

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020524\  
 Data File : BF137280.D  
 Acq On : 05 Feb 2024 17:22  
 Operator : CG\JU  
 Sample : P1358-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 05 17:51:28 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 31 04:56:22 2024  
 Response via : Initial Calibration

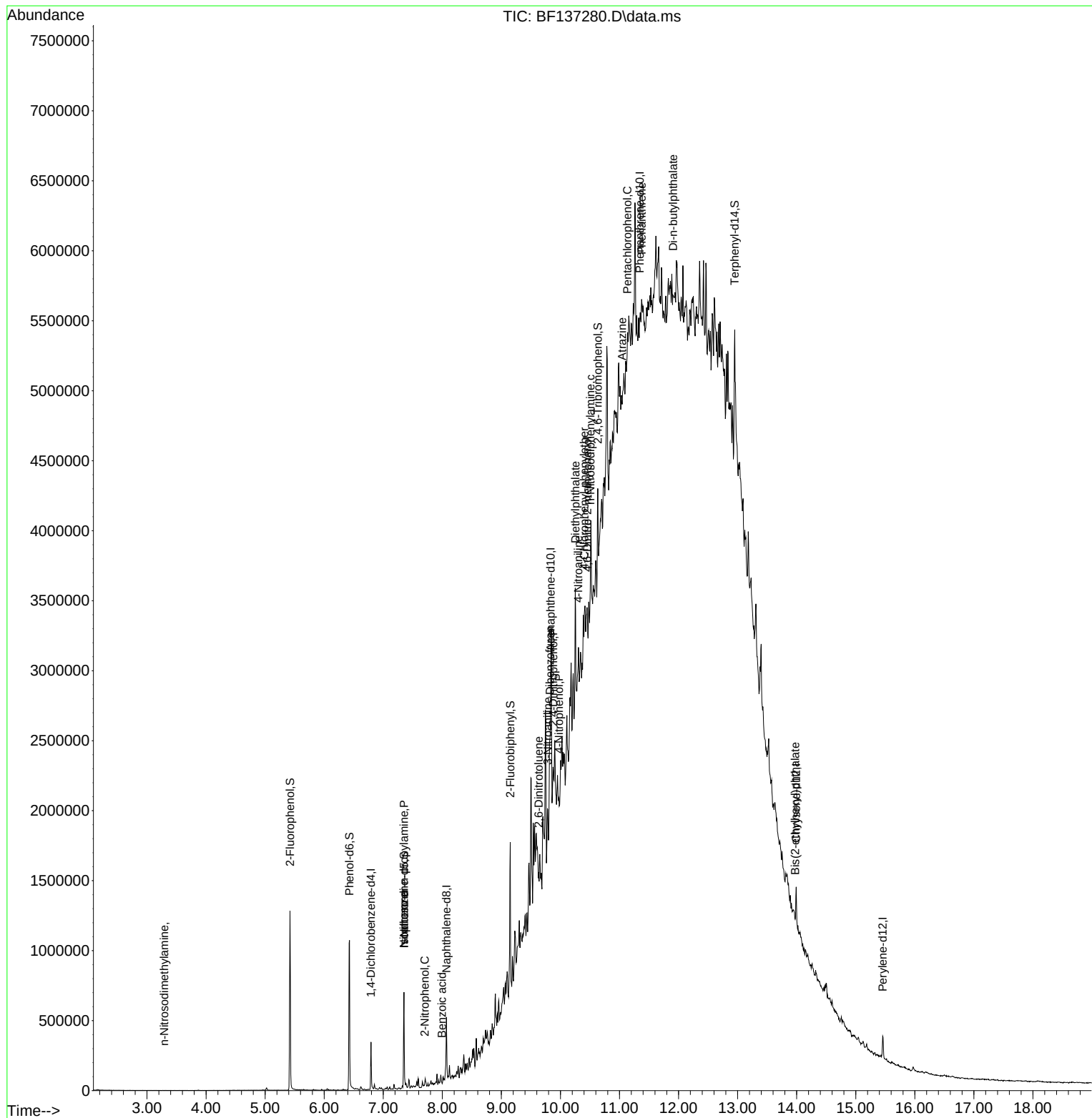
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.792  | 152  | 45367    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.069  | 136  | 158220   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.833  | 164  | 78802    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.345 | 188  | 112647   | 20.000  | ng    | # 0.03   |
| 76) Chrysene-d12              | 13.992 | 240  | 96932    | 20.000  | ng    | # 0.02   |
| 86) Perylene-d12              | 15.457 | 264  | 91023    | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.422  | 112  | 312642   | 113.714 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.428  | 99   | 391115   | 99.682  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 214467   | 60.688  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.633 | 330  | 74189    | 83.363  | ng    | 0.01     |
| 45) 2-Fluorobiphenyl          | 9.151  | 172  | 290952   | 50.755  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 297619   | 41.740  | ng    | 0.03     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 4) n-Nitrosodimethylamine     | 3.293  | 42   | 63       | 6.097   | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 7.351  | 70   | 29171    | 10.843  | ng    | # 79     |
| 25) Isophorone                | 7.351  | 82   | 214771   | 32.925  | ng    | # 68     |
| 26) 2-Nitrophenol             | 7.704  | 139  | 120      | 2.536   | ng    | # 1      |
| 32) Benzoic acid              | 7.992  | 122  | 1257     | 9.129   | ng    | 92       |
| 51) 2,6-Dinitrotoluene        | 9.633  | 165  | 6061     | 5.339   | ng    | # 28     |
| 53) 3-Nitroaniline            | 9.786  | 138  | 6283     | 6.150   | ng    | # 25     |
| 54) 2,4-Dinitrophenol         | 9.880  | 184  | 256      | 11.982  | ng    | # 1      |
| 55) Dibenzofuran              | 9.822  | 168  | 18444    | 2.655   | ng    | 98       |
| 56) 4-Nitrophenol             | 9.975  | 139  | 2216     | 10.527  | ng    | # 1      |
| 60) Diethylphthalate          | 10.251 | 149  | 20587    | 3.927   | ng    | # 48     |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204  | 6141     | 2.269   | ng    | # 1      |
| 62) 4-Nitroaniline            | 10.304 | 138  | 10088    | 10.316  | ng    | 87       |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198  | 1150     | 7.163   | ng    | # 1      |
| 66) n-Nitrosodiphenylamine    | 10.510 | 169  | 8632     | 2.520   | ng    | # 66     |
| 69) Atrazine                  | 11.045 | 200  | 11149    | 9.860   | ng    | # 1      |
| 70) Pentachlorophenol         | 11.133 | 266  | 1806     | 2.277   | ng    | # 1      |
| 71) Phenanthrene              | 11.374 | 178  | 18520    | 3.140   | ng    | # 1      |
| 74) Di-n-butylphthalate       | 11.910 | 149  | 26209    | 4.720   | ng    | # 32     |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149  | 7723     | 2.786   | ng    | # 70     |
| -----                         |        |      |          |         |       |          |

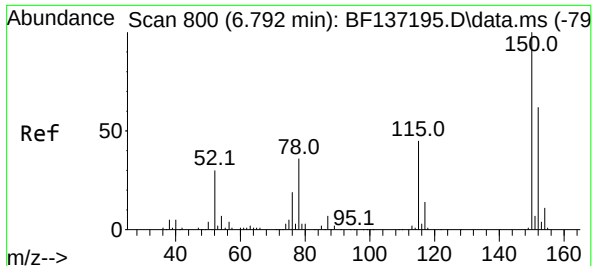
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

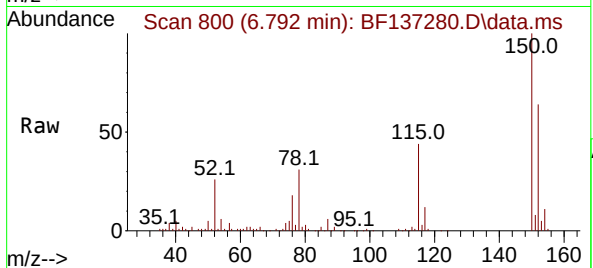
Quant Time: Feb 05 17:51:28 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jan 31 04:56:22 2024  
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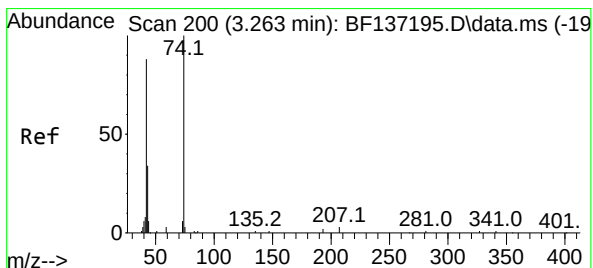
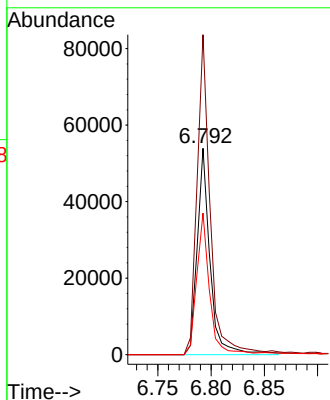
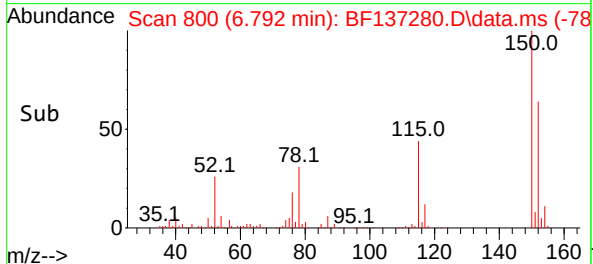


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.792 min Scan# 800  
 Delta R.T. 0.000 min  
 Lab File: BF137280.D  
 Acq: 05 Feb 2024 17:22

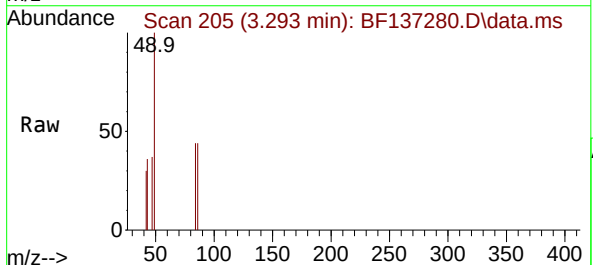
Instrument :  
 BNA\_F  
 ClientSampleId :



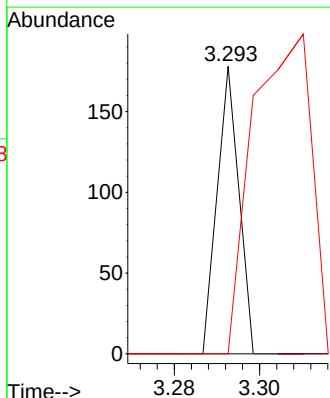
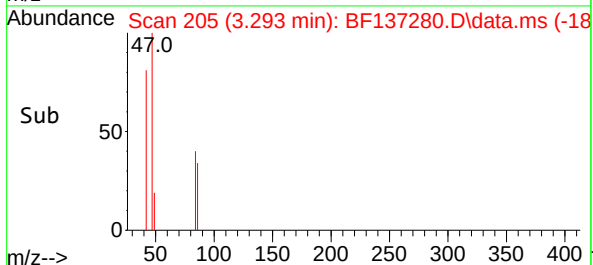
Tgt Ion:152 Resp: 45367  
 Ion Ratio Lower Upper  
 152 100  
 150 155.1 129.8 194.8  
 115 68.6 58.5 87.7

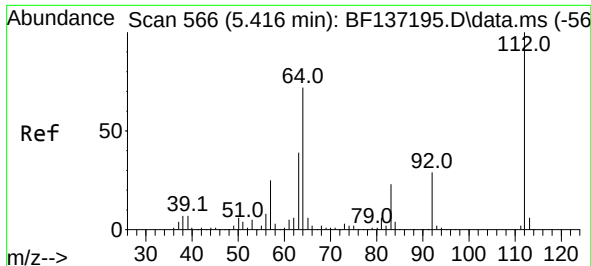


#4  
 n-Nitrosodimethylamine  
 Concen: 6.097 ng  
 RT: 3.293 min Scan# 205  
 Delta R.T. 0.030 min  
 Lab File: BF137280.D  
 Acq: 05 Feb 2024 17:22



Tgt Ion: 42 Resp: 63  
 Ion Ratio Lower Upper  
 42 100  
 74 0.0 90.5 135.7#  
 44 0.0 6.1 9.1#

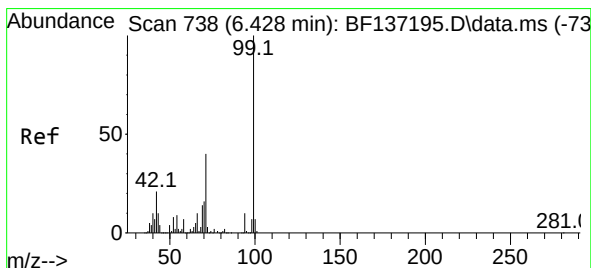
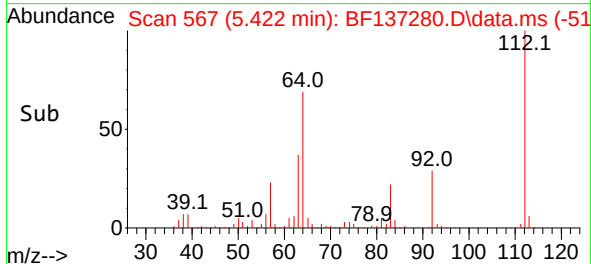
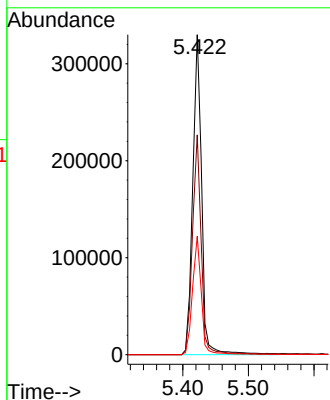
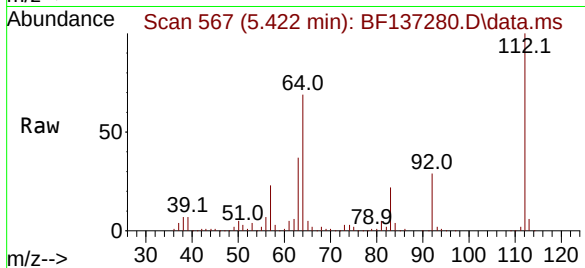




#5  
2-Fluorophenol  
Concen: 113.714 ng  
RT: 5.422 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: BF137280.D  
Acq: 05 Feb 2024 17:22

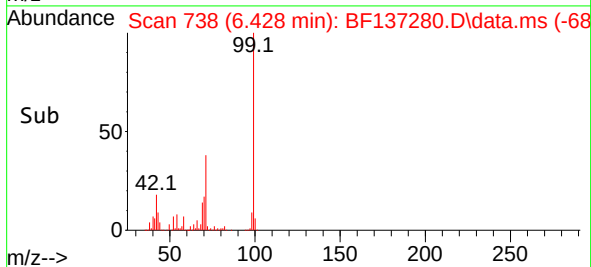
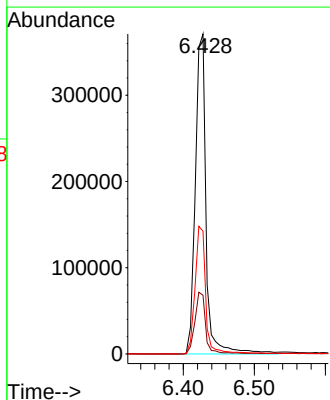
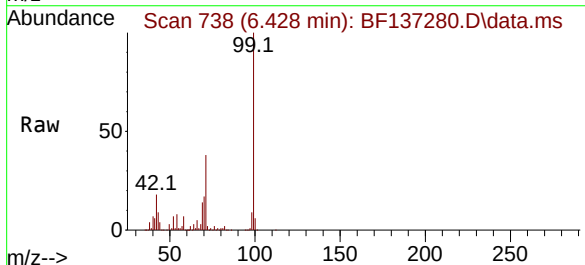
Instrument :  
BNA\_F  
ClientSampleId :

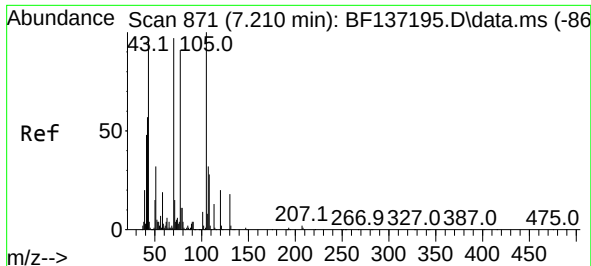
Tgt Ion:112 Resp: 312642  
Ion Ratio Lower Upper  
112 100  
64 68.7 57.8 86.6  
63 37.0 31.4 47.0



#7  
Phenol-d6  
Concen: 99.682 ng  
RT: 6.428 min Scan# 738  
Delta R.T. 0.000 min  
Lab File: BF137280.D  
Acq: 05 Feb 2024 17:22

Tgt Ion: 99 Resp: 391115  
Ion Ratio Lower Upper  
99 100  
42 18.4 16.4 24.6  
71 38.4 32.4 48.6





#19

n-Nitroso-di-n-propylamine

Concen: 10.843 ng

RT: 7.351 min Scan# 895

Delta R.T. 0.141 min

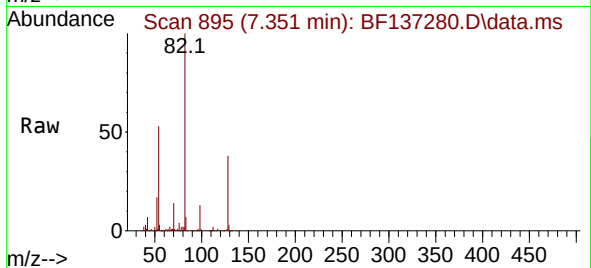
Lab File: BF137280.D

Acq: 05 Feb 2024 17:22

Instrument :

BNA\_F

ClientSampleId :



Tgt Ion: 70 Resp: 29171

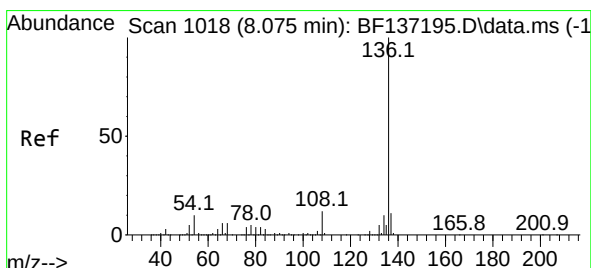
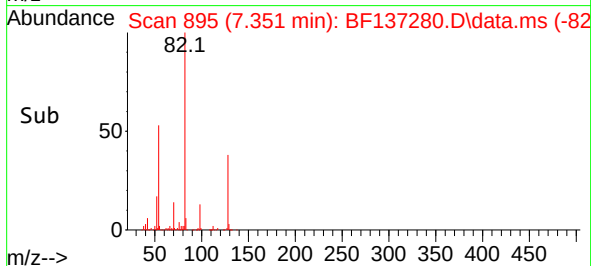
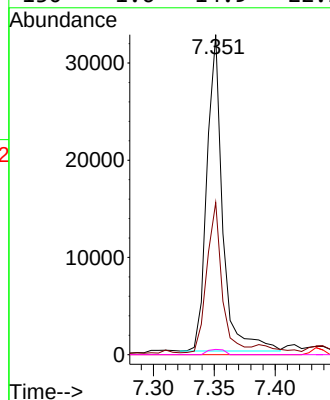
Ion Ratio Lower Upper

70 100

42 47.6 47.2 70.8

101 0.0 7.4 11.0#

130 1.6 14.9 22.3#



#21

Napthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BF137280.D

Acq: 05 Feb 2024 17:22

Tgt Ion: 136 Resp: 158220

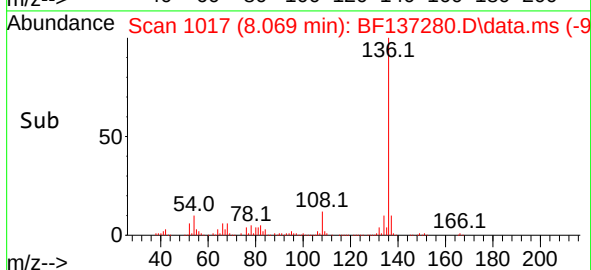
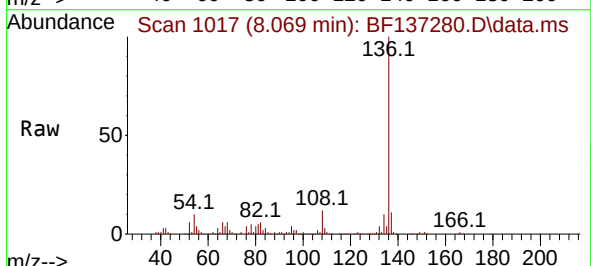
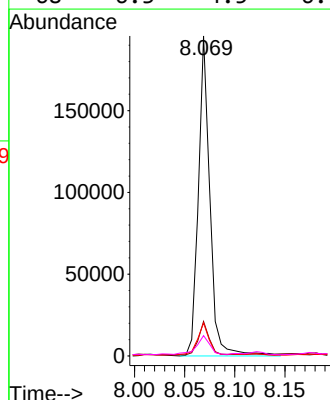
Ion Ratio Lower Upper

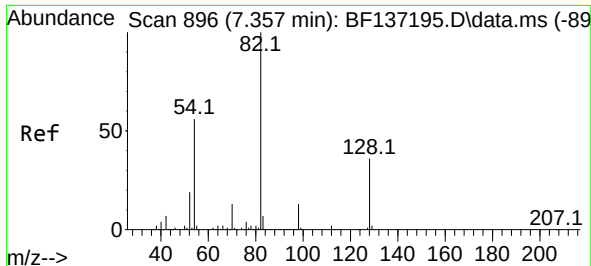
136 100

137 10.8 8.9 13.3

54 10.3 7.8 11.8

68 6.3 4.5 6.7





#23

Nitrobenzene-d5

Concen: 60.688 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

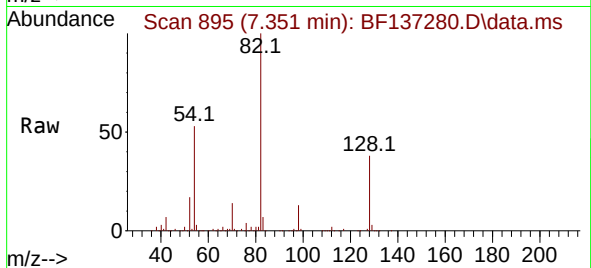
Lab File: BF137280.D

Acq: 05 Feb 2024 17:22

Instrument :

BNA\_F

ClientSampleId :



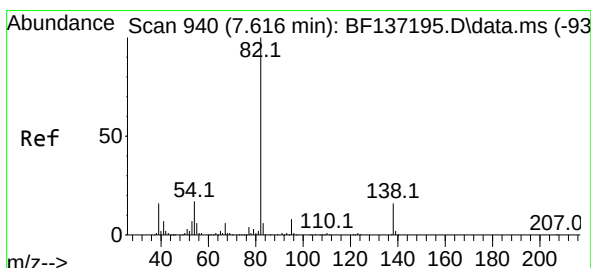
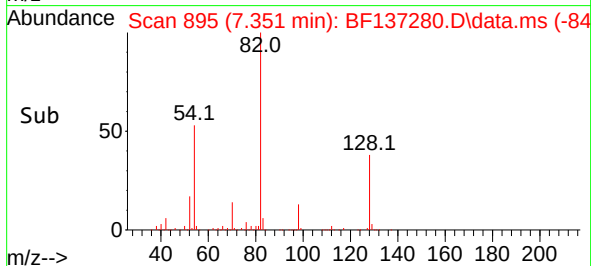
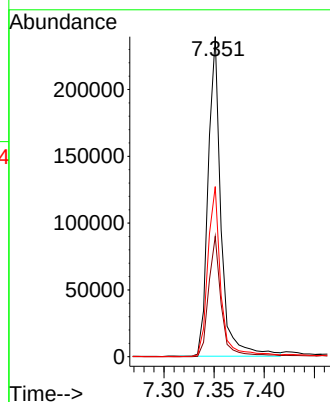
Tgt Ion: 82 Resp: 214467

Ion Ratio Lower Upper

82 100

128 37.6 29.1 43.7

54 53.2 45.0 67.6



#25

Isophorone

Concen: 32.925 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.265 min

Lab File: BF137280.D

Acq: 05 Feb 2024 17:22

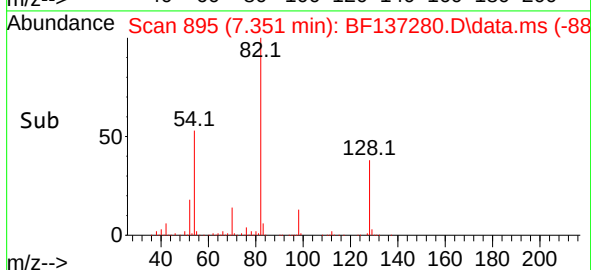
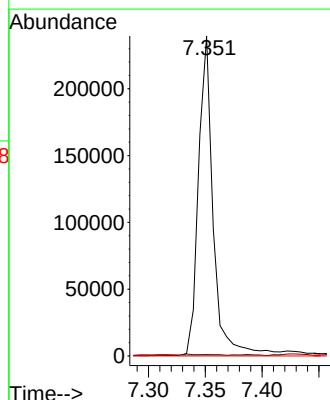
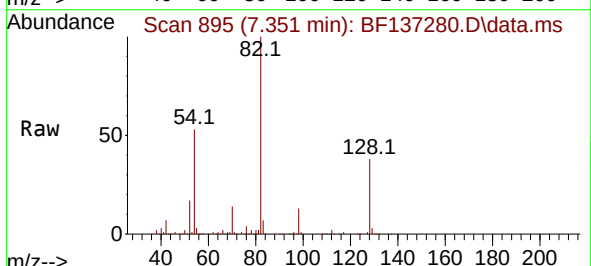
Tgt Ion: 82 Resp: 214771

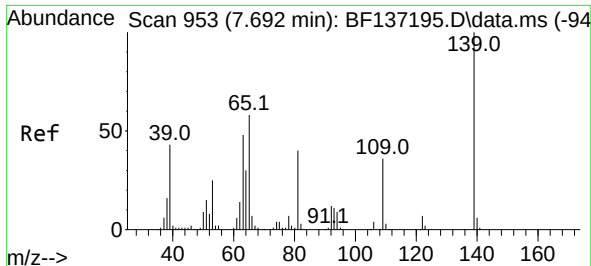
Ion Ratio Lower Upper

82 100

95 0.5 6.4 9.6#

138 0.0 12.7 19.1#

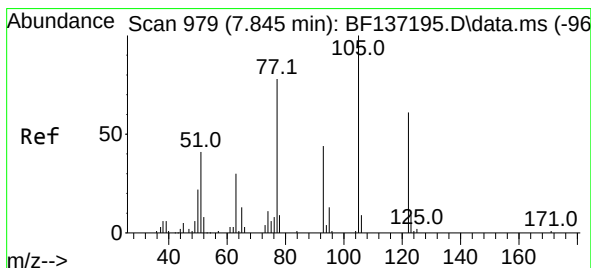
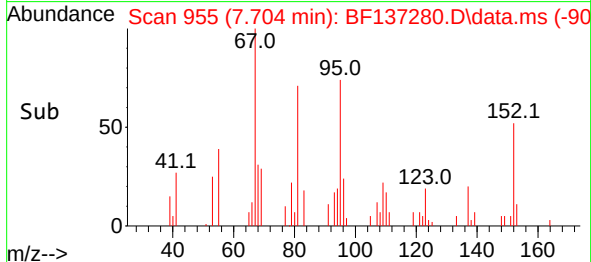
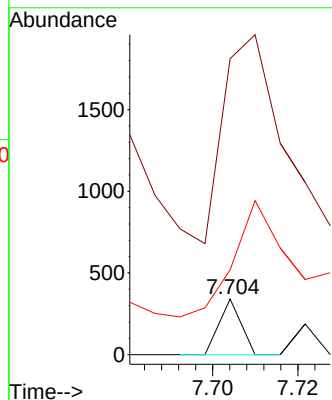
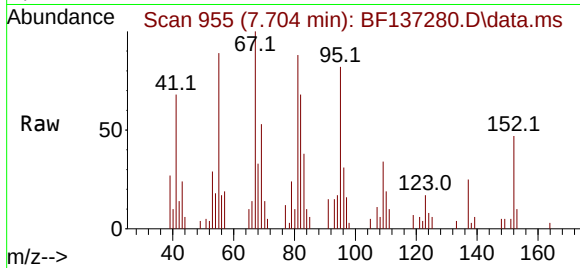




#26  
2-Nitrophenol  
Concen: 2.536 ng  
RT: 7.704 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: BF137280.D  
Acq: 05 Feb 2024 17:22

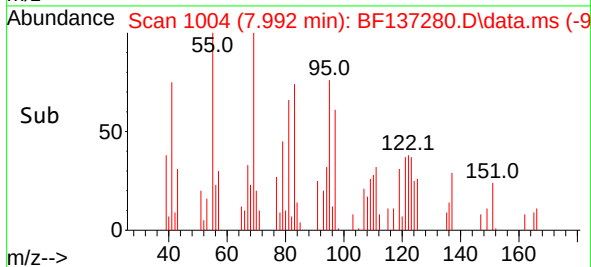
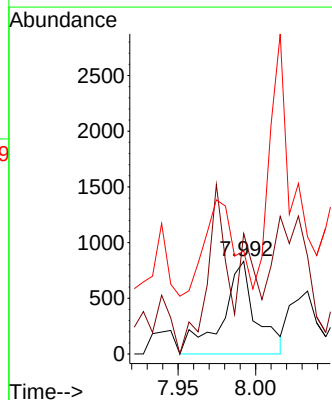
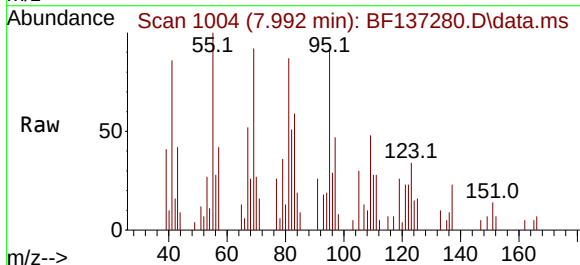
Instrument :  
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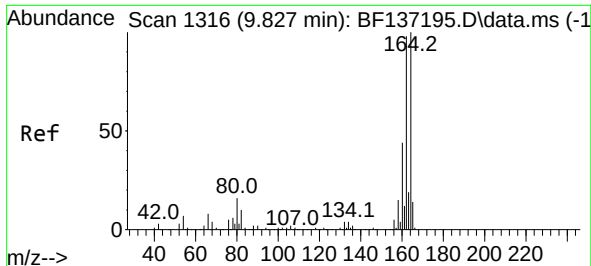
Tgt Ion:139 Resp: 120  
Ion Ratio Lower Upper  
139 100  
109 531.4 28.5 42.7#  
65 152.2 46.7 70.1#



#32  
Benzoic acid  
Concen: 9.129 ng  
RT: 7.992 min Scan# 1004  
Delta R.T. 0.147 min  
Lab File: BF137280.D  
Acq: 05 Feb 2024 17:22

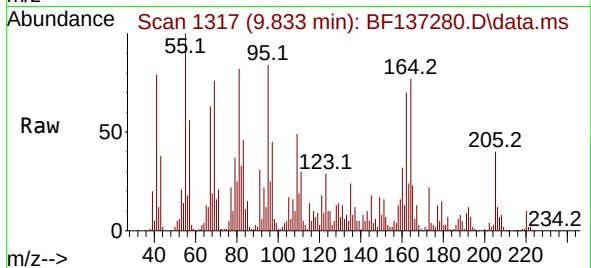
Tgt Ion:122 Resp: 1257  
Ion Ratio Lower Upper  
122 100  
105 129.9 122.5 162.5  
77 111.2 96.4 136.4



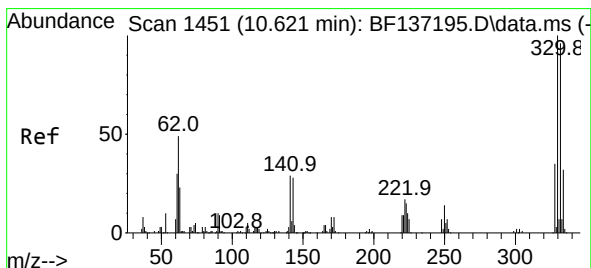
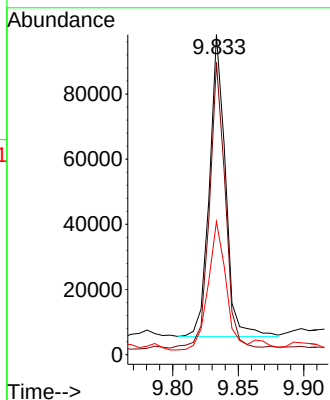
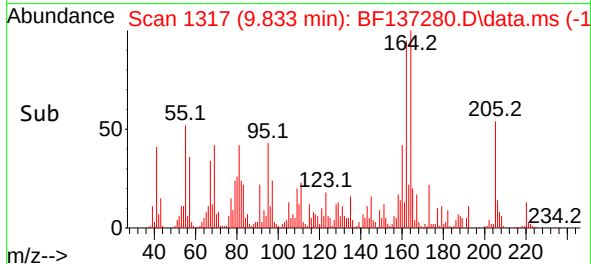


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.833 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF137280.D  
Acq: 05 Feb 2024 17:22

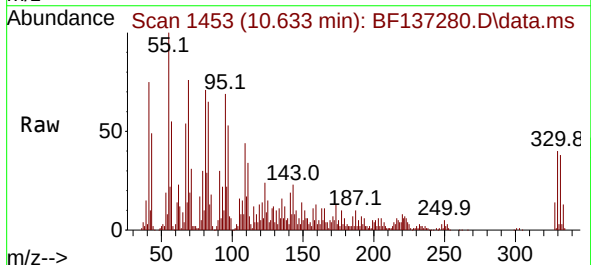
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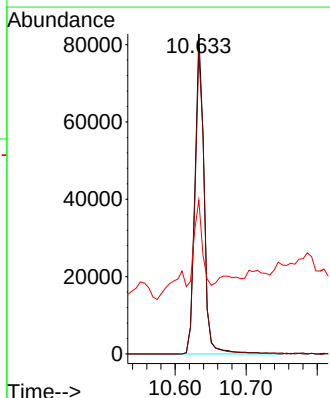
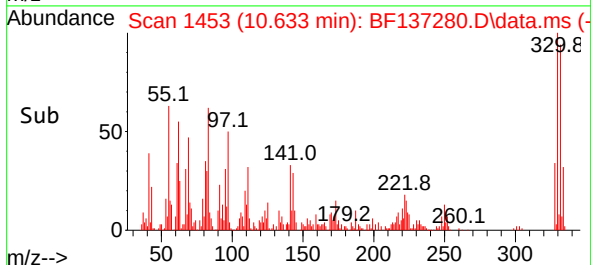
Tgt Ion:164 Resp: 78802  
Ion Ratio Lower Upper  
164 100  
162 91.3 78.3 117.5  
160 41.6 35.4 53.2



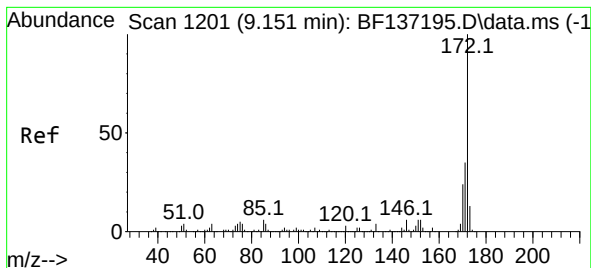
#42  
2,4,6-Tribromophenol  
Concen: 83.363 ng  
RT: 10.633 min Scan# 1453  
Delta R.T. 0.012 min  
Lab File: BF137280.D  
Acq: 05 Feb 2024 17:22



Tgt Ion:330 Resp: 74189  
Ion Ratio Lower Upper  
330 100  
332 96.5 77.3 115.9  
141 46.7 25.2 37.8#







#45

2-Fluorobiphenyl

Concen: 50.755 ng

RT: 9.151 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF137280.D

Acq: 05 Feb 2024 17:22

Instrument :

BNA\_F

ClientSampleId :

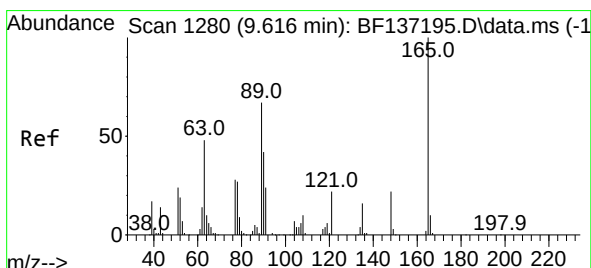
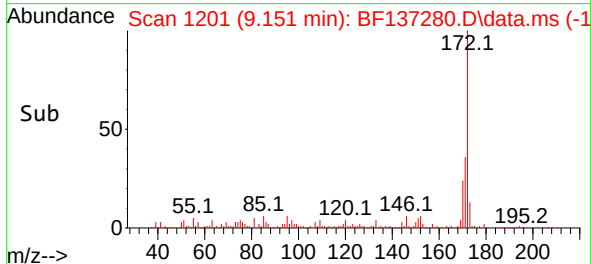
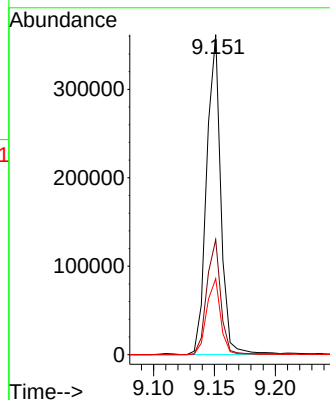
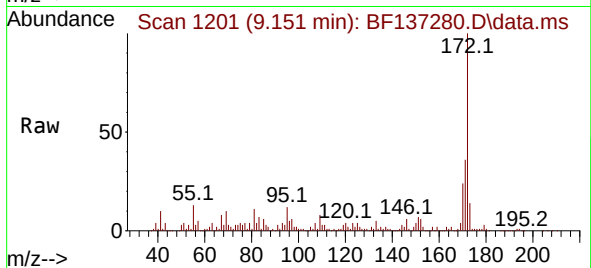
Tgt Ion:172 Resp: 290952

Ion Ratio Lower Upper

172 100

171 35.9 28.3 42.5

170 23.7 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 5.339 ng

RT: 9.633 min Scan# 1283

Delta R.T. 0.018 min

Lab File: BF137280.D

Acq: 05 Feb 2024 17:22

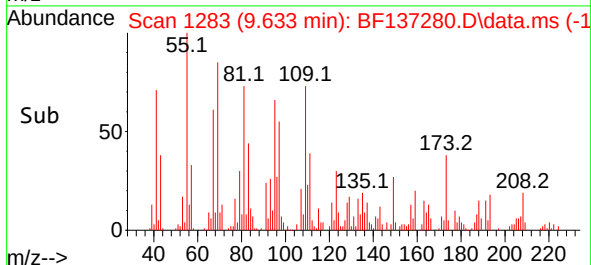
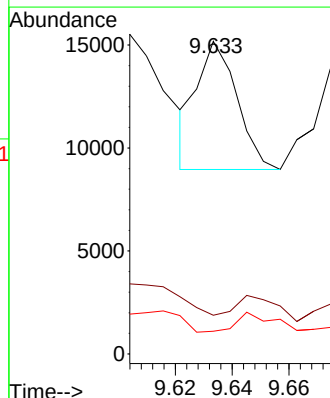
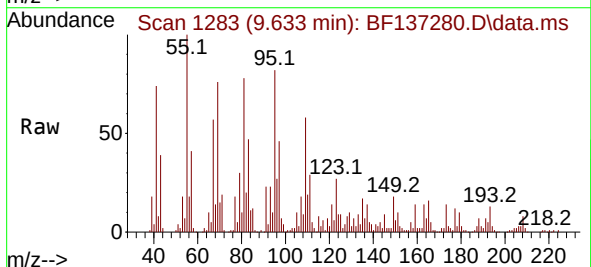
Tgt Ion:165 Resp: 6061

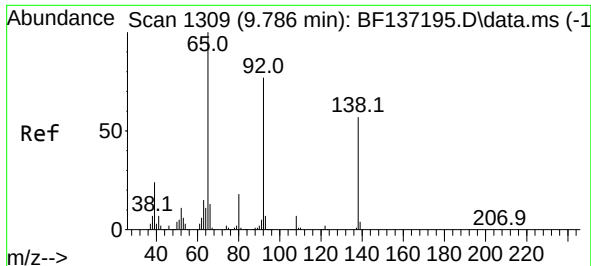
Ion Ratio Lower Upper

165 100

63 12.4 55.1 82.7#

89 7.2 53.5 80.3#

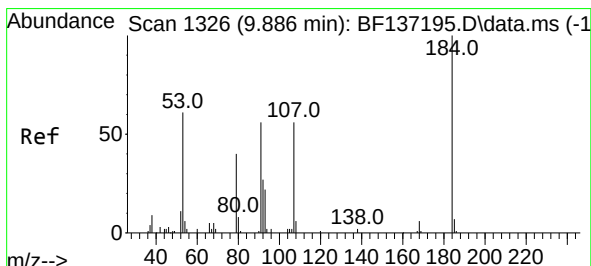
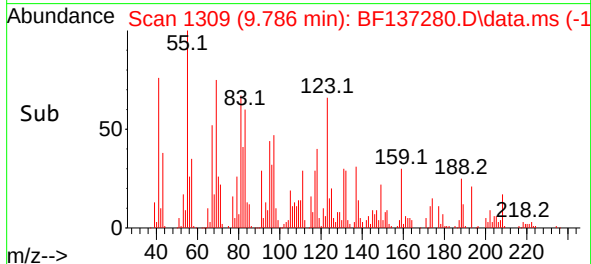
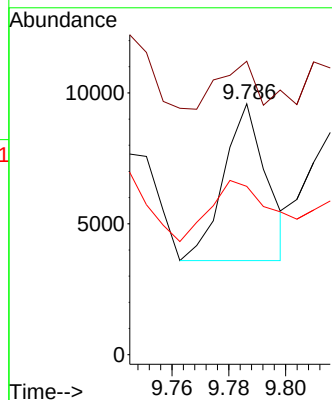
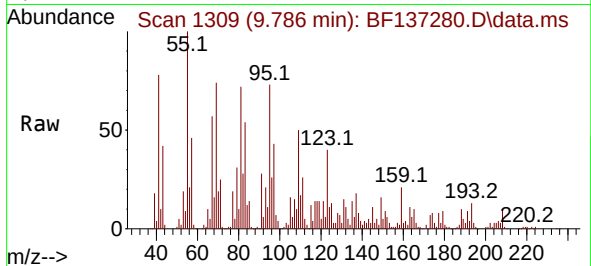




#53  
3-Nitroaniline  
Concen: 6.150 ng  
RT: 9.786 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF137280.D  
Acq: 05 Feb 2024 17:22

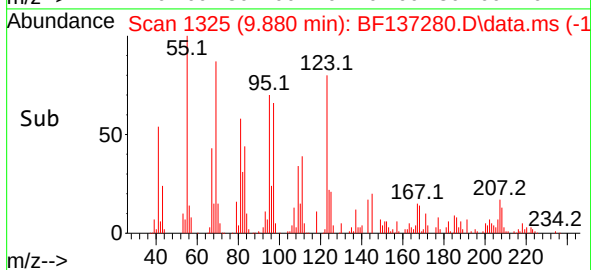
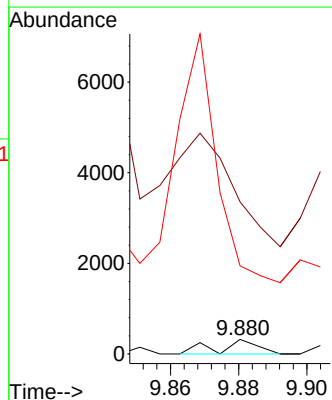
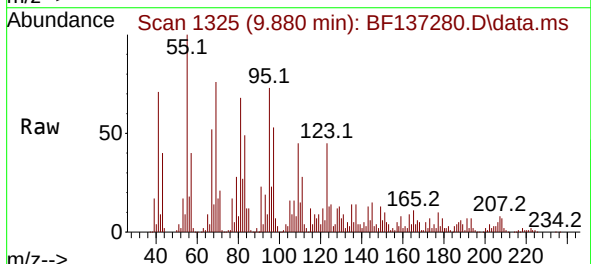
Instrument :  
BNA\_F  
ClientSampleId :

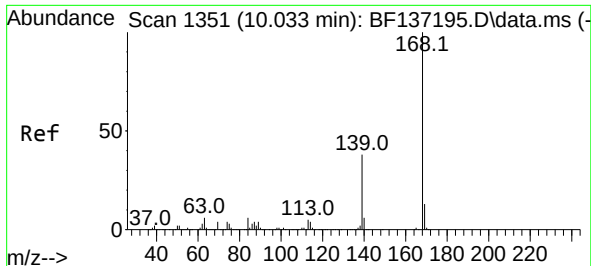
Tgt Ion:138 Resp: 6283  
Ion Ratio Lower Upper  
138 100  
108 117.0 10.4 15.6#  
92 67.1 108.6 162.8#



#54  
2,4-Dinitrophenol  
Concen: 11.982 ng  
RT: 9.880 min Scan# 1325  
Delta R.T. -0.006 min  
Lab File: BF137280.D  
Acq: 05 Feb 2024 17:22

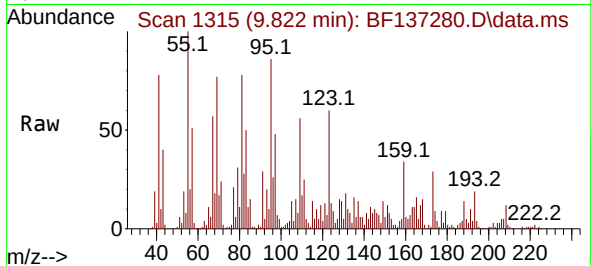
Tgt Ion:184 Resp: 256  
Ion Ratio Lower Upper  
184 100  
63 1046.4 71.2 106.8#  
154 606.2 64.9 97.3#



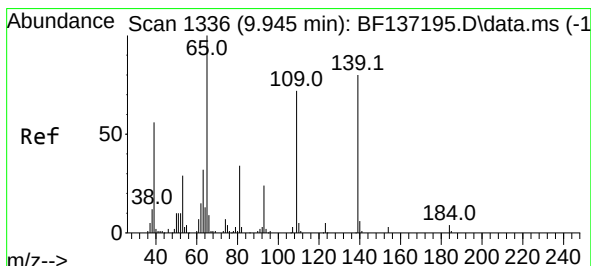
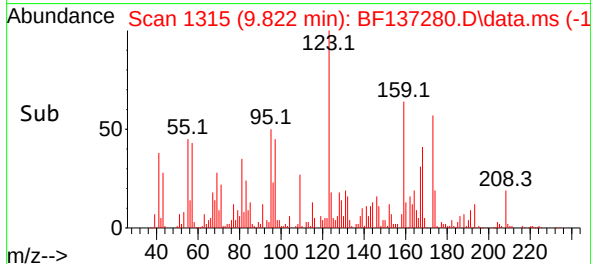
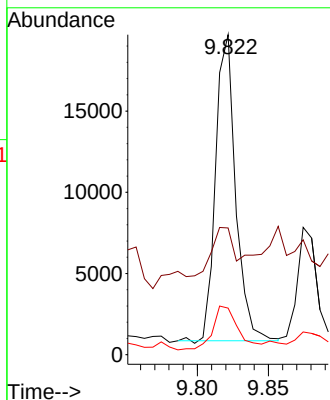


#55  
Dibenzenofuran  
Concen: 2.655 ng  
RT: 9.822 min Scan# 1315  
Delta R.T. -0.211 min  
Lab File: BF137280.D  
Acq: 05 Feb 2024 17:22

Instrument :  
BNA\_F  
ClientSampleId :

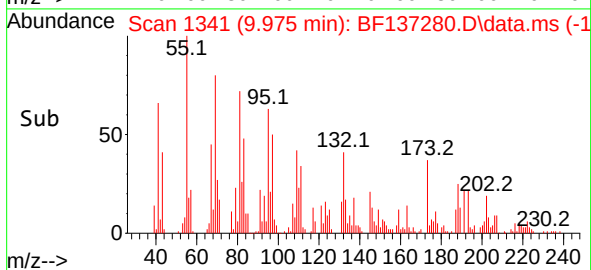
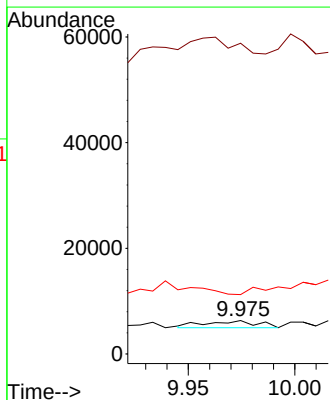
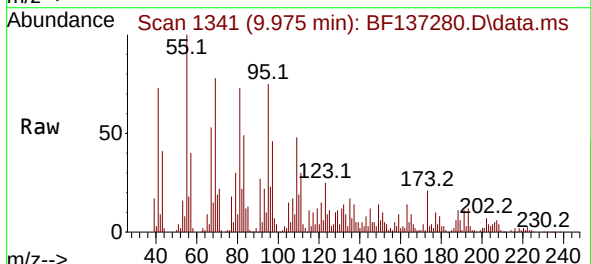


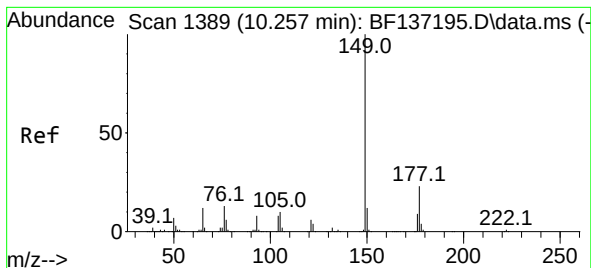
Tgt Ion:168 Resp: 18444  
Ion Ratio Lower Upper  
168 100  
139 39.6 31.1 46.7  
169 14.5 10.6 16.0



#56  
4-Nitrophenol  
Concen: 10.527 ng  
RT: 9.975 min Scan# 1341  
Delta R.T. 0.030 min  
Lab File: BF137280.D  
Acq: 05 Feb 2024 17:22

Tgt Ion:139 Resp: 2216  
Ion Ratio Lower Upper  
139 100  
109 930.8 70.4 110.4#  
65 178.0 107.6 147.6#





#60

Diethylphthalate

Concen: 3.927 ng

RT: 10.251 min Scan# 1410

Delta R.T. -0.006 min

Lab File: BF137280.D

Acq: 05 Feb 2024 17:22

Instrument :

BNA\_F

ClientSampleId :

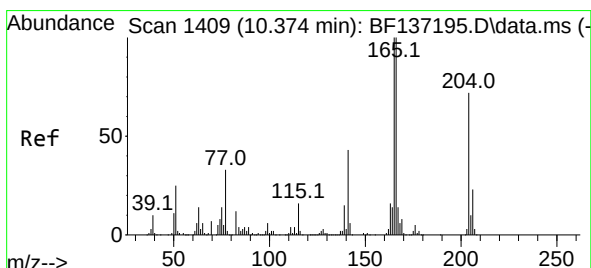
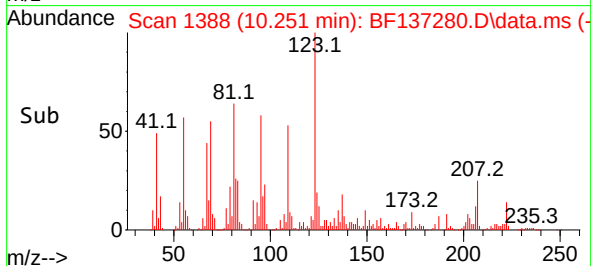
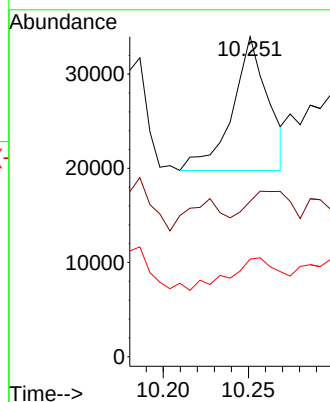
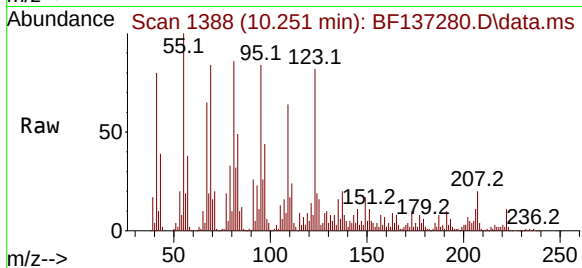
Tgt Ion:149 Resp: 20587

Ion Ratio Lower Upper

149 100

177 48.6 18.0 27.0#

150 30.5 9.6 14.4#



#61

4-Chlorophenyl-phenylether

Concen: 2.269 ng

RT: 10.404 min Scan# 1414

Delta R.T. 0.029 min

Lab File: BF137280.D

Acq: 05 Feb 2024 17:22

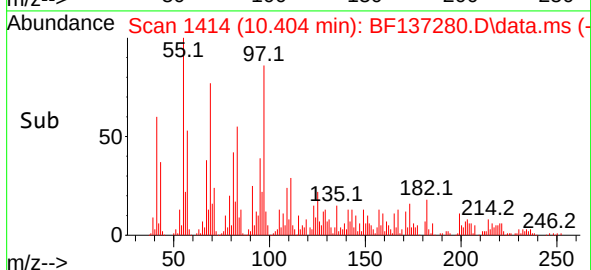
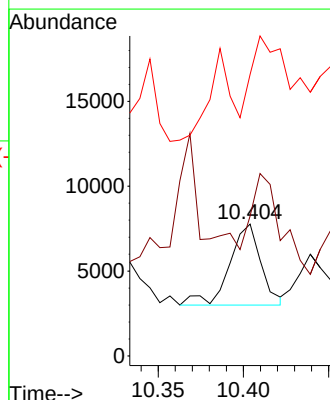
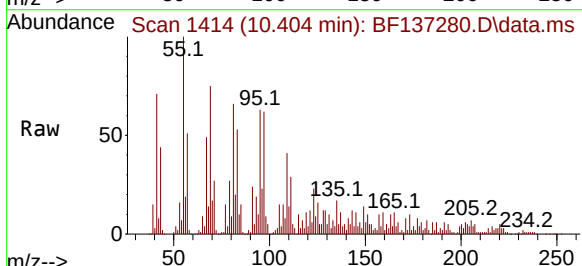
Tgt Ion:204 Resp: 6141

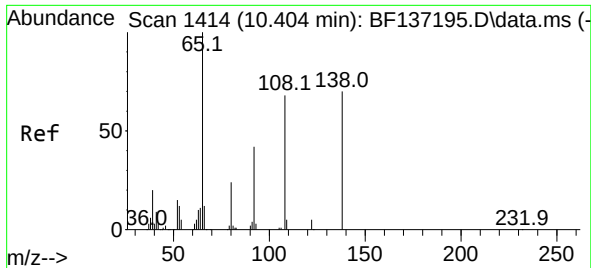
Ion Ratio Lower Upper

204 100

206 106.3 25.5 38.3#

141 213.6 48.3 72.5#

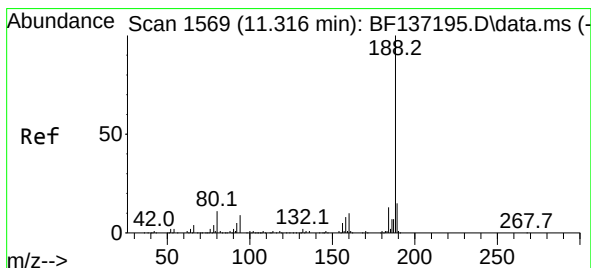
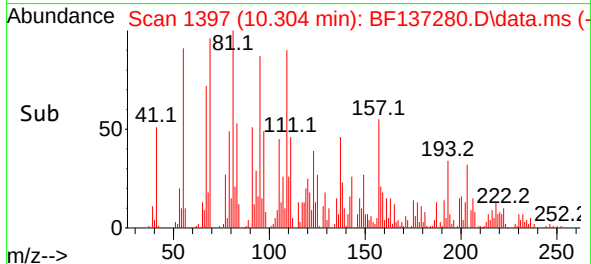
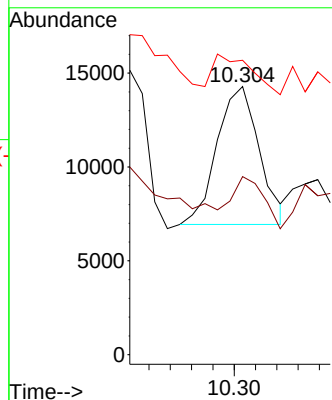
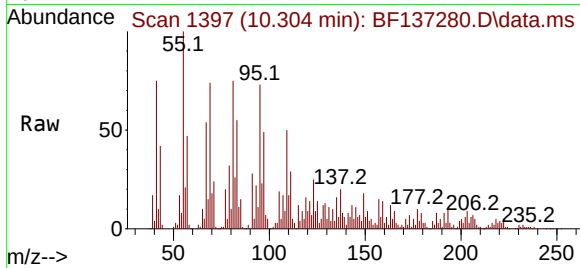




#62  
4-Nitroaniline  
Concen: 10.316 ng  
RT: 10.304 min Scan# 11  
Delta R.T. -0.100 min  
Lab File: BF137280.D  
Acq: 05 Feb 2024 17:22

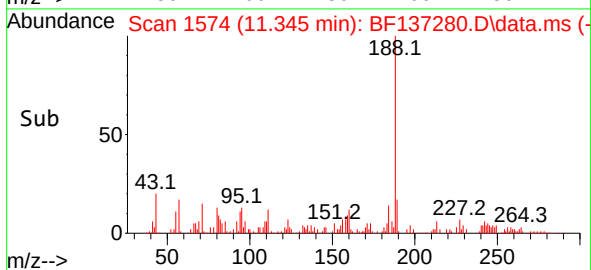
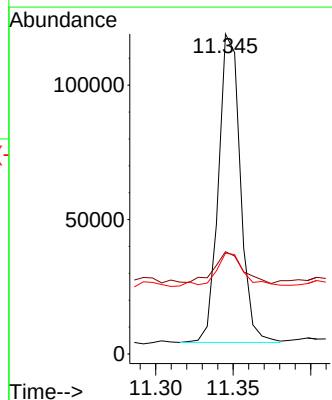
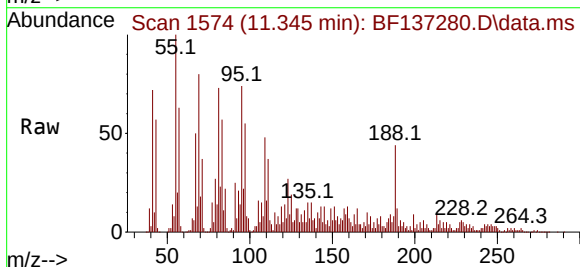
Instrument :  
BNA\_F  
ClientSampleId :

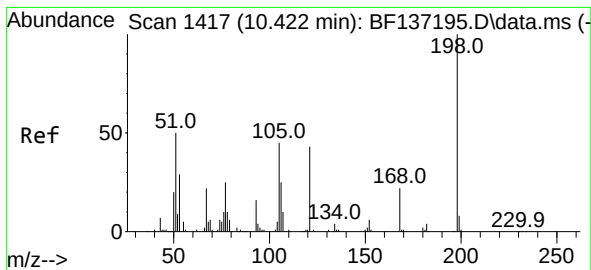
Tgt Ion:138 Resp: 10088  
Ion Ratio Lower Upper  
138 100  
92 66.4 39.3 79.3  
108 109.7 75.3 115.3



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.345 min Scan# 1574  
Delta R.T. 0.029 min  
Lab File: BF137280.D  
Acq: 05 Feb 2024 17:22

Tgt Ion:188 Resp: 112647  
Ion Ratio Lower Upper  
188 100  
94 32.0 7.0 10.4#  
80 31.5 8.8 13.2#

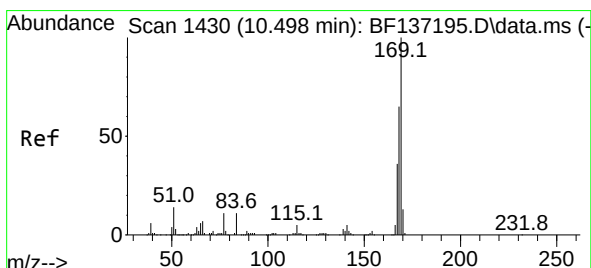
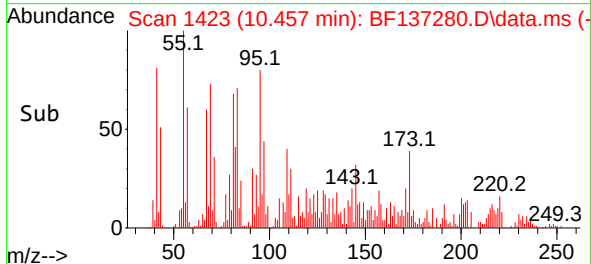
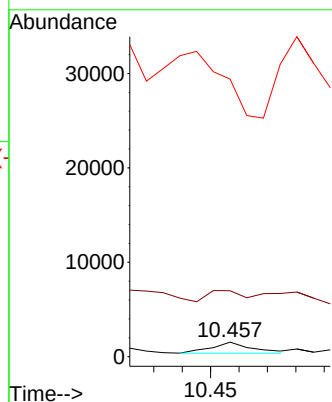
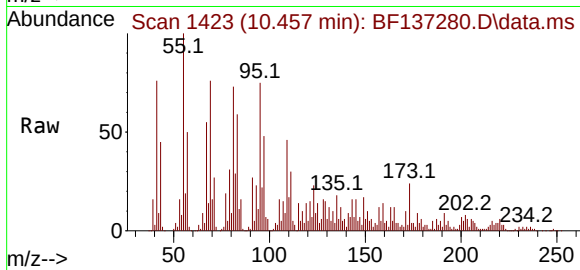




#65  
4,6-Dinitro-2-methylphenol  
Concen: 7.163 ng  
RT: 10.457 min Scan# 1417  
Delta R.T. 0.035 min  
Lab File: BF137280.D  
Acq: 05 Feb 2024 17:22

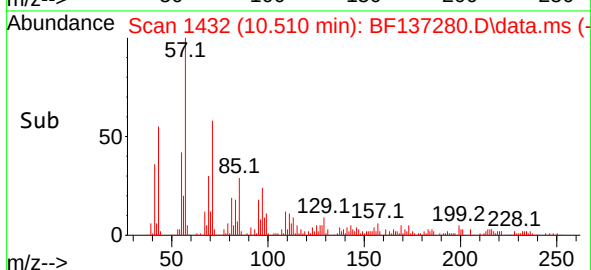
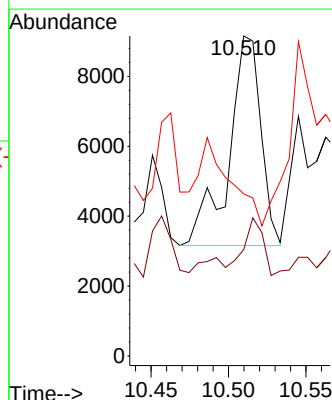
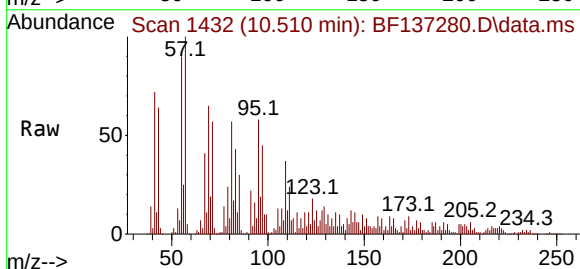
Instrument :  
BNA\_F  
ClientSampleId :

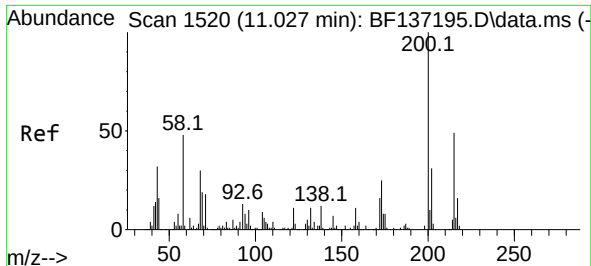
Tgt Ion:198 Resp: 1150  
Ion Ratio Lower Upper  
198 100  
51 455.3 40.9 80.9#  
105 1914.6 26.5 66.5#



#66  
n-Nitrosodiphenylamine  
Concen: 2.520 ng  
RT: 10.510 min Scan# 1432  
Delta R.T. 0.012 min  
Lab File: BF137280.D  
Acq: 05 Feb 2024 17:22

Tgt Ion:169 Resp: 8632  
Ion Ratio Lower Upper  
169 100  
168 33.2 51.9 77.9#  
167 50.7 29.0 43.6#

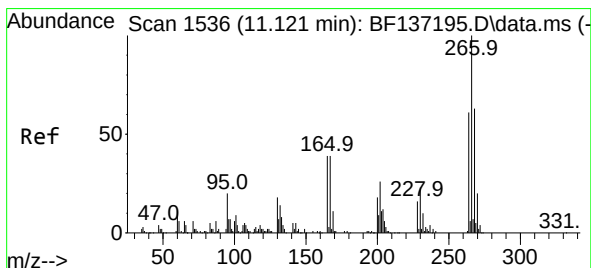
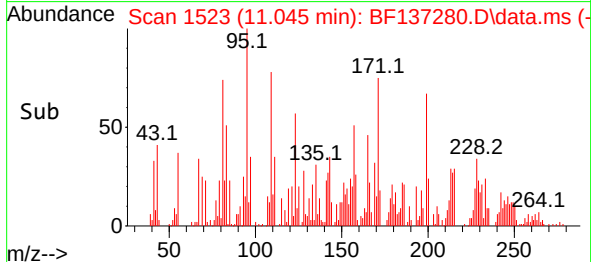
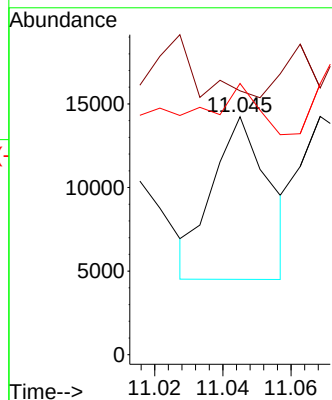
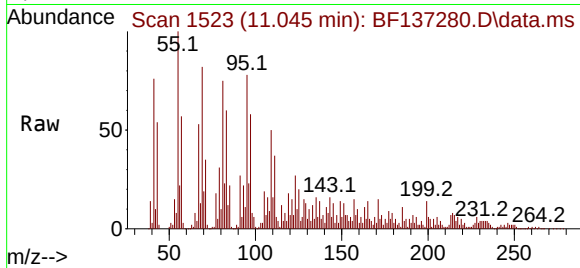




#69  
Atrazine  
Concen: 9.860 ng  
RT: 11.045 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: BF137280.D  
Acq: 05 Feb 2024 17:22

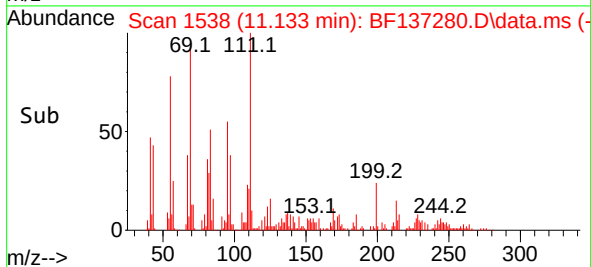
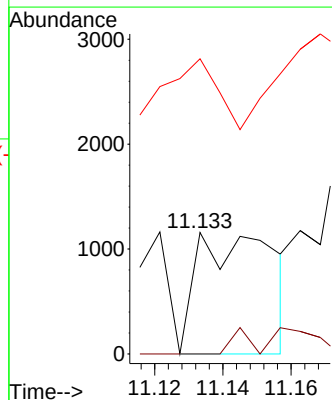
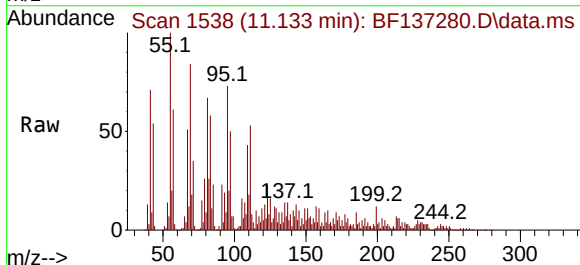
Instrument :  
BNA\_F  
ClientSampleId :

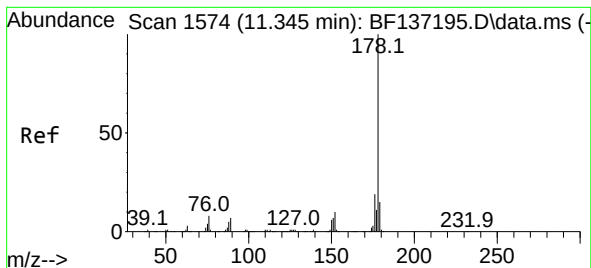
Tgt Ion:200 Resp: 11149  
Ion Ratio Lower Upper  
200 100  
173 110.9 5.3 45.3#  
215 114.0 29.4 69.4#



#70  
Pentachlorophenol  
Concen: 2.277 ng  
RT: 11.133 min Scan# 1538  
Delta R.T. 0.012 min  
Lab File: BF137280.D  
Acq: 05 Feb 2024 17:22

Tgt Ion:266 Resp: 1806  
Ion Ratio Lower Upper  
266 100  
268 0.0 50.6 76.0#  
264 243.1 48.8 73.2#





#71

Phenanthrene

Concen: 3.140 ng

RT: 11.374 min Scan# 1

Delta R.T. 0.029 min

Lab File: BF137280.D

Acq: 05 Feb 2024 17:22

Instrument :

BNA\_F

ClientSampleId :

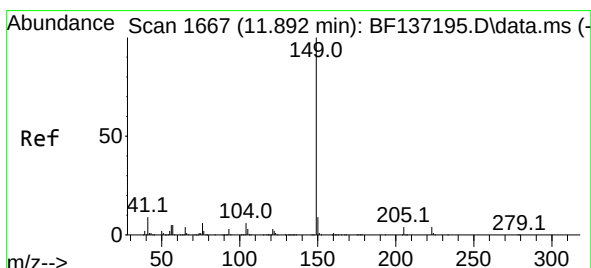
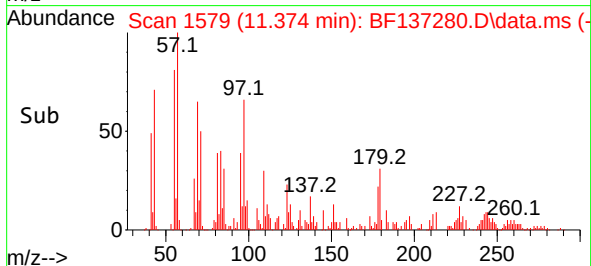
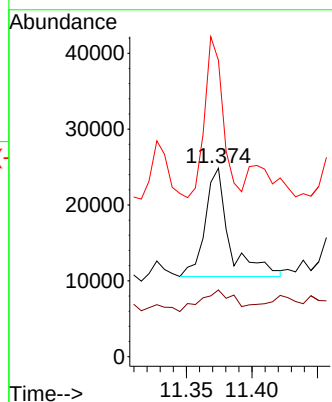
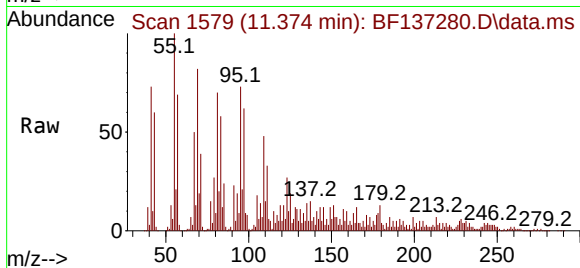
Tgt Ion:178 Resp: 18520

Ion Ratio Lower Upper

178 100

176 35.4 15.1 22.7#

179 157.2 12.1 18.1#



#74

Di-n-butylphthalate

Concen: 4.720 ng

RT: 11.910 min Scan# 1670

Delta R.T. 0.018 min

Lab File: BF137280.D

Acq: 05 Feb 2024 17:22

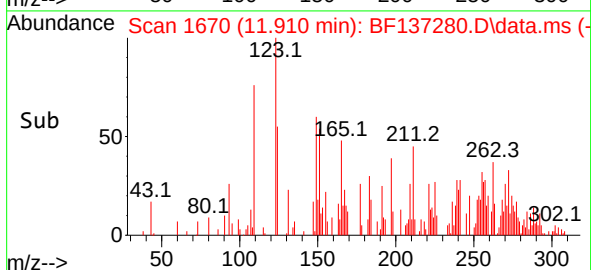
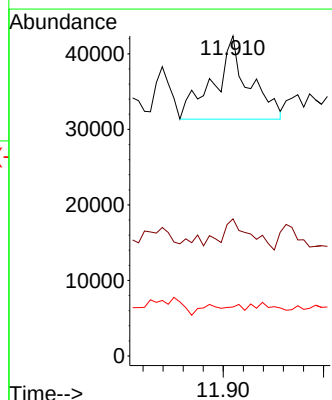
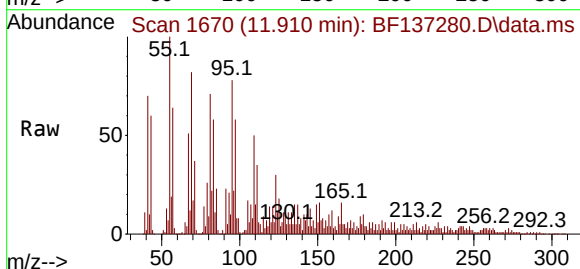
Tgt Ion:149 Resp: 26209

Ion Ratio Lower Upper

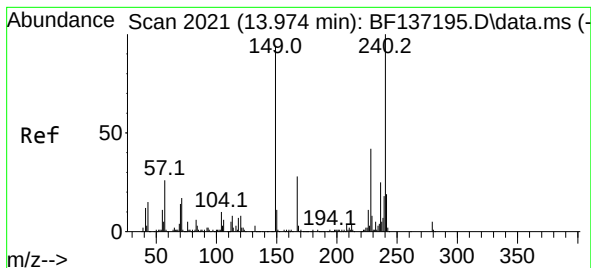
149 100

150 42.8 7.4 11.0#

104 15.3 4.5 6.7#







#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.992 min Scan# 20

Delta R.T. 0.018 min

Lab File: BF137280.D

Acq: 05 Feb 2024 17:22

Instrument :

BNA\_F

ClientSampleId :

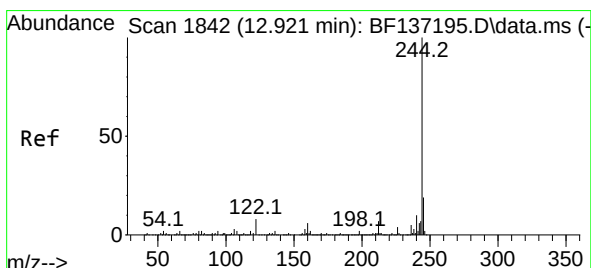
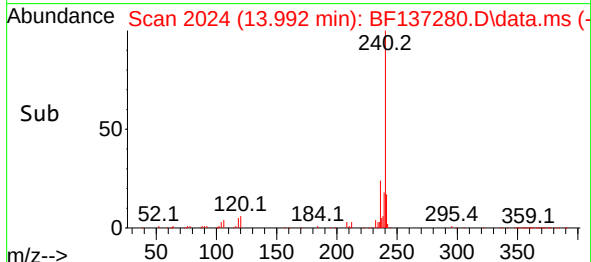
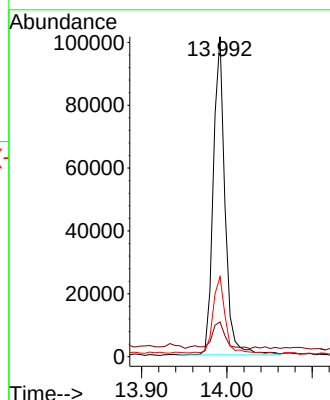
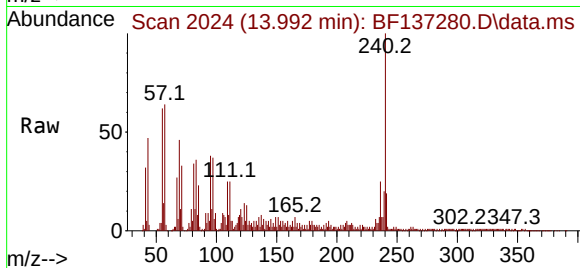
Tgt Ion:240 Resp: 96932

Ion Ratio Lower Upper

240 100

120 10.8 6.3 9.5#

236 25.0 20.3 30.5



#79

Terphenyl-d14

Concen: 41.740 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.029 min

Lab File: BF137280.D

Acq: 05 Feb 2024 17:22

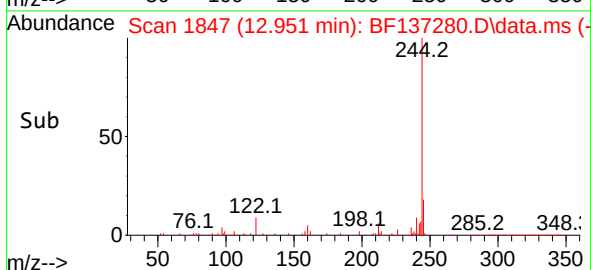
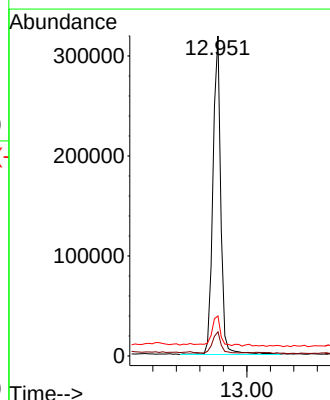
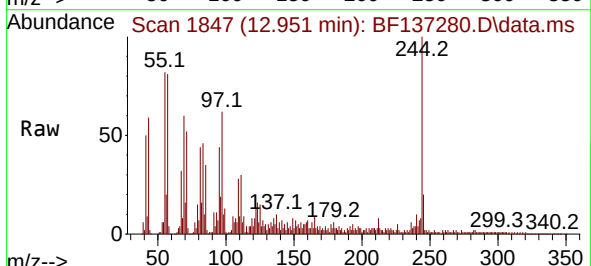
Tgt Ion:244 Resp: 297619

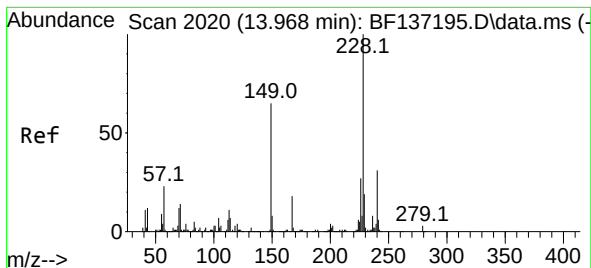
Ion Ratio Lower Upper

244 100

212 7.5 5.5 8.3

122 12.5 6.2 9.4#





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.786 ng

RT: 13.974 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF137280.D

Acq: 05 Feb 2024 17:22

Instrument :

BNA\_F

ClientSampleId :

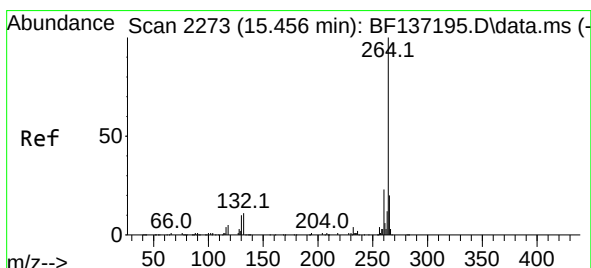
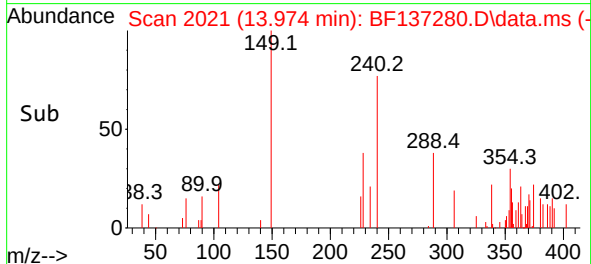
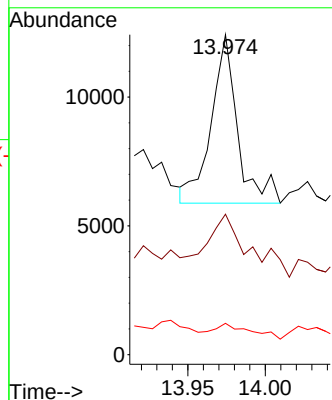
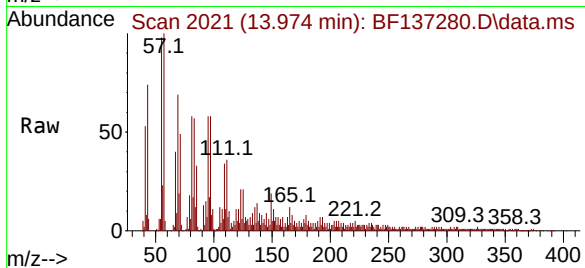
Tgt Ion:149 Resp: 7723

Ion Ratio Lower Upper

149 100

167 43.9 21.7 32.5#

279 9.8 3.4 5.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2273

Delta R.T. 0.000 min

Lab File: BF137280.D

Acq: 05 Feb 2024 17:22

Tgt Ion:264 Resp: 91023

Ion Ratio Lower Upper

264 100

260 22.1 18.2 27.4

265 21.5 16.2 24.2

