

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF032122\  
 Data File : BF127442.D  
 Acq On : 22 Mar 2022 08:30  
 Operator : CG\JU  
 Sample : N1962-14  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Mar 22 09:00:22 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 22 02:16:33 2022  
 Response via : Initial Calibration

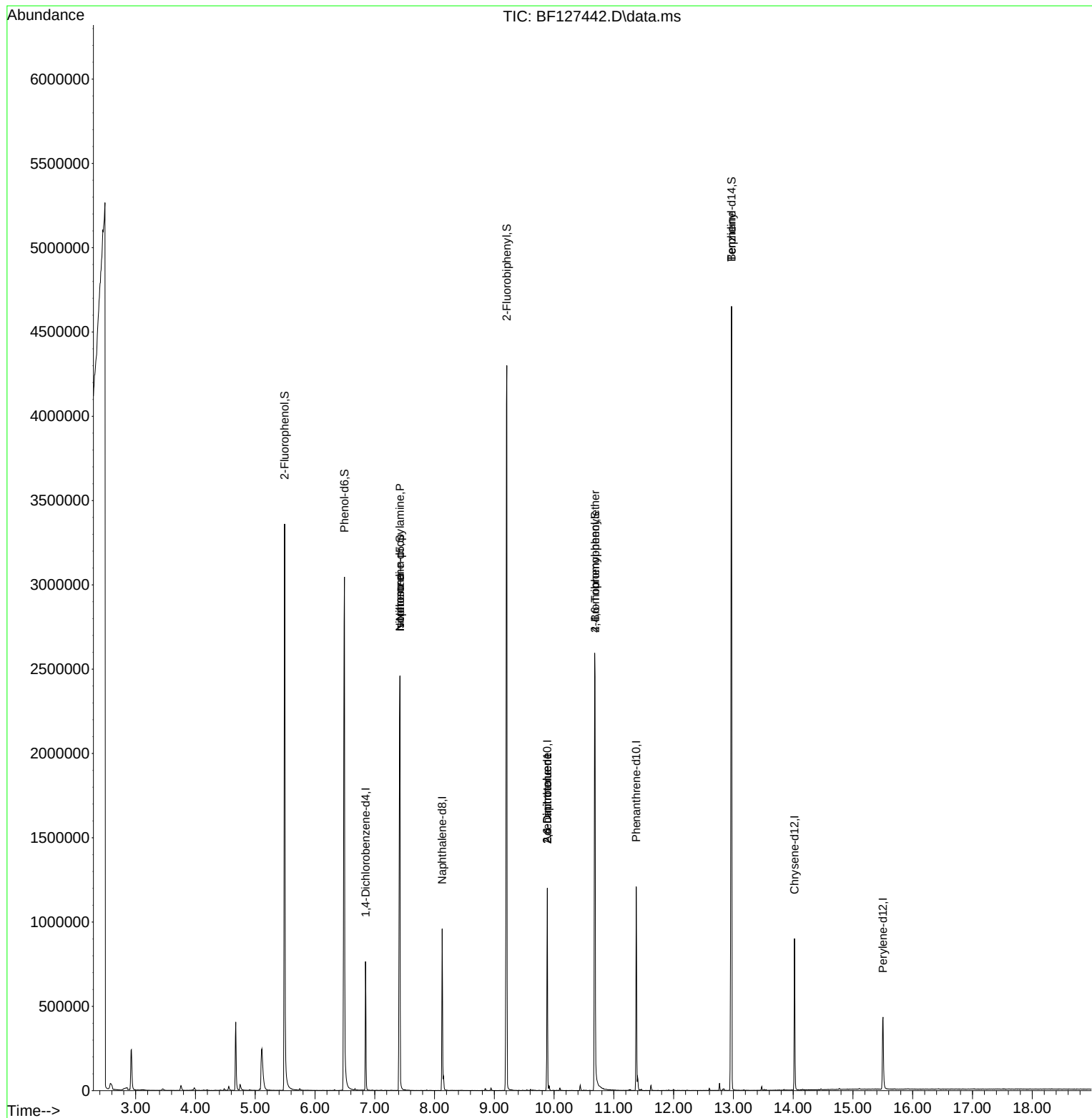
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.845  | 152  | 100810   | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.128  | 136  | 379957   | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.886  | 164  | 224466   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.374 | 188  | 411325   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 14.021 | 240  | 294671   | 20.000    | ng     | 0.00     |
| 86) Perylene-d12              | 15.504 | 264  | 211127   | 20.000    | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.492  | 112  | 922479   | 146.065   | ng     | 0.02     |
| 7) Phenol-d6                  | 6.492  | 99   | 1199574  | 138.955   | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.422  | 82   | 931919   | 104.842   | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.686 | 330  | 389275   | 162.799   | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.210  | 172  | 1542518  | 100.346   | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.968 | 244  | 1841045  | 102.278   | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.492  | 77   | 2392     | Below Cal | #      | 7        |
| 19) n-Nitroso-di-n-propyla... | 7.422  | 70   | 128843   | 24.899 ng | #      | 78       |
| 25) Isophorone                | 7.422  | 82   | 931910   | 65.826 ng | #      | 70       |
| 51) 2,6-Dinitrotoluene        | 9.886  | 165  | 28659    | 8.743 ng  | #      | 17       |
| 55) Dibenzofuran              | 10.098 | 168  | 6107     | Below Cal |        | 92       |
| 57) 2,4-Dinitrotoluene        | 9.886  | 165  | 28659    | 6.793 ng  | #      | 13       |
| 58) Fluorene                  | 10.439 | 166  | 8682     | Below Cal |        | 100      |
| 67) 4-Bromophenyl-phenylether | 10.686 | 248  | 24432    | 5.088 ng  | #      | 1        |
| 77) Benzidine                 | 12.968 | 184  | 22731    | 3.235 ng  | #      | 92       |
| -----                         |        |      |          |           |        |          |

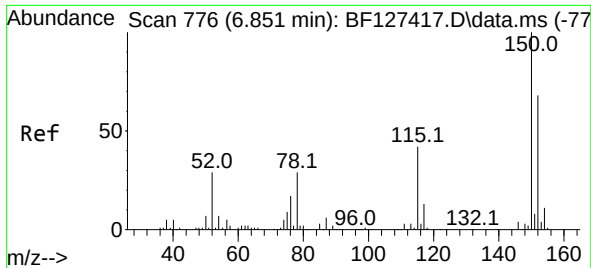
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF032122\  
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Sample : N1962-14  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Mar 22 09:00:22 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 22 02:16:33 2022  
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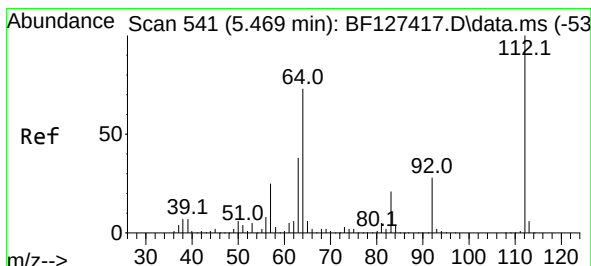
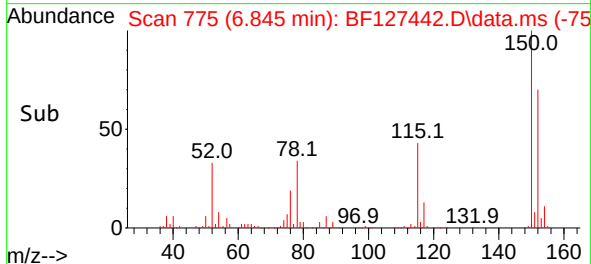
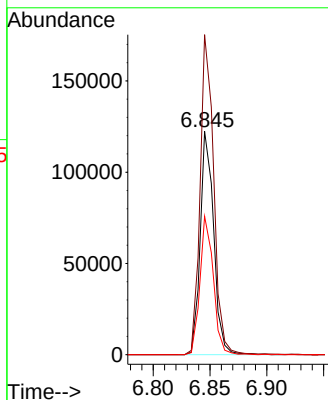
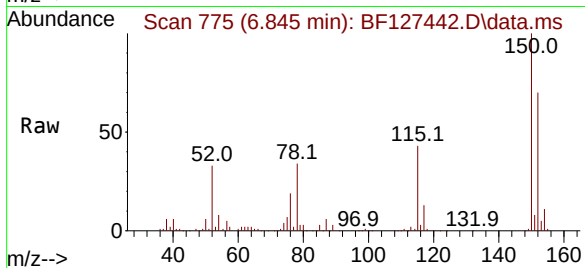




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.845 min Scan# 71  
 Delta R.T. -0.006 min  
 Lab File: BF127442.D  
 Acq: 22 Mar 2022 08:30

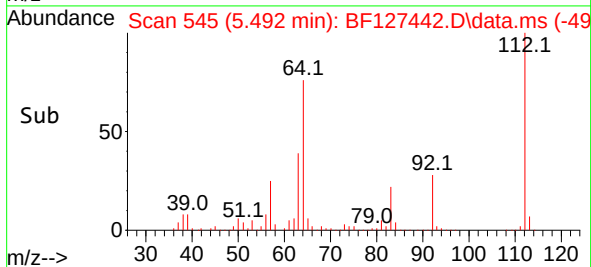
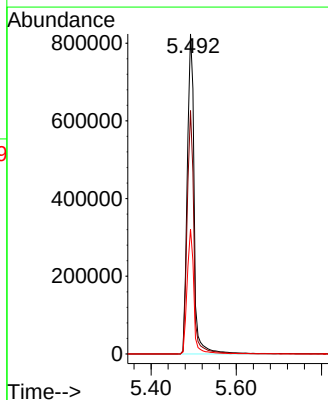
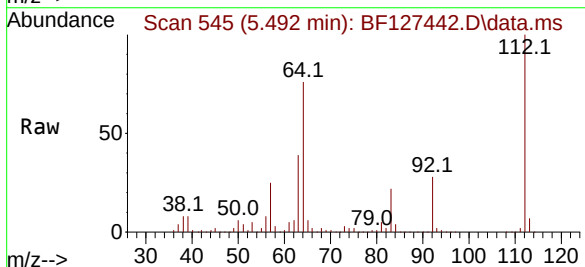
Instrument :  
 BNA\_F  
 ClientSampleId :

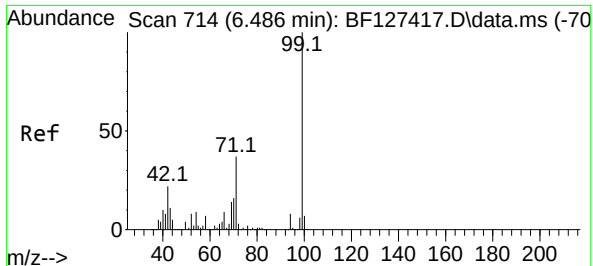
Tgt Ion:152 Resp: 100810  
 Ion Ratio Lower Upper  
 152 100  
 150 143.3 117.2 175.8  
 115 62.0 49.8 74.6



#5  
 2-Fluorophenol  
 Concen: 146.065 ng  
 RT: 5.492 min Scan# 545  
 Delta R.T. 0.024 min  
 Lab File: BF127442.D  
 Acq: 22 Mar 2022 08:30

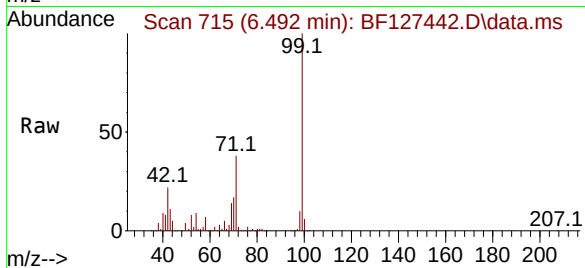
Tgt Ion:112 Resp: 922479  
 Ion Ratio Lower Upper  
 112 100  
 64 76.1 58.4 87.6  
 63 39.0 30.1 45.1





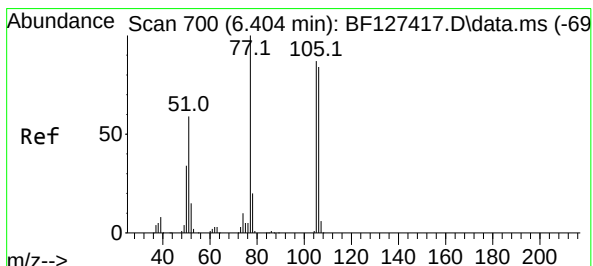
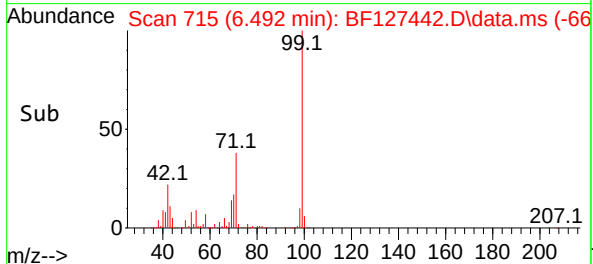
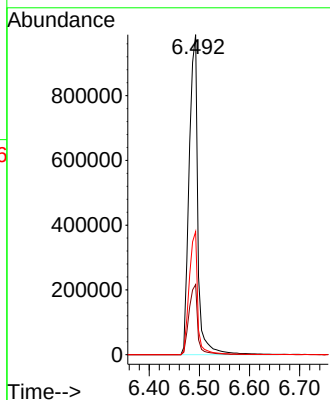
#7  
Phenol-d6  
Concen: 138.955 ng  
RT: 6.492 min Scan# 715  
Delta R.T. 0.006 min  
Lab File: BF127442.D  
Acq: 22 Mar 2022 08:30

Instrument :  
BNA\_F  
ClientSampleId :



Tgt Ion: 99 Resp: 1199574

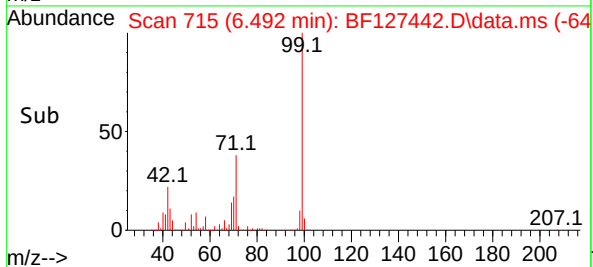
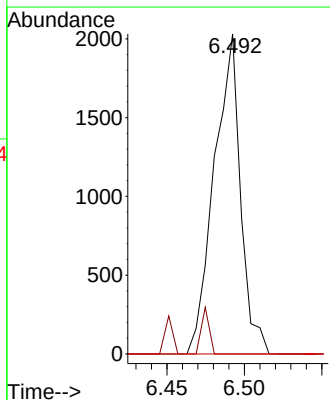
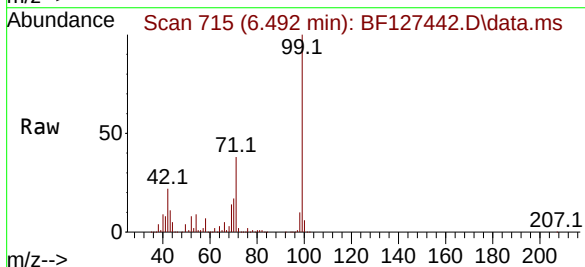
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 21.9  | 17.8  | 26.6  |
| 71  | 38.5  | 29.6  | 44.4  |

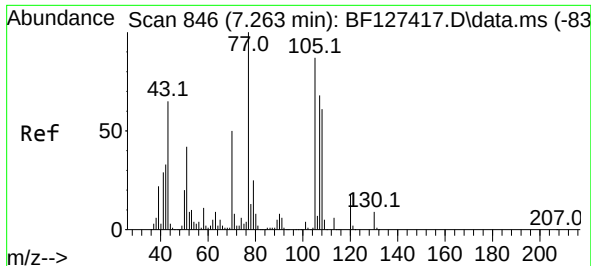


#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.492 min Scan# 715  
Delta R.T. 0.088 min  
Lab File: BF127442.D  
Acq: 22 Mar 2022 08:30

Tgt Ion: 77 Resp: 2392

| 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: 24.899 ng

RT: 7.422 min Scan# 81

Delta R.T. 0.159 min

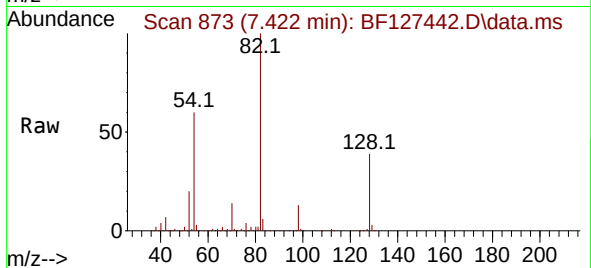
Lab File: BF127442.D

Acq: 22 Mar 2022 08:30

Instrument :

BNA\_F

ClientSampleId :



Tgt Ion: 70 Resp: 128843

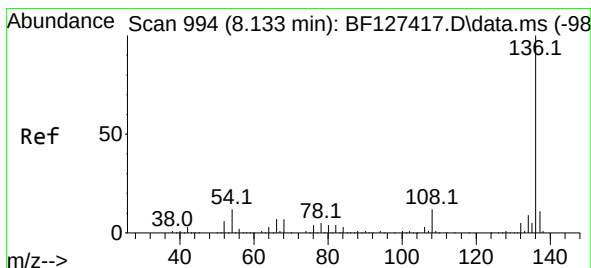
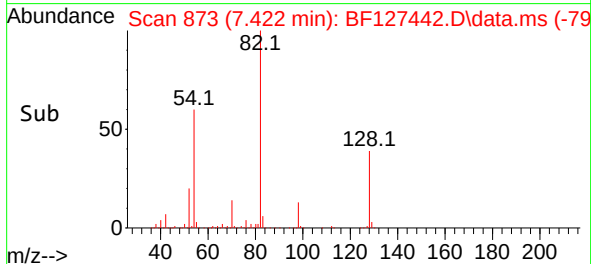
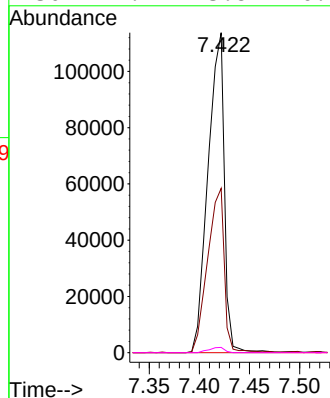
Ion Ratio Lower Upper

70 100

42 51.3 53.0 79.6#

101 0.0 6.8 10.2#

130 1.7 13.8 20.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 993

Delta R.T. -0.006 min

Lab File: BF127442.D

Acq: 22 Mar 2022 08:30

Tgt Ion: 136 Resp: 379957

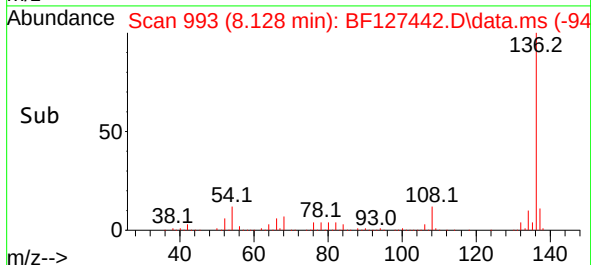
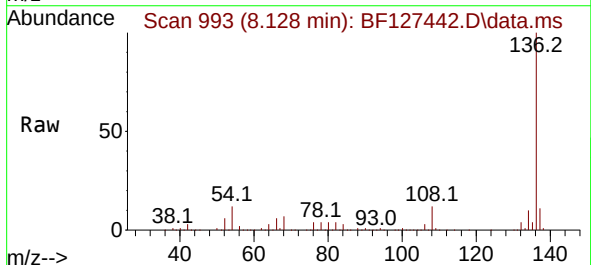
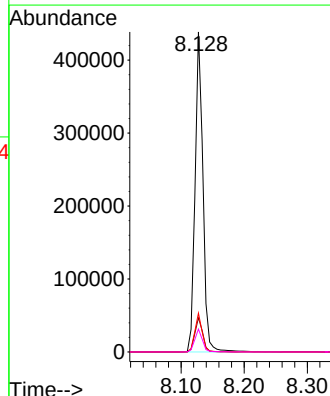
Ion Ratio Lower Upper

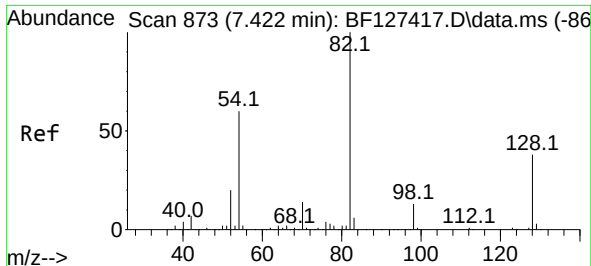
136 100

137 10.6 8.6 13.0

54 12.1 9.2 13.8

68 7.2 5.4 8.0





#23

Nitrobenzene-d5

Concen: 104.842 ng

RT: 7.422 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF127442.D

Acq: 22 Mar 2022 08:30

Instrument :

BNA\_F

ClientSampleId :

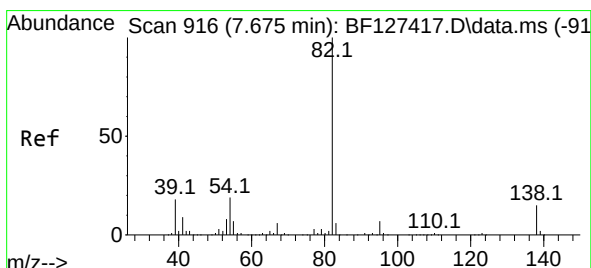
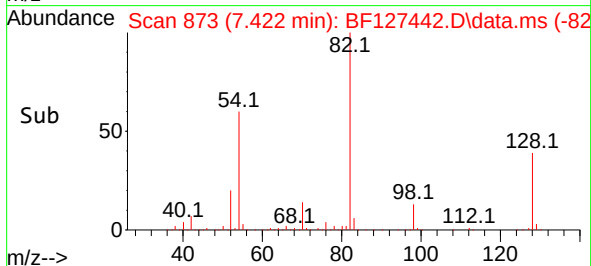
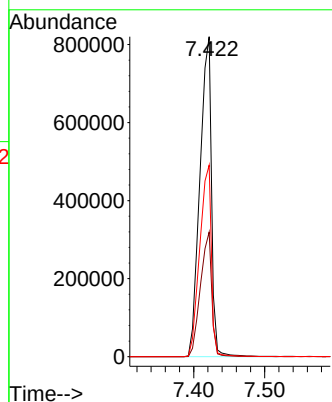
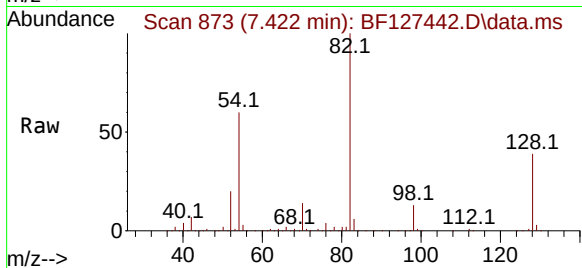
Tgt Ion: 82 Resp: 931919

Ion Ratio Lower Upper

82 100

128 39.0 30.6 45.8

54 59.8 48.2 72.2



#25

Isophorone

Concen: 65.826 ng

RT: 7.422 min Scan# 873

Delta R.T. -0.253 min

Lab File: BF127442.D

Acq: 22 Mar 2022 08:30

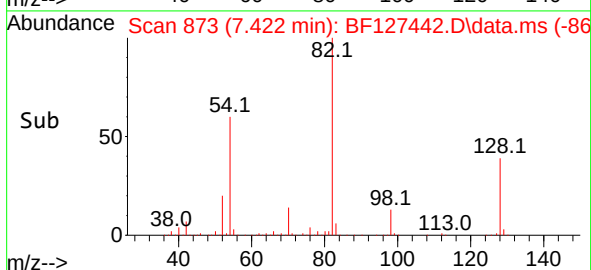
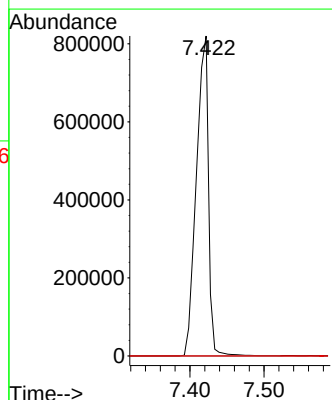
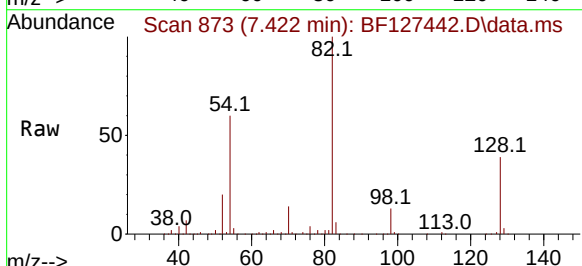
Tgt Ion: 82 Resp: 931910

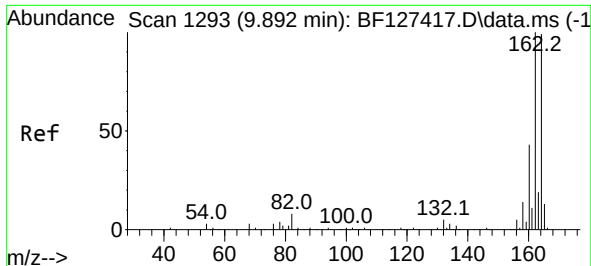
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1292

Delta R.T. -0.006 min

Lab File: BF127442.D

Acq: 22 Mar 2022 08:30

Instrument :

BNA\_F

ClientSampleId :

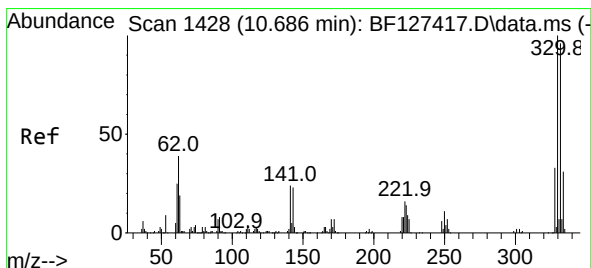
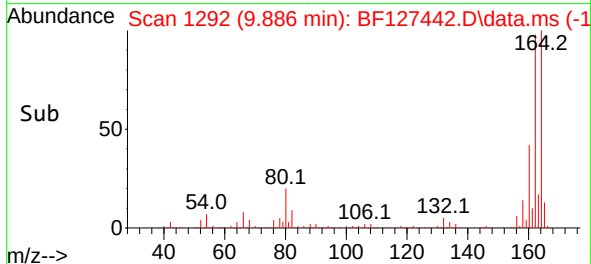
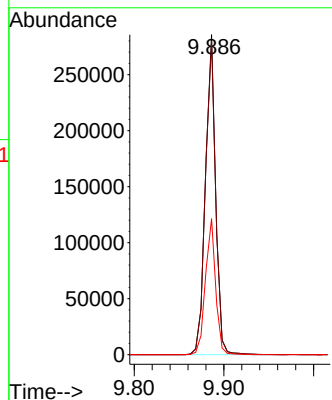
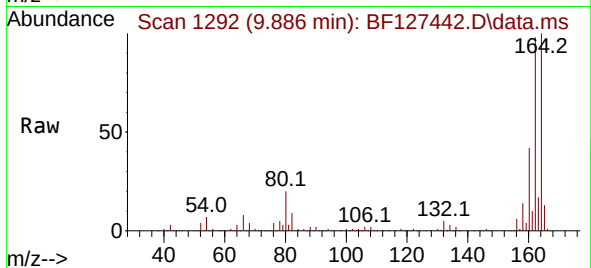
Tgt Ion:164 Resp: 224466

Ion Ratio Lower Upper

164 100

162 98.0 81.2 121.8

160 42.5 34.6 52.0



#42

2,4,6-Tribromophenol

Concen: 162.799 ng

RT: 10.686 min Scan# 1428

Delta R.T. 0.000 min

Lab File: BF127442.D

Acq: 22 Mar 2022 08:30

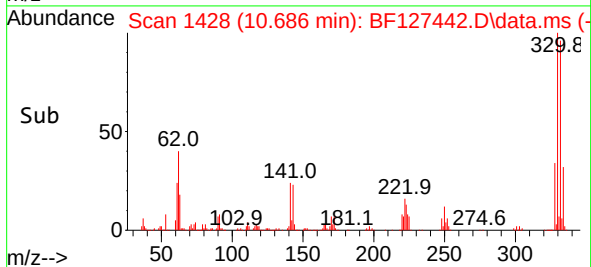
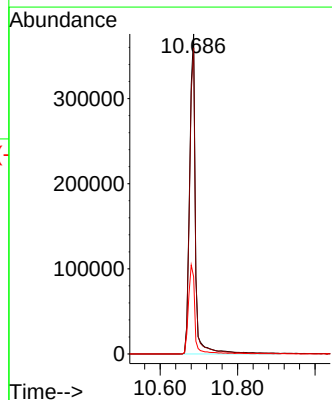
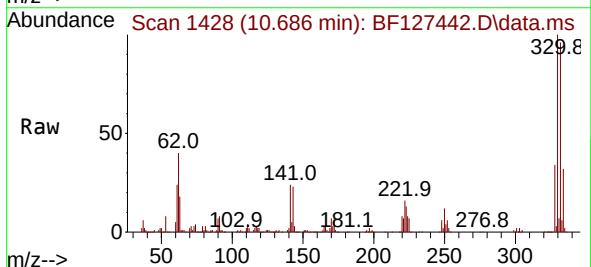
Tgt Ion:330 Resp: 389275

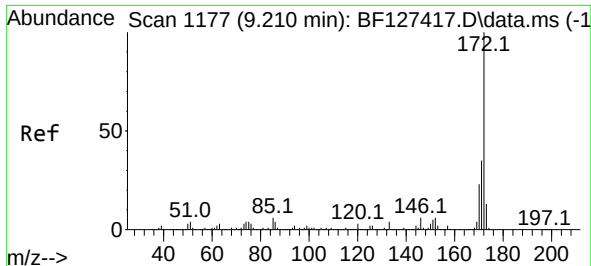
Ion Ratio Lower Upper

330 100

332 95.1 79.1 118.7

141 30.7 26.2 39.4

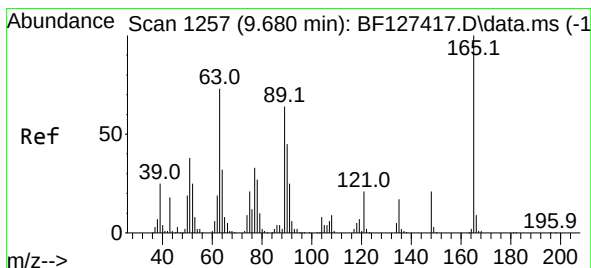
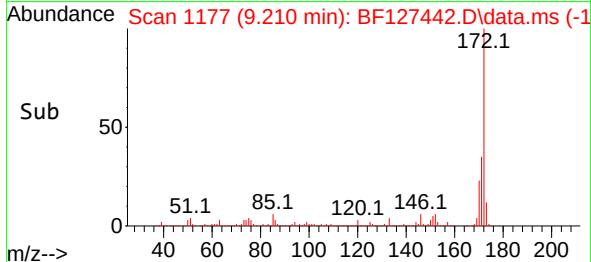
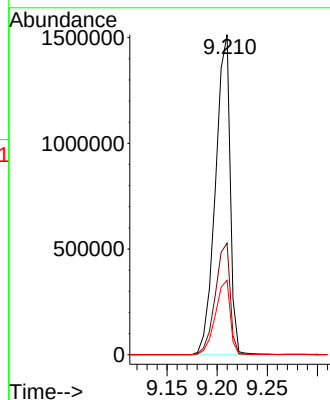
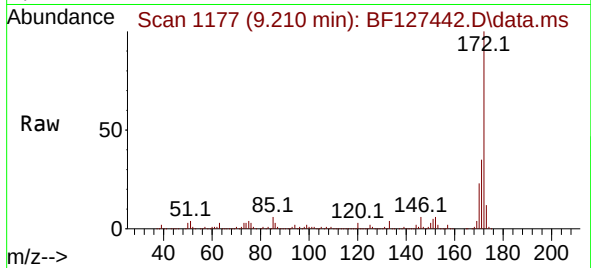




#45  
2-Fluorobiphenyl  
Concen: 100.346 ng  
RT: 9.210 min Scan# 1177  
Delta R.T. 0.000 min  
Lab File: BF127442.D  
Acq: 22 Mar 2022 08:30

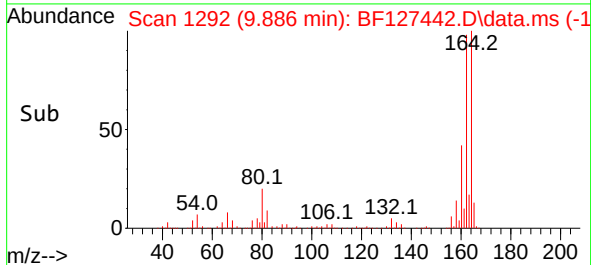
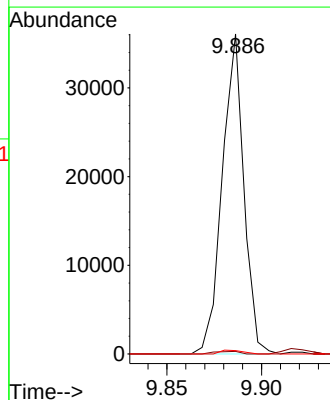
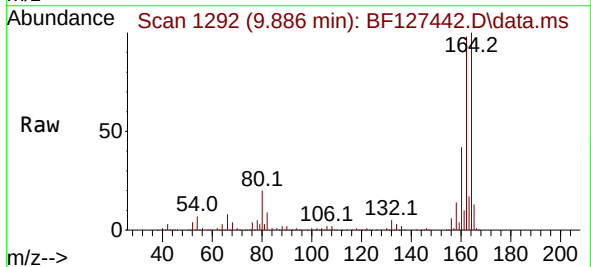
Instrument :  
BNA\_F  
ClientSampleId :

Tgt Ion:172 Resp: 1542518  
Ion Ratio Lower Upper  
172 100  
171 34.8 28.4 42.6  
170 23.2 18.6 27.8

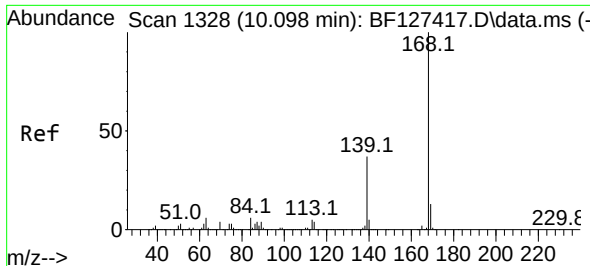


#51  
2,6-Dinitrotoluene  
Concen: 8.743 ng  
RT: 9.886 min Scan# 1292  
Delta R.T. 0.206 min  
Lab File: BF127442.D  
Acq: 22 Mar 2022 08:30

Tgt Ion:165 Resp: 28659  
Ion Ratio Lower Upper  
165 100  
63 0.8 58.3 87.5#  
89 1.1 51.5 77.3#



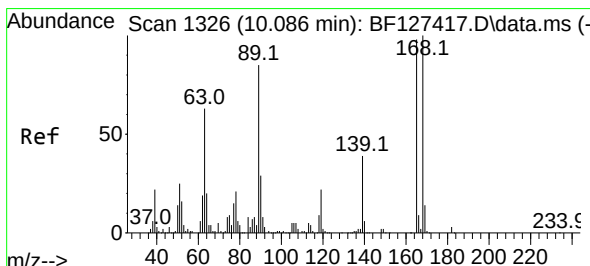
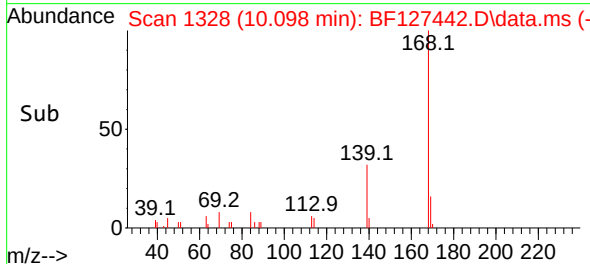
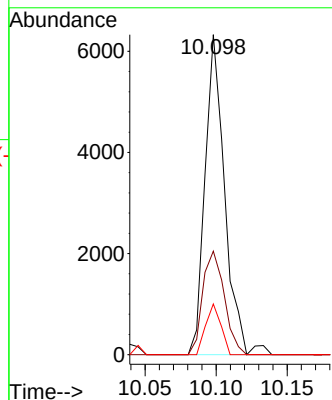
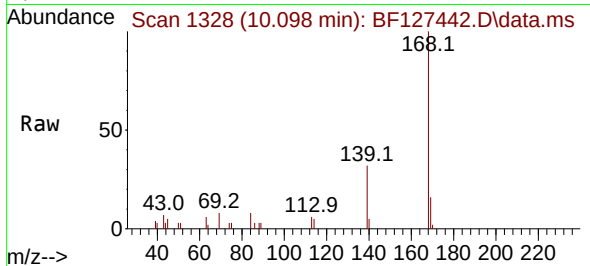




#55  
Dibenzenofuran  
Concen: Below Cal  
RT: 10.098 min Scan# 111  
Delta R.T. 0.000 min  
Lab File: BF127442.D  
Acq: 22 Mar 2022 08:30

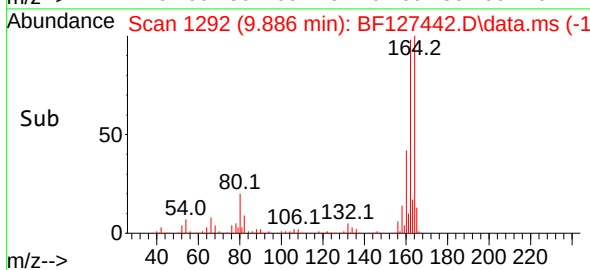
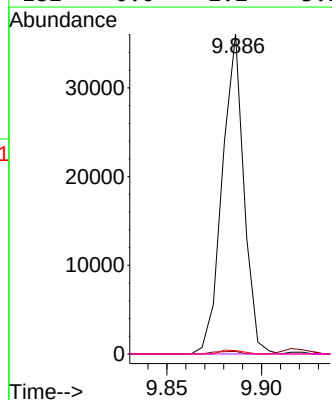
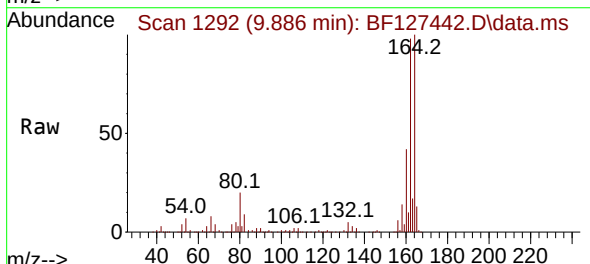
Instrument :  
BNA\_F  
ClientSampleId :

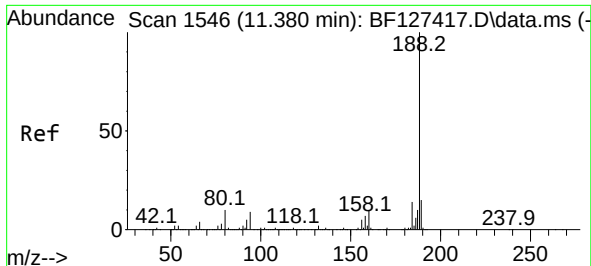
Tgt Ion:168 Resp: 6107  
Ion Ratio Lower Upper  
168 100  
139 32.3 30.3 45.5  
169 15.8 10.8 16.2



#57  
2,4-Dinitrotoluene  
Concen: 6.793 ng  
RT: 9.886 min Scan# 1292  
Delta R.T. -0.200 min  
Lab File: BF127442.D  
Acq: 22 Mar 2022 08:30

Tgt Ion:165 Resp: 28659  
Ion Ratio Lower Upper  
165 100  
63 0.8 53.1 79.7#  
89 1.1 69.2 103.8#  
182 0.0 2.2 3.2#

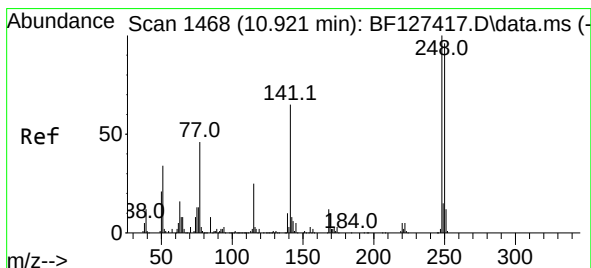
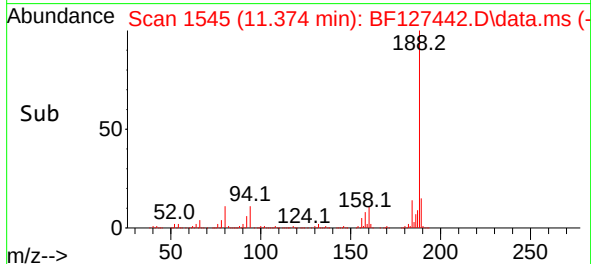
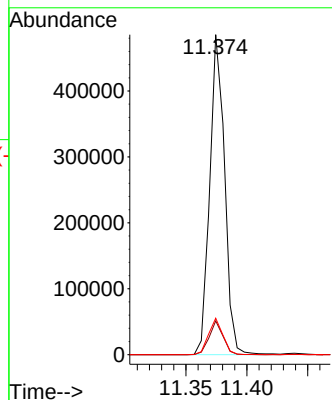
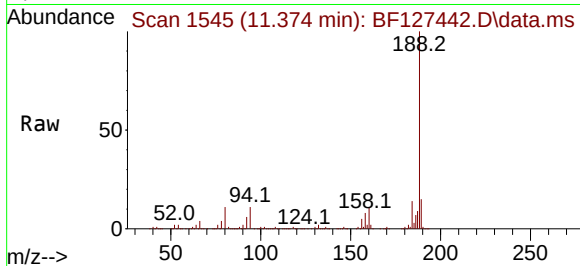




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.374 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF127442.D  
Acq: 22 Mar 2022 08:30

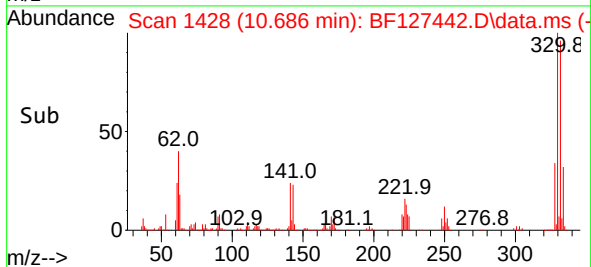
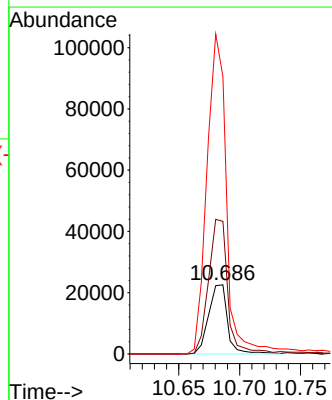
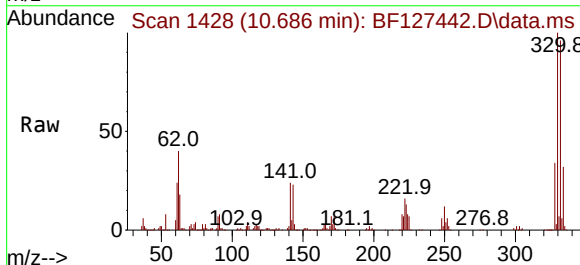
Instrument :  
BNA\_F  
ClientSampleId :

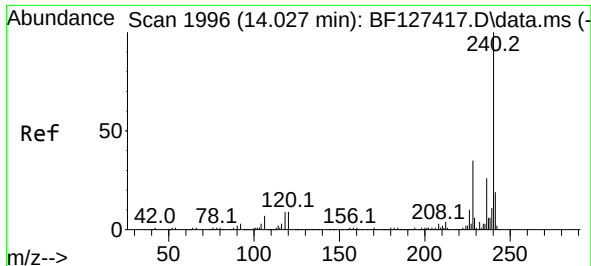
Tgt Ion:188 Resp: 411325  
Ion Ratio Lower Upper  
188 100  
94 10.6 7.4 11.0  
80 11.4 8.0 12.0



#67  
4-Bromophenyl-phenylether  
Concen: 5.088 ng  
RT: 10.686 min Scan# 1428  
Delta R.T. -0.235 min  
Lab File: BF127442.D  
Acq: 22 Mar 2022 08:30

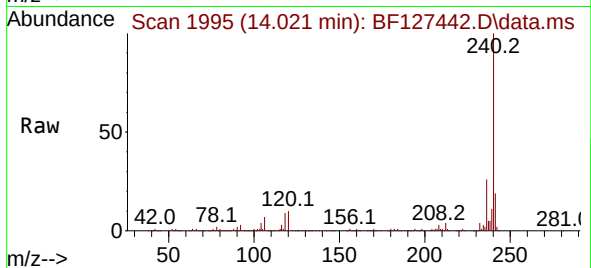
Tgt Ion:248 Resp: 24432  
Ion Ratio Lower Upper  
248 100  
250 191.8 76.6 115.0#  
141 401.2 52.2 78.2#



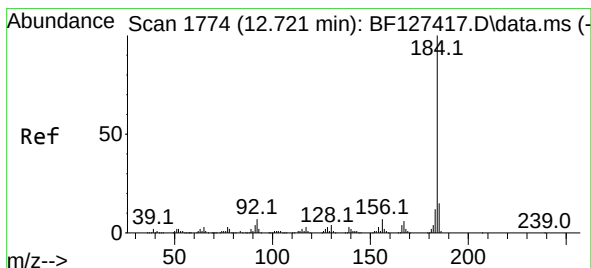
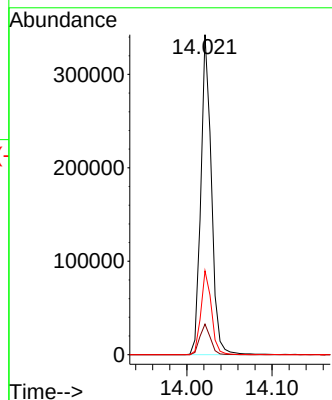
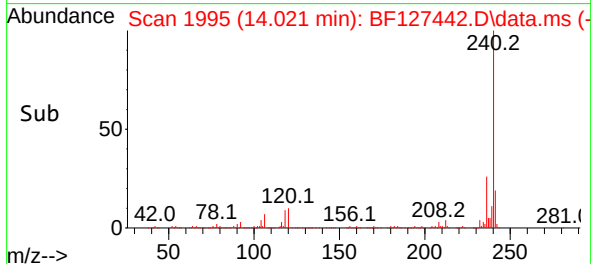


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.021 min Scan# 1995  
Delta R.T. -0.006 min  
Lab File: BF127442.D  
Acq: 22 Mar 2022 08:30

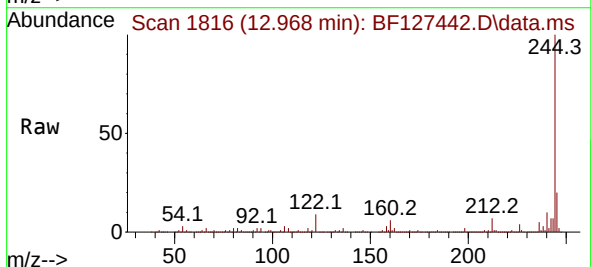
Instrument :  
BNA\_F  
ClientSampleId :



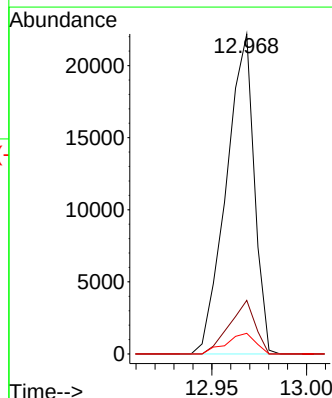
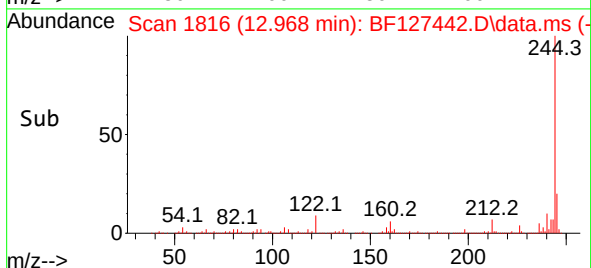
Tgt Ion:240 Resp: 294671  
Ion Ratio Lower Upper  
240 100  
120 9.6 7.1 10.7  
236 26.2 20.7 31.1

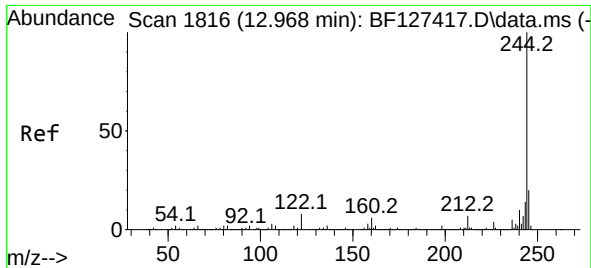


#77  
Benzidine  
Concen: 3.235 ng  
RT: 12.968 min Scan# 1816  
Delta R.T. 0.247 min  
Lab File: BF127442.D  
Acq: 22 Mar 2022 08:30



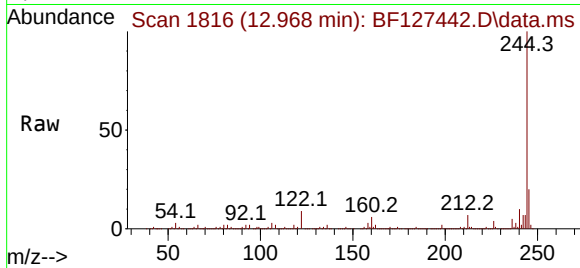
Tgt Ion:184 Resp: 22731  
Ion Ratio Lower Upper  
184 100  
185 16.7 12.2 18.2  
183 6.4 9.4 14.0#



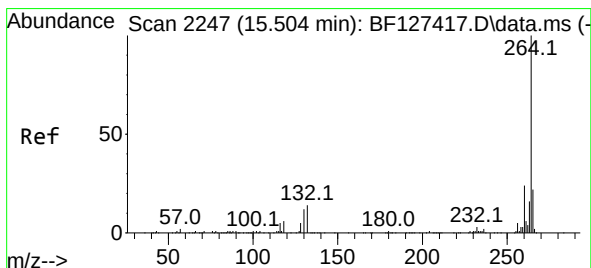
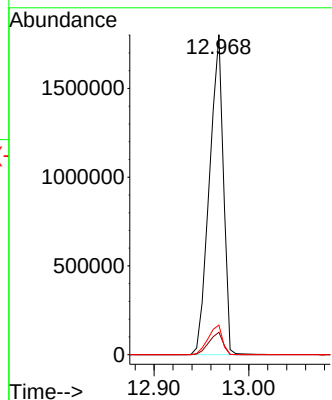
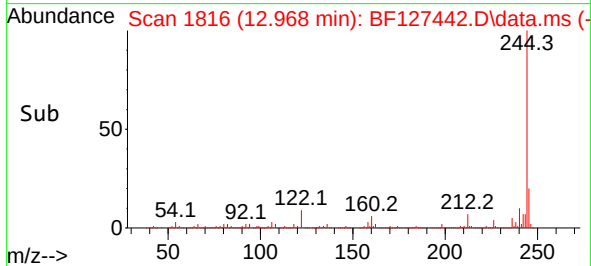


#79  
 Terphenyl-d14  
 Concen: 102.278 ng  
 RT: 12.968 min Scan# 1816  
 Delta R.T. 0.000 min  
 Lab File: BF127442.D  
 Acq: 22 Mar 2022 08:30

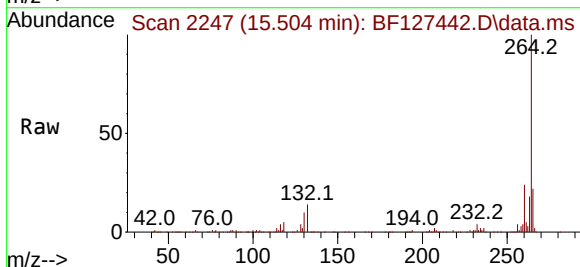
Instrument :  
 BNA\_F  
 ClientSampleId :



Tgt Ion:244 Resp: 1841045  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.7 8.5  
 122 9.3 6.2 9.2#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.504 min Scan# 2247  
 Delta R.T. 0.000 min  
 Lab File: BF127442.D  
 Acq: 22 Mar 2022 08:30



Tgt Ion:264 Resp: 211127  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 19.1 28.7  
 265 21.8 17.4 26.2

