

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081922\  
 Data File : BF129922.D  
 Acq On : 19 Aug 2022 22:03  
 Operator : CG\JU  
 Sample : N4093-04  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

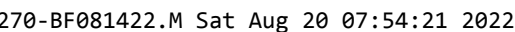
Instrument :  
 BNA\_F  
 ClientSampleId :  
 BLDG-4-BASEMENT-DRUM

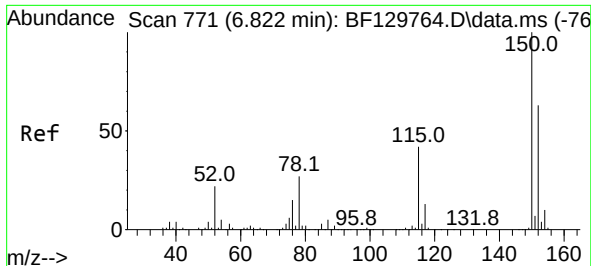
Quant Time: Aug 20 07:54:09 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 20 07:47:33 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min)  |
|-------------------------------|--------|------|----------|-----------|-------|-----------|
| -----                         |        |      |          |           |       |           |
| Internal Standards            |        |      |          |           |       |           |
| 1) 1,4-Dichlorobenzene-d4     | 6.786  | 152  | 140375   | 20.000    | ng    | 0.00      |
| 21) Naphthalene-d8            | 8.069  | 136  | 573383   | 20.000    | ng    | 0.00      |
| 39) Acenaphthene-d10          | 9.822  | 164  | 316560   | 20.000    | ng    | 0.00      |
| 64) Phenanthrene-d10          | 11.310 | 188  | 553136   | 20.000    | ng    | 0.00      |
| 76) Chrysene-d12              | 13.957 | 240  | 411362   | 20.000    | ng    | 0.00      |
| 86) Perylene-d12              | 15.415 | 264  | 307032   | 20.000    | ng    | 0.00      |
| System Monitoring Compounds   |        |      |          |           |       |           |
| 5) 2-Fluorophenol             | 5.439  | 112  | 1121752  | 132.309   | ng    | 0.02      |
| 7) Phenol-d6                  | 6.445  | 99   | 1302989  | 122.725   | ng    | 0.00      |
| 23) Nitrobenzene-d5           | 7.357  | 82   | 971455   | 90.696    | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol      | 10.621 | 330  | 466455   | 146.815   | ng    | 0.00      |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 1777342  | 85.274    | ng    | 0.00      |
| 79) Terphenyl-d14             | 12.904 | 244  | 2158600  | 87.314    | ng    | 0.00      |
| Target Compounds              |        |      |          |           |       |           |
| 9) Benzaldehyde               | 6.357  | 77   | 6480     | Below Cal |       | Qvalue 99 |
| 19) n-Nitroso-di-n-propyla... | 7.357  | 70   | 129674   | 19.323    | ng    | # 76      |
| 22) Acetophenone              | 7.198  | 105  | 38659    | 2.767     | ng    | # 93      |
| 25) Isophorone                | 7.357  | 82   | 971444   | 52.695    | ng    | # 65      |
| 32) Benzoic acid              | 7.869  | 122  | 2753     | 3.207     | ng    | # 94      |
| 51) 2,6-Dinitrotoluene        | 9.822  | 165  | 40938    | 8.316     | ng    | # 23      |
| 57) 2,4-Dinitrotoluene        | 9.822  | 165  | 40938    | 6.406     | ng    | # 18      |
| 67) 4-Bromophenyl-phenylether | 10.621 | 248  | 30495    | 4.707     | ng    | # 1       |
| 70) Pentachlorophenol         | 11.121 | 266  | 58       | 5.207     | ng    | # 20      |
| 77) Benzidine                 | 12.657 | 184  | 37809    | Below Cal |       | 96        |
| -----                         |        |      |          |           |       |           |

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

Quant Time: Aug 20 07:54:09 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Aug 20 07:47:33 2022  
Response via : Initial Calibration

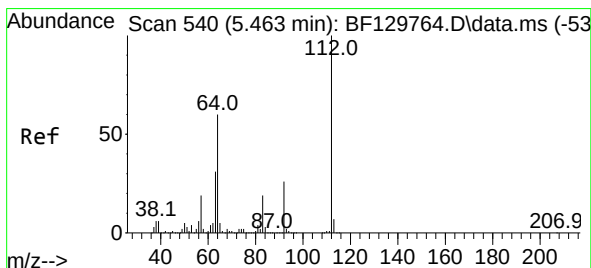
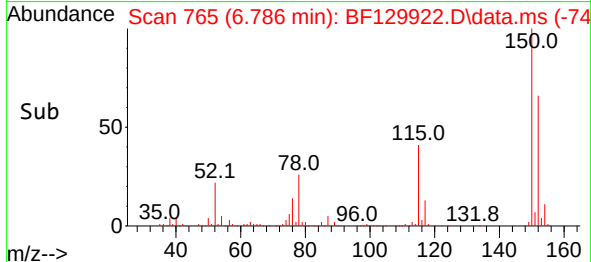
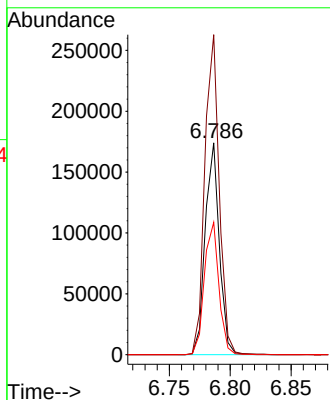
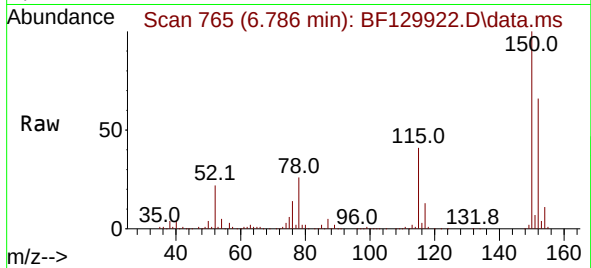




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.786 min Scan# 71  
 Delta R.T. -0.001 min  
 Lab File: BF129922.D  
 Acq: 19 Aug 2022 22:03

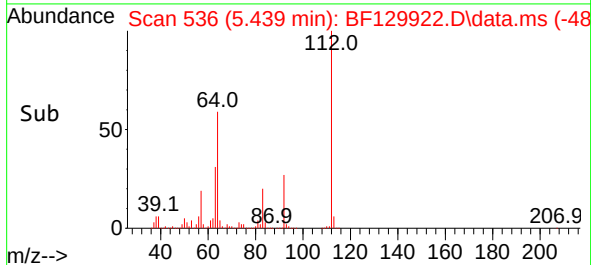
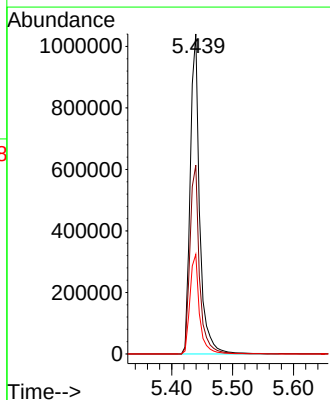
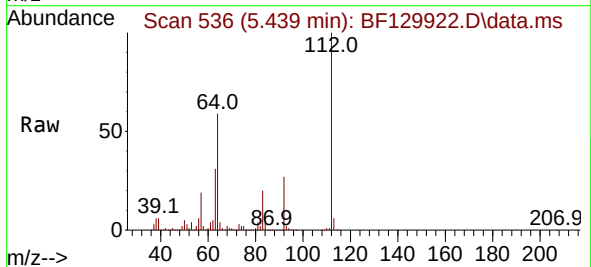
Instrument :  
 BNA\_F  
 ClientSampleId :  
 BLDG-4-BASEMENT-DRUM

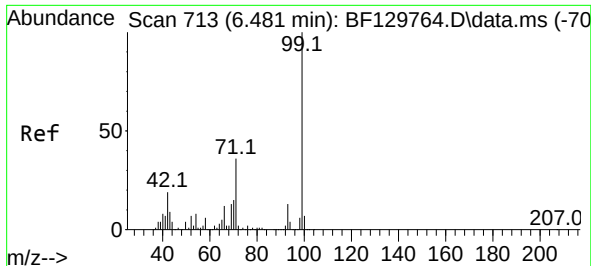
Tgt Ion:152 Resp: 140375  
 Ion Ratio Lower Upper  
 152 100  
 150 151.1 126.9 190.3  
 115 62.5 53.4 80.0



#5  
 2-Fluorophenol  
 Concen: 132.309 ng  
 RT: 5.439 min Scan# 536  
 Delta R.T. 0.018 min  
 Lab File: BF129922.D  
 Acq: 19 Aug 2022 22:03

Tgt Ion:112 Resp: 1121752  
 Ion Ratio Lower Upper  
 112 100  
 64 59.0 47.6 71.4  
 63 31.1 24.6 37.0

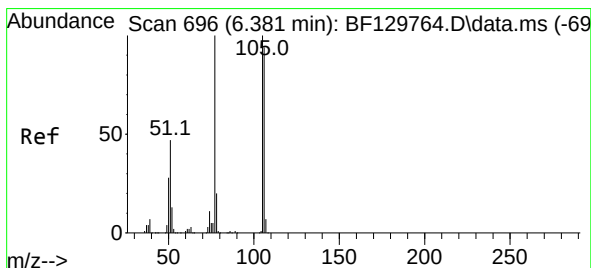
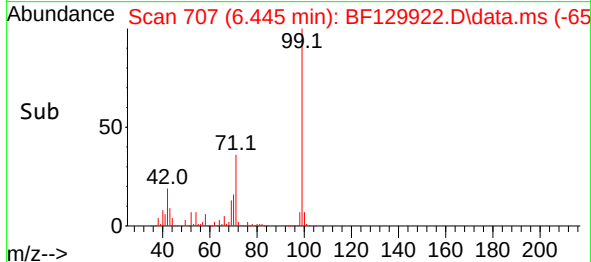
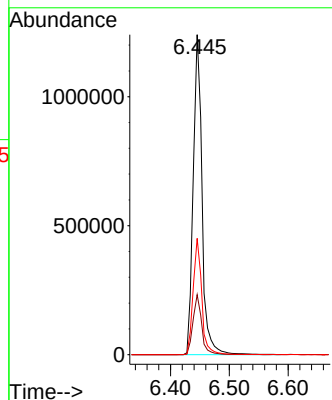
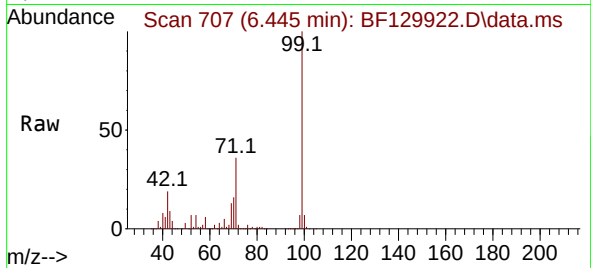




#7  
Phenol-d6  
Concen: 122.725 ng  
RT: 6.445 min Scan# 70  
Delta R.T. -0.000 min  
Lab File: BF129922.D  
Acq: 19 Aug 2022 22:03

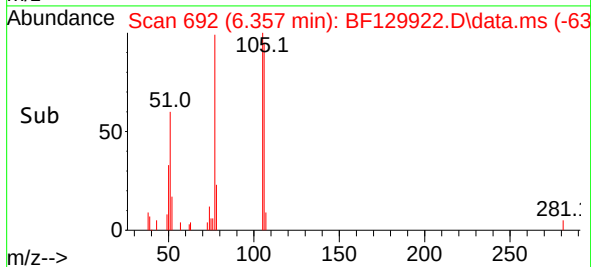
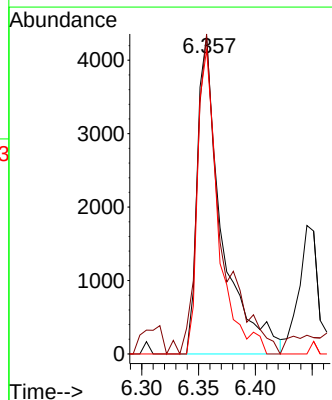
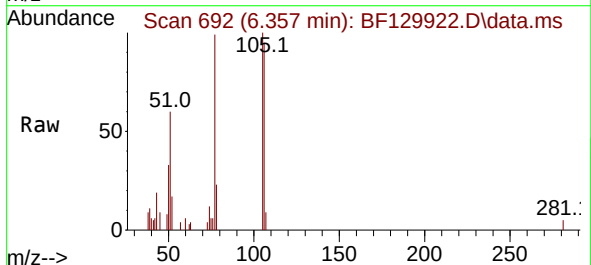
Instrument :  
BNA\_F  
ClientSampleId :  
BLDG-4-BASEMENT-DRUM

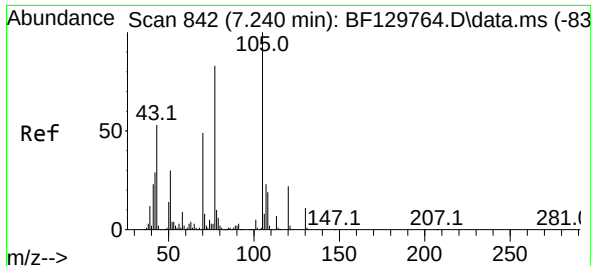
Tgt Ion: 99 Resp: 1302989  
Ion Ratio Lower Upper  
99 100  
42 18.7 15.0 22.4  
71 36.3 28.8 43.2



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.357 min Scan# 692  
Delta R.T. 0.012 min  
Lab File: BF129922.D  
Acq: 19 Aug 2022 22:03

Tgt Ion: 77 Resp: 6480  
Ion Ratio Lower Upper  
77 100  
105 100.8 80.3 120.3  
106 95.9 74.3 114.3

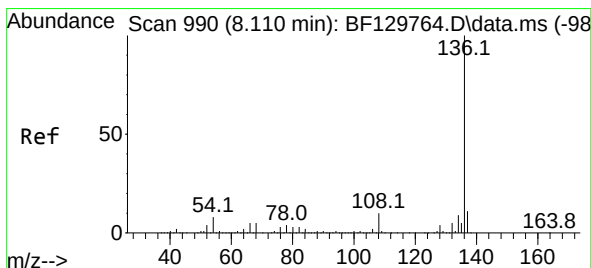
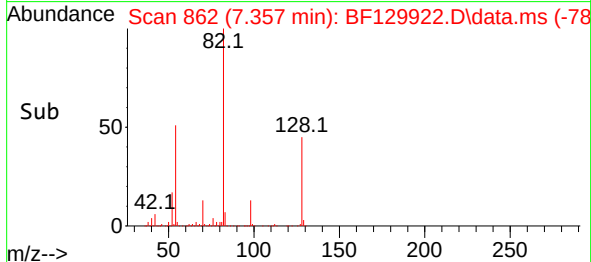
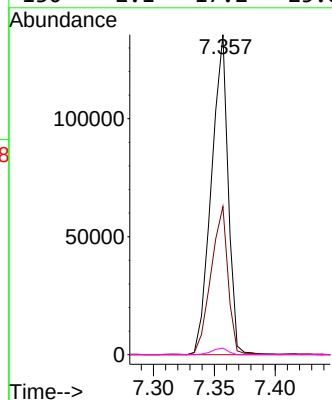
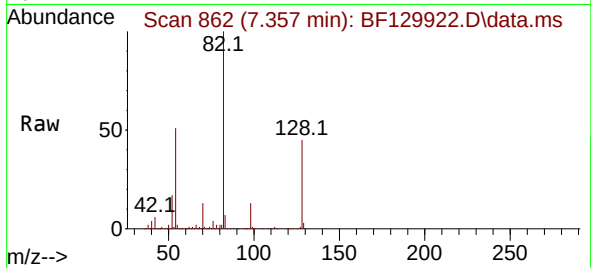




#19  
n-Nitroso-di-n-propylamine  
Concen: 19.323 ng  
RT: 7.357 min Scan# 80  
Delta R.T. 0.153 min  
Lab File: BF129922.D  
Acq: 19 Aug 2022 22:03

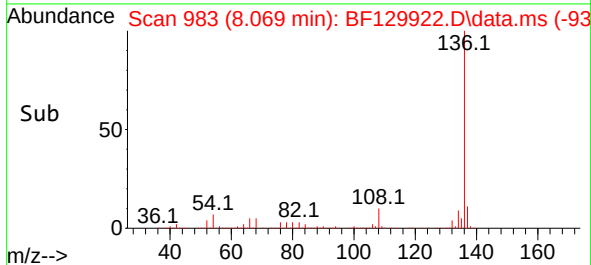
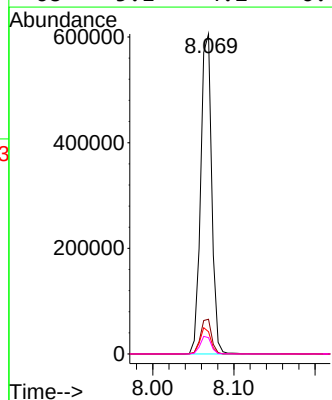
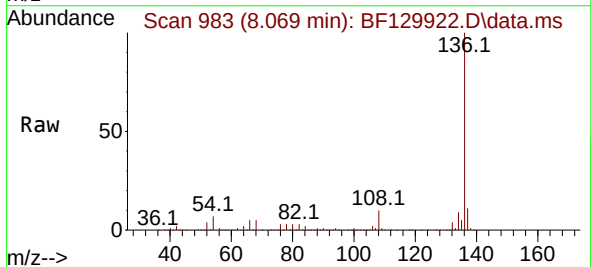
Instrument :  
BNA\_F  
ClientSampleId :  
BLDG-4-BASEMENT-DRUM

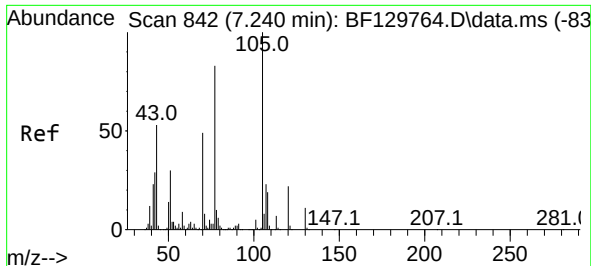
Tgt Ion: 70 Resp: 129674  
Ion Ratio Lower Upper  
70 100  
42 46.3 47.6 71.4#  
101 0.0 8.1 12.1#  
130 2.1 17.2 25.8#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.069 min Scan# 983  
Delta R.T. -0.000 min  
Lab File: BF129922.D  
Acq: 19 Aug 2022 22:03

Tgt Ion: 136 Resp: 573383  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.4 12.6  
54 7.0 6.2 9.2  
68 5.1 4.2 6.4

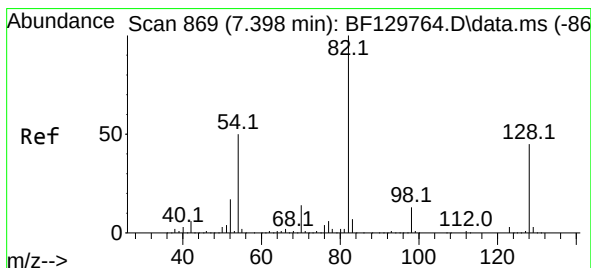
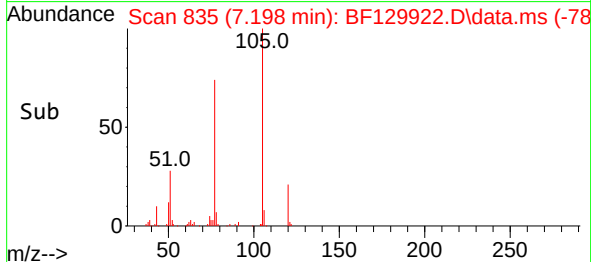
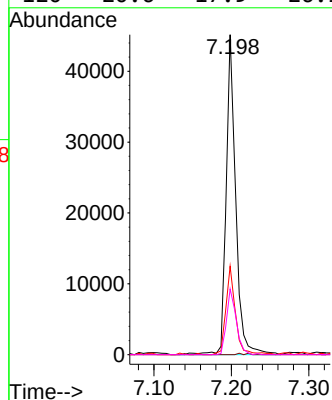
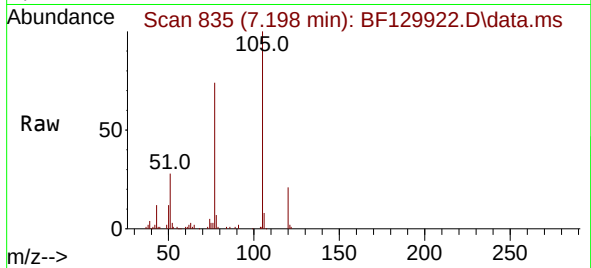




#22  
Acetophenone  
Concen: 2.767 ng  
RT: 7.198 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF129922.D  
Acq: 19 Aug 2022 22:03

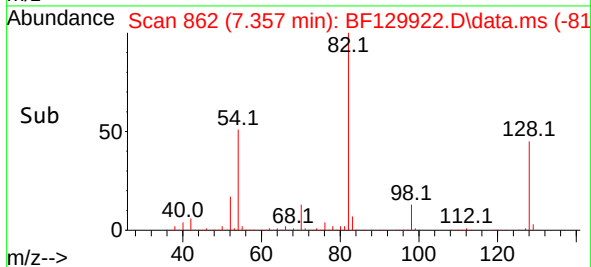
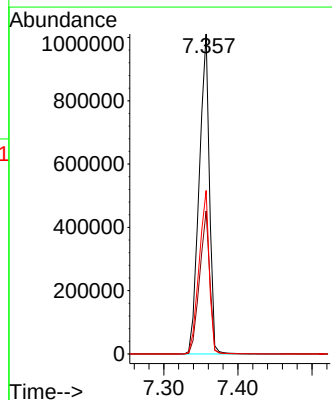
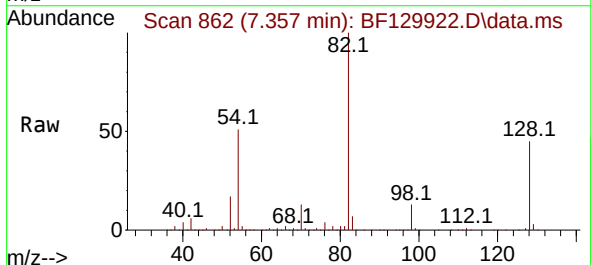
Instrument :  
BNA\_F  
ClientSampleId :  
BLDG-4-BASEMENT-DRUM

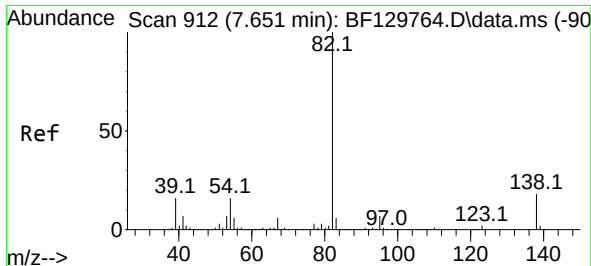
Tgt Ion:105 Resp: 38659  
Ion Ratio Lower Upper  
105 100  
71 0.0 6.6 9.8#  
51 27.7 23.8 35.8  
120 20.6 17.9 26.9



#23  
Nitrobenzene-d5  
Concen: 90.696 ng  
RT: 7.357 min Scan# 862  
Delta R.T. -0.000 min  
Lab File: BF129922.D  
Acq: 19 Aug 2022 22:03

Tgt Ion: 82 Resp: 971455  
Ion Ratio Lower Upper  
82 100  
128 44.7 36.1 54.1  
54 51.1 40.0 60.0

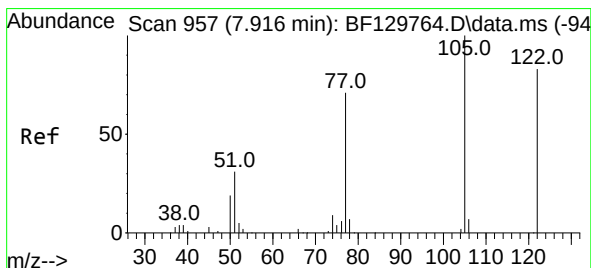
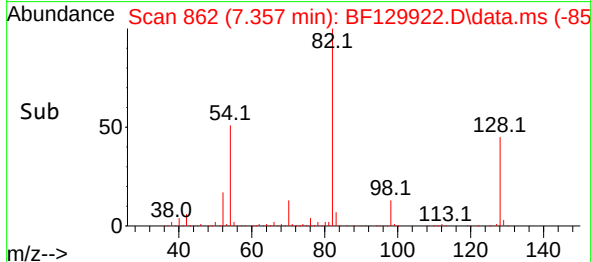
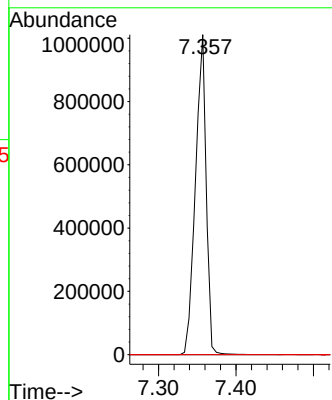
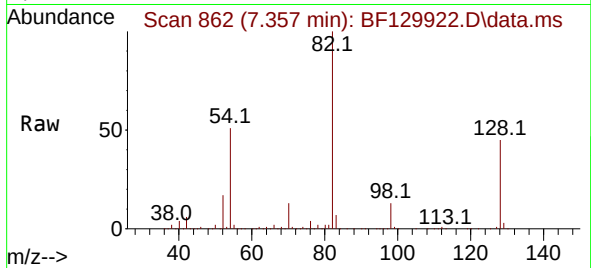




#25  
Isophorone  
Concen: 52.695 ng  
RT: 7.357 min Scan# 80  
Delta R.T. -0.259 min  
Lab File: BF129922.D  
Acq: 19 Aug 2022 22:03

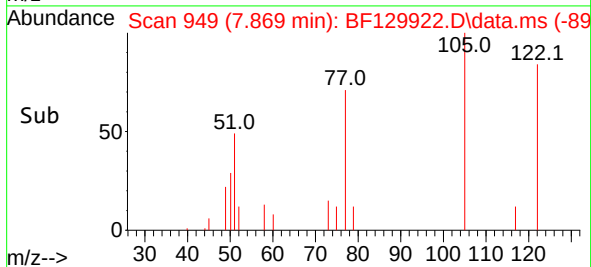
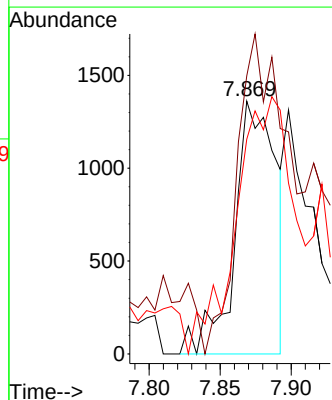
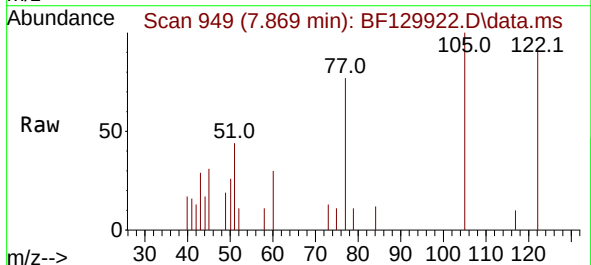
Instrument :  
BNA\_F  
ClientSampleId :  
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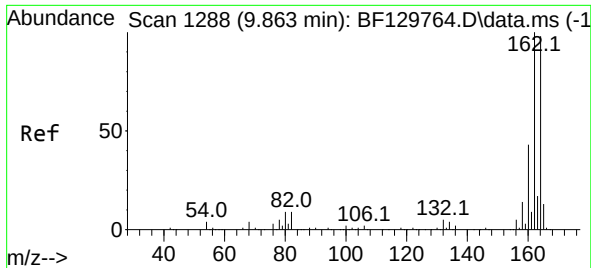
Tgt Ion: 82 Resp: 971444  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 14.6 21.8#



#32  
Benzoic acid  
Concen: 3.207 ng  
RT: 7.869 min Scan# 949  
Delta R.T. -0.006 min  
Lab File: BF129922.D  
Acq: 19 Aug 2022 22:03

Tgt Ion:122 Resp: 2753  
Ion Ratio Lower Upper  
122 100  
105 110.0 99.9 139.9  
77 84.9 65.9 105.9

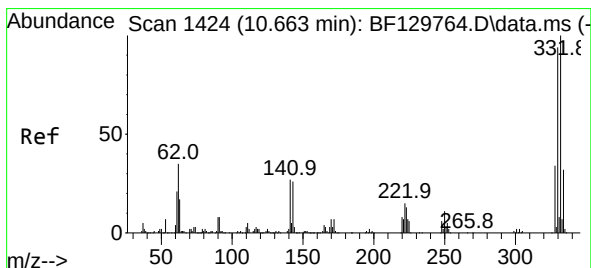
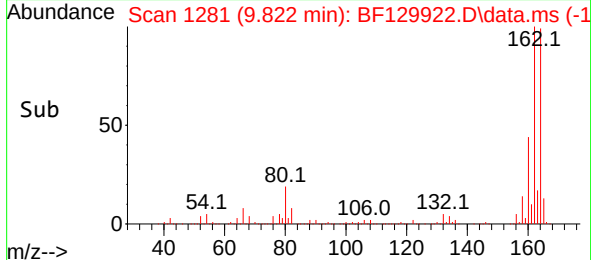
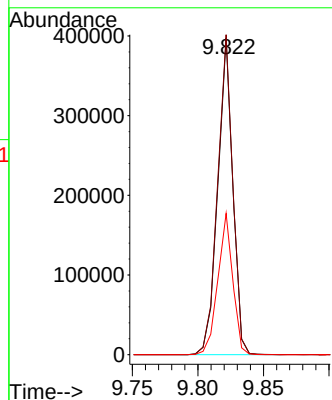
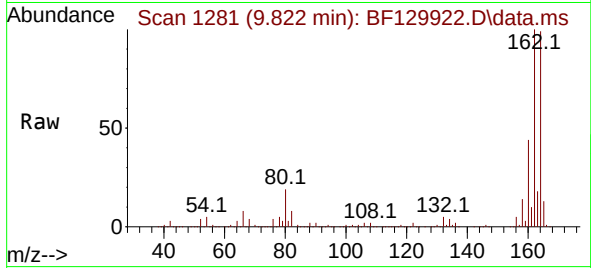




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.822 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF129922.D  
Acq: 19 Aug 2022 22:03

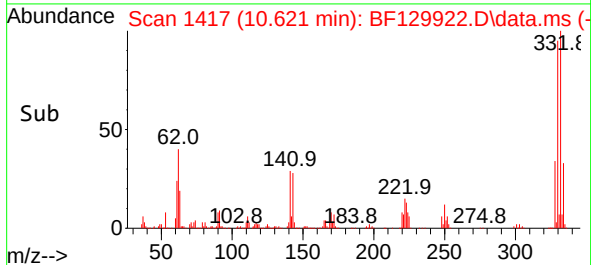
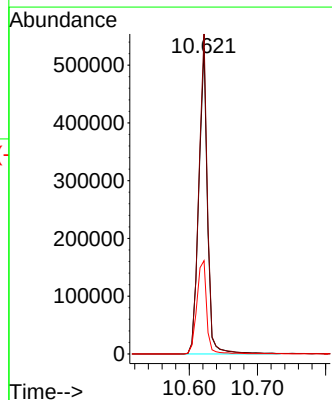
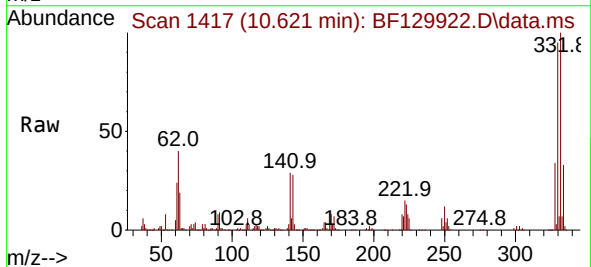
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:164 Resp: 316560  
Ion Ratio Lower Upper  
164 100  
162 101.1 82.0 123.0  
160 44.6 35.4 53.0

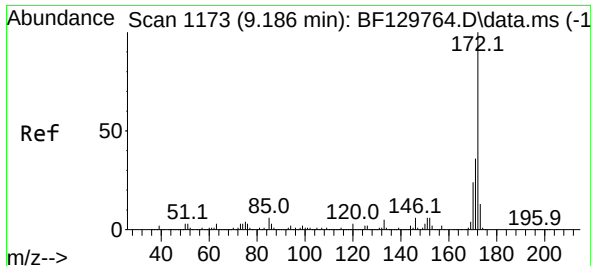


#42  
2,4,6-Tribromophenol  
Concen: 146.815 ng  
RT: 10.621 min Scan# 1417  
Delta R.T. -0.000 min  
Lab File: BF129922.D  
Acq: 19 Aug 2022 22:03

Tgt Ion:330 Resp: 466455  
Ion Ratio Lower Upper  
330 100  
332 103.5 82.6 124.0  
141 35.0 27.6 41.4



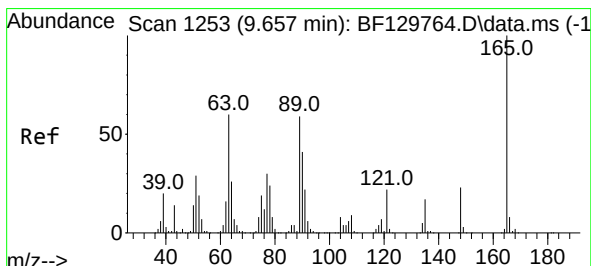
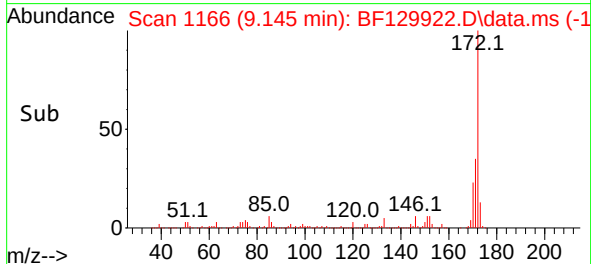
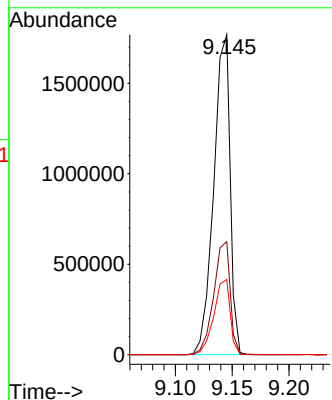
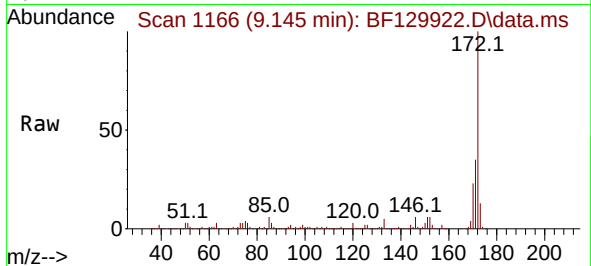




#45  
2-Fluorobiphenyl  
Concen: 85.274 ng  
RT: 9.145 min Scan# 1173  
Delta R.T. -0.000 min  
Lab File: BF129922.D  
Acq: 19 Aug 2022 22:03

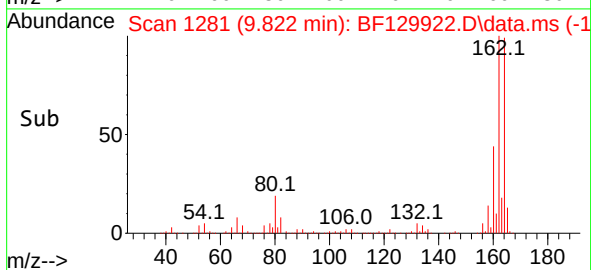
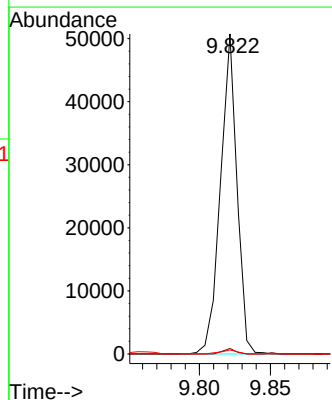
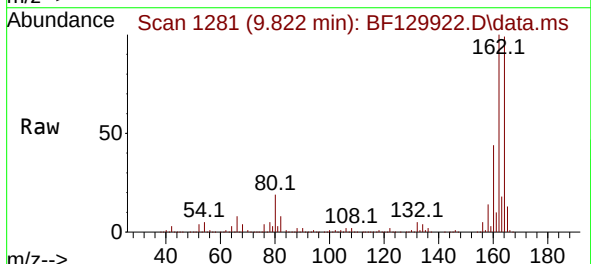
Instrument :  
BNA\_F  
ClientSampleId :  
BLDG-4-BASEMENT-DRUM

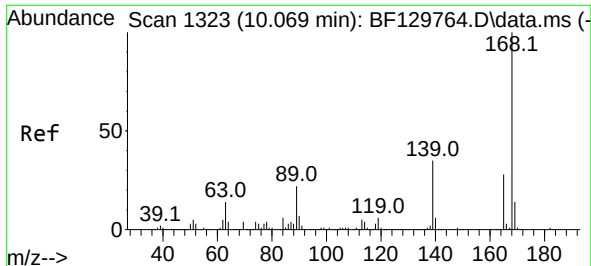
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Ion Ratio Lower Upper  
172 100  
171 35.3 28.4 42.6  
170 23.5 19.1 28.7



#51  
2,6-Dinitrotoluene  
Concen: 8.316 ng  
RT: 9.822 min Scan# 1281  
Delta R.T. 0.200 min  
Lab File: BF129922.D  
Acq: 19 Aug 2022 22:03

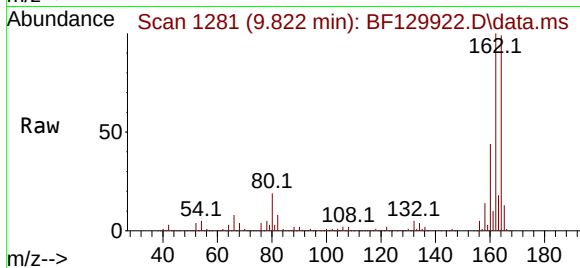
Tgt Ion:165 Resp: 40938  
Ion Ratio Lower Upper  
165 100  
63 1.7 47.8 71.8#  
89 1.3 47.2 70.8#



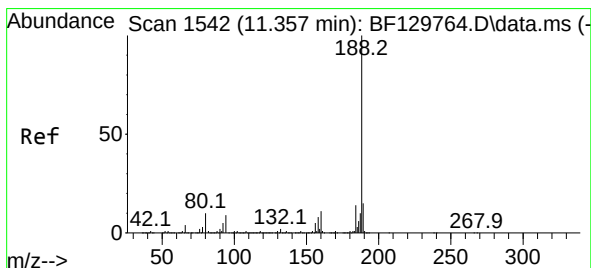
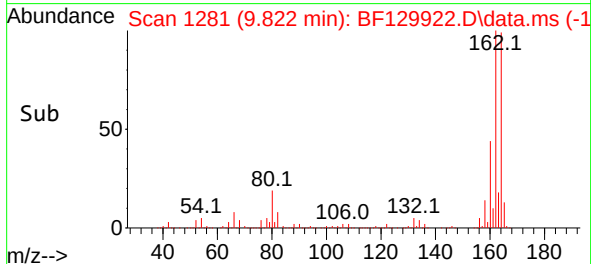
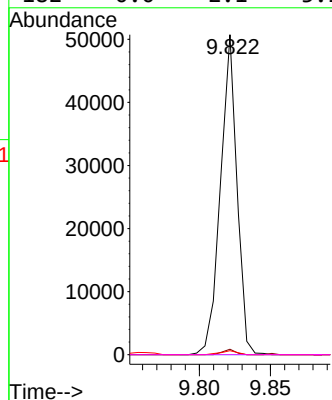


#57  
2,4-Dinitrotoluene  
Concen: 6.406 ng  
RT: 9.822 min Scan# 11  
Delta R.T. -0.212 min  
Lab File: BF129922.D  
Acq: 19 Aug 2022 22:03

Instrument :  
BNA\_F  
ClientSampleId :  
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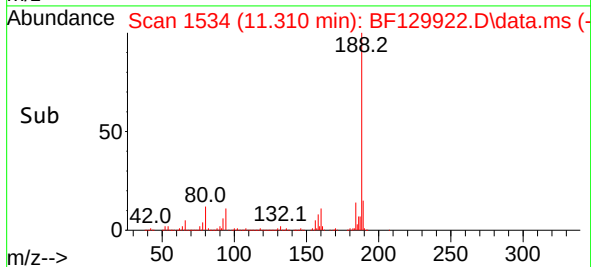
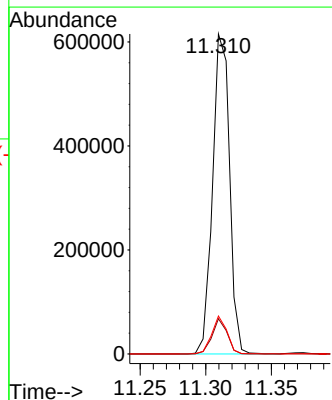
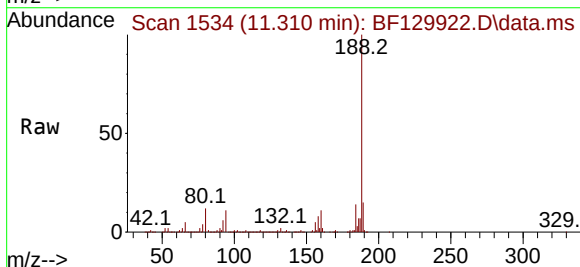


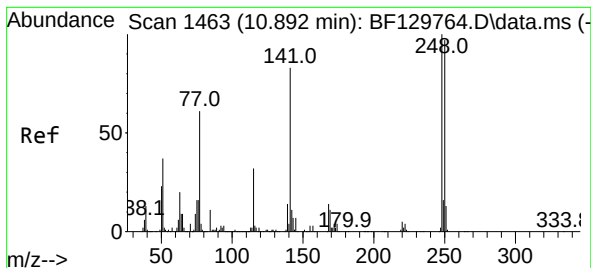
Tgt Ion:165 Resp: 40938  
Ion Ratio Lower Upper  
165 100  
63 1.7 48.4 72.6#  
89 1.3 62.3 93.5#  
182 0.0 2.1 3.1#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.310 min Scan# 1534  
Delta R.T. -0.006 min  
Lab File: BF129922.D  
Acq: 19 Aug 2022 22:03

Tgt Ion:188 Resp: 553136  
Ion Ratio Lower Upper  
188 100  
94 11.0 7.4 11.2  
80 11.9 7.9 11.9

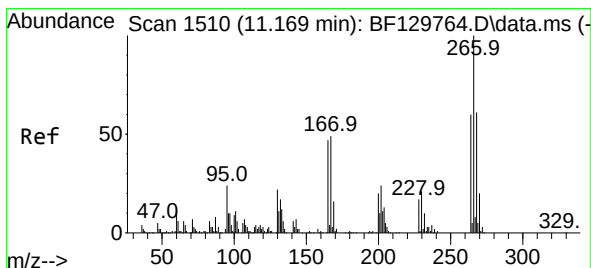
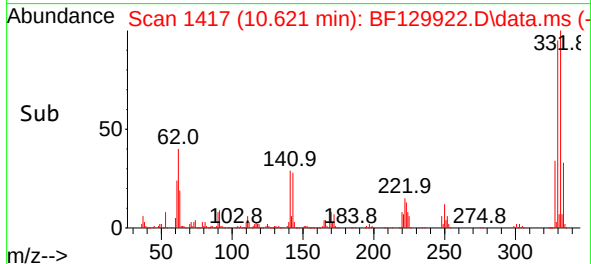
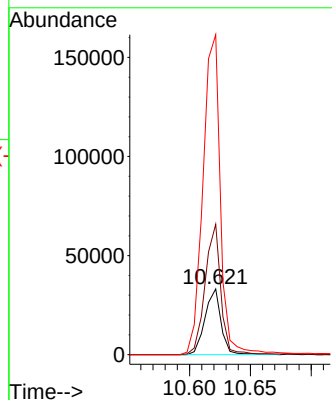
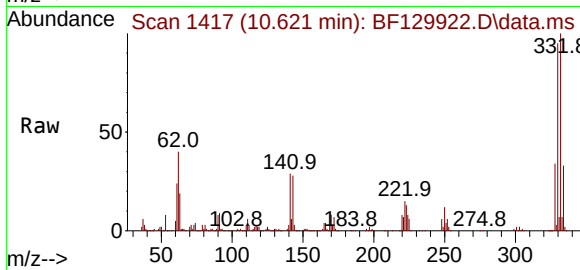




#67  
4-Bromophenyl-phenylether  
Concen: 4.707 ng  
RT: 10.621 min Scan# 14  
Delta R.T. -0.230 min  
Lab File: BF129922.D  
Acq: 19 Aug 2022 22:03

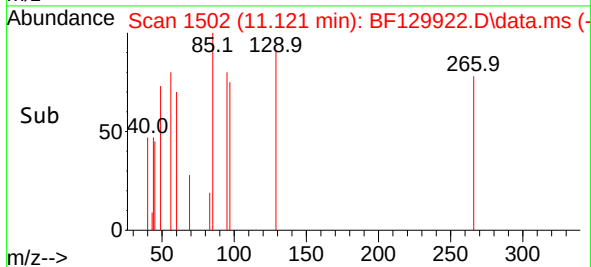
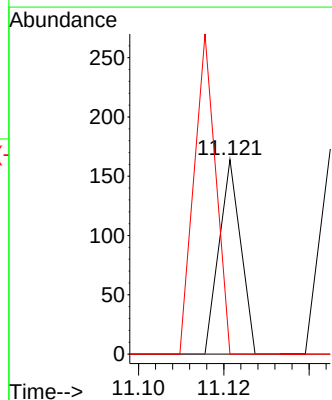
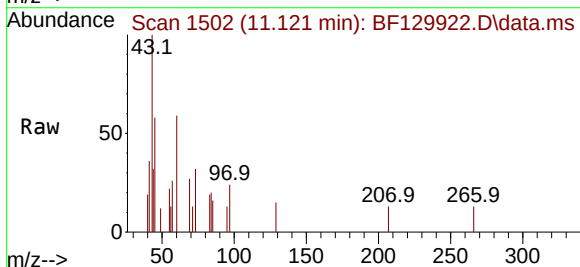
Instrument :  
BNA\_F  
ClientSampleId :  
BLDG-4-BASEMENT-DRUM

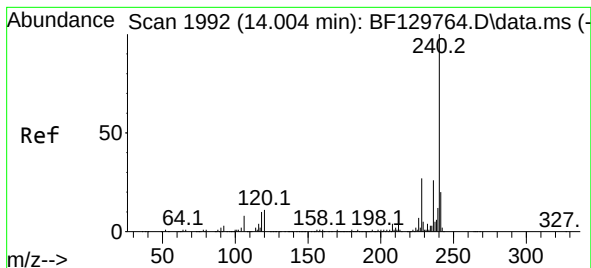
Tgt Ion:248 Resp: 30495  
Ion Ratio Lower Upper  
248 100  
250 198.0 77.8 116.6#  
141 486.0 66.2 99.2#



#70  
Pentachlorophenol  
Concen: 5.207 ng  
RT: 11.121 min Scan# 1502  
Delta R.T. -0.012 min  
Lab File: BF129922.D  
Acq: 19 Aug 2022 22:03

Tgt Ion:266 Resp: 58  
Ion Ratio Lower Upper  
266 100  
268 0.0 49.0 73.4#  
264 0.0 47.9 71.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 1805

Delta R.T. -0.006 min

Lab File: BF129922.D

Acq: 19 Aug 2022 22:03

Instrument :

BNA\_F

ClientSampleId :

BLDG-4-BASEMENT-DRUM

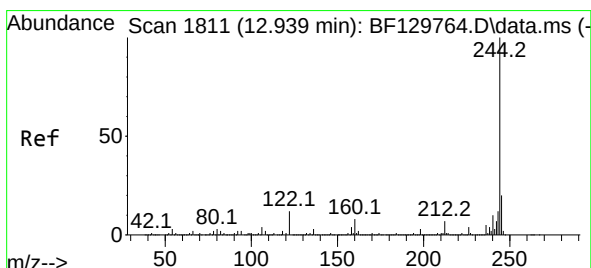
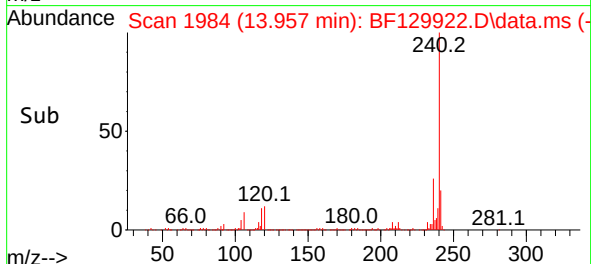
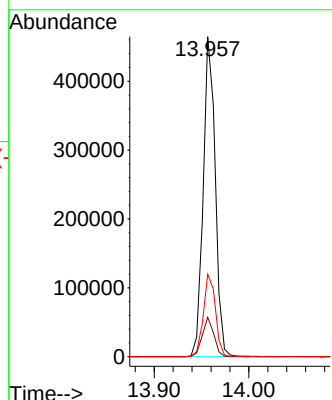
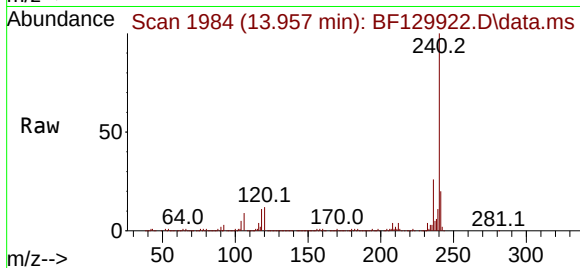
Tgt Ion:240 Resp: 411362

Ion Ratio Lower Upper

240 100

120 12.3 9.2 13.8

236 25.8 20.7 31.1



#79

Terphenyl-d14

Concen: 87.314 ng

RT: 12.904 min Scan# 1805

Delta R.T. 0.006 min

Lab File: BF129922.D

Acq: 19 Aug 2022 22:03

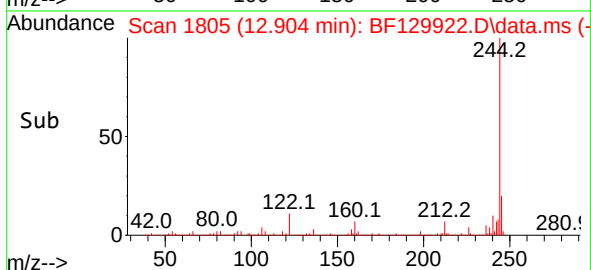
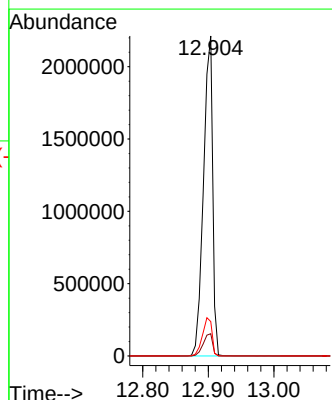
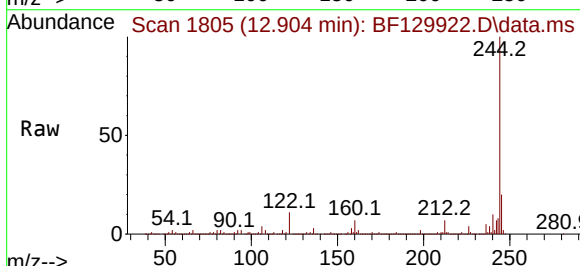
Tgt Ion:244 Resp: 2158600

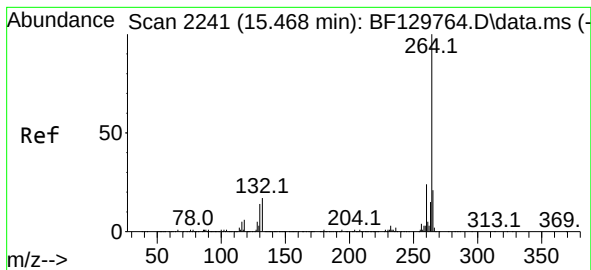
Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 10.7 9.9 14.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF129922.D

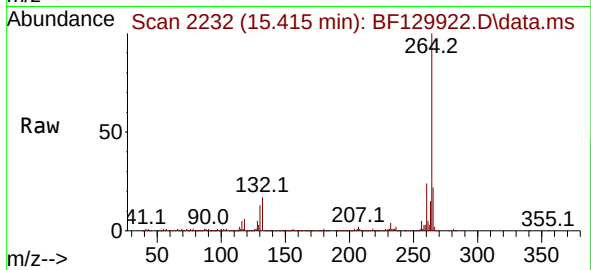
Acq: 19 Aug 2022 22:03

Instrument :

BNA\_F

ClientSampleId :

BLDG-4-BASEMENT-DRUM



Tgt Ion:264 Resp: 307032

Ion Ratio Lower Upper

264 100

260 23.7 19.1 28.7

265 21.8 16.7 25.1

