

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF053023\  
 Data File : BF133526.D  
 Acq On : 30 May 2023 17:19  
 Operator : CG\JU  
 Sample : 02955-11  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB21

Quant Time: May 30 17:51:45 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 30 12:58:40 2023  
 Response via : Initial Calibration

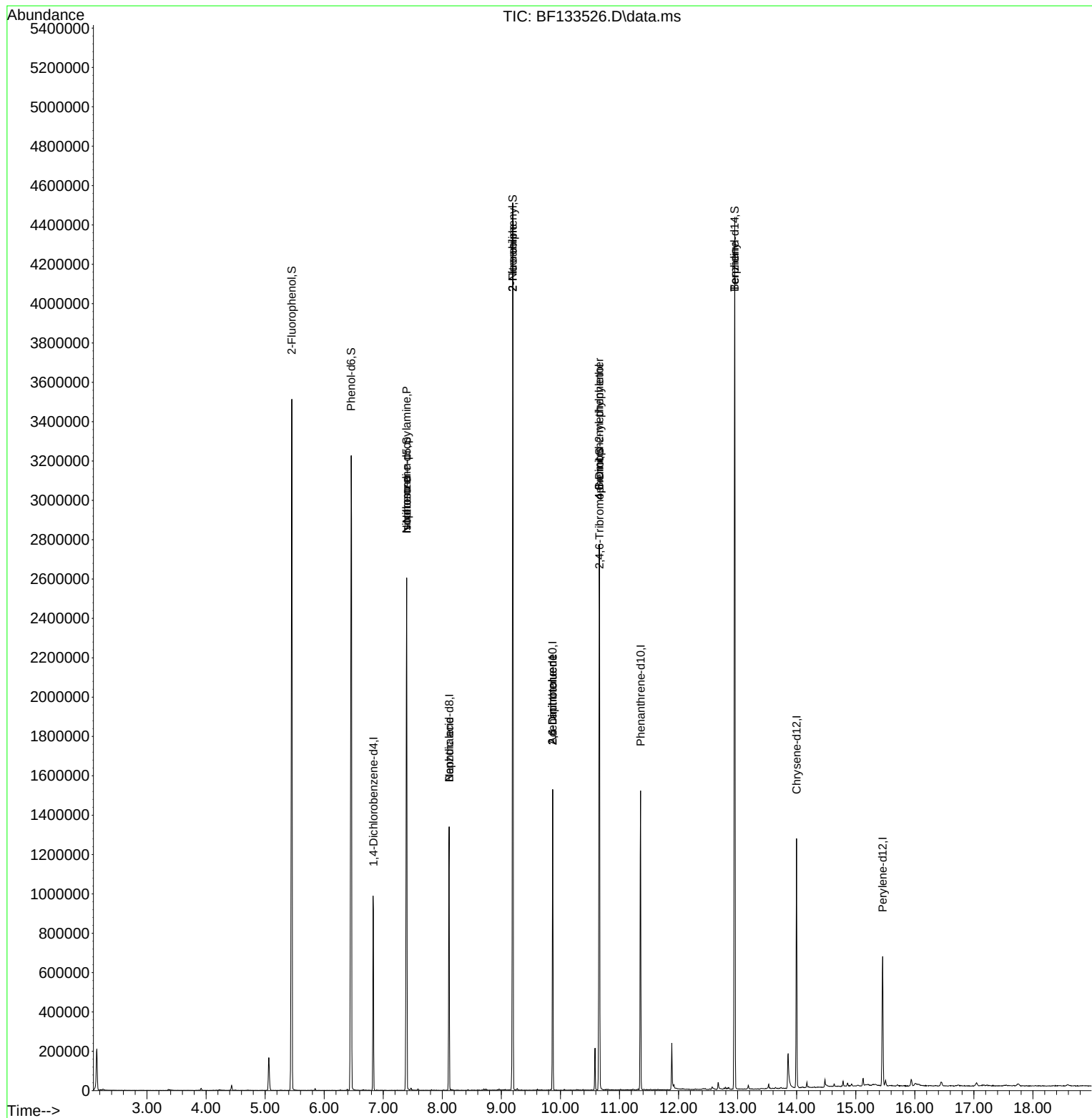
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.833  | 152  | 142318   | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.116  | 136  | 547409   | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.869  | 164  | 267009   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.357 | 188  | 524943   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 13.998 | 240  | 385930   | 20.000    | ng     | 0.00     |
| 86) Perylene-d12              | 15.456 | 264  | 291307   | 20.000    | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.451  | 112  | 1023842  | 120.030   | ng     | 0.01     |
| 7) Phenol-d6                  | 6.457  | 99   | 1262735  | 120.256   | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.398  | 82   | 801603   | 97.773    | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.663 | 330  | 359302   | 134.995   | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.192  | 172  | 1402613  | 81.078    | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 1653032  | 76.155    | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.457  | 77   | 1851     | Below Cal | #      | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.398  | 70   | 110240   | 16.226    | ng     | # 77     |
| 25) Isophorone                | 7.398  | 82   | 799219   | 41.827    | ng     | # 65     |
| 32) Benzoic acid              | 8.116  | 122  | 56       | 7.358     | ng     | # 1      |
| 48) 2-Nitroaniline            | 9.192  | 65   | 2745     | 4.489     | ng     | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.869  | 165  | 33824    | 12.435    | ng     | # 18     |
| 57) 2,4-Dinitrotoluene        | 9.869  | 165  | 33824    | 11.628    | ng     | # 15     |
| 65) 4,6-Dinitro-2-methylph... | 10.657 | 198  | 772      | 9.006     | ng     | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.657 | 248  | 22515    | 4.039     | ng     | # 1      |
| 77) Benzidine                 | 12.951 | 184  | 23206    | 2.056     | ng     | # 94     |
| -----                         |        |      |          |           |        |          |

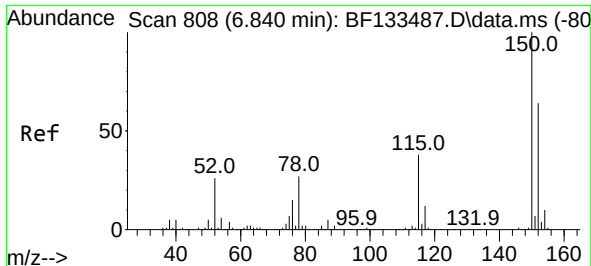
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF053023\  
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ALS Vial : 12 Sample Multiplier: 1

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Quant Time: May 30 17:51:45 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue May 30 12:58:40 2023  
Response via : Initial Calibration

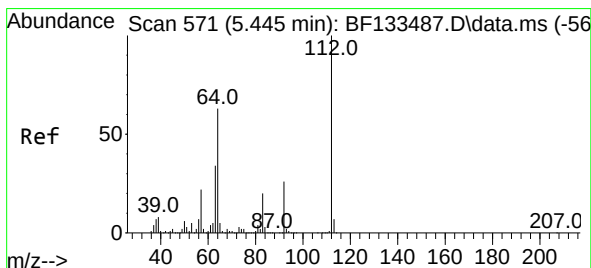
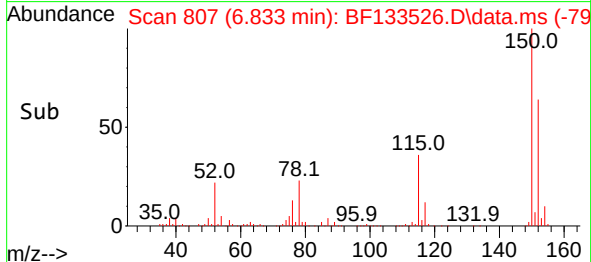
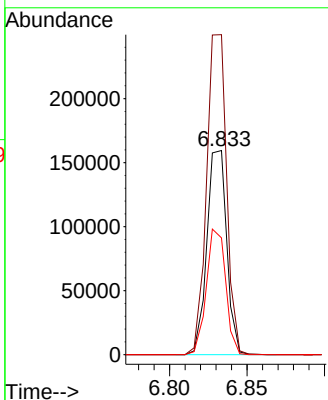
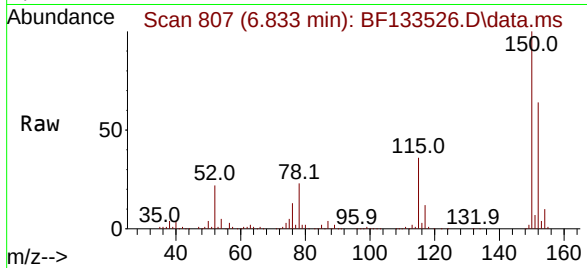




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.833 min Scan# 80  
 Delta R.T. -0.001 min  
 Lab File: BF133526.D  
 Acq: 30 May 2023 17:19

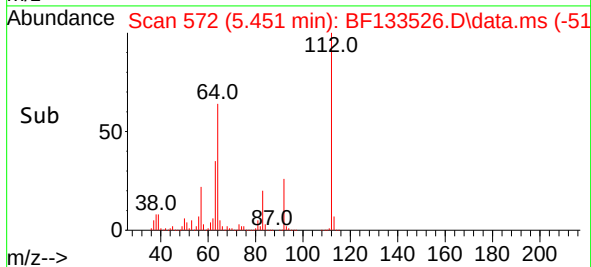
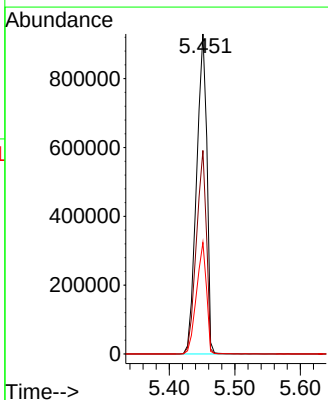
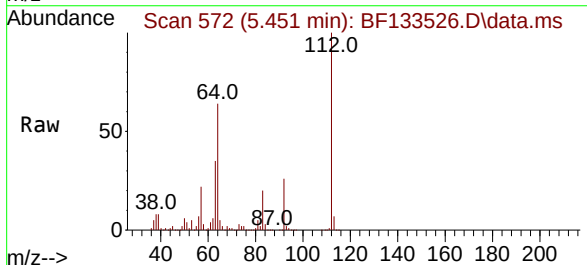
Instrument :  
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 SB21

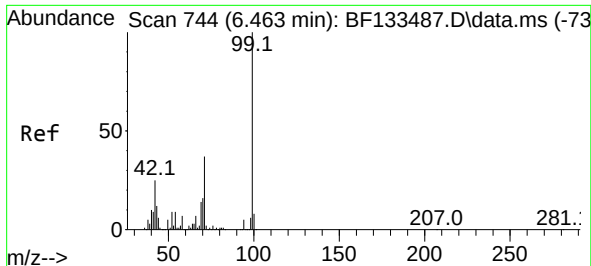
Tgt Ion:152 Resp: 142318  
 Ion Ratio Lower Upper  
 152 100  
 150 156.7 124.9 187.3  
 115 57.2 48.1 72.1



#5  
 2-Fluorophenol  
 Concen: 120.030 ng  
 RT: 5.451 min Scan# 572  
 Delta R.T. 0.011 min  
 Lab File: BF133526.D  
 Acq: 30 May 2023 17:19

Tgt Ion:112 Resp: 1023842  
 Ion Ratio Lower Upper  
 112 100  
 64 63.6 50.1 75.1  
 63 34.8 27.5 41.3



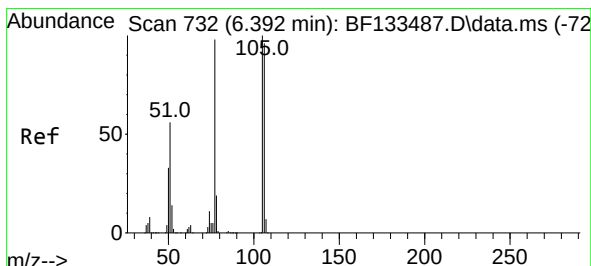
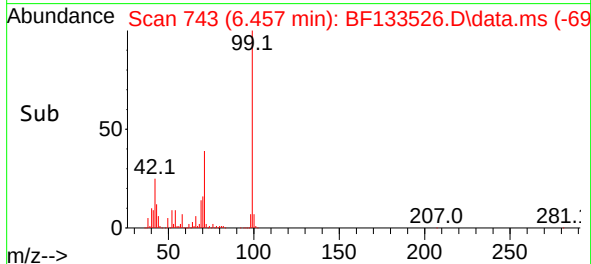
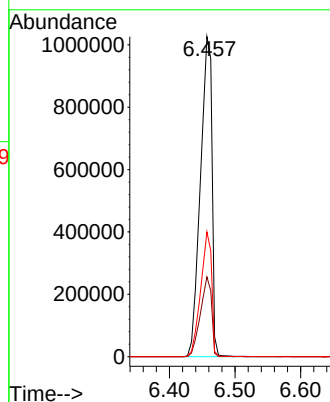
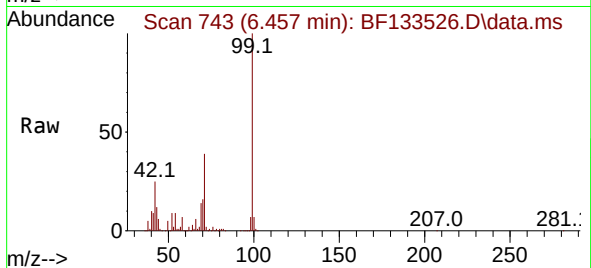


#7  
Phenol-d6  
Concen: 120.256 ng  
RT: 6.457 min Scan# 744  
Delta R.T. -0.006 min  
Lab File: BF133526.D  
Acq: 30 May 2023 17:19

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 99 Resp: 1262735

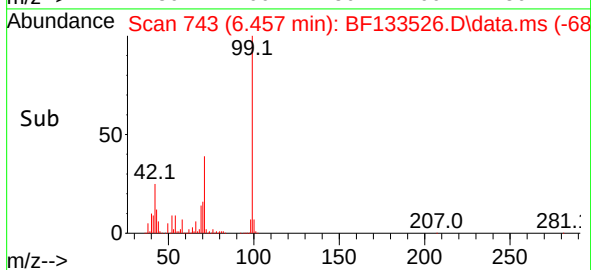
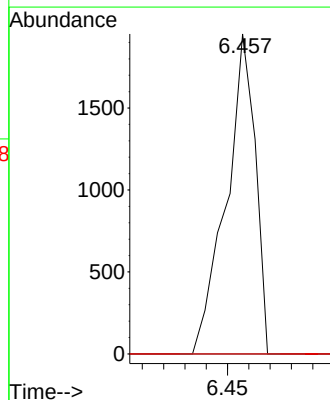
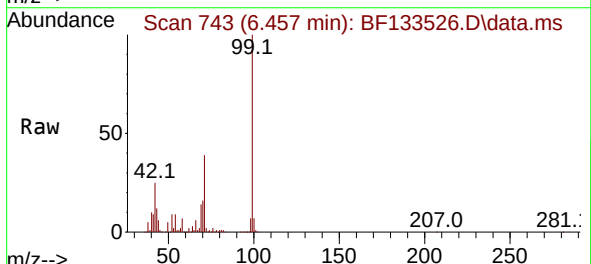
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 24.9  | 19.7  | 29.5  |
| 71  | 39.0  | 29.8  | 44.8  |

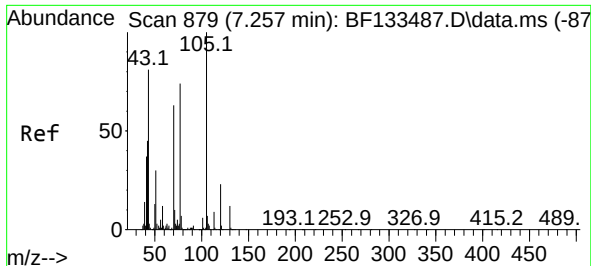


#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.457 min Scan# 743  
Delta R.T. 0.070 min  
Lab File: BF133526.D  
Acq: 30 May 2023 17:19

Tgt Ion: 77 Resp: 1851

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 77  | 100   |       |        |
| 105 | 0.0   | 81.9  | 121.9# |
| 106 | 0.0   | 77.8  | 117.8# |

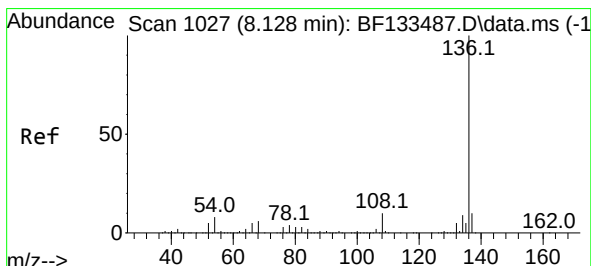
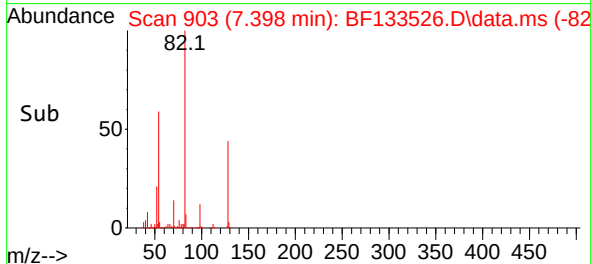
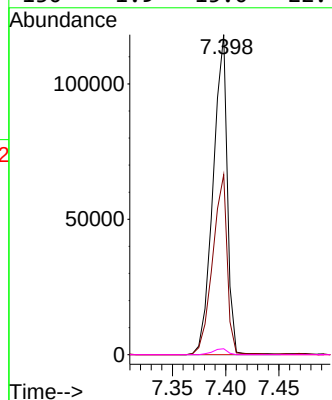
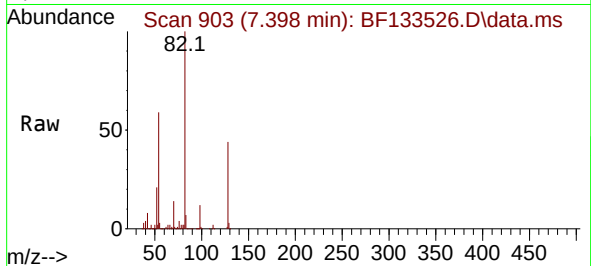




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.226 ng  
RT: 7.398 min Scan# 90  
Delta R.T. 0.147 min  
Lab File: BF133526.D  
Acq: 30 May 2023 17:19

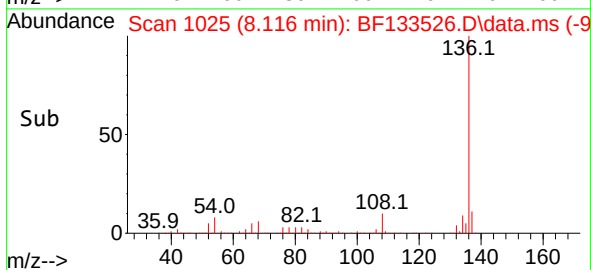
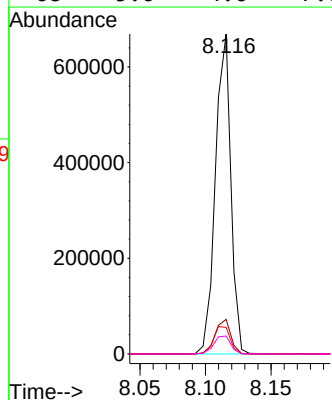
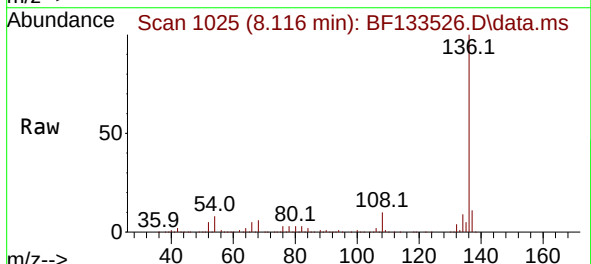
Instrument :  
BNA\_F  
ClientSampleId :  
SB21

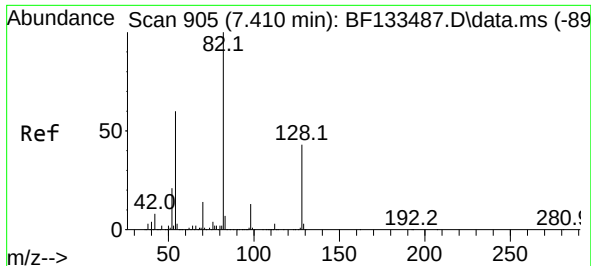
Tgt Ion: 70 Resp: 110240  
Ion Ratio Lower Upper  
70 100  
42 56.3 57.2 85.8#  
101 0.0 7.3 10.9#  
130 1.9 15.0 22.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.116 min Scan# 1025  
Delta R.T. -0.000 min  
Lab File: BF133526.D  
Acq: 30 May 2023 17:19

Tgt Ion: 136 Resp: 547409  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.2 12.4  
54 8.3 6.6 10.0  
68 5.6 4.6 7.0





#23

Nitrobenzene-d5

Concen: 97.773 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133526.D

Acq: 30 May 2023 17:19

Instrument :

BNA\_F

ClientSampleId :

SB21

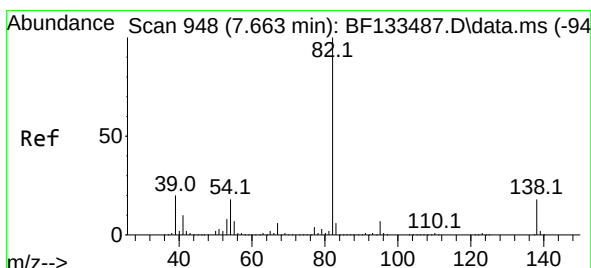
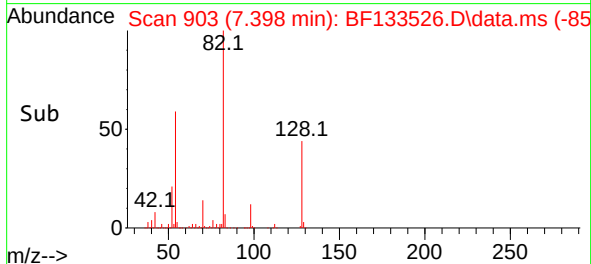
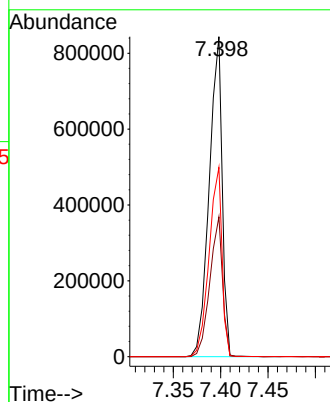
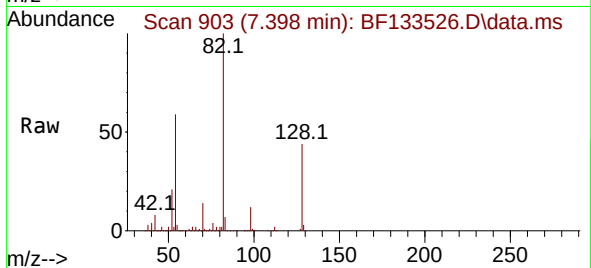
Tgt Ion: 82 Resp: 801603

Ion Ratio Lower Upper

82 100

128 43.7 34.2 51.4

54 59.1 48.2 72.4



#25

Isophorone

Concen: 41.827 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133526.D

Acq: 30 May 2023 17:19

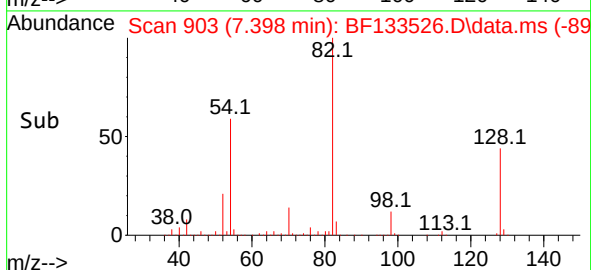
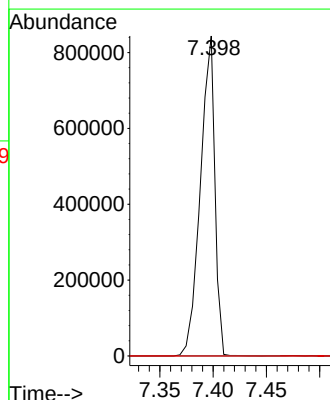
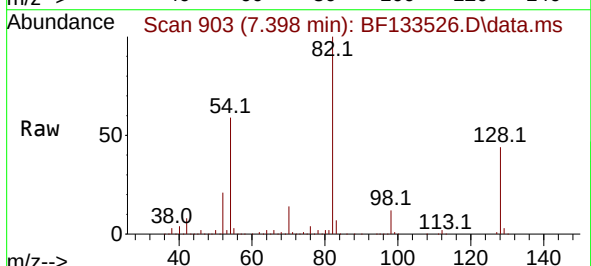
Tgt Ion: 82 Resp: 799219

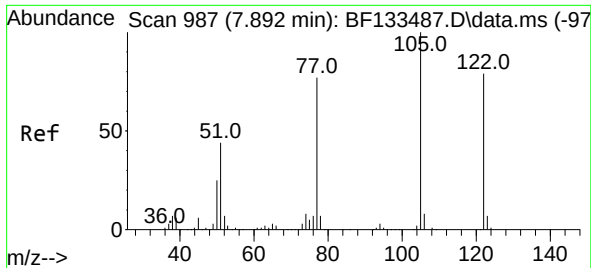
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

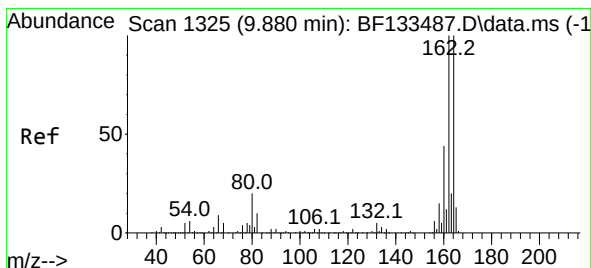
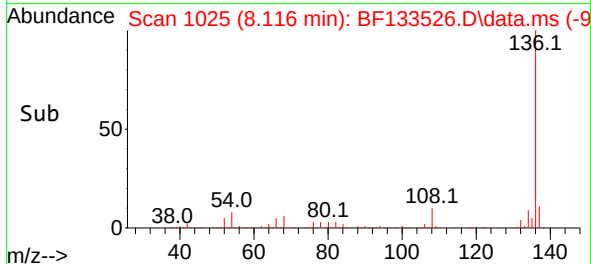
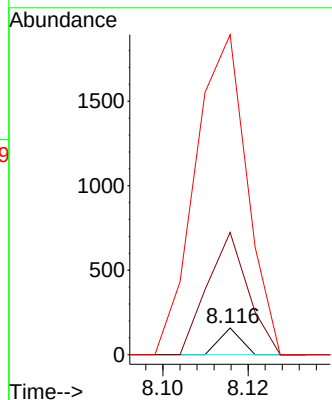
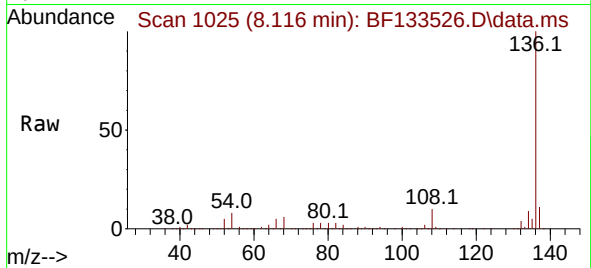




#32  
Benzoic acid  
Concen: 7.358 ng  
RT: 8.116 min Scan# 1025  
Delta R.T. 0.235 min  
Lab File: BF133526.D  
Acq: 30 May 2023 17:19

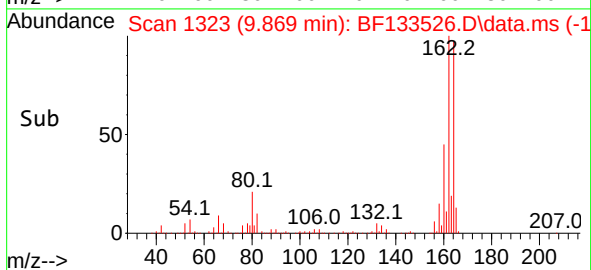
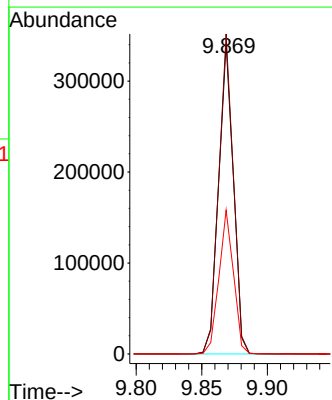
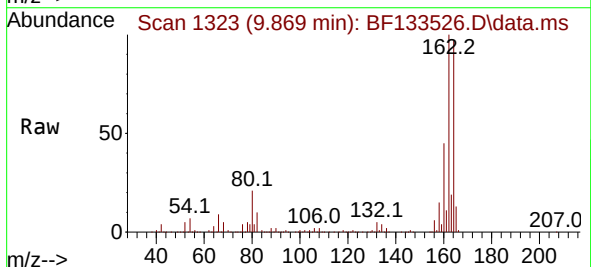
Instrument :  
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SB21

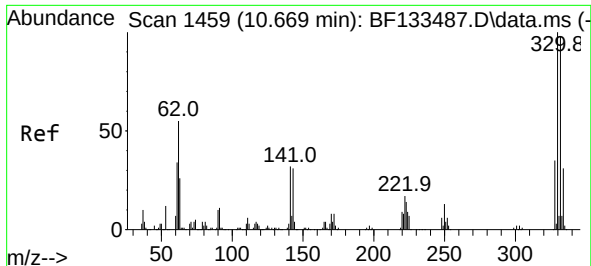
Tgt Ion:122 Resp: 56  
Ion Ratio Lower Upper  
122 100  
105 457.6 103.3 143.3#  
77 1198.7 75.7 115.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.869 min Scan# 1323  
Delta R.T. -0.006 min  
Lab File: BF133526.D  
Acq: 30 May 2023 17:19

Tgt Ion:164 Resp: 267009  
Ion Ratio Lower Upper  
164 100  
162 103.1 79.7 119.5  
160 46.3 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 134.995 ng

RT: 10.663 min Scan# 1459

Delta R.T. -0.000 min

Lab File: BF133526.D

Acq: 30 May 2023 17:19

Instrument :

BNA\_F

ClientSampleId :

SB21

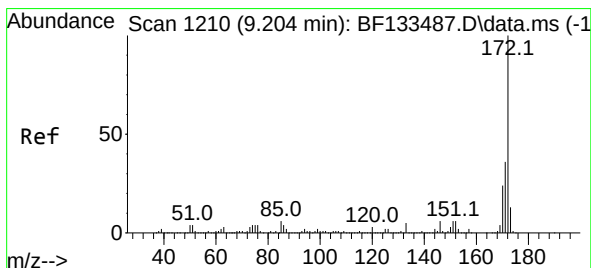
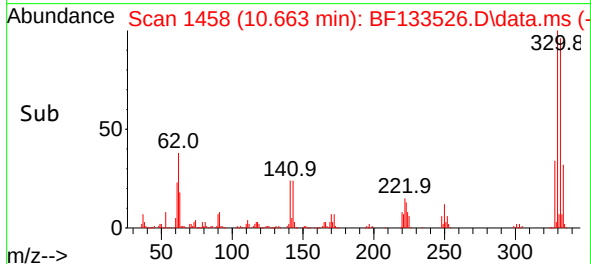
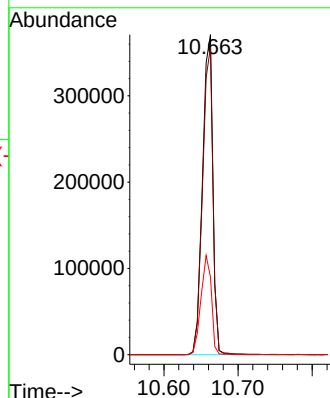
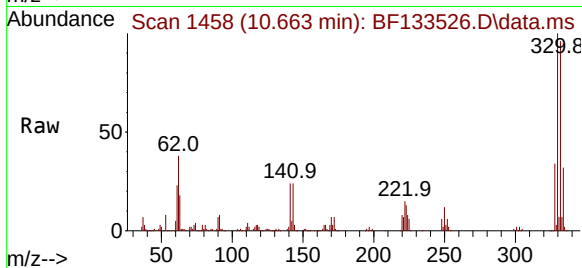
Tgt Ion:330 Resp: 359302

Ion Ratio Lower Upper

330 100

332 95.9 77.8 116.6

141 31.2 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 81.078 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133526.D

Acq: 30 May 2023 17:19

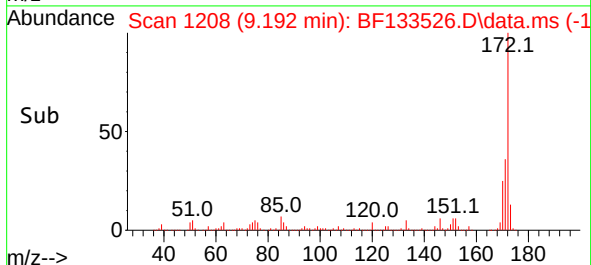
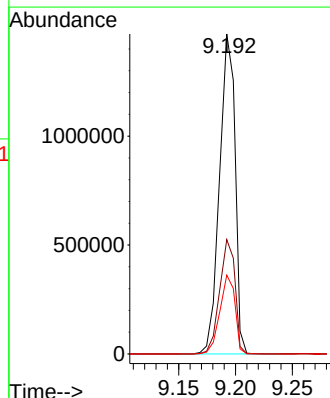
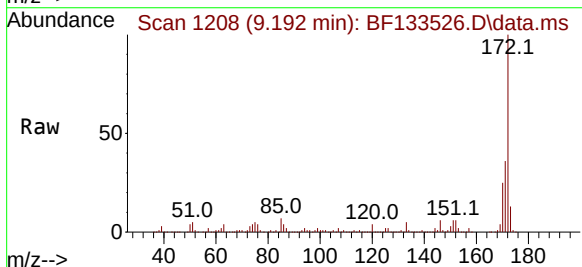
Tgt Ion:172 Resp: 1402613

Ion Ratio Lower Upper

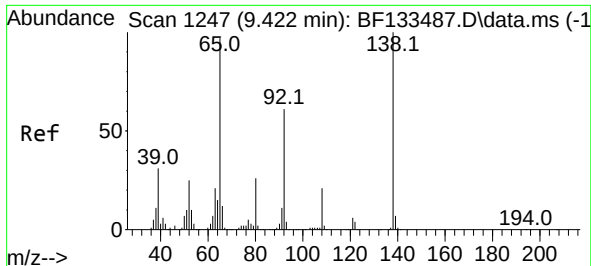
172 100

171 35.8 28.4 42.6

170 24.6 19.3 28.9



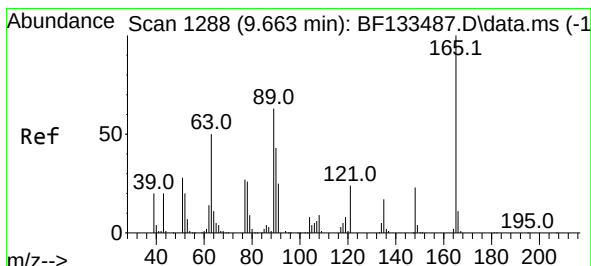
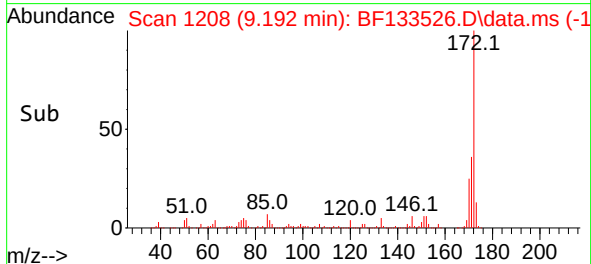
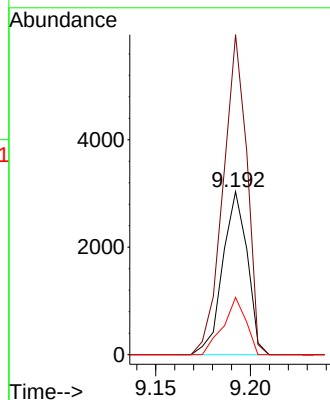
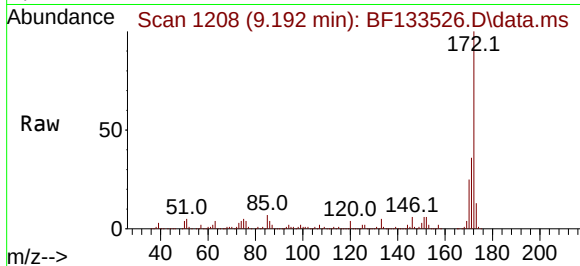




#48  
2-Nitroaniline  
Concen: 4.489 ng  
RT: 9.192 min Scan# 11  
Delta R.T. -0.224 min  
Lab File: BF133526.D  
Acq: 30 May 2023 17:19

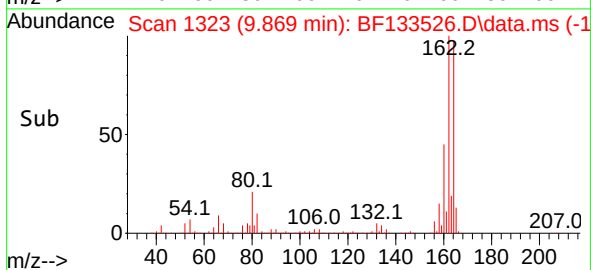
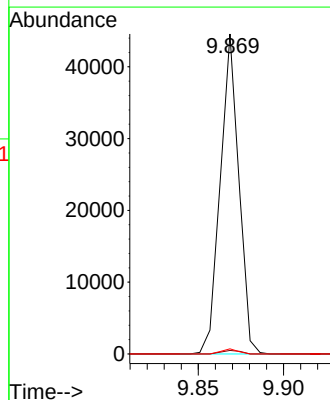
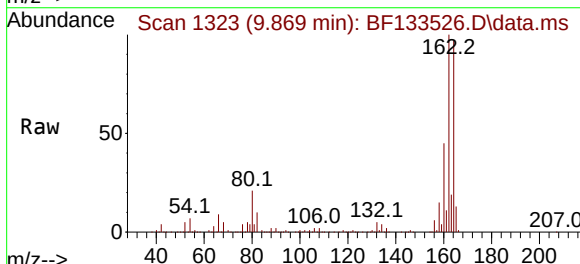
Instrument :  
BNA\_F  
ClientSampleId :  
SB21

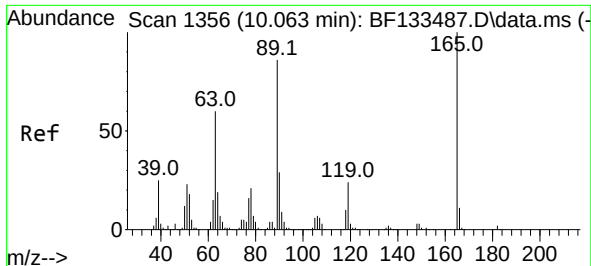
Tgt Ion: 65 Resp: 2745  
Ion Ratio Lower Upper  
65 100  
92 196.2 50.8 76.2#  
138 35.1 82.6 124.0#



#51  
2,6-Dinitrotoluene  
Concen: 12.435 ng  
RT: 9.869 min Scan# 1323  
Delta R.T. 0.211 min  
Lab File: BF133526.D  
Acq: 30 May 2023 17:19

Tgt Ion: 165 Resp: 33824  
Ion Ratio Lower Upper  
165 100  
63 1.1 57.0 85.4#  
89 1.6 50.8 76.2#

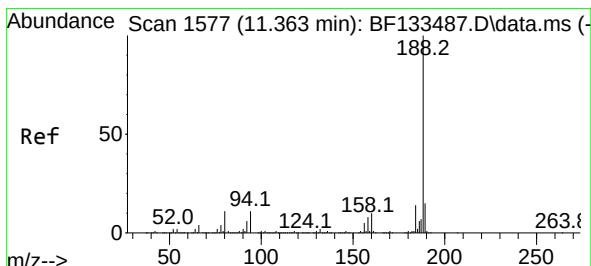
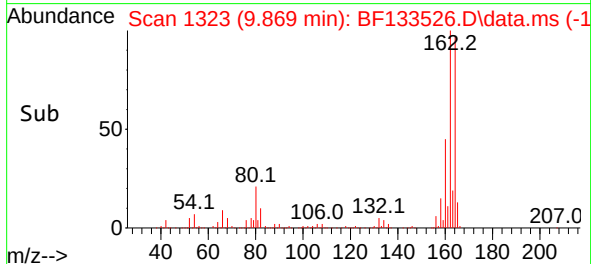
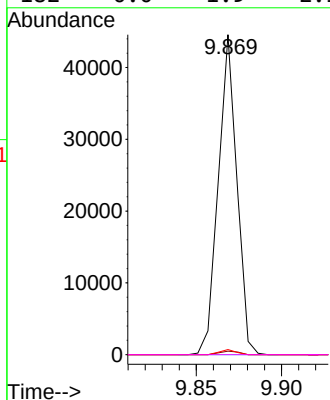
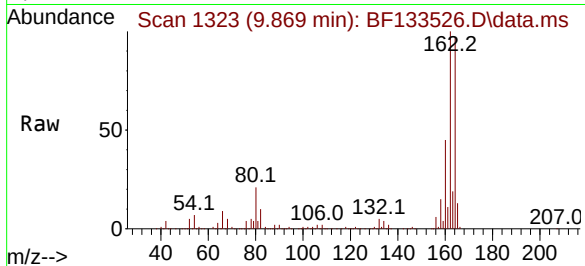




#57  
2,4-Dinitrotoluene  
Concen: 11.628 ng  
RT: 9.869 min Scan# 11  
Delta R.T. -0.194 min  
Lab File: BF133526.D  
Acq: 30 May 2023 17:19

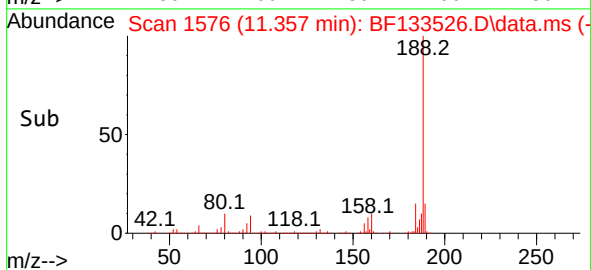
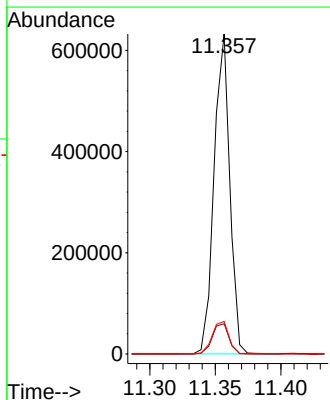
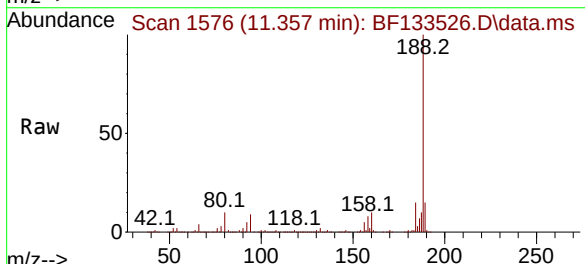
Instrument :  
BNA\_F  
ClientSampleId :  
SB21

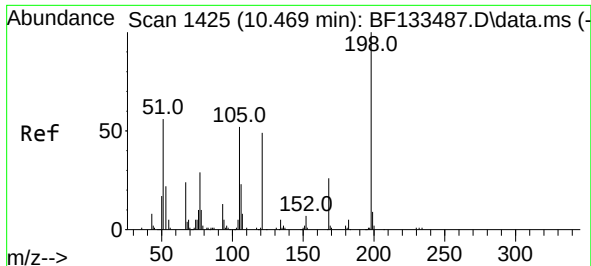
Tgt Ion:165 Resp: 33824  
Ion Ratio Lower Upper  
165 100  
63 1.1 48.1 72.1#  
89 1.6 68.4 102.6#  
182 0.0 1.9 2.9#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.357 min Scan# 1576  
Delta R.T. -0.006 min  
Lab File: BF133526.D  
Acq: 30 May 2023 17:19

Tgt Ion:188 Resp: 524943  
Ion Ratio Lower Upper  
188 100  
94 9.4 8.6 12.8  
80 10.2 9.2 13.8





#65

4,6-Dinitro-2-methylphenol

Concen: 9.006 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.188 min

Lab File: BF133526.D

Acq: 30 May 2023 17:19

Instrument :

BNA\_F

ClientSampleId :

SB21

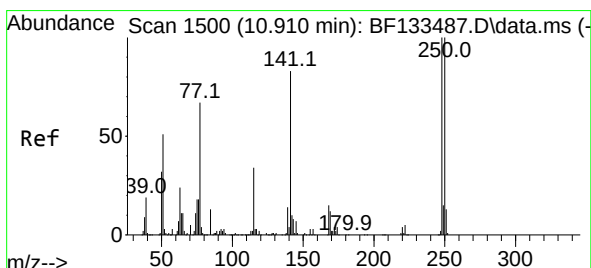
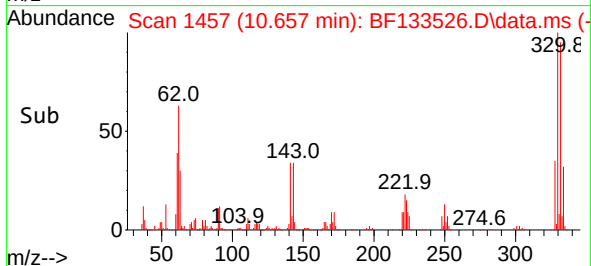
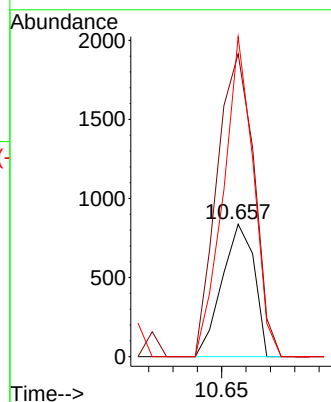
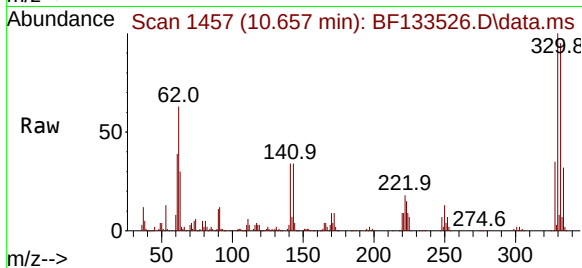
Tgt Ion:198 Resp: 772

Ion Ratio Lower Upper

198 100

51 228.8 53.6 93.6#

105 241.7 35.9 75.9#



#67

4-Bromophenyl-phenylether

Concen: 4.039 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.247 min

Lab File: BF133526.D

Acq: 30 May 2023 17:19

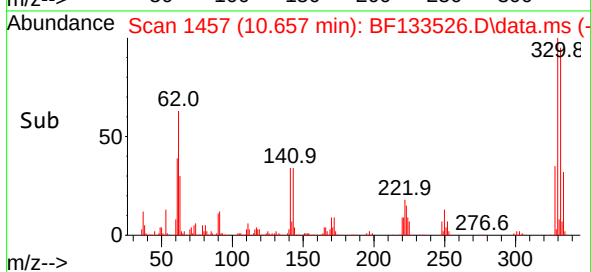
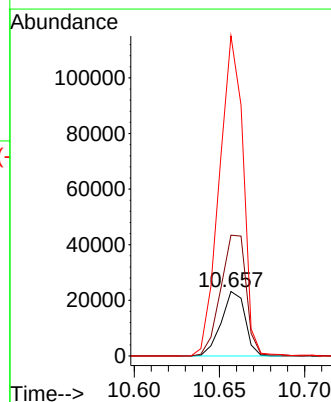
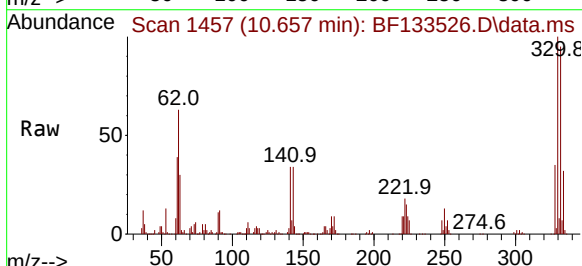
Tgt Ion:248 Resp: 22515

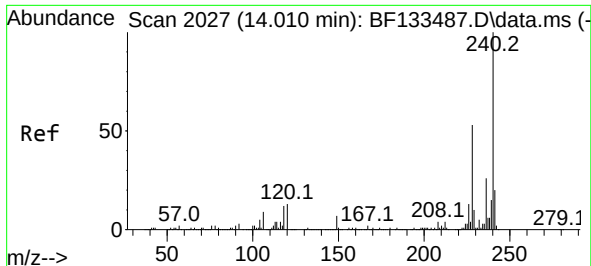
Ion Ratio Lower Upper

248 100

250 187.5 79.7 119.5#

141 496.4 66.6 100.0#

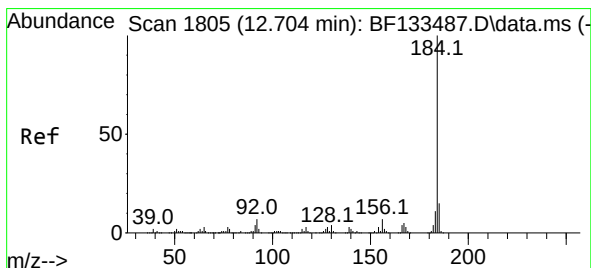
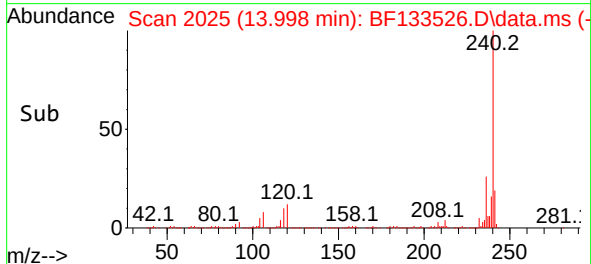
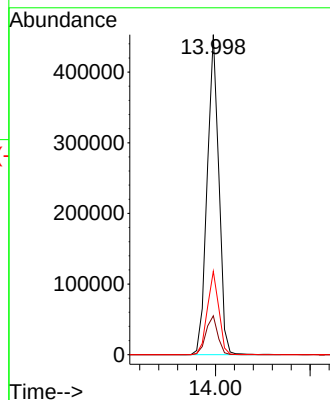
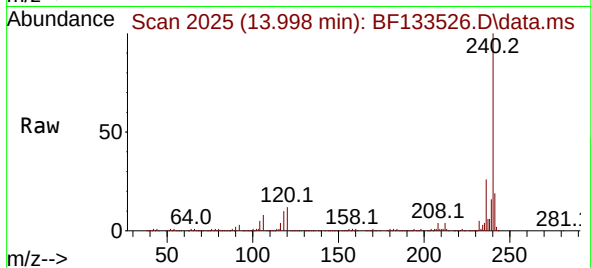




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.998 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: BF133526.D  
Acq: 30 May 2023 17:19

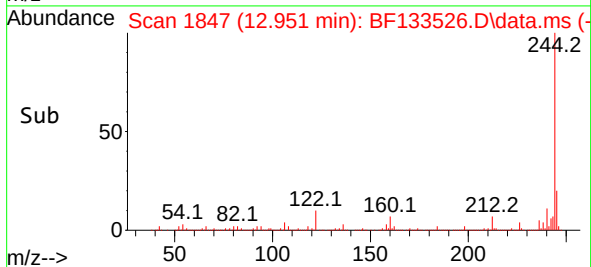
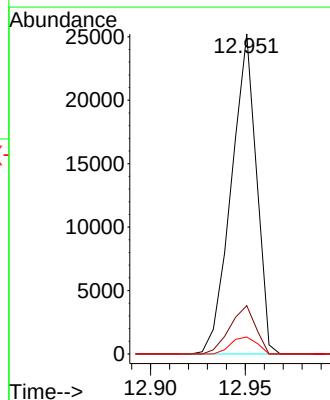
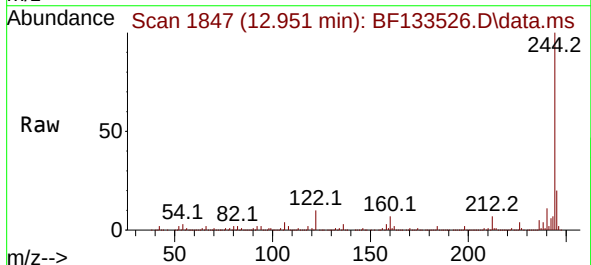
Instrument :  
BNA\_F  
ClientSampleId :  
SB21

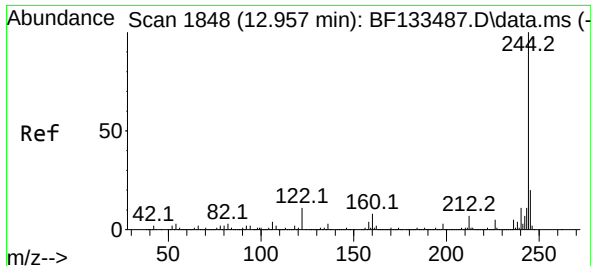
Tgt Ion:240 Resp: 385930  
Ion Ratio Lower Upper  
240 100  
120 12.2 10.3 15.5  
236 26.1 20.5 30.7



#77  
Benzidine  
Concen: 2.056 ng  
RT: 12.951 min Scan# 1847  
Delta R.T. 0.253 min  
Lab File: BF133526.D  
Acq: 30 May 2023 17:19

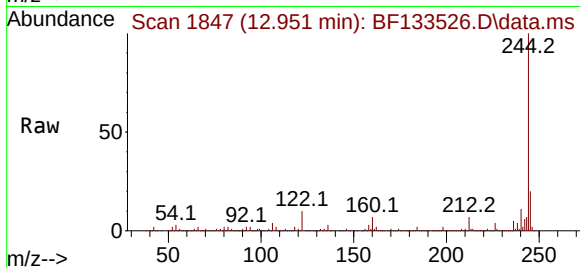
Tgt Ion:184 Resp: 23206  
Ion Ratio Lower Upper  
184 100  
185 15.1 12.2 18.2  
183 5.3 8.7 13.1#



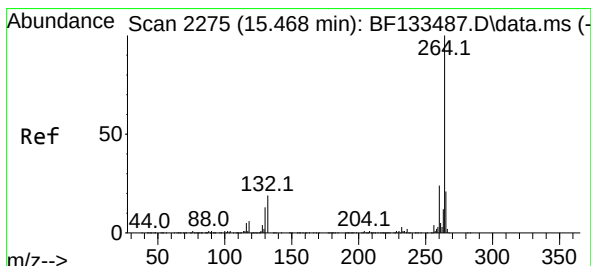
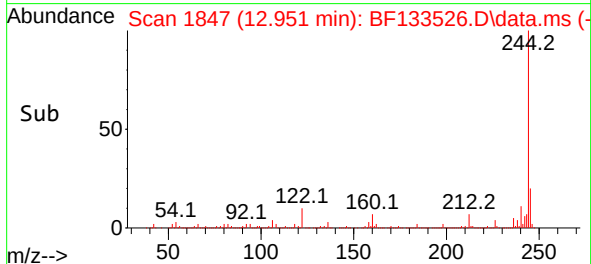
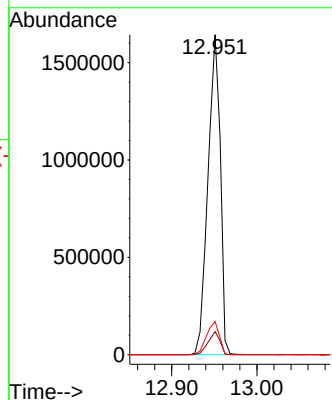


#79  
 Terphenyl-d14  
 Concen: 76.155 ng  
 RT: 12.951 min Scan# 1847  
 Delta R.T. -0.000 min  
 Lab File: BF133526.D  
 Acq: 30 May 2023 17:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB21



Tgt Ion:244 Resp: 1653032  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.8 8.6  
 122 10.4 8.5 12.7



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.456 min Scan# 2273  
 Delta R.T. -0.000 min  
 Lab File: BF133526.D  
 Acq: 30 May 2023 17:19

Tgt Ion:264 Resp: 291307  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 19.0 28.4  
 265 21.1 16.8 25.2

