

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF032222\  
 Data File : BF127465.D  
 Acq On : 22 Mar 2022 21:41  
 Operator : CG\JU  
 Sample : N2011-02  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C-B

Quant Time: Mar 23 03:02:58 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     | 6.846  | 152  | 102777   | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.128  | 136  | 376453   | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.887  | 164  | 222931   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.375 | 188  | 399965   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 14.022 | 240  | 216544   | 20.000    | ng     | 0.00     |
| 86) Perylene-d12              | 15.504 | 264  | 200839   | 20.000    | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 757414   | 117.633   | ng     | 0.00     |
| 7) Phenol-d6                  | 6.487  | 99   | 1099341  | 124.907   | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.416  | 82   | 769073   | 87.327    | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.681 | 330  | 299507   | 126.120   | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.204  | 172  | 1338411  | 87.668    | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.963 | 244  | 1407482  | 106.402   | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.487  | 77   | 1988     | Below Cal | #      | 7        |
| 19) n-Nitroso-di-n-propyla... | 7.416  | 70   | 104366   | 19.783    | ng     | # 80     |
| 25) Isophorone                | 7.416  | 82   | 769067   | 54.829    | ng     | # 70     |
| 32) Benzoic acid              | 8.128  | 122  | 70       | 6.062     | ng     | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.887  | 165  | 28283    | 8.688     | ng     | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.887  | 165  | 28283    | 6.750     | ng     | # 14     |
| 58) Fluorene                  | 10.681 | 166  | 10932    | Below Cal | #      | 90       |
| 67) 4-Bromophenyl-phenylether | 10.681 | 248  | 19948    | 4.272     | ng     | # 1      |
| 77) Benzidine                 | 12.963 | 184  | 18402    | 3.564     | ng     | # 94     |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 14190    | 3.334     | ng     | # 48     |
| -----                         |        |      |          |           |        |          |

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

Quant Time: Mar 23 03:02:58 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

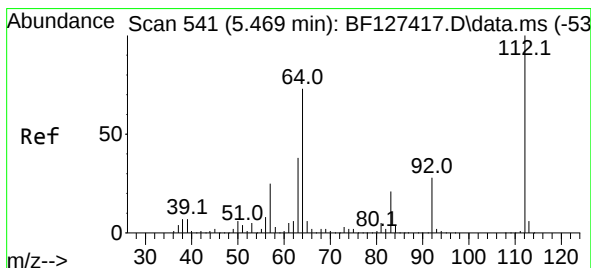
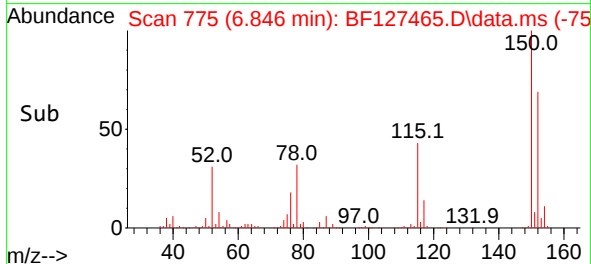
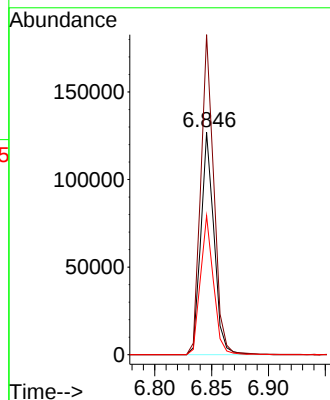
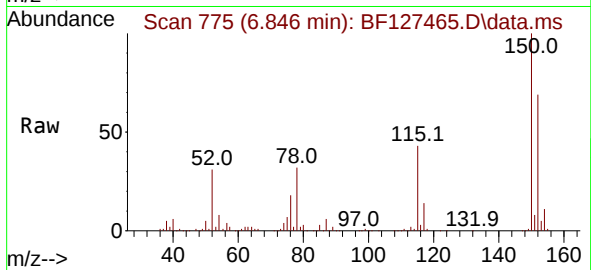




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.846 min Scan# 71  
Delta R.T. -0.005 min  
Lab File: BF127465.D  
Acq: 22 Mar 2022 21:41

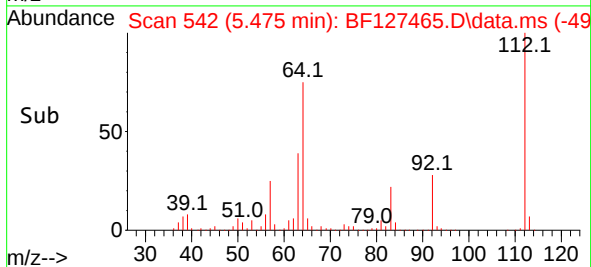
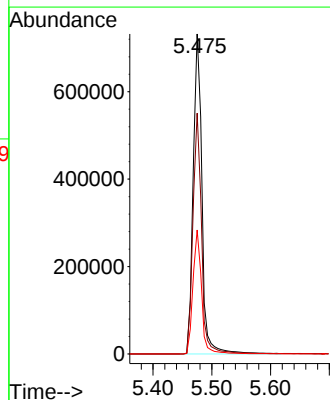
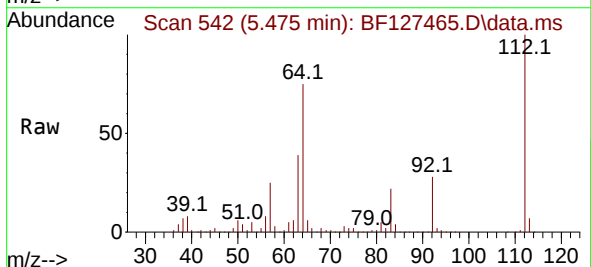
Instrument :  
BNA\_F  
ClientSampleId :  
C-B

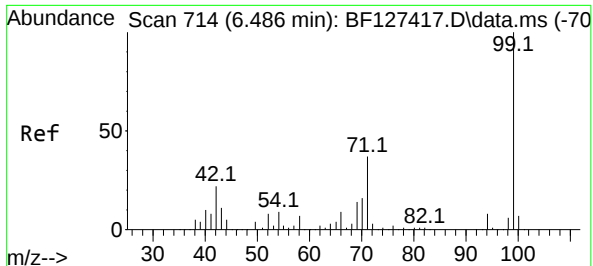
Tgt Ion:152 Resp: 102777  
Ion Ratio Lower Upper  
152 100  
150 144.0 117.2 175.8  
115 62.5 49.8 74.6



#5  
2-Fluorophenol  
Concen: 117.633 ng  
RT: 5.475 min Scan# 542  
Delta R.T. 0.006 min  
Lab File: BF127465.D  
Acq: 22 Mar 2022 21:41

Tgt Ion:112 Resp: 757414  
Ion Ratio Lower Upper  
112 100  
64 75.3 58.4 87.6  
63 38.7 30.1 45.1

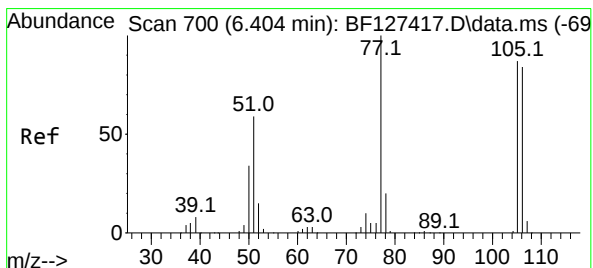
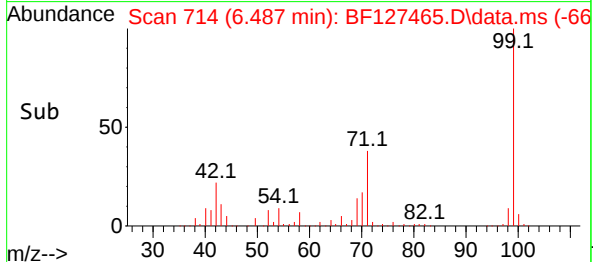
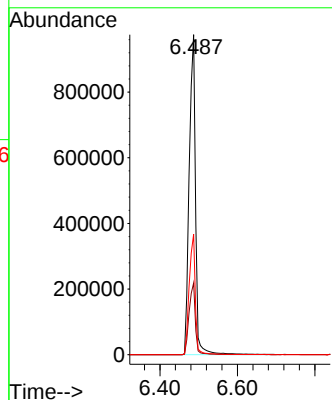
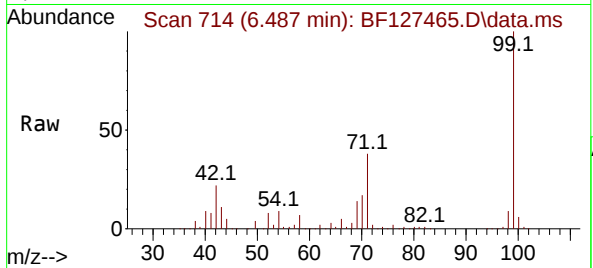




#7  
Phenol-d6  
Concen: 124.907 ng  
RT: 6.487 min Scan# 714  
Delta R.T. 0.000 min  
Lab File: BF127465.D  
Acq: 22 Mar 2022 21:41

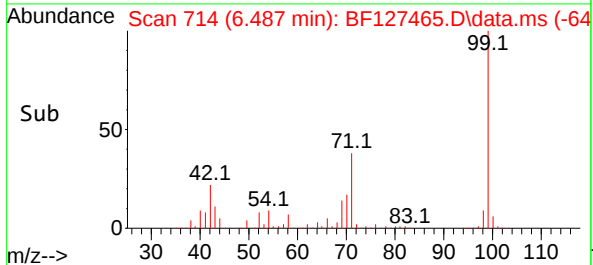
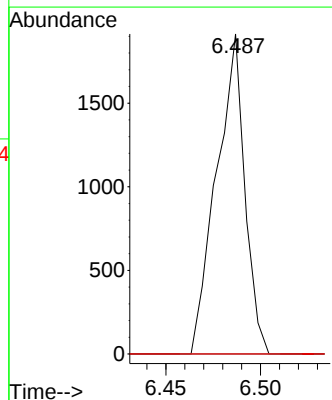
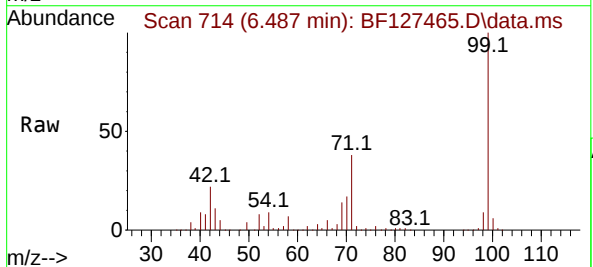
Instrument :  
BNA\_F  
ClientSampleId :  
C-B

Tgt Ion: 99 Resp: 1099341  
Ion Ratio Lower Upper  
99 100  
42 22.4 17.8 26.6  
71 37.6 29.6 44.4



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.487 min Scan# 714  
Delta R.T. 0.083 min  
Lab File: BF127465.D  
Acq: 22 Mar 2022 21:41

Tgt Ion: 77 Resp: 1988  
Ion Ratio Lower Upper  
77 100  
105 0.0 66.8 106.8#  
106 0.0 64.3 104.3#

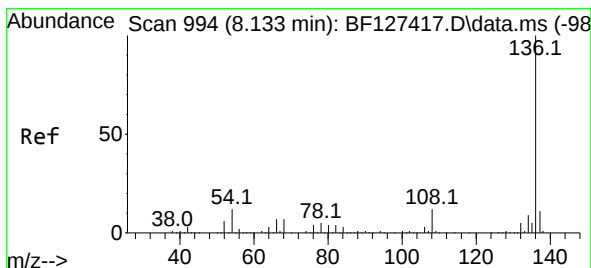
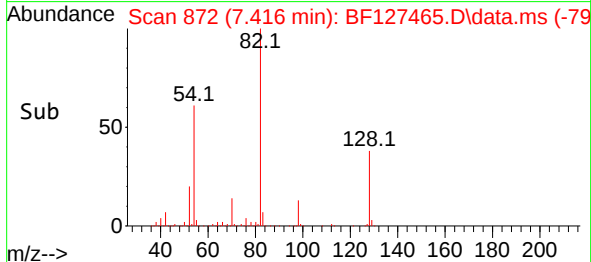
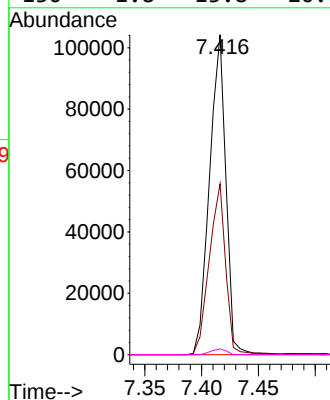
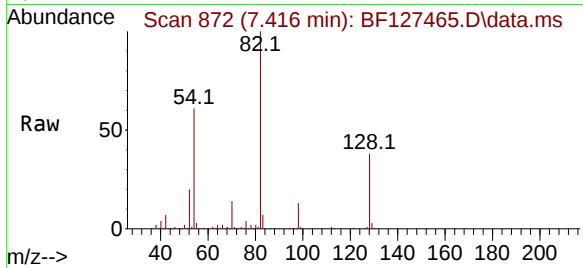




#19  
n-Nitroso-di-n-propylamine  
Concen: 19.783 ng  
RT: 7.416 min Scan# 81  
Delta R.T. 0.153 min  
Lab File: BF127465.D  
Acq: 22 Mar 2022 21:41

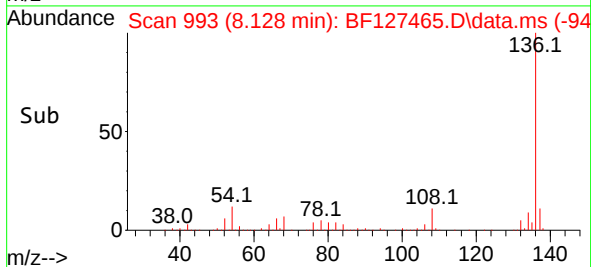
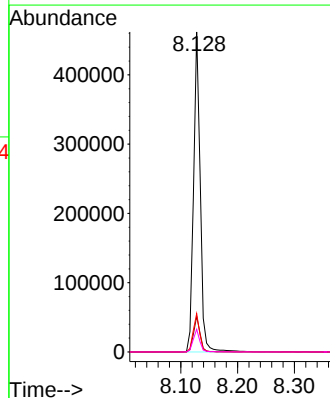
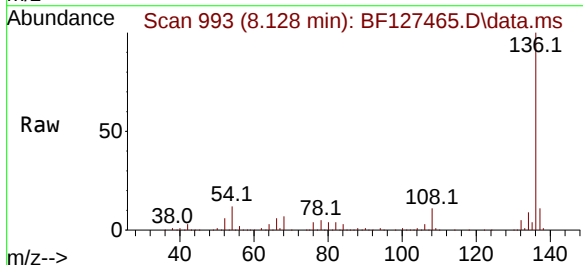
Instrument :  
BNA\_F  
ClientSampleId :  
C-B

Tgt Ion: 70 Resp: 104366  
Ion Ratio Lower Upper  
70 100  
42 53.4 53.0 79.6  
101 0.0 6.8 10.2#  
130 1.8 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: BF127465.D  
Acq: 22 Mar 2022 21:41

Tgt Ion:136 Resp: 376453  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.6 13.0  
54 12.0 9.2 13.8  
68 7.1 5.4 8.0





#23

Nitrobenzene-d5

Concen: 87.327 ng

RT: 7.416 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF127465.D

Acq: 22 Mar 2022 21:41

Instrument :

BNA\_F

ClientSampleId :

C-B

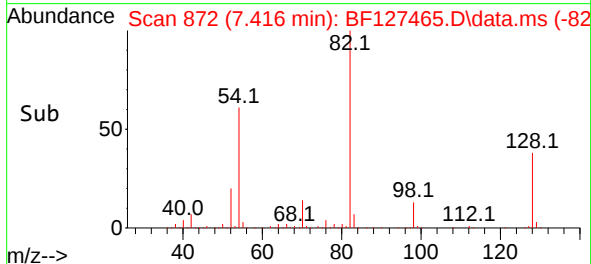
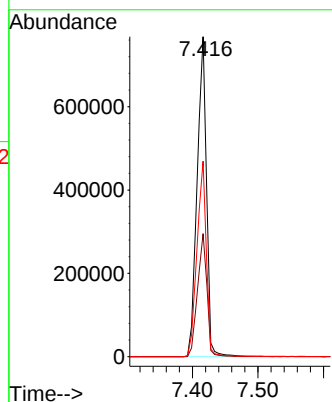
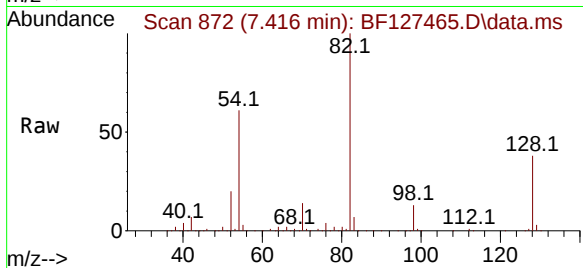
Tgt Ion: 82 Resp: 769073

Ion Ratio Lower Upper

82 100

128 38.4 30.6 45.8

54 61.1 48.2 72.2



#25

Isophorone

Concen: 54.829 ng

RT: 7.416 min Scan# 872

Delta R.T. -0.258 min

Lab File: BF127465.D

Acq: 22 Mar 2022 21:41

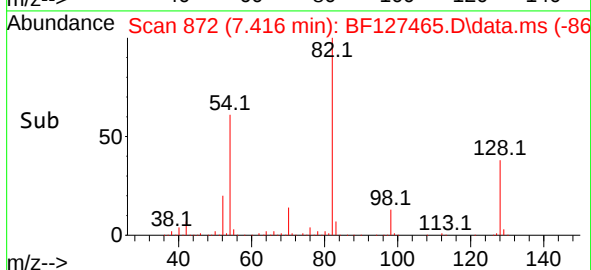
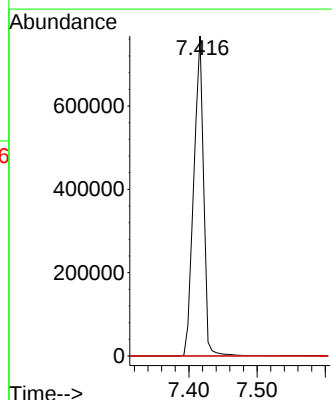
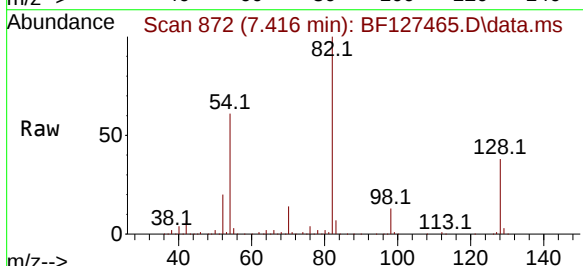
Tgt Ion: 82 Resp: 769067

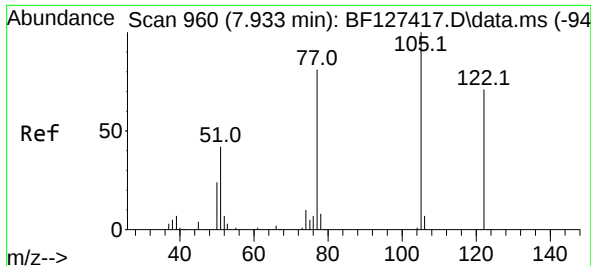
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#

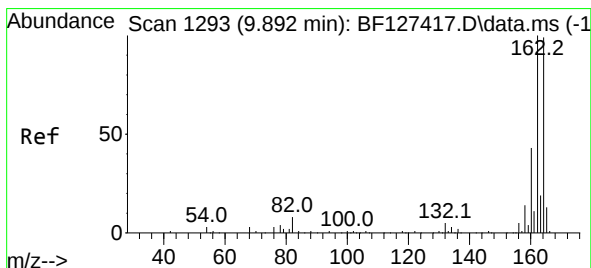
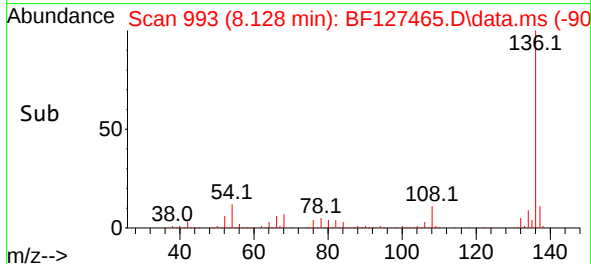
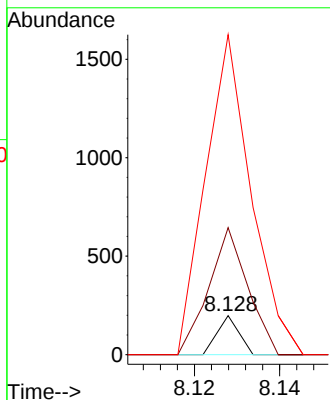
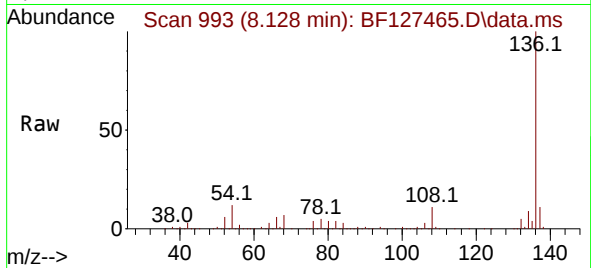




#32  
Benzoic acid  
Concen: 6.062 ng  
RT: 8.128 min Scan# 91  
Delta R.T. 0.195 min  
Lab File: BF127465.D  
Acq: 22 Mar 2022 21:41

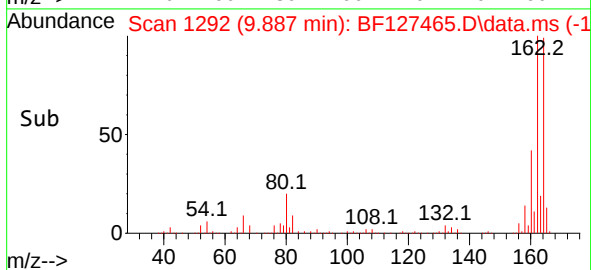
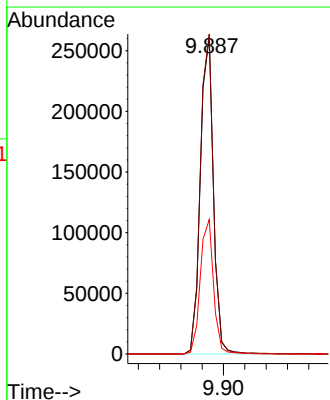
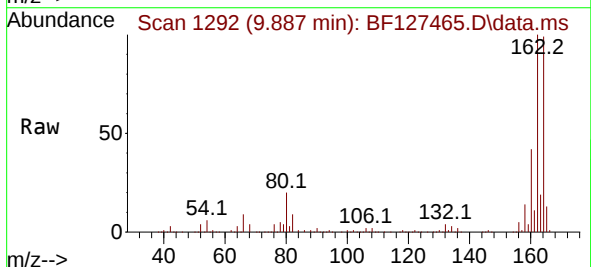
Instrument :  
BNA\_F  
ClientSampleId :  
C-B

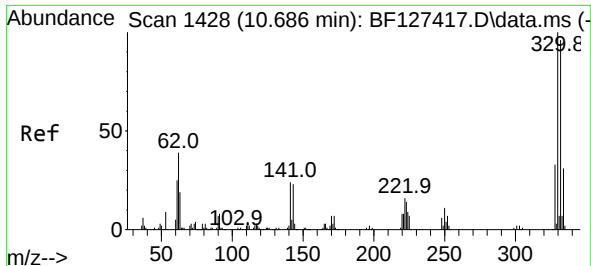
Tgt Ion:122 Resp: 70  
Ion Ratio Lower Upper  
122 100  
105 325.8 117.1 157.1#  
77 820.7 93.0 133.0#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.887 min Scan# 1292  
Delta R.T. -0.006 min  
Lab File: BF127465.D  
Acq: 22 Mar 2022 21:41

Tgt Ion:164 Resp: 222931  
Ion Ratio Lower Upper  
164 100  
162 101.1 81.2 121.8  
160 42.5 34.6 52.0

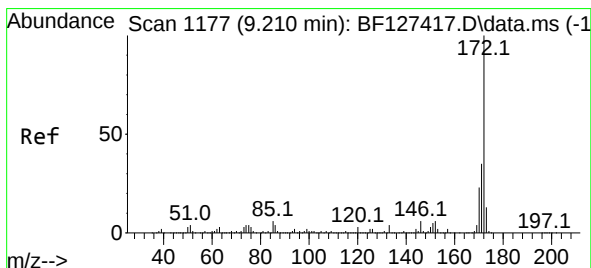
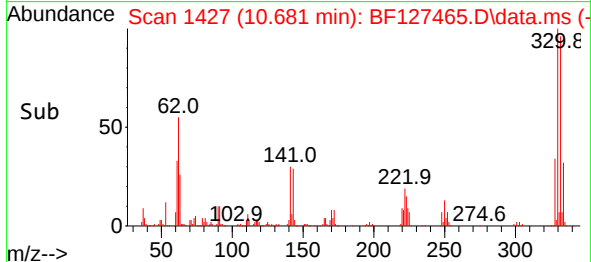
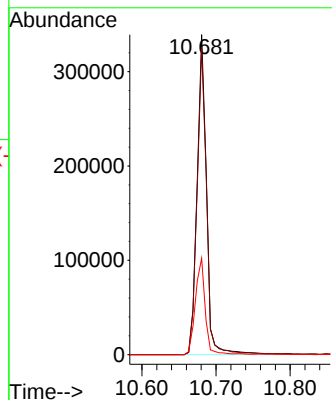
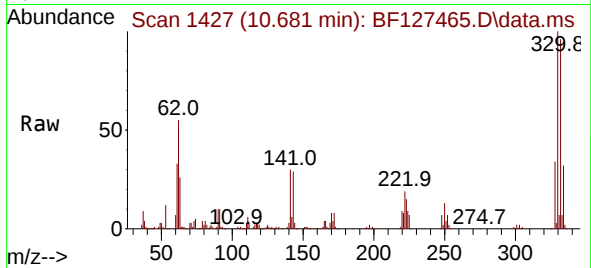




#42  
2,4,6-Tribromophenol  
Concen: 126.120 ng  
RT: 10.681 min Scan# 1428  
Delta R.T. -0.006 min  
Lab File: BF127465.D  
Acq: 22 Mar 2022 21:41

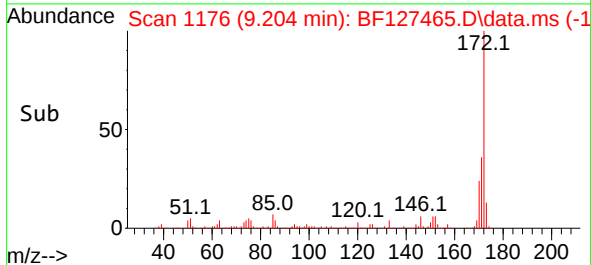
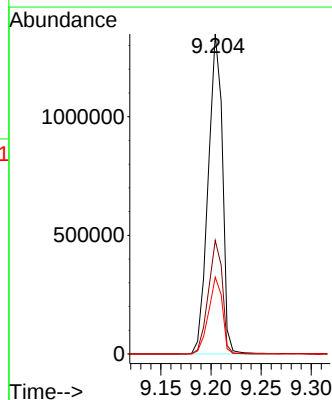
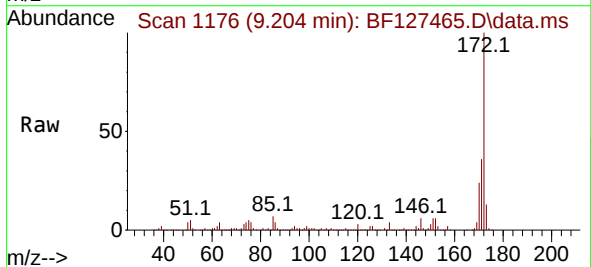
Instrument :  
BNA\_F  
ClientSampleId :  
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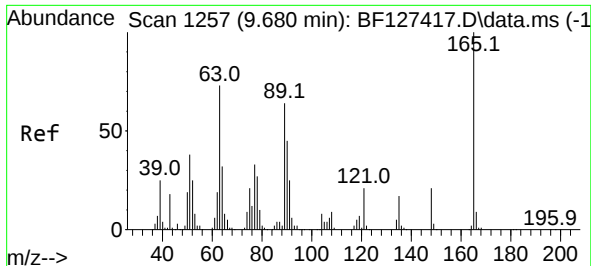
Tgt Ion: 330 Resp: 299507  
Ion Ratio Lower Upper  
330 100  
332 97.1 79.1 118.7  
141 32.1 26.2 39.4



#45  
2-Fluorobiphenyl  
Concen: 87.668 ng  
RT: 9.204 min Scan# 1176  
Delta R.T. -0.006 min  
Lab File: BF127465.D  
Acq: 22 Mar 2022 21:41

Tgt Ion: 172 Resp: 1338411  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.4 42.6  
170 24.0 18.6 27.8





#51

2,6-Dinitrotoluene

Concen: 8.688 ng

RT: 9.887 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF127465.D

Acq: 22 Mar 2022 21:41

Instrument :

BNA\_F

ClientSampleId :

C-B

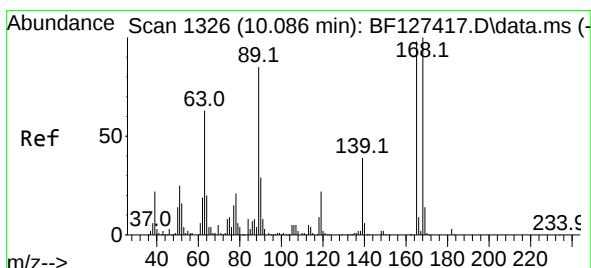
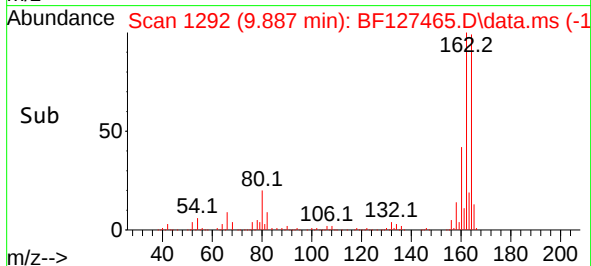
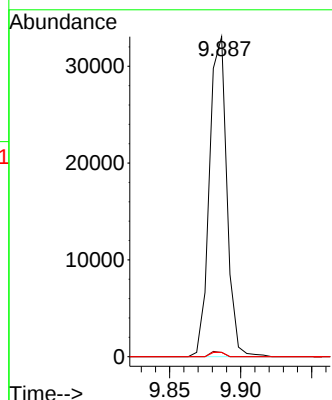
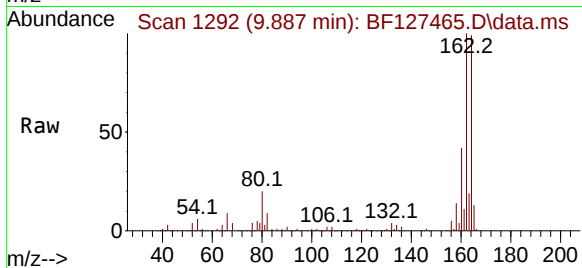
Tgt Ion:165 Resp: 28283

Ion Ratio Lower Upper

165 100

63 1.4 58.3 87.5#

89 1.3 51.5 77.3#



#57

2,4-Dinitrotoluene

Concen: 6.750 ng

RT: 9.887 min Scan# 1292

Delta R.T. -0.199 min

Lab File: BF127465.D

Acq: 22 Mar 2022 21:41

Tgt Ion:165 Resp: 28283

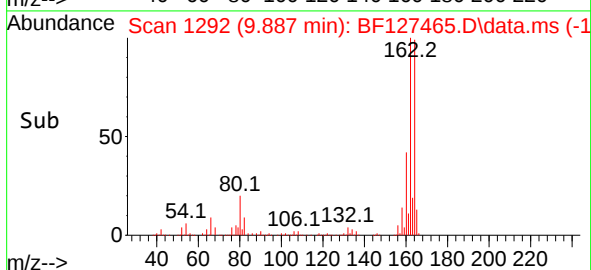
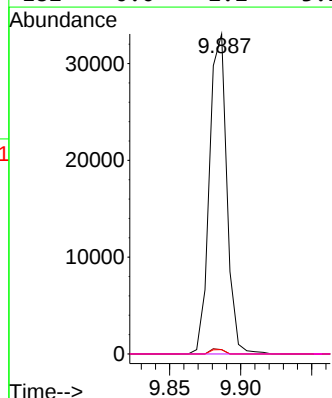
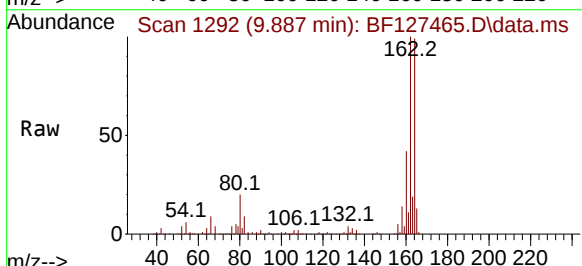
Ion Ratio Lower Upper

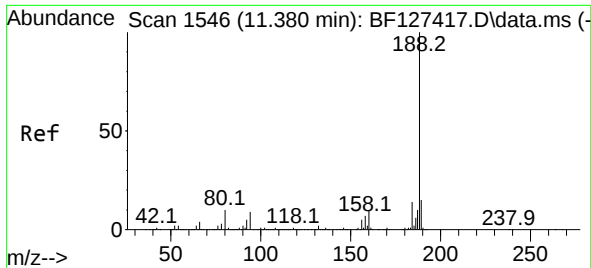
165 100

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89 1.3 69.2 103.8#

182 0.0 2.2 3.2#

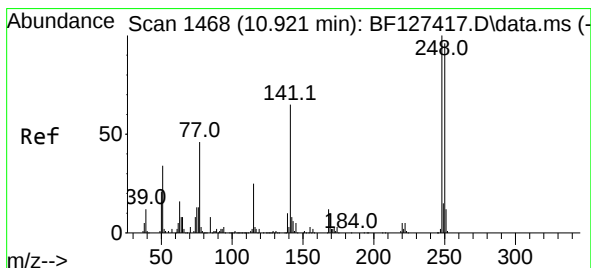
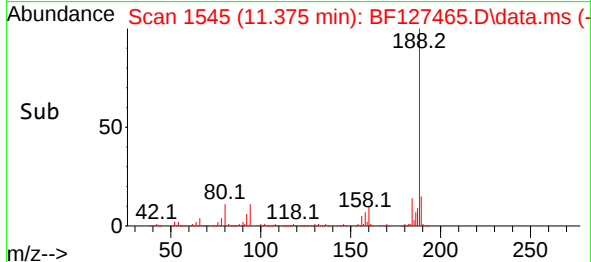
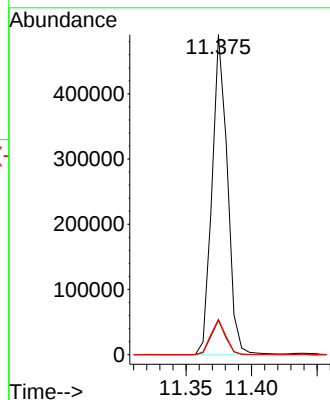
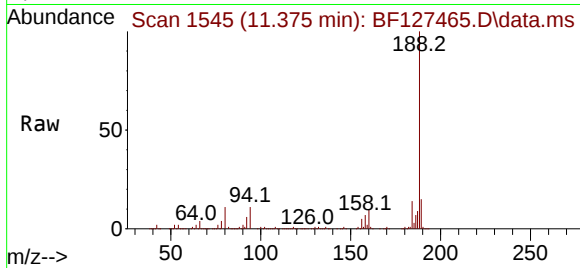




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.375 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: BF127465.D  
Acq: 22 Mar 2022 21:41

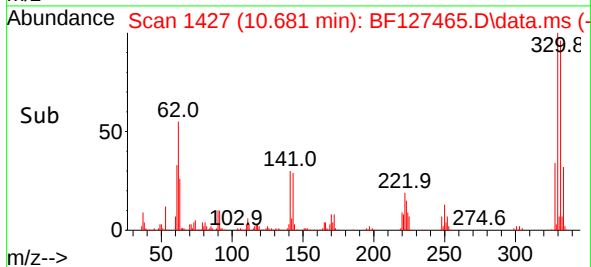
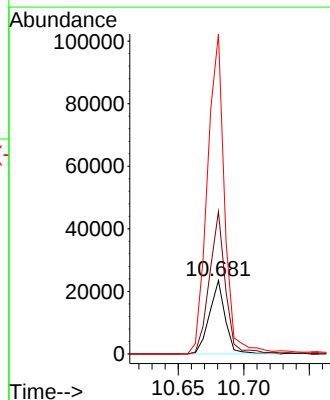
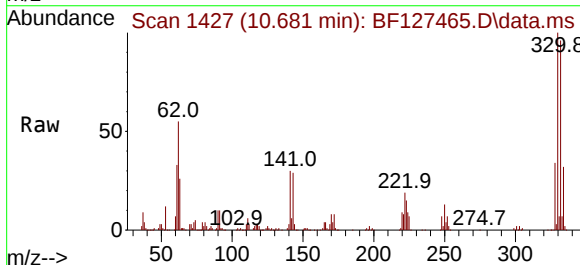
Instrument :  
BNA\_F  
ClientSampleId :  
C-B

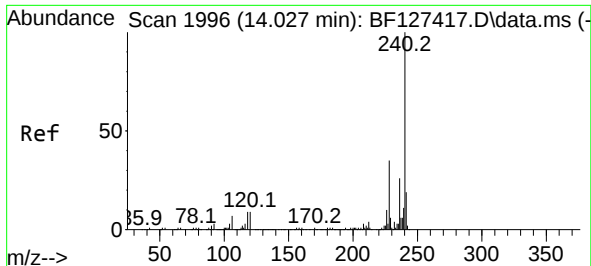
Tgt Ion:188 Resp: 399965  
Ion Ratio Lower Upper  
188 100  
94 10.7 7.4 11.0  
80 11.0 8.0 12.0



#67  
4-Bromophenyl-phenylether  
Concen: 4.272 ng  
RT: 10.681 min Scan# 1427  
Delta R.T. -0.241 min  
Lab File: BF127465.D  
Acq: 22 Mar 2022 21:41

Tgt Ion:248 Resp: 19948  
Ion Ratio Lower Upper  
248 100  
250 193.8 76.6 115.0#  
141 435.4 52.2 78.2#

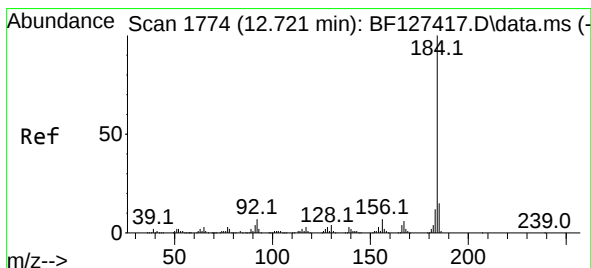
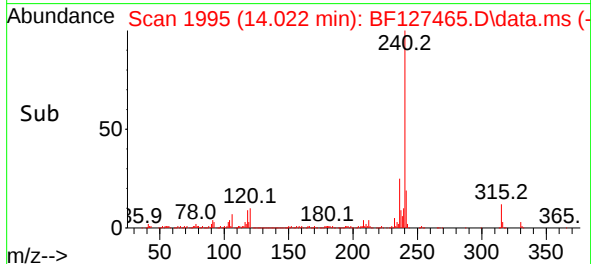
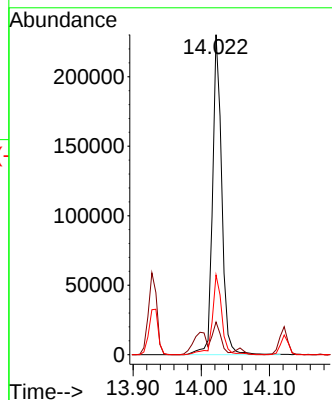
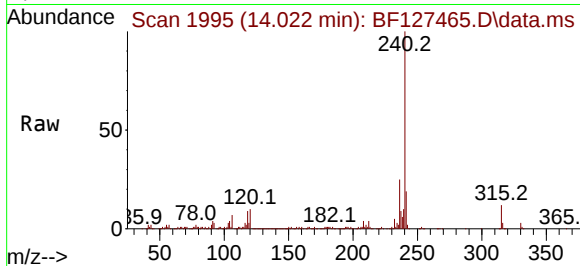




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.022 min Scan# 1815  
Delta R.T. -0.006 min  
Lab File: BF127465.D  
Acq: 22 Mar 2022 21:41

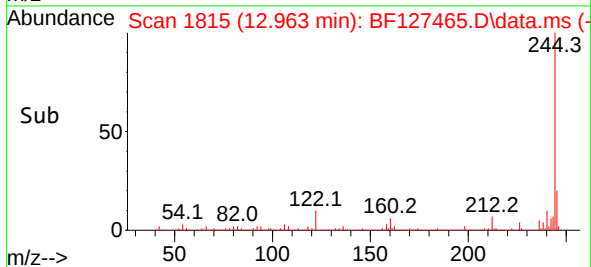
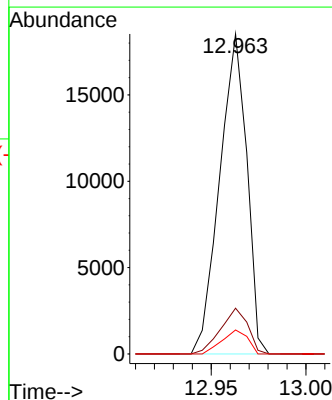
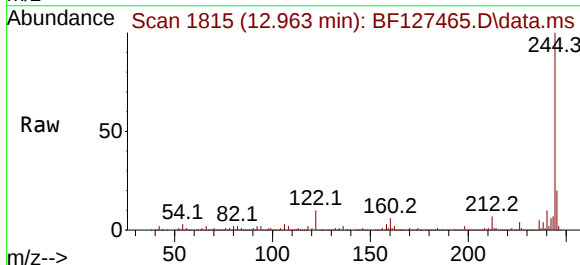
Instrument :  
BNA\_F  
ClientSampleId :  
C-B

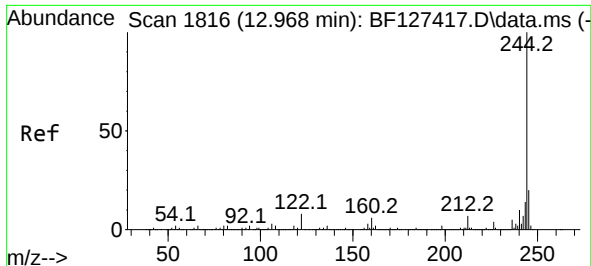
Tgt Ion:240 Resp: 216544  
Ion Ratio Lower Upper  
240 100  
120 10.2 7.1 10.7  
236 24.9 20.7 31.1



#77  
Benzidine  
Concen: 3.564 ng  
RT: 12.963 min Scan# 1815  
Delta R.T. 0.242 min  
Lab File: BF127465.D  
Acq: 22 Mar 2022 21:41

Tgt Ion:184 Resp: 18402  
Ion Ratio Lower Upper  
184 100  
185 14.3 12.2 18.2  
183 7.5 9.4 14.0#

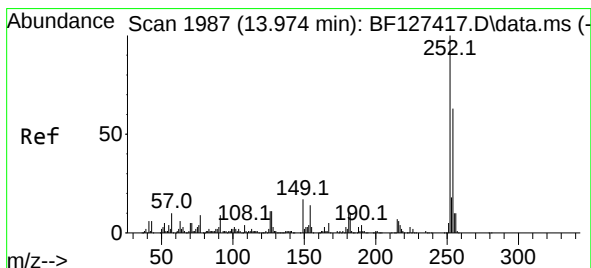
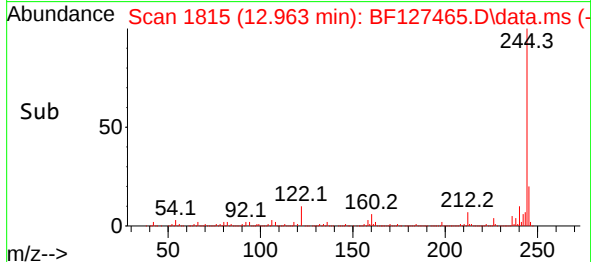
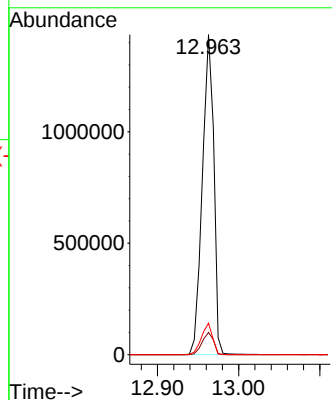
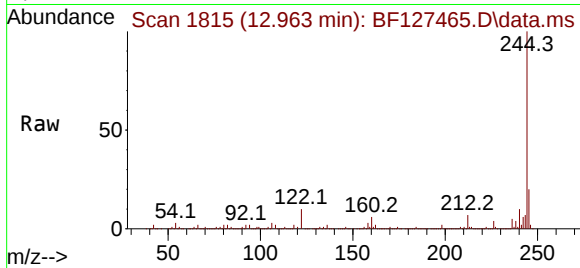




#79  
 Terphenyl-d14  
 Concen: 106.402 ng  
 RT: 12.963 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF127465.D  
 Acq: 22 Mar 2022 21:41

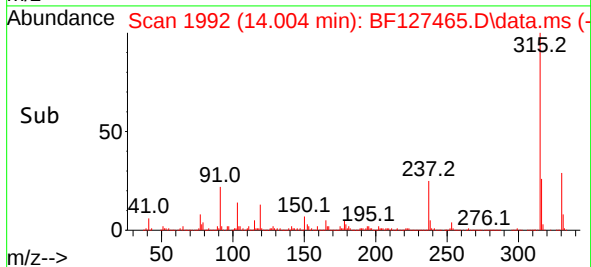
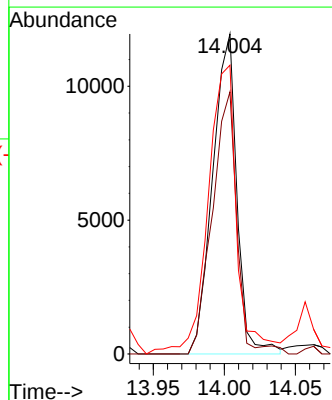
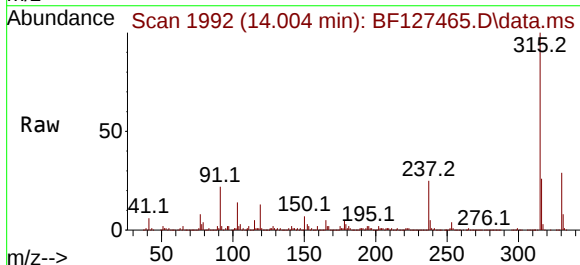
Instrument :  
 BNA\_F  
 ClientSampleId :  
 C-B

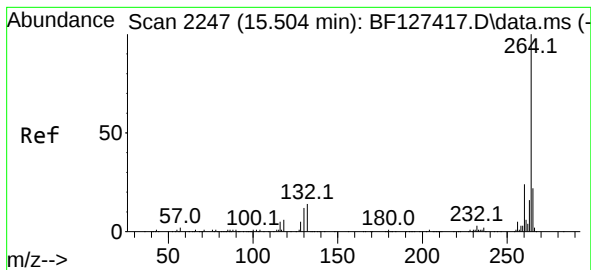
Tgt Ion:244 Resp: 1407482  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.7 8.5  
 122 9.8 6.2 9.2#



#82  
 3,3'-Dichlorobenzidine  
 Concen: 3.334 ng  
 RT: 14.004 min Scan# 1992  
 Delta R.T. 0.030 min  
 Lab File: BF127465.D  
 Acq: 22 Mar 2022 21:41

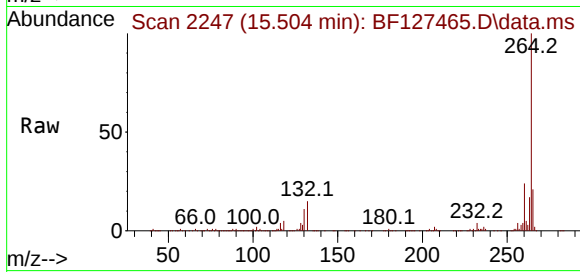
Tgt Ion:252 Resp: 14190  
 Ion Ratio Lower Upper  
 252 100  
 254 81.9 50.2 75.4#  
 126 90.3 8.7 13.1#





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.504 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BF127465.D  
 Acq: 22 Mar 2022 21:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C-B



Tgt Ion:264 Resp: 200839  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 19.1 28.7  
 265 21.2 17.4 26.2

