

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060823\  
 Data File : BF133642.D  
 Acq On : 08 Jun 2023 15:02  
 Operator : CG\JU  
 Sample : 03049-03  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-03-060523

Quant Time: Jun 08 15:28:15 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 08 11:43:32 2023  
 Response via : Initial Calibration

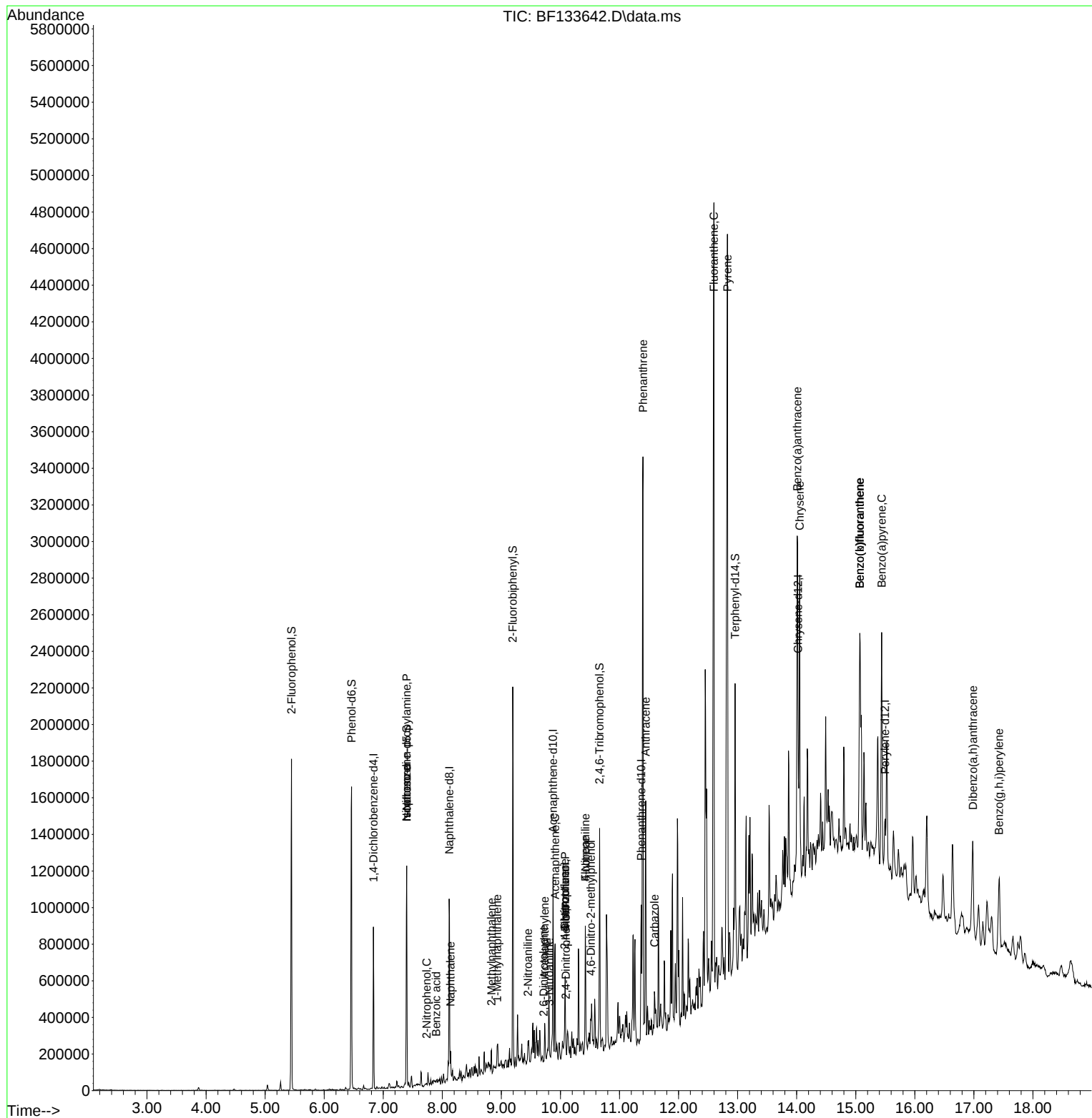
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.834  | 152  | 115811   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.116  | 136  | 404511   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.875  | 164  | 168136   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.369 | 188  | 284686   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 14.021 | 240  | 147164   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 15.498 | 264  | 127287   | 20.000    | ng    | # 0.02   |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.445  | 112  | 444363   | 64.018    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.463  | 99   | 528820   | 61.889    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.398  | 82   | 329094   | 54.320    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.663 | 330  | 110429   | 65.888    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.192  | 172  | 589150   | 54.082    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.957 | 244  | 508178   | 61.396    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.381  | 77   | 458      | Below Cal | #     | 76       |
| 19) n-Nitroso-di-n-propyla... | 7.398  | 70   | 45719    | 8.270     | ng    | # 74     |
| 25) Isophorone                | 7.398  | 82   | 326262   | 23.107    | ng    | # 65     |
| 26) 2-Nitrophenol             | 7.733  | 139  | 354      | 4.850     | ng    | # 1      |
| 31) Naphthalene               | 8.139  | 128  | 48941    | 2.496     | ng    | 99       |
| 32) Benzoic acid              | 7.898  | 122  | 940      | 7.550     | ng    | # 44     |
| 37) 2-Methylnaphthalene       | 8.833  | 142  | 31514    | 2.354     | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.928  | 142  | 30178    | 2.418     | ng    | 99       |
| 48) 2-Nitroaniline            | 9.451  | 65   | 1681     | 4.476     | ng    | # 41     |
| 49) Acenaphthylene            | 9.733  | 152  | 62654    | 3.708     | ng    | 96       |
| 51) 2,6-Dinitrotoluene        | 9.716  | 165  | 922      | 4.061     | ng    | # 54     |
| 52) Acenaphthene              | 9.910  | 154  | 123949   | 12.111    | ng    | 98       |
| 53) 3-Nitroaniline            | 9.816  | 138  | 330      | 3.289     | ng    | # 34     |
| 54) 2,4-Dinitrophenol         | 10.092 | 184  | 64       | 6.586     | ng    | # 1      |
| 55) Dibenzofuran              | 10.080 | 168  | 128786   | 8.458     | ng    | 99       |
| 56) 4-Nitrophenol             | 10.080 | 139  | 48887    | 24.180    | ng    | # 10     |
| 57) 2,4-Dinitrotoluene        | 10.075 | 165  | 1082     | 5.096     | ng    | # 1      |
| 58) Fluorene                  | 10.422 | 166  | 171276   | 15.354    | ng    | 99       |
| 62) 4-Nitroaniline            | 10.422 | 138  | 2391     | 3.775     | ng    | # 47     |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 145      | 8.814     | ng    | # 1      |
| 71) Phenanthrene              | 11.398 | 178  | 1286699  | 89.236    | ng    | 99       |
| 72) Anthracene                | 11.445 | 178  | 475515   | 32.043    | ng    | 99       |
| 73) Carbazole                 | 11.592 | 167  | 80403    | 5.729     | ng    | 94       |
| 75) Fluoranthene              | 12.598 | 202  | 2256121  | 141.654   | ng    | 97       |
| 78) Pyrene                    | 12.827 | 202  | 2004300  | 160.049   | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.010 | 228  | 852719   | 86.980    | ng    | 97       |
| 83) Chrysene                  | 14.051 | 228  | 701054   | 70.836    | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.068 | 252  | 1079728  | 130.267   | ng    | 96       |
| 89) Benzo(k)fluoranthene      | 15.068 | 252  | 1079728  | 133.597   | ng    | 96       |
| 90) Benzo(a)pyrene            | 15.439 | 252  | 607772   | 80.584    | ng    | 97       |
| 91) Dibenzo(a,h)anthracene    | 16.986 | 278  | 87939    | 13.377    | ng    | # 89     |
| 92) Benzo(g,h,i)perylene      | 17.427 | 276  | 389596   | 58.776    | ng    | 97       |
| -----                         |        |      |          |           |       |          |

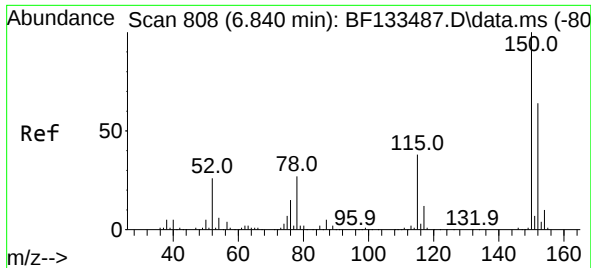
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 08 11:43:32 2023  
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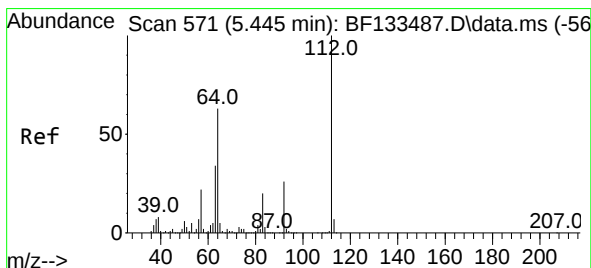
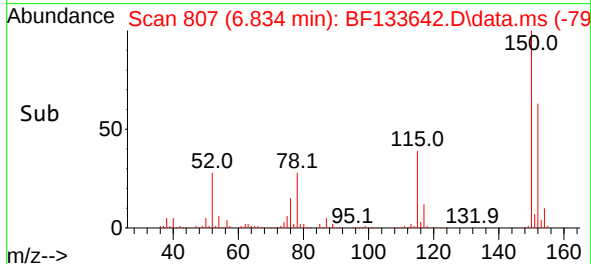
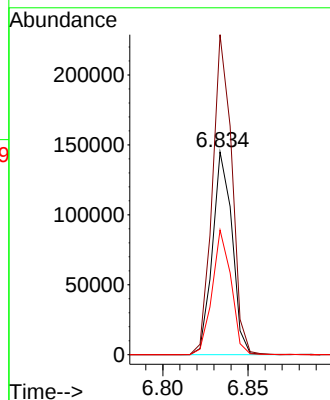
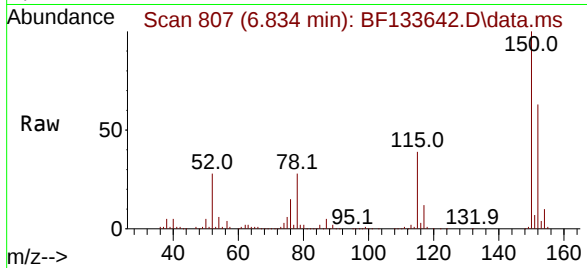




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.834 min Scan# 808  
Delta R.T. -0.005 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

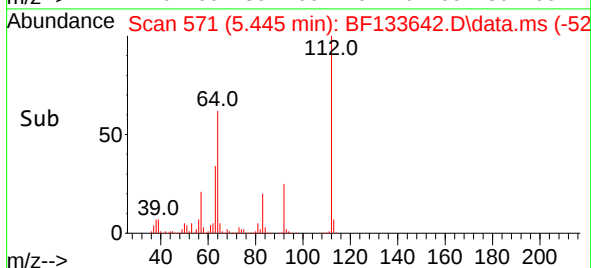
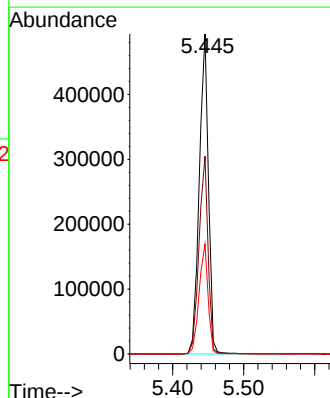
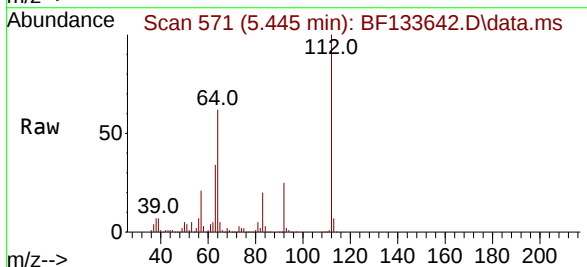
Instrument :  
BNA\_F  
ClientSampleId :  
HR-03-060523

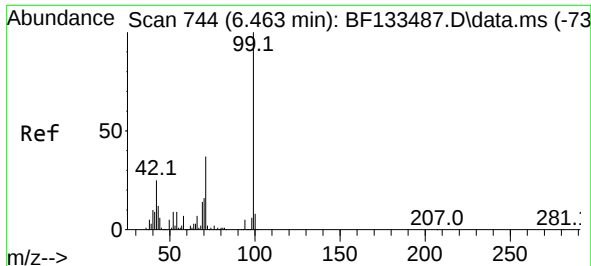
Tgt Ion:152 Resp: 115811  
Ion Ratio Lower Upper  
152 100  
150 157.9 124.9 187.3  
115 61.5 48.1 72.1



#5  
2-Fluorophenol  
Concen: 64.018 ng  
RT: 5.445 min Scan# 571  
Delta R.T. -0.000 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

Tgt Ion:112 Resp: 444363  
Ion Ratio Lower Upper  
112 100  
64 61.8 50.1 75.1  
63 34.3 27.5 41.3

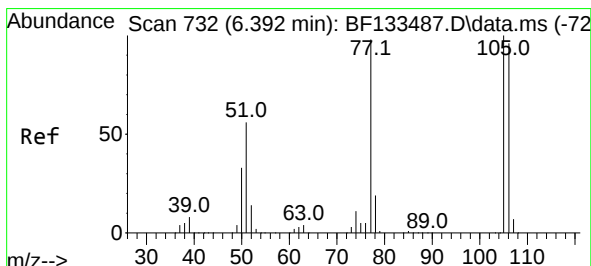
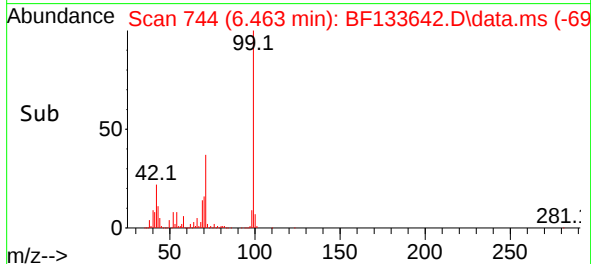
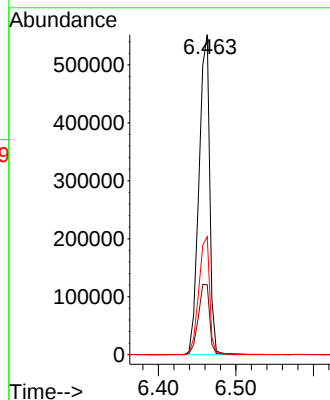
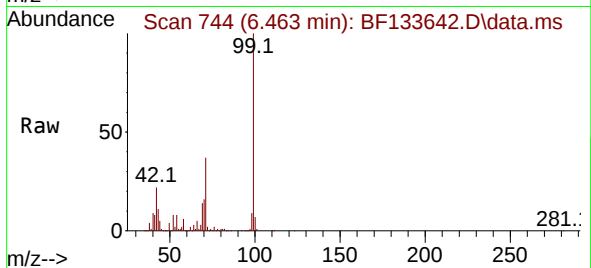




#7  
Phenol-d6  
Concen: 61.889 ng  
RT: 6.463 min Scan# 744  
Delta R.T. -0.006 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

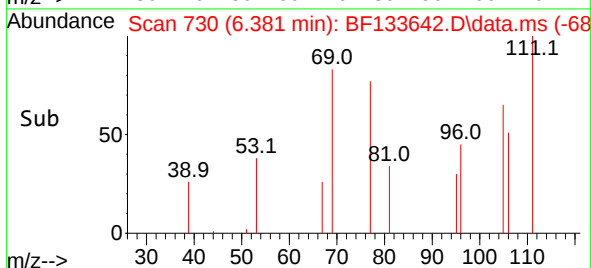
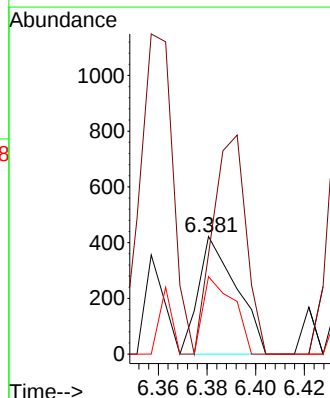
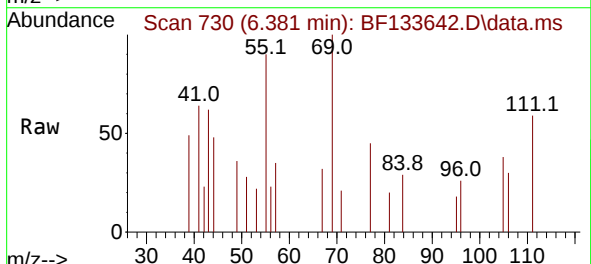
Instrument :  
BNA\_F  
ClientSampleId :  
HR-03-060523

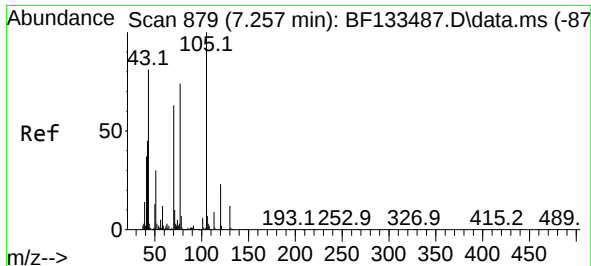
Tgt Ion: 99 Resp: 528820  
Ion Ratio Lower Upper  
99 100  
42 21.9 19.7 29.5  
71 36.9 29.8 44.8



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.381 min Scan# 730  
Delta R.T. -0.006 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

Tgt Ion: 77 Resp: 458  
Ion Ratio Lower Upper  
77 100  
105 84.8 81.9 121.9  
106 65.9 77.8 117.8#

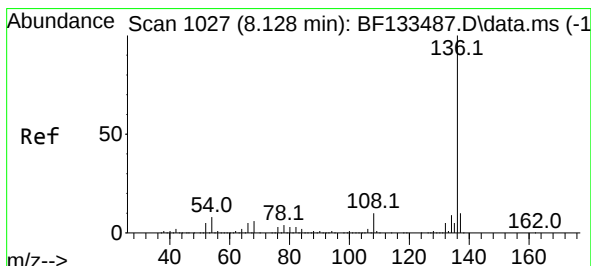
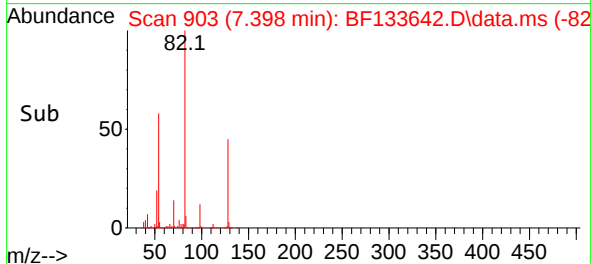
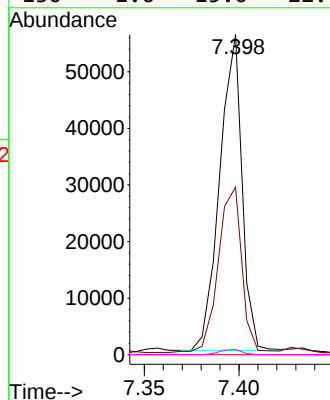
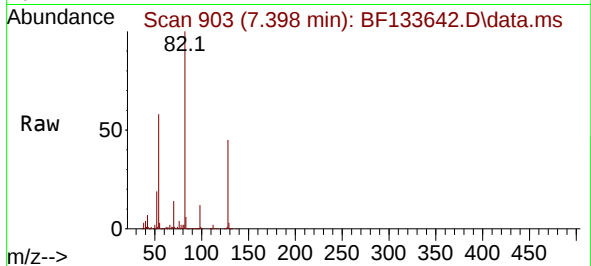




#19  
n-Nitroso-di-n-propylamine  
Concen: 8.270 ng  
RT: 7.398 min Scan# 90  
Delta R.T. 0.141 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

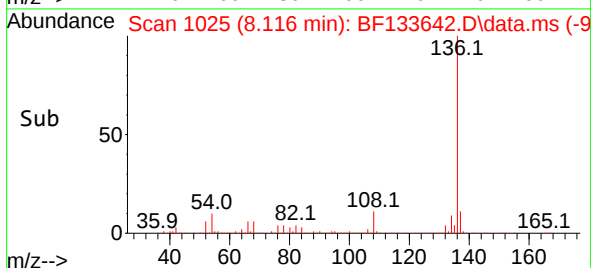
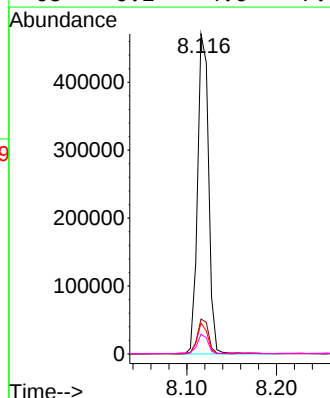
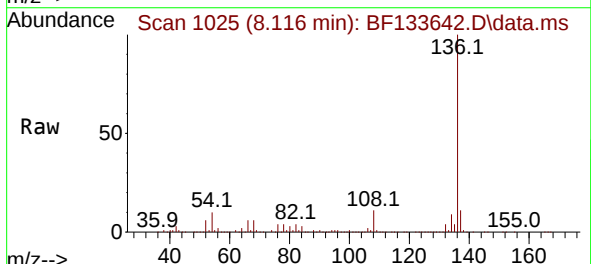
Instrument :  
BNA\_F  
ClientSampleId :  
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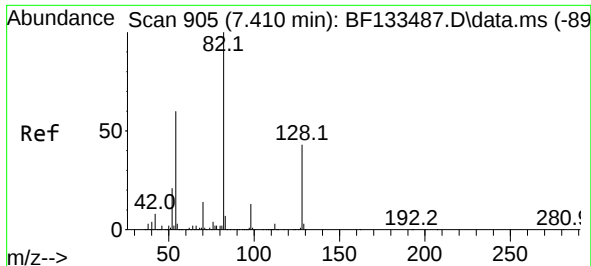
Tgt Ion: 70 Resp: 45719  
Ion Ratio Lower Upper  
70 100  
42 52.4 57.2 85.8#  
101 0.0 7.3 10.9#  
130 1.6 15.0 22.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.116 min Scan# 1025  
Delta R.T. -0.006 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

Tgt Ion: 136 Resp: 404511  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.2 12.4  
54 9.7 6.6 10.0  
68 6.2 4.6 7.0





#23

Nitrobenzene-d5

Concen: 54.320 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133642.D

Acq: 08 Jun 2023 15:02

Instrument :

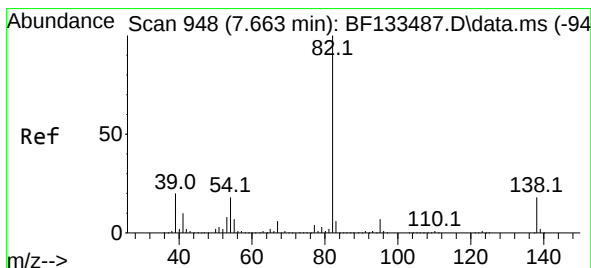
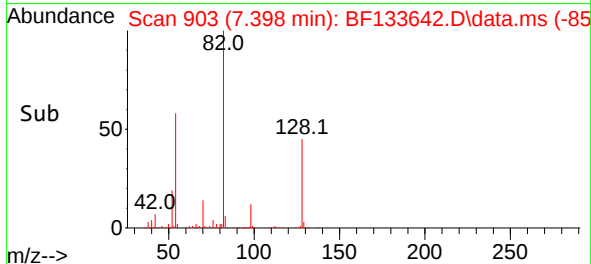
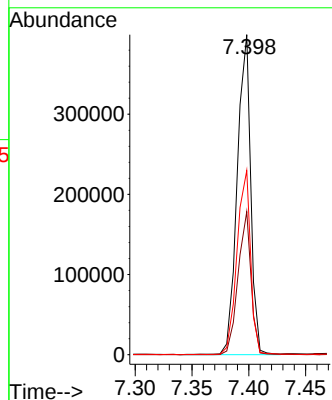
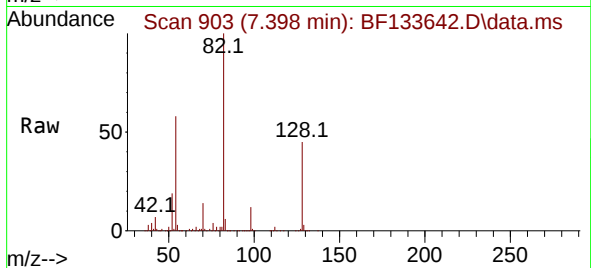
BNA\_F

ClientSampleId :

HR-03-060523

Tgt Ion: 82 Resp: 329094

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.7  | 34.2  | 51.4  |
| 54  | 57.6  | 48.2  | 72.4  |



#25

Isophorone

Concen: 23.107 ng

RT: 7.398 min Scan# 903

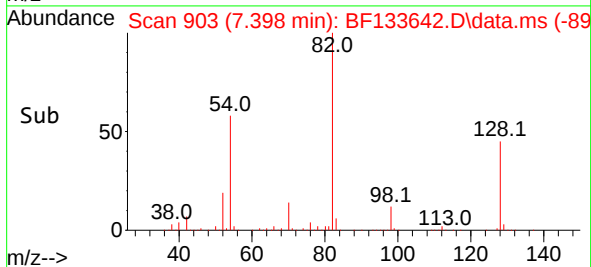
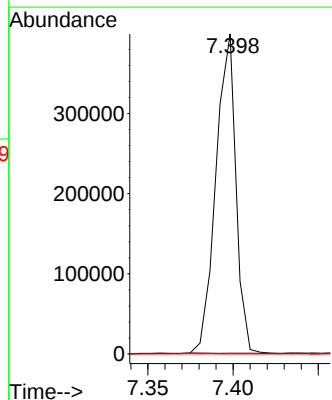
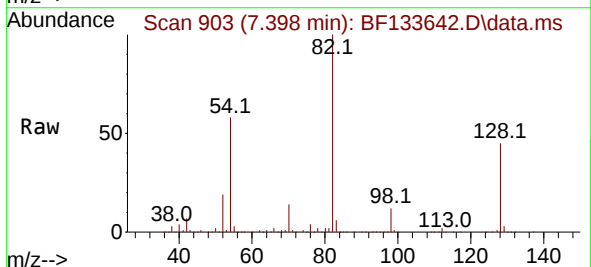
Delta R.T. -0.265 min

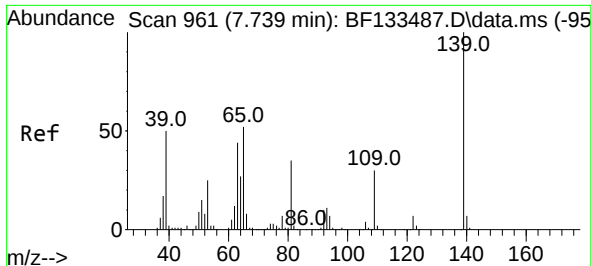
Lab File: BF133642.D

Acq: 08 Jun 2023 15:02

Tgt Ion: 82 Resp: 326262

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 95  | 0.3   | 5.7   | 8.5#  |
| 138 | 0.0   | 14.2  | 21.4# |

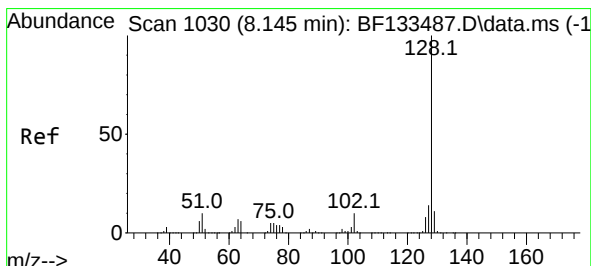
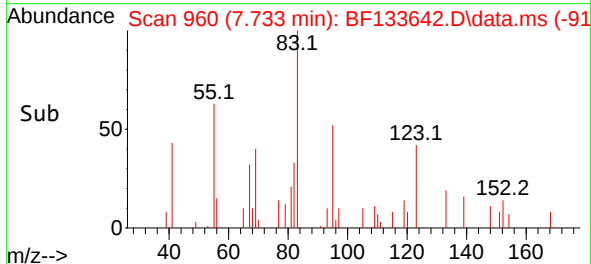
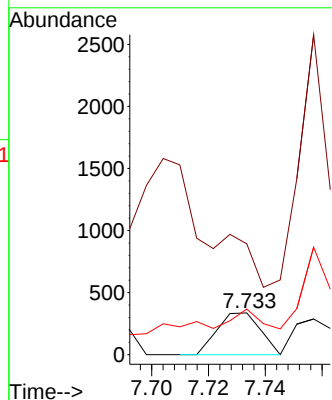
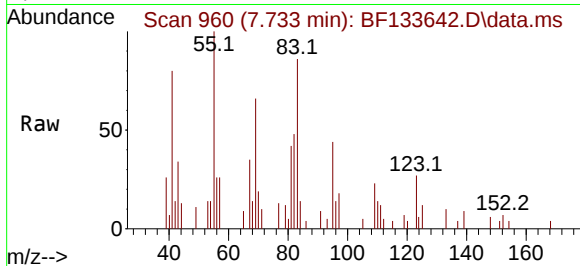




#26  
2-Nitrophenol  
Concen: 4.850 ng  
RT: 7.733 min Scan# 90  
Delta R.T. -0.006 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

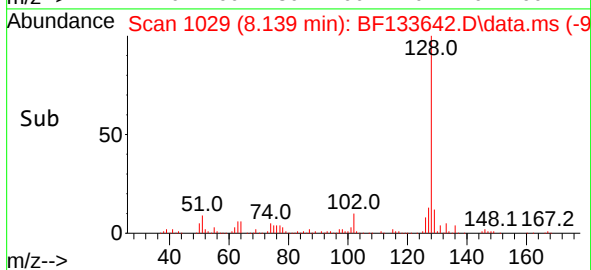
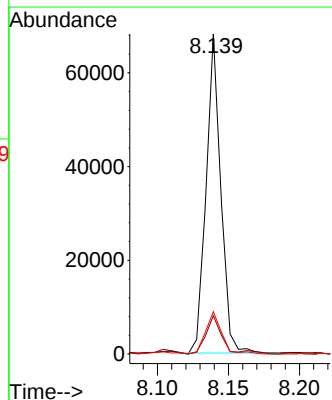
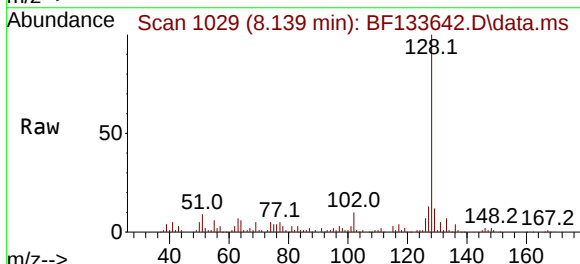
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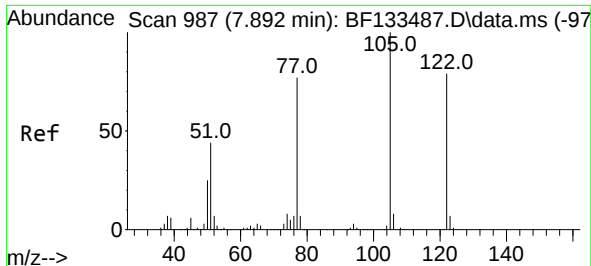
Tgt Ion:139 Resp: 354  
Ion Ratio Lower Upper  
139 100  
109 265.3 24.0 36.0#  
65 109.2 41.7 62.5#



#31  
Naphthalene  
Concen: 2.496 ng  
RT: 8.139 min Scan# 1029  
Delta R.T. -0.006 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

Tgt Ion:128 Resp: 48941  
Ion Ratio Lower Upper  
128 100  
129 12.0 9.2 13.8  
127 13.2 10.9 16.3

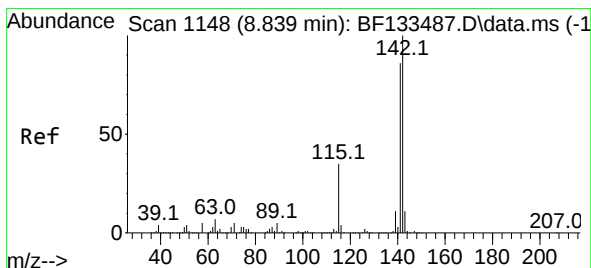
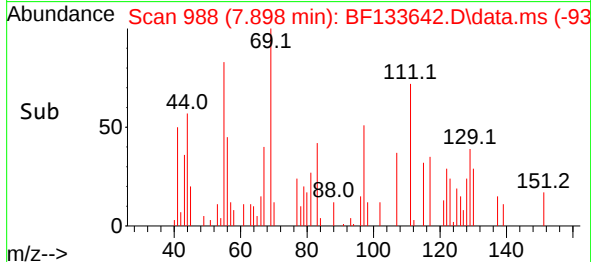
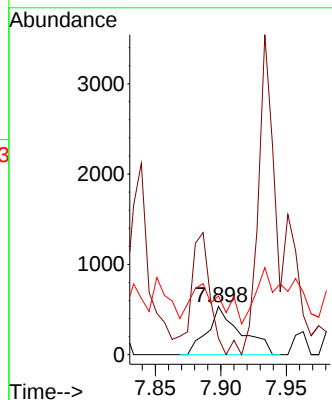
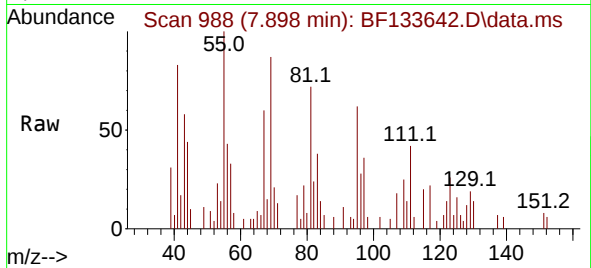




#32  
Benzoic acid  
Concen: 7.550 ng  
RT: 7.898 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

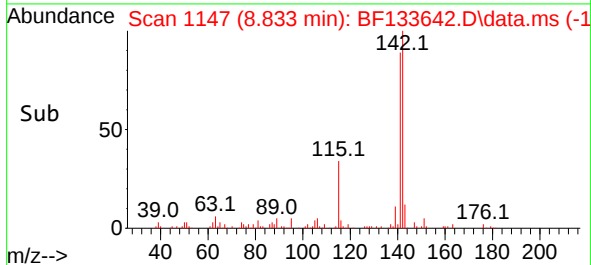
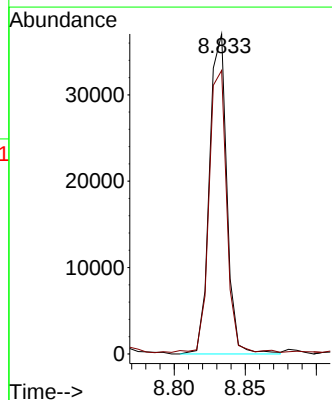
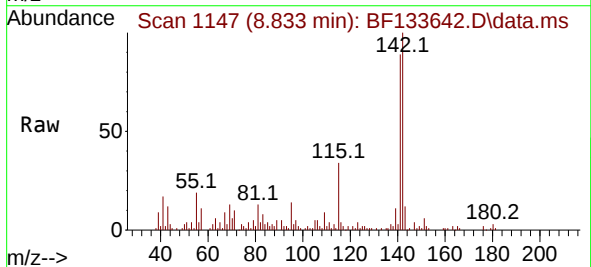
Instrument :  
BNA\_F  
ClientSampleId :  
HR-03-060523

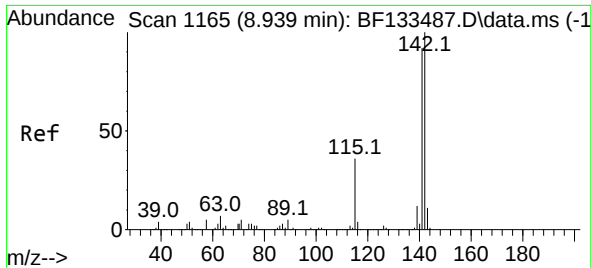
Tgt Ion:122 Resp: 940  
Ion Ratio Lower Upper  
122 100  
105 34.1 103.3 143.3#  
77 121.3 75.7 115.7#



#37  
2-Methylnaphthalene  
Concen: 2.354 ng  
RT: 8.833 min Scan# 1147  
Delta R.T. -0.000 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

Tgt Ion:142 Resp: 31514  
Ion Ratio Lower Upper  
142 100  
141 88.6 69.2 103.8

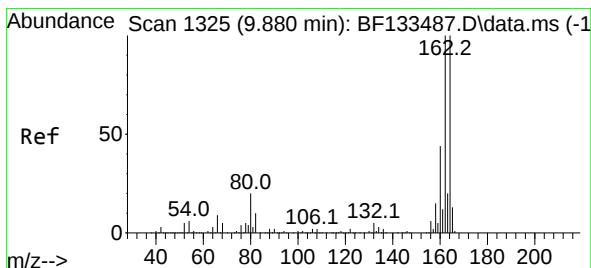
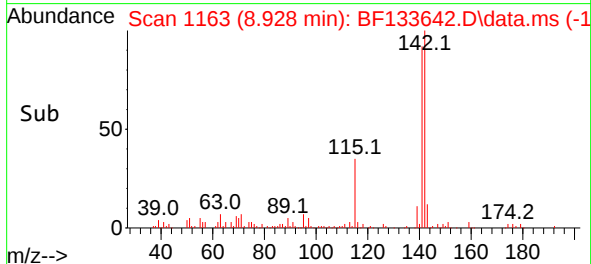
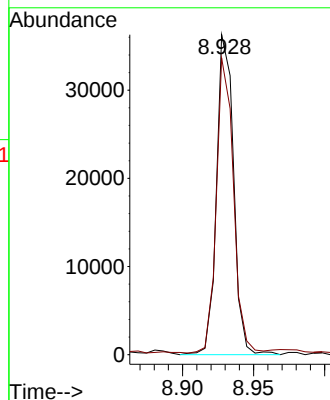
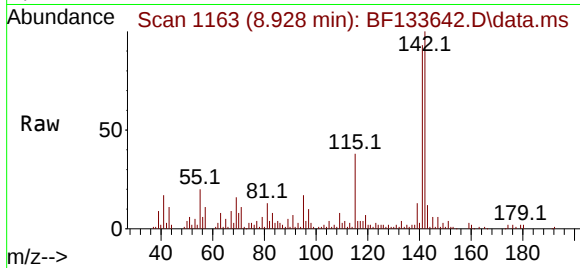




#38  
1-Methylnaphthalene  
Concen: 2.418 ng  
RT: 8.928 min Scan# 1163  
Delta R.T. -0.006 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

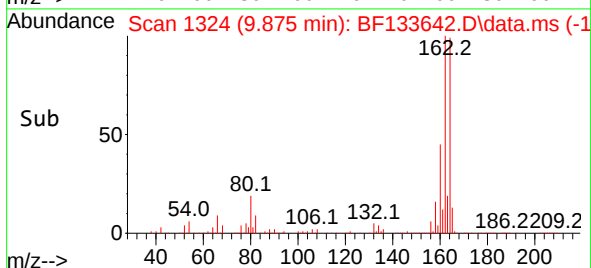
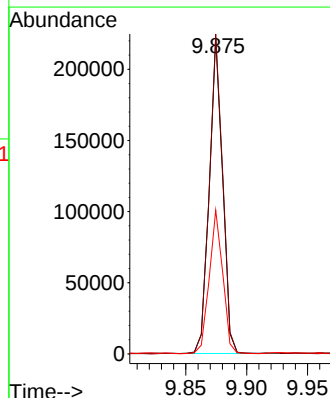
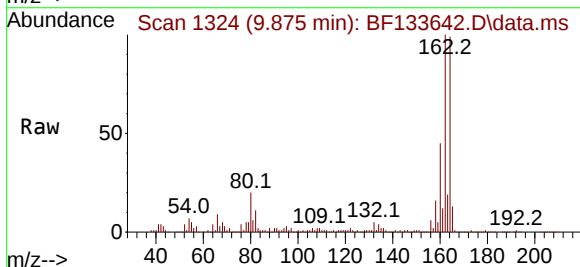
Instrument :  
BNA\_F  
ClientSampleId :  
HR-03-060523

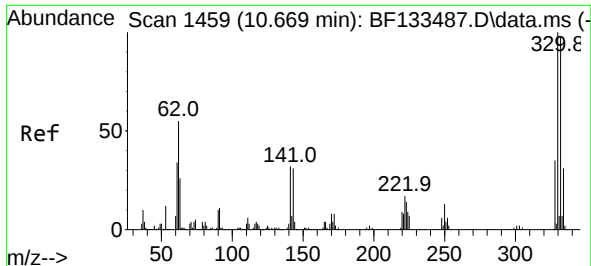
Tgt Ion:142 Resp: 30178  
Ion Ratio Lower Upper  
142 100  
141 92.7 73.6 110.4



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.875 min Scan# 1324  
Delta R.T. -0.006 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

Tgt Ion:164 Resp: 168136  
Ion Ratio Lower Upper  
164 100  
162 101.2 79.7 119.5  
160 45.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 65.888 ng

RT: 10.663 min Scan# 1459

Delta R.T. -0.006 min

Lab File: BF133642.D

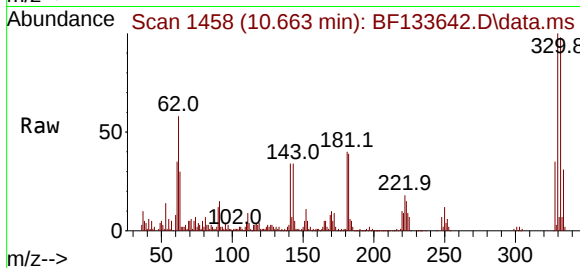
Acq: 08 Jun 2023 15:02

Instrument :

BNA\_F

ClientSampleId :

HR-03-060523



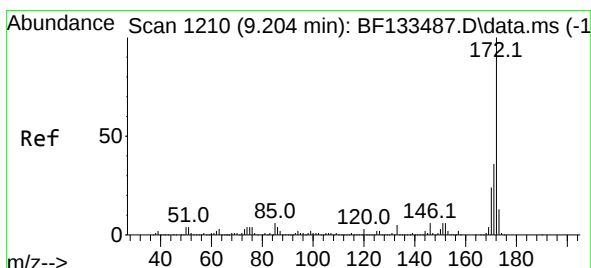
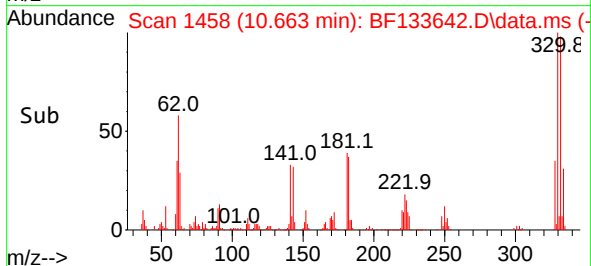
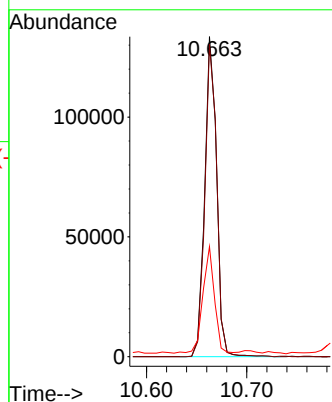
Tgt Ion:330 Resp: 110429

Ion Ratio Lower Upper

330 100

332 98.1 77.8 116.6

141 32.3 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 54.082 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133642.D

Acq: 08 Jun 2023 15:02

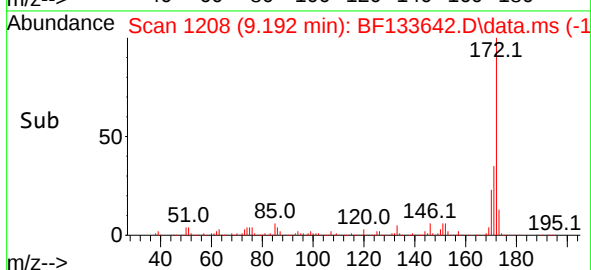
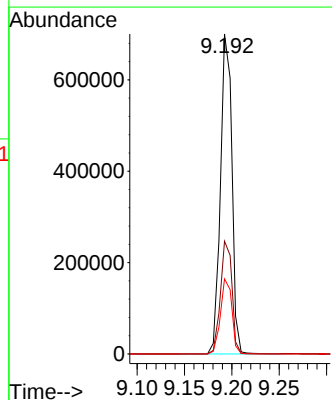
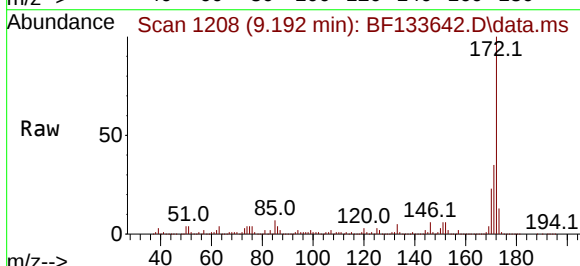
Tgt Ion:172 Resp: 589150

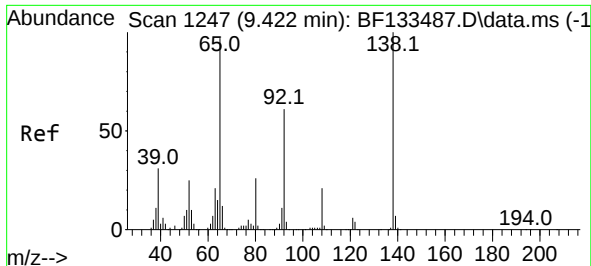
Ion Ratio Lower Upper

172 100

171 35.3 28.4 42.6

170 23.5 19.3 28.9

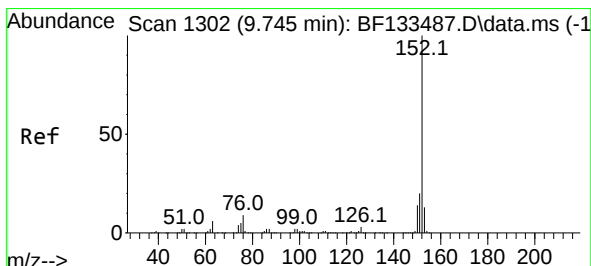
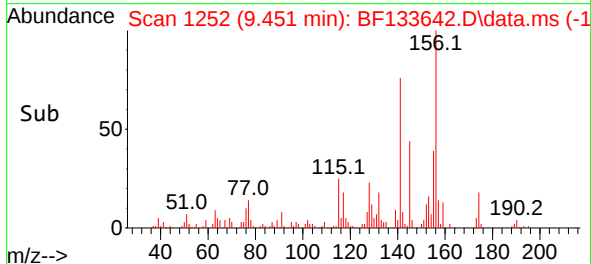
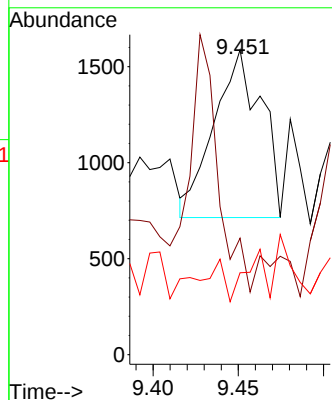
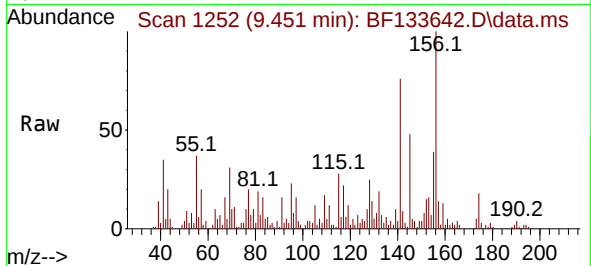




#48  
2-Nitroaniline  
Concen: 4.476 ng  
RT: 9.451 min Scan# 11  
Delta R.T. 0.029 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

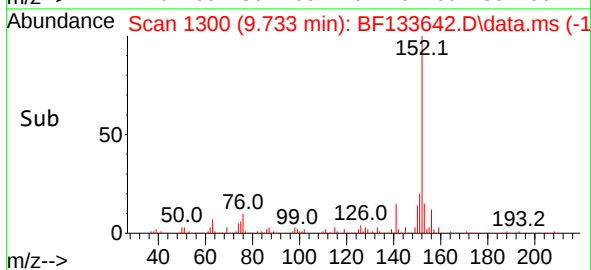
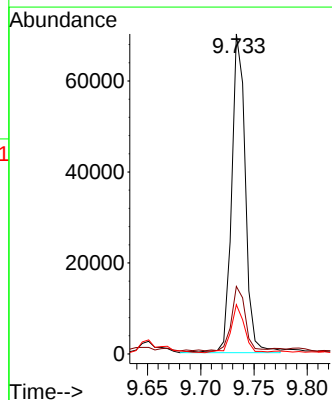
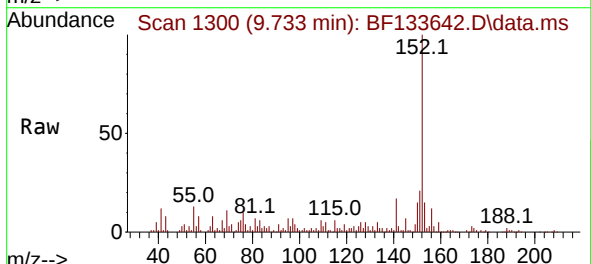
Instrument :  
BNA\_F  
ClientSampleId :  
HR-03-060523

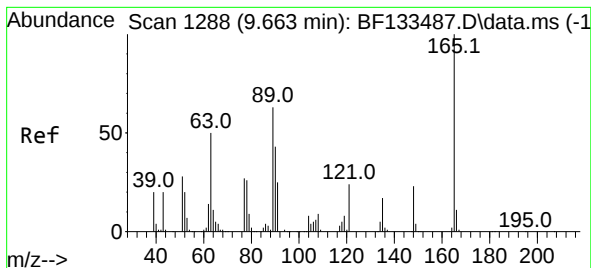
Tgt Ion: 65 Resp: 1681  
Ion Ratio Lower Upper  
65 100  
92 38.2 50.8 76.2#  
138 26.9 82.6 124.0#



#49  
Acenaphthylene  
Concen: 3.708 ng  
RT: 9.733 min Scan# 1300  
Delta R.T. -0.006 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

Tgt Ion: 152 Resp: 62654  
Ion Ratio Lower Upper  
152 100  
151 21.1 16.0 24.0  
153 15.4 10.4 15.6





#51

2,6-Dinitrotoluene

Concen: 4.061 ng

RT: 9.716 min Scan# 1

Delta R.T. 0.053 min

Lab File: BF133642.D

Acq: 08 Jun 2023 15:02

Instrument :

BNA\_F

ClientSampleId :

HR-03-060523

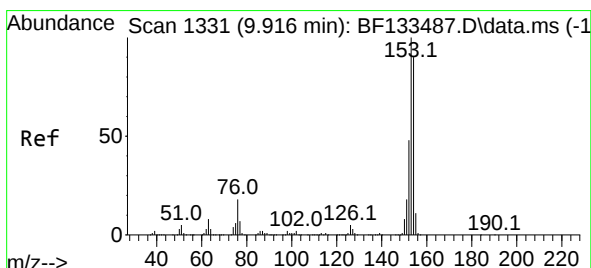
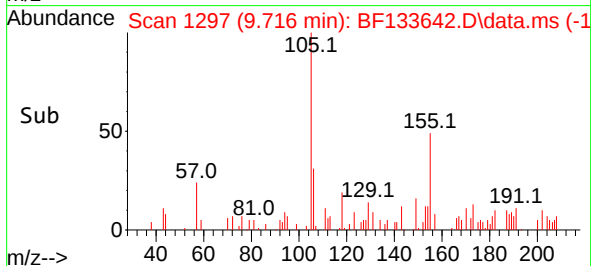
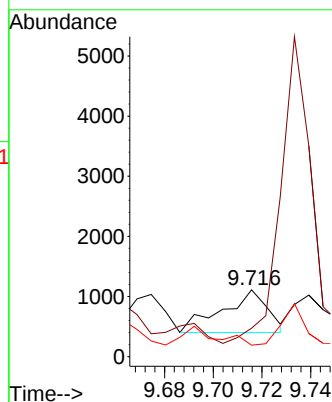
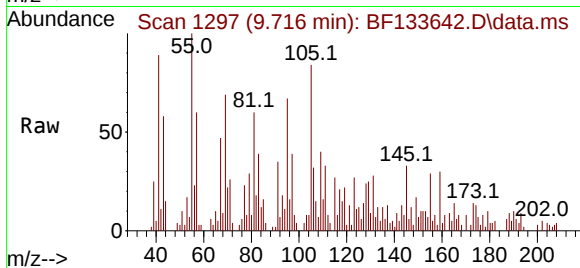
Tgt Ion:165 Resp: 922

Ion Ratio Lower Upper

165 100

63 42.7 57.0 85.4#

89 17.2 50.8 76.2#



#52

Acenaphthene

Concen: 12.111 ng

RT: 9.910 min Scan# 1330

Delta R.T. -0.006 min

Lab File: BF133642.D

Acq: 08 Jun 2023 15:02

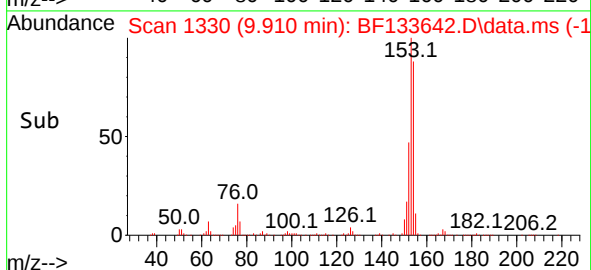
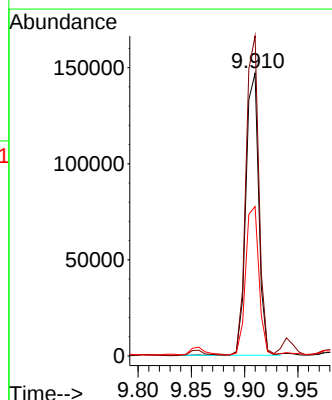
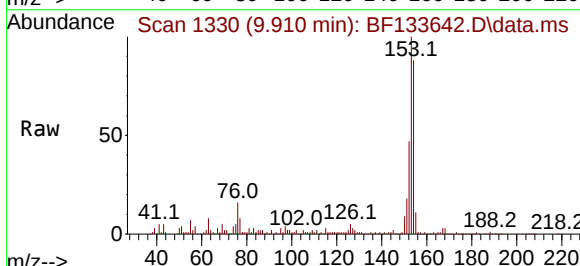
Tgt Ion:154 Resp: 123949

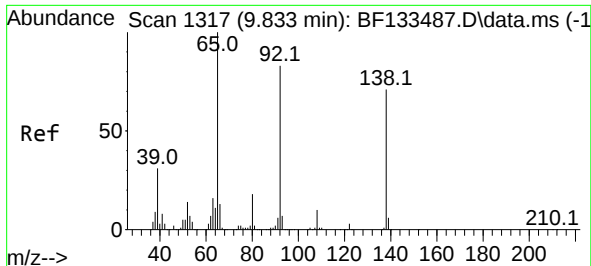
Ion Ratio Lower Upper

154 100

153 113.2 89.2 133.8

152 52.8 43.1 64.7

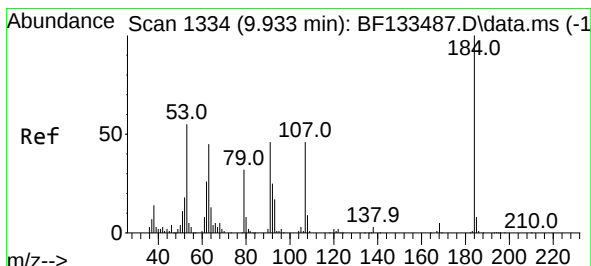
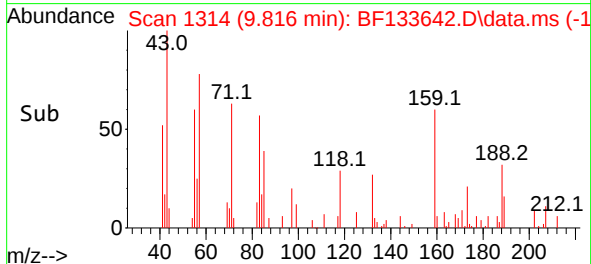
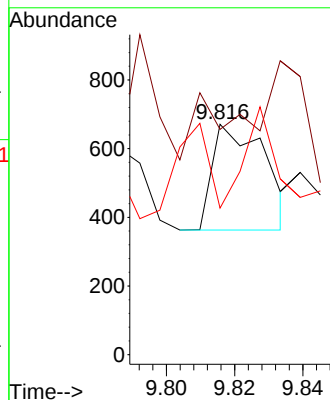
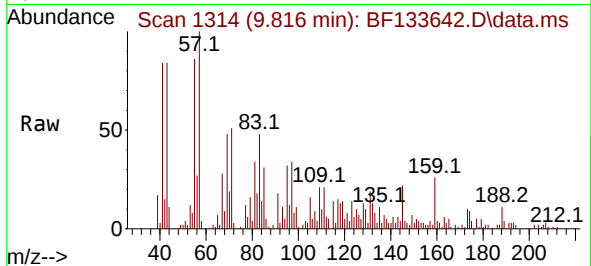




#53  
3-Nitroaniline  
Concen: 3.289 ng  
RT: 9.816 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

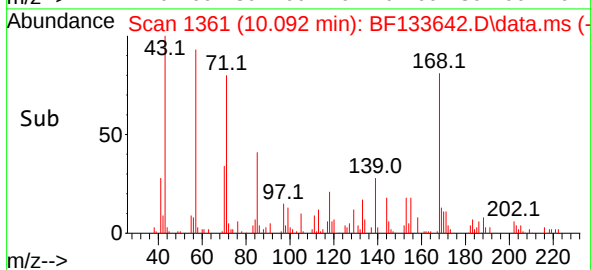
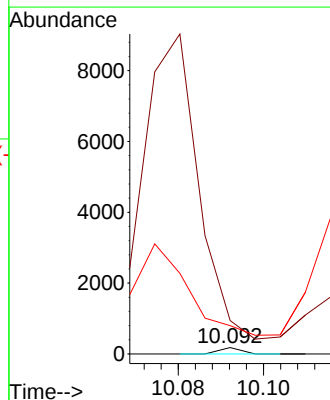
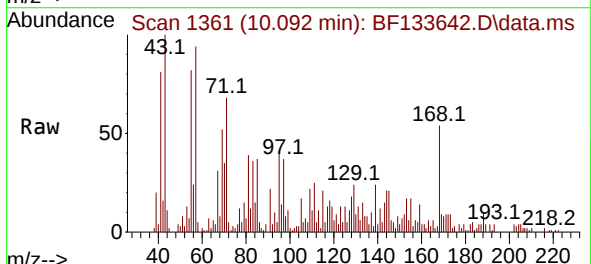
Instrument :  
BNA\_F  
ClientSampleId :  
HR-03-060523

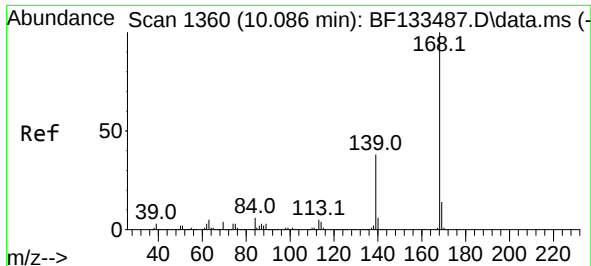
Tgt Ion:138 Resp: 330  
Ion Ratio Lower Upper  
138 100  
108 97.8 11.9 17.9#  
92 63.6 93.1 139.7#



#54  
2,4-Dinitrophenol  
Concen: 6.586 ng  
RT: 10.092 min Scan# 1361  
Delta R.T. 0.153 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

Tgt Ion:184 Resp: 64  
Ion Ratio Lower Upper  
184 100  
63 521.5 55.7 83.5#  
154 441.4 49.3 73.9#

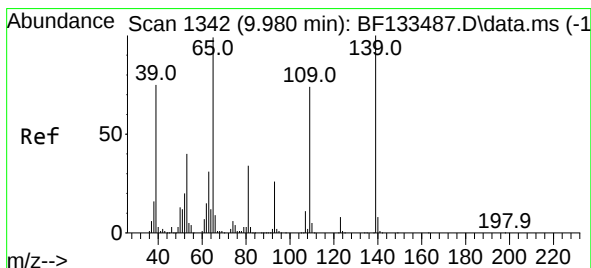
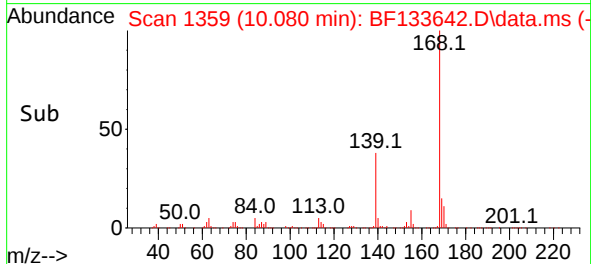
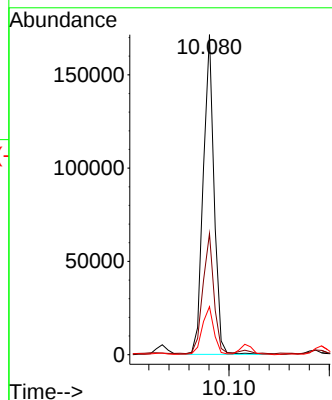
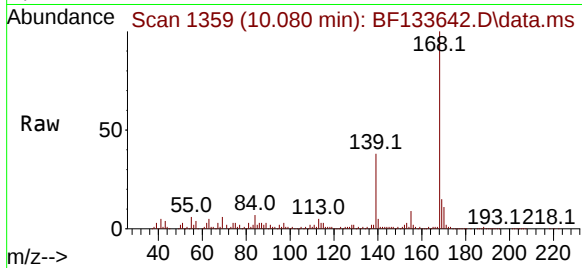




#55  
Dibenzenofuran  
Concen: 8.458 ng  
RT: 10.080 min Scan# 1359  
Delta R.T. -0.006 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

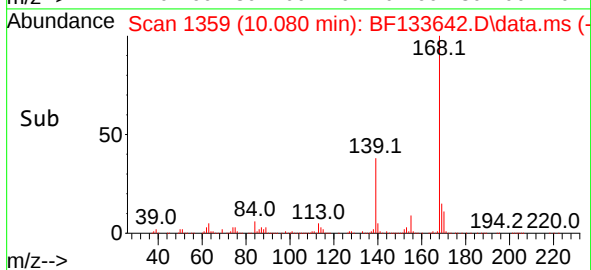
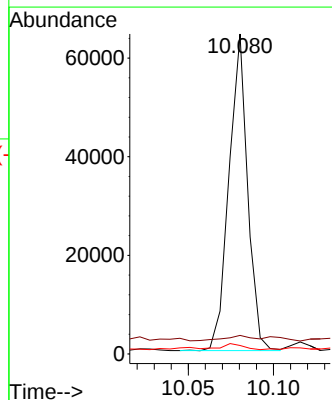
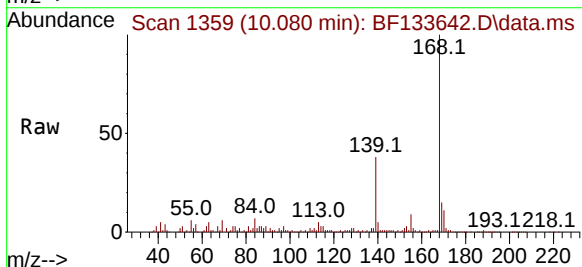
Instrument :  
BNA\_F  
ClientSampleId :  
HR-03-060523

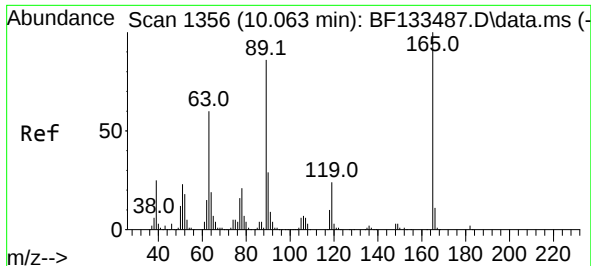
Tgt Ion:168 Resp: 128786  
Ion Ratio Lower Upper  
168 100  
139 37.8 30.6 46.0  
169 15.0 10.9 16.3



#56  
4-Nitrophenol  
Concen: 24.180 ng  
RT: 10.080 min Scan# 1359  
Delta R.T. 0.094 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

Tgt Ion:139 Resp: 48887  
Ion Ratio Lower Upper  
139 100  
109 5.8 54.5 94.5#  
65 2.7 79.5 119.5#

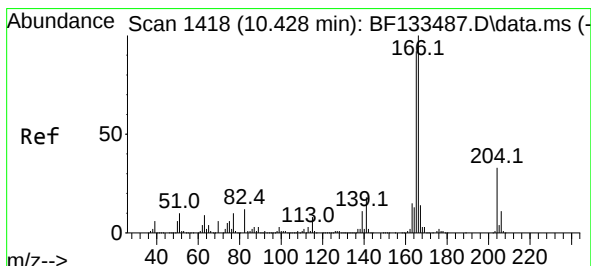
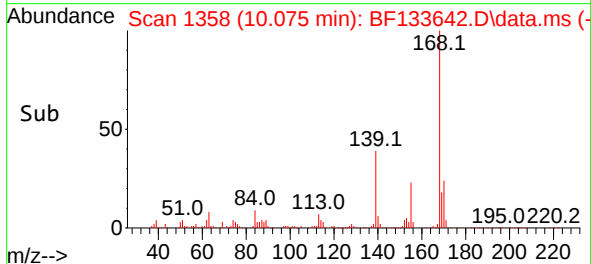
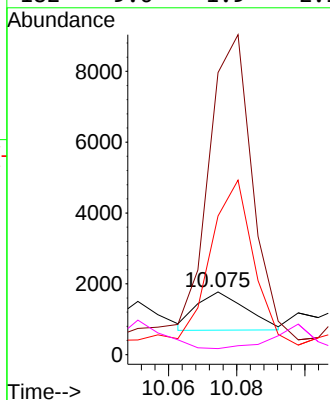
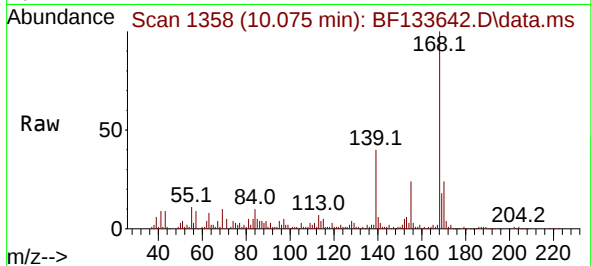




#57  
2,4-Dinitrotoluene  
Concen: 5.096 ng  
RT: 10.075 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

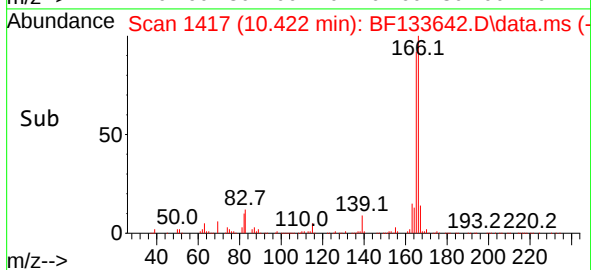
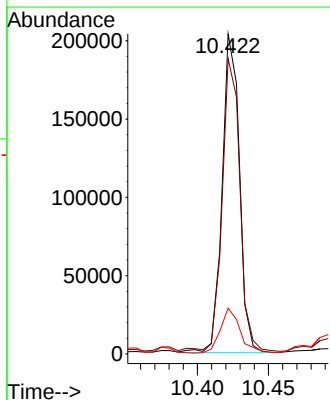
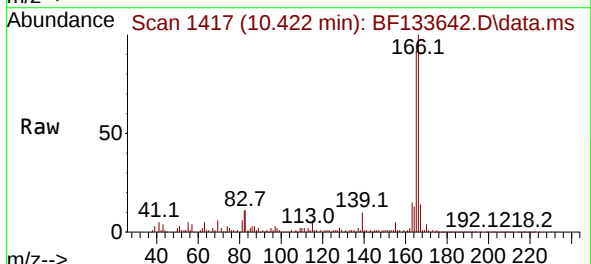
Instrument :  
BNA\_F  
ClientSampleId :  
HR-03-060523

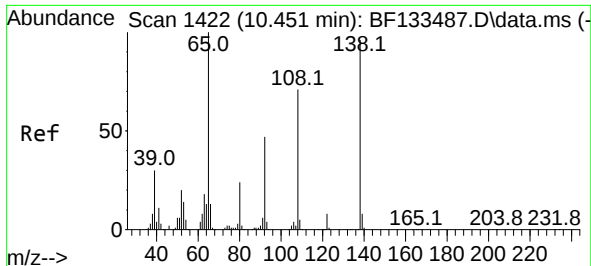
Tgt Ion:165 Resp: 1082  
Ion Ratio Lower Upper  
165 100  
63 449.1 48.1 72.1#  
89 221.0 68.4 102.6#  
182 9.6 1.9 2.9#



#58  
Fluorene  
Concen: 15.354 ng  
RT: 10.422 min Scan# 1417  
Delta R.T. -0.006 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

Tgt Ion:166 Resp: 171276  
Ion Ratio Lower Upper  
166 100  
165 92.3 73.4 110.0  
167 14.3 10.9 16.3

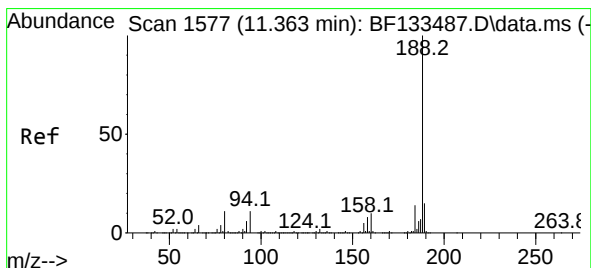
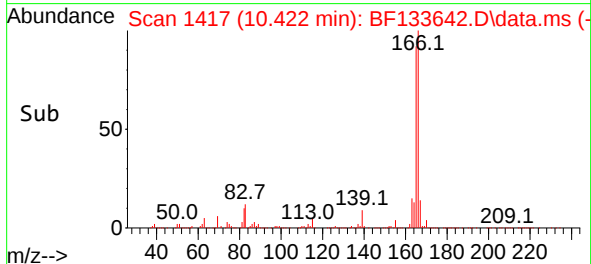
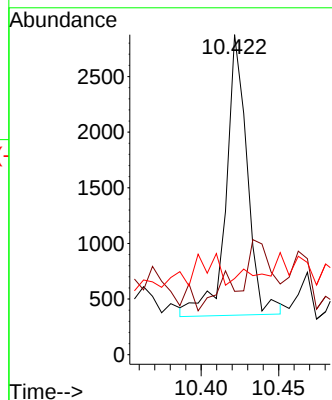
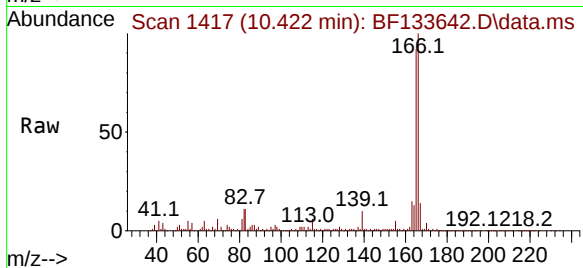




#62  
4-Nitroaniline  
Concen: 3.775 ng  
RT: 10.422 min Scan# 1417  
Delta R.T. -0.029 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

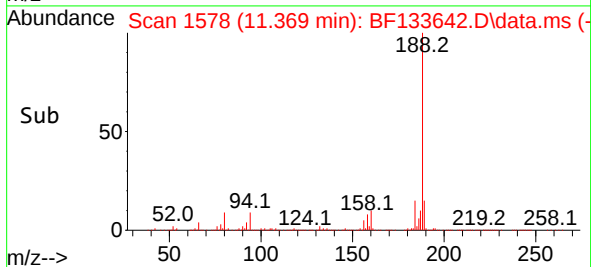
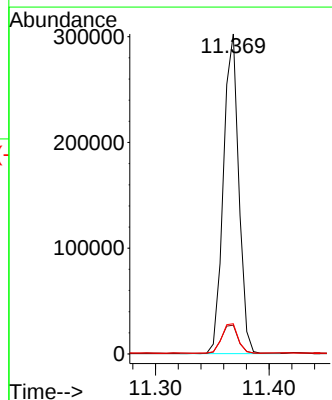
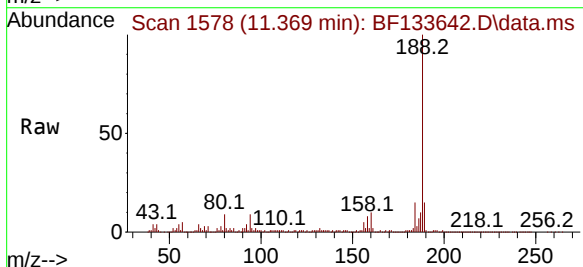
Instrument :  
BNA\_F  
ClientSampleId :  
HR-03-060523

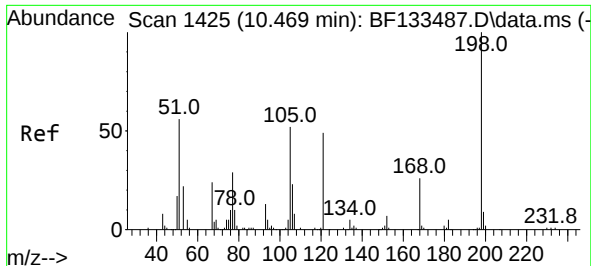
Tgt Ion:138 Resp: 2391  
Ion Ratio Lower Upper  
138 100  
92 19.8 28.4 68.4#  
108 23.8 54.2 94.2#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.369 min Scan# 1578  
Delta R.T. -0.000 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

Tgt Ion:188 Resp: 284686  
Ion Ratio Lower Upper  
188 100  
94 9.0 8.6 12.8  
80 9.4 9.2 13.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.814 ng

RT: 10.516 min Scan# 1425

Delta R.T. 0.035 min

Lab File: BF133642.D

Acq: 08 Jun 2023 15:02

Instrument :

BNA\_F

ClientSampleId :

HR-03-060523

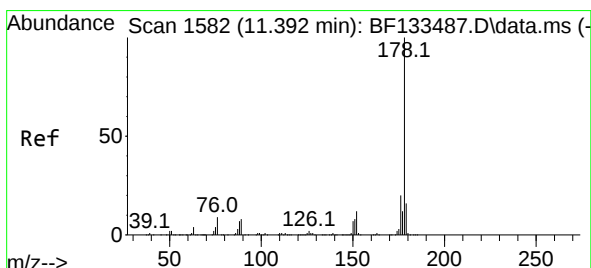
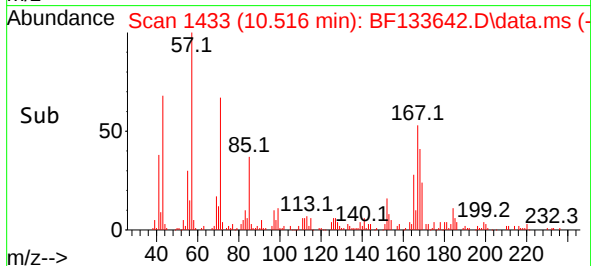
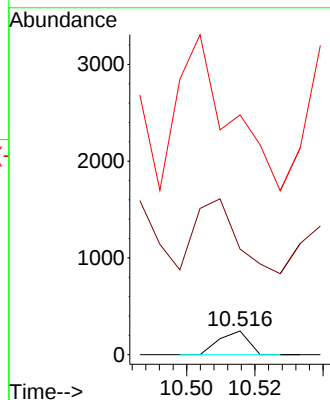
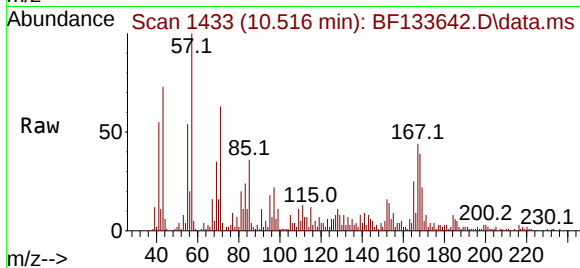
Tgt Ion:198 Resp: 145

Ion Ratio Lower Upper

198 100

51 445.3 53.6 93.6#

105 1011.4 35.9 75.9#



#71

Phenanthrene

Concen: 89.236 ng

RT: 11.398 min Scan# 1583

Delta R.T. 0.006 min

Lab File: BF133642.D

Acq: 08 Jun 2023 15:02

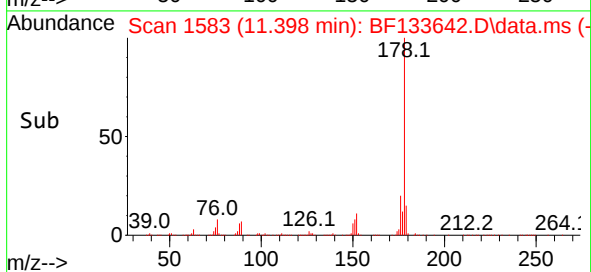
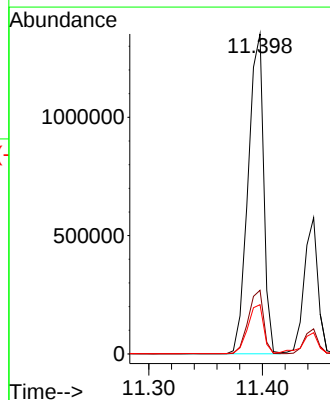
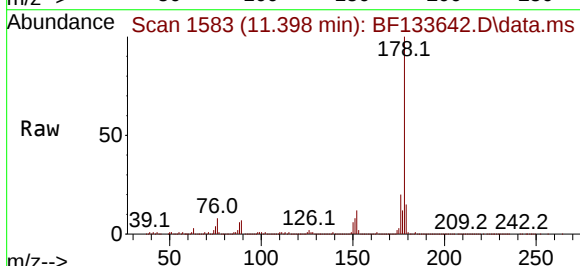
Tgt Ion:178 Resp: 1286699

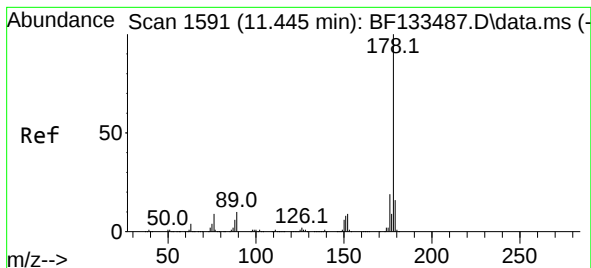
Ion Ratio Lower Upper

178 100

176 19.9 15.6 23.4

179 15.4 12.4 18.6





#72

Anthracene

Concen: 32.043 ng

RT: 11.445 min Scan# 1591

Delta R.T. -0.000 min

Lab File: BF133642.D

Acq: 08 Jun 2023 15:02

Instrument :

BNA\_F

ClientSampleId :

HR-03-060523

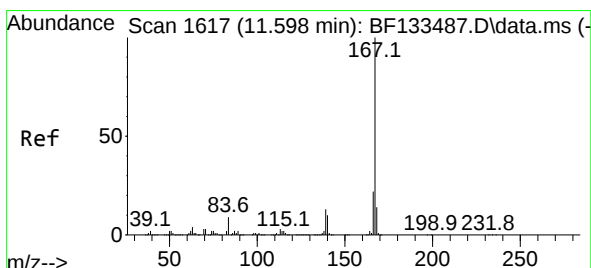
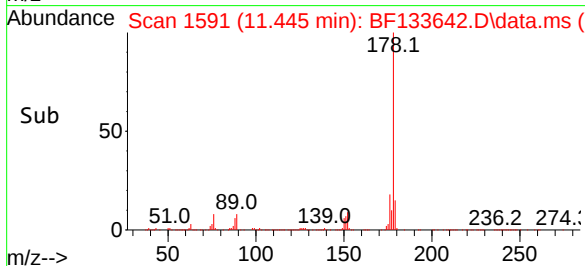
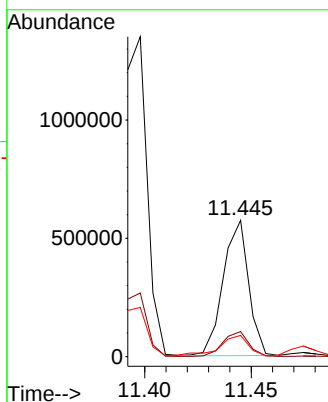
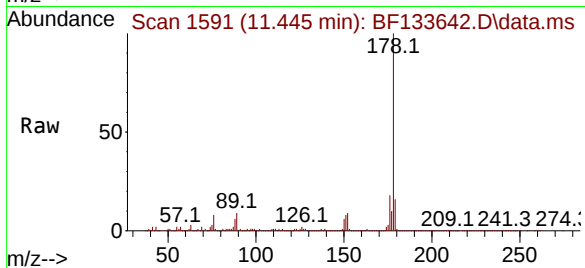
Tgt Ion:178 Resp: 475515

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

179 15.6 12.6 18.8



#73

Carbazole

Concen: 5.729 ng

RT: 11.592 min Scan# 1616

Delta R.T. -0.006 min

Lab File: BF133642.D

Acq: 08 Jun 2023 15:02

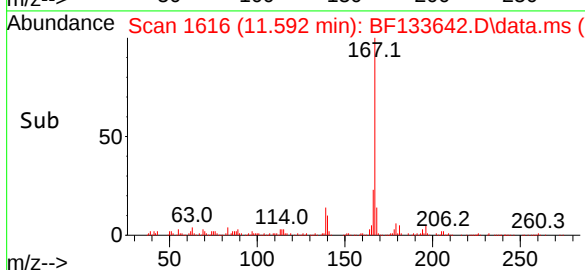
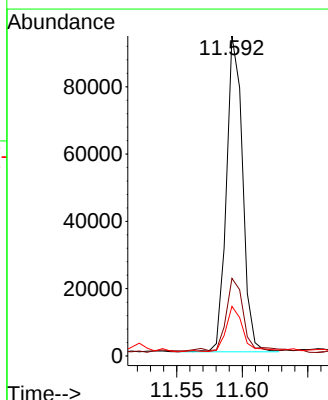
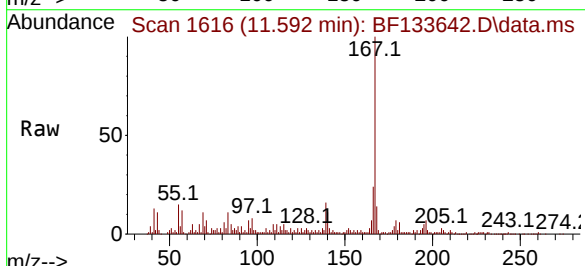
Tgt Ion:167 Resp: 80403

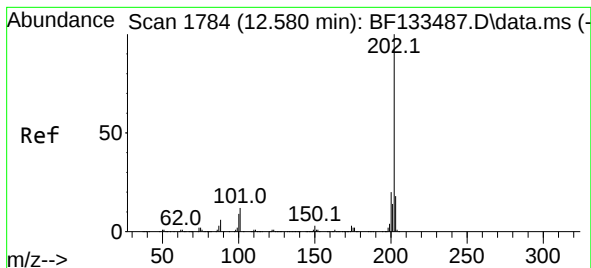
Ion Ratio Lower Upper

167 100

166 24.3 17.3 25.9

139 15.5 10.7 16.1





#75

Fluoranthene

Concen: 141.654 ng

RT: 12.598 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF133642.D

Acq: 08 Jun 2023 15:02

Instrument :

BNA\_F

ClientSampleId :

HR-03-060523

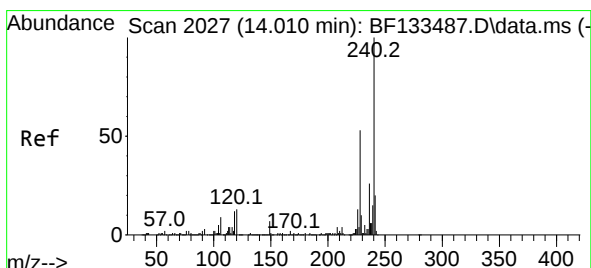
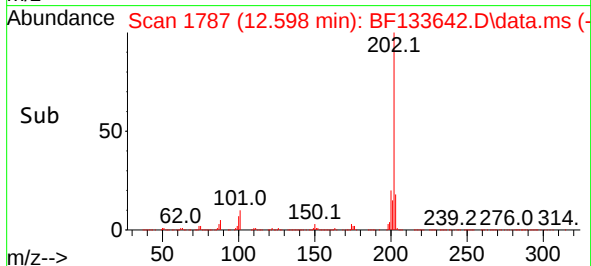
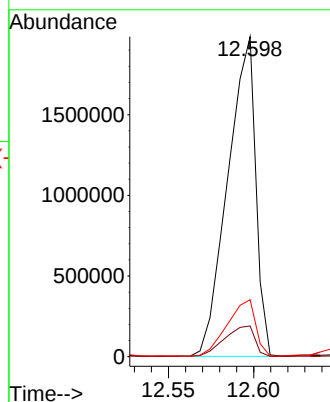
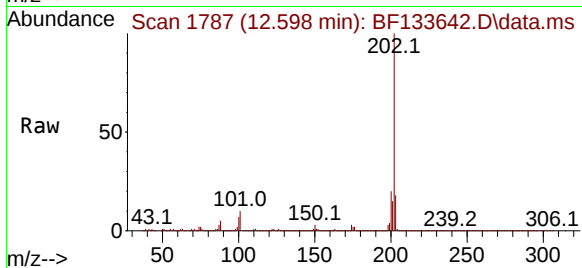
Tgt Ion:202 Resp: 2256121

Ion Ratio Lower Upper

202 100

101 9.6 0.0 32.2

203 17.8 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.021 min Scan# 2029

Delta R.T. 0.006 min

Lab File: BF133642.D

Acq: 08 Jun 2023 15:02

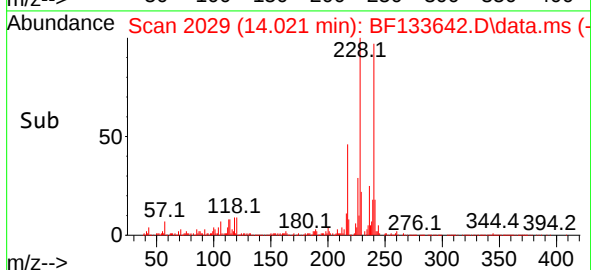
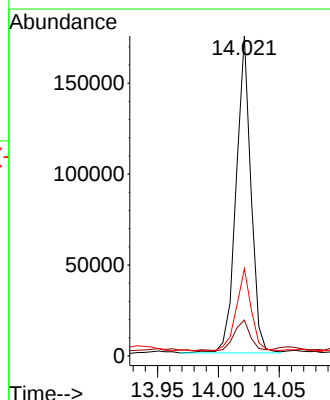
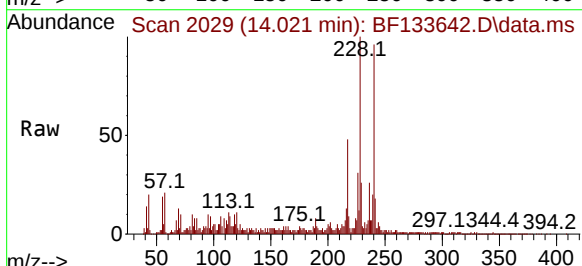
Tgt Ion:240 Resp: 147164

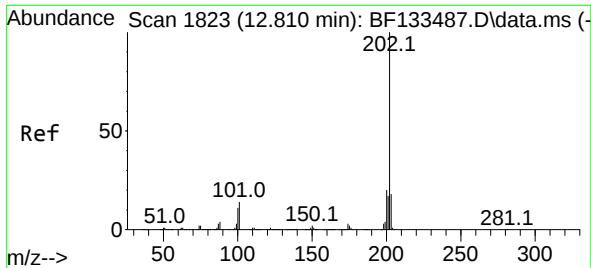
Ion Ratio Lower Upper

240 100

120 11.2 10.3 15.5

236 27.3 20.5 30.7

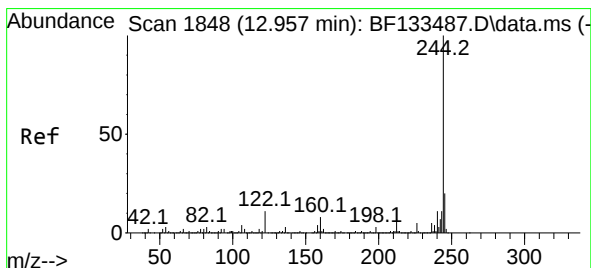
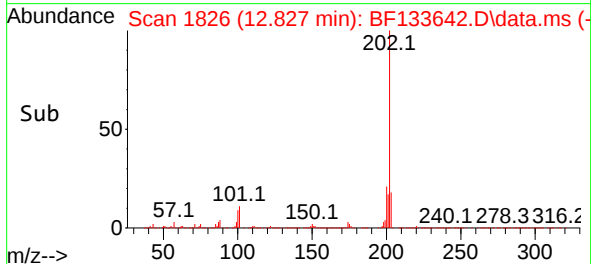
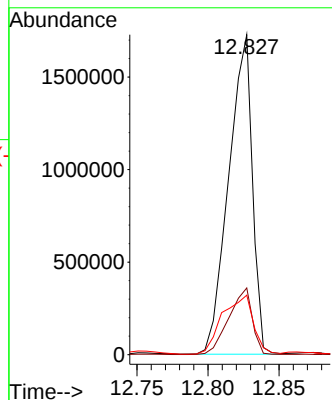
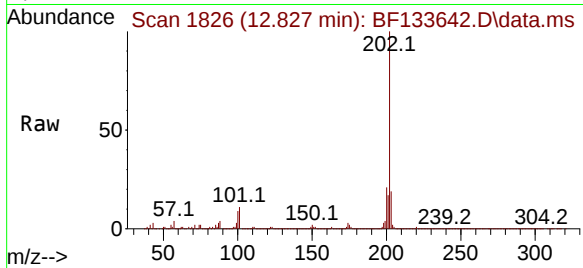




#78  
Pyrene  
Concen: 160.049 ng  
RT: 12.827 min Scan# 1826  
Delta R.T. 0.012 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

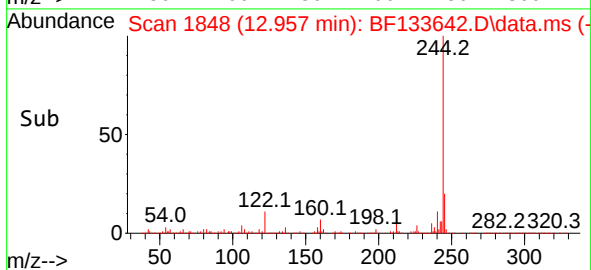
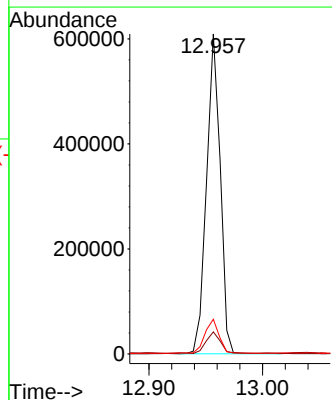
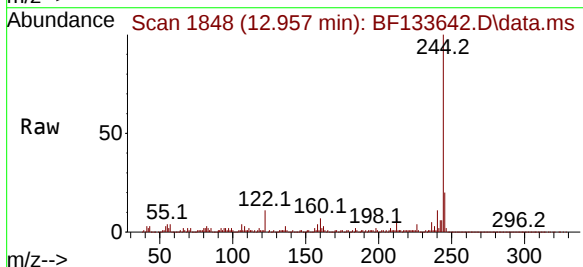
Instrument :  
BNA\_F  
ClientSampleId :  
HR-03-060523

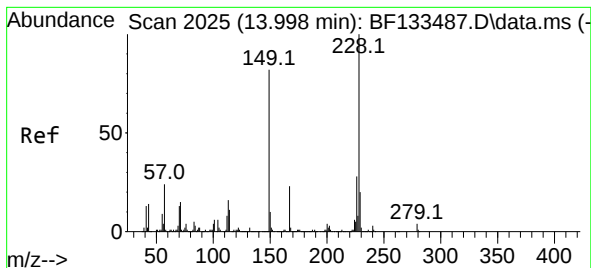
Tgt Ion:202 Resp: 2004300  
Ion Ratio Lower Upper  
202 100  
200 20.8 16.3 24.5  
203 18.6 14.3 21.5



#79  
Terphenyl-d14  
Concen: 61.396 ng  
RT: 12.957 min Scan# 1848  
Delta R.T. -0.000 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

Tgt Ion:244 Resp: 508178  
Ion Ratio Lower Upper  
244 100  
212 6.9 5.8 8.6  
122 10.8 8.5 12.7





#81

Benzo(a)anthracene

Concen: 86.980 ng

RT: 14.010 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF133642.D

Acq: 08 Jun 2023 15:02

Instrument :

BNA\_F

ClientSampleId :

HR-03-060523

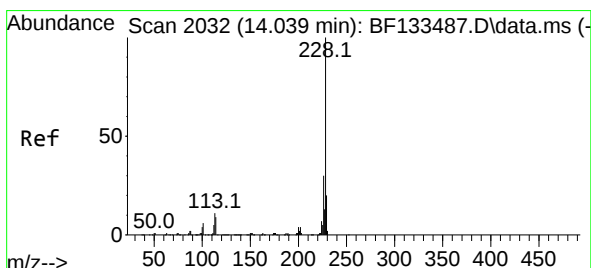
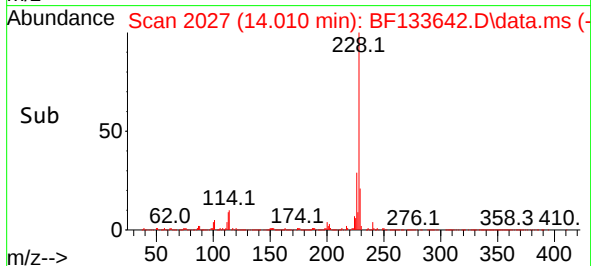
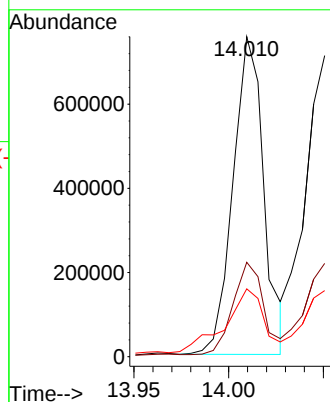
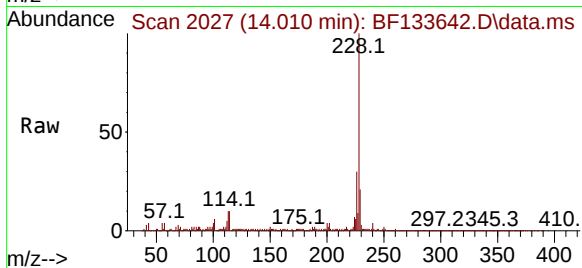
Tgt Ion:228 Resp: 852719

Ion Ratio Lower Upper

228 100

226 29.5 22.3 33.5

229 21.2 16.1 24.1



#83

Chrysene

Concen: 70.836 ng

RT: 14.051 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF133642.D

Acq: 08 Jun 2023 15:02

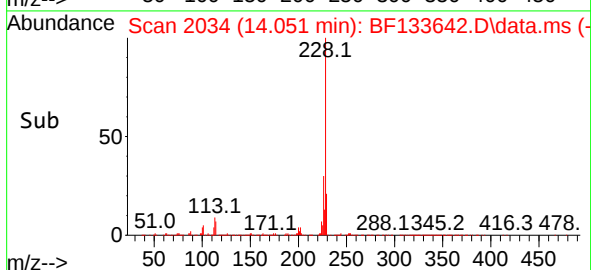
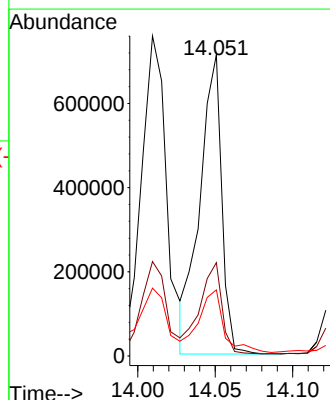
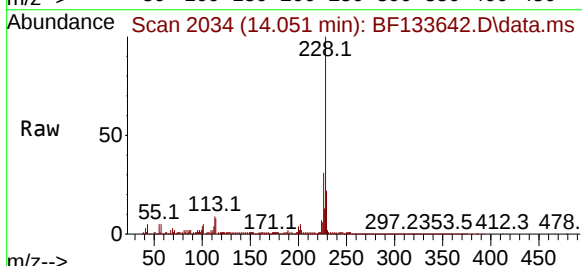
Tgt Ion:228 Resp: 701054

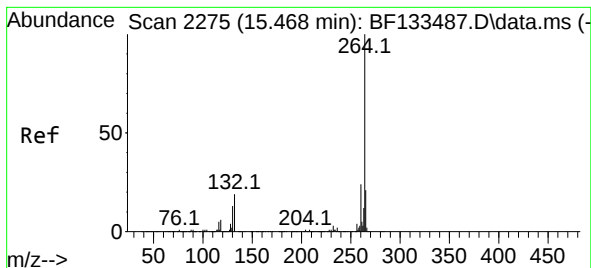
Ion Ratio Lower Upper

228 100

226 31.0 24.1 36.1

229 22.0 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF133642.D

Acq: 08 Jun 2023 15:02

Instrument :

BNA\_F

ClientSampleId :

HR-03-060523

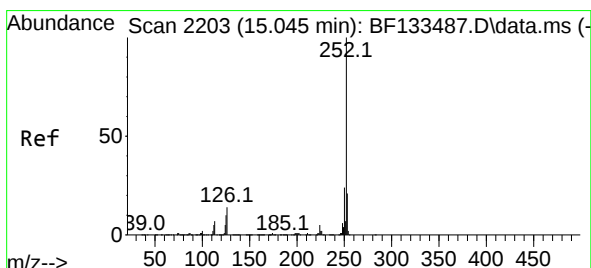
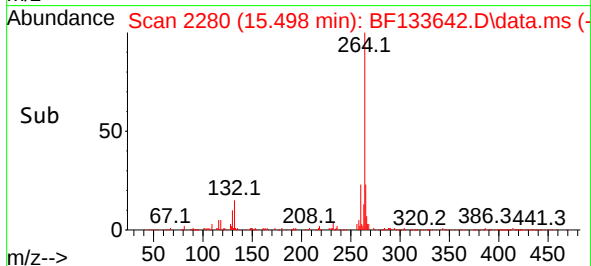
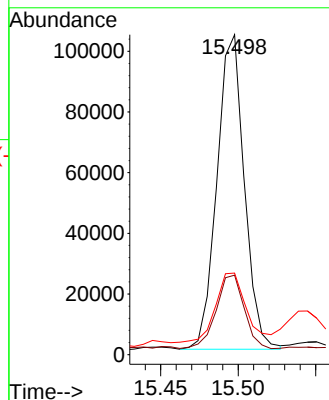
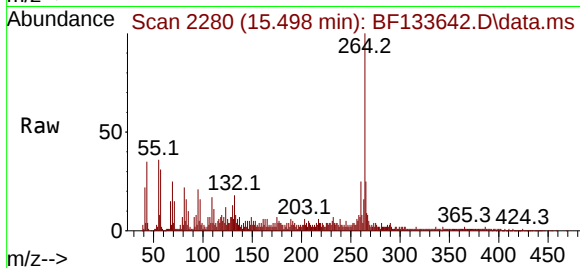
Tgt Ion:264 Resp: 127287

Ion Ratio Lower Upper

264 100

260 24.9 19.0 28.4

265 25.5 16.8 25.2#



#88

Benzo(b)fluoranthene

Concen: 130.267 ng

RT: 15.068 min Scan# 2207

Delta R.T. 0.018 min

Lab File: BF133642.D

Acq: 08 Jun 2023 15:02

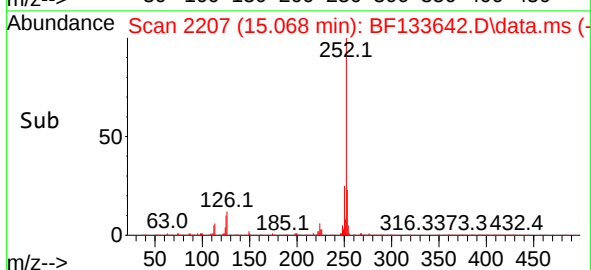
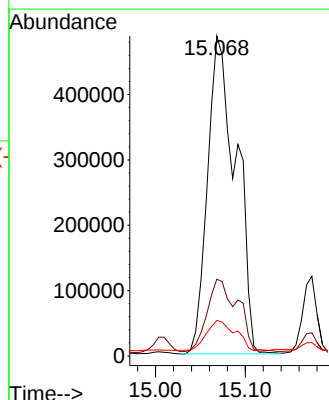
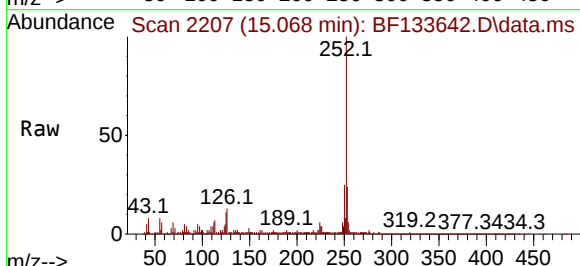
Tgt Ion:252 Resp: 1079728

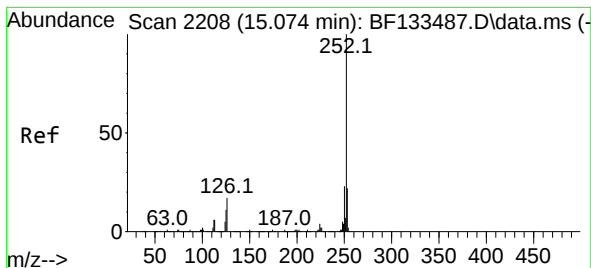
Ion Ratio Lower Upper

252 100

253 24.0 17.2 25.8

125 11.1 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 133.597 ng

RT: 15.068 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF133642.D

Acq: 08 Jun 2023 15:02

Instrument :

BNA\_F

ClientSampleId :

HR-03-060523

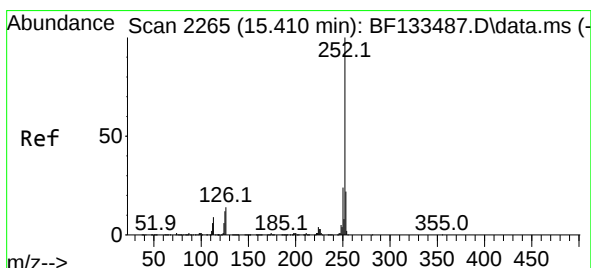
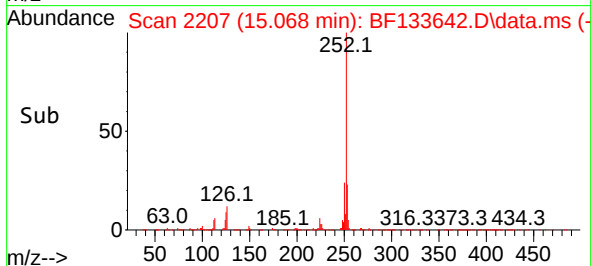
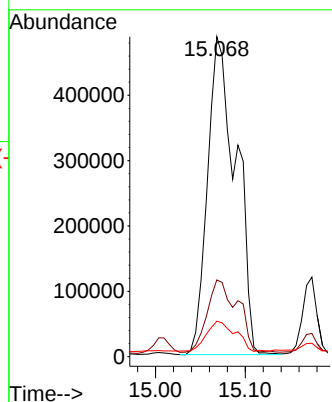
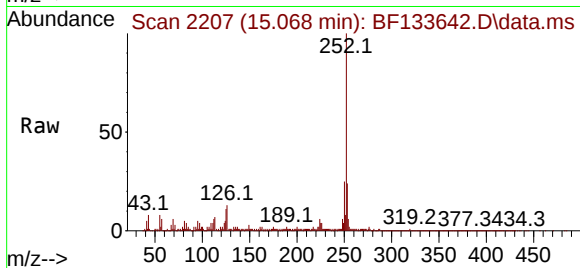
Tgt Ion:252 Resp: 1079728

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.2

125 11.1 8.3 12.5



#90

Benzo(a)pyrene

Concen: 80.584 ng

RT: 15.439 min Scan# 2270

Delta R.T. 0.024 min

Lab File: BF133642.D

Acq: 08 Jun 2023 15:02

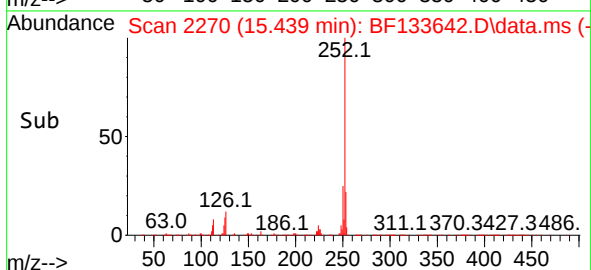
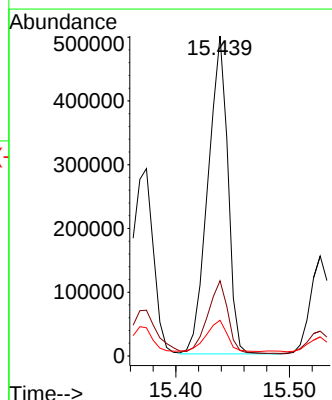
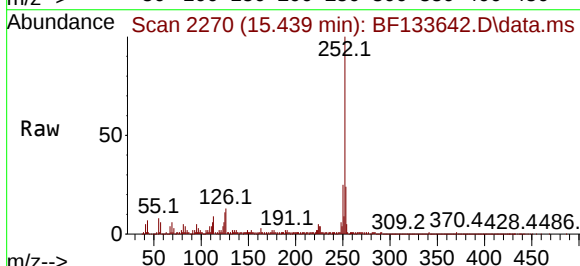
Tgt Ion:252 Resp: 607772

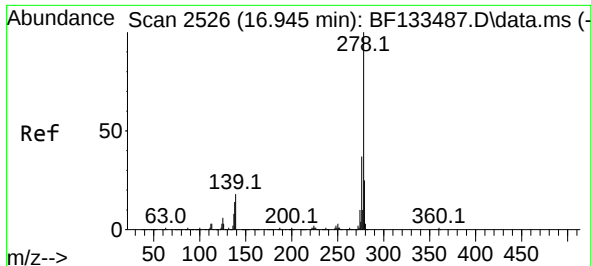
Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

125 11.2 9.4 14.0

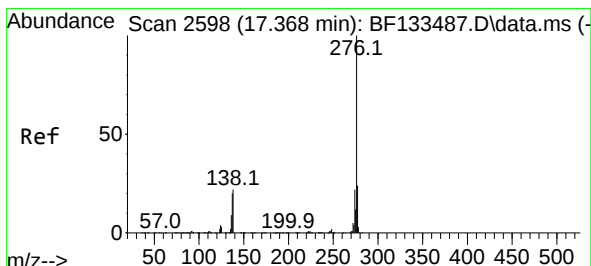
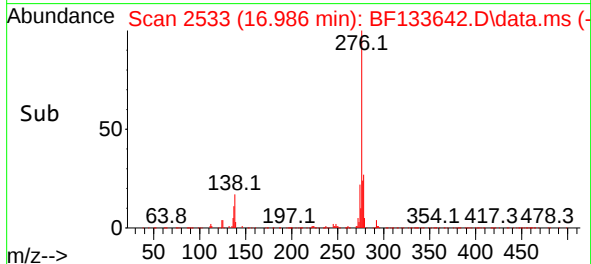
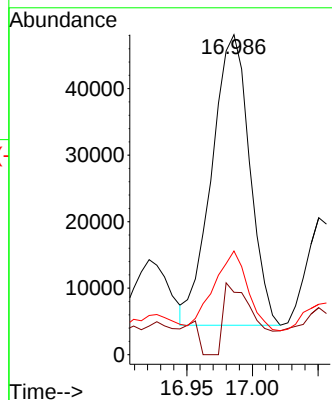
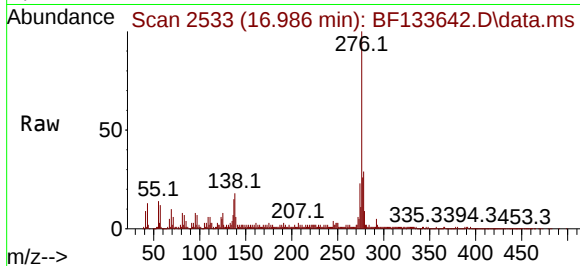




#91  
Dibenzo(a,h)anthracene  
Concen: 13.377 ng  
RT: 16.986 min Scan# 21  
Delta R.T. 0.018 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

Instrument :  
BNA\_F  
ClientSampleId :  
HR-03-060523

Tgt Ion:278 Resp: 87939  
Ion Ratio Lower Upper  
278 100  
139 19.5 14.1 21.1  
279 32.4 19.7 29.5#



#92  
Benzo(g,h,i)perylene  
Concen: 58.776 ng  
RT: 17.427 min Scan# 2608  
Delta R.T. 0.035 min  
Lab File: BF133642.D  
Acq: 08 Jun 2023 15:02

Tgt Ion:276 Resp: 389596  
Ion Ratio Lower Upper  
276 100  
277 24.4 18.8 28.2  
138 19.7 17.8 26.6

