

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF032822\  
 Data File : BF127549.D  
 Acq On : 28 Mar 2022 18:39  
 Operator : CG\JU  
 Sample : N2107-02  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS2

Quant Time: Mar 29 07:16:52 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF032122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 29 07:13:31 2022  
 Response via : Initial Calibration

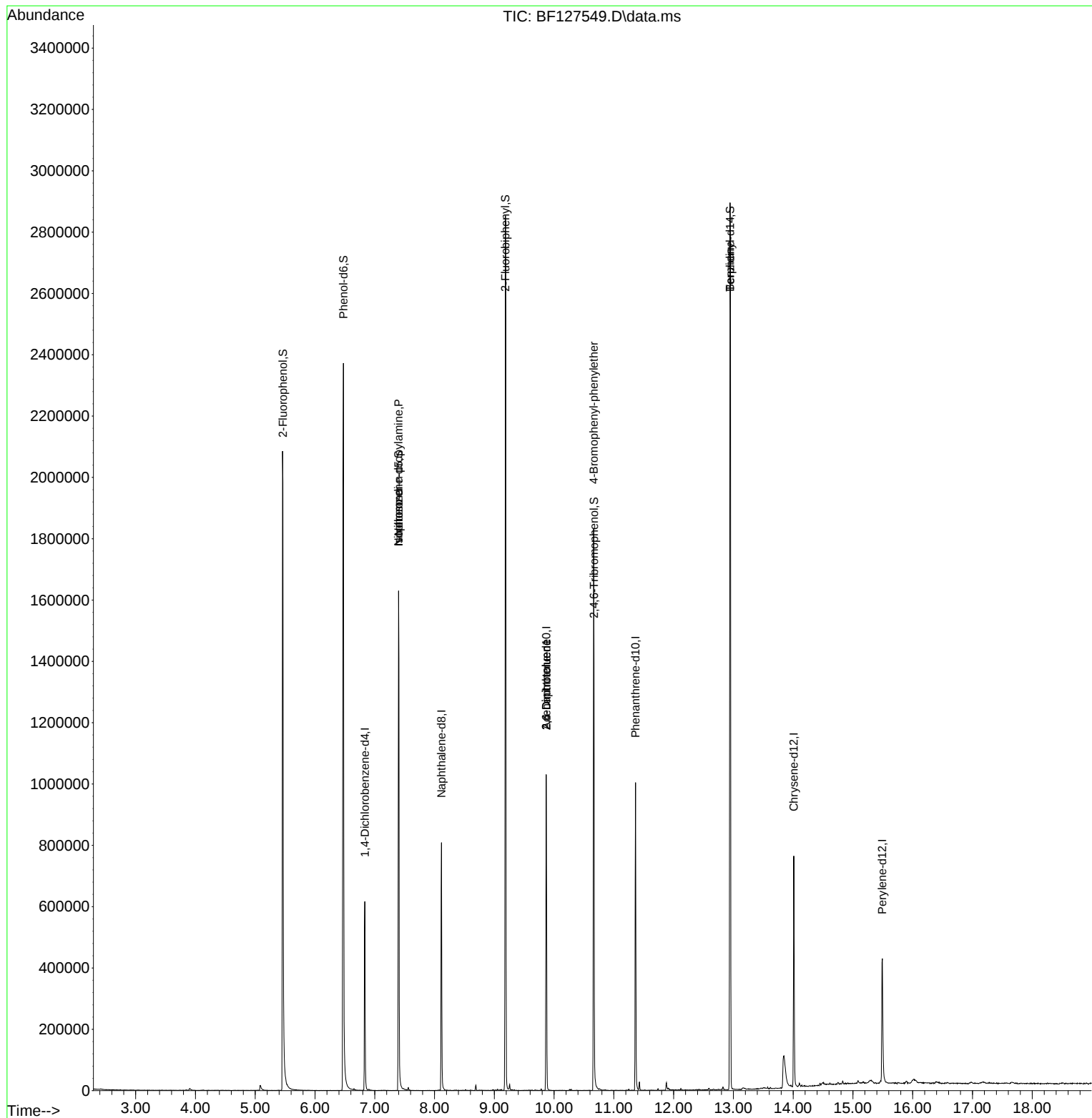
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.834  | 152  | 89804    | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.116  | 136  | 328363   | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.869  | 164  | 190430   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.363 | 188  | 343217   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 14.010 | 240  | 250207   | 20.000    | ng     | 0.00     |
| 86) Perylene-d12              | 15.492 | 264  | 202937   | 20.000    | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.463  | 112  | 571250   | 101.537   | ng     | 0.00     |
| 7) Phenol-d6                  | 6.475  | 99   | 775213   | 100.803   | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.398  | 82   | 533568   | 69.459    | ng     | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 204932   | 101.023   | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.186  | 172  | 918154   | 70.405    | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.945 | 244  | 1063225  | 69.563    | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.475  | 77   | 1257     | Below Cal | #      | 7        |
| 19) n-Nitroso-di-n-propyla... | 7.398  | 70   | 72102    | 15.641    | ng     | # 79     |
| 25) Isophorone                | 7.398  | 82   | 533563   | 43.610    | ng     | # 70     |
| 51) 2,6-Dinitrotoluene        | 9.869  | 165  | 24579    | 8.839     | ng     | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.869  | 165  | 24579    | 6.867     | ng     | # 13     |
| 58) Fluorene                  | 10.663 | 166  | 8013     | Below Cal | #      | 83       |
| 67) 4-Bromophenyl-phenylether | 10.663 | 248  | 14005    | 3.495     | ng     | # 1      |
| 77) Benzidine                 | 12.945 | 184  | 13436    | 2.252     | ng     | # 93     |
| -----                         |        |      |          |           |        |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF032822\  
Data File : BF127549.D  
Acq On : 28 Mar 2022 18:39  
Operator : CG\JU  
Sample : N2107-02  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SS2

Quant Time: Mar 29 07:16:52 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF032122.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Mar 29 07:13:31 2022  
Response via : Initial Calibration

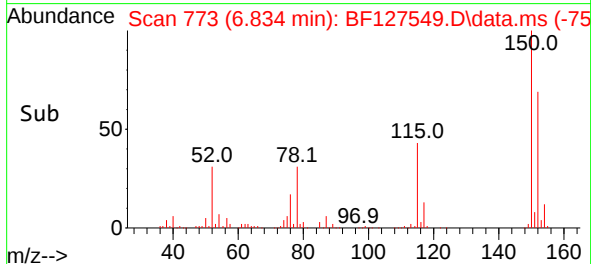
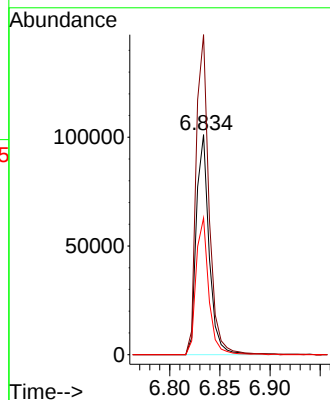
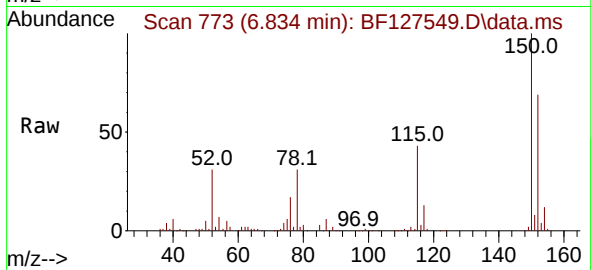




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.834 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: BF127549.D  
Acq: 28 Mar 2022 18:39

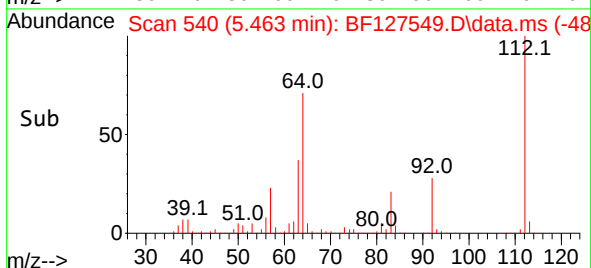
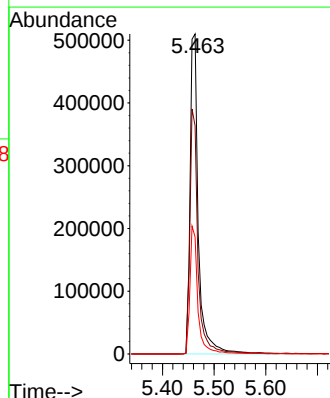
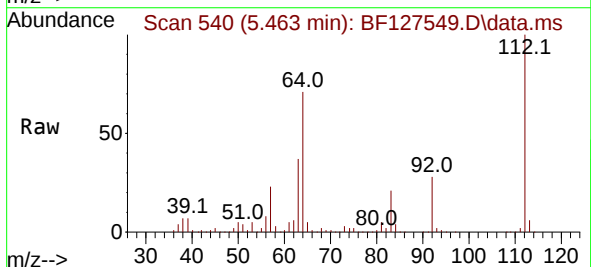
Instrument :  
BNA\_F  
ClientSampleId :  
SS2

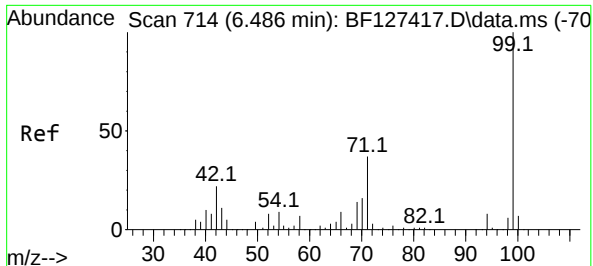
Tgt Ion:152 Resp: 89804  
Ion Ratio Lower Upper  
152 100  
150 145.5 117.2 175.8  
115 62.1 49.8 74.6



#5  
2-Fluorophenol  
Concen: 101.537 ng  
RT: 5.463 min Scan# 540  
Delta R.T. 0.006 min  
Lab File: BF127549.D  
Acq: 28 Mar 2022 18:39

Tgt Ion:112 Resp: 571250  
Ion Ratio Lower Upper  
112 100  
64 71.3 58.4 87.6  
63 36.6 30.1 45.1

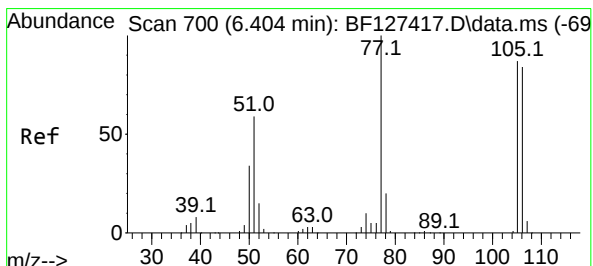
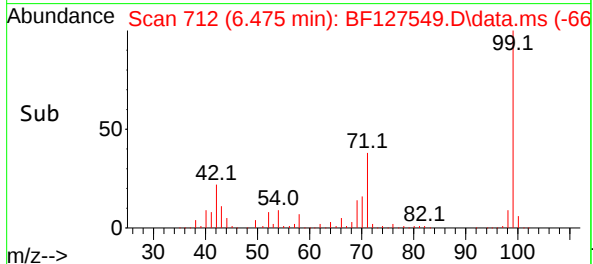
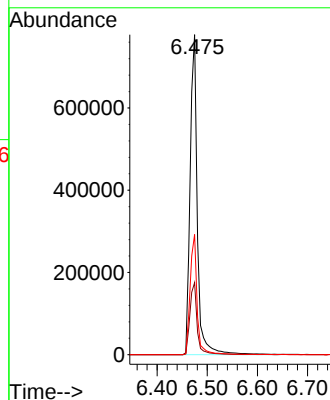
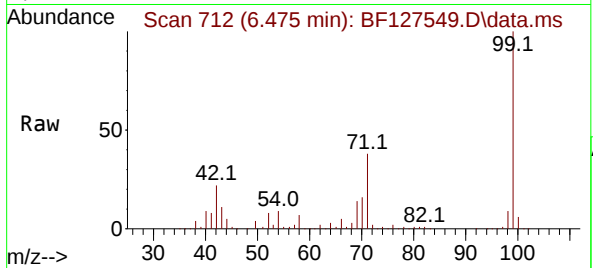




#7  
Phenol-d6  
Concen: 100.803 ng  
RT: 6.475 min Scan# 712  
Delta R.T. -0.006 min  
Lab File: BF127549.D  
Acq: 28 Mar 2022 18:39

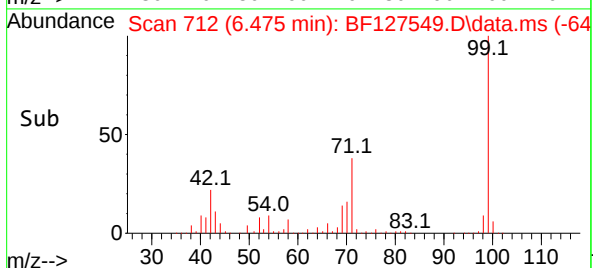
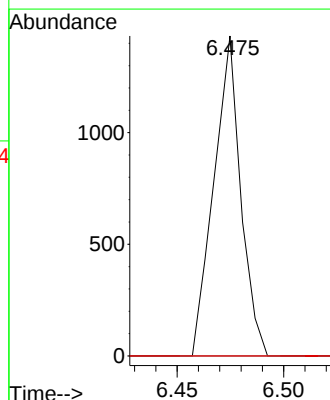
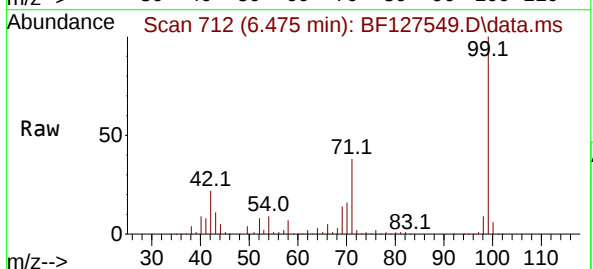
Instrument :  
BNA\_F  
ClientSampleId :  
SS2

Tgt Ion: 99 Resp: 775213  
Ion Ratio Lower Upper  
99 100  
42 22.5 17.8 26.6  
71 37.6 29.6 44.4



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.475 min Scan# 712  
Delta R.T. 0.082 min  
Lab File: BF127549.D  
Acq: 28 Mar 2022 18:39

Tgt Ion: 77 Resp: 1257  
Ion Ratio Lower Upper  
77 100  
105 0.0 66.8 106.8#  
106 0.0 64.3 104.3#



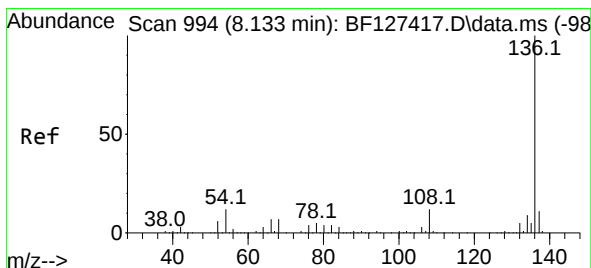
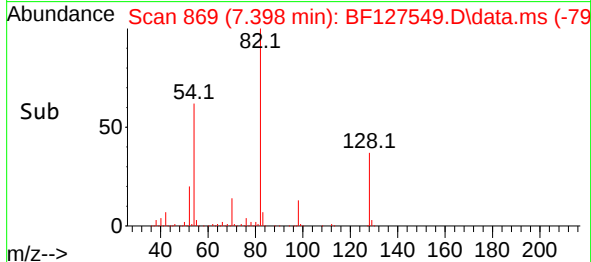
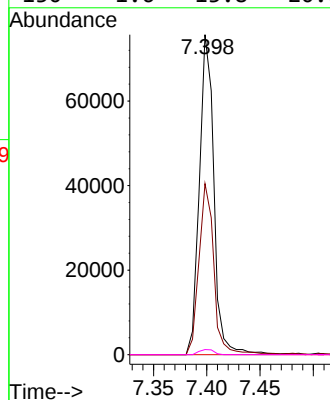
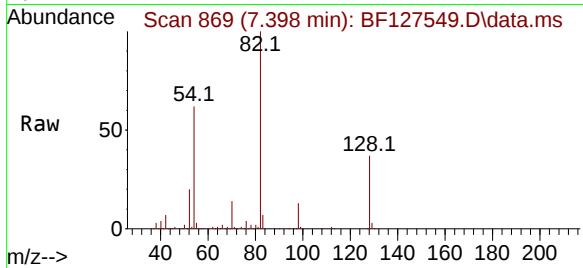


#19  
n-Nitroso-di-n-propylamine  
Concen: 15.641 ng  
RT: 7.398 min Scan# 80  
Delta R.T. 0.147 min  
Lab File: BF127549.D  
Acq: 28 Mar 2022 18:39

Instrument :  
BNA\_F  
ClientSampleId :  
SS2

Tgt Ion: 70 Resp: 72102

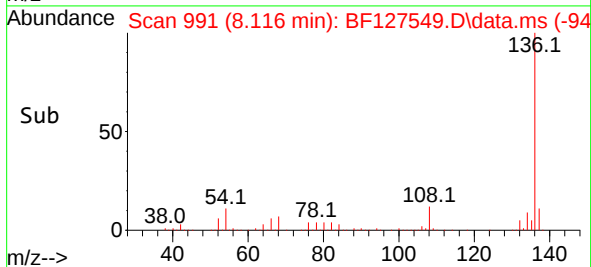
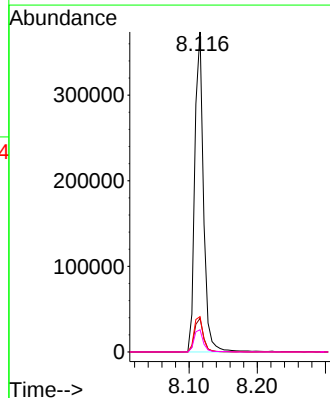
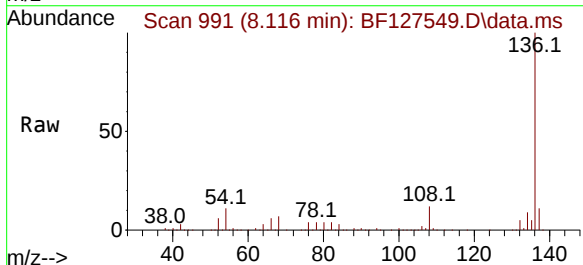
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 53.5  | 53.0  | 79.6  |
| 101 | 0.0   | 6.8   | 10.2# |
| 130 | 1.6   | 13.8  | 20.6# |

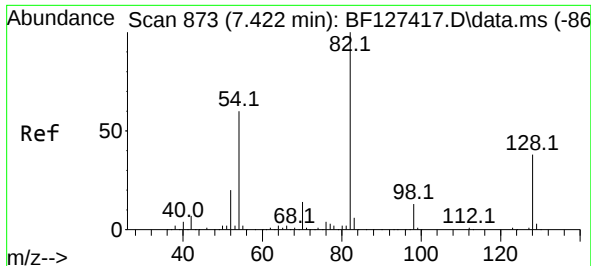


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.116 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: BF127549.D  
Acq: 28 Mar 2022 18:39

Tgt Ion: 136 Resp: 328363

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.5  | 8.6   | 13.0  |
| 54  | 11.1  | 9.2   | 13.8  |
| 68  | 6.9   | 5.4   | 8.0   |





#23

Nitrobenzene-d5

Concen: 69.459 ng

RT: 7.398 min Scan# 8

Delta R.T. -0.012 min

Lab File: BF127549.D

Acq: 28 Mar 2022 18:39

Instrument :

BNA\_F

ClientSampleId :

SS2

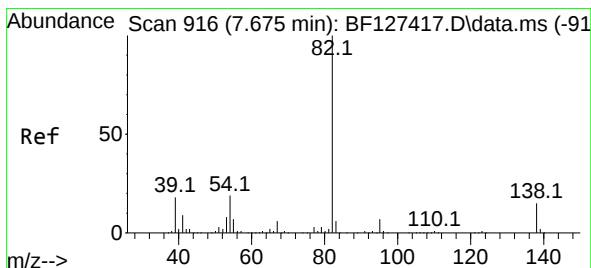
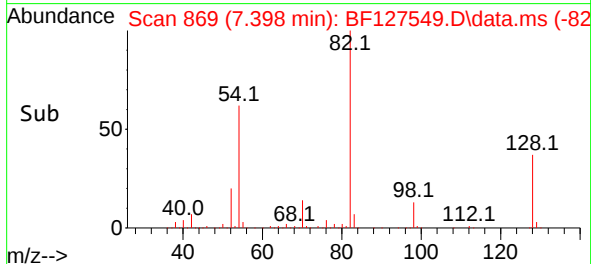
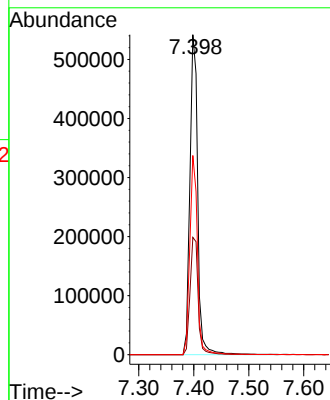
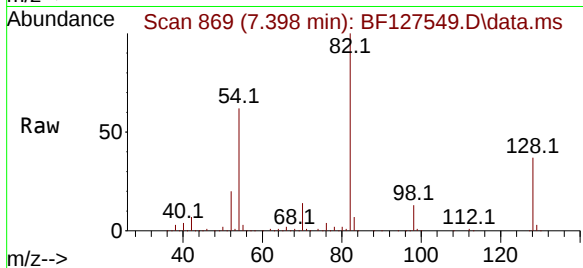
Tgt Ion: 82 Resp: 533568

Ion Ratio Lower Upper

82 100

128 36.6 30.6 45.8

54 62.2 48.2 72.2



#25

Isophorone

Concen: 43.610 ng

RT: 7.398 min Scan# 869

Delta R.T. -0.265 min

Lab File: BF127549.D

Acq: 28 Mar 2022 18:39

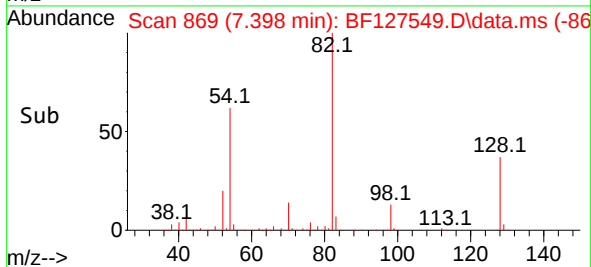
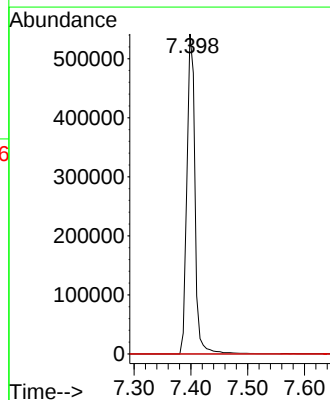
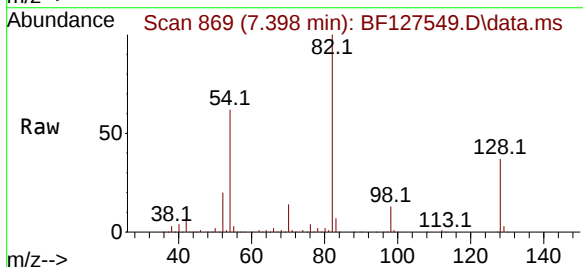
Tgt Ion: 82 Resp: 533563

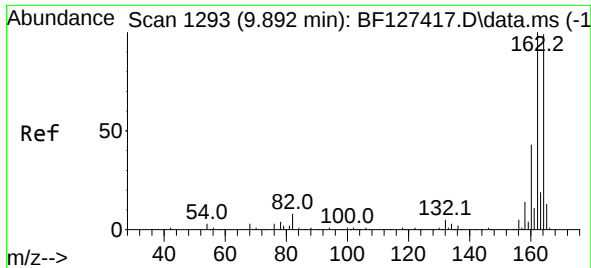
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#

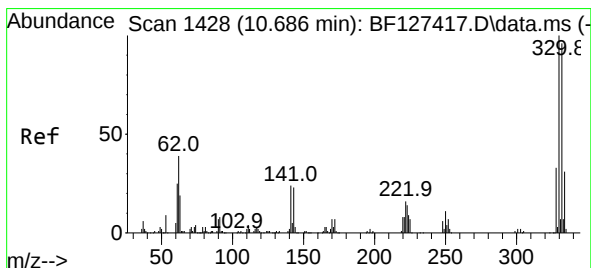
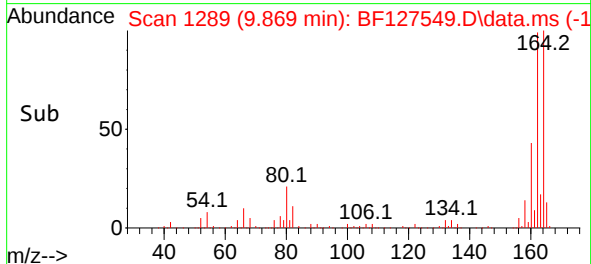
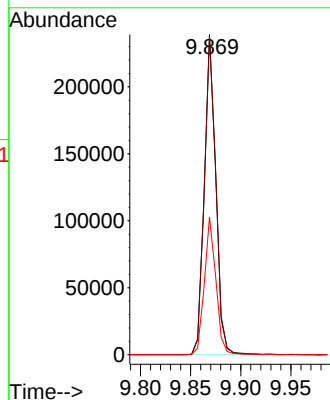
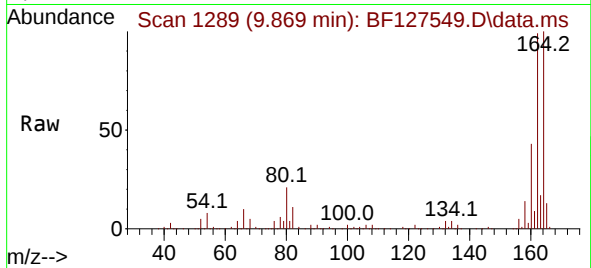




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.869 min Scan# 1289  
Delta R.T. -0.006 min  
Lab File: BF127549.D  
Acq: 28 Mar 2022 18:39

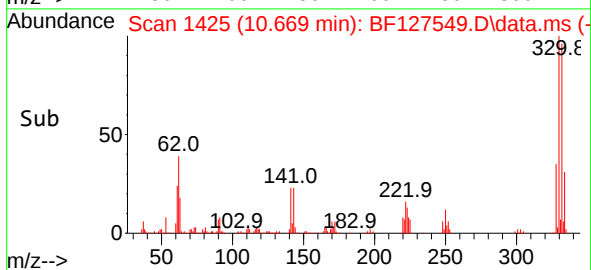
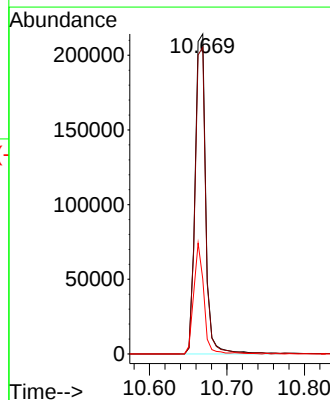
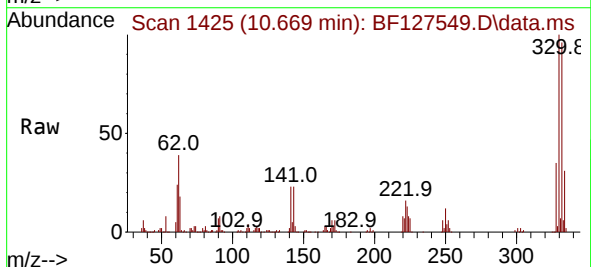
Instrument :  
BNA\_F  
ClientSampleId :  
SS2

Tgt Ion:164 Resp: 190430  
Ion Ratio Lower Upper  
164 100  
162 99.5 81.2 121.8  
160 43.0 34.6 52.0



#42  
2,4,6-Tribromophenol  
Concen: 101.023 ng  
RT: 10.669 min Scan# 1425  
Delta R.T. 0.000 min  
Lab File: BF127549.D  
Acq: 28 Mar 2022 18:39

Tgt Ion:330 Resp: 204932  
Ion Ratio Lower Upper  
330 100  
332 95.3 79.1 118.7  
141 32.3 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 70.405 ng

RT: 9.186 min Scan# 1177

Delta R.T. -0.006 min

Lab File: BF127549.D

Acq: 28 Mar 2022 18:39

Instrument :

BNA\_F

ClientSampleId :

SS2

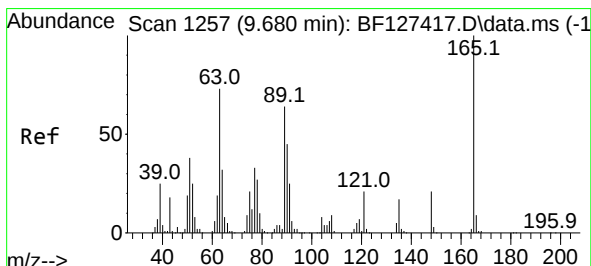
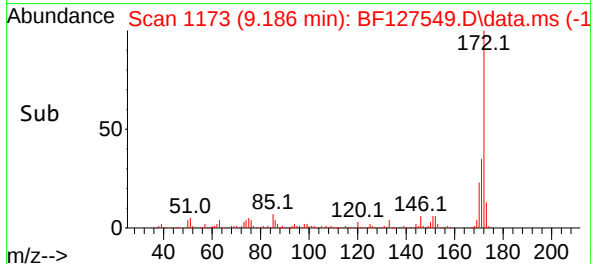
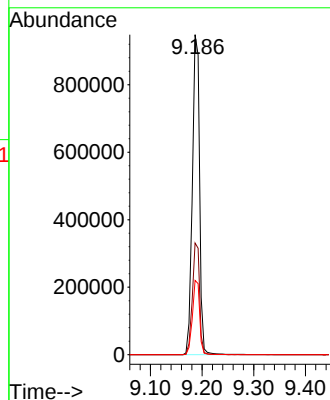
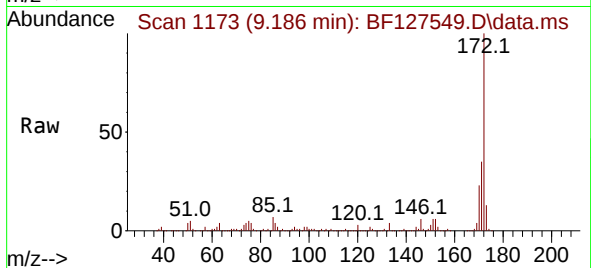
Tgt Ion:172 Resp: 918154

Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 23.2 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 8.839 ng

RT: 9.869 min Scan# 1289

Delta R.T. 0.200 min

Lab File: BF127549.D

Acq: 28 Mar 2022 18:39

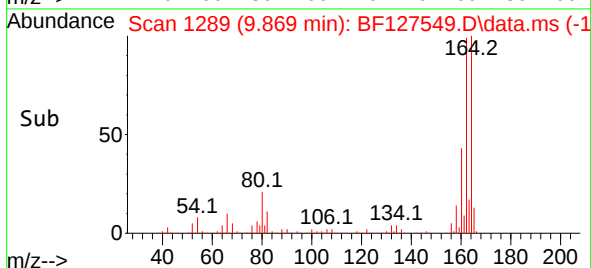
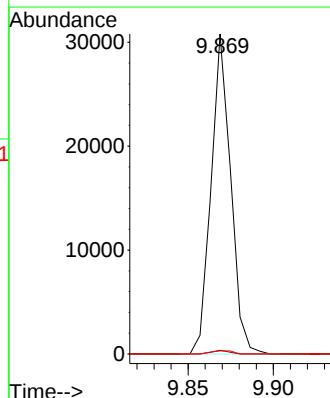
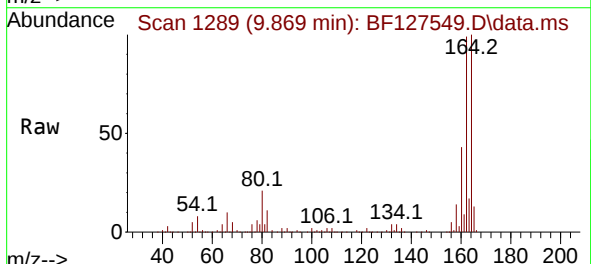
Tgt Ion:165 Resp: 24579

Ion Ratio Lower Upper

165 100

63 1.1 58.3 87.5#

89 1.0 51.5 77.3#

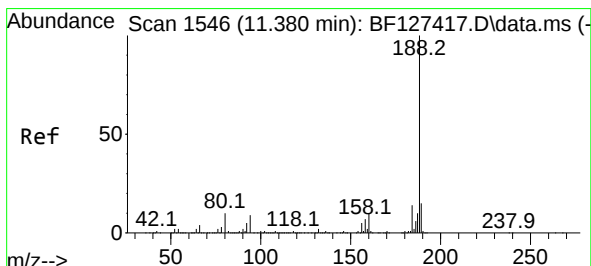
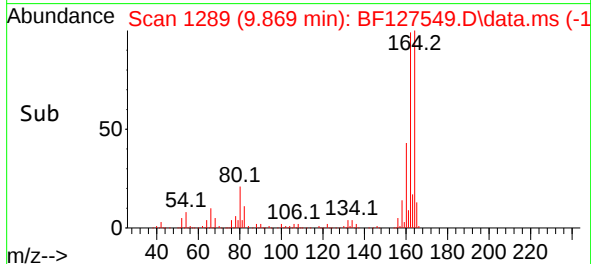
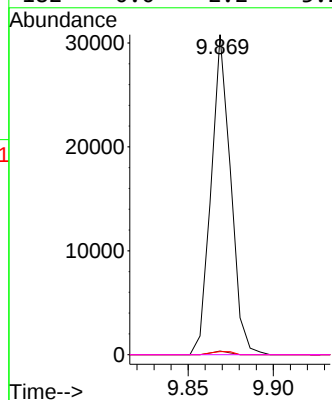
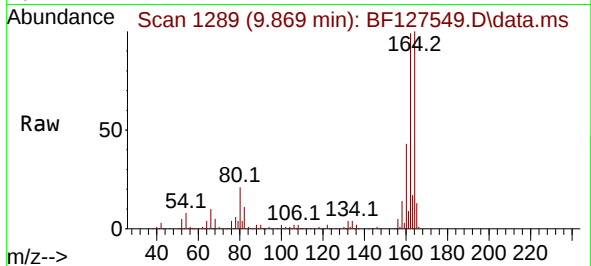




#57  
2,4-Dinitrotoluene  
Concen: 6.867 ng  
RT: 9.869 min Scan# 11  
Delta R.T. -0.206 min  
Lab File: BF127549.D  
Acq: 28 Mar 2022 18:39

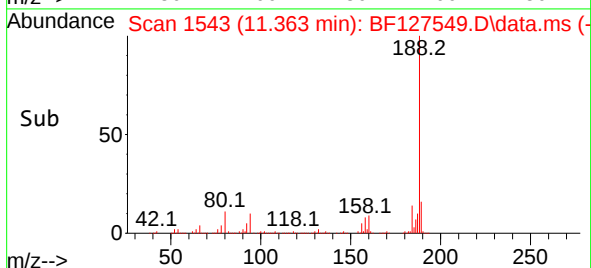
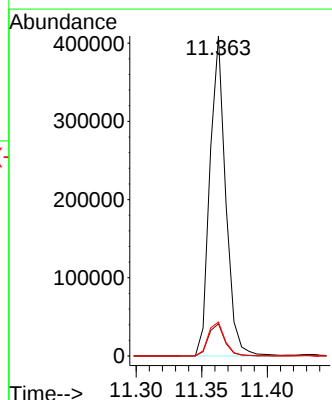
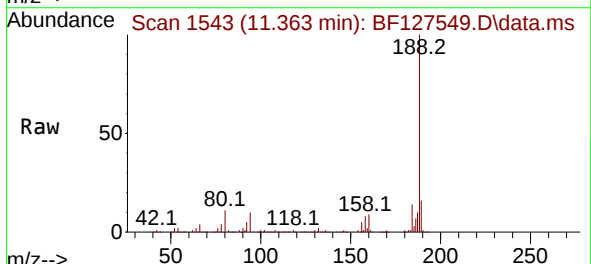
Instrument :  
BNA\_F  
ClientSampleId :  
SS2

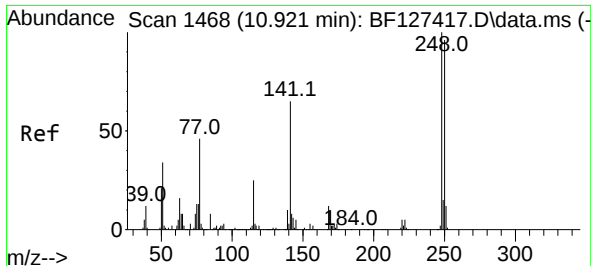
Tgt Ion:165 Resp: 24579  
Ion Ratio Lower Upper  
165 100  
63 1.1 53.1 79.7#  
89 1.0 69.2 103.8#  
182 0.0 2.2 3.2#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.363 min Scan# 1543  
Delta R.T. 0.000 min  
Lab File: BF127549.D  
Acq: 28 Mar 2022 18:39

Tgt Ion:188 Resp: 343217  
Ion Ratio Lower Upper  
188 100  
94 10.0 7.4 11.0  
80 10.6 8.0 12.0

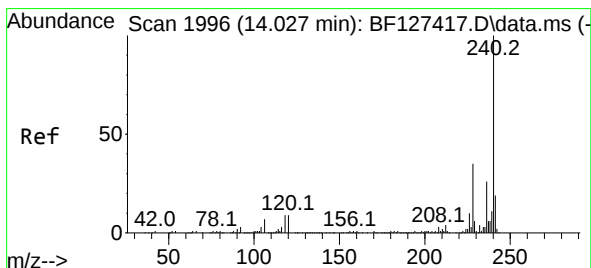
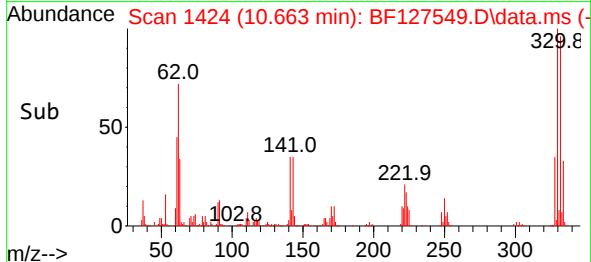
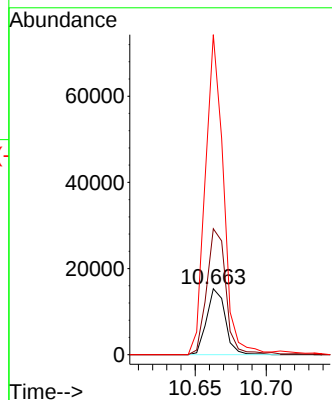
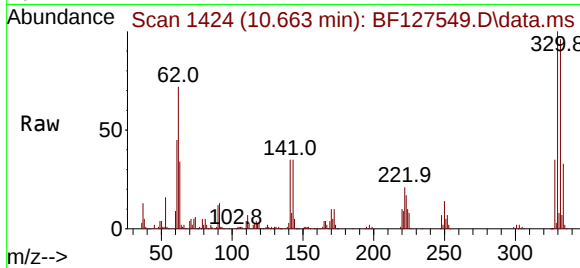




#67  
4-Bromophenyl-phenylether  
Concen: 3.495 ng  
RT: 10.663 min Scan# 1424  
Delta R.T. -0.241 min  
Lab File: BF127549.D  
Acq: 28 Mar 2022 18:39

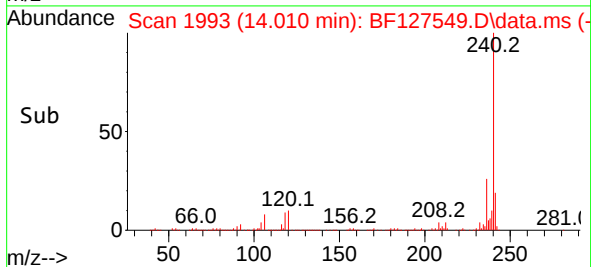
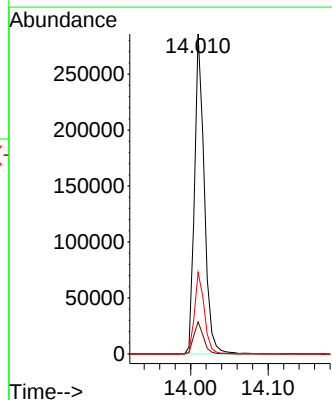
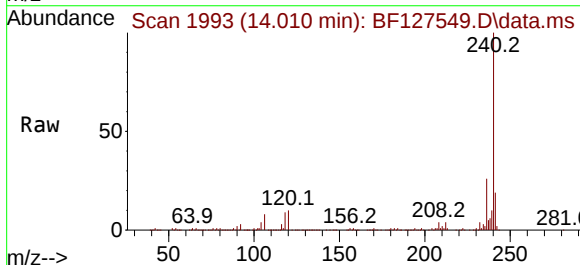
Instrument :  
BNA\_F  
ClientSampleId :  
SS2

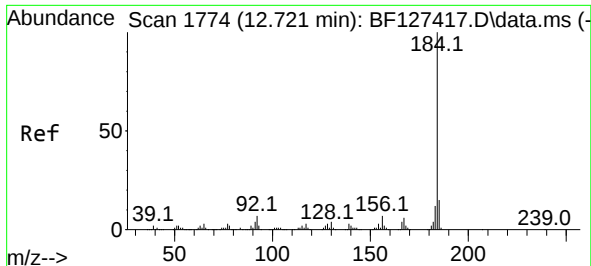
Tgt Ion:248 Resp: 14005  
Ion Ratio Lower Upper  
248 100  
250 190.8 76.6 115.0#  
141 485.0 52.2 78.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.010 min Scan# 1993  
Delta R.T. -0.006 min  
Lab File: BF127549.D  
Acq: 28 Mar 2022 18:39

Tgt Ion:240 Resp: 250207  
Ion Ratio Lower Upper  
240 100  
120 10.0 7.1 10.7  
236 25.5 20.7 31.1

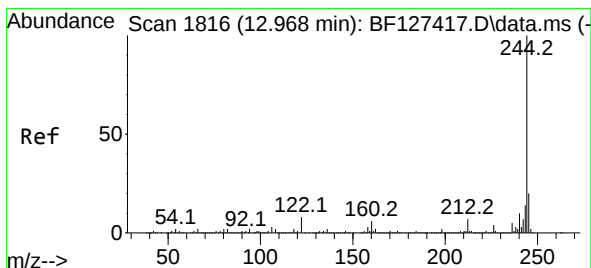
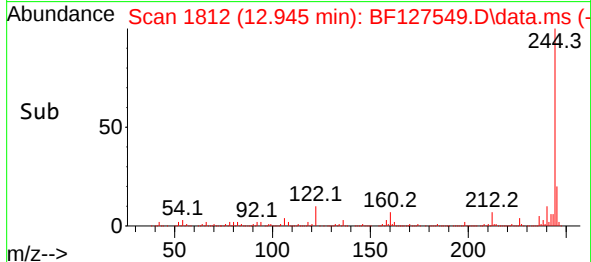
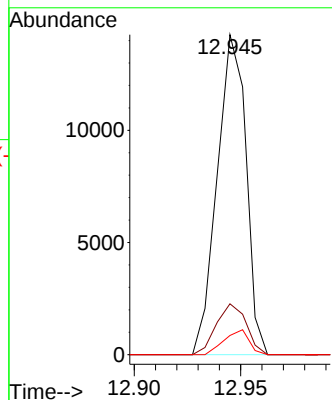
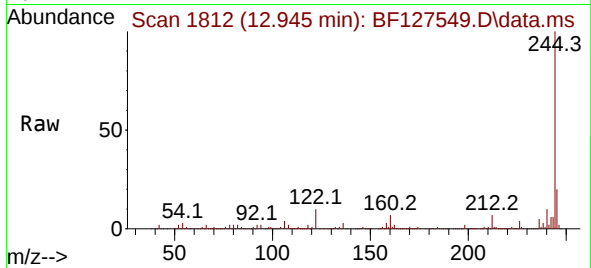




#77  
Benzidine  
Concen: 2.252 ng  
RT: 12.945 min Scan# 1812  
Delta R.T. 0.235 min  
Lab File: BF127549.D  
Acq: 28 Mar 2022 18:39

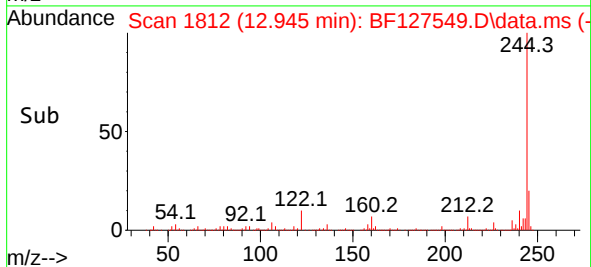
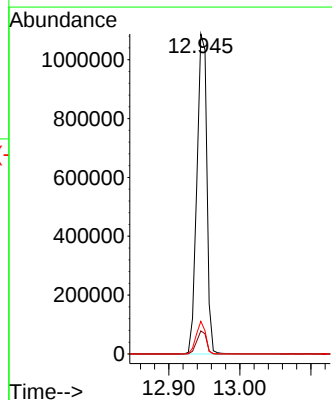
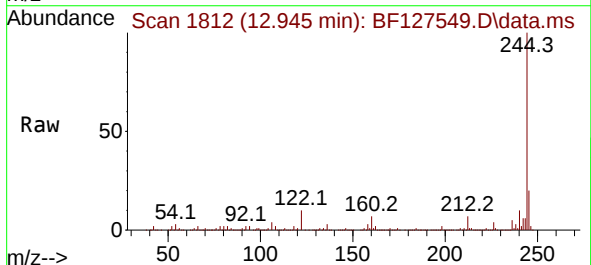
Instrument :  
BNA\_F  
ClientSampleId :  
SS2

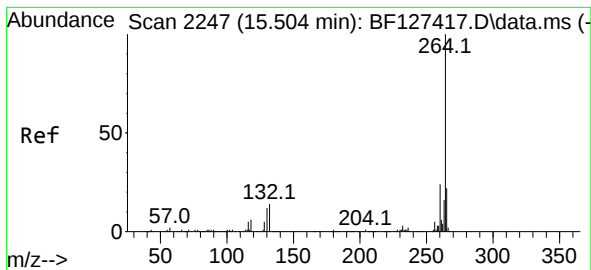
Tgt Ion:184 Resp: 13436  
Ion Ratio Lower Upper  
184 100  
185 15.9 12.2 18.2  
183 6.0 9.4 14.0#



#79  
Terphenyl-d14  
Concen: 69.563 ng  
RT: 12.945 min Scan# 1812  
Delta R.T. -0.006 min  
Lab File: BF127549.D  
Acq: 28 Mar 2022 18:39

Tgt Ion:244 Resp: 1063225  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.7 8.5  
122 10.2 6.2 9.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF127549.D

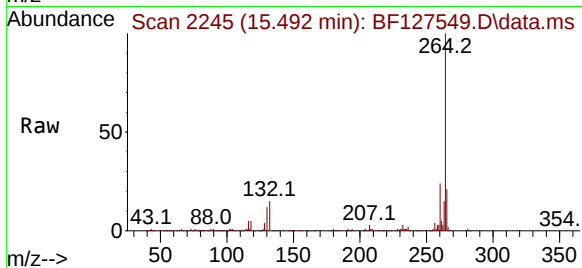
Acq: 28 Mar 2022 18:39

Instrument :

BNA\_F

ClientSampleId :

SS2



Tgt Ion:264 Resp: 202937

Ion Ratio Lower Upper

264 100

260 23.7 19.1 28.7

265 20.6 17.4 26.2

