

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060623\  
 Data File : BF133609.D  
 Acq On : 07 Jun 2023 02:09  
 Operator : CG\JU  
 Sample : 03016-05  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC29

Quant Time: Jun 07 04:29:22 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 06 14:05:12 2023  
 Response via : Initial Calibration

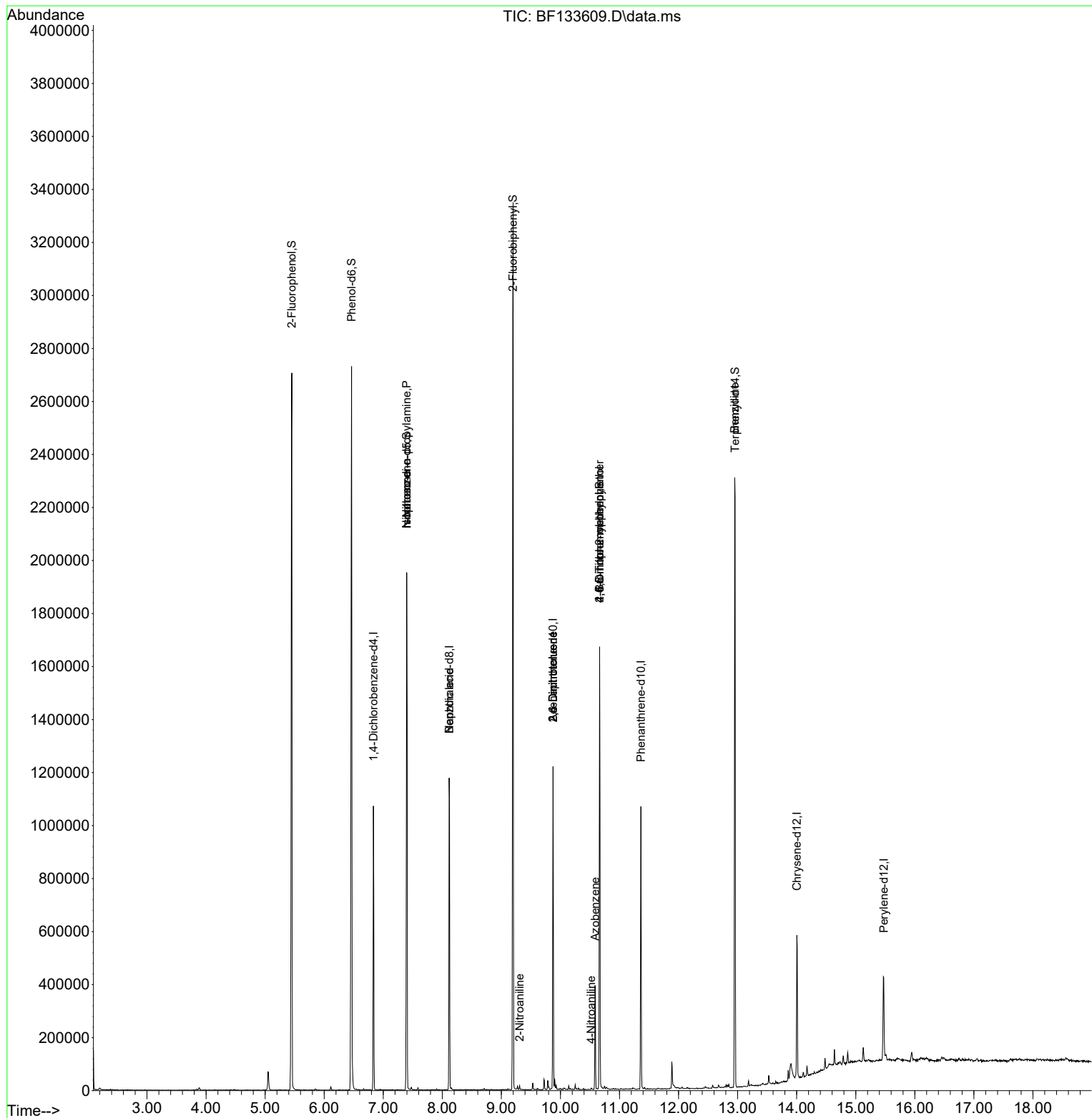
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.834  | 152  | 142054   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.116  | 136  | 506097   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.875  | 164  | 209476   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.363 | 188  | 344516   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 14.004 | 240  | 181803   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 15.474 | 264  | 156930   | 20.000    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.451  | 112  | 773609   | 90.862    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.463  | 99   | 934646   | 89.176    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.398  | 82   | 577092   | 76.135    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.663 | 330  | 192236   | 92.063    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.198  | 172  | 1005069  | 74.054    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.957 | 244  | 837350   | 81.891    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.387  | 77   | 162      | Below Cal | #     | 36       |
| 19) n-Nitroso-di-n-propyla... | 7.398  | 70   | 79852    | 11.775    | ng    | # 75     |
| 25) Isophorone                | 7.398  | 82   | 577080   | 32.667    | ng    | # 65     |
| 32) Benzoic acid              | 8.116  | 122  | 71       | 7.361     | ng    | # 1      |
| 48) 2-Nitroaniline            | 9.310  | 65   | 74       | 4.008     | ng    | # 14     |
| 51) 2,6-Dinitrotoluene        | 9.875  | 165  | 26519    | 12.429    | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.875  | 165  | 26519    | 11.624    | ng    | # 15     |
| 62) 4-Nitroaniline            | 10.522 | 138  | 250      | 3.051     | ng    | # 19     |
| 63) Azobenzene                | 10.586 | 77   | 65599    | 4.288     | ng    | # 1      |
| 65) 4,6-Dinitro-2-methylph... | 10.663 | 198  | 284      | 8.877     | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.663 | 248  | 11254    | 3.076     | ng    | # 1      |
| 77) Benzidine                 | 12.951 | 184  | 11305    | 2.126     | ng    | # 89     |
| -----                         |        |      |          |           |       |          |

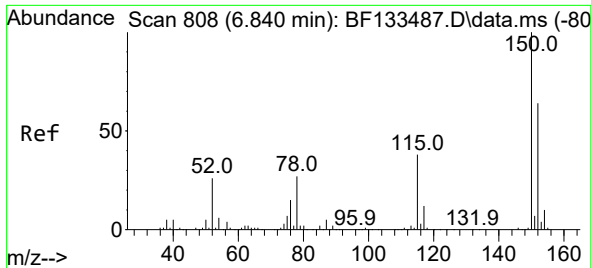
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 23 Sample Multiplier: 1

Instrument :  
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QLast Update : Tue Jun 06 14:05:12 2023  
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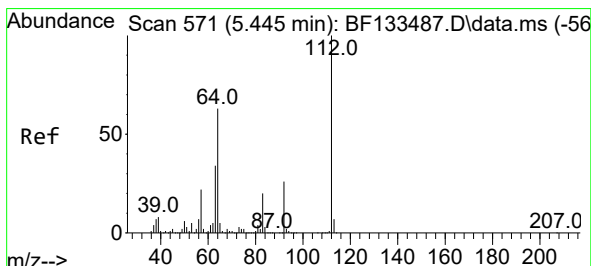
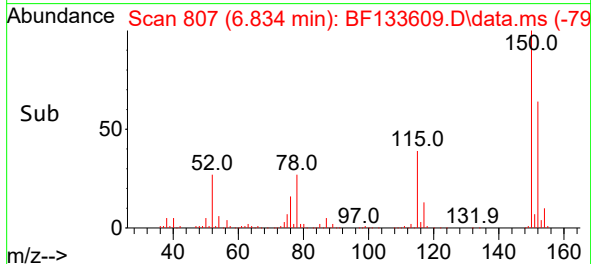
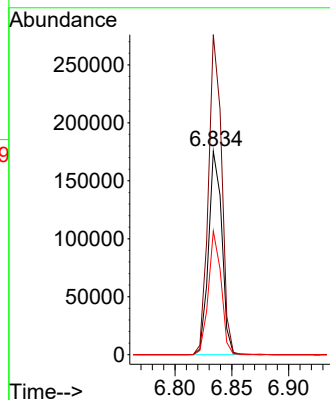
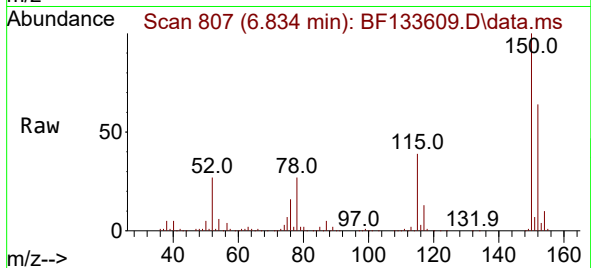




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.834 min Scan# 808  
Delta R.T. -0.000 min  
Lab File: BF133609.D  
Acq: 07 Jun 2023 02:09

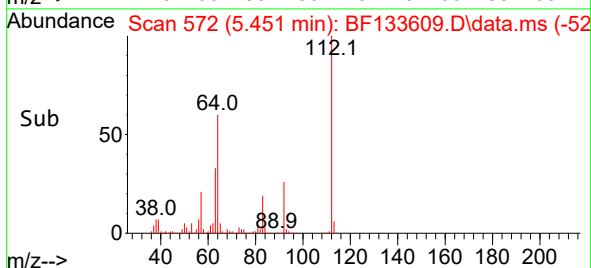
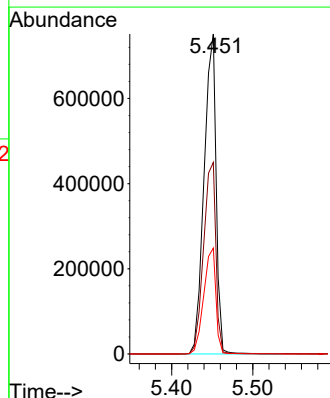
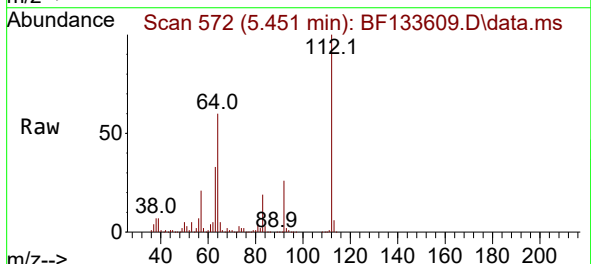
Instrument :  
BNA\_F  
ClientSampleId :  
WC29

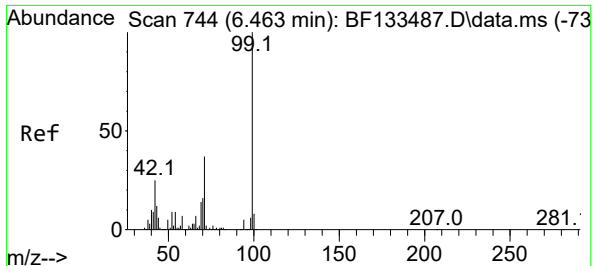
Tgt Ion:152 Resp: 142054  
Ion Ratio Lower Upper  
152 100  
150 157.2 124.9 187.3  
115 60.8 48.1 72.1



#5  
2-Fluorophenol  
Concen: 90.862 ng  
RT: 5.451 min Scan# 572  
Delta R.T. 0.006 min  
Lab File: BF133609.D  
Acq: 07 Jun 2023 02:09

Tgt Ion:112 Resp: 773609  
Ion Ratio Lower Upper  
112 100  
64 59.9 50.1 75.1  
63 33.1 27.5 41.3

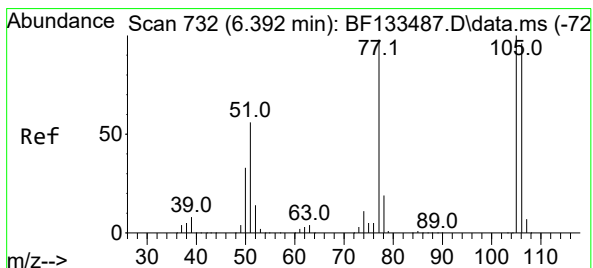
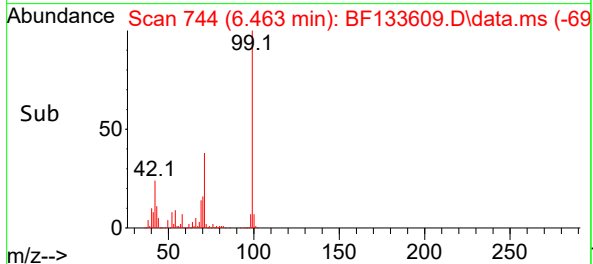
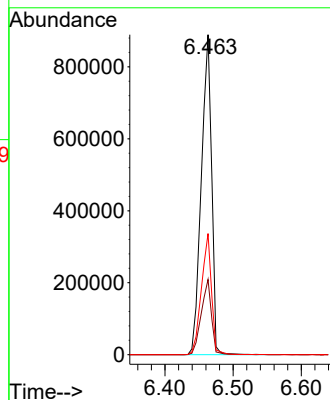
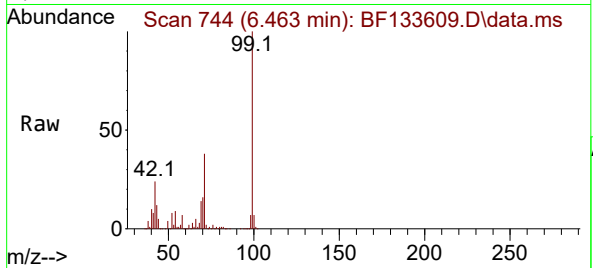




#7  
Phenol-d6  
Concen: 89.176 ng  
RT: 6.463 min Scan# 744  
Delta R.T. 0.000 min  
Lab File: BF133609.D  
Acq: 07 Jun 2023 02:09

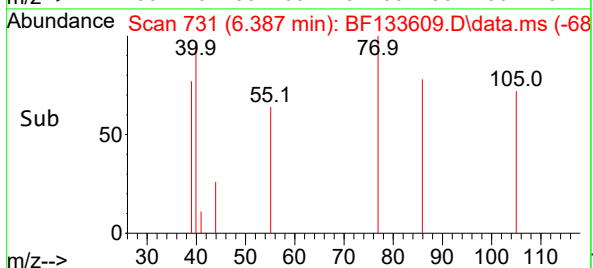
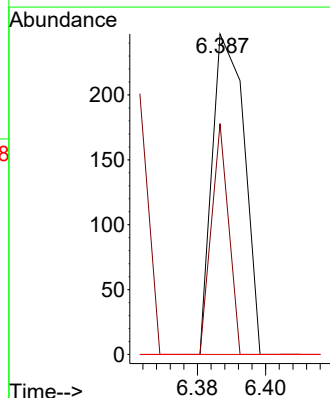
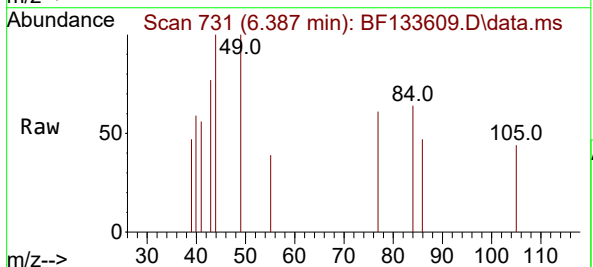
Instrument :  
BNA\_F  
ClientSampleId :  
WC29

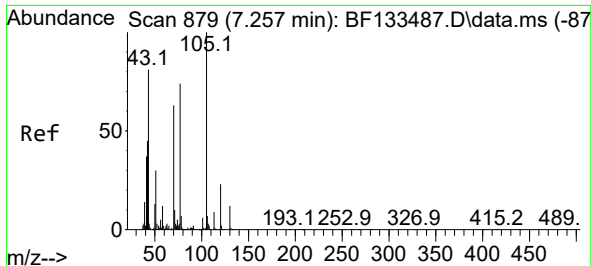
Tgt Ion: 99 Resp: 934646  
Ion Ratio Lower Upper  
99 100  
42 23.5 19.7 29.5  
71 37.8 29.8 44.8



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.387 min Scan# 731  
Delta R.T. 0.000 min  
Lab File: BF133609.D  
Acq: 07 Jun 2023 02:09

Tgt Ion: 77 Resp: 162  
Ion Ratio Lower Upper  
77 100  
105 72.1 81.9 121.9#  
106 0.0 77.8 117.8#

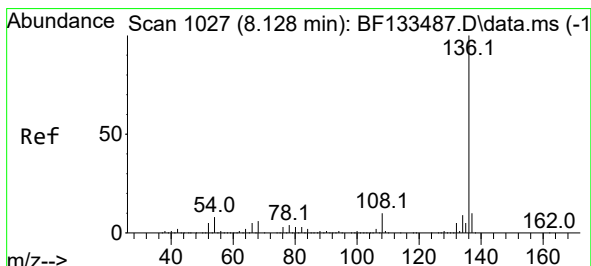
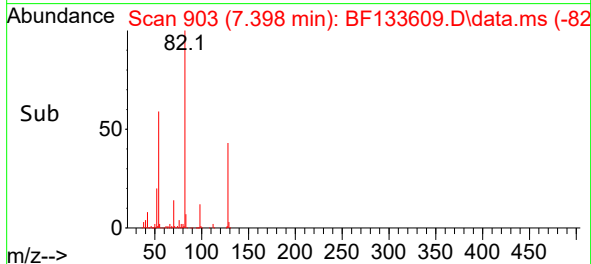
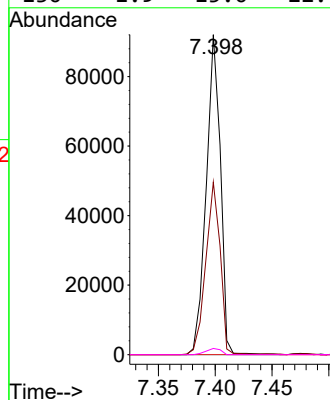
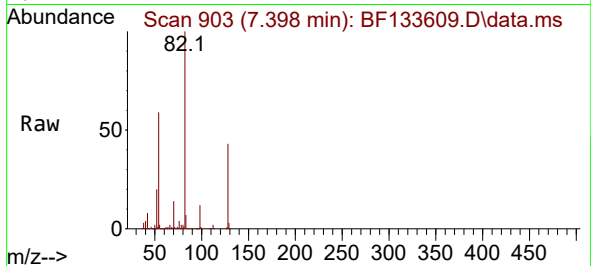




#19  
n-Nitroso-di-n-propylamine  
Concen: 11.775 ng  
RT: 7.398 min Scan# 90  
Delta R.T. 0.147 min  
Lab File: BF133609.D  
Acq: 07 Jun 2023 02:09

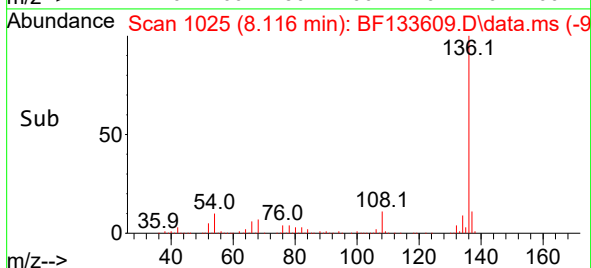
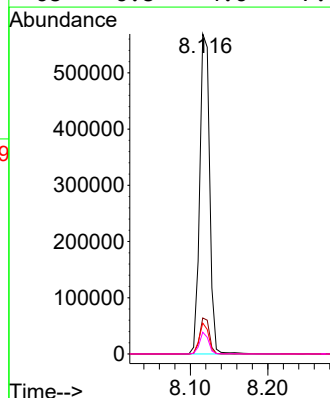
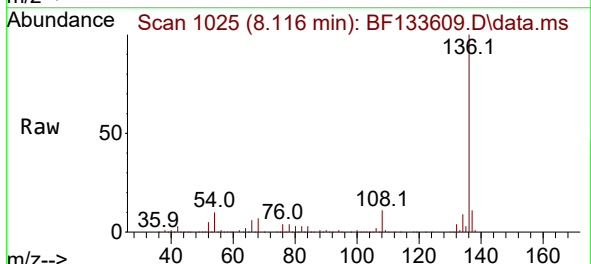
Instrument :  
BNA\_F  
ClientSampleId :  
WC29

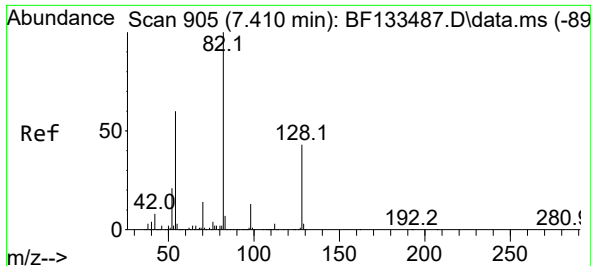
|             |                 |
|-------------|-----------------|
| Tgt Ion: 70 | Resp: 79852     |
| Ion Ratio   | Lower Upper     |
| 70          | 100             |
| 42          | 53.9 57.2 85.8# |
| 101         | 0.0 7.3 10.9#   |
| 130         | 1.9 15.0 22.4#  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.116 min Scan# 1025  
Delta R.T. -0.006 min  
Lab File: BF133609.D  
Acq: 07 Jun 2023 02:09

|              |               |
|--------------|---------------|
| Tgt Ion: 136 | Resp: 506097  |
| Ion Ratio    | Lower Upper   |
| 136          | 100           |
| 137          | 11.2 8.2 12.4 |
| 54           | 9.7 6.6 10.0  |
| 68           | 6.8 4.6 7.0   |





#23

Nitrobenzene-d5

Concen: 76.135 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133609.D

Acq: 07 Jun 2023 02:09

Instrument :

BNA\_F

ClientSampleId :

WC29

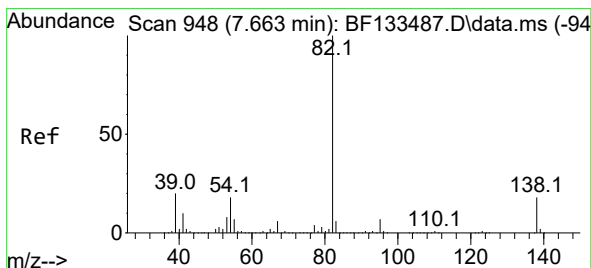
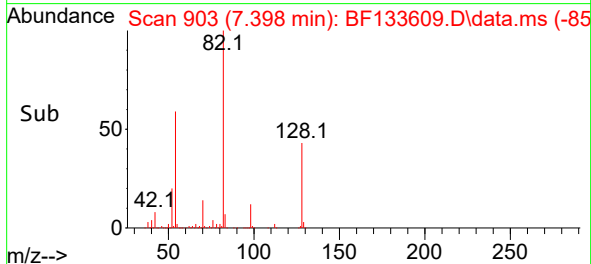
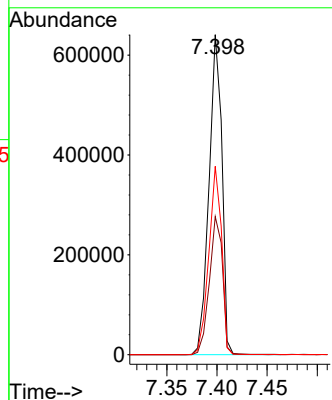
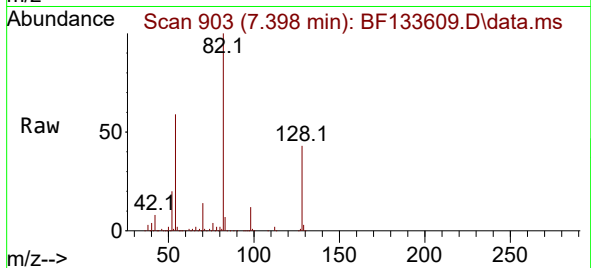
Tgt Ion: 82 Resp: 577092

Ion Ratio Lower Upper

82 100

128 43.1 34.2 51.4

54 58.8 48.2 72.4



#25

Isophorone

Concen: 32.667 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133609.D

Acq: 07 Jun 2023 02:09

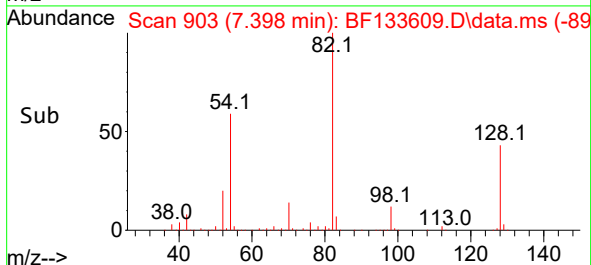
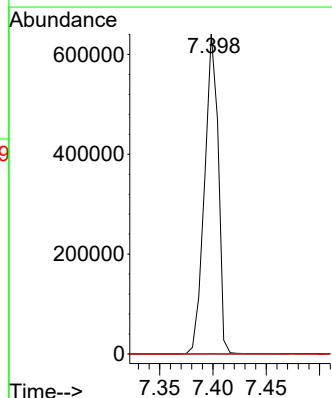
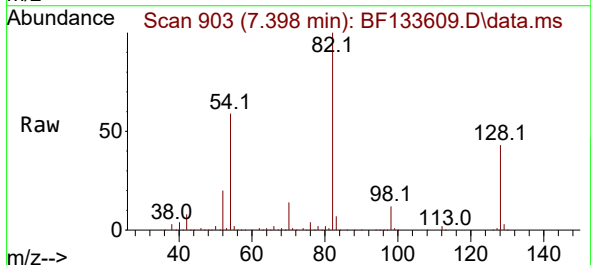
Tgt Ion: 82 Resp: 577080

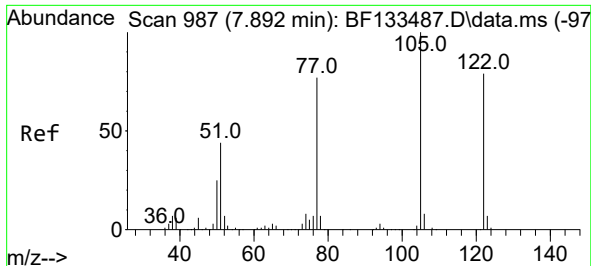
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

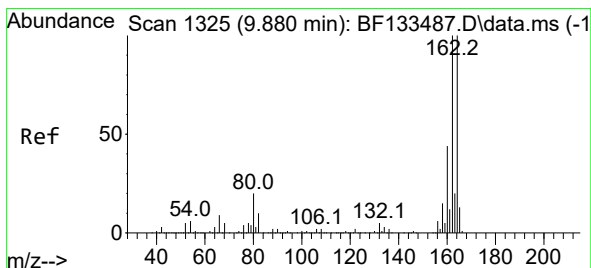
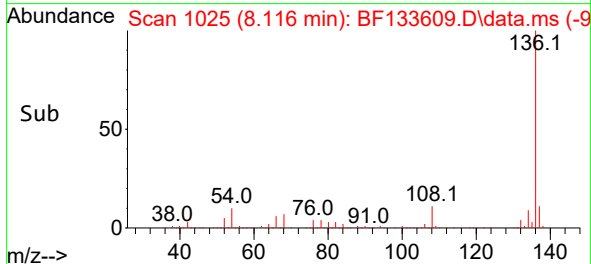
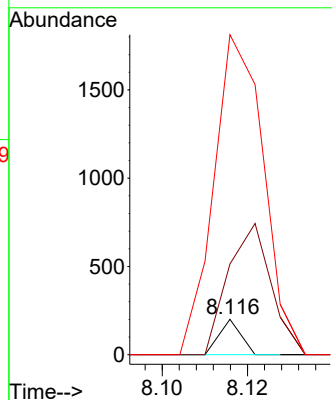
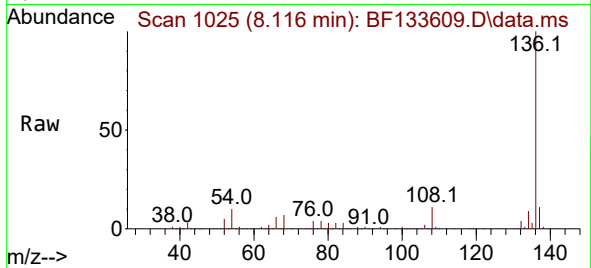




#32  
Benzoic acid  
Concen: 7.361 ng  
RT: 8.116 min Scan# 1025  
Delta R.T. 0.230 min  
Lab File: BF133609.D  
Acq: 07 Jun 2023 02:09

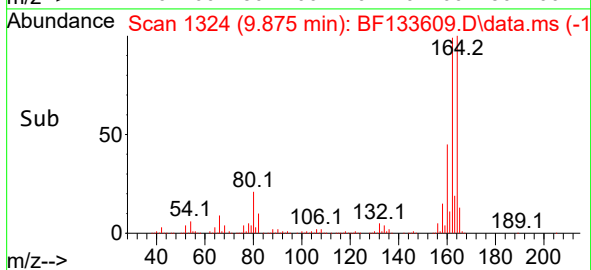
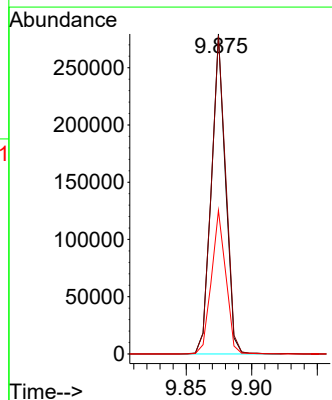
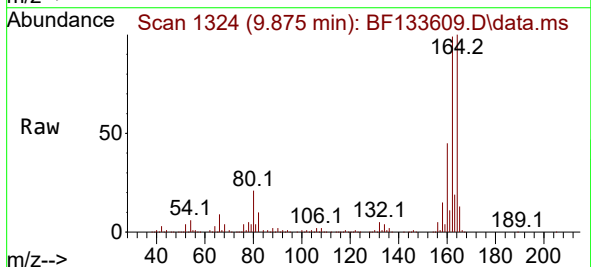
Instrument :  
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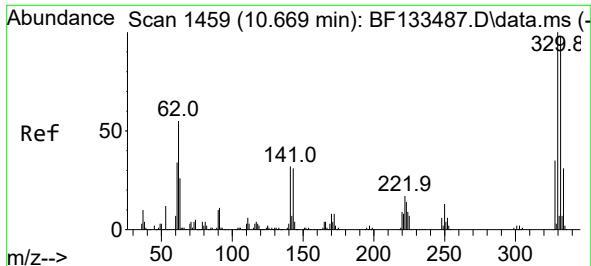
Tgt Ion:122 Resp: 71  
Ion Ratio Lower Upper  
122 100  
105 255.7 103.3 143.3#  
77 902.0 75.7 115.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.875 min Scan# 1324  
Delta R.T. 0.000 min  
Lab File: BF133609.D  
Acq: 07 Jun 2023 02:09

Tgt Ion:164 Resp: 209476  
Ion Ratio Lower Upper  
164 100  
162 99.4 79.7 119.5  
160 44.9 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 92.063 ng

RT: 10.663 min Scan# 1459

Delta R.T. -0.006 min

Lab File: BF133609.D

Acq: 07 Jun 2023 02:09

Instrument :

BNA\_F

ClientSampleId :

WC29

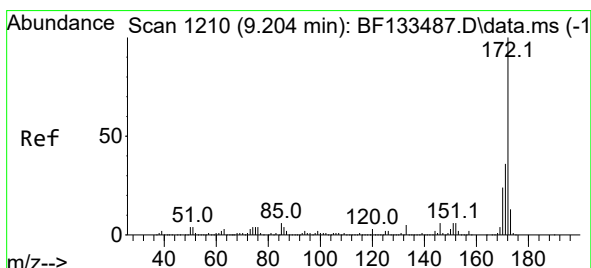
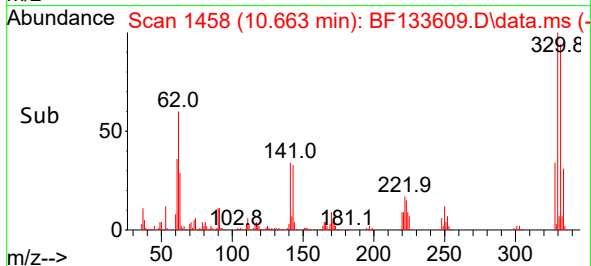
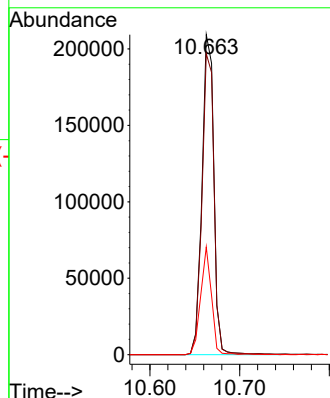
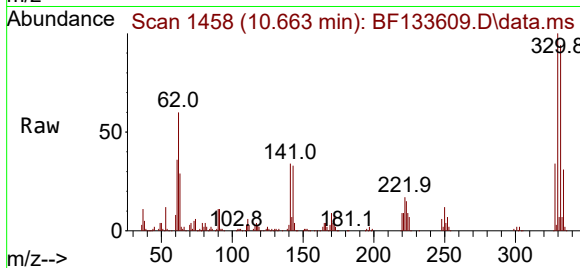
Tgt Ion:330 Resp: 192236

Ion Ratio Lower Upper

330 100

332 95.6 77.8 116.6

141 30.7 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 74.054 ng

RT: 9.198 min Scan# 1209

Delta R.T. 0.000 min

Lab File: BF133609.D

Acq: 07 Jun 2023 02:09

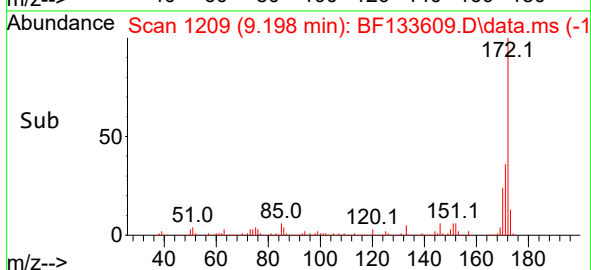
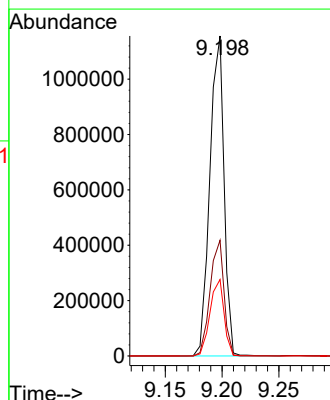
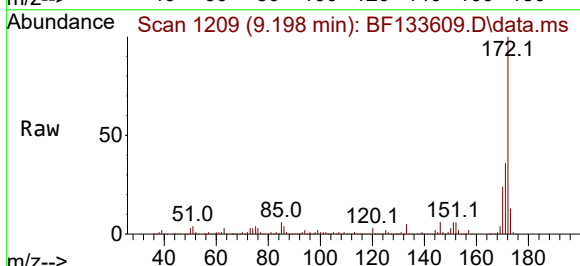
Tgt Ion:172 Resp: 1005069

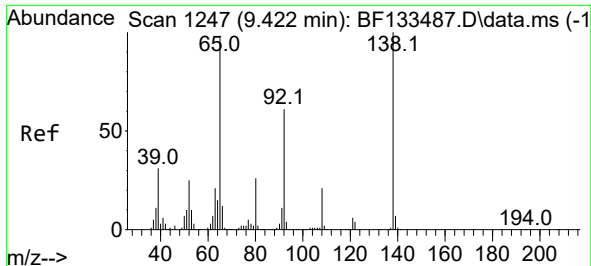
Ion Ratio Lower Upper

172 100

171 36.2 28.4 42.6

170 23.9 19.3 28.9

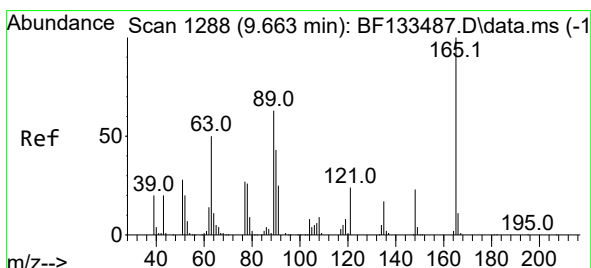
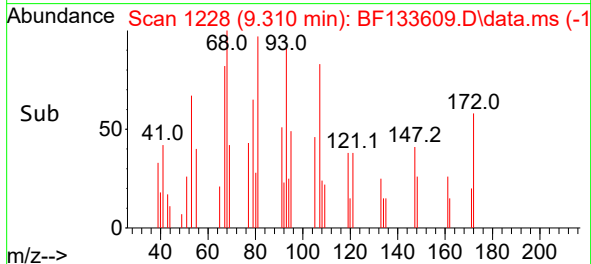
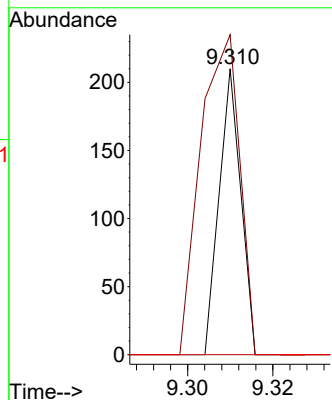
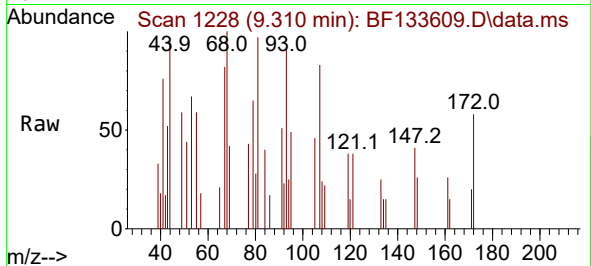




#48  
2-Nitroaniline  
Concen: 4.008 ng  
RT: 9.310 min Scan# 11  
Delta R.T. -0.106 min  
Lab File: BF133609.D  
Acq: 07 Jun 2023 02:09

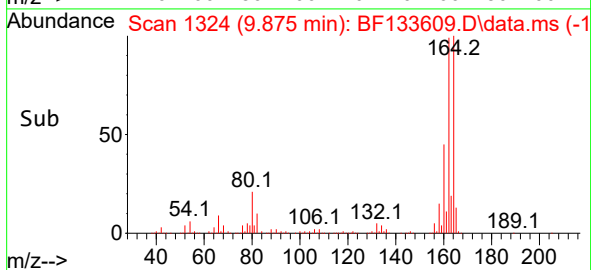
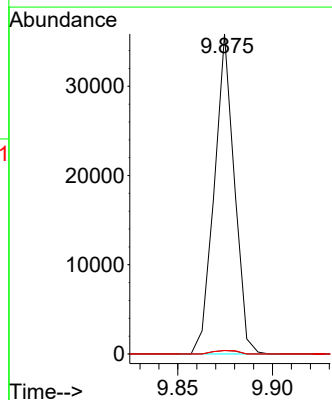
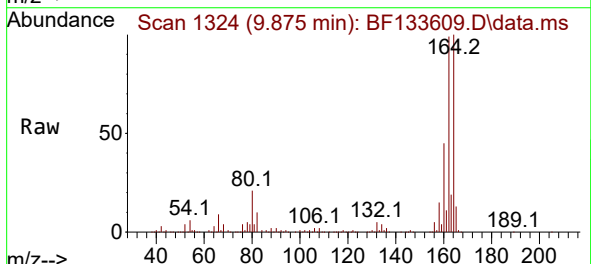
Instrument :  
BNA\_F  
ClientSampleId :  
WC29

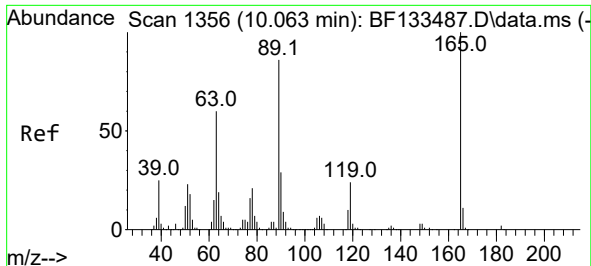
Tgt Ion: 65 Resp: 74  
Ion Ratio Lower Upper  
65 100  
92 111.9 50.8 76.2#  
138 0.0 82.6 124.0#



#51  
2,6-Dinitrotoluene  
Concen: 12.429 ng  
RT: 9.875 min Scan# 1324  
Delta R.T. 0.212 min  
Lab File: BF133609.D  
Acq: 07 Jun 2023 02:09

Tgt Ion: 165 Resp: 26519  
Ion Ratio Lower Upper  
165 100  
63 1.1 57.0 85.4#  
89 1.1 50.8 76.2#

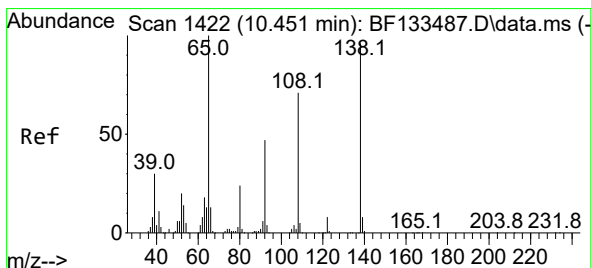
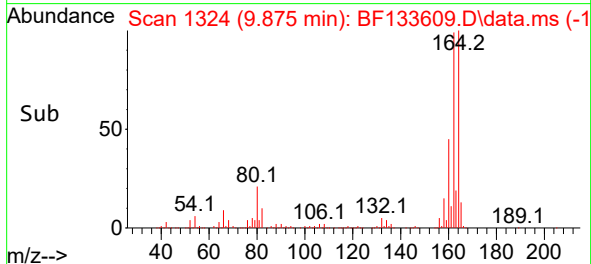
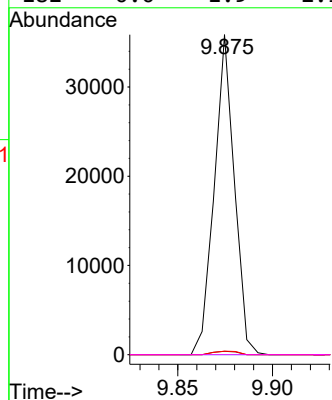
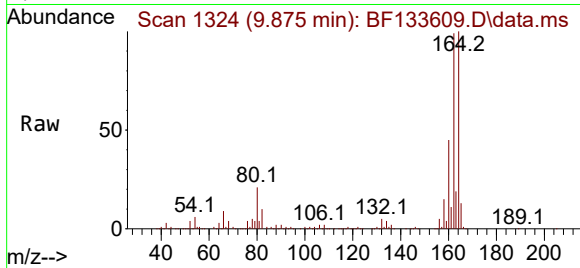




#57  
2,4-Dinitrotoluene  
Concen: 11.624 ng  
RT: 9.875 min Scan# 11  
Delta R.T. -0.188 min  
Lab File: BF133609.D  
Acq: 07 Jun 2023 02:09

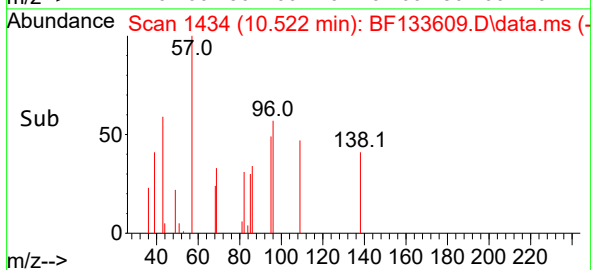
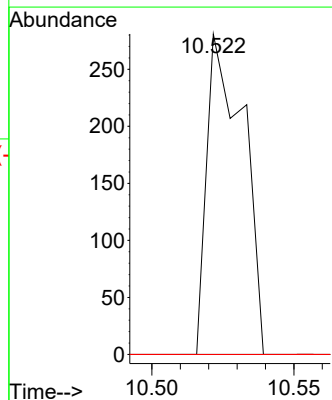
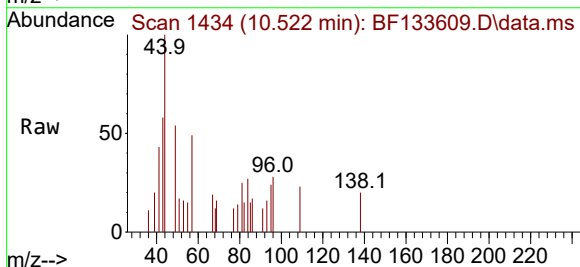
Instrument :  
BNA\_F  
ClientSampleId :  
WC29

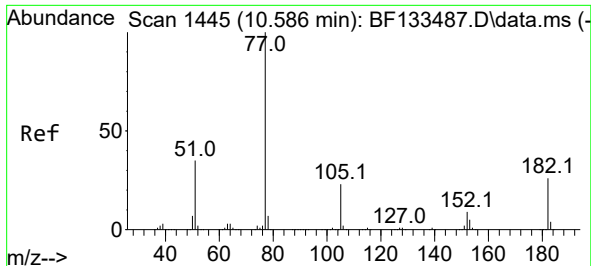
Tgt Ion:165 Resp: 26519  
Ion Ratio Lower Upper  
165 100  
63 1.1 48.1 72.1#  
89 1.1 68.4 102.6#  
182 0.0 1.9 2.9#



#62  
4-Nitroaniline  
Concen: 3.051 ng  
RT: 10.522 min Scan# 1434  
Delta R.T. 0.077 min  
Lab File: BF133609.D  
Acq: 07 Jun 2023 02:09

Tgt Ion:138 Resp: 250  
Ion Ratio Lower Upper  
138 100  
92 0.0 28.4 68.4#  
108 0.0 54.2 94.2#

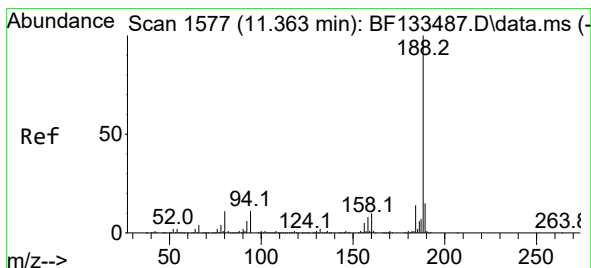
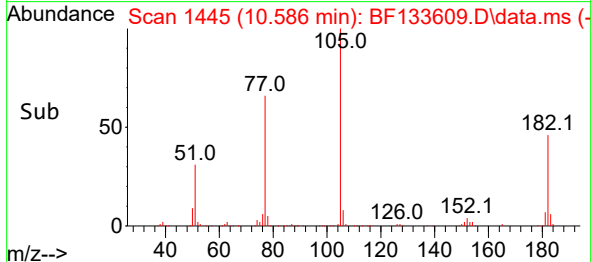
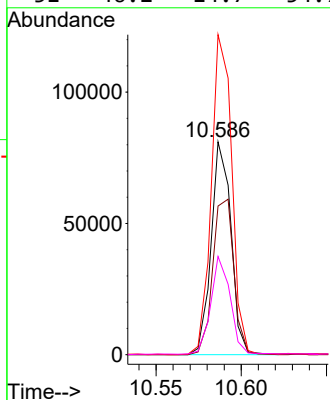
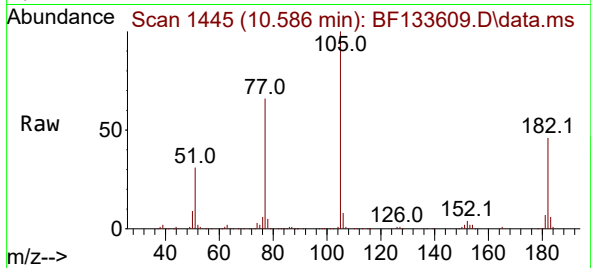




#63  
 Azobenzene  
 Concen: 4.288 ng  
 RT: 10.586 min Scan# 1445  
 Delta R.T. 0.006 min  
 Lab File: BF133609.D  
 Acq: 07 Jun 2023 02:09

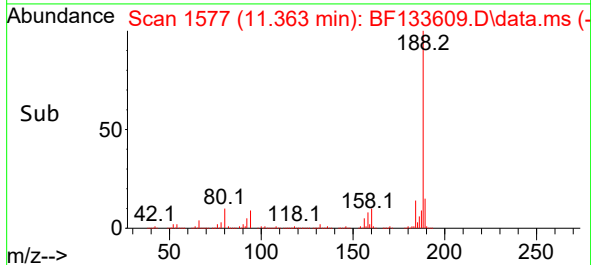
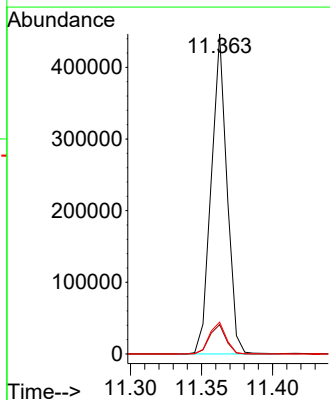
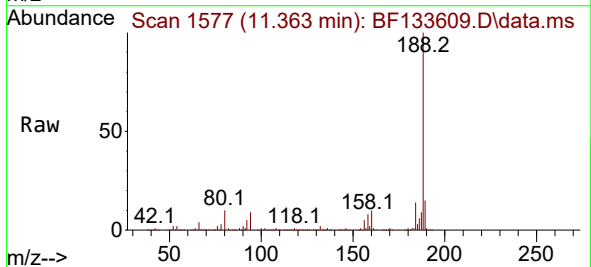
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC29

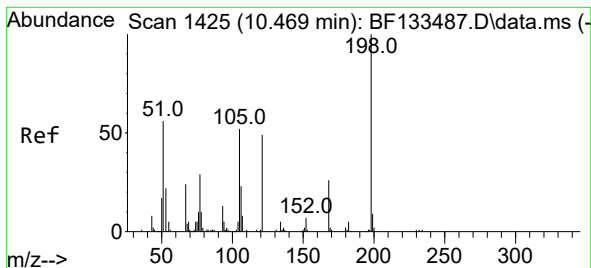
Tgt Ion: 77 Resp: 65599  
 Ion Ratio Lower Upper  
 77 100  
 182 69.9 5.6 45.6#  
 105 150.4 2.6 42.6#  
 51 46.2 14.7 54.7



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.363 min Scan# 1577  
 Delta R.T. 0.000 min  
 Lab File: BF133609.D  
 Acq: 07 Jun 2023 02:09

Tgt Ion: 188 Resp: 344516  
 Ion Ratio Lower Upper  
 188 100  
 94 9.2 8.6 12.8  
 80 10.0 9.2 13.8

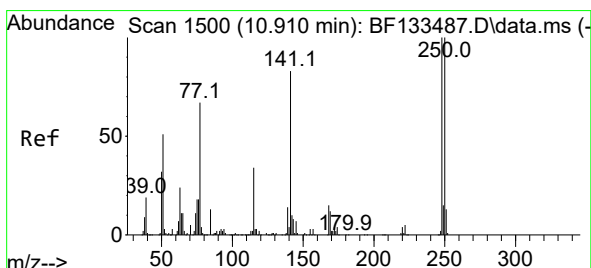
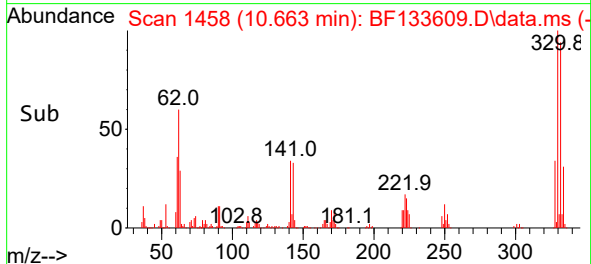
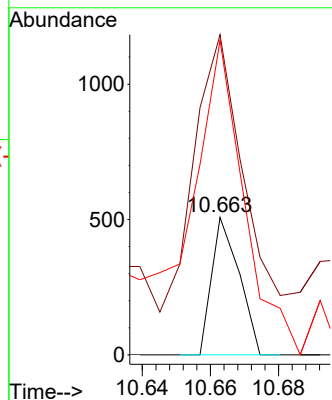
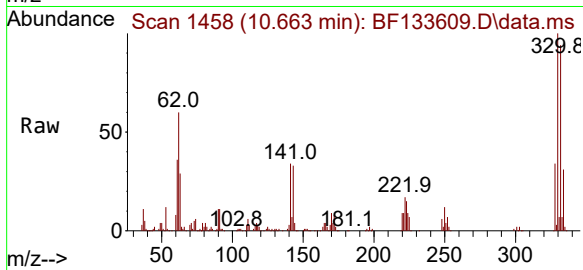




#65  
4,6-Dinitro-2-methylphenol  
Concen: 8.877 ng  
RT: 10.663 min Scan# 1425  
Delta R.T. 0.188 min  
Lab File: BF133609.D  
Acq: 07 Jun 2023 02:09

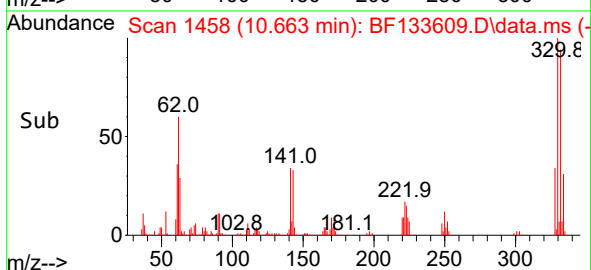
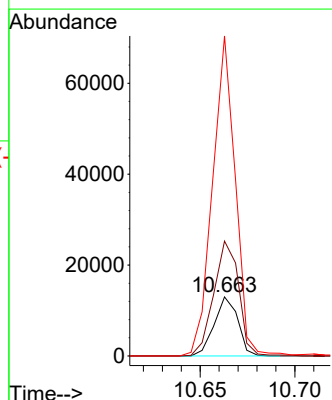
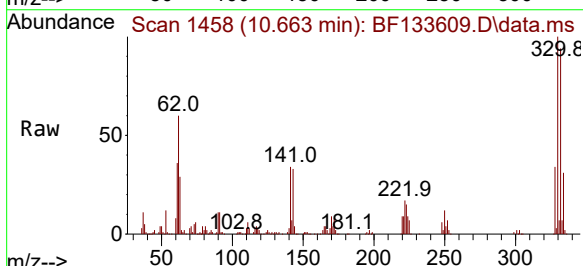
Instrument :  
BNA\_F  
ClientSampleId :  
WC29

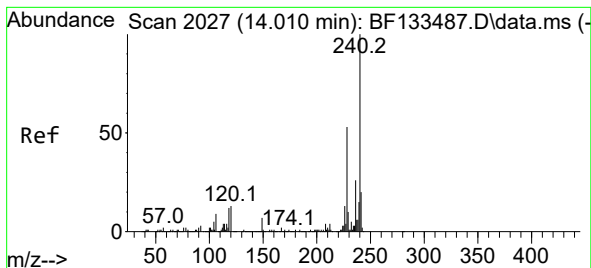
Tgt Ion:198 Resp: 284  
Ion Ratio Lower Upper  
198 100  
51 232.9 53.6 93.6#  
105 228.7 35.9 75.9#



#67  
4-Bromophenyl-phenylether  
Concen: 3.076 ng  
RT: 10.663 min Scan# 1458  
Delta R.T. -0.247 min  
Lab File: BF133609.D  
Acq: 07 Jun 2023 02:09

Tgt Ion:248 Resp: 11254  
Ion Ratio Lower Upper  
248 100  
250 194.4 79.7 119.5#  
141 541.2 66.6 100.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133609.D

Acq: 07 Jun 2023 02:09

Instrument :

BNA\_F

ClientSampleId :

WC29

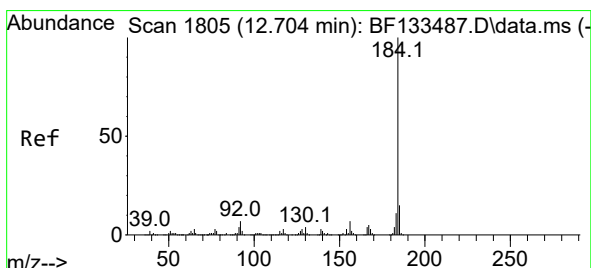
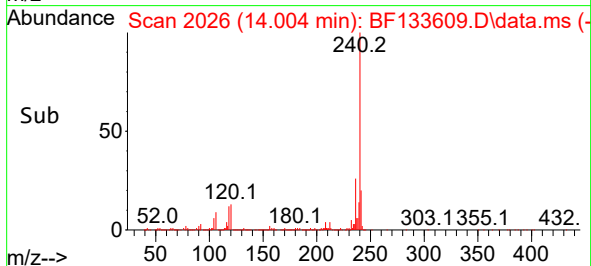
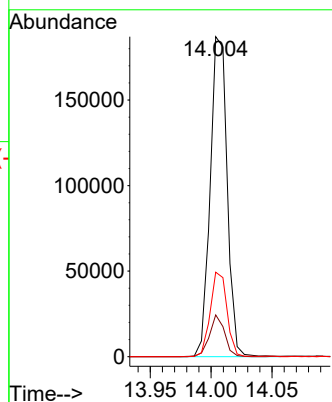
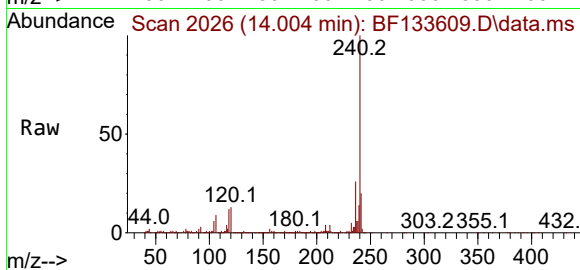
Tgt Ion:240 Resp: 181803

Ion Ratio Lower Upper

240 100

120 13.1 10.3 15.5

236 26.4 20.5 30.7



#77

Benzdine

Concen: 2.126 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.253 min

Lab File: BF133609.D

Acq: 07 Jun 2023 02:09

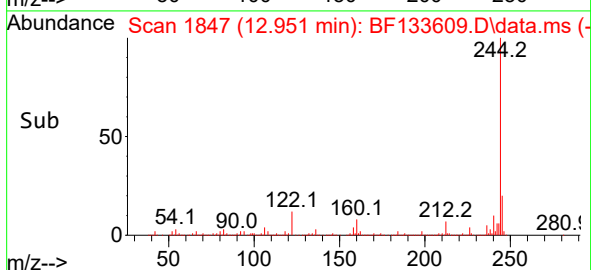
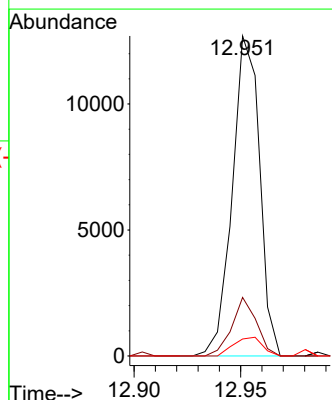
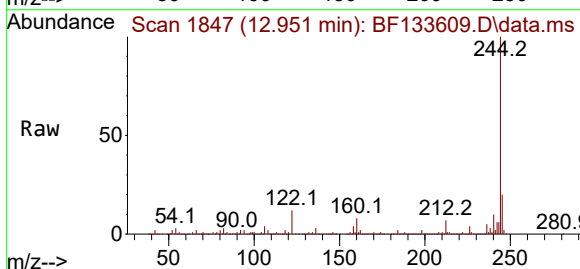
Tgt Ion:184 Resp: 11305

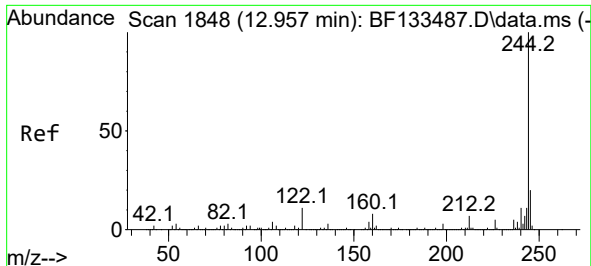
Ion Ratio Lower Upper

184 100

185 18.3 12.2 18.2#

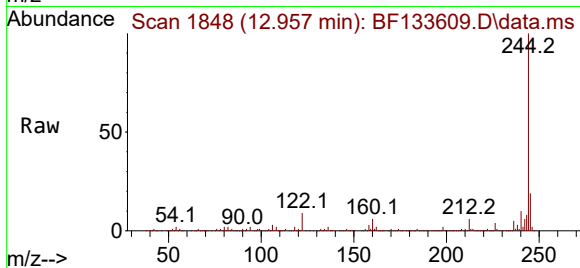
183 5.3 8.7 13.1#



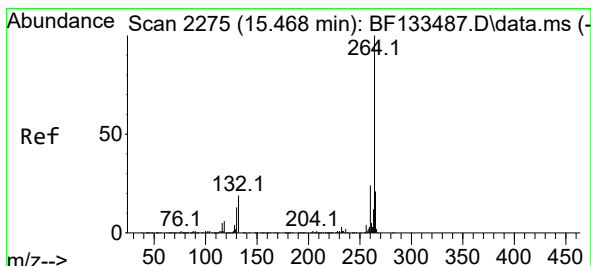
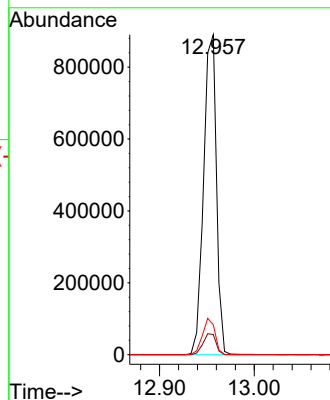
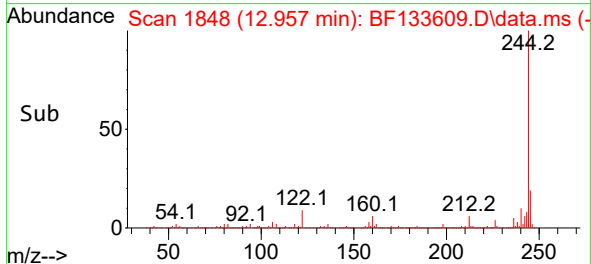


#79  
 Terphenyl-d14  
 Concen: 81.891 ng  
 RT: 12.957 min Scan# 1848  
 Delta R.T. 0.000 min  
 Lab File: BF133609.D  
 Acq: 07 Jun 2023 02:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC29



Tgt Ion:244 Resp: 837350  
 Ion Ratio Lower Upper  
 244 100  
 212 6.3 5.8 8.6  
 122 9.3 8.5 12.7



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.474 min Scan# 2276  
 Delta R.T. 0.006 min  
 Lab File: BF133609.D  
 Acq: 07 Jun 2023 02:09

Tgt Ion:264 Resp: 156930  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 19.0 28.4  
 265 21.3 16.8 25.2

