

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF040122\  
 Data File : BF127612.D  
 Acq On : 01 Apr 2022 15:09  
 Operator : CG\JU  
 Sample : N2217-04  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3

Quant Time: Apr 01 16:14:22 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 29 07:13:31 2022  
 Response via : Initial Calibration

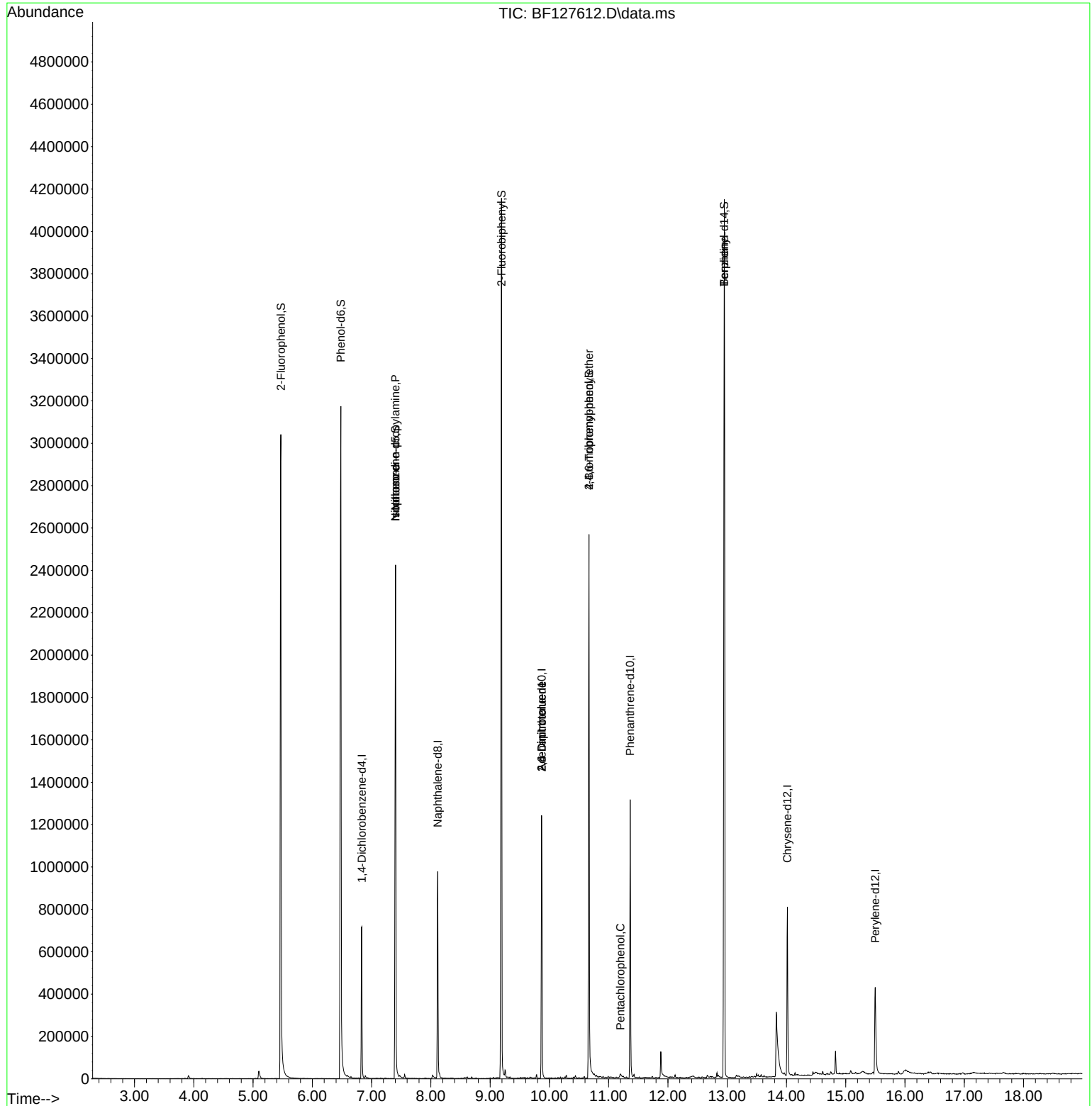
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.834  | 152  | 111244   | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.116  | 136  | 423214   | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.869  | 164  | 243990   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.363 | 188  | 452566   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 14.016 | 240  | 290718   | 20.000    | ng     | 0.00     |
| 86) Perylene-d12              | 15.498 | 264  | 218195   | 20.000    | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.469  | 112  | 869381   | 124.746   | ng     | 0.01     |
| 7) Phenol-d6                  | 6.481  | 99   | 1196032  | 125.550   | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.404  | 82   | 842002   | 85.044    | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 318505   | 122.544   | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.192  | 172  | 1378536  | 82.503    | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 1633976  | 92.008    | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.481  | 77   | 1891     | Below Cal | #      | 7        |
| 19) n-Nitroso-di-n-propyla... | 7.404  | 70   | 112180   | 19.645    | ng     | # 80     |
| 25) Isophorone                | 7.404  | 82   | 841991   | 53.395    | ng     | # 70     |
| 51) 2,6-Dinitrotoluene        | 9.869  | 165  | 30966    | 8.691     | ng     | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.869  | 165  | 30966    | 6.752     | ng     | # 14     |
| 58) Fluorene                  | 10.669 | 166  | 12410    | Below Cal | #      | 92       |
| 67) 4-Bromophenyl-phenylether | 10.669 | 248  | 21366    | 4.044     | ng     | # 1      |
| 70) Pentachlorophenol         | 11.198 | 266  | 1306     | 7.279     | ng     | # 1      |
| 77) Benzidine                 | 12.951 | 184  | 19630    | 2.832     | ng     | # 88     |
| -----                         |        |      |          |           |        |          |

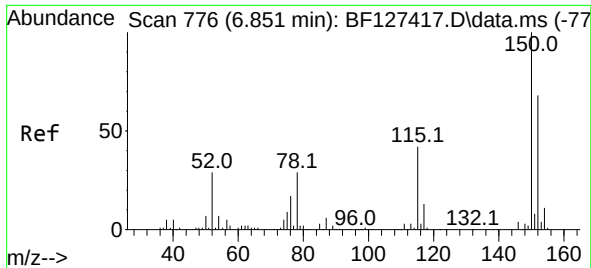
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_F  
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Quant Time: Apr 01 16:14:22 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 29 07:13:31 2022  
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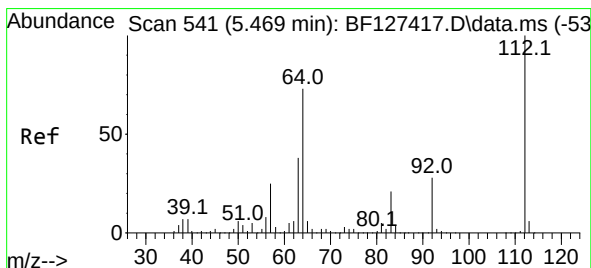
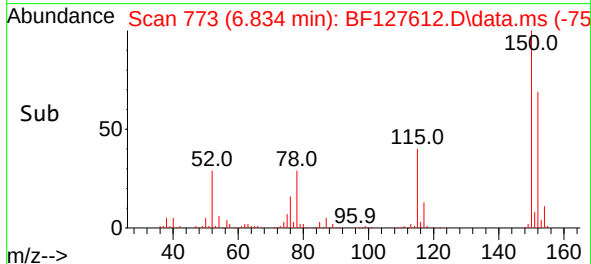
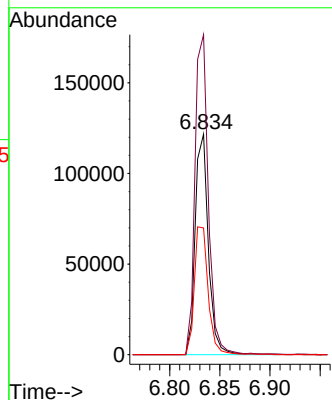
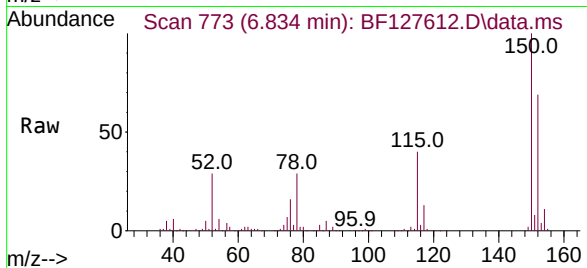




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.834 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: BF127612.D  
Acq: 01 Apr 2022 15:09

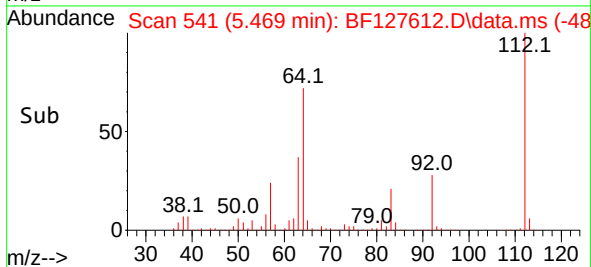
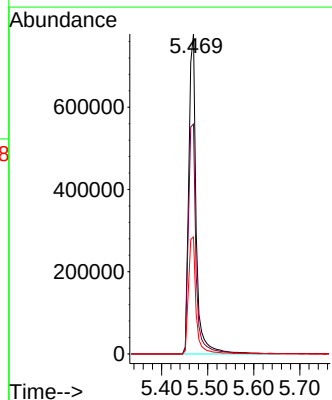
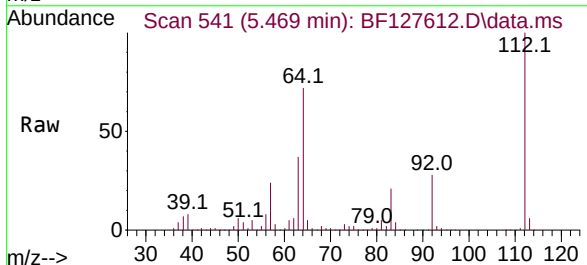
Instrument :  
BNA\_F  
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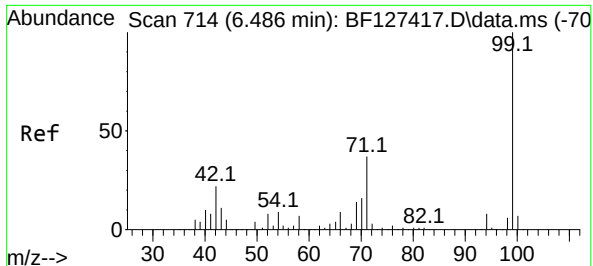
Tgt Ion:152 Resp: 111244  
Ion Ratio Lower Upper  
152 100  
150 145.1 117.2 175.8  
115 57.4 49.8 74.6



#5  
2-Fluorophenol  
Concen: 124.746 ng  
RT: 5.469 min Scan# 541  
Delta R.T. 0.012 min  
Lab File: BF127612.D  
Acq: 01 Apr 2022 15:09

Tgt Ion:112 Resp: 869381  
Ion Ratio Lower Upper  
112 100  
64 71.9 58.4 87.6  
63 36.6 30.1 45.1





#7

Phenol-d6

Concen: 125.550 ng

RT: 6.481 min Scan# 713

Delta R.T. 0.000 min

Lab File: BF127612.D

Acq: 01 Apr 2022 15:09

Instrument :

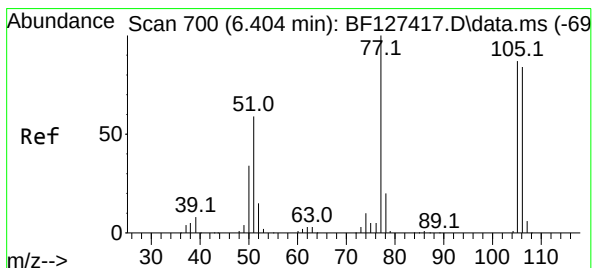
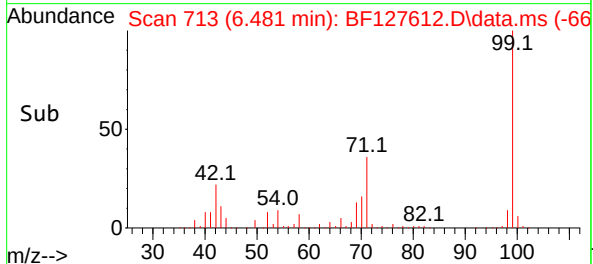
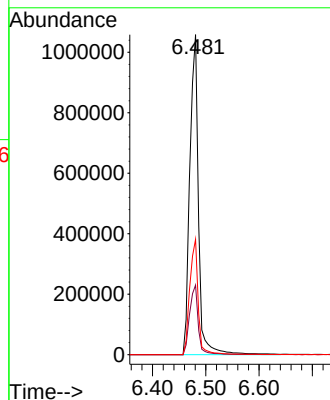
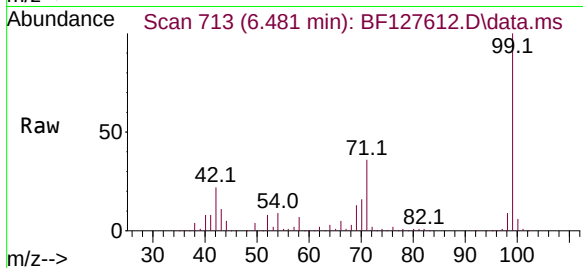
BNA\_F

ClientSampleId :

SB-3

Tgt Ion: 99 Resp: 1196032

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 21.7  | 17.8  | 26.6  |
| 71  | 36.0  | 29.6  | 44.4  |



#9

Benzaldehyde

Concen: Below Cal

RT: 6.481 min Scan# 713

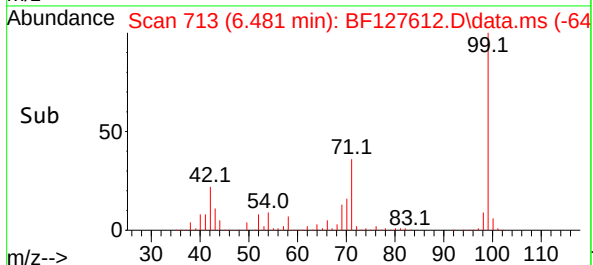
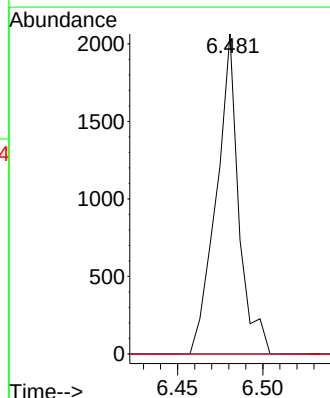
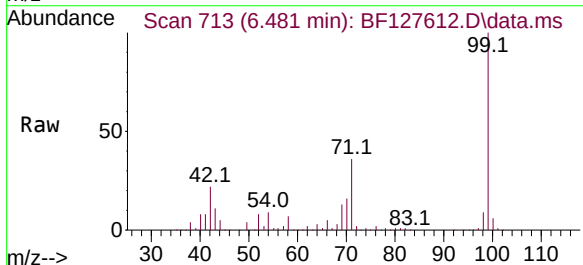
Delta R.T. 0.088 min

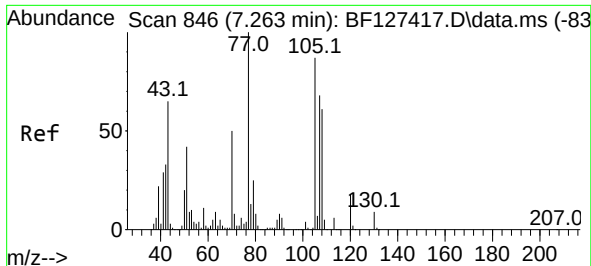
Lab File: BF127612.D

Acq: 01 Apr 2022 15:09

Tgt Ion: 77 Resp: 1891

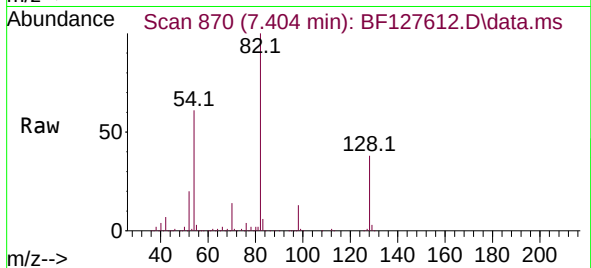
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 77  | 100   |       |        |
| 105 | 0.0   | 66.8  | 106.8# |
| 106 | 0.0   | 64.3  | 104.3# |



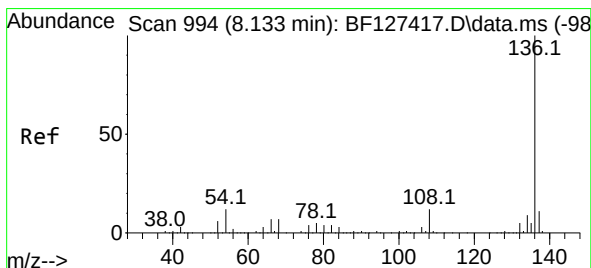
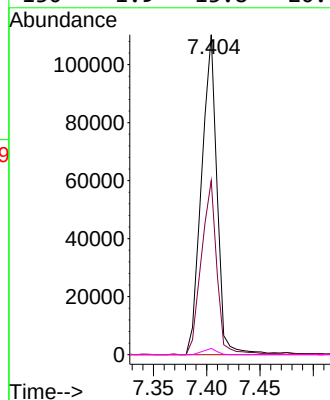
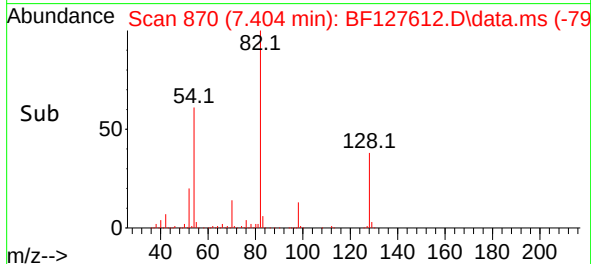


#19  
n-Nitroso-di-n-propylamine  
Concen: 19.645 ng  
RT: 7.404 min Scan# 81  
Delta R.T. 0.153 min  
Lab File: BF127612.D  
Acq: 01 Apr 2022 15:09

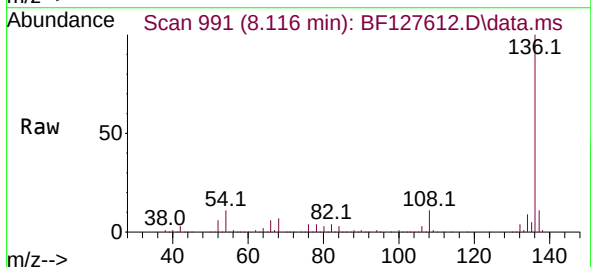
Instrument :  
BNA\_F  
ClientSampleId :  
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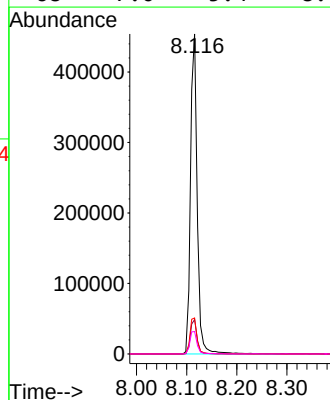
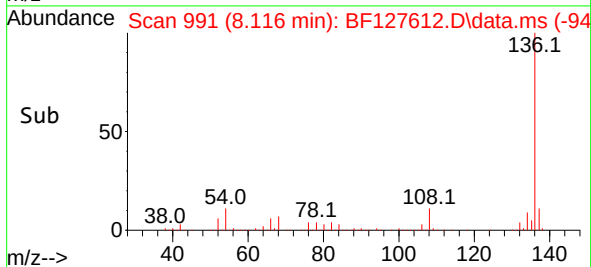
Tgt Ion: 70 Resp: 112180  
Ion Ratio Lower Upper  
70 100  
42 54.4 53.0 79.6  
101 0.0 6.8 10.2#  
130 1.9 13.8 20.6#

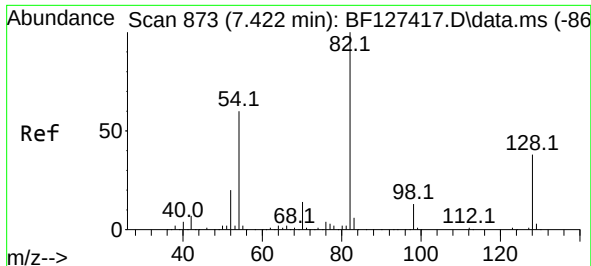


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.116 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: BF127612.D  
Acq: 01 Apr 2022 15:09



Tgt Ion: 136 Resp: 423214  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 13.0  
54 11.3 9.2 13.8  
68 7.0 5.4 8.0





#23

Nitrobenzene-d5

Concen: 85.044 ng

RT: 7.404 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF127612.D

Acq: 01 Apr 2022 15:09

Instrument :

BNA\_F

ClientSampleId :

SB-3

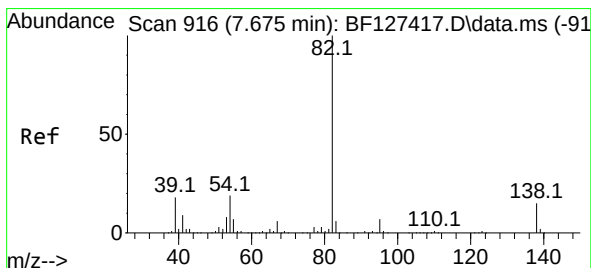
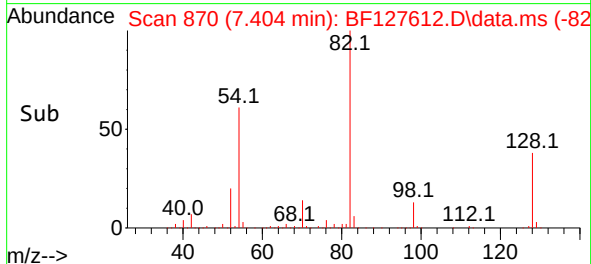
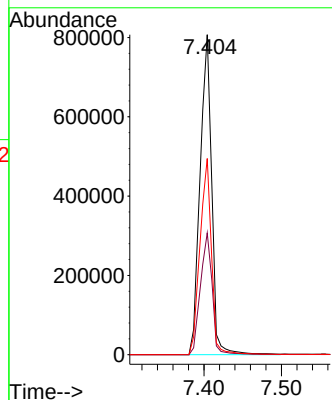
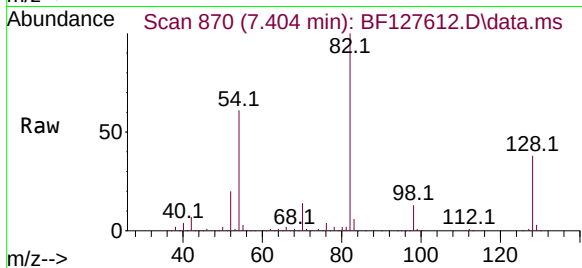
Tgt Ion: 82 Resp: 842002

Ion Ratio Lower Upper

82 100

128 38.1 30.6 45.8

54 61.3 48.2 72.2



#25

Isophorone

Concen: 53.395 ng

RT: 7.404 min Scan# 870

Delta R.T. -0.259 min

Lab File: BF127612.D

Acq: 01 Apr 2022 15:09

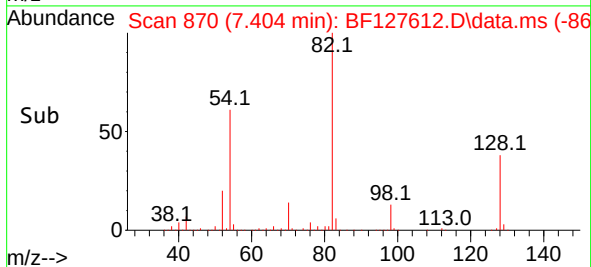
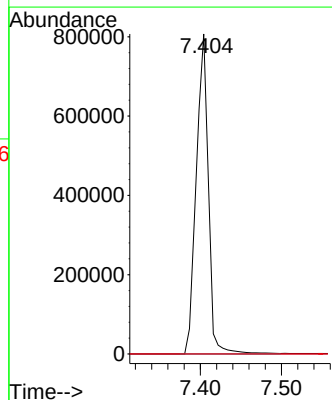
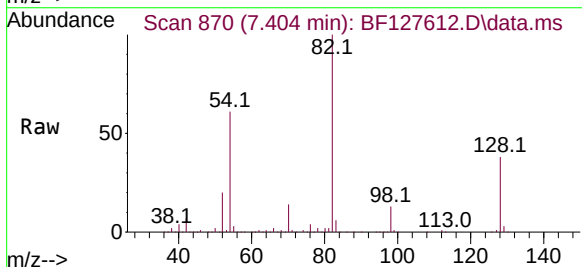
Tgt Ion: 82 Resp: 841991

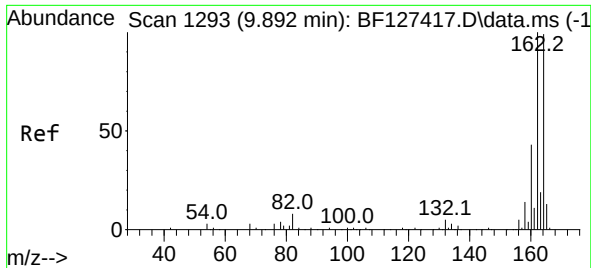
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#

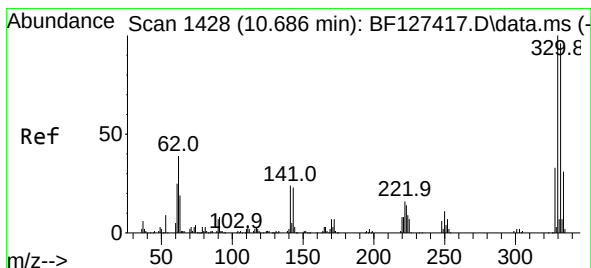
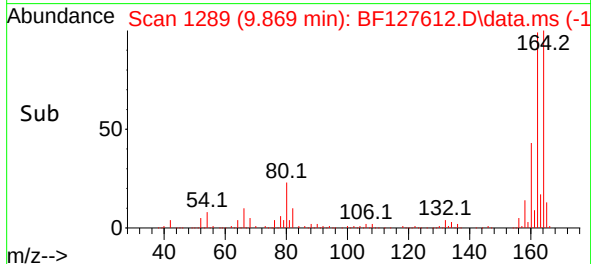
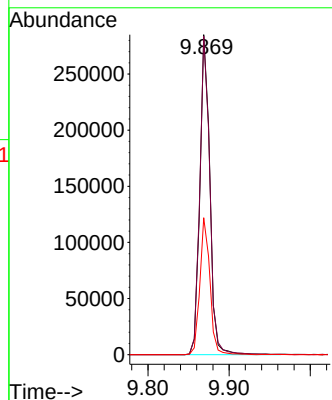
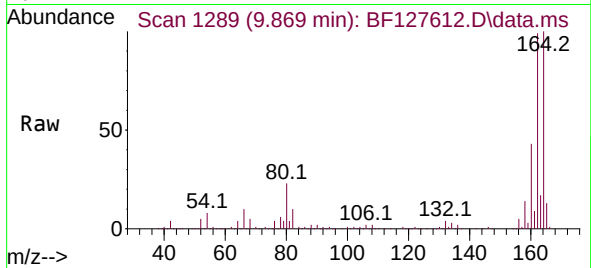




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.869 min Scan# 1289  
Delta R.T. -0.006 min  
Lab File: BF127612.D  
Acq: 01 Apr 2022 15:09

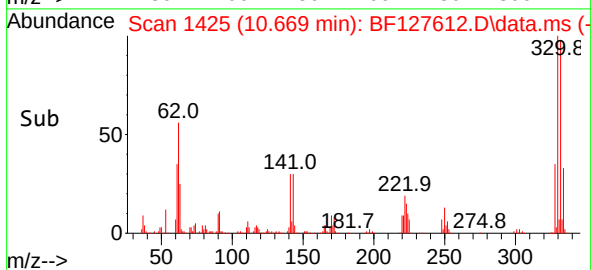
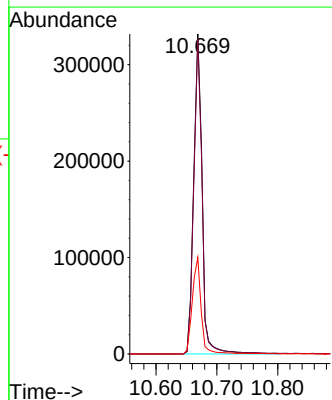
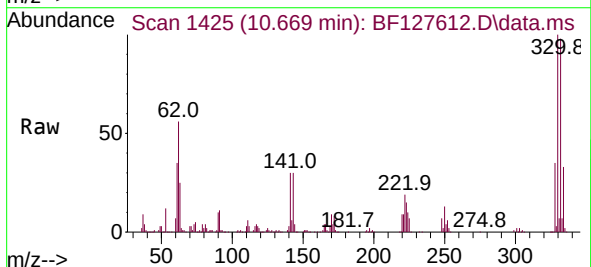
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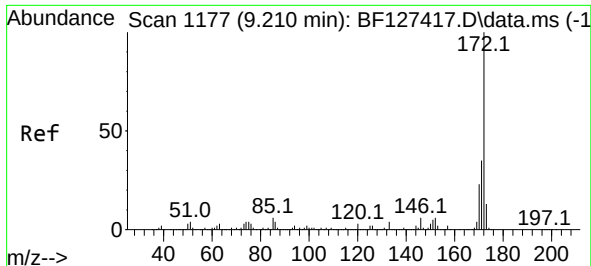
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Ion Ratio Lower Upper  
164 100  
162 99.5 81.2 121.8  
160 42.8 34.6 52.0



#42  
2,4,6-Tribromophenol  
Concen: 122.544 ng  
RT: 10.669 min Scan# 1425  
Delta R.T. 0.000 min  
Lab File: BF127612.D  
Acq: 01 Apr 2022 15:09

Tgt Ion:330 Resp: 318505  
Ion Ratio Lower Upper  
330 100  
332 96.0 79.1 118.7  
141 31.9 26.2 39.4

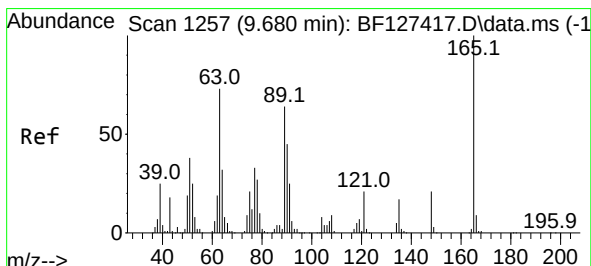
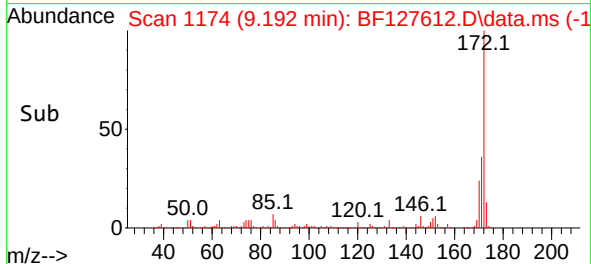
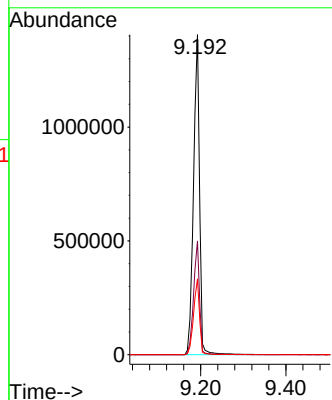
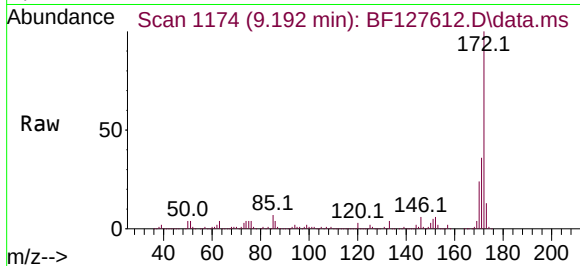




#45  
2-Fluorobiphenyl  
Concen: 82.503 ng  
RT: 9.192 min Scan# 1177  
Delta R.T. 0.000 min  
Lab File: BF127612.D  
Acq: 01 Apr 2022 15:09

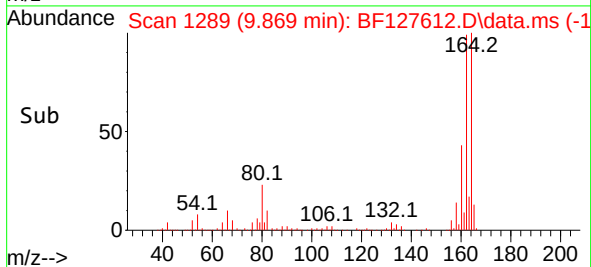
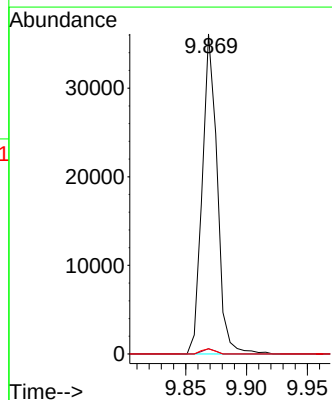
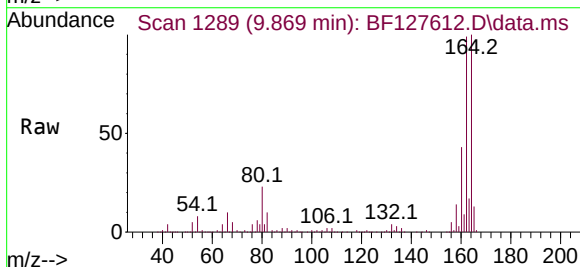
Instrument :  
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ClientSampleId :  
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Tgt Ion:172 Resp: 1378536  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.4 42.6  
170 23.7 18.6 27.8

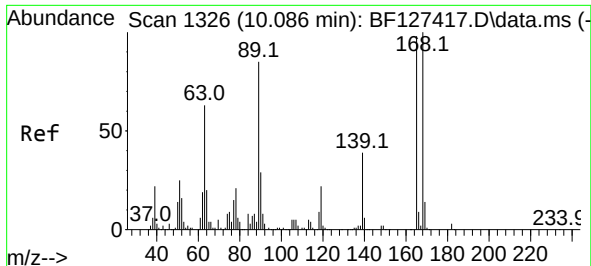


#51  
2,6-Dinitrotoluene  
Concen: 8.691 ng  
RT: 9.869 min Scan# 1289  
Delta R.T. 0.200 min  
Lab File: BF127612.D  
Acq: 01 Apr 2022 15:09

Tgt Ion:165 Resp: 30966  
Ion Ratio Lower Upper  
165 100  
63 1.7 58.3 87.5#  
89 1.6 51.5 77.3#



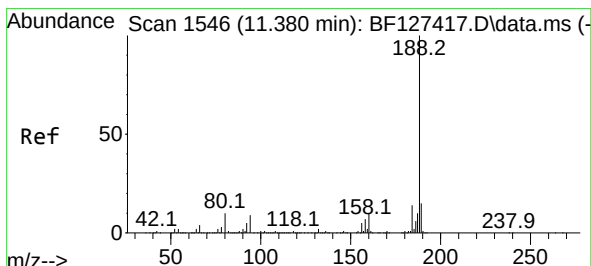
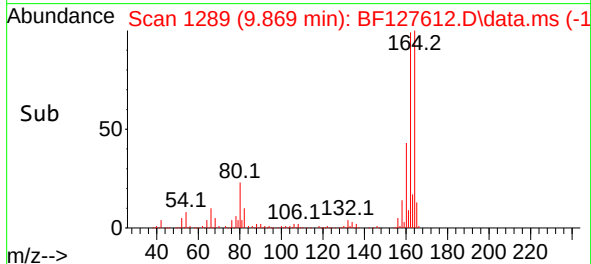
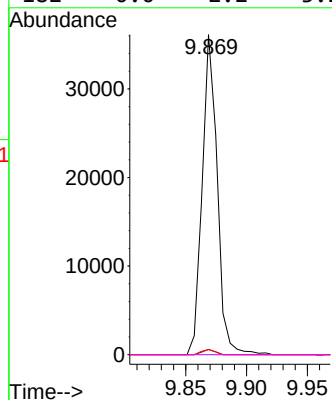
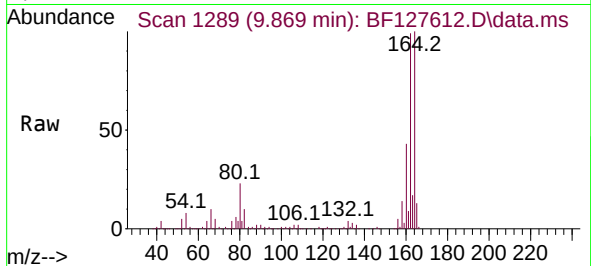




#57  
2,4-Dinitrotoluene  
Concen: 6.752 ng  
RT: 9.869 min Scan# 11  
Delta R.T. -0.206 min  
Lab File: BF127612.D  
Acq: 01 Apr 2022 15:09

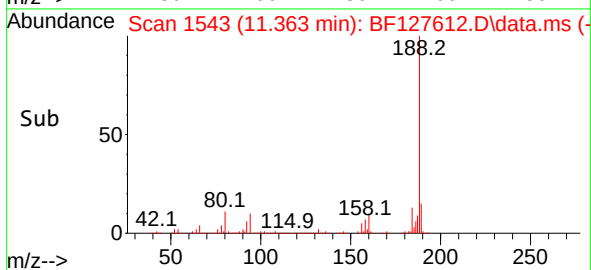
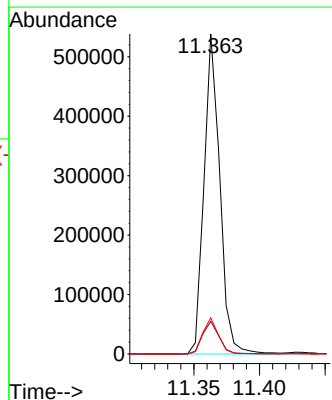
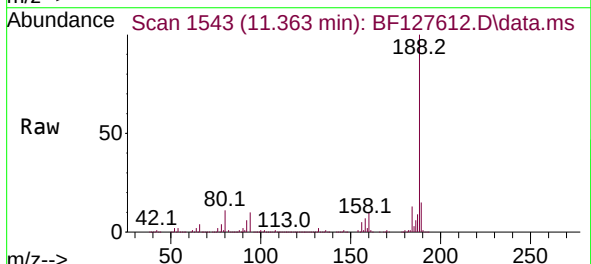
Instrument :  
BNA\_F  
ClientSampleId :  
SB-3

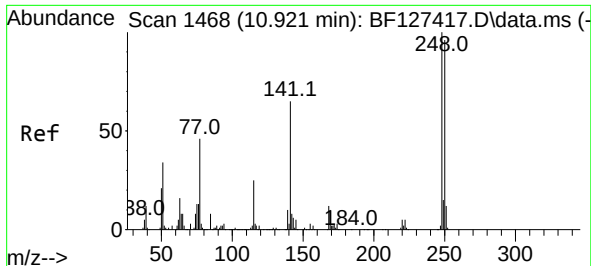
Tgt Ion:165 Resp: 30966  
Ion Ratio Lower Upper  
165 100  
63 1.7 53.1 79.7#  
89 1.6 69.2 103.8#  
182 0.0 2.2 3.2#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.363 min Scan# 1543  
Delta R.T. 0.000 min  
Lab File: BF127612.D  
Acq: 01 Apr 2022 15:09

Tgt Ion:188 Resp: 452566  
Ion Ratio Lower Upper  
188 100  
94 10.2 7.4 11.0  
80 11.3 8.0 12.0

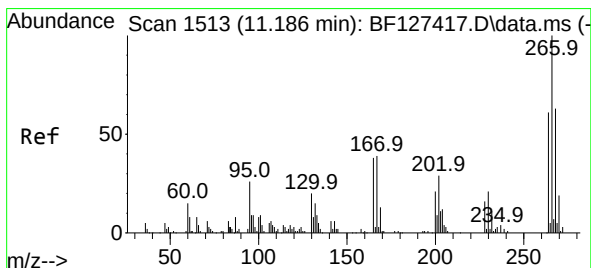
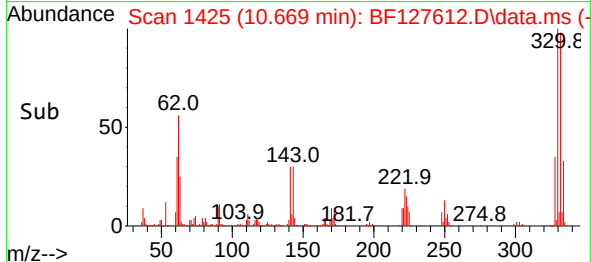
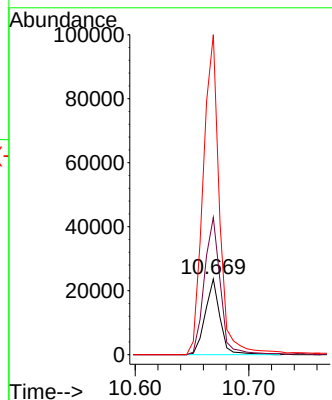
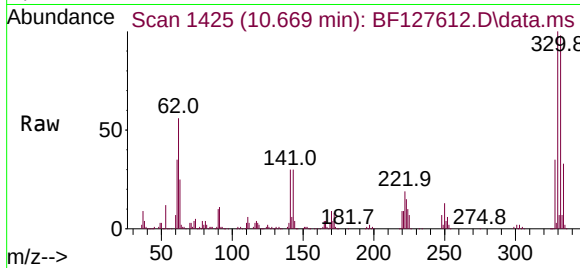




#67  
4-Bromophenyl-phenylether  
Concen: 4.044 ng  
RT: 10.669 min Scan# 1468  
Delta R.T. -0.235 min  
Lab File: BF127612.D  
Acq: 01 Apr 2022 15:09

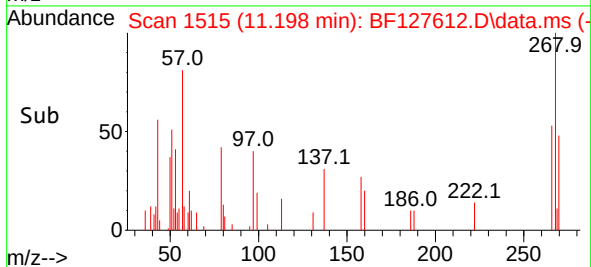
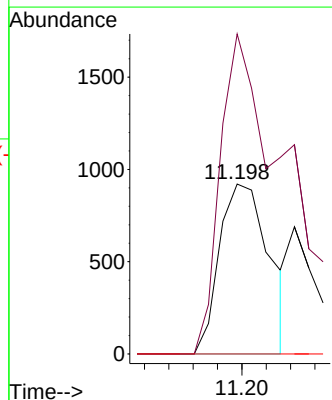
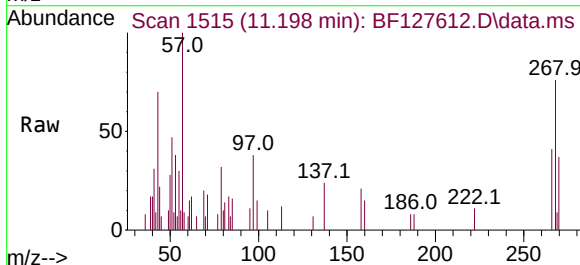
Instrument :  
BNA\_F  
ClientSampleId :  
SB-3

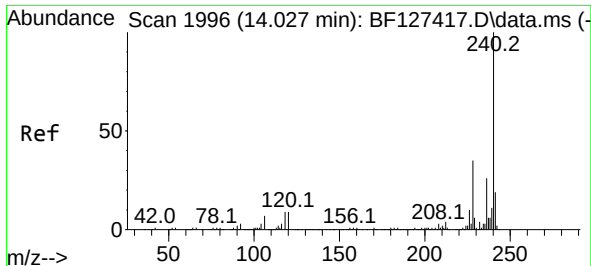
Tgt Ion:248 Resp: 21366  
Ion Ratio Lower Upper  
248 100  
250 181.4 76.6 115.0#  
141 422.8 52.2 78.2#



#70  
Pentachlorophenol  
Concen: 7.279 ng  
RT: 11.198 min Scan# 1515  
Delta R.T. 0.024 min  
Lab File: BF127612.D  
Acq: 01 Apr 2022 15:09

Tgt Ion:266 Resp: 1306  
Ion Ratio Lower Upper  
266 100  
268 188.3 50.4 75.6#  
264 0.0 48.5 72.7#

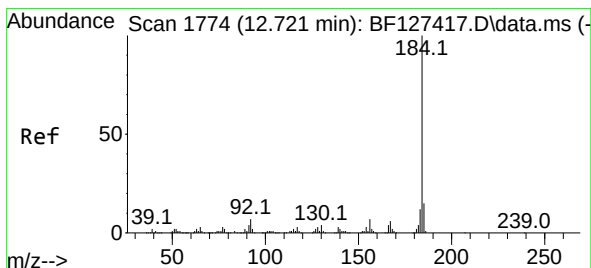
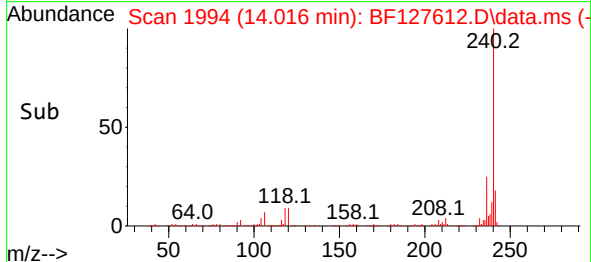
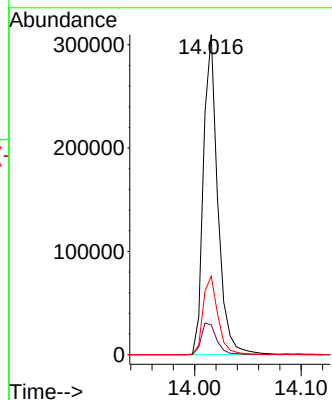
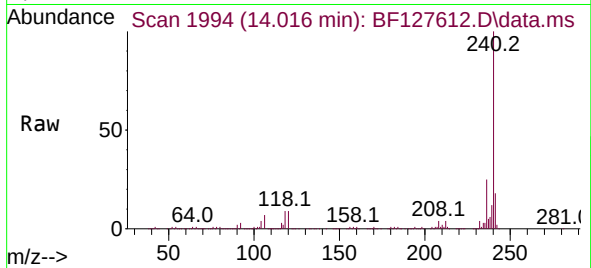




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.016 min Scan# 1813  
Delta R.T. 0.000 min  
Lab File: BF127612.D  
Acq: 01 Apr 2022 15:09

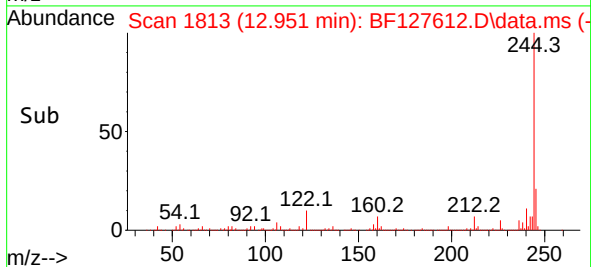
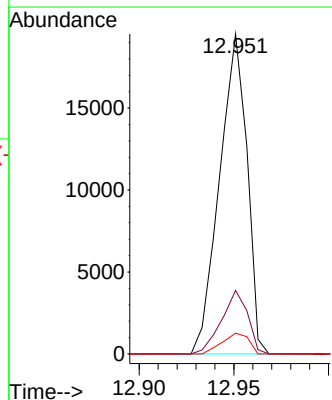
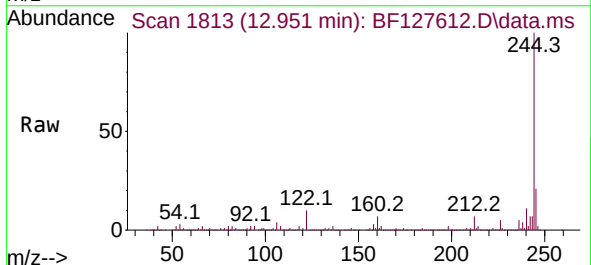
Instrument :  
BNA\_F  
ClientSampleId :  
SB-3

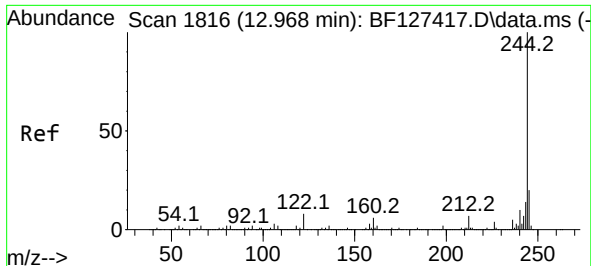
Tgt Ion:240 Resp: 290718  
Ion Ratio Lower Upper  
240 100  
120 9.3 7.1 10.7  
236 24.5 20.7 31.1



#77  
Benzidine  
Concen: 2.832 ng  
RT: 12.951 min Scan# 1813  
Delta R.T. 0.241 min  
Lab File: BF127612.D  
Acq: 01 Apr 2022 15:09

Tgt Ion:184 Resp: 19630  
Ion Ratio Lower Upper  
184 100  
185 19.9 12.2 18.2#  
183 6.5 9.4 14.0#

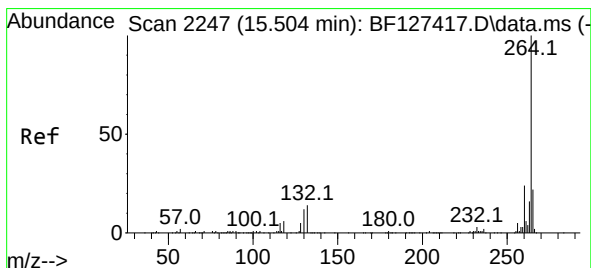
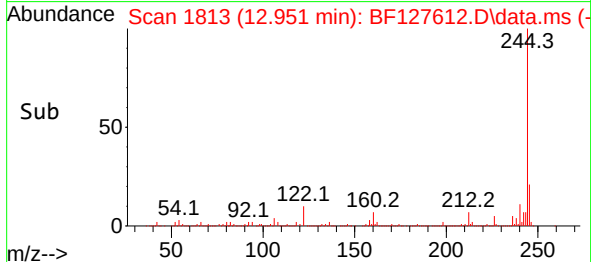
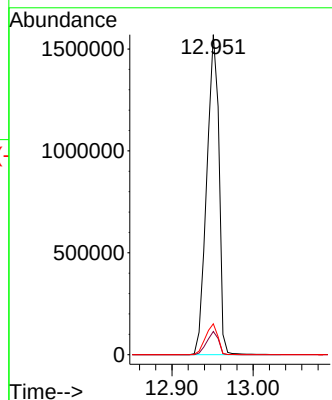
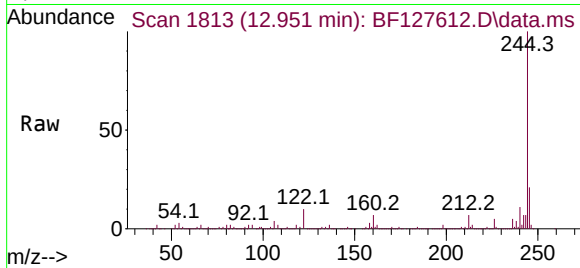




#79  
 Terphenyl-d14  
 Concen: 92.008 ng  
 RT: 12.951 min Scan# 1813  
 Delta R.T. 0.000 min  
 Lab File: BF127612.D  
 Acq: 01 Apr 2022 15:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3

Tgt Ion:244 Resp: 1633976  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.7 8.5  
 122 9.7 6.2 9.2#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.498 min Scan# 2246  
 Delta R.T. 0.006 min  
 Lab File: BF127612.D  
 Acq: 01 Apr 2022 15:09

Tgt Ion:264 Resp: 218195  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 19.1 28.7  
 265 21.6 17.4 26.2

