

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF032522\  
 Data File : BF127532.D  
 Acq On : 25 Mar 2022 18:16  
 Operator : CG\JU  
 Sample : N2077-12  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-14A-3-2

Quant Time: Mar 26 02:21:28 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

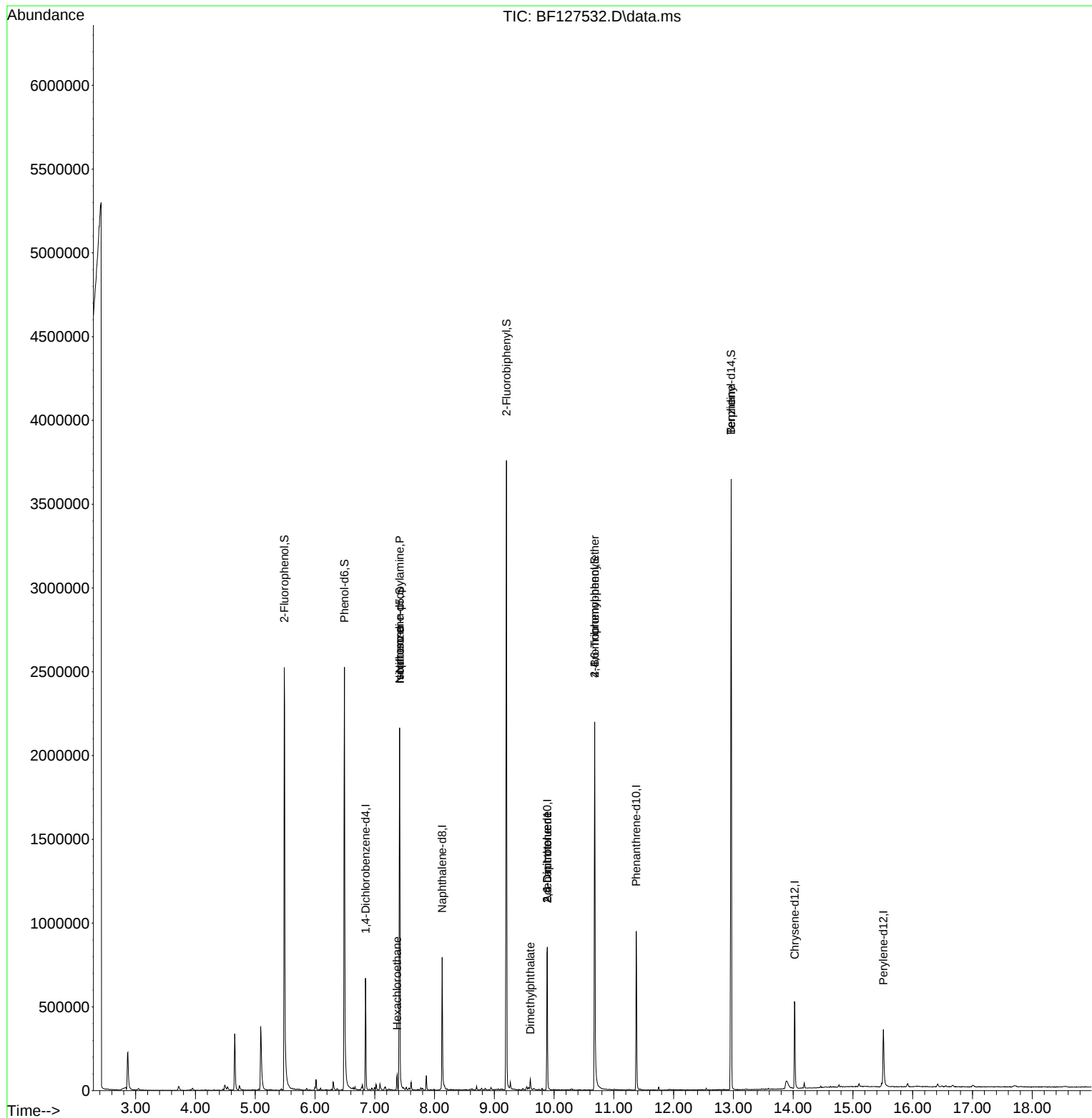
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.845  | 152  | 86716    | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.128  | 136  | 317689   | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.886  | 164  | 185310   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.375 | 188  | 331620   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 14.027 | 240  | 206142   | 20.000    | ng     | 0.00     |
| 86) Perylene-d12              | 15.510 | 264  | 175412   | 20.000    | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 695071   | 127.945   | ng     | 0.02     |
| 7) Phenol-d6                  | 6.492  | 99   | 876704   | 118.060   | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.416  | 82   | 680080   | 91.506    | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.680 | 330  | 269822   | 136.686   | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.204  | 172  | 1149033  | 90.543    | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.963 | 244  | 1332528  | 105.819   | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.375  | 77   | 123      | Below Cal | #      | 1        |
| 18) Hexachloroethane          | 7.375  | 117  | 8149     | 3.544 ng  | #      | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.416  | 70   | 93585    | 21.025 ng | #      | 84       |
| 25) Isophorone                | 7.416  | 82   | 680080   | 57.453 ng | #      | 70       |
| 50) Dimethylphthalate         | 9.604  | 163  | 26450    | 2.052 ng  | #      | 99       |
| 51) 2,6-Dinitrotoluene        | 9.886  | 165  | 23522    | 8.692 ng  | #      | 17       |
| 55) Dibenzofuran              | 10.098 | 168  | 417      | Below Cal | #      | 45       |
| 57) 2,4-Dinitrotoluene        | 9.886  | 165  | 23522    | 6.753 ng  | #      | 14       |
| 58) Fluorene                  | 10.439 | 166  | 804      | Below Cal | #      | 85       |
| 67) 4-Bromophenyl-phenylether | 10.680 | 248  | 18306    | 4.728 ng  | #      | 1        |
| 77) Benzidine                 | 12.963 | 184  | 16280    | 3.312 ng  | #      | 93       |
| -----                         |        |      |          |           |        |          |

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

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Quant Time: Mar 26 02:21:28 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

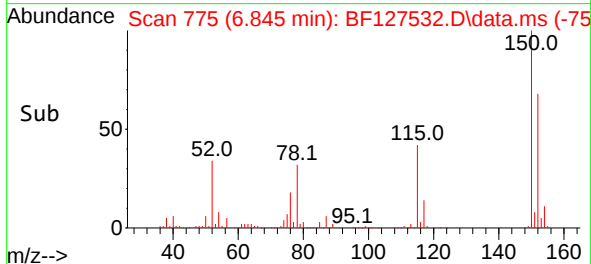
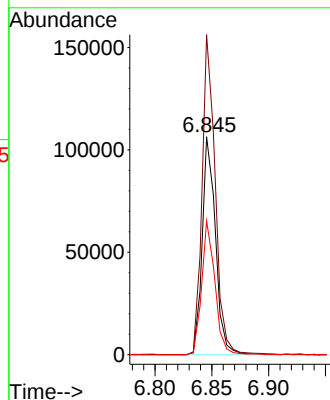
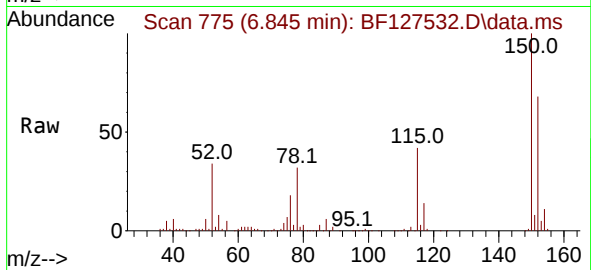




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.845 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF127532.D  
Acq: 25 Mar 2022 18:16

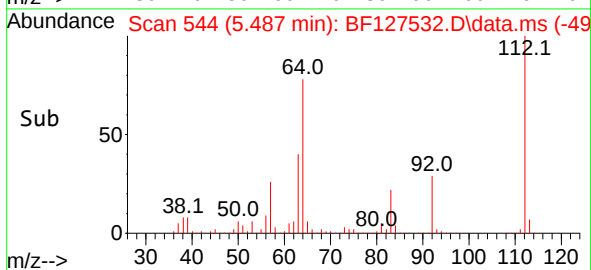
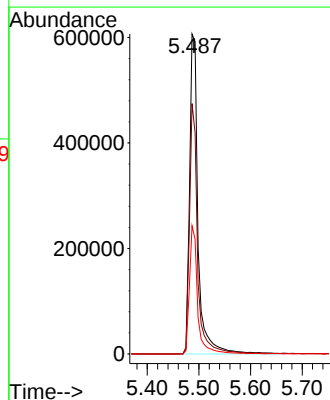
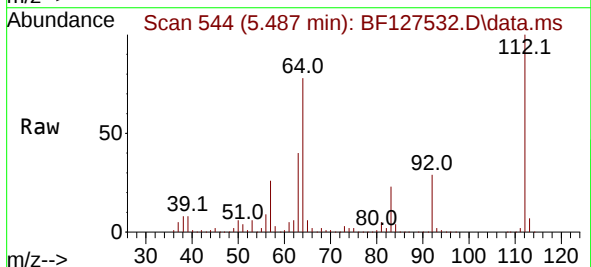
Instrument :  
BNA\_F  
ClientSampleId :  
WC-14A-3-2

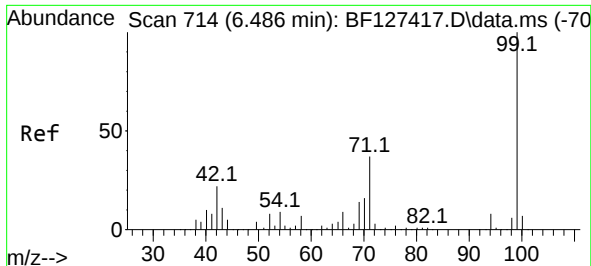
Tgt Ion:152 Resp: 86716  
Ion Ratio Lower Upper  
152 100  
150 146.8 117.2 175.8  
115 61.3 49.8 74.6



#5  
2-Fluorophenol  
Concen: 127.945 ng  
RT: 5.487 min Scan# 544  
Delta R.T. 0.018 min  
Lab File: BF127532.D  
Acq: 25 Mar 2022 18:16

Tgt Ion:112 Resp: 695071  
Ion Ratio Lower Upper  
112 100  
64 78.2 58.4 87.6  
63 40.0 30.1 45.1

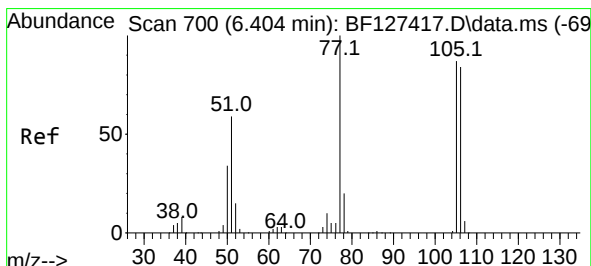
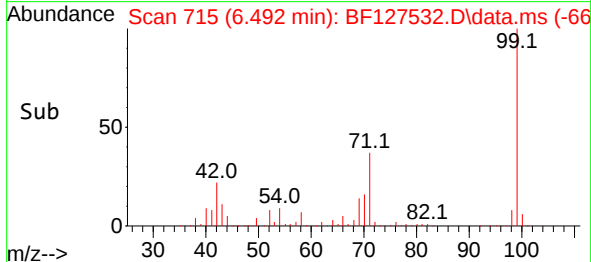
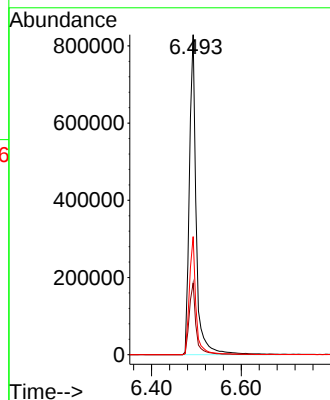
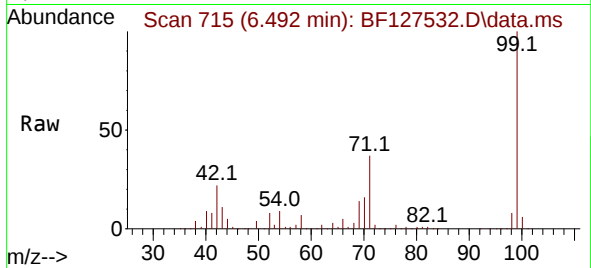




#7  
Phenol-d6  
Concen: 118.060 ng  
RT: 6.492 min Scan# 714  
Delta R.T. 0.006 min  
Lab File: BF127532.D  
Acq: 25 Mar 2022 18:16

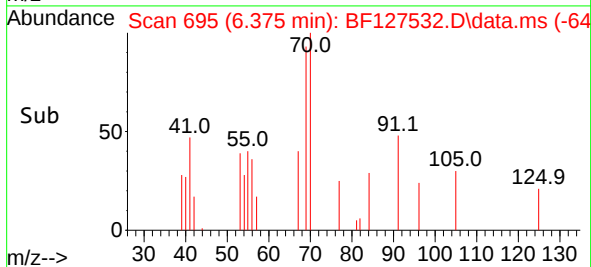
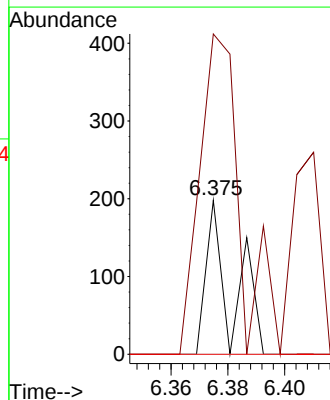
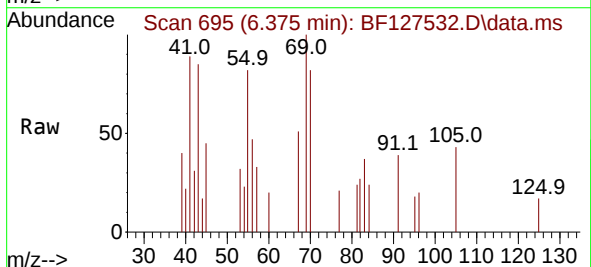
Instrument :  
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ClientSampleId :  
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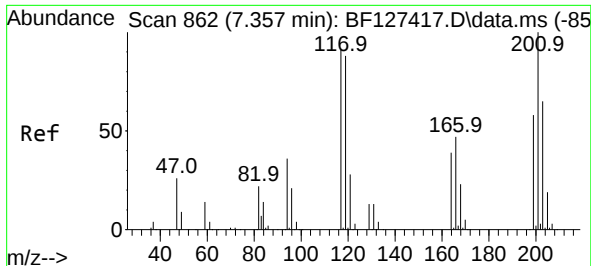
Tgt Ion: 99 Resp: 876704  
Ion Ratio Lower Upper  
99 100  
42 22.4 17.8 26.6  
71 36.9 29.6 44.4



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.375 min Scan# 695  
Delta R.T. -0.029 min  
Lab File: BF127532.D  
Acq: 25 Mar 2022 18:16

Tgt Ion: 77 Resp: 123  
Ion Ratio Lower Upper  
77 100  
105 208.1 66.8 106.8#  
106 0.0 64.3 104.3#

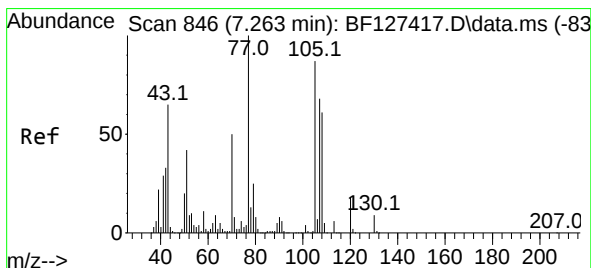
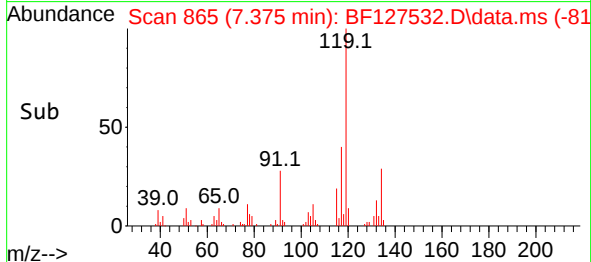
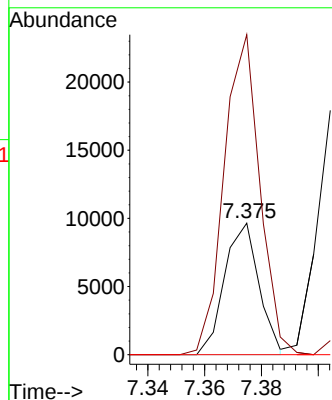
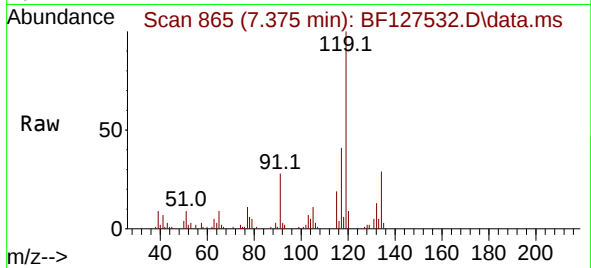




#18  
Hexachloroethane  
Concen: 3.544 ng  
RT: 7.375 min Scan# 81  
Delta R.T. 0.018 min  
Lab File: BF127532.D  
Acq: 25 Mar 2022 18:16

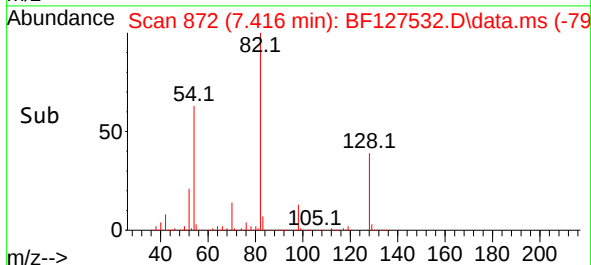
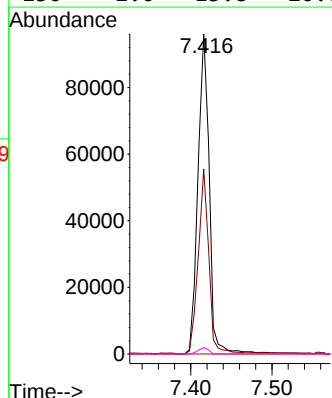
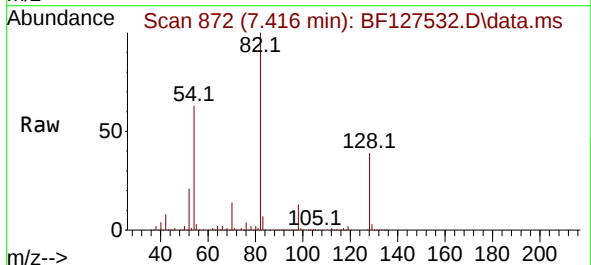
Instrument :  
BNA\_F  
ClientSampleId :  
WC-14A-3-2

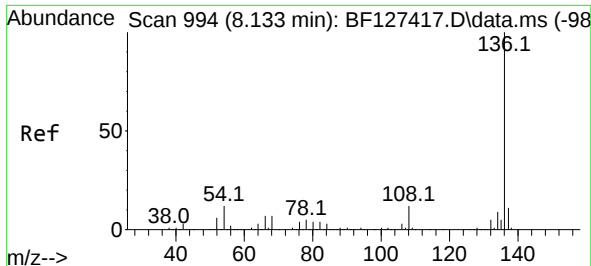
Tgt Ion:117 Resp: 8149  
Ion Ratio Lower Upper  
117 100  
119 243.3 77.6 116.4#  
201 0.0 88.2 132.2#



#19  
n-Nitroso-di-n-propylamine  
Concen: 21.025 ng  
RT: 7.416 min Scan# 872  
Delta R.T. 0.153 min  
Lab File: BF127532.D  
Acq: 25 Mar 2022 18:16

Tgt Ion: 70 Resp: 93585  
Ion Ratio Lower Upper  
70 100  
42 57.8 53.0 79.6  
101 0.0 6.8 10.2#  
130 2.0 13.8 20.6#

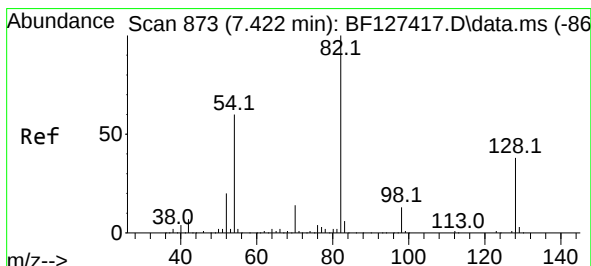
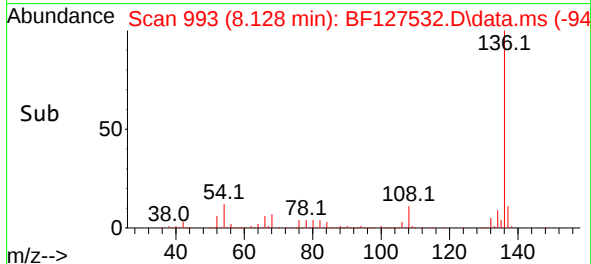
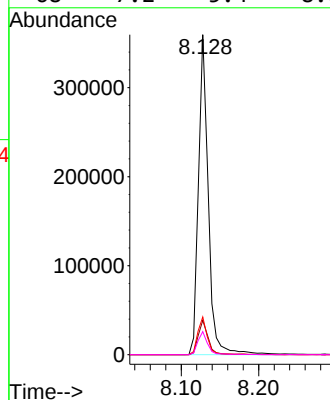
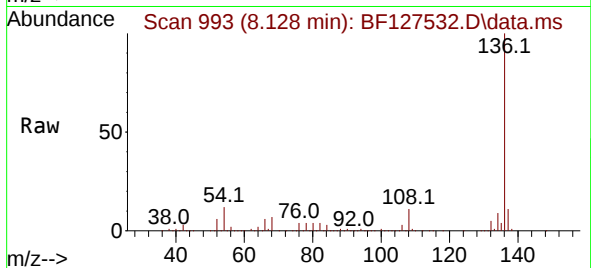




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.128 min Scan# 994  
Delta R.T. -0.006 min  
Lab File: BF127532.D  
Acq: 25 Mar 2022 18:16

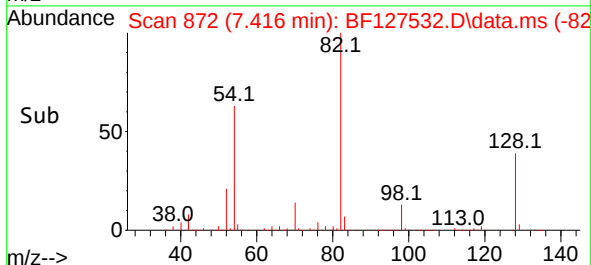
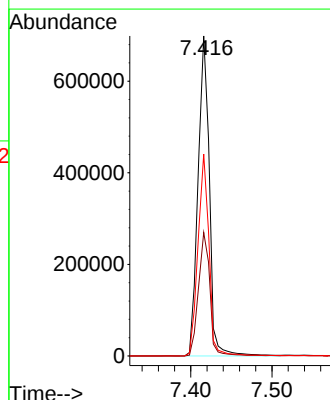
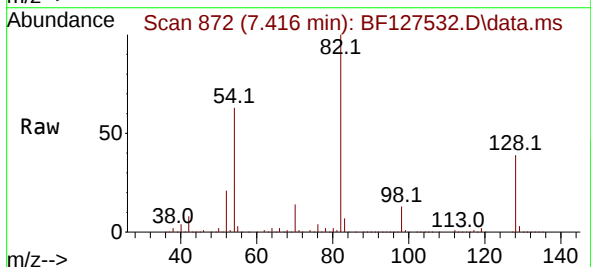
Instrument :  
BNA\_F  
ClientSampleId :  
WC-14A-3-2

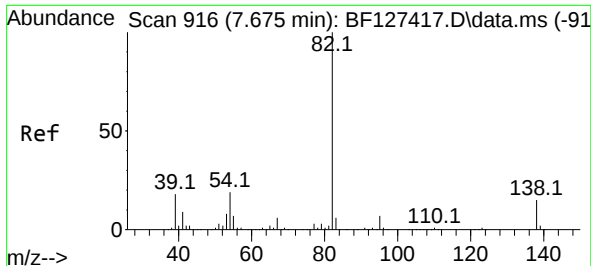
Tgt Ion:136 Resp: 317689  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 13.0  
54 11.8 9.2 13.8  
68 7.2 5.4 8.0



#23  
Nitrobenzene-d5  
Concen: 91.506 ng  
RT: 7.416 min Scan# 872  
Delta R.T. -0.006 min  
Lab File: BF127532.D  
Acq: 25 Mar 2022 18:16

Tgt Ion: 82 Resp: 680080  
Ion Ratio Lower Upper  
82 100  
128 38.6 30.6 45.8  
54 63.1 48.2 72.2

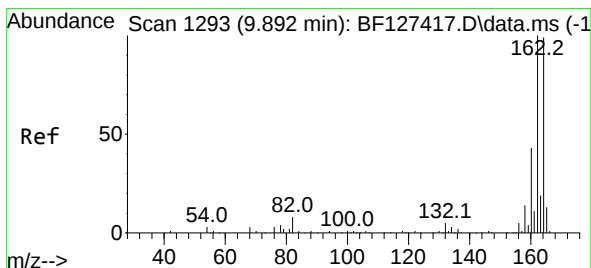
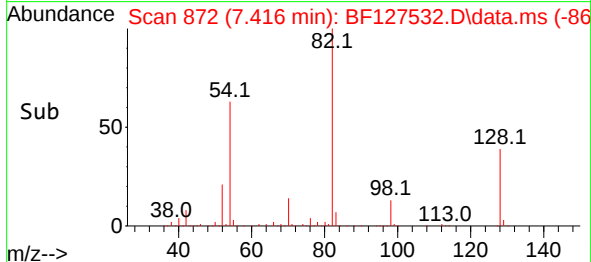
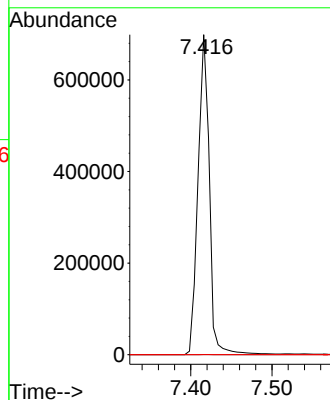
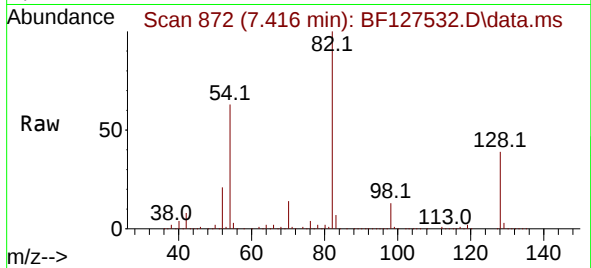




#25  
Isophorone  
Concen: 57.453 ng  
RT: 7.416 min Scan# 81  
Delta R.T. -0.259 min  
Lab File: BF127532.D  
Acq: 25 Mar 2022 18:16

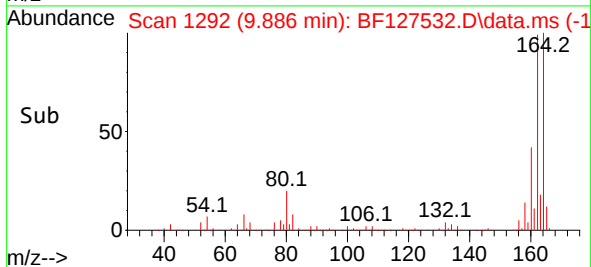
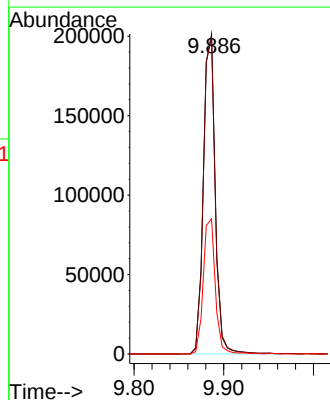
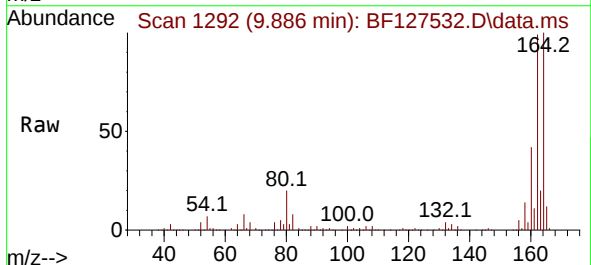
Instrument :  
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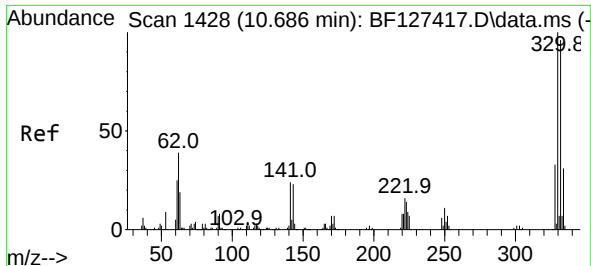
Tgt Ion: 82 Resp: 680080  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.8#  
138 0.0 11.6 17.4#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.886 min Scan# 1292  
Delta R.T. -0.006 min  
Lab File: BF127532.D  
Acq: 25 Mar 2022 18:16

Tgt Ion:164 Resp: 185310  
Ion Ratio Lower Upper  
164 100  
162 99.0 81.2 121.8  
160 42.3 34.6 52.0

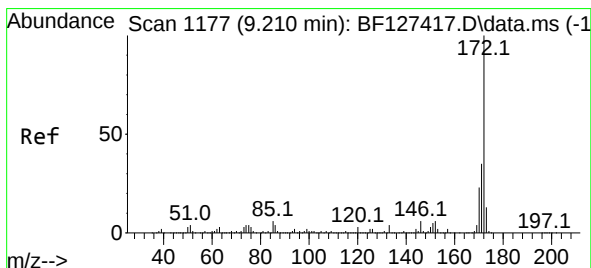
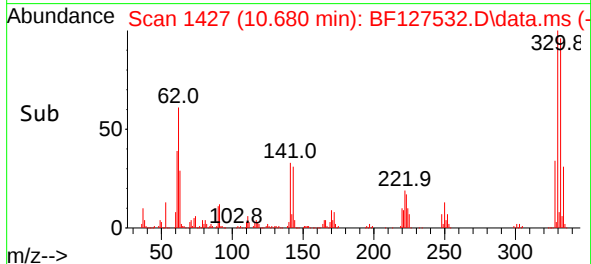
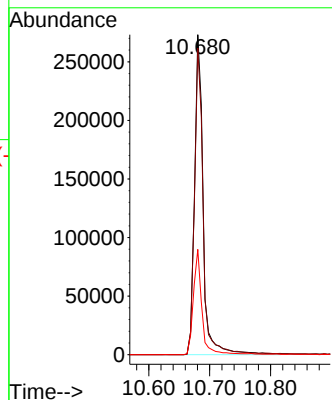
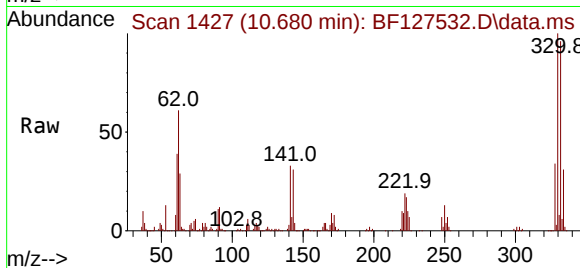




#42  
2,4,6-Tribromophenol  
Concen: 136.686 ng  
RT: 10.680 min Scan# 1428  
Delta R.T. -0.006 min  
Lab File: BF127532.D  
Acq: 25 Mar 2022 18:16

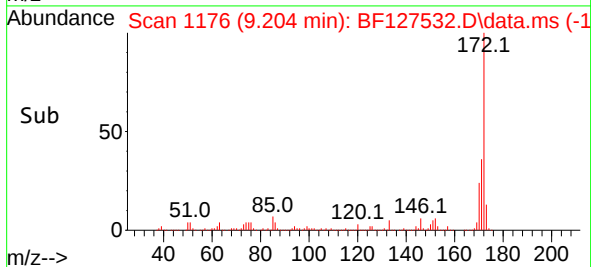
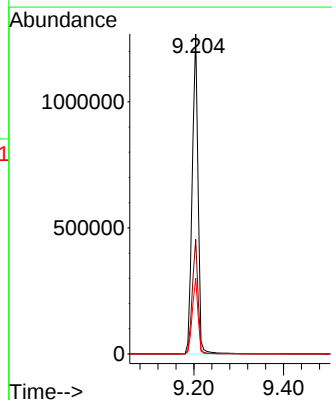
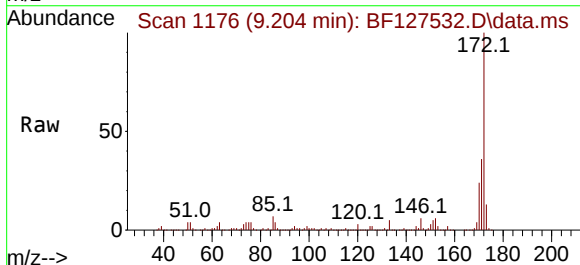
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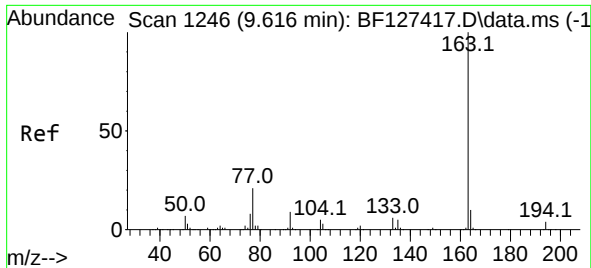
Tgt Ion:330 Resp: 269822  
Ion Ratio Lower Upper  
330 100  
332 97.5 79.1 118.7  
141 32.2 26.2 39.4



#45  
2-Fluorobiphenyl  
Concen: 90.543 ng  
RT: 9.204 min Scan# 1176  
Delta R.T. -0.006 min  
Lab File: BF127532.D  
Acq: 25 Mar 2022 18:16

Tgt Ion:172 Resp: 1149033  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.4 42.6  
170 23.6 18.6 27.8

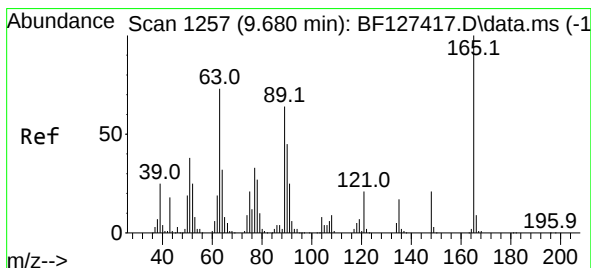
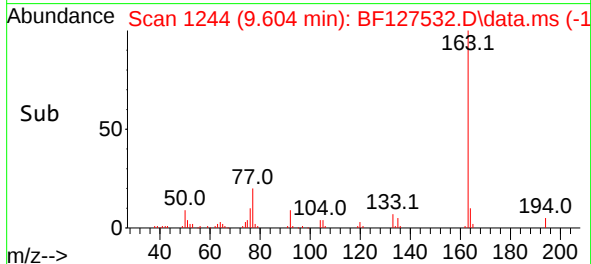
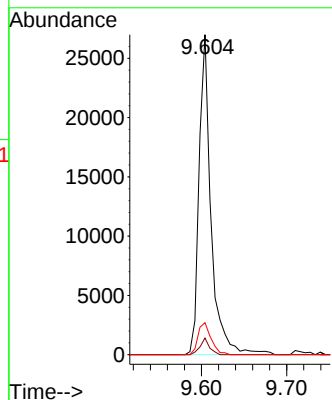
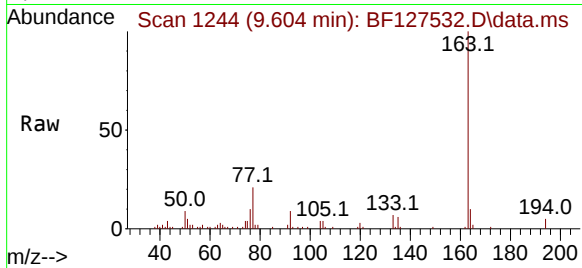




#50  
Dimethylphthalate  
Concen: 2.052 ng  
RT: 9.604 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF127532.D  
Acq: 25 Mar 2022 18:16

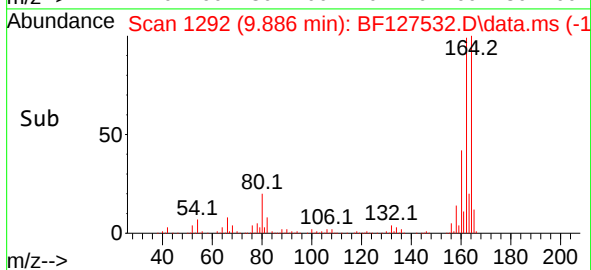
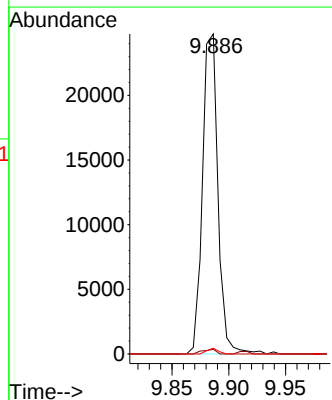
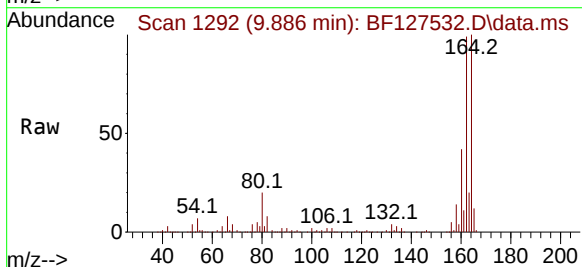
Instrument :  
BNA\_F  
ClientSampleId :  
WC-14A-3-2

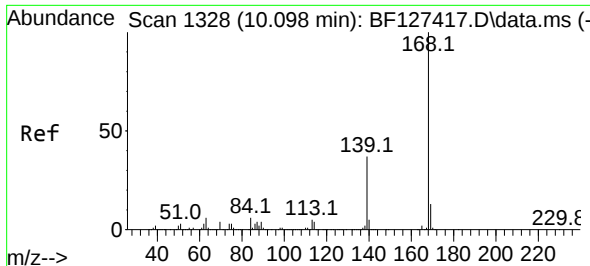
Tgt Ion:163 Resp: 26450  
Ion Ratio Lower Upper  
163 100  
194 5.2 3.3 4.9#  
164 10.0 7.8 11.8



#51  
2,6-Dinitrotoluene  
Concen: 8.692 ng  
RT: 9.886 min Scan# 1292  
Delta R.T. 0.206 min  
Lab File: BF127532.D  
Acq: 25 Mar 2022 18:16

Tgt Ion:165 Resp: 23522  
Ion Ratio Lower Upper  
165 100  
63 1.5 58.3 87.5#  
89 1.8 51.5 77.3#

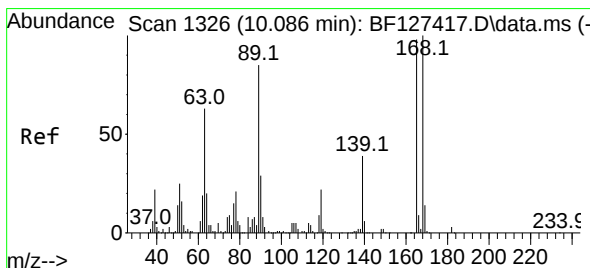
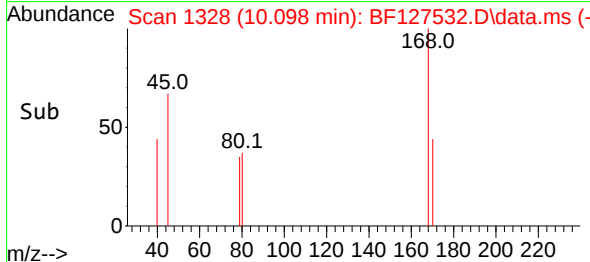
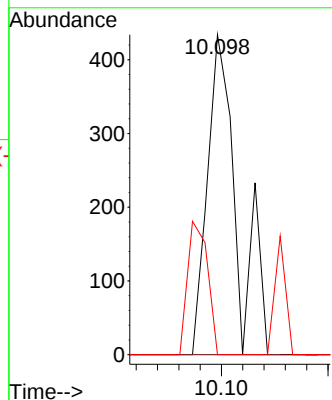
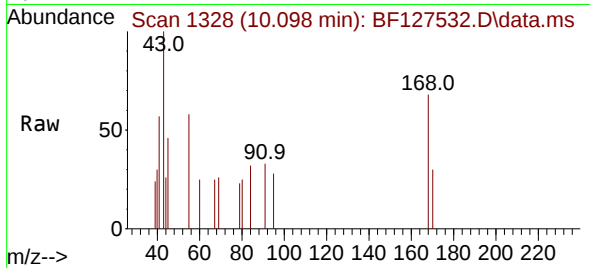




#55  
Dibenzenofuran  
Concen: Below Cal  
RT: 10.098 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF127532.D  
Acq: 25 Mar 2022 18:16

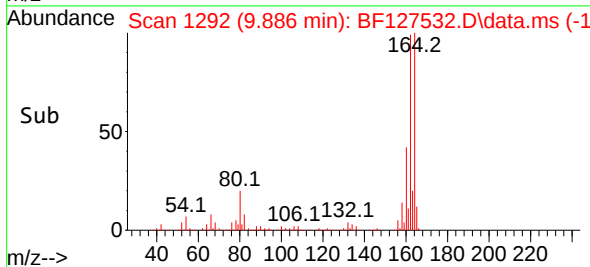
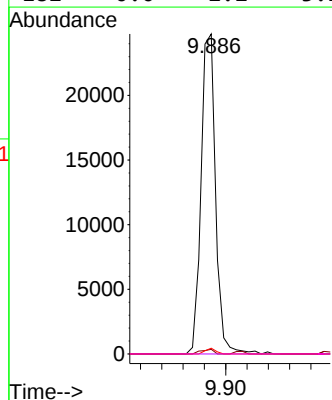
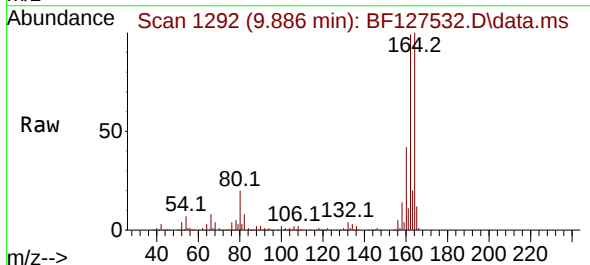
Instrument :  
BNA\_F  
ClientSampleId :  
WC-14A-3-2

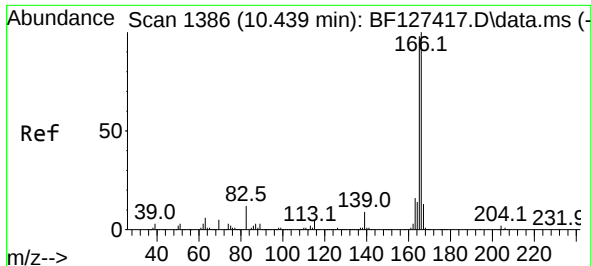
Tgt Ion:168 Resp: 417  
Ion Ratio Lower Upper  
168 100  
139 0.0 30.3 45.5#  
169 0.0 10.8 16.2#



#57  
2,4-Dinitrotoluene  
Concen: 6.753 ng  
RT: 9.886 min Scan# 1292  
Delta R.T. -0.200 min  
Lab File: BF127532.D  
Acq: 25 Mar 2022 18:16

Tgt Ion:165 Resp: 23522  
Ion Ratio Lower Upper  
165 100  
63 1.5 53.1 79.7#  
89 1.8 69.2 103.8#  
182 0.0 2.2 3.2#

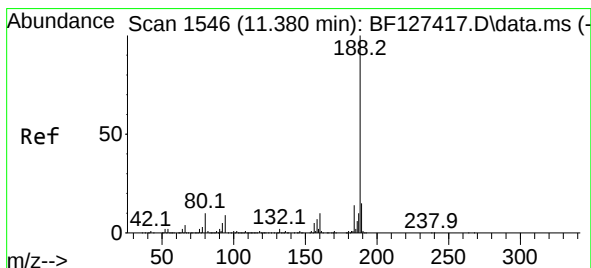
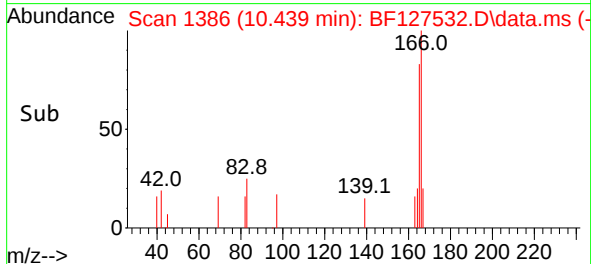
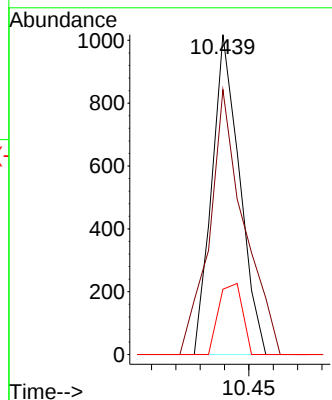
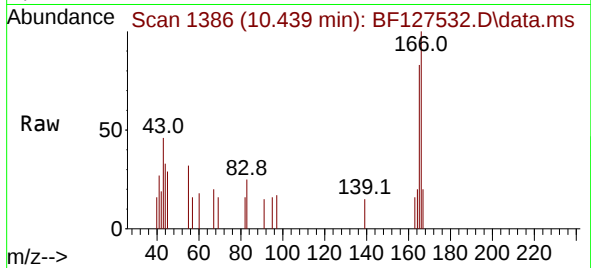




#58  
Fluorene  
Concen: Below Cal  
RT: 10.439 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF127532.D  
Acq: 25 Mar 2022 18:16

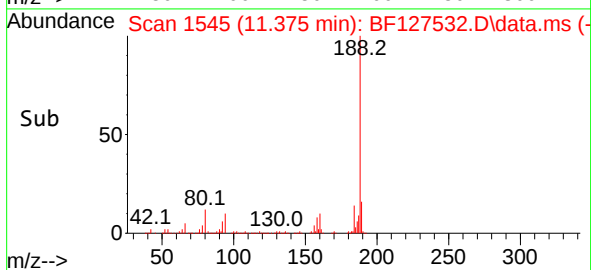
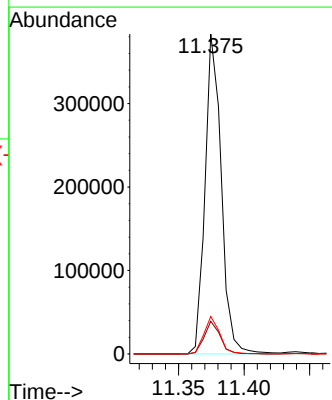
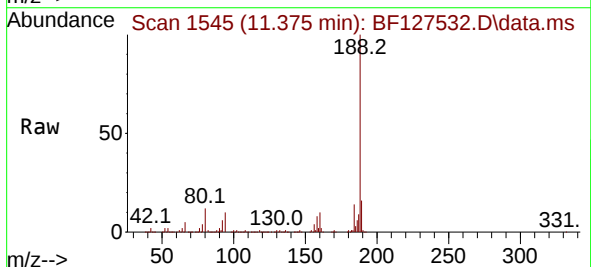
Instrument :  
BNA\_F  
ClientSampleId :  
WC-14A-3-2

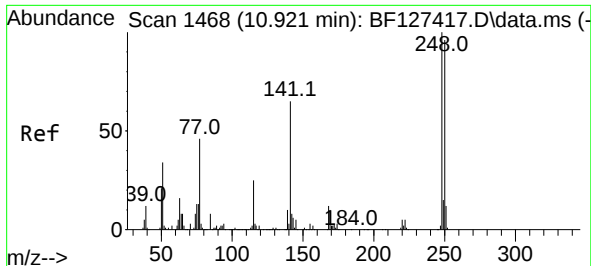
Tgt Ion:166 Resp: 804  
Ion Ratio Lower Upper  
166 100  
165 82.8 78.1 117.1  
167 20.4 10.5 15.7#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.375 min Scan# 1545  
Delta R.T. -0.005 min  
Lab File: BF127532.D  
Acq: 25 Mar 2022 18:16

Tgt Ion:188 Resp: 331620  
Ion Ratio Lower Upper  
188 100  
94 10.2 7.4 11.0  
80 11.7 8.0 12.0

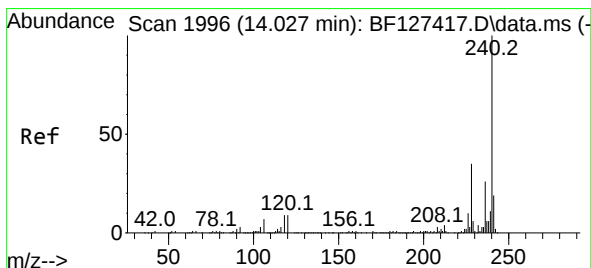
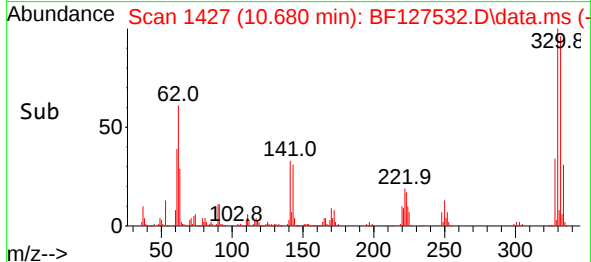
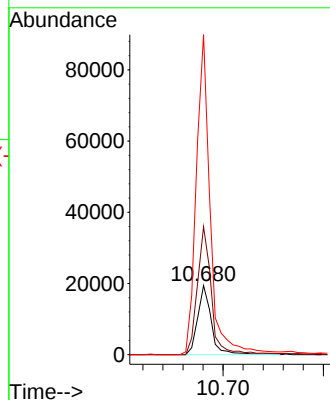
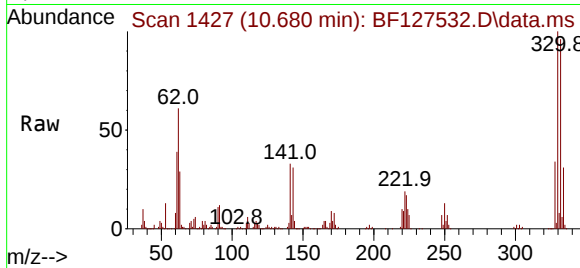




#67  
4-Bromophenyl-phenylether  
Concen: 4.728 ng  
RT: 10.680 min Scan# 1468  
Delta R.T. -0.241 min  
Lab File: BF127532.D  
Acq: 25 Mar 2022 18:16

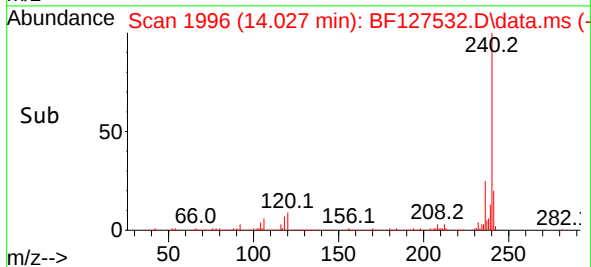
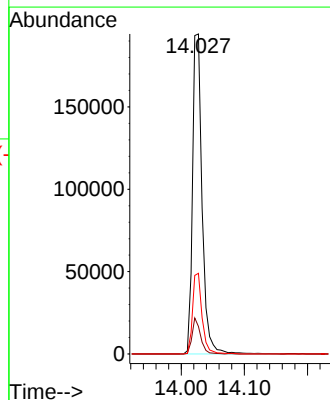
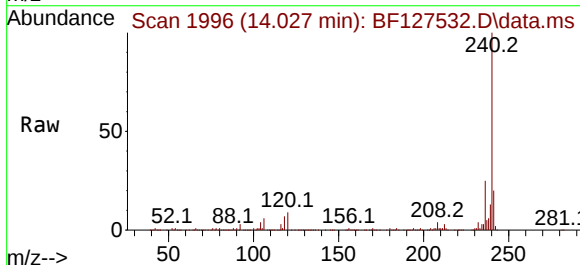
Instrument :  
BNA\_F  
ClientSampleId :  
WC-14A-3-2

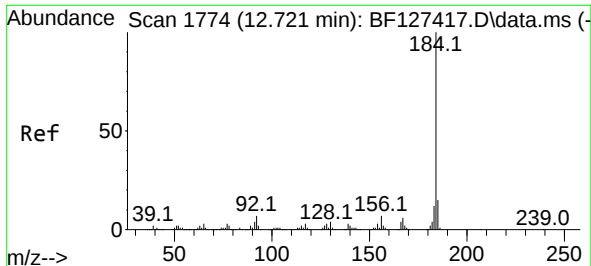
Tgt Ion:248 Resp: 18306  
Ion Ratio Lower Upper  
248 100  
250 185.3 76.6 115.0#  
141 463.3 52.2 78.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.027 min Scan# 1996  
Delta R.T. 0.000 min  
Lab File: BF127532.D  
Acq: 25 Mar 2022 18:16

Tgt Ion:240 Resp: 206142  
Ion Ratio Lower Upper  
240 100  
120 8.6 7.1 10.7  
236 25.2 20.7 31.1

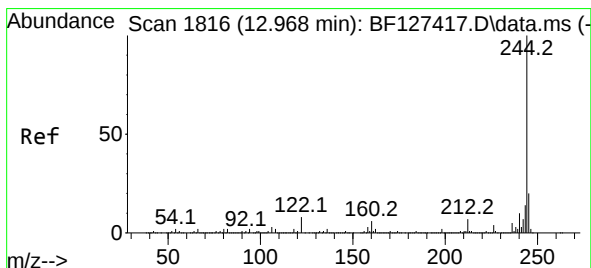
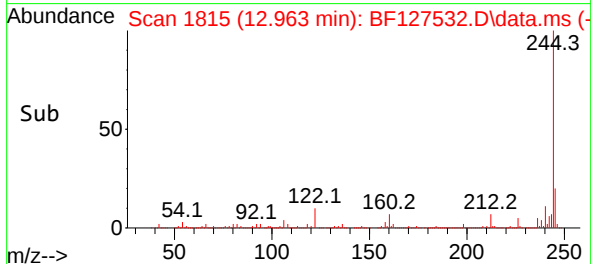
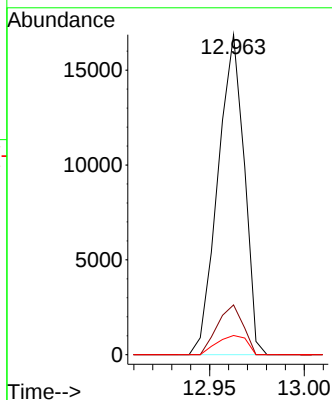
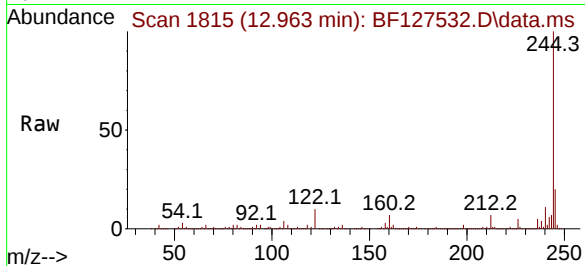




#77  
Benzidine  
Concen: 3.312 ng  
RT: 12.963 min Scan# 1815  
Delta R.T. 0.241 min  
Lab File: BF127532.D  
Acq: 25 Mar 2022 18:16

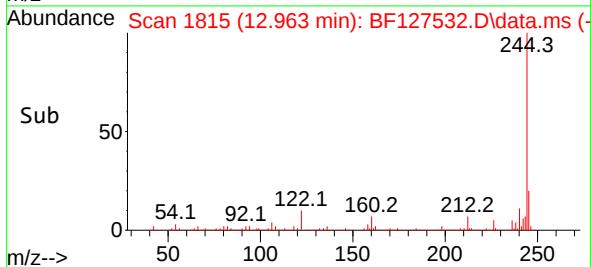
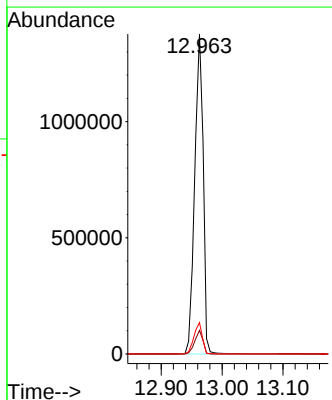
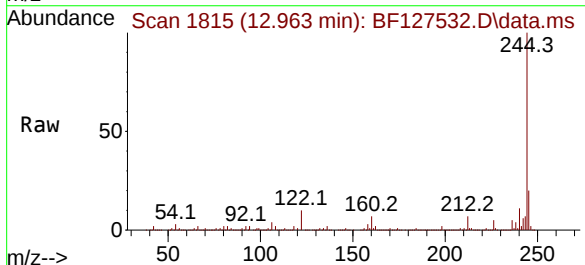
Instrument :  
BNA\_F  
ClientSampleId :  
WC-14A-3-2

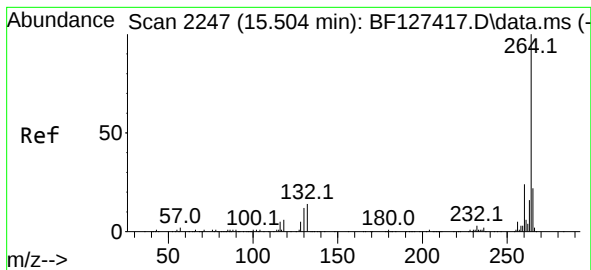
Tgt Ion:184 Resp: 16280  
Ion Ratio Lower Upper  
184 100  
185 15.5 12.2 18.2  
183 6.0 9.4 14.0#



#79  
Terphenyl-d14  
Concen: 105.819 ng  
RT: 12.963 min Scan# 1815  
Delta R.T. -0.006 min  
Lab File: BF127532.D  
Acq: 25 Mar 2022 18:16

Tgt Ion:244 Resp: 1332528  
Ion Ratio Lower Upper  
244 100  
212 7.3 5.7 8.5  
122 9.8 6.2 9.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF127532.D

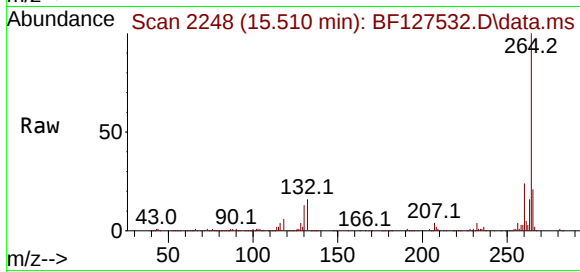
Acq: 25 Mar 2022 18:16

Instrument :

BNA\_F

ClientSampleId :

WC-14A-3-2



Tgt Ion:264 Resp: 175412

Ion Ratio Lower Upper

264 100

260 23.6 19.1 28.7

265 20.8 17.4 26.2

