

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070823\  
 Data File : BF134161.D  
 Acq On : 08 Jul 2023 22:12  
 Operator : CG\JU  
 Sample : 03541-06  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 09 00:42:01 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 30 18:35:29 2023  
 Response via : Initial Calibration

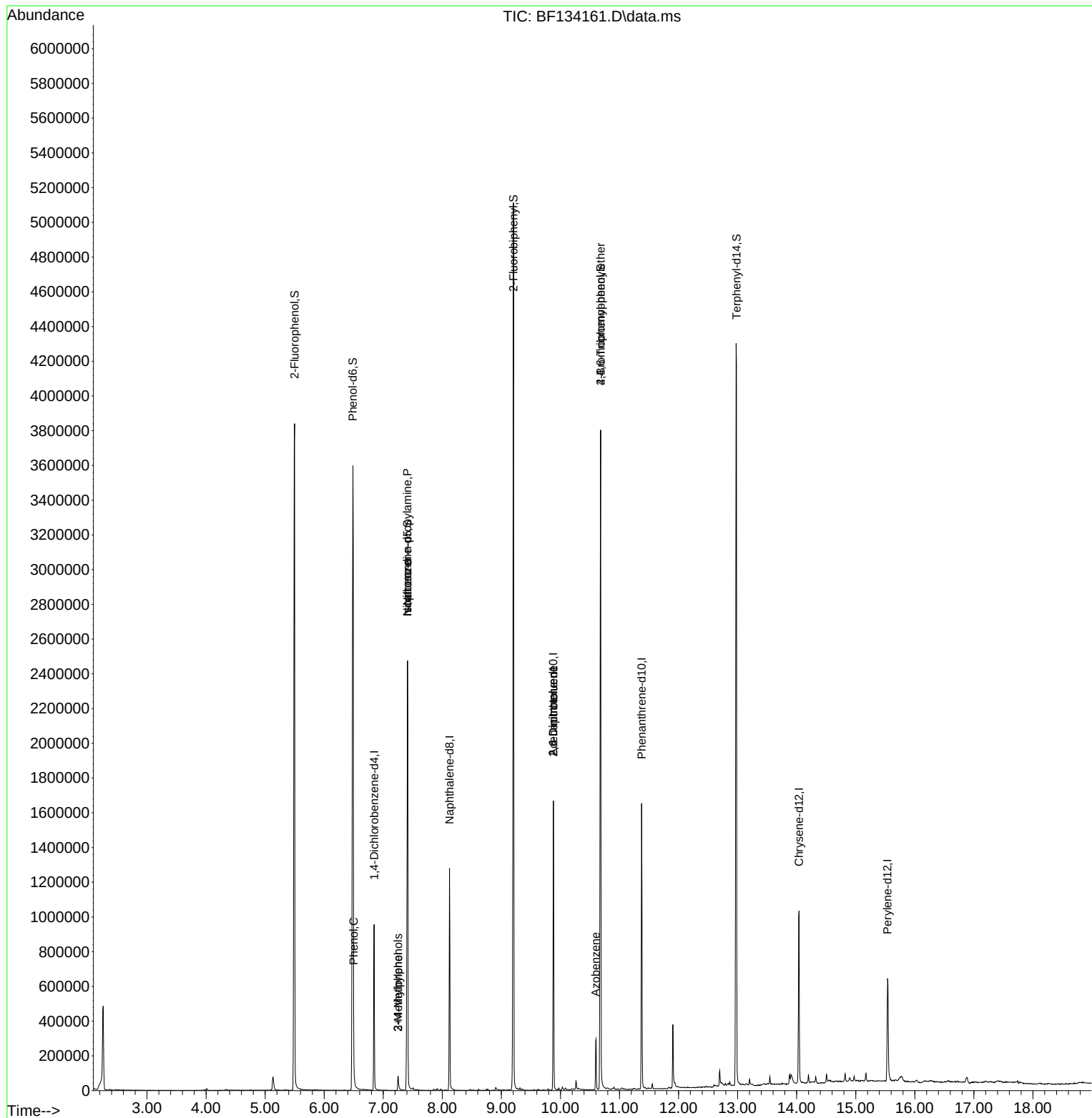
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.845  | 152  | 132405   | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 538166   | 20.000    | ng     | -0.01    |
| 39) Acenaphthene-d10          | 9.881  | 164  | 312109   | 20.000    | ng     | -0.01    |
| 64) Phenanthrene-d10          | 11.375 | 188  | 600277   | 20.000    | ng     | -0.01    |
| 76) Chrysene-d12              | 14.039 | 240  | 362029   | 20.000    | ng     | -0.01    |
| 86) Perylene-d12              | 15.539 | 264  | 311720   | 20.000    | ng     | -0.01    |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 1159790  | 146.525   | ng     | 0.01     |
| 7) Phenol-d6                  | 6.487  | 99   | 1468610  | 150.870   | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.410  | 82   | 875682   | 87.713    | ng     | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.680 | 330  | 519526   | 132.762   | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.204  | 172  | 1559340  | 72.639    | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 1787755  | 79.476    | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.493  | 77   | 3101     | Below Cal | #      | 1        |
| 10) Phenol                    | 6.498  | 94   | 25643    | 2.505     | ng     | 93       |
| 17) 2-Methylphenol            | 7.251  | 107  | 30619    | 4.255     | ng     | # 69     |
| 19) n-Nitroso-di-n-propyla... | 7.410  | 70   | 123800   | 20.055    | ng     | # 76     |
| 20) 3+4-Methylphenols         | 7.251  | 107  | 30619    | 3.508     | ng     | # 47     |
| 25) Isophorone                | 7.410  | 82   | 875669   | 48.261    | ng     | # 64     |
| 51) 2,6-Dinitrotoluene        | 9.881  | 165  | 40057    | 8.209     | ng     | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.881  | 165  | 40057    | 6.216     | ng     | # 22     |
| 63) Azobenzene                | 10.598 | 77   | 55691    | 2.494     | ng     | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.680 | 248  | 31557    | 4.946     | ng     | # 1      |
| -----                         |        |      |          |           |        |          |

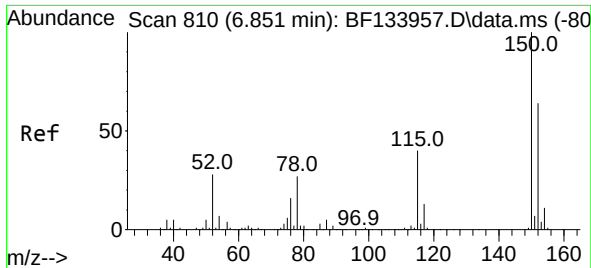
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId :

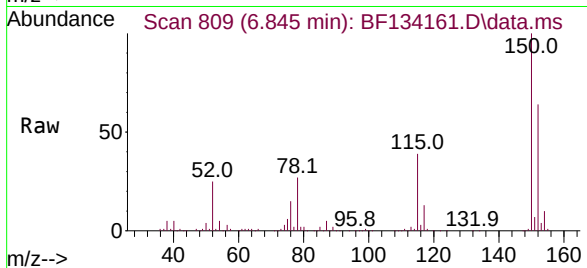
Quant Time: Jul 09 00:42:01 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 30 18:35:29 2023  
Response via : Initial Calibration



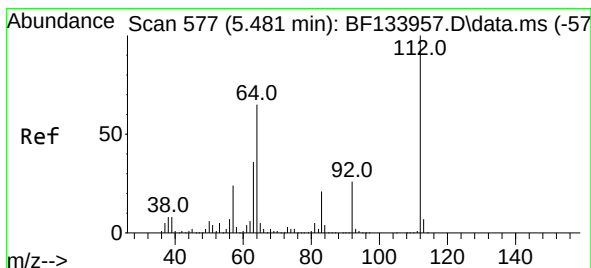
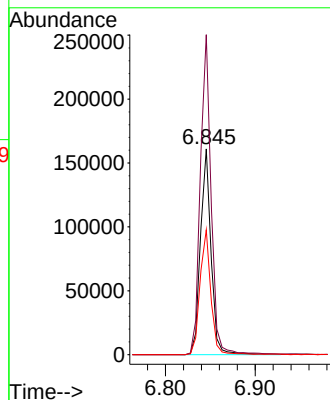
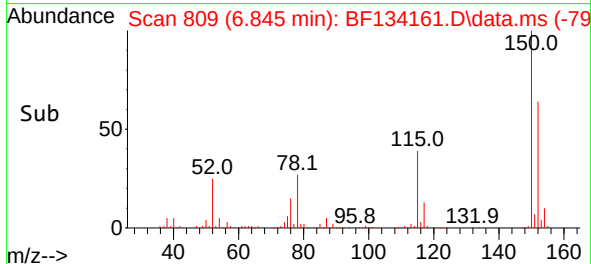


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.845 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF134161.D  
Acq: 08 Jul 2023 22:12

Instrument :  
BNA\_F  
ClientSampleId :

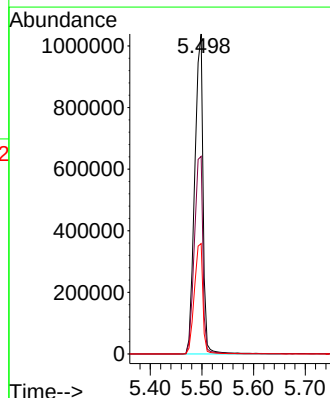
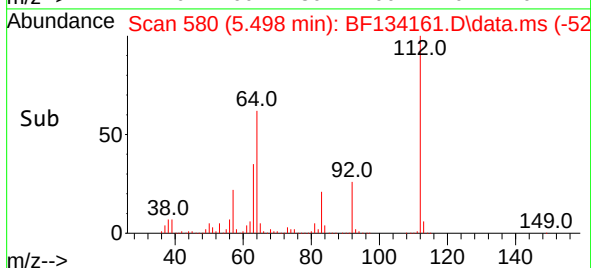
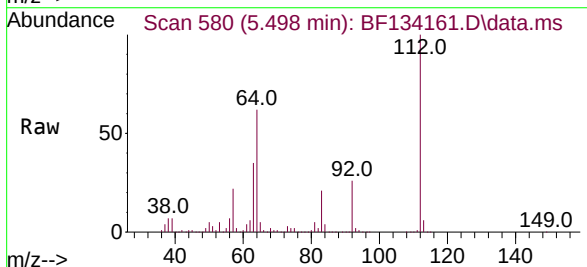


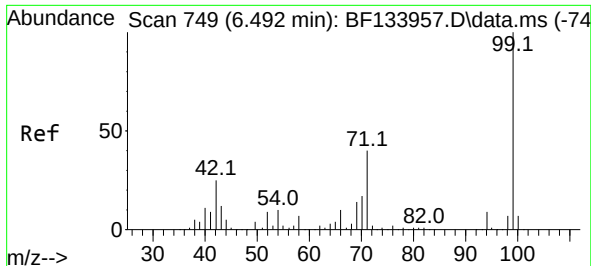
Tgt Ion:152 Resp: 132405  
Ion Ratio Lower Upper  
152 100  
150 155.5 124.5 186.7  
115 60.6 50.2 75.2



#5  
2-Fluorophenol  
Concen: 146.525 ng  
RT: 5.498 min Scan# 580  
Delta R.T. 0.012 min  
Lab File: BF134161.D  
Acq: 08 Jul 2023 22:12

Tgt Ion:112 Resp: 1159790  
Ion Ratio Lower Upper  
112 100  
64 61.7 52.1 78.1  
63 34.5 28.6 42.8





#7

Phenol-d6

Concen: 150.870 ng

RT: 6.487 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF134161.D

Acq: 08 Jul 2023 22:12

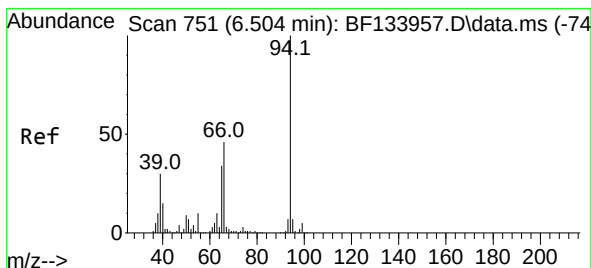
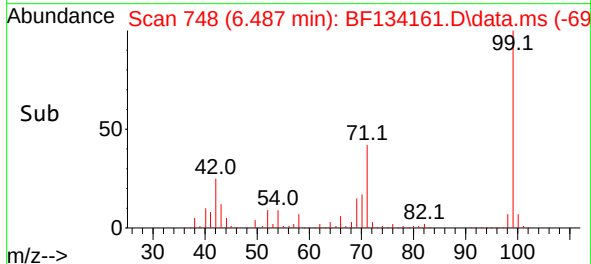
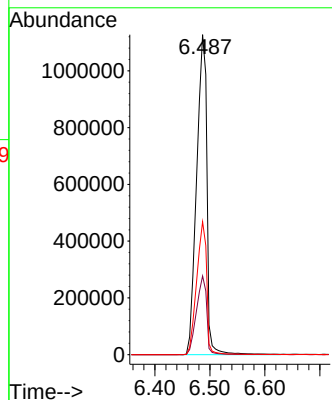
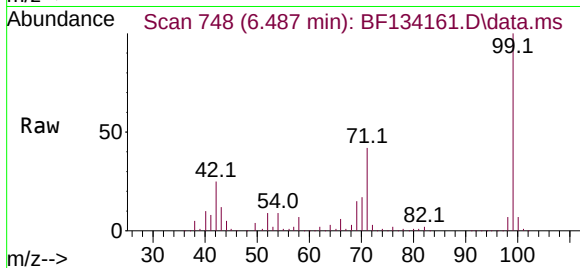
Instrument :

BNA\_F

ClientSampleId :

Tgt Ion: 99 Resp: 1468610

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 24.6  | 19.8  | 29.6  |
| 71  | 41.5  | 31.9  | 47.9  |



#10

Phenol

Concen: 2.505 ng

RT: 6.498 min Scan# 750

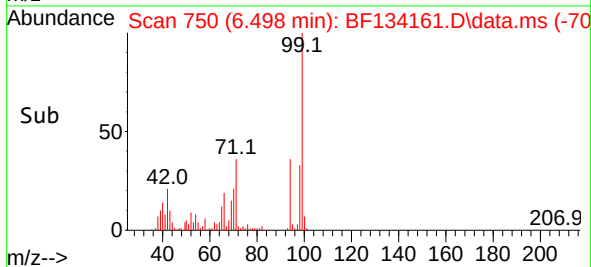
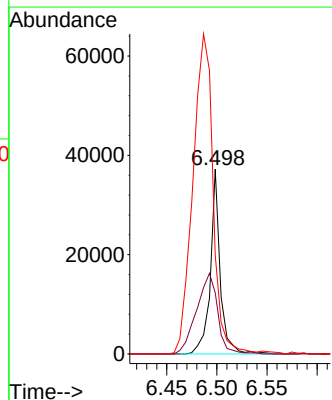
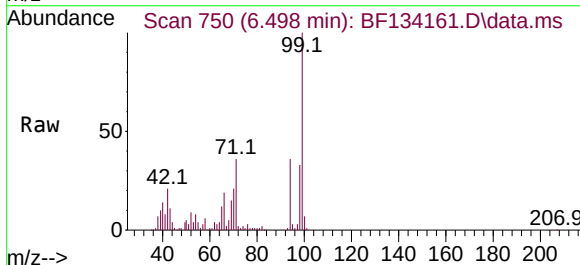
Delta R.T. -0.012 min

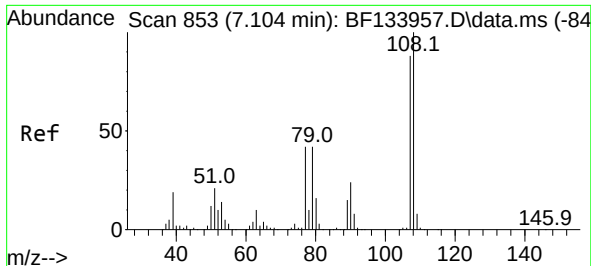
Lab File: BF134161.D

Acq: 08 Jul 2023 22:12

Tgt Ion: 94 Resp: 25643

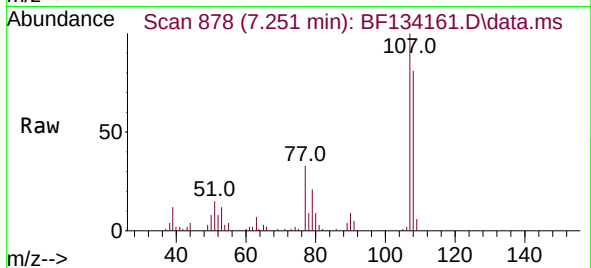
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 33.1  | 14.2  | 54.2  |
| 66  | 53.4  | 26.4  | 66.4  |



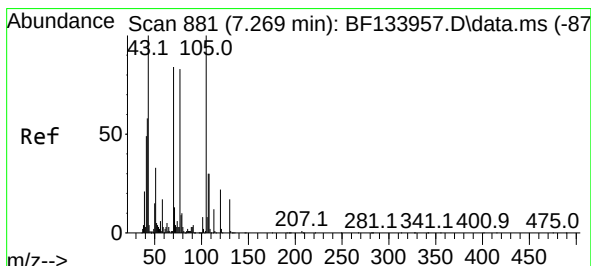
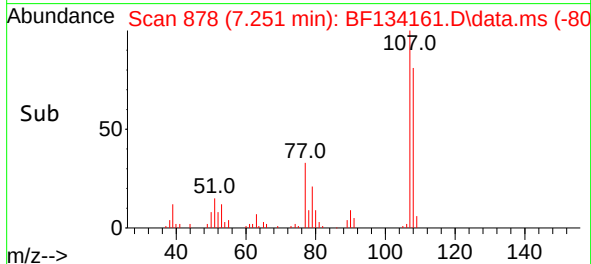
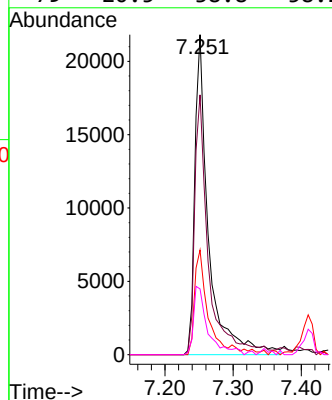


#17  
2-Methylphenol  
Concen: 4.255 ng  
RT: 7.251 min Scan# 81  
Delta R.T. 0.141 min  
Lab File: BF134161.D  
Acq: 08 Jul 2023 22:12

Instrument :  
BNA\_F  
ClientSampleId :

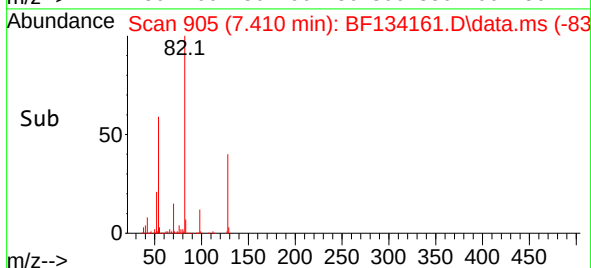
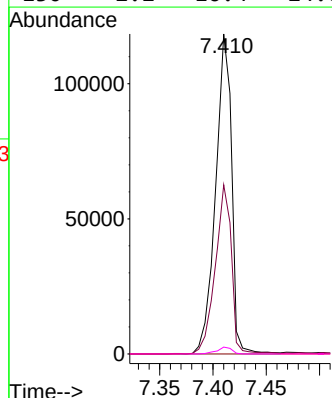
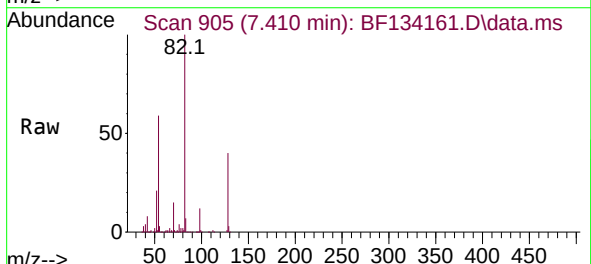


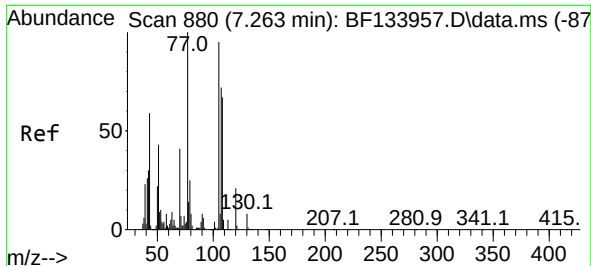
Tgt Ion:107 Resp: 30619  
Ion Ratio Lower Upper  
107 100  
108 81.2 90.6 136.0#  
77 32.7 38.3 57.5#  
79 20.5 38.8 58.2#



#19  
n-Nitroso-di-n-propylamine  
Concen: 20.055 ng  
RT: 7.410 min Scan# 905  
Delta R.T. 0.141 min  
Lab File: BF134161.D  
Acq: 08 Jul 2023 22:12

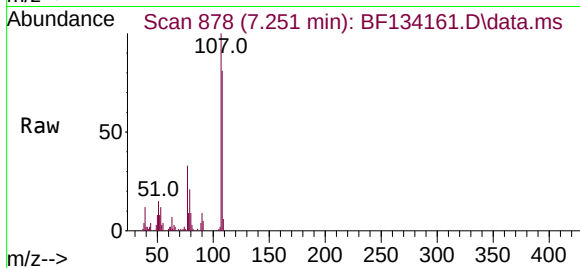
Tgt Ion: 70 Resp: 123800  
Ion Ratio Lower Upper  
70 100  
42 52.9 54.7 82.1#  
101 0.0 7.7 11.5#  
130 2.2 16.4 24.6#



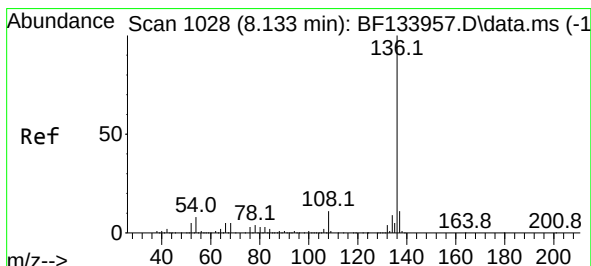
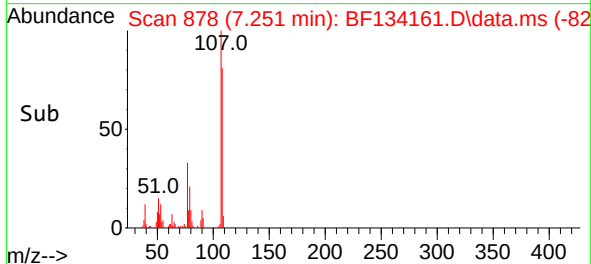
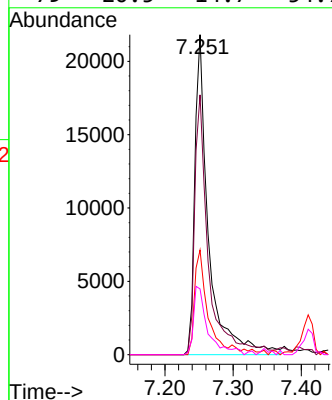


#20  
3+4-Methylphenols  
Concen: 3.508 ng  
RT: 7.251 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF134161.D  
Acq: 08 Jul 2023 22:12

Instrument :  
BNA\_F  
ClientSampleId :

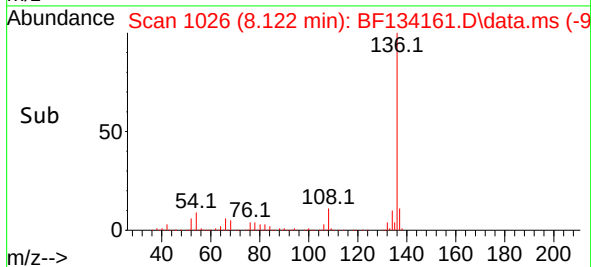
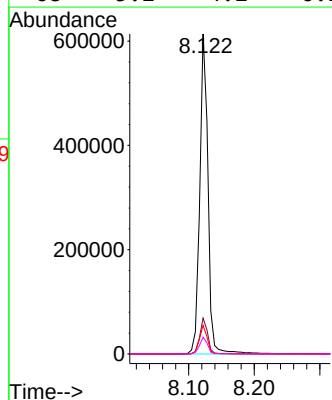
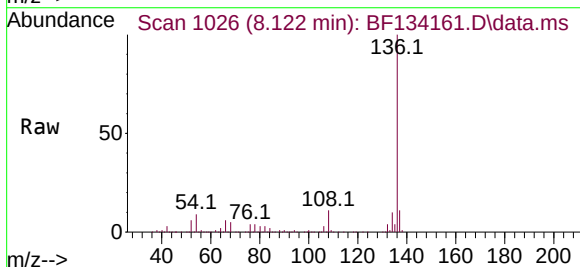


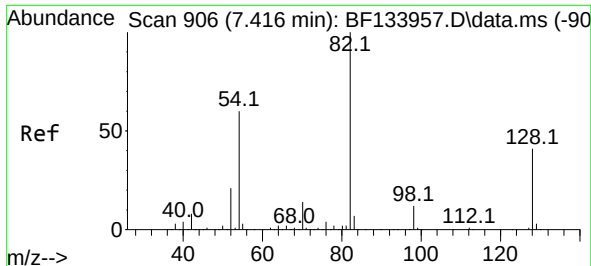
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 30619  |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 81.2  | 73.2  | 113.2  |
| 77       | 32.7  | 118.3 | 158.3# |
| 79       | 20.5  | 14.7  | 54.7   |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.122 min Scan# 1026  
Delta R.T. -0.012 min  
Lab File: BF134161.D  
Acq: 08 Jul 2023 22:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 538166 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 8.6   | 12.8   |
| 54       | 8.9   | 6.5   | 9.7    |
| 68       | 5.2   | 4.2   | 6.2    |





#23

Nitrobenzene-d5

Concen: 87.713 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF134161.D

Acq: 08 Jul 2023 22:12

Instrument :

BNA\_F

ClientSampleId :

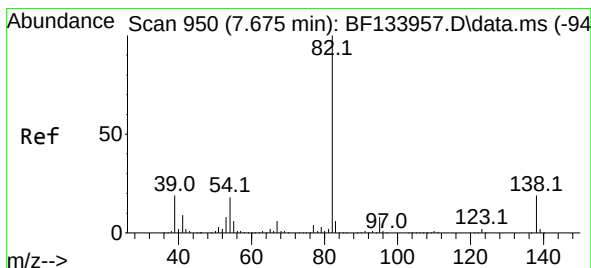
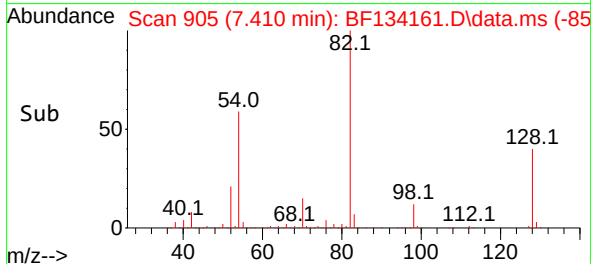
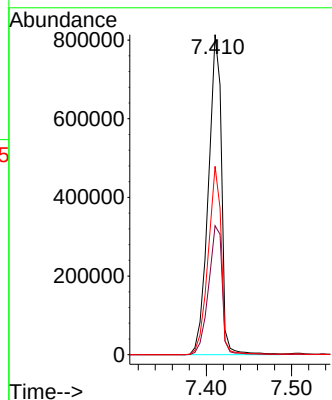
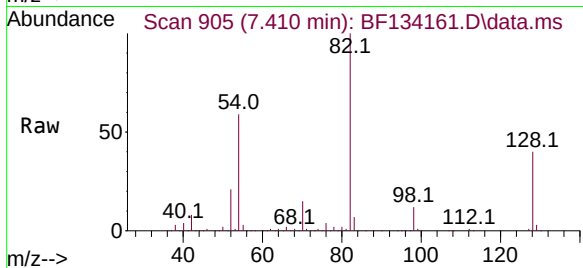
Tgt Ion: 82 Resp: 875682

Ion Ratio Lower Upper

82 100

128 40.3 32.5 48.7

54 58.8 48.2 72.2



#25

Isophorone

Concen: 48.261 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.265 min

Lab File: BF134161.D

Acq: 08 Jul 2023 22:12

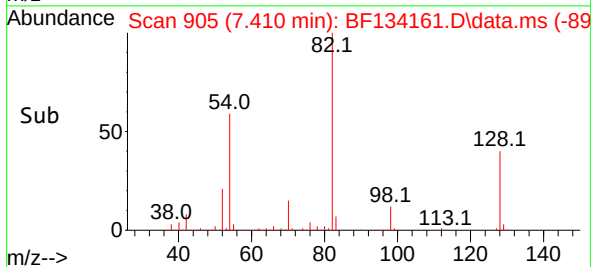
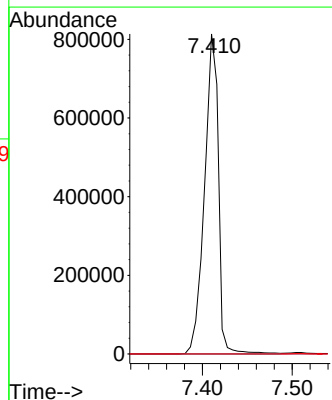
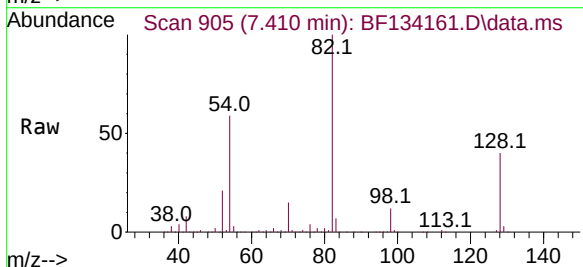
Tgt Ion: 82 Resp: 875669

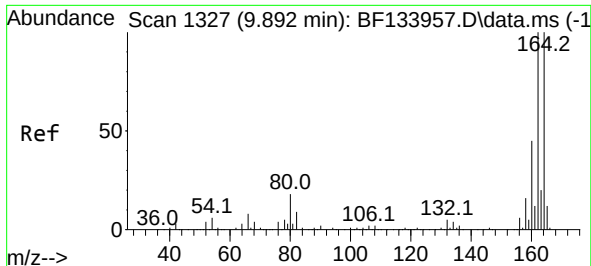
Ion Ratio Lower Upper

82 100

95 0.0 6.1 9.1#

138 0.0 15.2 22.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.881 min Scan# 1

Delta R.T. -0.012 min

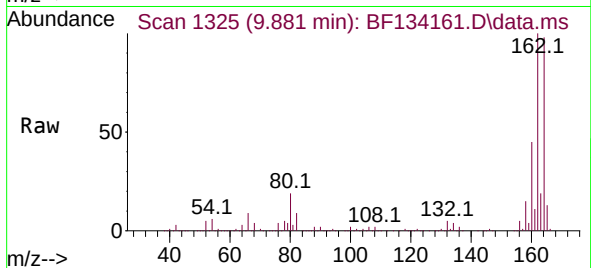
Lab File: BF134161.D

Acq: 08 Jul 2023 22:12

Instrument :

BNA\_F

ClientSampleId :



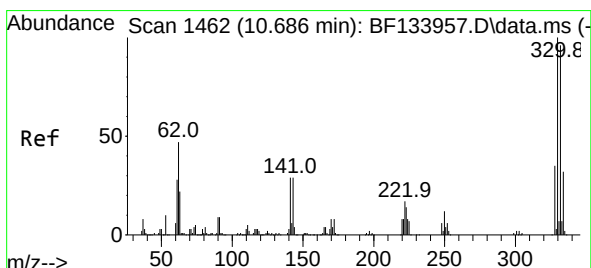
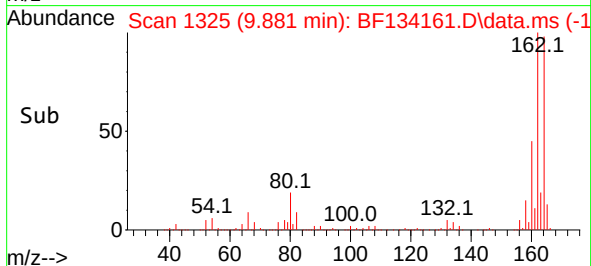
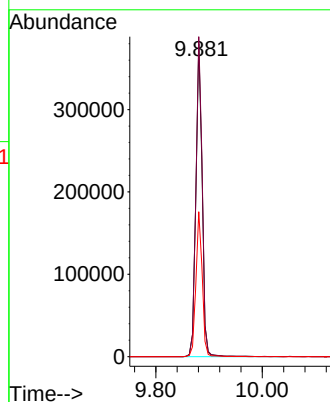
Tgt Ion:164 Resp: 312109

Ion Ratio Lower Upper

164 100

162 102.2 80.0 120.0

160 46.3 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 132.762 ng

RT: 10.680 min Scan# 1461

Delta R.T. -0.006 min

Lab File: BF134161.D

Acq: 08 Jul 2023 22:12

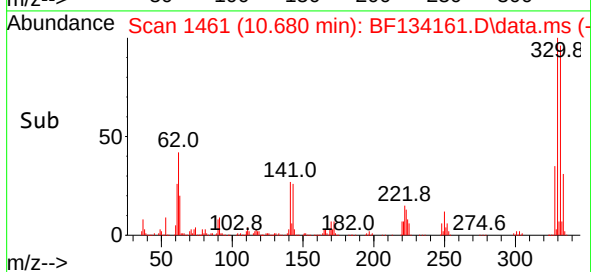
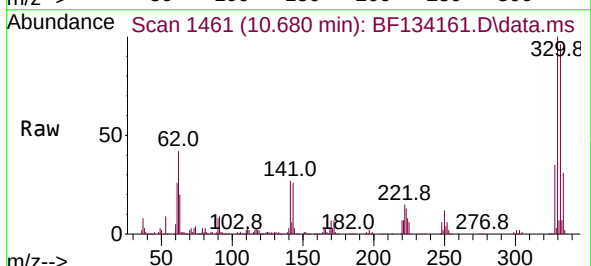
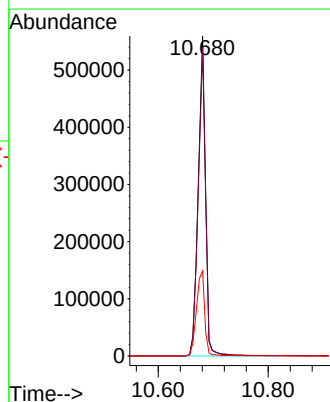
Tgt Ion:330 Resp: 519526

Ion Ratio Lower Upper

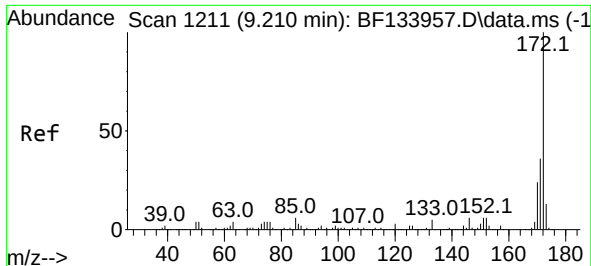
330 100

332 96.3 77.0 115.6

141 30.1 26.3 39.5







#45

2-Fluorobiphenyl

Concen: 72.639 ng

RT: 9.204 min Scan# 1

Delta R.T. -0.006 min

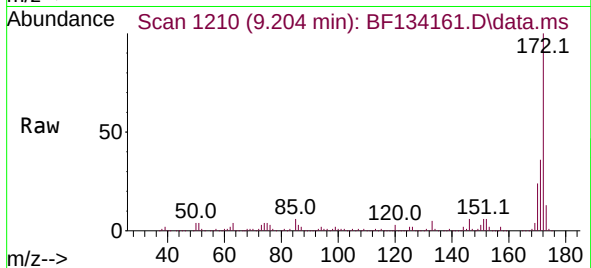
Lab File: BF134161.D

Acq: 08 Jul 2023 22:12

Instrument :

BNA\_F

ClientSampleId :



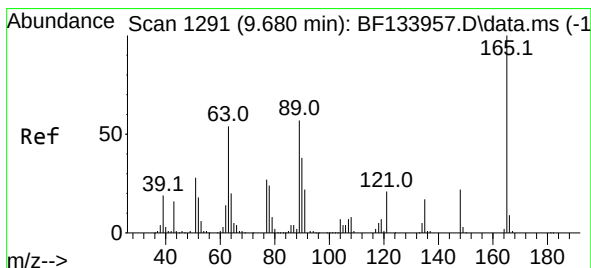
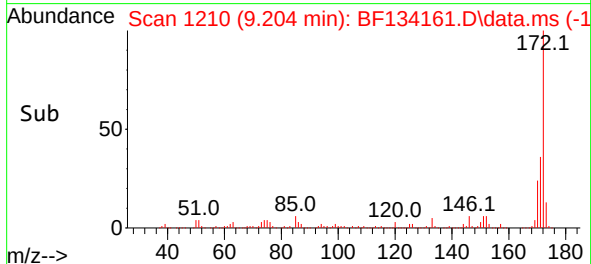
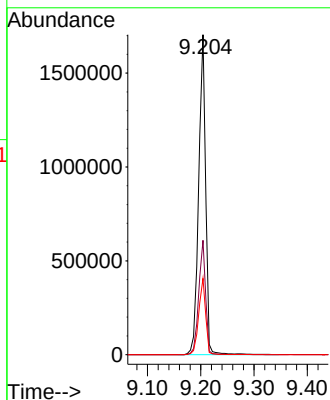
Tgt Ion:172 Resp: 1559340

Ion Ratio Lower Upper

172 100

171 35.7 28.6 43.0

170 23.8 19.4 29.0



#51

2,6-Dinitrotoluene

Concen: 8.209 ng

RT: 9.881 min Scan# 1325

Delta R.T. 0.200 min

Lab File: BF134161.D

Acq: 08 Jul 2023 22:12

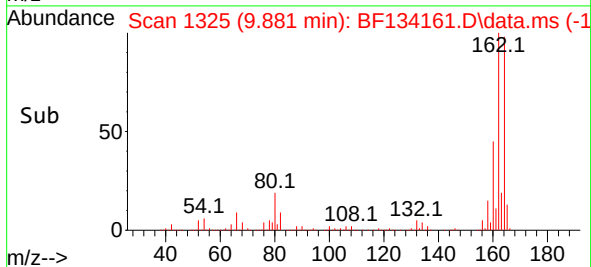
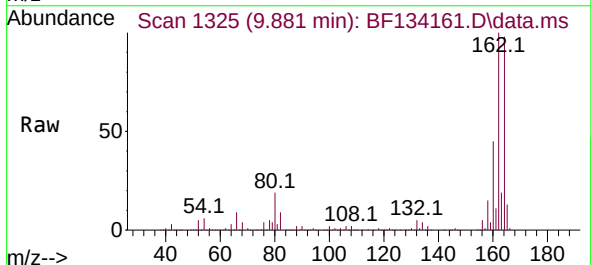
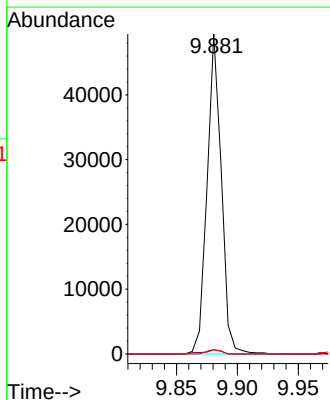
Tgt Ion:165 Resp: 40057

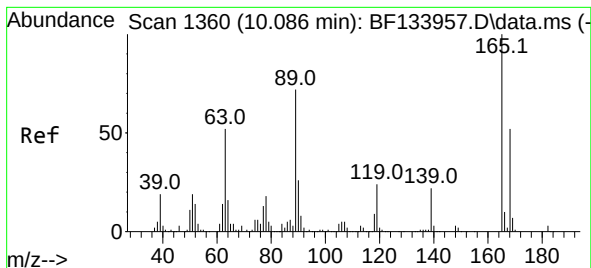
Ion Ratio Lower Upper

165 100

63 1.3 48.5 72.7#

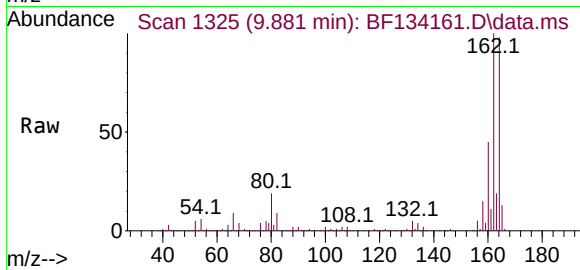
89 1.4 45.5 68.3#



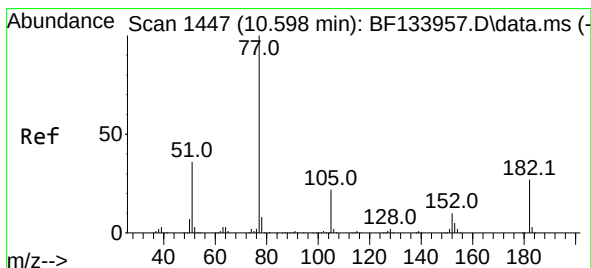
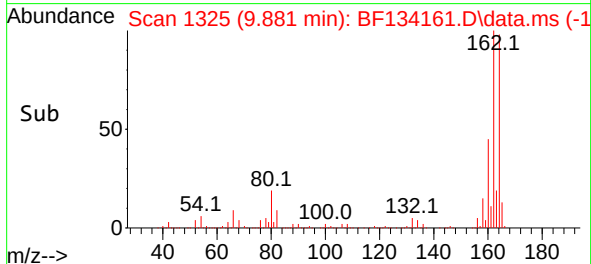
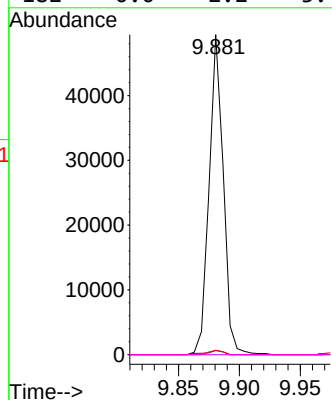


#57  
2,4-Dinitrotoluene  
Concen: 6.216 ng  
RT: 9.881 min Scan# 1360  
Delta R.T. -0.206 min  
Lab File: BF134161.D  
Acq: 08 Jul 2023 22:12

Instrument :  
BNA\_F  
ClientSampleId :

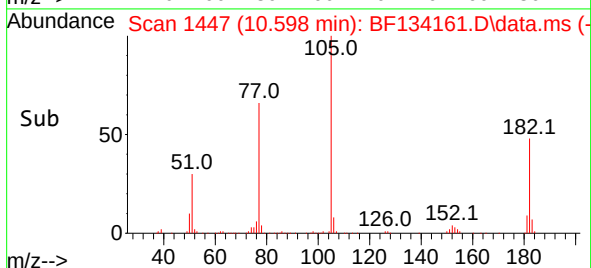
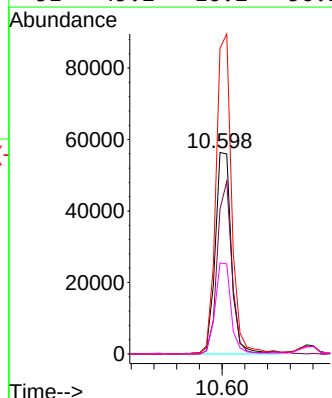
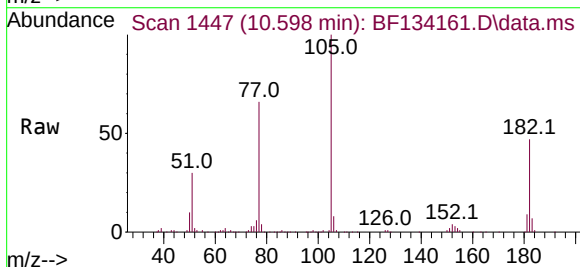


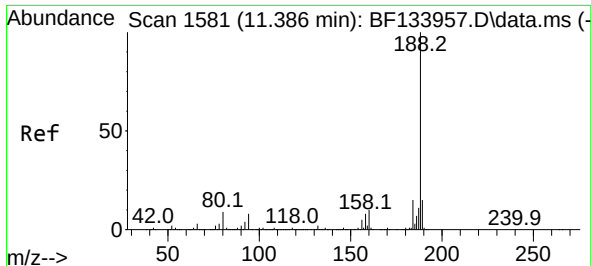
Tgt Ion:165 Resp: 40057  
Ion Ratio Lower Upper  
165 100  
63 1.3 42.2 63.2#  
89 1.4 57.4 86.2#  
182 0.0 2.2 3.4#



#63  
Azobenzene  
Concen: 2.494 ng  
RT: 10.598 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: BF134161.D  
Acq: 08 Jul 2023 22:12

Tgt Ion: 77 Resp: 55691  
Ion Ratio Lower Upper  
77 100  
182 72.0 6.8 46.8#  
105 151.8 2.3 42.3#  
51 45.2 16.2 56.2

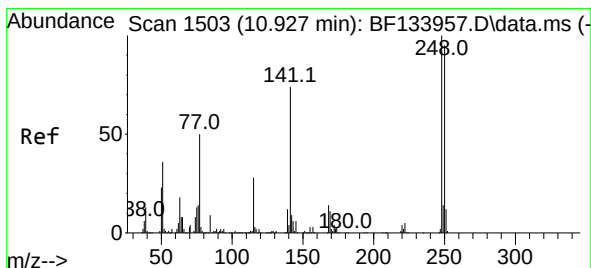
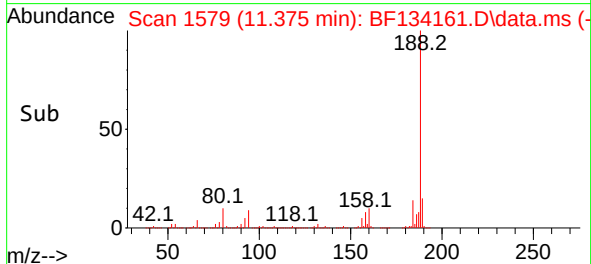
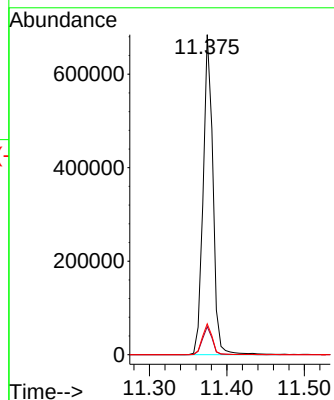
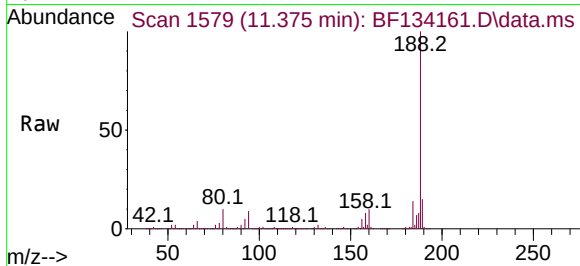




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.375 min Scan# 1  
Delta R.T. -0.012 min  
Lab File: BF134161.D  
Acq: 08 Jul 2023 22:12

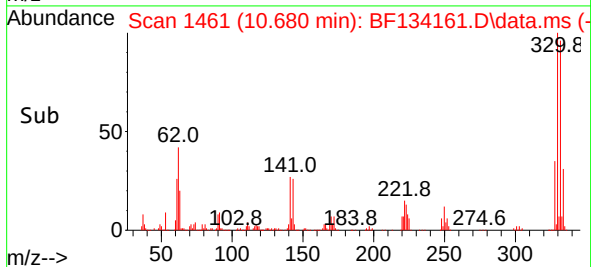
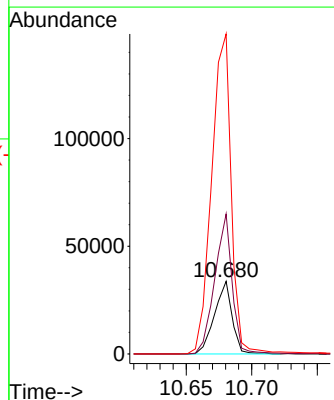
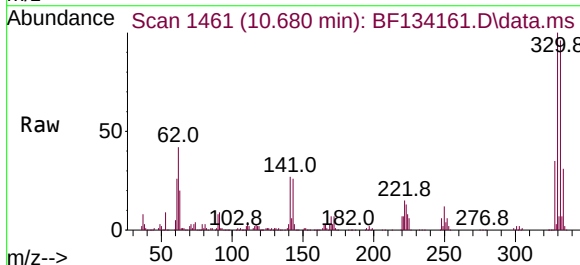
Instrument :  
BNA\_F  
ClientSampleId :

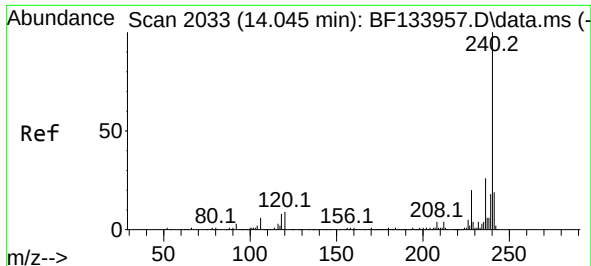
Tgt Ion:188 Resp: 600277  
Ion Ratio Lower Upper  
188 100  
94 8.7 6.4 9.6  
80 9.6 7.3 10.9



#67  
4-Bromophenyl-phenylether  
Concen: 4.946 ng  
RT: 10.680 min Scan# 1461  
Delta R.T. -0.247 min  
Lab File: BF134161.D  
Acq: 08 Jul 2023 22:12

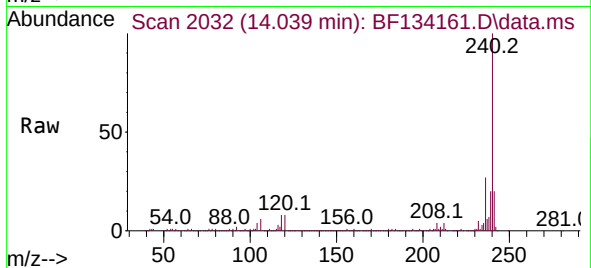
Tgt Ion:248 Resp: 31557  
Ion Ratio Lower Upper  
248 100  
250 192.8 76.2 114.4#  
141 440.7 59.0 88.4#



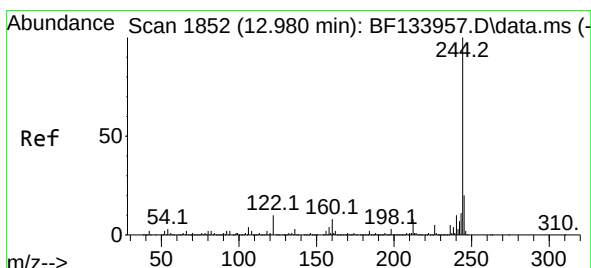
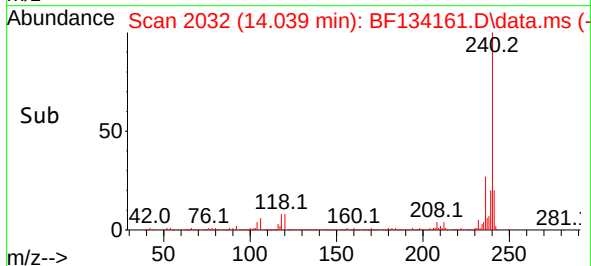
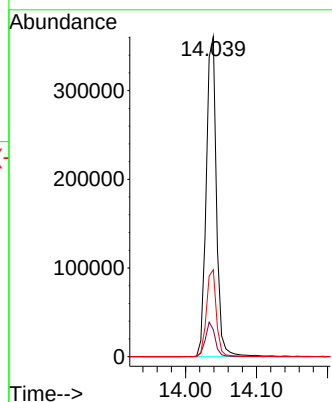


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 2033  
Delta R.T. -0.012 min  
Lab File: BF134161.D  
Acq: 08 Jul 2023 22:12

Instrument :  
BNA\_F  
ClientSampleId :

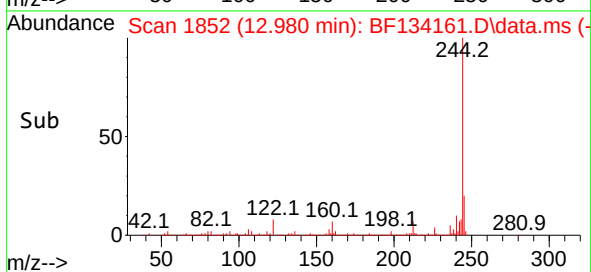
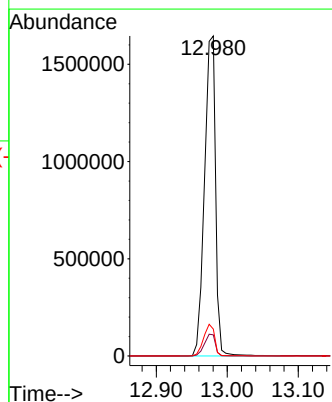
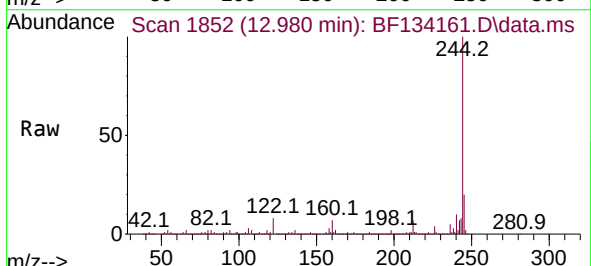


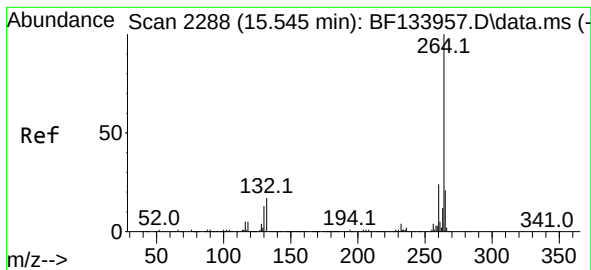
Tgt Ion:240 Resp: 362029  
Ion Ratio Lower Upper  
240 100  
120 8.5 7.4 11.0  
236 27.2 21.0 31.6



#79  
Terphenyl-d14  
Concen: 79.476 ng  
RT: 12.980 min Scan# 1852  
Delta R.T. -0.006 min  
Lab File: BF134161.D  
Acq: 08 Jul 2023 22:12

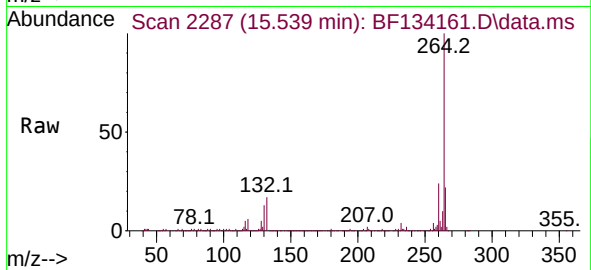
Tgt Ion:244 Resp: 1787755  
Ion Ratio Lower Upper  
244 100  
212 6.6 6.0 9.0  
122 8.4 8.3 12.5





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.539 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF134161.D  
Acq: 08 Jul 2023 22:12

Instrument :  
BNA\_F  
ClientSampleId :



Tgt Ion:264 Resp: 311720  
Ion Ratio Lower Upper  
264 100  
260 24.0 19.5 29.3  
265 21.7 16.6 25.0

