

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF032921\  
 Data File : BF123507.D  
 Acq On : 29 Mar 2021 21:24  
 Operator : JU/CG  
 Sample : M1791-19  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EXTERIOR-SLAB-BRICK-2

Quant Time: Mar 30 00:34:44 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF032321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 26 12:51:59 2021  
 Response via : Initial Calibration

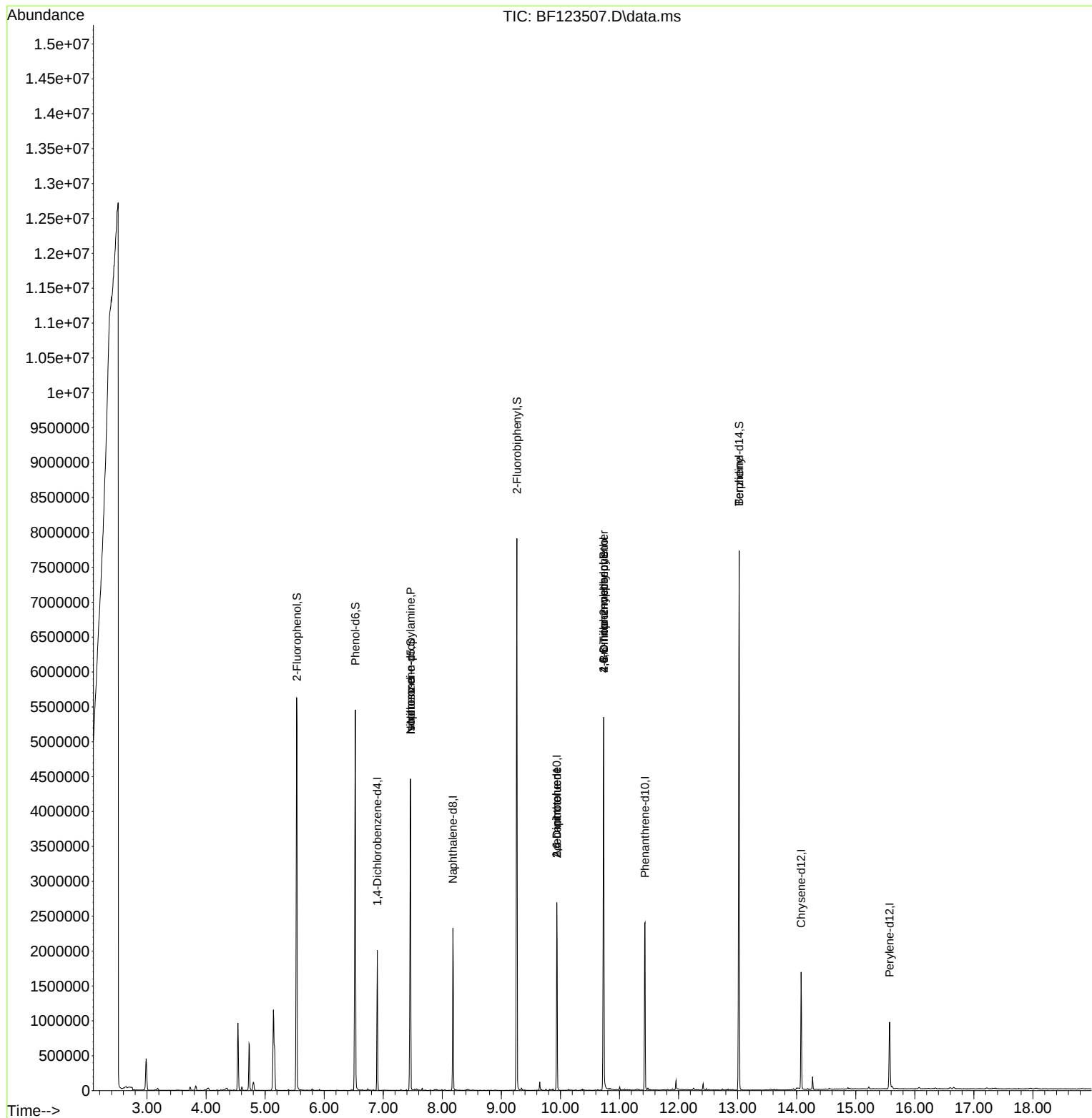
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.898  | 152  | 262595   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.180  | 136  | 962379   | 20.00     | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.939  | 164  | 527900   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.433 | 188  | 927105   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12              | 14.074 | 240  | 559646   | 20.00     | ng    | -0.01    |
| 86) Perylene-d12              | 15.574 | 264  | 460478   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.539  | 112  | 1549912  | 96.56     | ng    | 0.02     |
| 7) Phenol-d6                  | 6.528  | 99   | 1797780  | 84.14     | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.463  | 82   | 1416949  | 79.46     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.733 | 330  | 693999   | 117.59    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.263  | 172  | 2475936  | 67.00     | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.027 | 244  | 2674581  | 80.99     | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.445  | 77   | 1289     | Below Cal | #     | 74       |
| 19) n-Nitroso-di-n-propyla... | 7.463  | 70   | 196085   | 14.19     | ng    | # 82     |
| 25) Isophorone                | 7.463  | 82   | 1416936  | 36.96     | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.939  | 165  | 67784    | 8.65      | ng    | # 31     |
| 57) 2,4-Dinitrotoluene        | 9.939  | 165  | 67784    | 6.93      | ng    | # 25     |
| 65) 4,6-Dinitro-2-methylph... | 10.733 | 198  | 1343     | 5.36      | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.733 | 248  | 41287    | 3.76      | ng    | # 1      |
| 77) Benzidine                 | 13.027 | 184  | 36330    | 2.18      | ng    | 98       |
| -----                         |        |      |          |           |       |          |

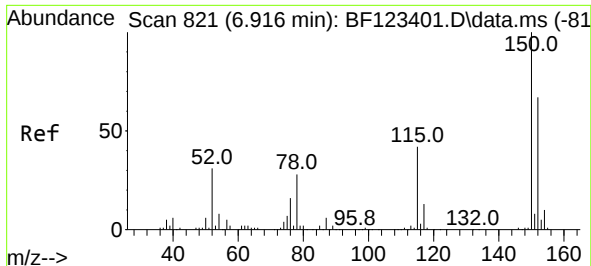
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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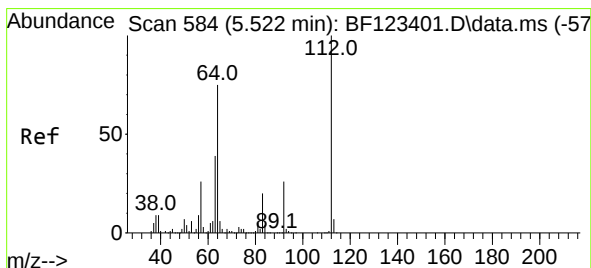
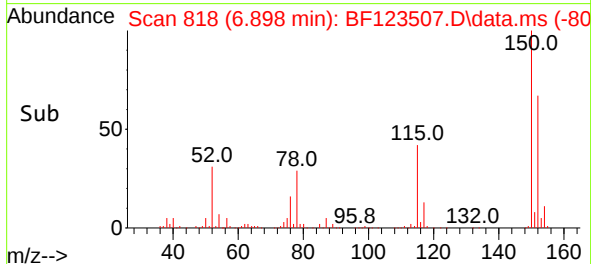
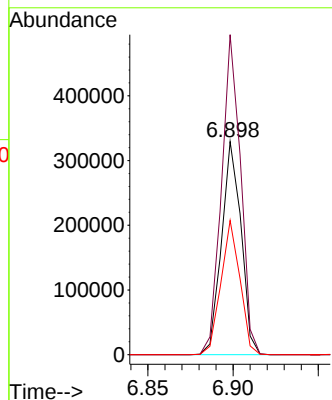
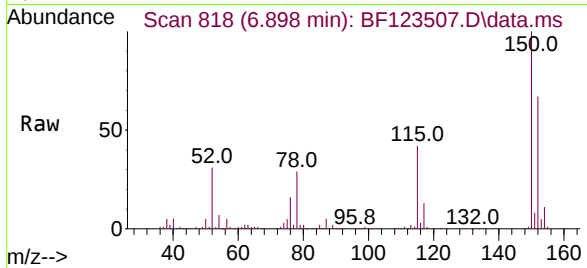




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.898 min Scan# 818  
 Delta R.T. 0.000 min  
 Lab File: BF123507.D  
 Acq: 29 Mar 2021 21:24

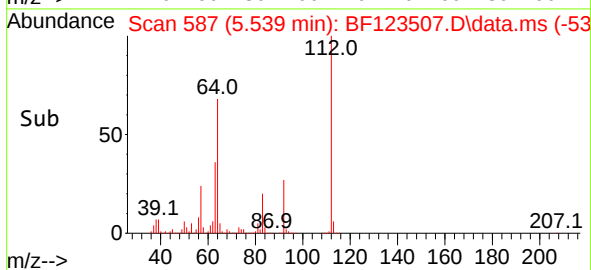
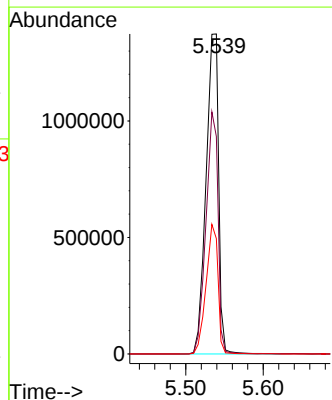
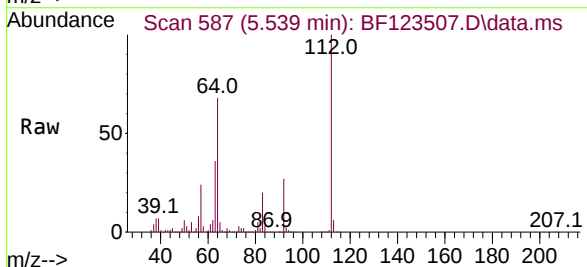
Instrument :  
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 ClientSampleId :  
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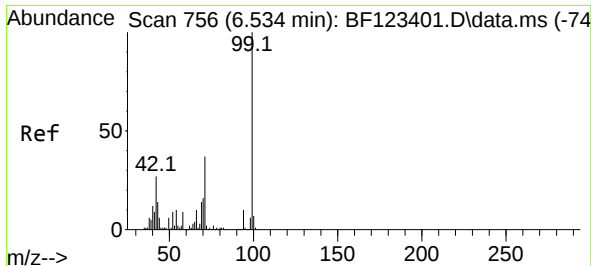
Tgt Ion:152 Resp: 262595  
 Ion Ratio Lower Upper  
 152 100  
 150 150.2 125.8 188.6  
 115 63.0 49.3 73.9



#5  
 2-Fluorophenol  
 Concen: 96.56 ng  
 RT: 5.539 min Scan# 587  
 Delta R.T. 0.024 min  
 Lab File: BF123507.D  
 Acq: 29 Mar 2021 21:24

Tgt Ion:112 Resp: 1549912  
 Ion Ratio Lower Upper  
 112 100  
 64 67.9 46.9 70.3  
 63 36.0 24.5 36.7

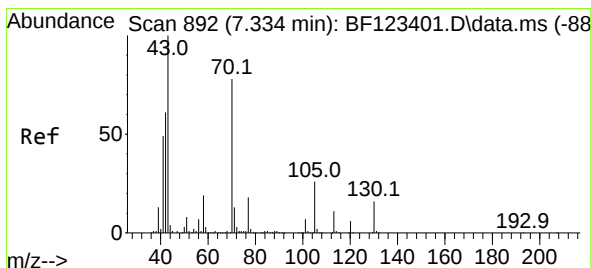
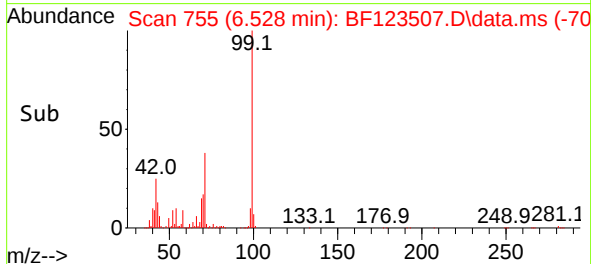
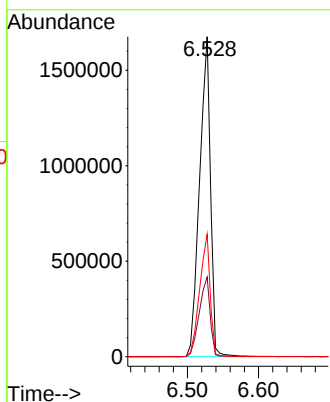
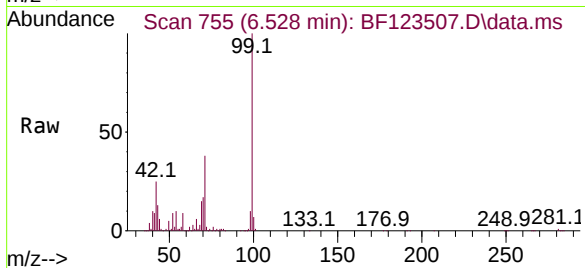




#7  
Phenol-d6  
Concen: 84.14 ng  
RT: 6.528 min Scan# 755  
Delta R.T. 0.000 min  
Lab File: BF123507.D  
Acq: 29 Mar 2021 21:24

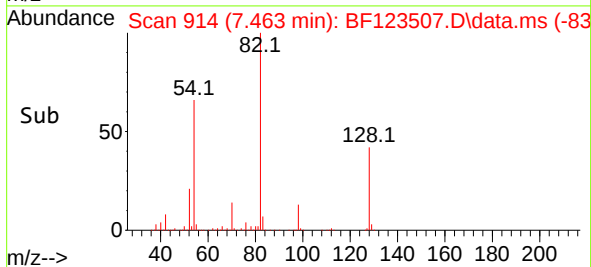
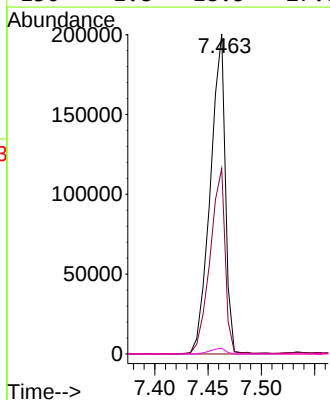
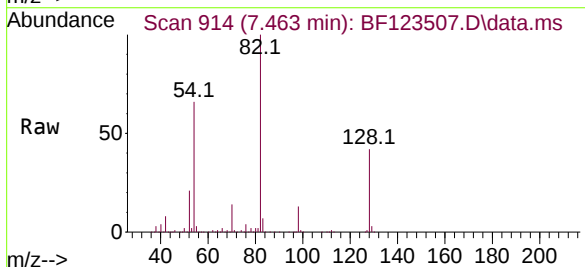
Instrument :  
BNA\_F  
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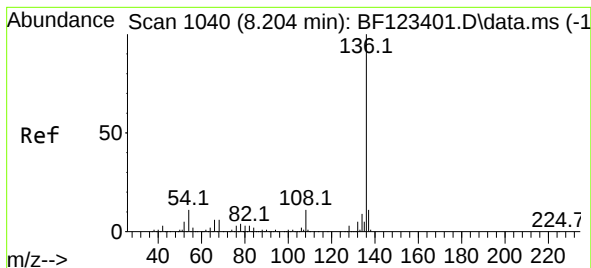
Tgt Ion: 99 Resp: 1797780  
Ion Ratio Lower Upper  
99 100  
42 24.9 13.8 20.6#  
71 38.2 26.9 40.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.19 ng  
RT: 7.463 min Scan# 914  
Delta R.T. 0.147 min  
Lab File: BF123507.D  
Acq: 29 Mar 2021 21:24

Tgt Ion: 70 Resp: 196085  
Ion Ratio Lower Upper  
70 100  
42 58.0 43.0 64.4  
101 0.0 7.9 11.9#  
130 1.8 18.5 27.7#

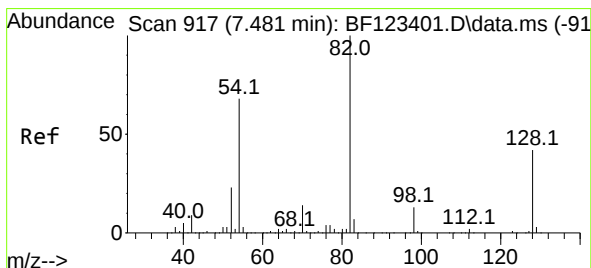
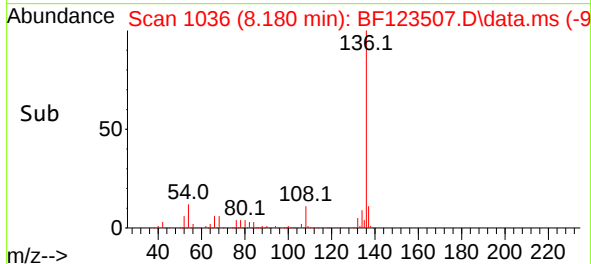
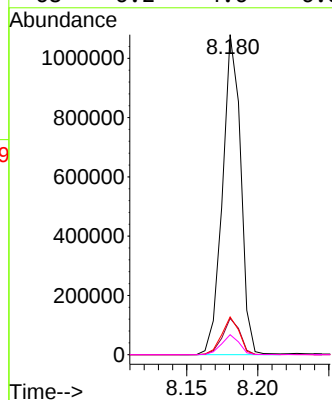
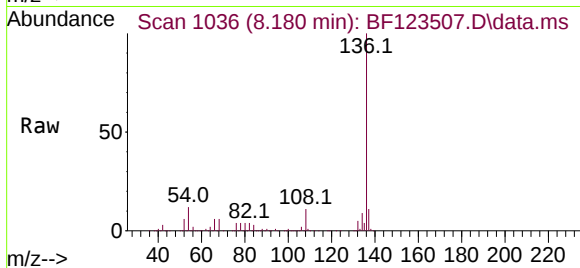




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.180 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: BF123507.D  
Acq: 29 Mar 2021 21:24

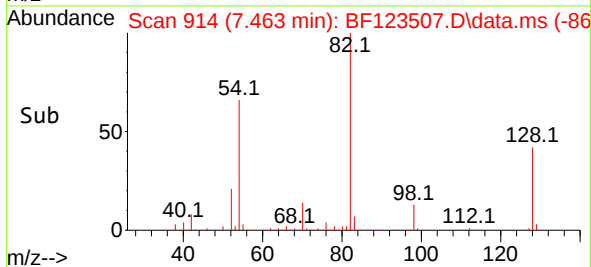
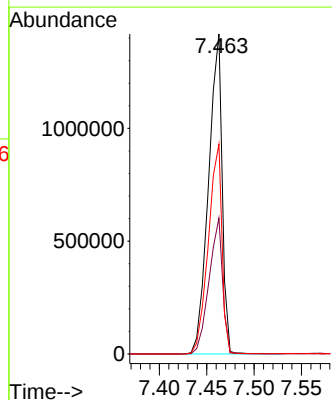
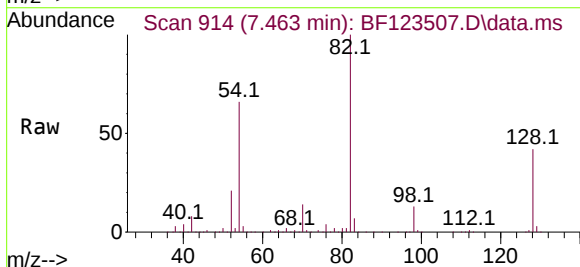
Instrument :  
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ClientSampleId :  
EXTERIOR-SLAB-BRICK-2

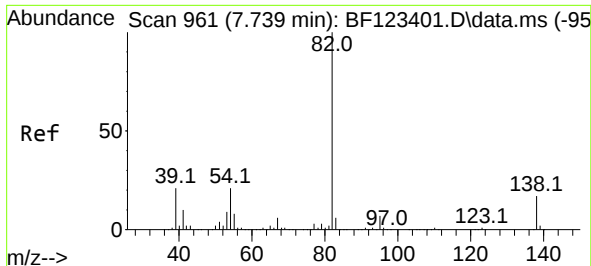
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 962379 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.3  | 8.8   | 13.2   |
| 54        | 11.8  | 5.5   | 8.3#   |
| 68        | 6.2   | 4.6   | 6.8    |



#23  
Nitrobenzene-d5  
Concen: 79.46 ng  
RT: 7.463 min Scan# 914  
Delta R.T. 0.000 min  
Lab File: BF123507.D  
Acq: 29 Mar 2021 21:24

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 82    | Resp: | 1416949 |
| Ion Ratio | Lower | Upper |         |
| 82        | 100   |       |         |
| 128       | 42.4  | 37.0  | 55.4    |
| 54        | 65.6  | 38.4  | 57.6#   |

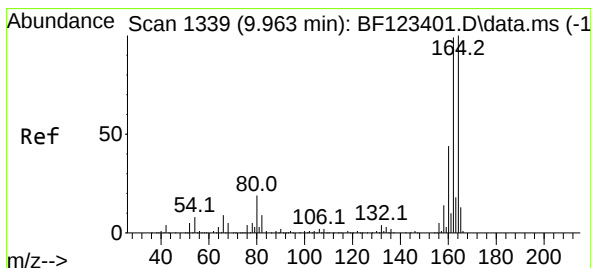
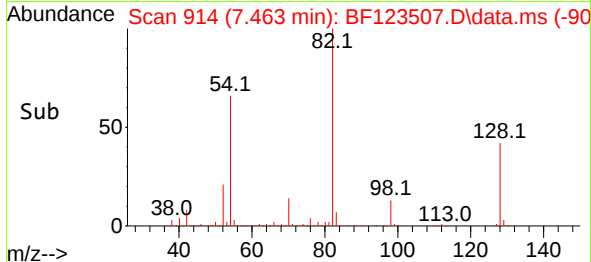
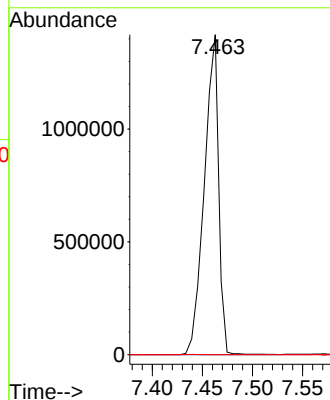
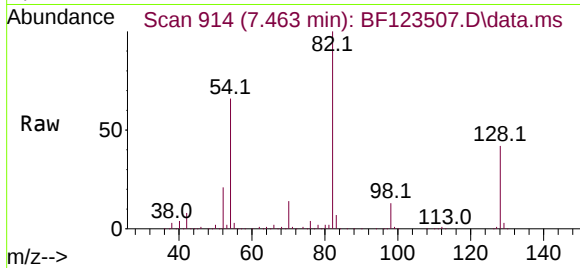




#25  
Isophorone  
Concen: 36.96 ng  
RT: 7.463 min Scan# 914  
Delta R.T. -0.259 min  
Lab File: BF123507.D  
Acq: 29 Mar 2021 21:24

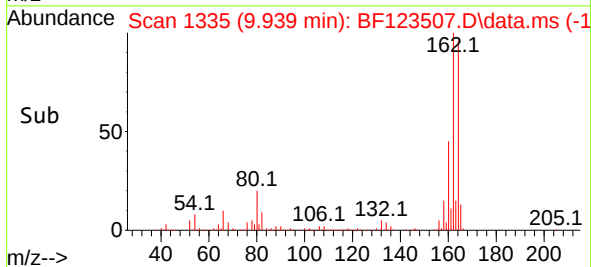
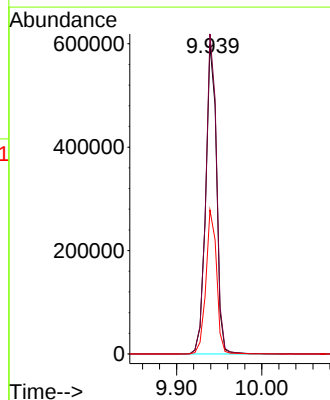
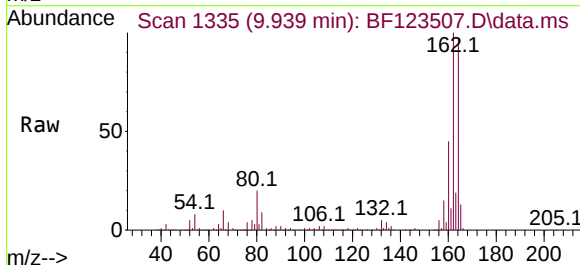
Instrument :  
BNA\_F  
ClientSampleId :  
EXTERIOR-SLAB-BRICK-2

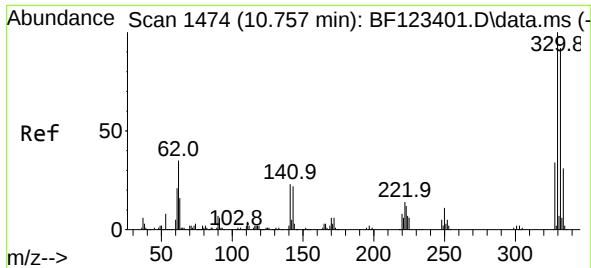
Tgt Ion: 82 Resp: 1416936  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.6#  
138 0.0 14.6 21.8#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.939 min Scan# 1335  
Delta R.T. -0.006 min  
Lab File: BF123507.D  
Acq: 29 Mar 2021 21:24

Tgt Ion:164 Resp: 527900  
Ion Ratio Lower Upper  
164 100  
162 103.4 80.8 121.2  
160 46.5 35.4 53.0

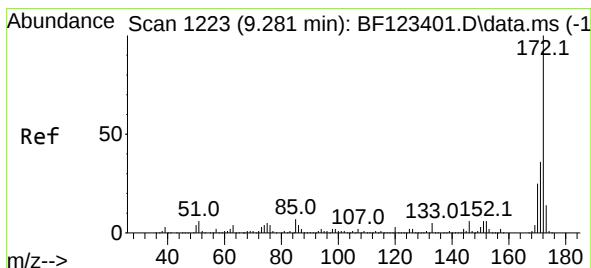
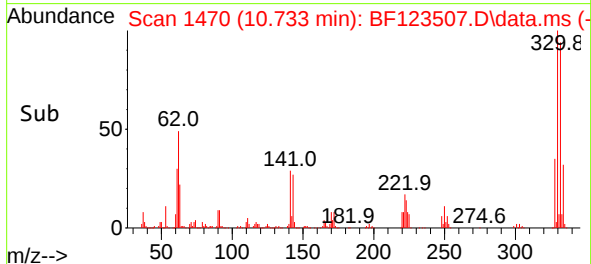
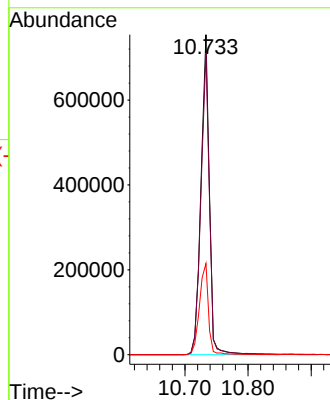
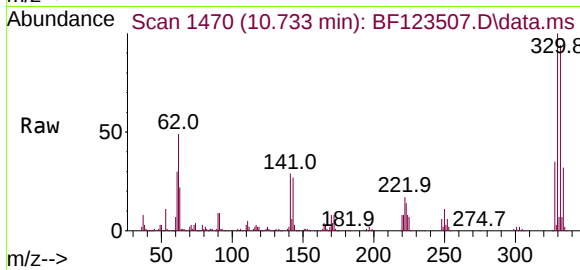




#42  
2,4,6-Tribromophenol  
Concen: 117.59 ng  
RT: 10.733 min Scan# 1470  
Delta R.T. -0.006 min  
Lab File: BF123507.D  
Acq: 29 Mar 2021 21:24

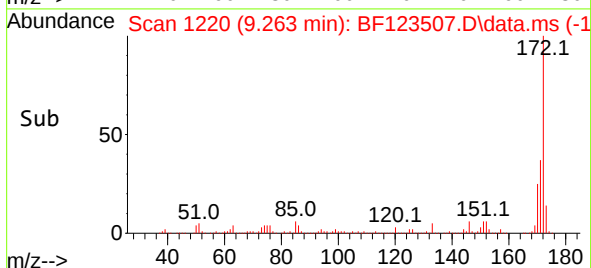
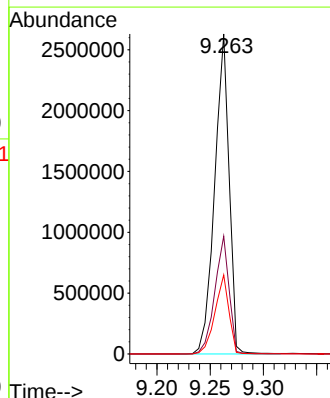
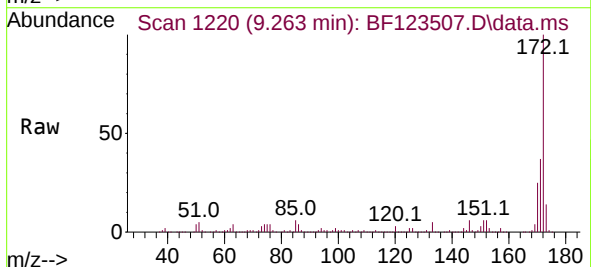
Instrument :  
BNA\_F  
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EXTERIOR-SLAB-BRICK-2

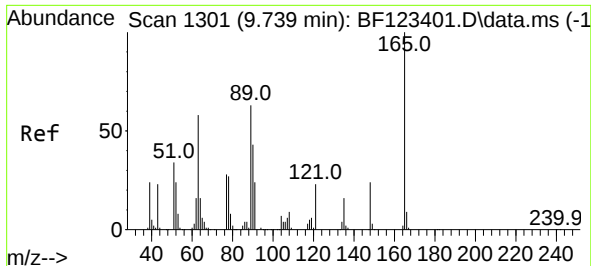
Tgt Ion:330 Resp: 693999  
Ion Ratio Lower Upper  
330 100  
332 95.6 77.5 116.3  
141 30.4 23.8 35.8



#45  
2-Fluorobiphenyl  
Concen: 67.00 ng  
RT: 9.263 min Scan# 1220  
Delta R.T. 0.000 min  
Lab File: BF123507.D  
Acq: 29 Mar 2021 21:24

Tgt Ion:172 Resp: 2475936  
Ion Ratio Lower Upper  
172 100  
171 36.8 29.6 44.4  
170 24.7 19.5 29.3

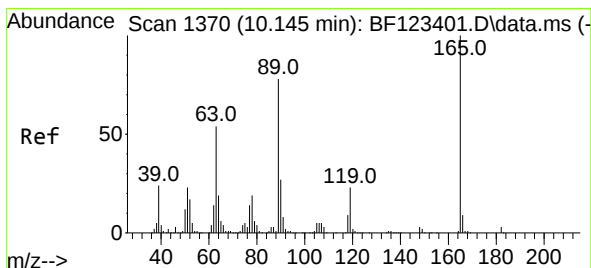
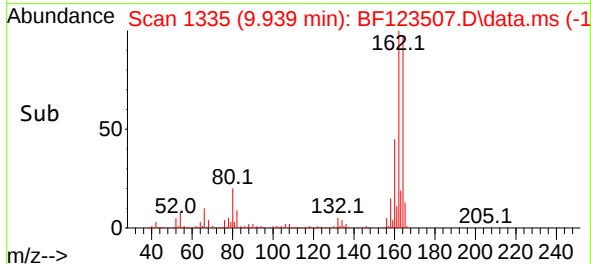
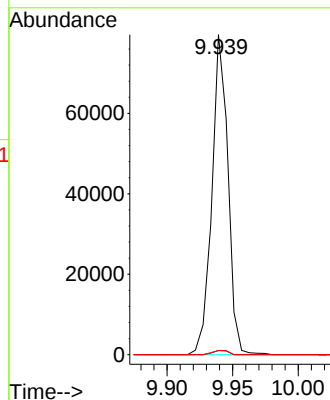
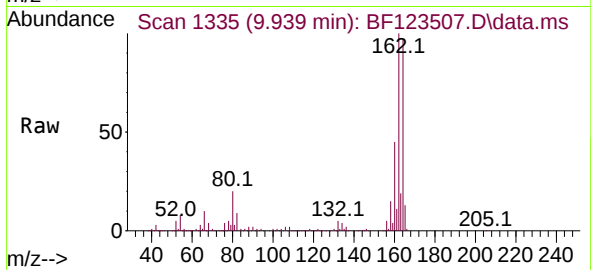




#51  
2,6-Dinitrotoluene  
Concen: 8.65 ng  
RT: 9.939 min Scan# 1335  
Delta R.T. 0.212 min  
Lab File: BF123507.D  
Acq: 29 Mar 2021 21:24

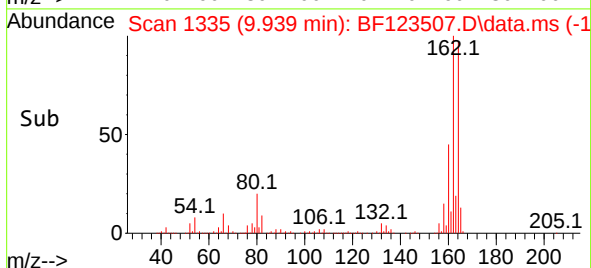
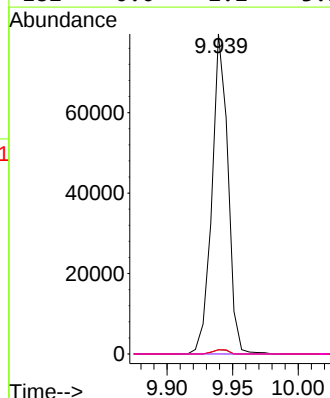
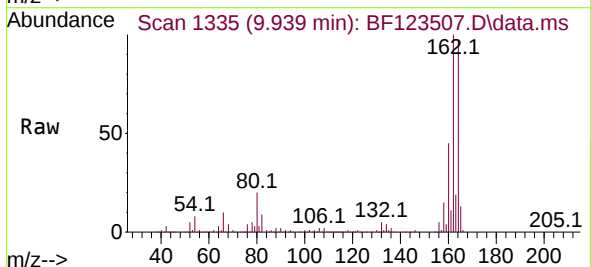
Instrument :  
BNA\_F  
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EXTERIOR-SLAB-BRICK-2

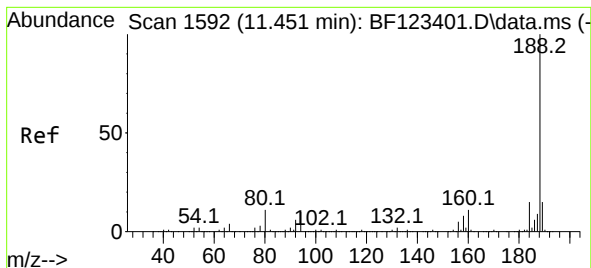
Tgt Ion:165 Resp: 67784  
Ion Ratio Lower Upper  
165 100  
63 1.3 36.6 55.0#  
89 1.3 39.4 59.0#



#57  
2,4-Dinitrotoluene  
Concen: 6.93 ng  
RT: 9.939 min Scan# 1335  
Delta R.T. -0.188 min  
Lab File: BF123507.D  
Acq: 29 Mar 2021 21:24

Tgt Ion:165 Resp: 67784  
Ion Ratio Lower Upper  
165 100  
63 1.3 34.3 51.5#  
89 1.3 55.2 82.8#  
182 0.0 2.2 3.2#

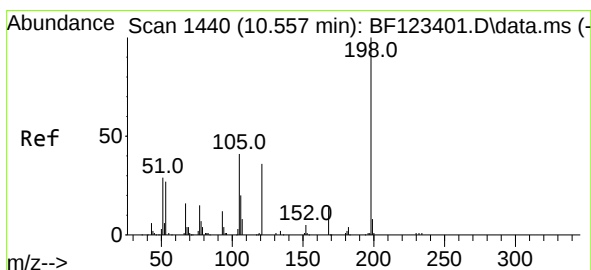
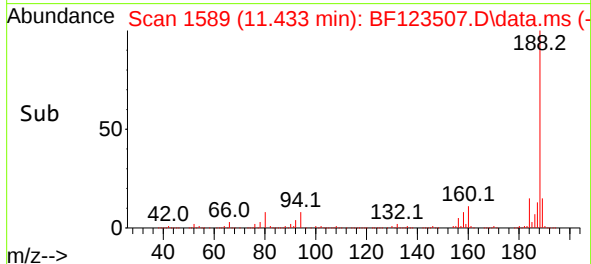
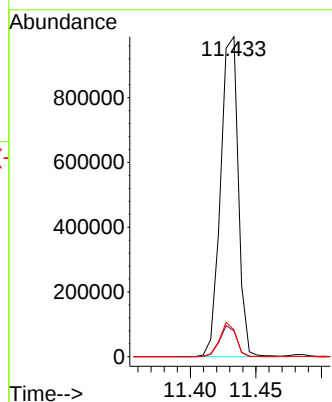
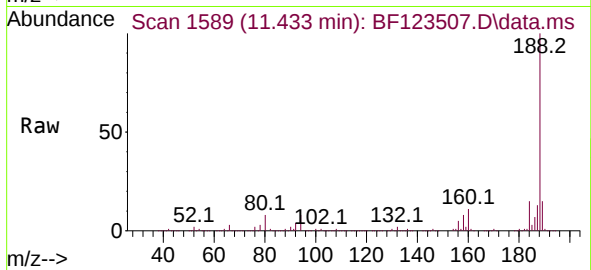




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.433 min Scan# 1589  
Delta R.T. 0.000 min  
Lab File: BF123507.D  
Acq: 29 Mar 2021 21:24

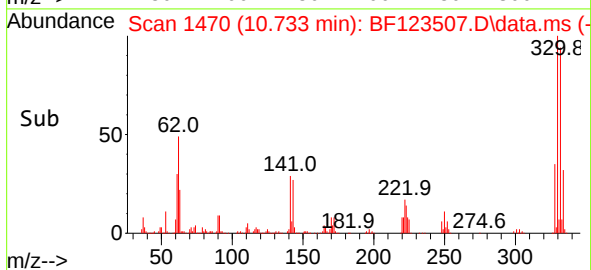
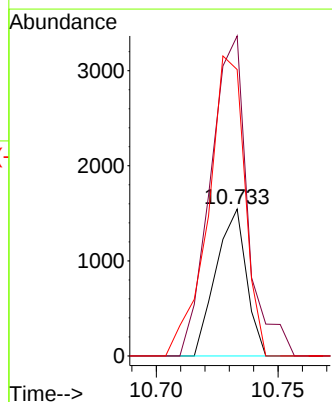
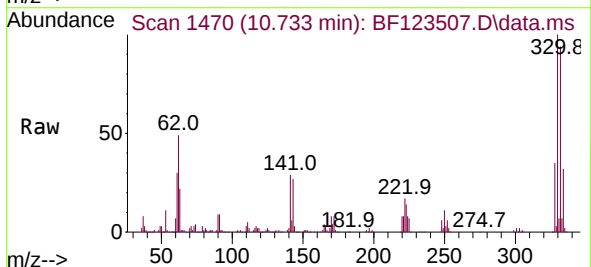
Instrument :  
BNA\_F  
ClientSampleId :  
EXTERIOR-SLAB-BRICK-2

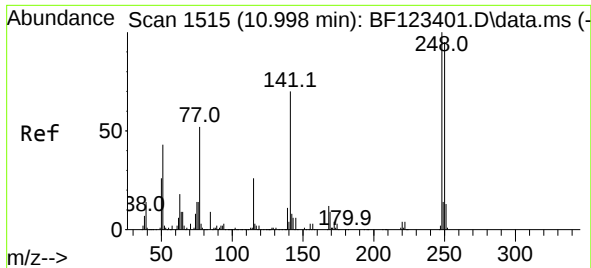
Tgt Ion:188 Resp: 927105  
Ion Ratio Lower Upper  
188 100  
94 8.1 7.4 11.2  
80 8.4 8.2 12.4



#65  
4,6-Dinitro-2-methylphenol  
Concen: 5.36 ng  
RT: 10.733 min Scan# 1470  
Delta R.T. 0.194 min  
Lab File: BF123507.D  
Acq: 29 Mar 2021 21:24

Tgt Ion:198 Resp: 1343  
Ion Ratio Lower Upper  
198 100  
51 217.8 20.3 60.3#  
105 194.9 23.0 63.0#

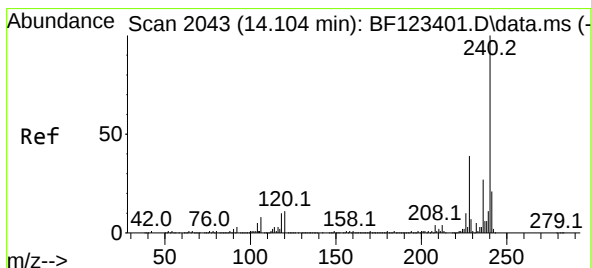
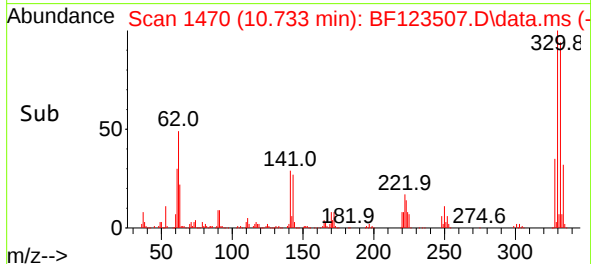
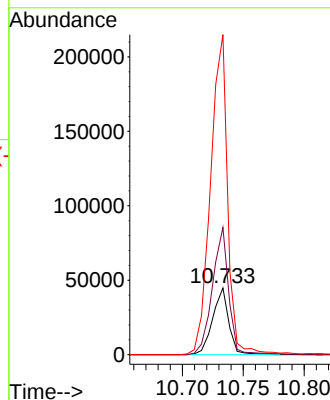
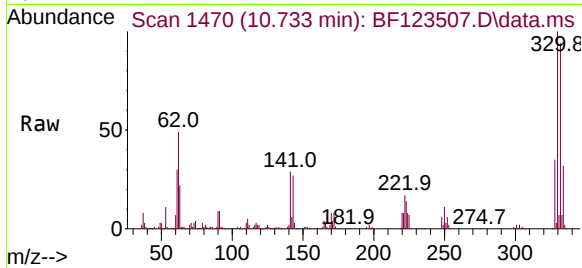




#67  
4-Bromophenyl-phenylether  
Concen: 3.76 ng  
RT: 10.733 min Scan# 1470  
Delta R.T. -0.247 min  
Lab File: BF123507.D  
Acq: 29 Mar 2021 21:24

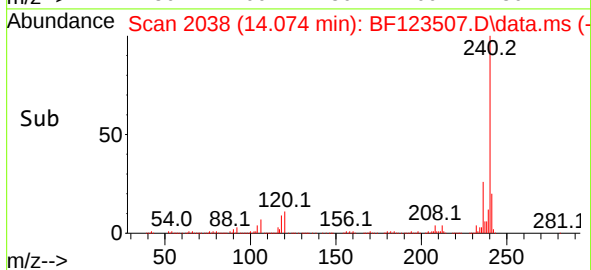
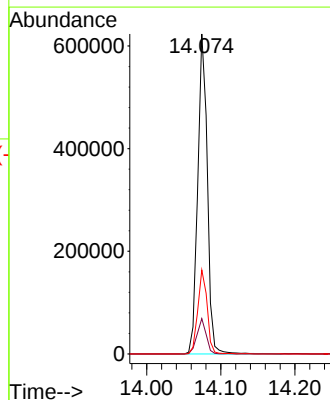
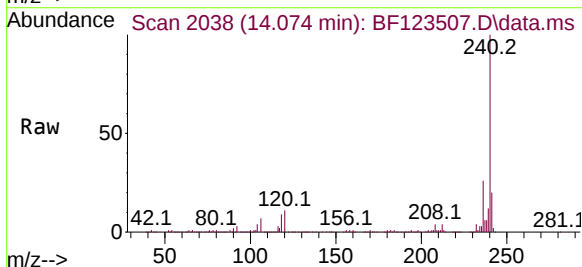
Instrument :  
BNA\_F  
ClientSampleId :  
EXTERIOR-SLAB-BRICK-2

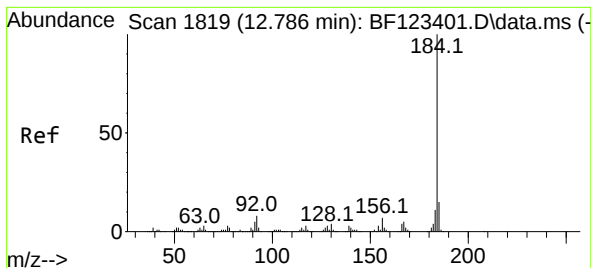
Tgt Ion:248 Resp: 41287  
Ion Ratio Lower Upper  
248 100  
250 190.6 76.8 115.2#  
141 479.5 59.8 89.8#



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.074 min Scan# 2038  
Delta R.T. -0.012 min  
Lab File: BF123507.D  
Acq: 29 Mar 2021 21:24

Tgt Ion:240 Resp: 559646  
Ion Ratio Lower Upper  
240 100  
120 11.0 8.6 12.8  
236 26.2 20.3 30.5





#77

Benzidine

Concen: 2.18 ng

RT: 13.027 min Scan# 1860

Delta R.T. 0.259 min

Lab File: BF123507.D

Acq: 29 Mar 2021 21:24

Tgt Ion:184 Resp: 36330

Ion Ratio Lower Upper

184 100

185 15.6 11.8 17.6

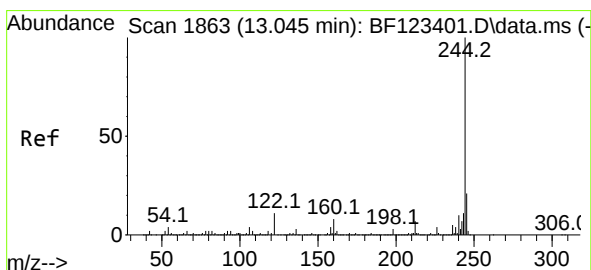
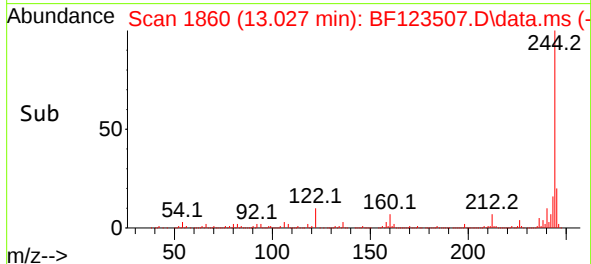
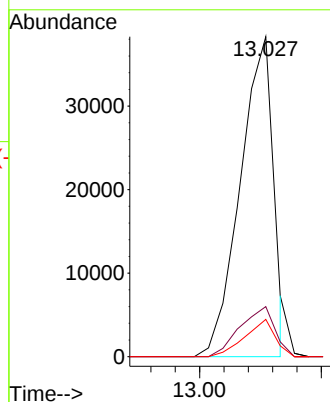
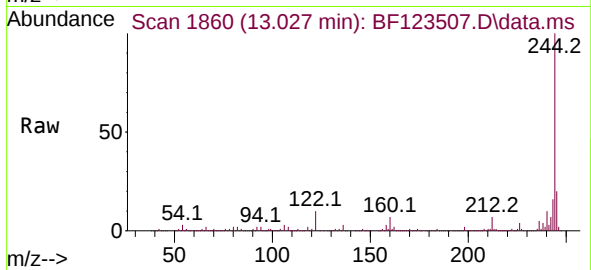
183 11.6 9.7 14.5

Instrument :

BNA\_F

ClientSampleId :

EXTERIOR-SLAB-BRICK-2



#79

Terphenyl-d14

Concen: 80.99 ng

RT: 13.027 min Scan# 1860

Delta R.T. 0.000 min

Lab File: BF123507.D

Acq: 29 Mar 2021 21:24

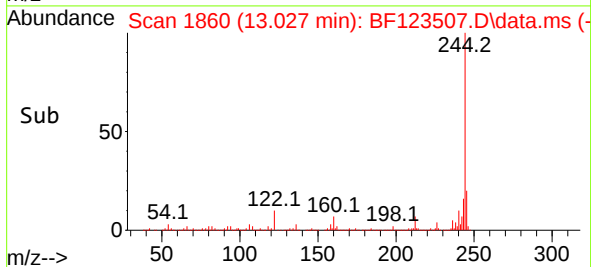
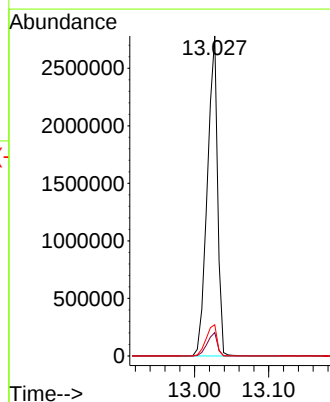
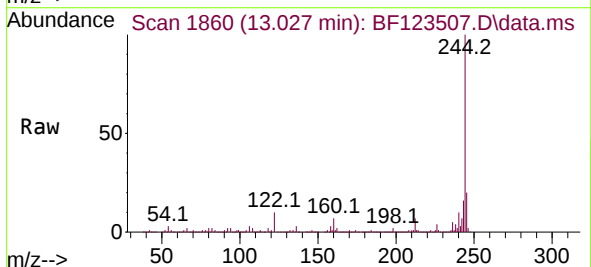
Tgt Ion:244 Resp: 2674581

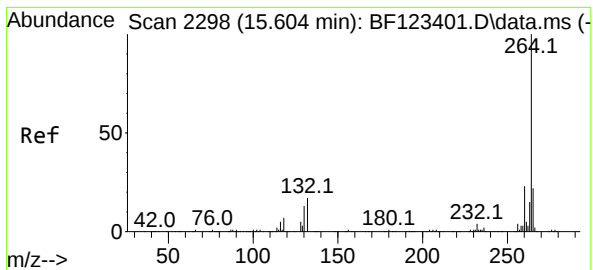
Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

122 9.7 8.3 12.5





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.574 min Scan# 2293  
 Delta R.T. -0.006 min  
 Lab File: BF123507.D  
 Acq: 29 Mar 2021 21:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EXTERIOR-SLAB-BRICK-2

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 460478 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.2  | 18.6  | 28.0   |
| 265       | 21.6  | 17.0  | 25.6   |

