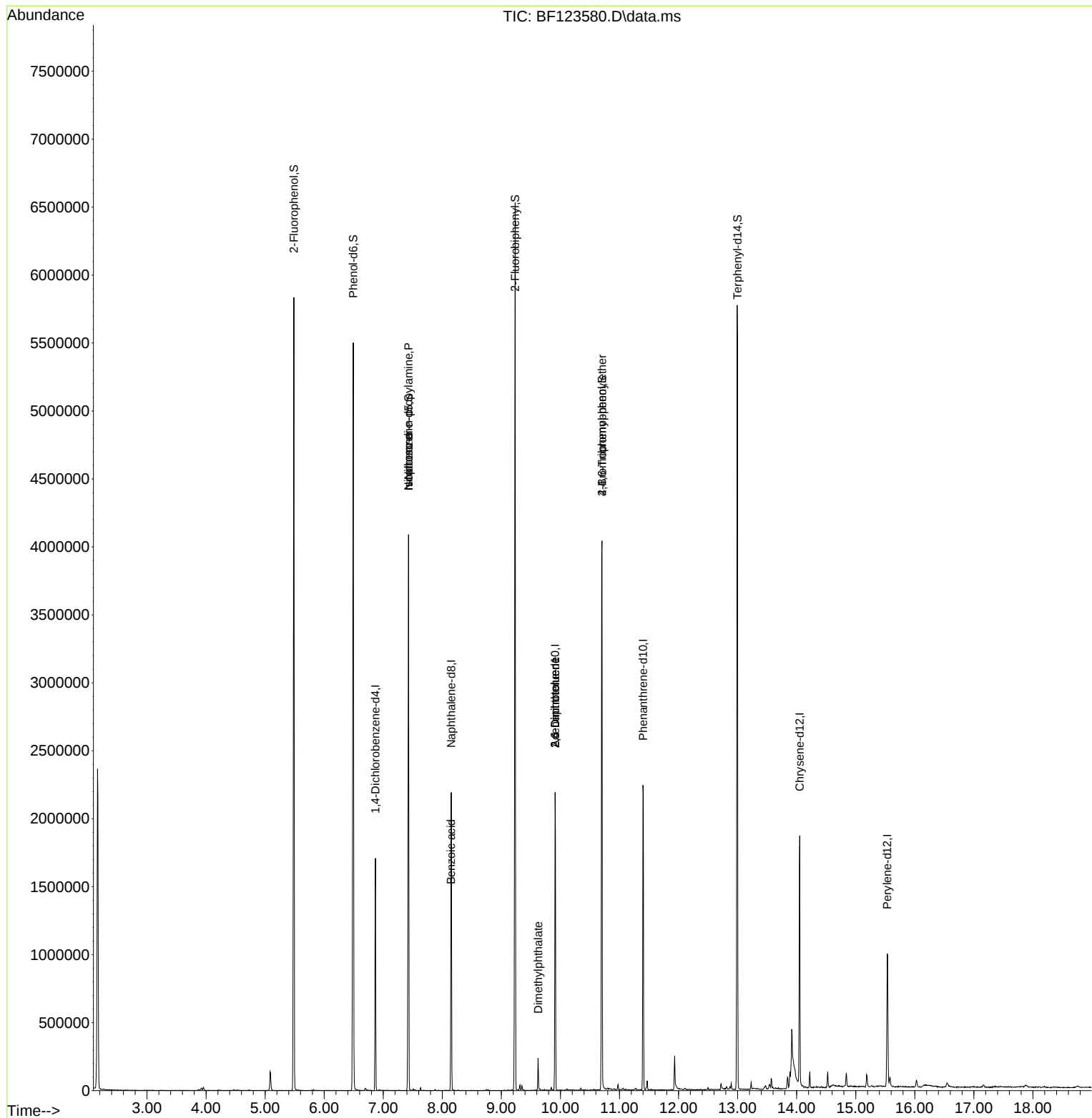
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 214381   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 846617   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 415509   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 812588   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 631596   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.533 | 264  | 473677   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 1268845  | 95.66  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.492  | 99   | 1659307  | 90.28  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.428  | 82   | 1185276  | 64.36  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 480654   | 102.15 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 1868180  | 67.02  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 1958763  | 60.28  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.428  | 70   | 160759   | 13.20  | ng    | # 74     |
| 25) Isophorone                | 7.428  | 82   | 1185258  | 33.17  | ng    | # 69     |
| 32) Benzoic acid              | 8.145  | 122  | 232      | 4.57   | ng    | # 1      |
| 50) Dimethylphthalate         | 9.622  | 163  | 70765    | 2.47   | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.910  | 165  | 52410    | 8.32   | ng    | # 12     |
| 57) 2,4-Dinitrotoluene        | 9.910  | 165  | 52410    | 6.23   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.704 | 248  | 27224    | 3.20   | ng    | # 1      |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 456      | Below  | Cal   | # 60     |
| -----                         |        |      |          |        |       |          |

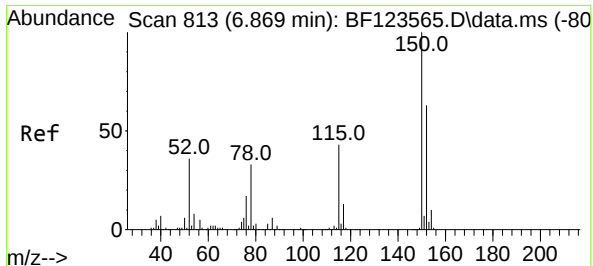
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF041521\  
Data File : BF123580.D  
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Sample : M2049-04  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-08-7.5-8.0

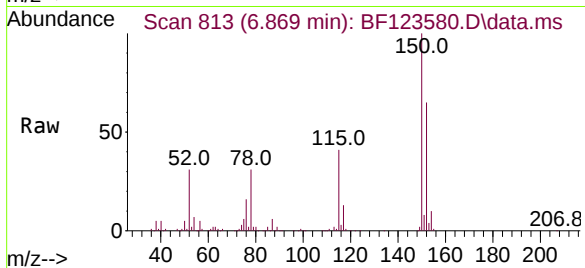
Quant Time: Apr 16 00:31:11 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF041521.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 15 15:43:17 2021  
Response via : Initial Calibration



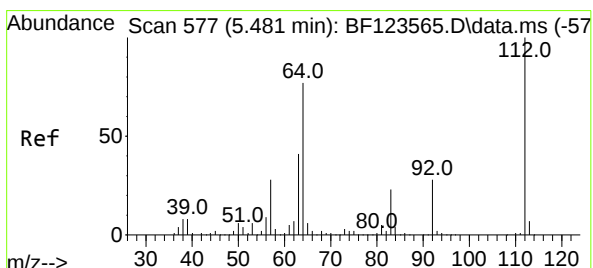
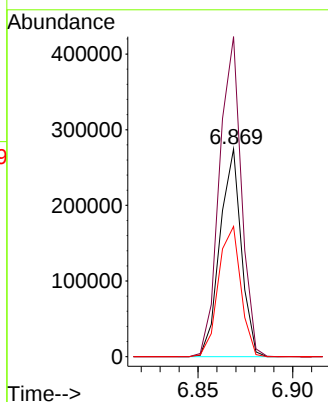
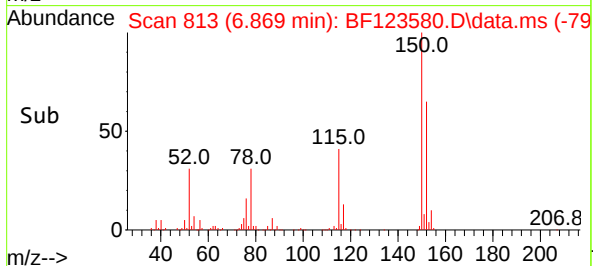


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.869 min Scan# 813  
Delta R.T. -0.000 min  
Lab File: BF123580.D  
Acq: 15 Apr 2021 22:00

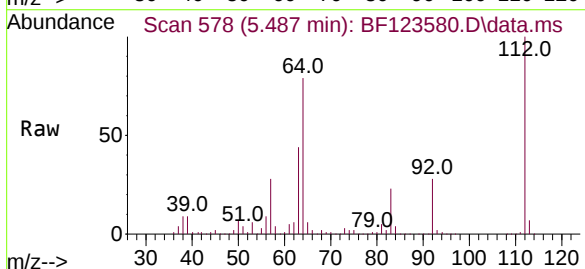
Instrument :  
BNA\_F  
ClientSampleId :  
SB-08-7.5-8.0



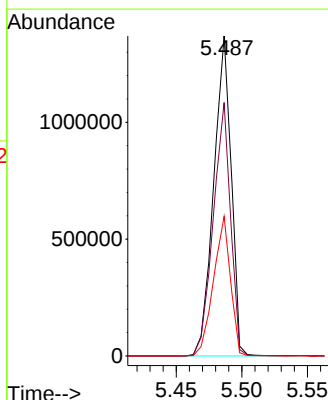
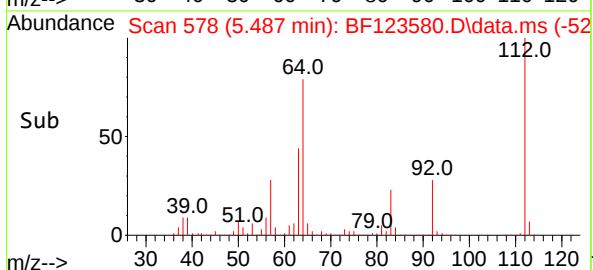
Tgt Ion:152 Resp: 214381  
Ion Ratio Lower Upper  
152 100  
150 154.1 127.0 190.6  
115 62.7 54.3 81.5

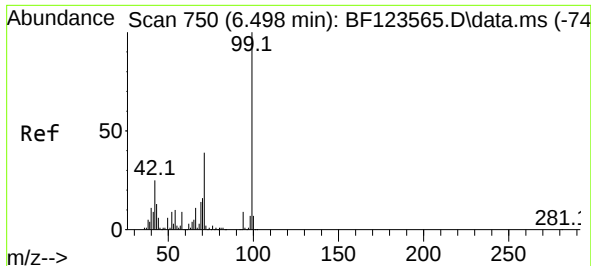


#5  
2-Fluorophenol  
Concen: 95.66 ng  
RT: 5.487 min Scan# 578  
Delta R.T. 0.006 min  
Lab File: BF123580.D  
Acq: 15 Apr 2021 22:00



Tgt Ion:112 Resp: 1268845  
Ion Ratio Lower Upper  
112 100  
64 79.2 61.4 92.0  
63 43.6 33.0 49.4



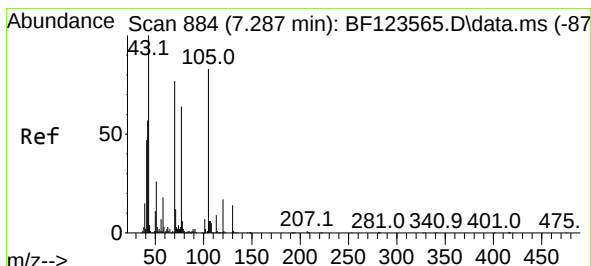
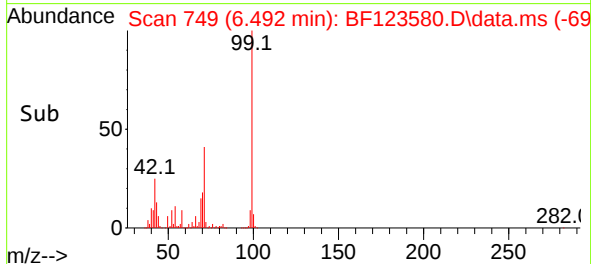
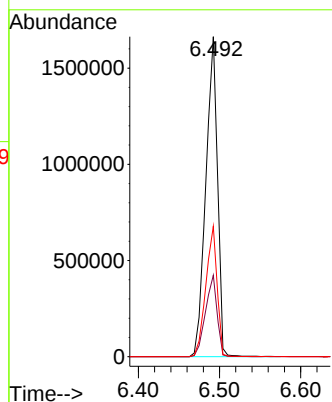
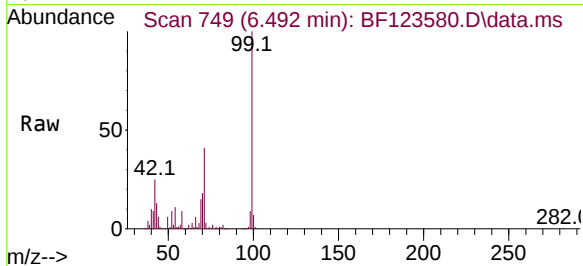


#7  
Phenol-d6  
Concen: 90.28 ng  
RT: 6.492 min Scan# 749  
Delta R.T. -0.006 min  
Lab File: BF123580.D  
Acq: 15 Apr 2021 22:00

Instrument :  
BNA\_F  
ClientSampleId :  
SB-08-7.5-8.0

Tgt Ion: 99 Resp: 1659307  

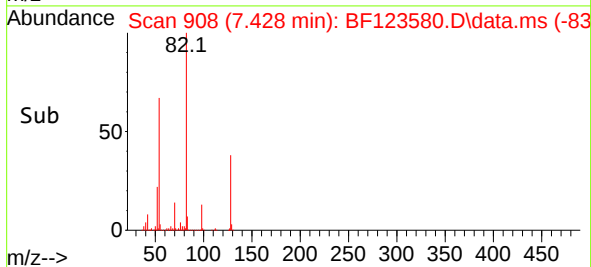
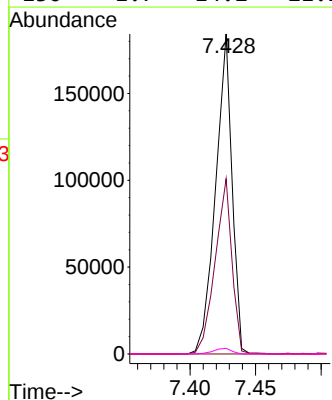
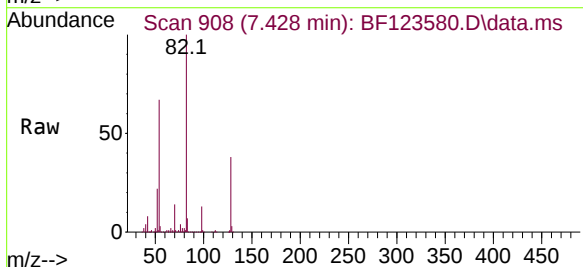
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 25.4  | 19.8  | 29.8  |
| 71  | 40.7  | 31.1  | 46.7  |



#19  
n-Nitroso-di-n-propylamine  
Concen: 13.20 ng  
RT: 7.428 min Scan# 908  
Delta R.T. 0.141 min  
Lab File: BF123580.D  
Acq: 15 Apr 2021 22:00

Tgt Ion: 70 Resp: 160759  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 54.8  | 60.1  | 90.1# |
| 101 | 0.0   | 7.4   | 11.2# |
| 130 | 1.7   | 14.2  | 21.2# |

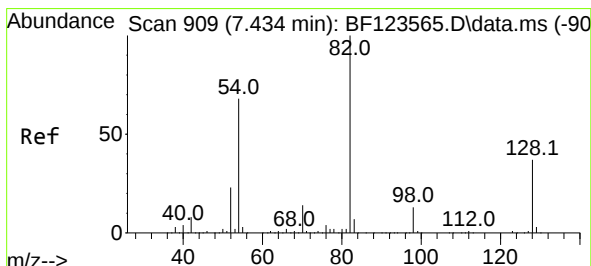
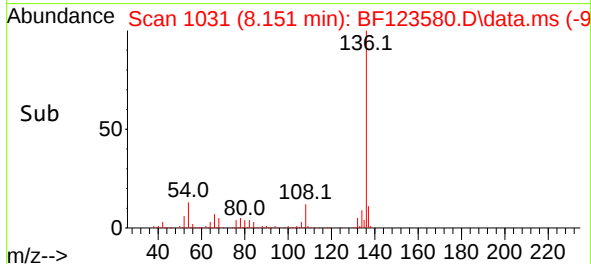
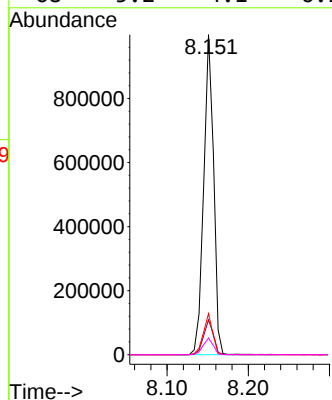
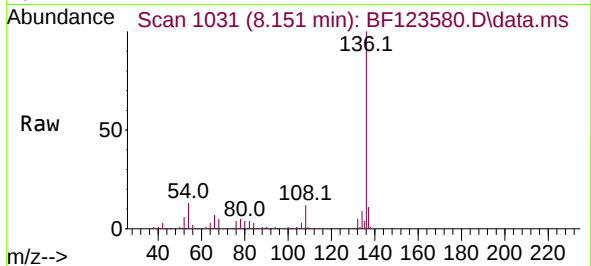




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.151 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF123580.D  
Acq: 15 Apr 2021 22:00

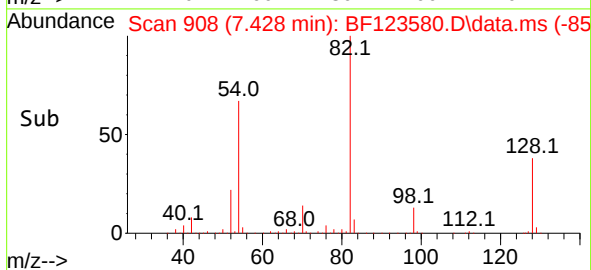
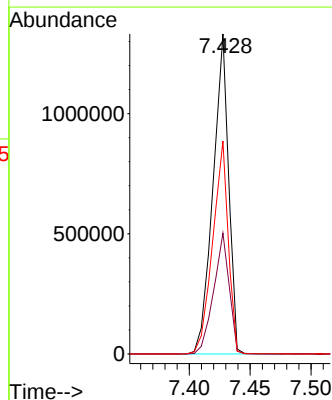
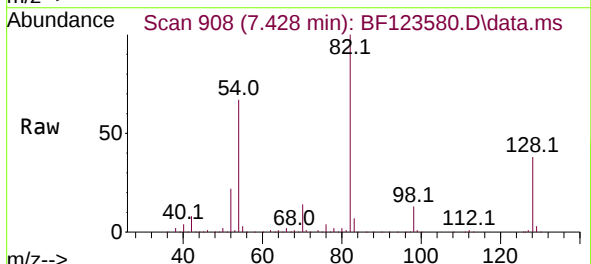
Instrument :  
BNA\_F  
ClientSampleId :  
SB-08-7.5-8.0

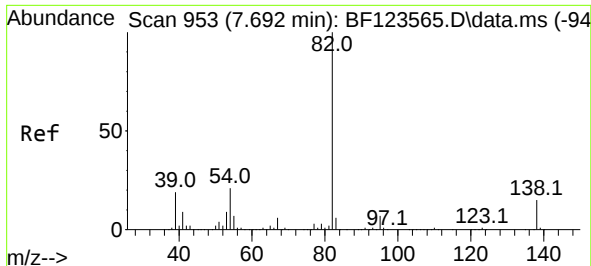
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 846617 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.9  | 8.7   | 13.1   |
| 54        | 12.8  | 9.8   | 14.6   |
| 68        | 5.2   | 4.1   | 6.1    |



#23  
Nitrobenzene-d5  
Concen: 64.36 ng  
RT: 7.428 min Scan# 908  
Delta R.T. -0.006 min  
Lab File: BF123580.D  
Acq: 15 Apr 2021 22:00

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 82    | Resp: | 1185276 |
| Ion Ratio | Lower | Upper |         |
| 82        | 100   |       |         |
| 128       | 37.8  | 29.4  | 44.2    |
| 54        | 66.6  | 54.1  | 81.1    |

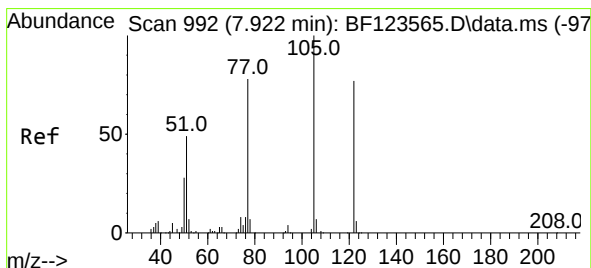
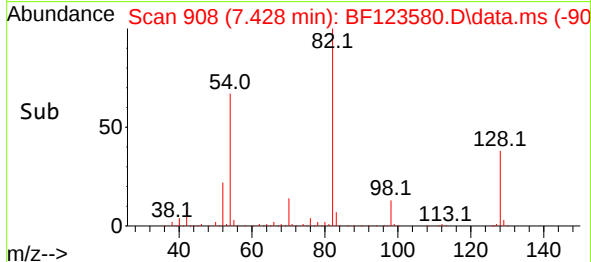
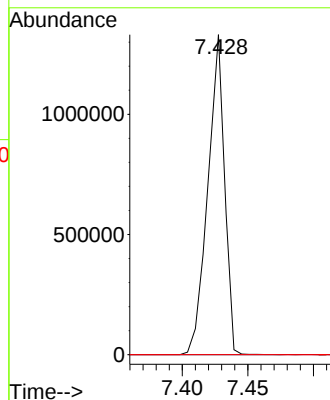
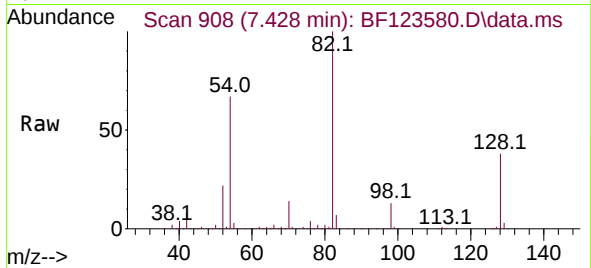




#25  
Isophorone  
Concen: 33.17 ng  
RT: 7.428 min Scan# 908  
Delta R.T. -0.265 min  
Lab File: BF123580.D  
Acq: 15 Apr 2021 22:00

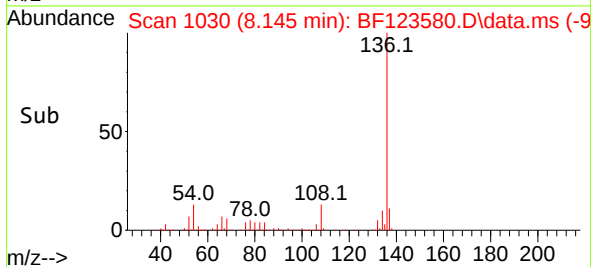
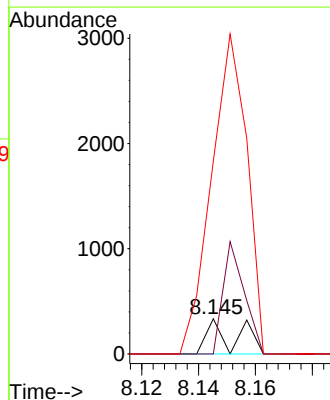
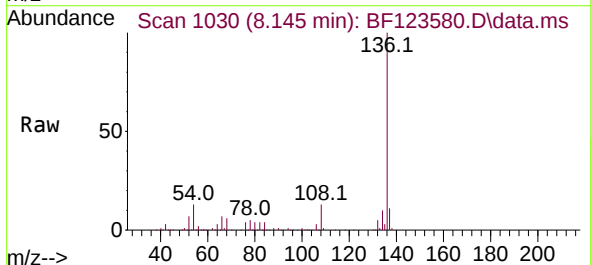
Instrument :  
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SB-08-7.5-8.0

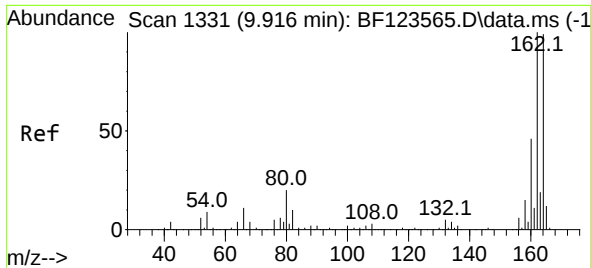
Tgt Ion: 82 Resp: 1185258  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.6#  
138 0.0 11.8 17.8#



#32  
Benzoic acid  
Concen: 4.57 ng  
RT: 8.145 min Scan# 1030  
Delta R.T. 0.223 min  
Lab File: BF123580.D  
Acq: 15 Apr 2021 22:00

Tgt Ion:122 Resp: 232  
Ion Ratio Lower Upper  
122 100  
105 0.0 107.8 147.8#  
77 546.9 81.6 121.6#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.910 min Scan# 1330

Delta R.T. -0.006 min

Lab File: BF123580.D

Acq: 15 Apr 2021 22:00

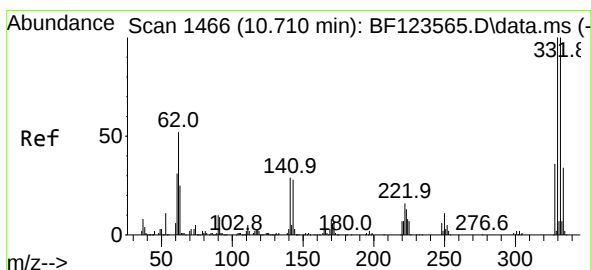
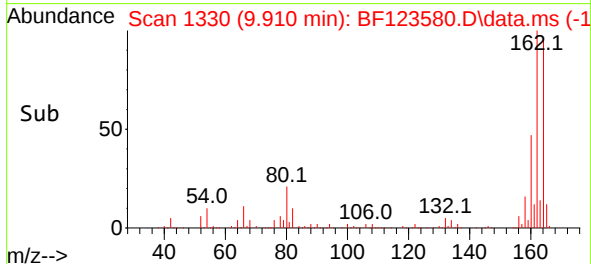
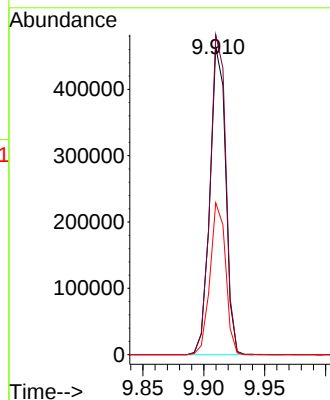
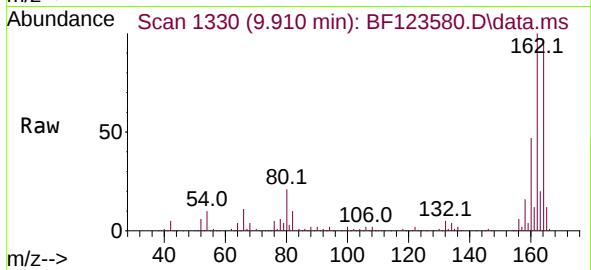
Tgt Ion:164 Resp: 415509

Ion Ratio Lower Upper

164 100

162 104.0 80.7 121.1

160 49.3 37.3 55.9



#42

2,4,6-Tribromophenol

Concen: 102.15 ng

RT: 10.704 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF123580.D

Acq: 15 Apr 2021 22:00

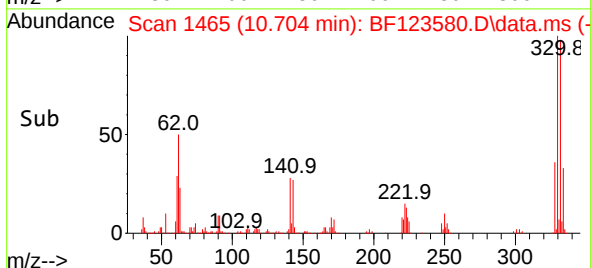
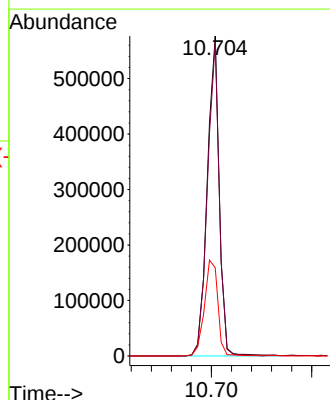
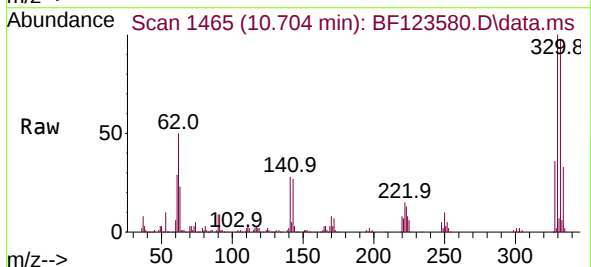
Tgt Ion:330 Resp: 480654

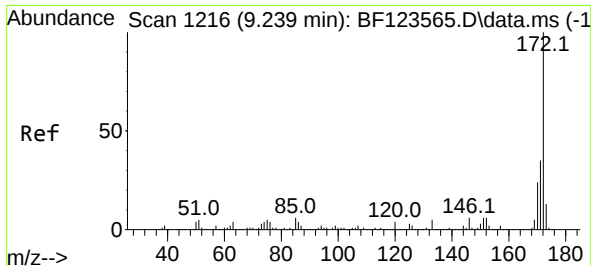
Ion Ratio Lower Upper

330 100

332 97.2 77.1 115.7

141 33.6 27.9 41.9

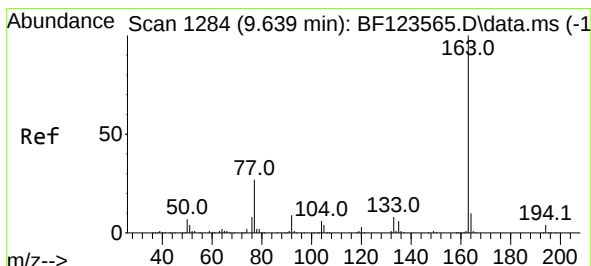
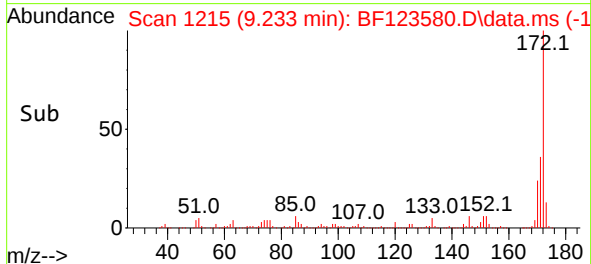
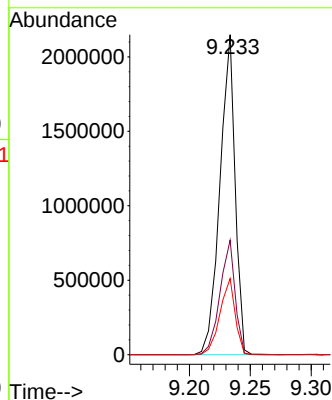
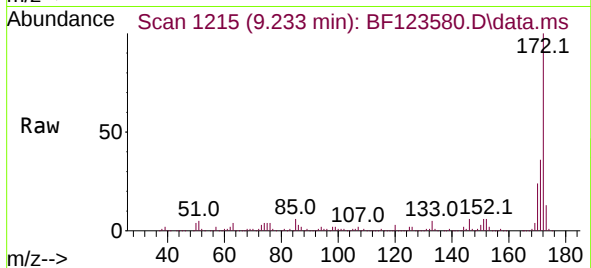




#45  
2-Fluorobiphenyl  
Concen: 67.02 ng  
RT: 9.233 min Scan# 1215  
Delta R.T. -0.006 min  
Lab File: BF123580.D  
Acq: 15 Apr 2021 22:00

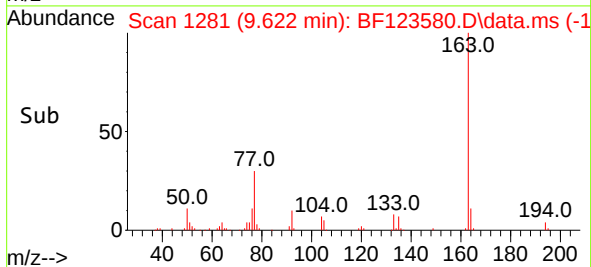
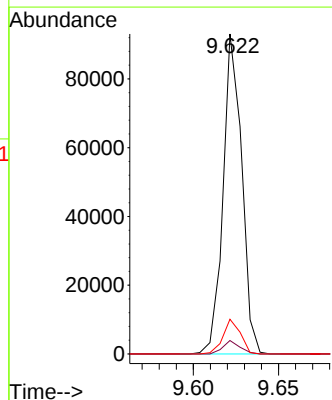
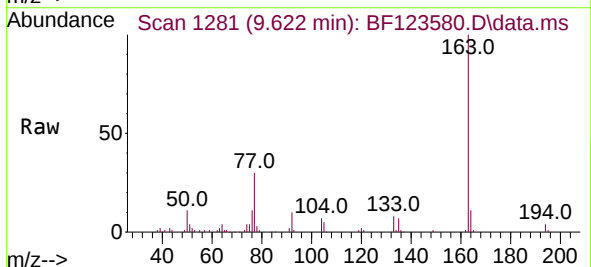
Instrument :  
BNA\_F  
ClientSampleId :  
SB-08-7.5-8.0

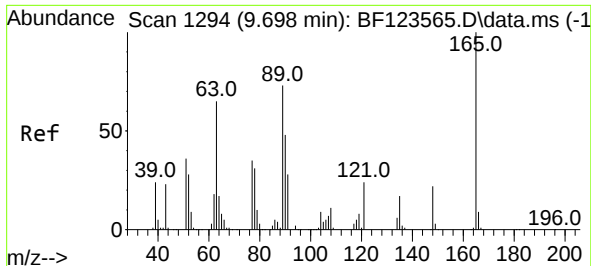
Tgt Ion:172 Resp: 1868180  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.1 42.1  
170 23.8 19.2 28.8



#50  
Dimethylphthalate  
Concen: 2.47 ng  
RT: 9.622 min Scan# 1281  
Delta R.T. -0.018 min  
Lab File: BF123580.D  
Acq: 15 Apr 2021 22:00

Tgt Ion:163 Resp: 70765  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.1 4.7  
164 10.8 8.2 12.2

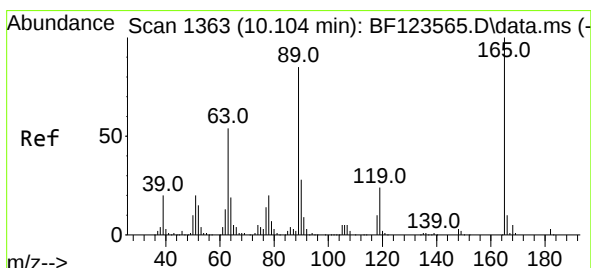
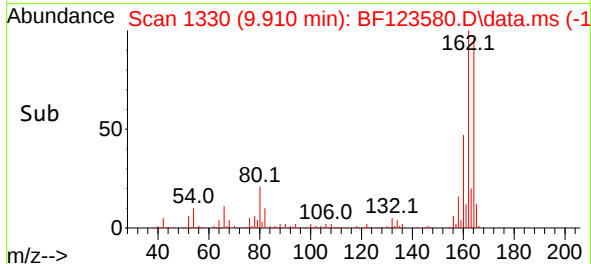
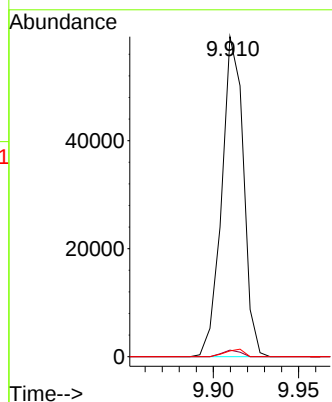
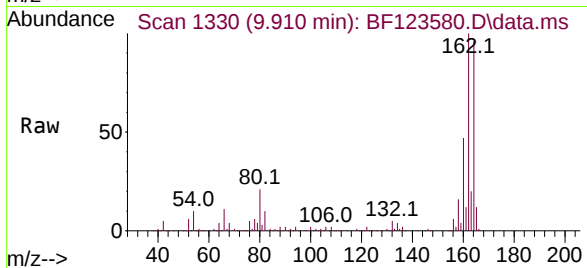




#51  
2,6-Dinitrotoluene  
Concen: 8.32 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. 0.212 min  
Lab File: BF123580.D  
Acq: 15 Apr 2021 22:00

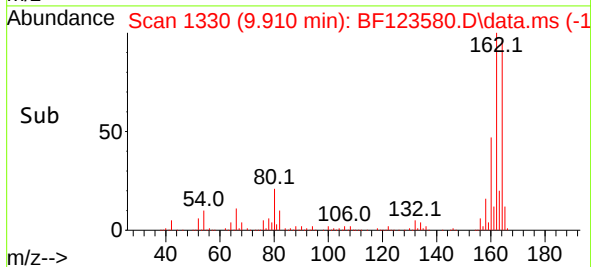
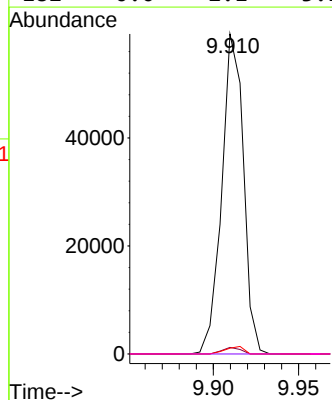
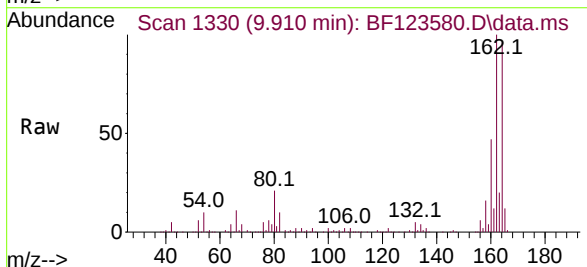
Instrument :  
BNA\_F  
ClientSampleId :  
SB-08-7.5-8.0

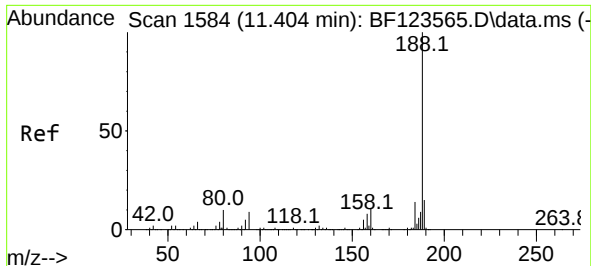
Tgt Ion:165 Resp: 52410  
Ion Ratio Lower Upper  
165 100  
63 2.1 67.7 101.5#  
89 1.8 58.8 88.2#



#57  
2,4-Dinitrotoluene  
Concen: 6.23 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. -0.194 min  
Lab File: BF123580.D  
Acq: 15 Apr 2021 22:00

Tgt Ion:165 Resp: 52410  
Ion Ratio Lower Upper  
165 100  
63 2.1 43.5 65.3#  
89 1.8 67.7 101.5#  
182 0.0 2.1 3.1#

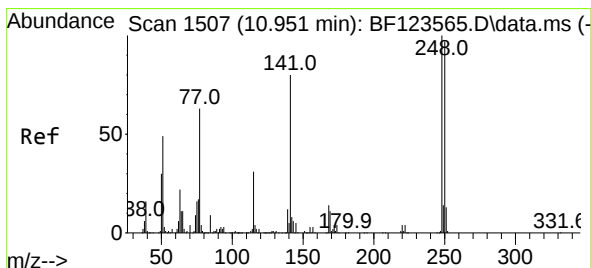
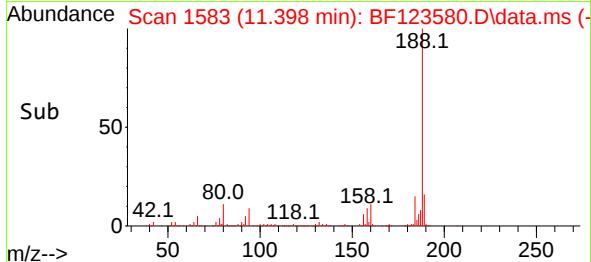
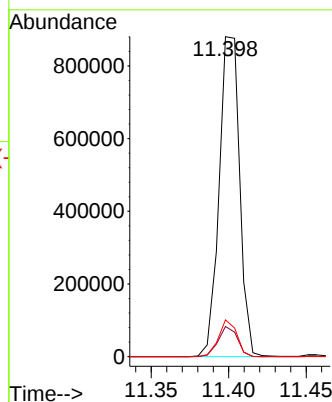
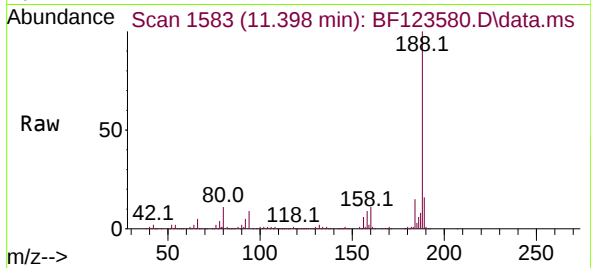




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.398 min Scan# 1583  
Delta R.T. -0.006 min  
Lab File: BF123580.D  
Acq: 15 Apr 2021 22:00

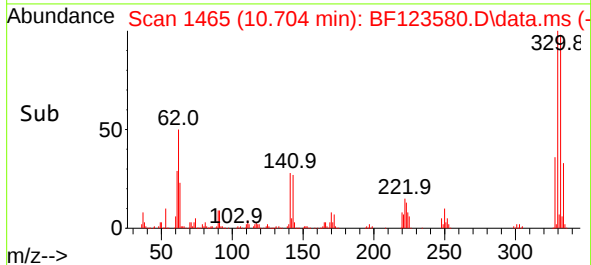
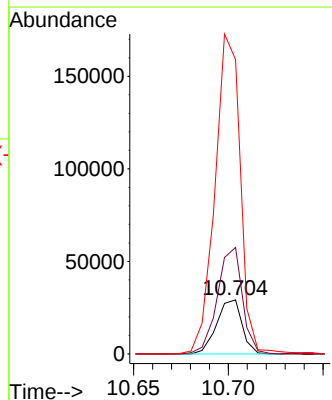
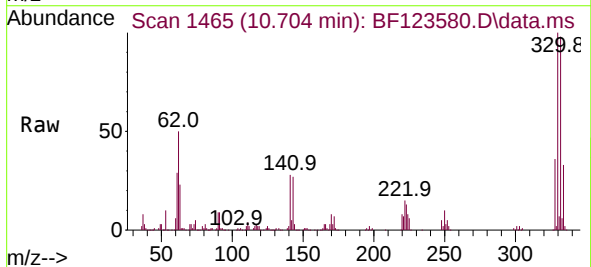
Instrument :  
BNA\_F  
ClientSampleID :  
SB-08-7.5-8.0

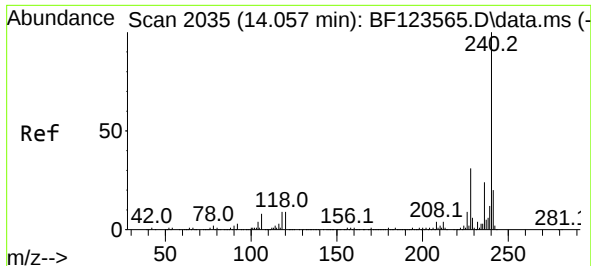
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:188 | Resp: | 812588   |
| Ion Ratio   | Lower | Upper    |
| 188         | 100   |          |
| 94          | 9.4   | 6.9 10.3 |
| 80          | 11.5  | 8.2 12.2 |



#67  
4-Bromophenyl-phenylether  
Concen: 3.20 ng  
RT: 10.704 min Scan# 1465  
Delta R.T. -0.247 min  
Lab File: BF123580.D  
Acq: 15 Apr 2021 22:00

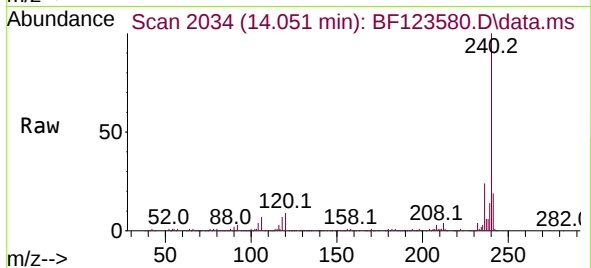
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:248 | Resp: | 27224       |
| Ion Ratio   | Lower | Upper       |
| 248         | 100   |             |
| 250         | 197.1 | 77.4 116.2# |
| 141         | 544.8 | 63.7 95.5#  |



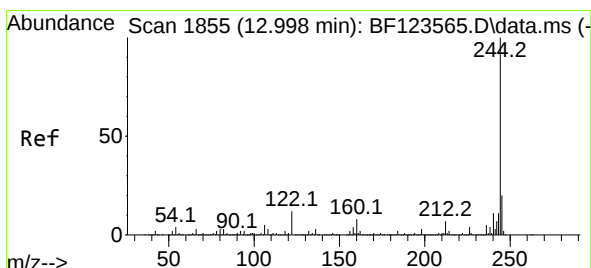
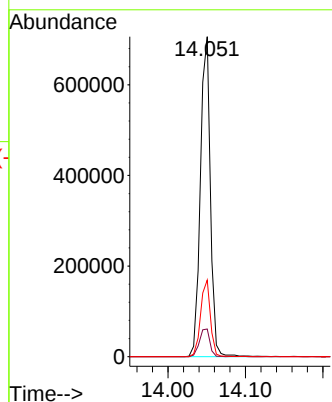
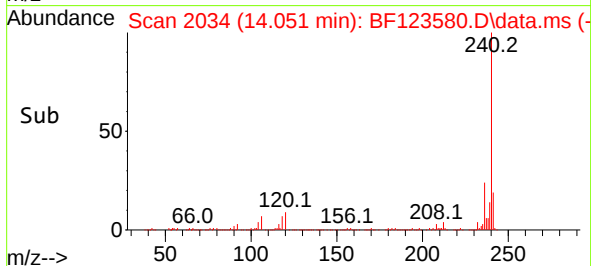


#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.051 min Scan# 2034  
Delta R.T. -0.006 min  
Lab File: BF123580.D  
Acq: 15 Apr 2021 22:00

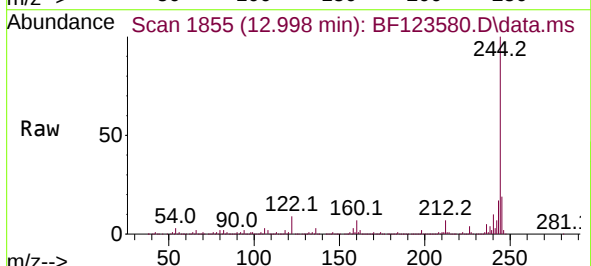
Instrument :  
BNA\_F  
ClientSampleId :  
SB-08-7.5-8.0



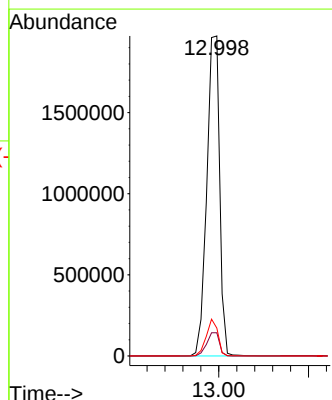
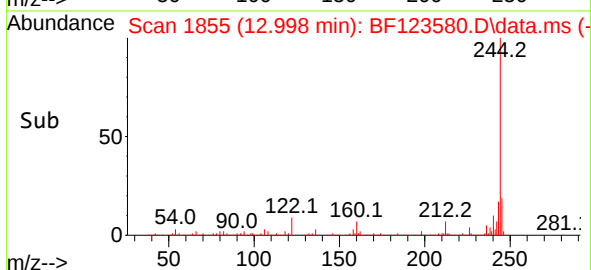
Tgt Ion:240 Resp: 631596  
Ion Ratio Lower Upper  
240 100  
120 8.6 7.2 10.8  
236 23.9 19.0 28.4

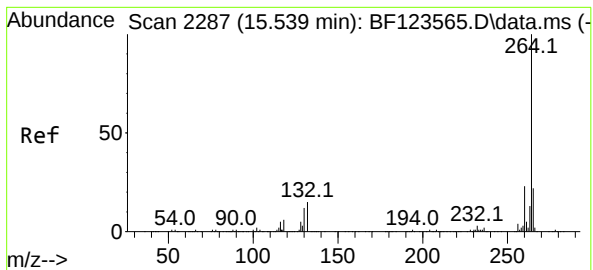


#79  
Terphenyl-d14  
Concen: 60.28 ng  
RT: 12.998 min Scan# 1855  
Delta R.T. -0.000 min  
Lab File: BF123580.D  
Acq: 15 Apr 2021 22:00



Tgt Ion:244 Resp: 1958763  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.7 8.5  
122 8.7 9.7 14.5#





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.533 min Scan# 2286  
 Delta R.T. -0.006 min  
 Lab File: BF123580.D  
 Acq: 15 Apr 2021 22:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-08-7.5-8.0

Tgt Ion:264 Resp: 473677

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.5  | 18.7  | 28.1  |
| 265 | 21.9  | 17.8  | 26.8  |

