

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122022\  
 Data File : BF131727.D  
 Acq On : 20 Dec 2022 22:45  
 Operator : CG\JU  
 Sample : N6071-11  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FVSUB-TP8-COMP-08

Quant Time: Dec 21 04:49:31 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122022.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 21 03:12:37 2022  
 Response via : Initial Calibration

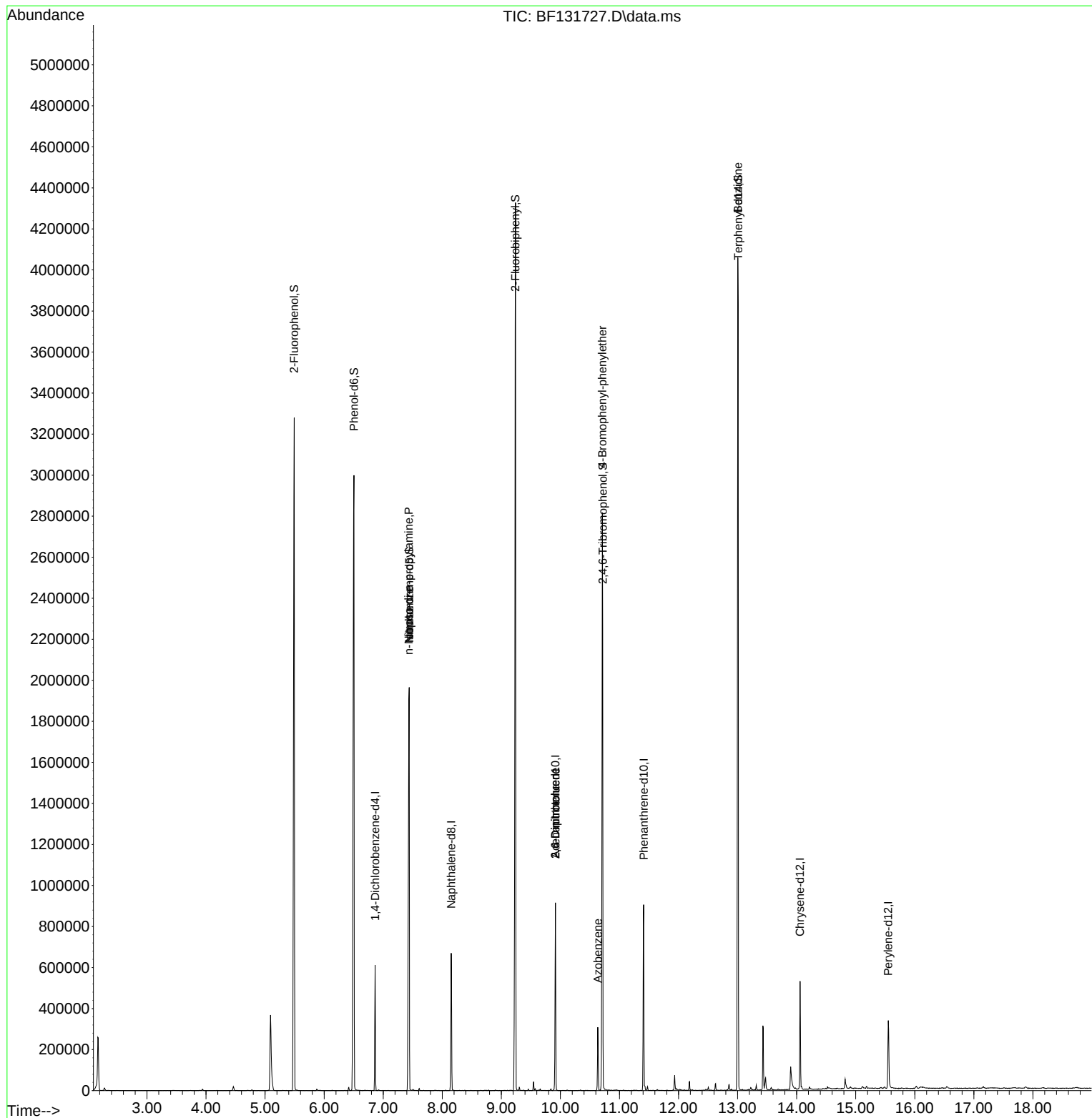
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min)  |
|-------------------------------|--------|------|----------|-----------|-------|-----------|
| -----                         |        |      |          |           |       |           |
| Internal Standards            |        |      |          |           |       |           |
| 1) 1,4-Dichlorobenzene-d4     | 6.863  | 152  | 76768    | 20.000    | ng    | 0.00      |
| 21) Naphthalene-d8            | 8.151  | 136  | 285098   | 20.000    | ng    | 0.00      |
| 39) Acenaphthene-d10          | 9.916  | 164  | 168478   | 20.000    | ng    | 0.00      |
| 64) Phenanthrene-d10          | 11.410 | 188  | 327229   | 20.000    | ng    | 0.00      |
| 76) Chrysene-d12              | 14.057 | 240  | 161096   | 20.000    | ng    | 0.00      |
| 86) Perylene-d12              | 15.551 | 264  | 156202   | 20.000    | ng    | 0.00      |
| System Monitoring Compounds   |        |      |          |           |       |           |
| 5) 2-Fluorophenol             | 5.493  | 112  | 949694   | 208.313   | ng    | 0.02      |
| 7) Phenol-d6                  | 6.504  | 99   | 1257163  | 204.875   | ng    | 0.00      |
| 23) Nitrobenzene-d5           | 7.440  | 82   | 868088   | 123.610   | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 336996   | 182.747   | ng    | 0.00      |
| 45) 2-Fluorobiphenyl          | 9.239  | 172  | 1413770  | 117.549   | ng    | 0.00      |
| 79) Terphenyl-d14             | 13.010 | 244  | 1602748  | 155.058   | ng    | 0.00      |
| Target Compounds              |        |      |          |           |       |           |
| 9) Benzaldehyde               | 6.416  | 77   | 3335     | Below Cal |       | Qvalue 93 |
| 19) n-Nitroso-di-n-propyla... | 7.434  | 70   | 120116   | 27.142    | ng    | # 80      |
| 25) Isophorone                | 7.440  | 82   | 865364   | 72.558    | ng    | # 70      |
| 51) 2,6-Dinitrotoluene        | 9.916  | 165  | 22212    | 8.149     | ng    | # 19      |
| 57) 2,4-Dinitrotoluene        | 9.916  | 165  | 22212    | 6.064     | ng    | # 18      |
| 63) Azobenzene                | 10.633 | 77   | 53763    | 4.008     | ng    | # 1       |
| 67) 4-Bromophenyl-phenylether | 10.710 | 248  | 23460    | 6.070     | ng    | # 1       |
| 77) Benzidine                 | 13.004 | 184  | 24451    | 8.277     | ng    | # 88      |
| -----                         |        |      |          |           |       |           |

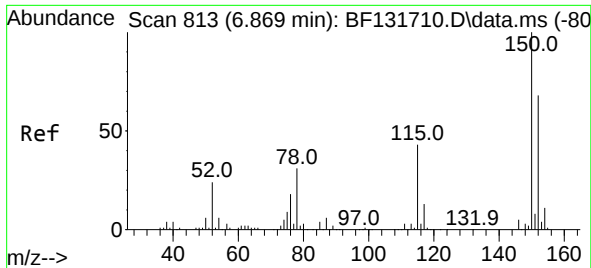
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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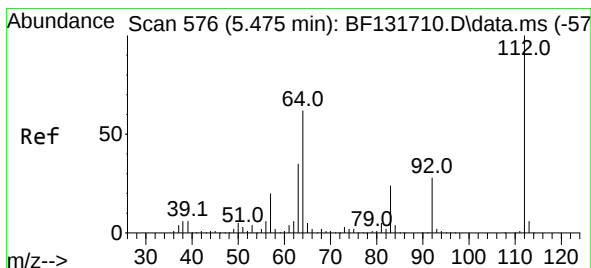
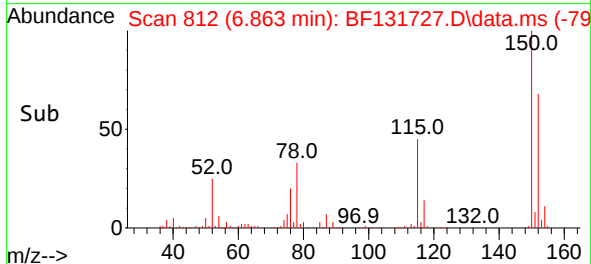
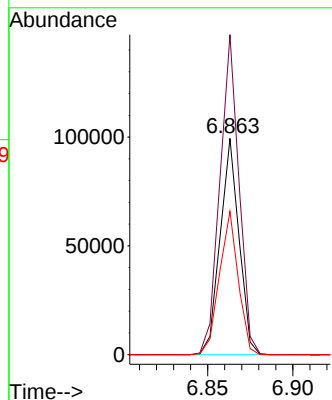
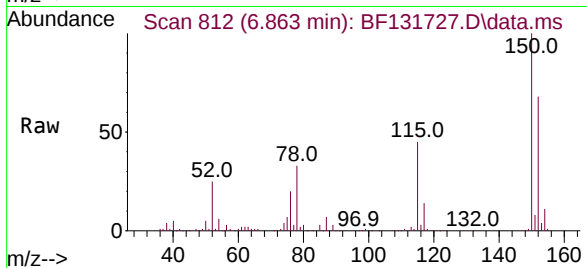




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.863 min Scan# 813  
Delta R.T. -0.006 min  
Lab File: BF131727.D  
Acq: 20 Dec 2022 22:45

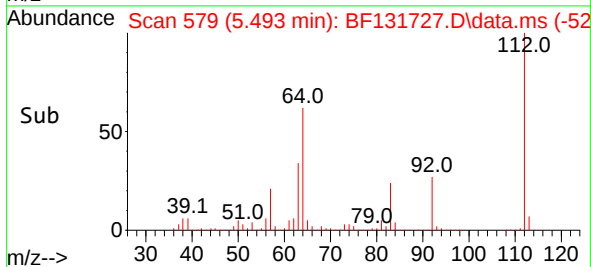
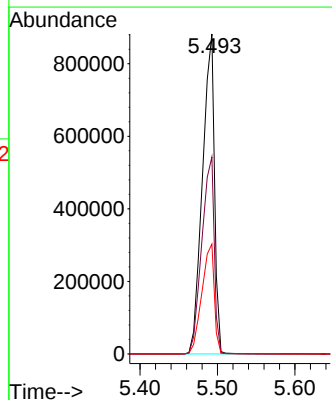
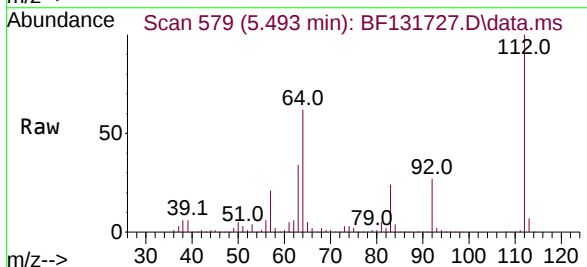
Instrument :  
BNA\_F  
ClientSampleId :  
FVSUB-TP8-COMP-08

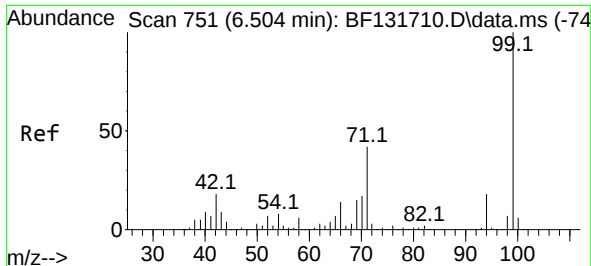
Tgt Ion:152 Resp: 76768  
Ion Ratio Lower Upper  
152 100  
150 147.9 117.4 176.0  
115 66.3 50.2 75.4



#5  
2-Fluorophenol  
Concen: 208.313 ng  
RT: 5.493 min Scan# 579  
Delta R.T. 0.018 min  
Lab File: BF131727.D  
Acq: 20 Dec 2022 22:45

Tgt Ion:112 Resp: 949694  
Ion Ratio Lower Upper  
112 100  
64 61.5 49.5 74.3  
63 34.4 28.2 42.2



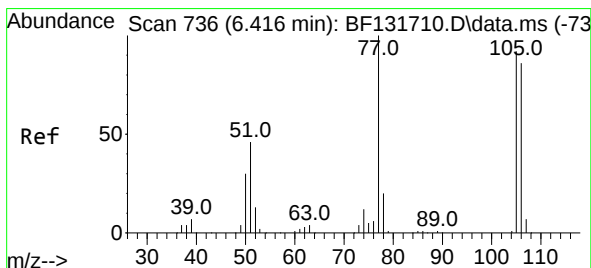
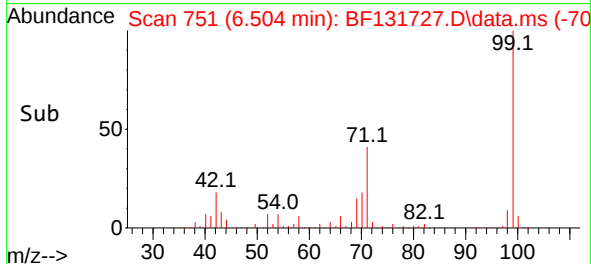
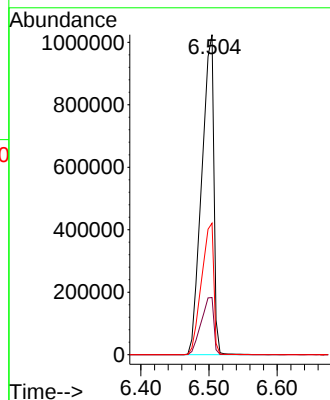
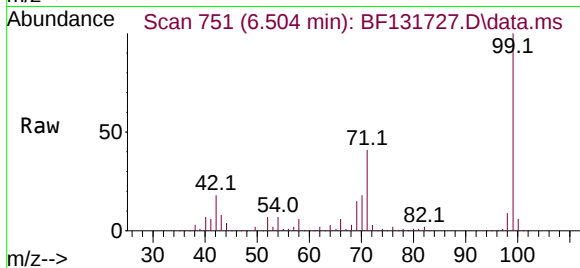


#7  
Phenol-d6  
Concen: 204.875 ng  
RT: 6.504 min Scan# 751  
Delta R.T. 0.000 min  
Lab File: BF131727.D  
Acq: 20 Dec 2022 22:45

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 99 Resp: 1257163

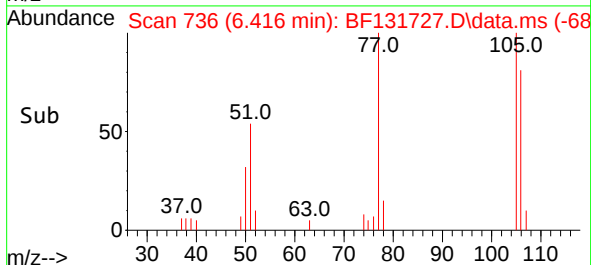
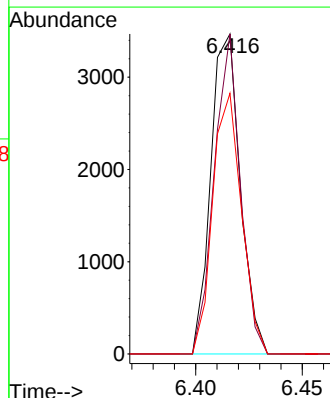
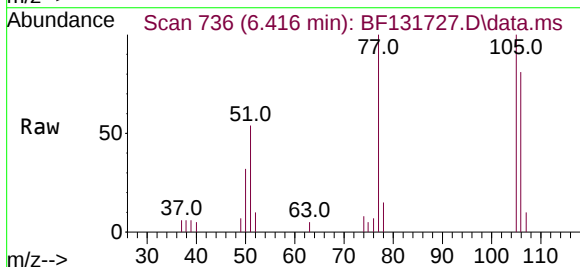
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.8  | 14.8  | 22.2  |
| 71  | 41.1  | 33.8  | 50.6  |

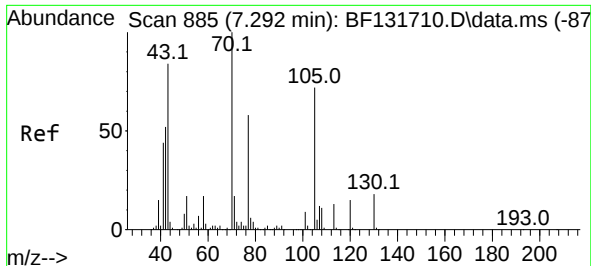


#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.416 min Scan# 736  
Delta R.T. 0.000 min  
Lab File: BF131727.D  
Acq: 20 Dec 2022 22:45

Tgt Ion: 77 Resp: 3335

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 105 | 100.0 | 72.4  | 112.4 |
| 106 | 81.4  | 66.5  | 106.5 |

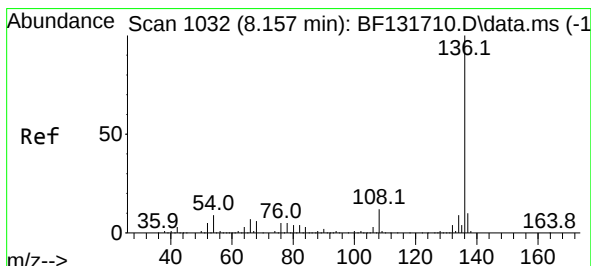
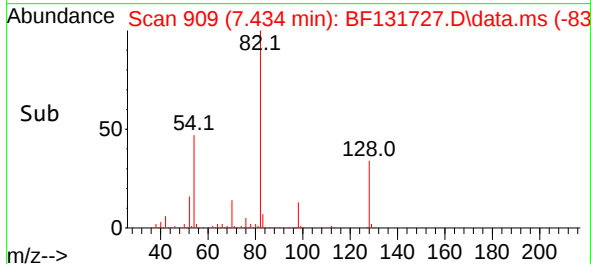
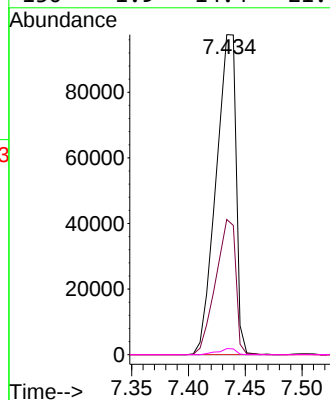
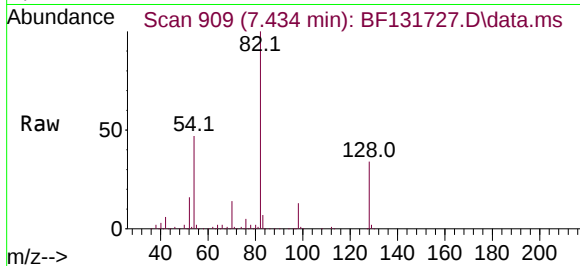




#19  
n-Nitroso-di-n-propylamine  
Concen: 27.142 ng  
RT: 7.434 min Scan# 90  
Delta R.T. 0.141 min  
Lab File: BF131727.D  
Acq: 20 Dec 2022 22:45

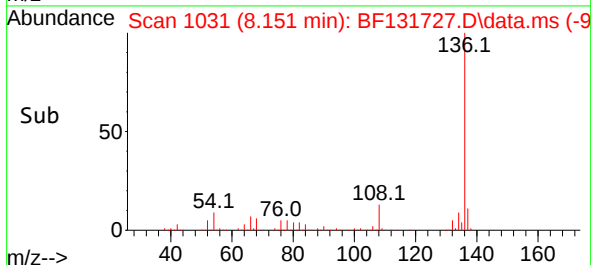
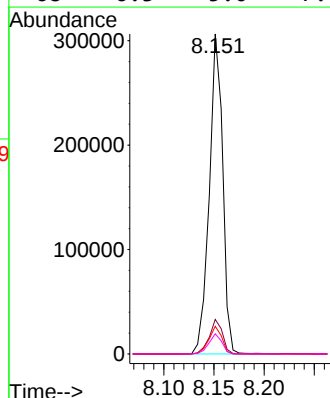
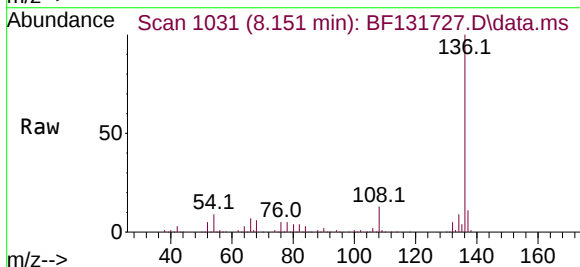
Instrument :  
BNA\_F  
ClientSampleId :  
FVSUB-TP8-COMP-08

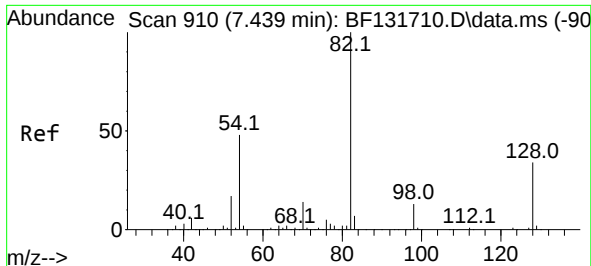
Tgt Ion: 70 Resp: 120116  
Ion Ratio Lower Upper  
70 100  
42 42.2 41.5 62.3  
101 0.0 7.3 10.9#  
130 1.9 14.4 21.6#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF131727.D  
Acq: 20 Dec 2022 22:45

Tgt Ion: 136 Resp: 285098  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.4 12.6  
54 8.6 7.2 10.8  
68 6.3 5.0 7.6





#23

Nitrobenzene-d5

Concen: 123.610 ng

RT: 7.440 min Scan# 910

Delta R.T. 0.000 min

Lab File: BF131727.D

Acq: 20 Dec 2022 22:45

Instrument :

BNA\_F

ClientSampleId :

FVSUB-TP8-COMP-08

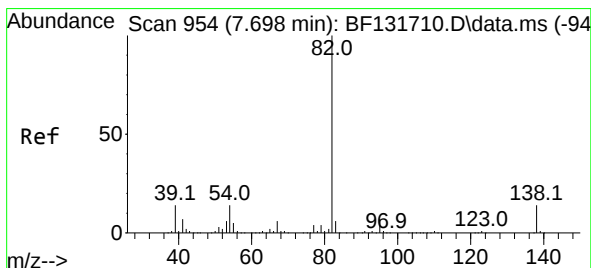
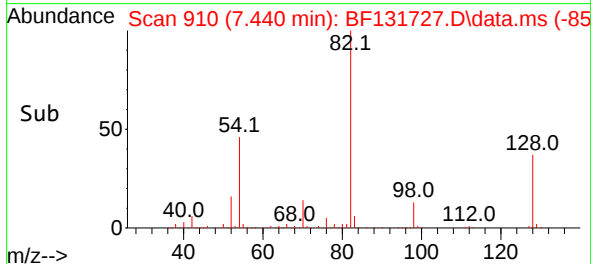
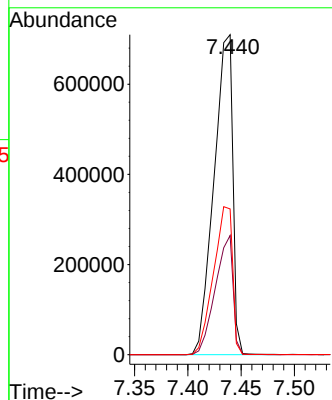
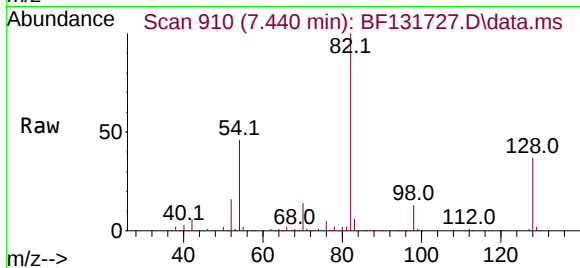
Tgt Ion: 82 Resp: 868088

Ion Ratio Lower Upper

82 100

128 37.3 27.3 40.9

54 45.5 38.2 57.2



#25

Isophorone

Concen: 72.558 ng

RT: 7.440 min Scan# 910

Delta R.T. -0.259 min

Lab File: BF131727.D

Acq: 20 Dec 2022 22:45

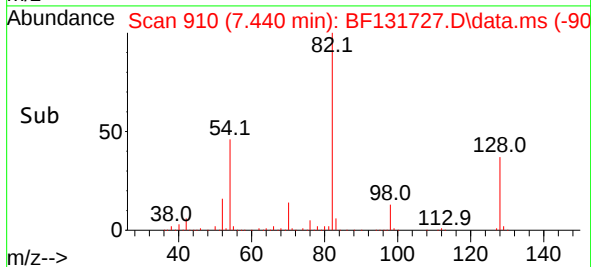
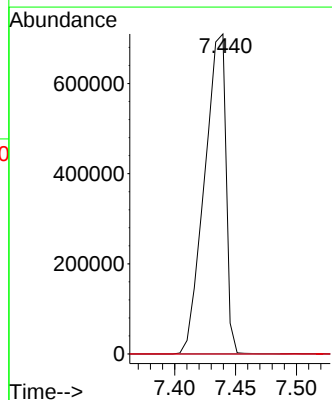
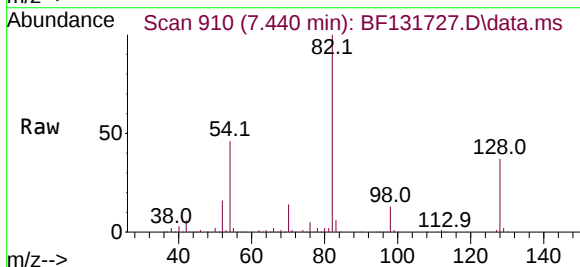
Tgt Ion: 82 Resp: 865364

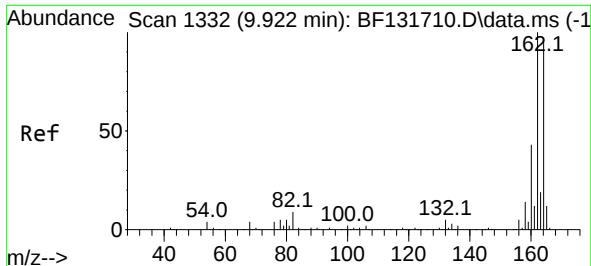
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 11.6 17.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131727.D

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FVSUB-TP8-COMP-08

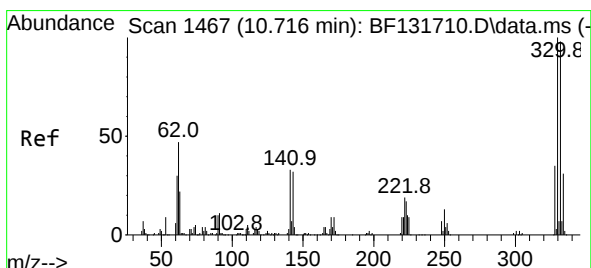
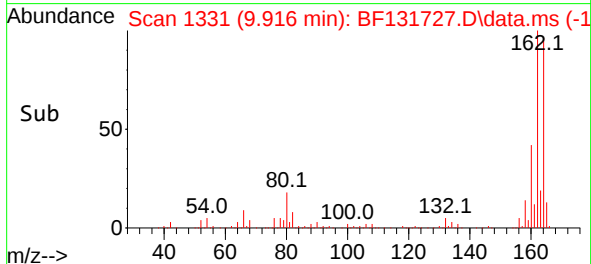
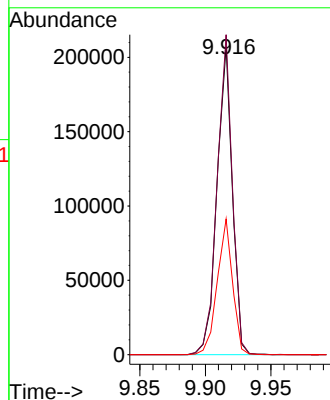
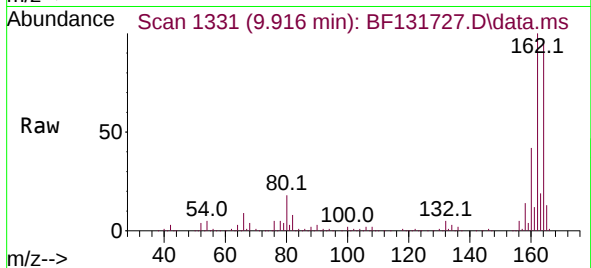
Tgt Ion:164 Resp: 168478

Ion Ratio Lower Upper

164 100

162 103.8 83.7 125.5

160 44.0 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 182.747 ng

RT: 10.716 min Scan# 1467

Delta R.T. 0.000 min

Lab File: BF131727.D

Acq: 20 Dec 2022 22:45

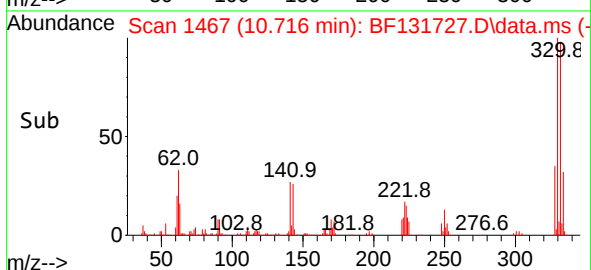
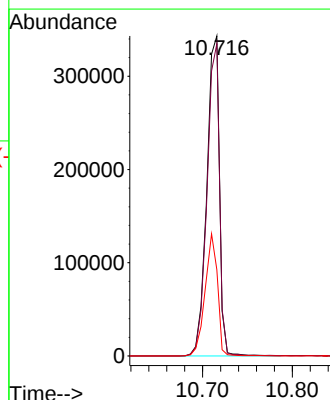
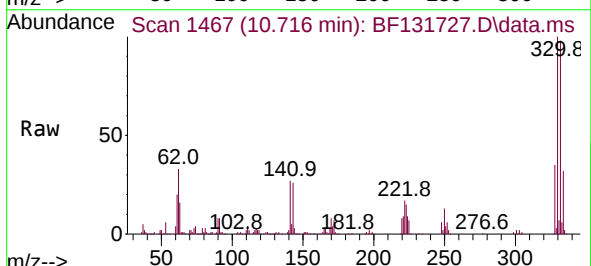
Tgt Ion:330 Resp: 336996

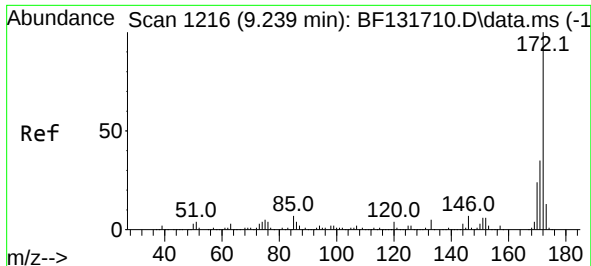
Ion Ratio Lower Upper

330 100

332 96.1 77.1 115.7

141 37.4 30.4 45.6

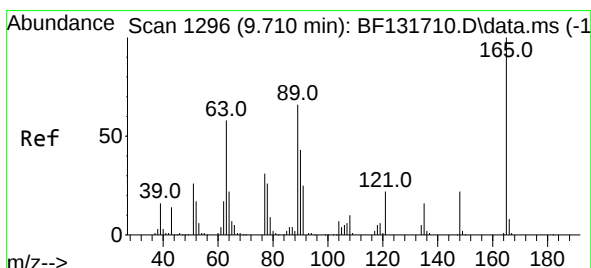
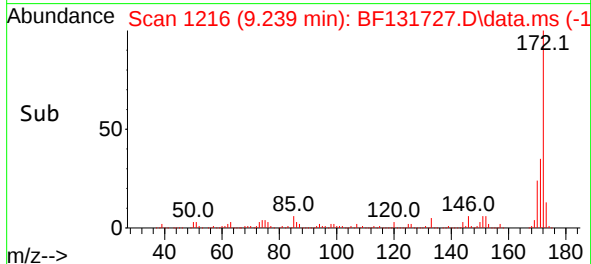
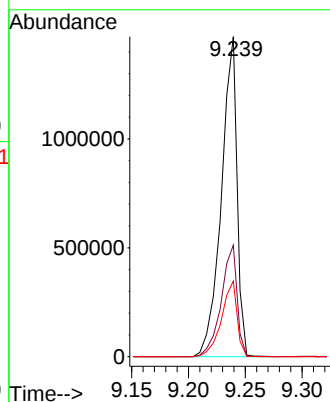
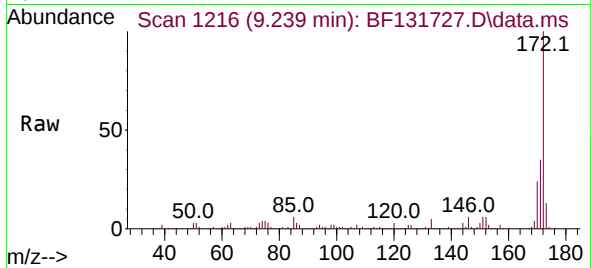




#45  
2-Fluorobiphenyl  
Concen: 117.549 ng  
RT: 9.239 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF131727.D  
Acq: 20 Dec 2022 22:45

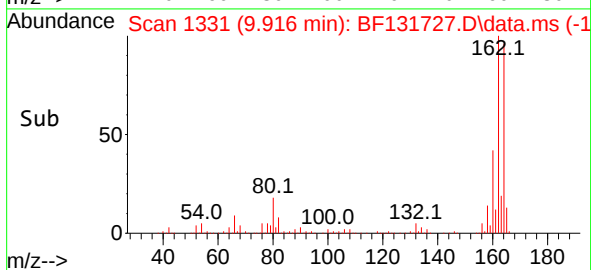
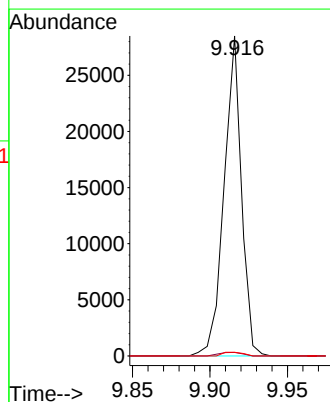
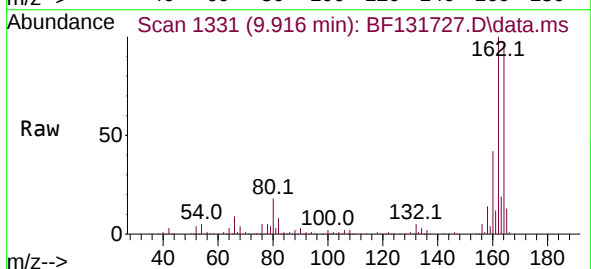
Instrument :  
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FVSUB-TP8-COMP-08

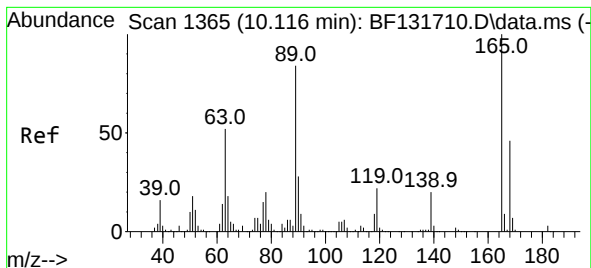
Tgt Ion:172 Resp: 1413770  
Ion Ratio Lower Upper  
172 100  
171 34.9 27.9 41.9  
170 23.7 19.0 28.4



#51  
2,6-Dinitrotoluene  
Concen: 8.149 ng  
RT: 9.916 min Scan# 1331  
Delta R.T. 0.206 min  
Lab File: BF131727.D  
Acq: 20 Dec 2022 22:45

Tgt Ion:165 Resp: 22212  
Ion Ratio Lower Upper  
165 100  
63 1.1 51.8 77.8#  
89 1.2 53.2 79.8#

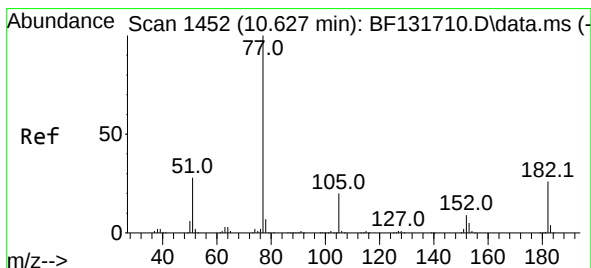
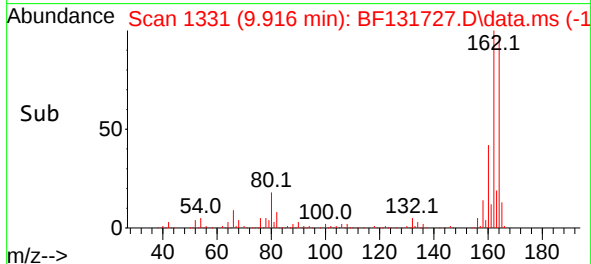
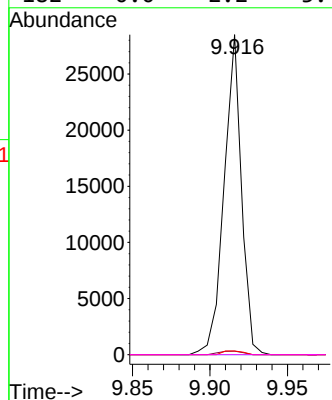
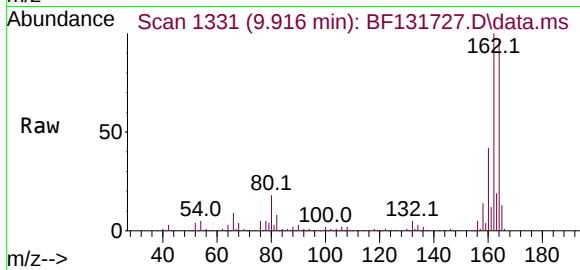




#57  
2,4-Dinitrotoluene  
Concen: 6.064 ng  
RT: 9.916 min Scan# 11  
Delta R.T. -0.200 min  
Lab File: BF131727.D  
Acq: 20 Dec 2022 22:45

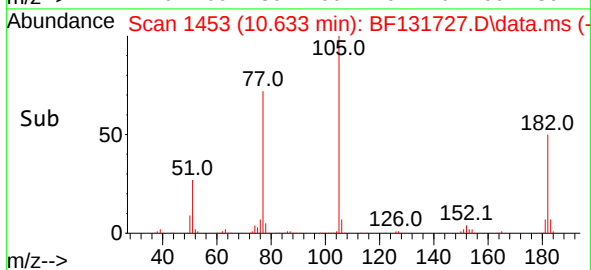
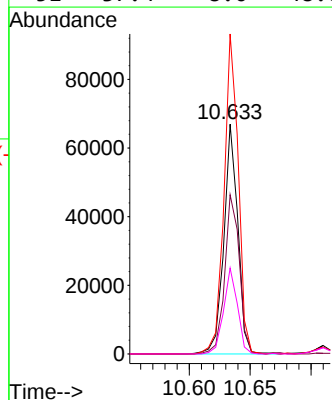
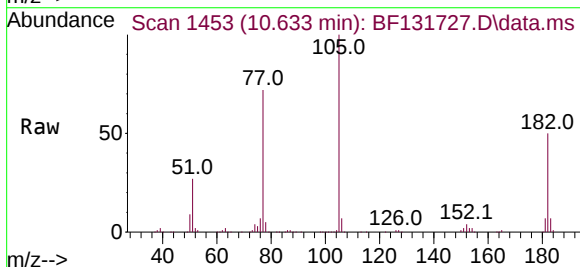
Instrument :  
BNA\_F  
ClientSampleId :  
FVSUB-TP8-COMP-08

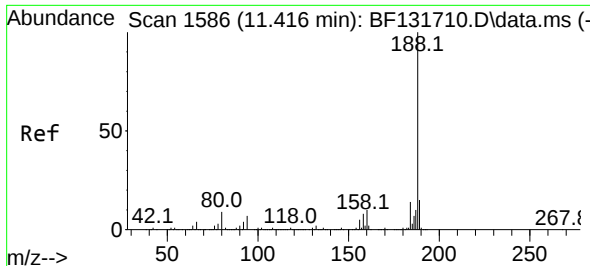
Tgt Ion:165 Resp: 22212  
Ion Ratio Lower Upper  
165 100  
63 1.1 41.5 62.3#  
89 1.2 67.0 100.4#  
182 0.0 2.2 3.4#



#63  
Azobenzene  
Concen: 4.008 ng  
RT: 10.633 min Scan# 1453  
Delta R.T. 0.006 min  
Lab File: BF131727.D  
Acq: 20 Dec 2022 22:45

Tgt Ion: 77 Resp: 53763  
Ion Ratio Lower Upper  
77 100  
182 69.3 5.8 45.8#  
105 139.3 0.0 39.7#  
51 37.4 8.0 48.0

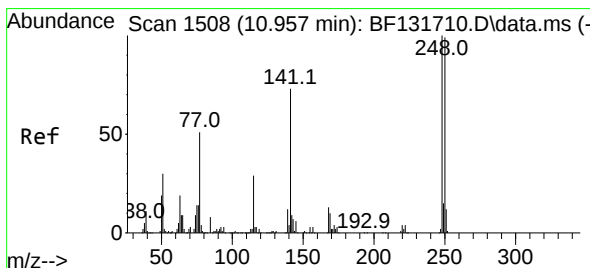
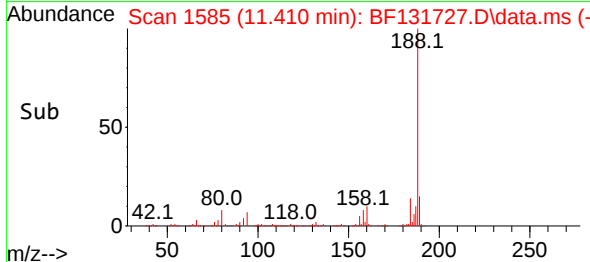
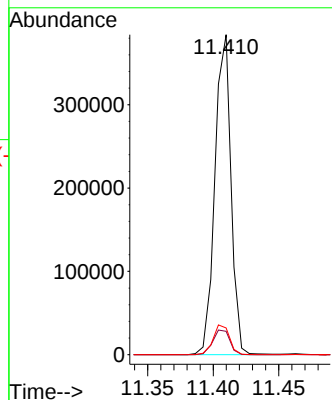
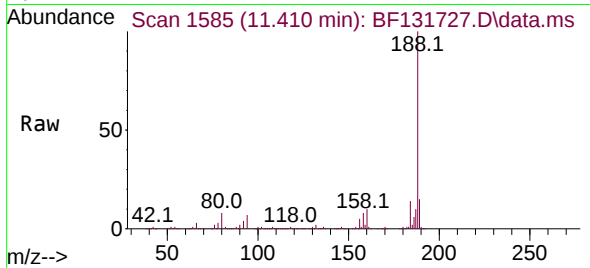




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF131727.D  
Acq: 20 Dec 2022 22:45

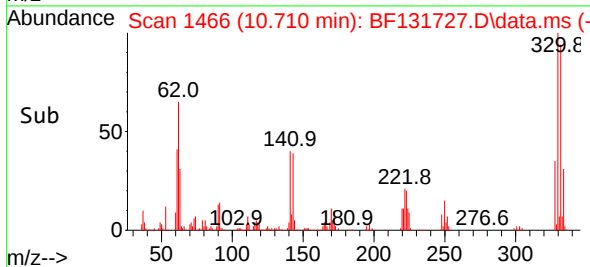
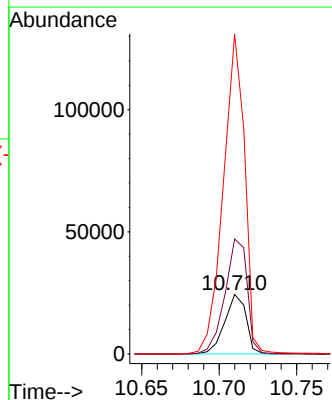
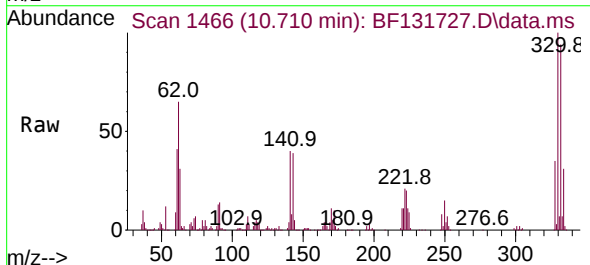
Instrument :  
BNA\_F  
ClientSampleId :  
FVSUB-TP8-COMP-08

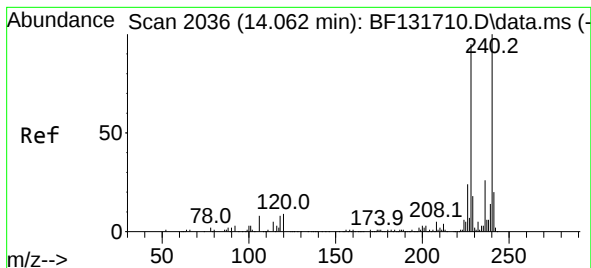
Tgt Ion:188 Resp: 327229  
Ion Ratio Lower Upper  
188 100  
94 7.3 5.9 8.9  
80 8.3 7.0 10.6



#67  
4-Bromophenyl-phenylether  
Concen: 6.070 ng  
RT: 10.710 min Scan# 1466  
Delta R.T. -0.247 min  
Lab File: BF131727.D  
Acq: 20 Dec 2022 22:45

Tgt Ion:248 Resp: 23460  
Ion Ratio Lower Upper  
248 100  
250 193.2 79.4 119.0#  
141 537.8 58.1 87.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF131727.D

Acq: 20 Dec 2022 22:45

Instrument :

BNA\_F

ClientSampleId :

FVSUB-TP8-COMP-08

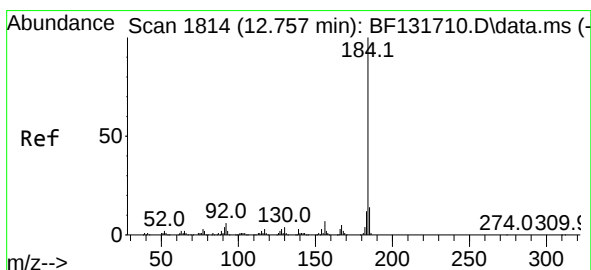
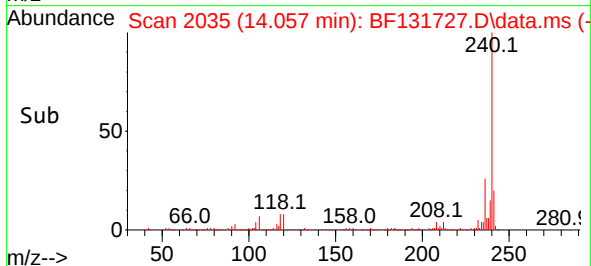
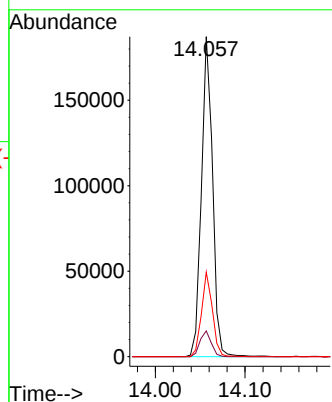
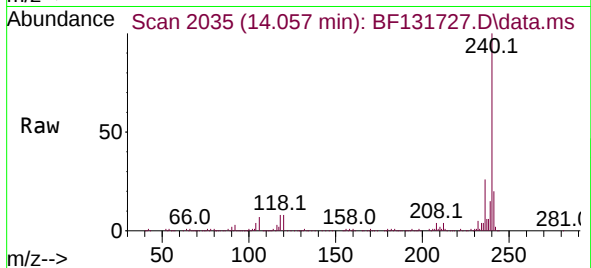
Tgt Ion:240 Resp: 161096

Ion Ratio Lower Upper

240 100

120 8.0 7.6 11.4

236 26.5 21.2 31.8



#77

Benzidine

Concen: 8.277 ng

RT: 13.004 min Scan# 1856

Delta R.T. 0.247 min

Lab File: BF131727.D

Acq: 20 Dec 2022 22:45

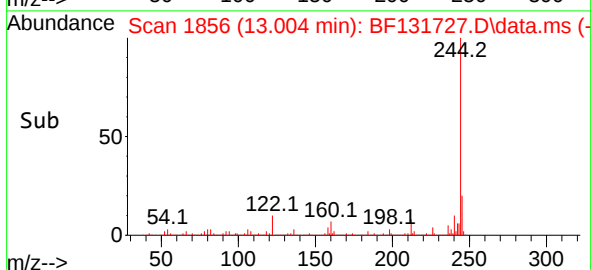
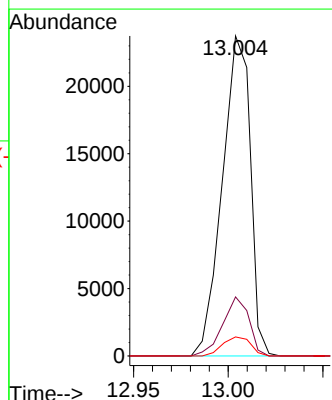
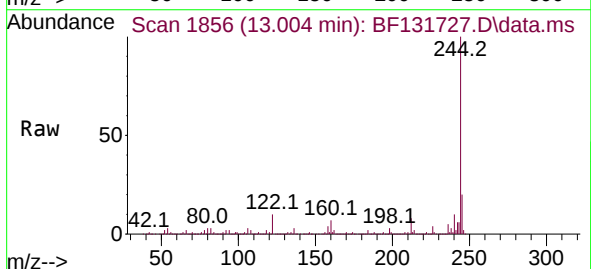
Tgt Ion:184 Resp: 24451

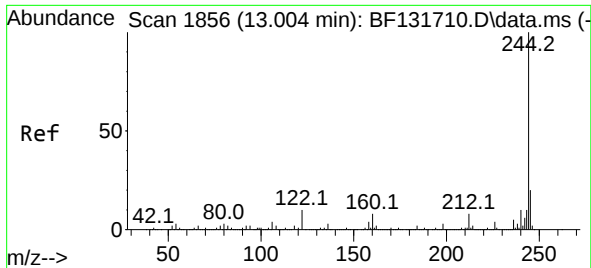
Ion Ratio Lower Upper

184 100

185 18.4 11.3 16.9#

183 6.0 9.3 13.9#

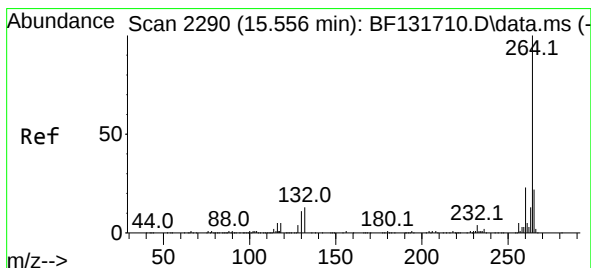
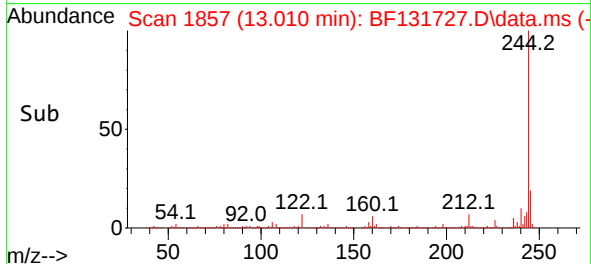
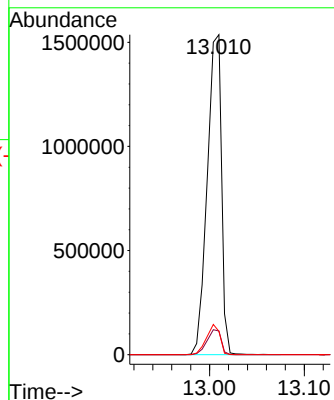
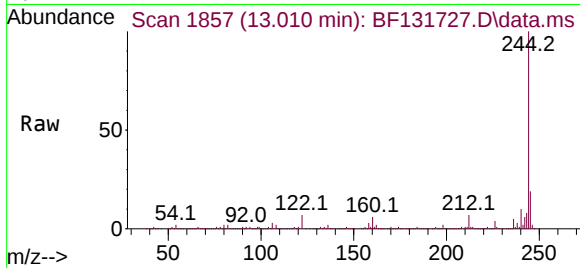




#79  
 Terphenyl-d14  
 Concen: 155.058 ng  
 RT: 13.010 min Scan# 1856  
 Delta R.T. 0.006 min  
 Lab File: BF131727.D  
 Acq: 20 Dec 2022 22:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FVSUB-TP8-COMP-08

Tgt Ion:244 Resp: 1602748  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 6.5 9.7  
 122 7.3 7.7 11.5#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.551 min Scan# 2289  
 Delta R.T. -0.006 min  
 Lab File: BF131727.D  
 Acq: 20 Dec 2022 22:45

Tgt Ion:264 Resp: 156202  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 18.6 28.0  
 265 22.2 17.4 26.2

