

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102623\  
 Data File : BF135959.D  
 Acq On : 26 Oct 2023 12:47  
 Operator : CG\JU  
 Sample : PB156430BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB156430BL

Quant Time: Oct 26 13:13:47 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 26 03:58:01 2023  
 Response via : Initial Calibration

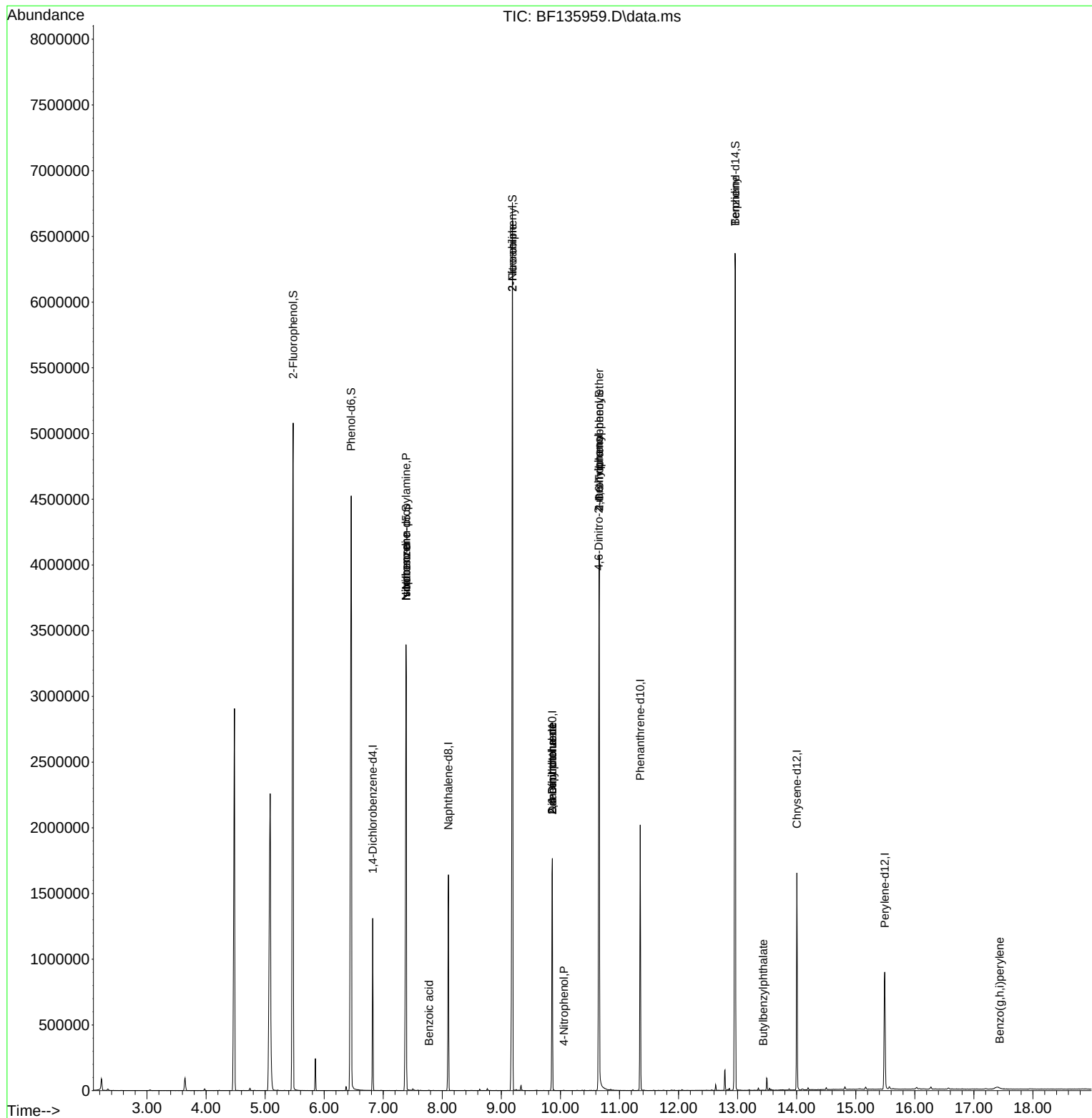
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.822  | 152  | 168826   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 701433   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.863  | 164  | 362718   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.351 | 188  | 682094   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.004 | 240  | 513893   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.492 | 264  | 410598   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 1804194  | 165.020 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.457  | 99   | 2295636  | 168.656 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.386  | 82   | 1309307  | 116.447 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.657 | 330  | 594356   | 187.207 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.186  | 172  | 2338825  | 103.249 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.963 | 244  | 2814669  | 91.511  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.386  | 70   | 174254   | 22.513  | ng    | # 77     |
| 24) Nitrobenzene              | 7.386  | 77   | 3997     | 2.907   | ng    | # 32     |
| 25) Isophorone                | 7.386  | 82   | 1303729  | 58.802  | ng    | # 64     |
| 32) Benzoic acid              | 7.775  | 122  | 551      | 5.894   | ng    | # 60     |
| 48) 2-Nitroaniline            | 9.186  | 65   | 3885     | 4.952   | ng    | # 1      |
| 50) Dimethylphthalate         | 9.863  | 163  | 76650    | 3.259   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.863  | 165  | 47715    | 13.656  | ng    | # 21     |
| 56) 4-Nitrophenol             | 10.063 | 139  | 454      | 6.272   | ng    | # 11     |
| 57) 2,4-Dinitrotoluene        | 9.863  | 165  | 47715    | 12.773  | ng    | # 26     |
| 65) 4,6-Dinitro-2-methylph... | 10.651 | 198  | 1342     | 7.689   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.657 | 248  | 35897    | 5.139   | ng    | # 1      |
| 77) Benzidine                 | 12.963 | 184  | 33561    | 3.387   | ng    | # 94     |
| 80) Butylbenzylphthalate      | 13.433 | 149  | 315      | 3.845   | ng    | # 86     |
| 92) Benzo(g,h,i)perylene      | 17.439 | 276  | 502      | 3.778   | ng    | # 52     |
| -----                         |        |      |          |         |       |          |

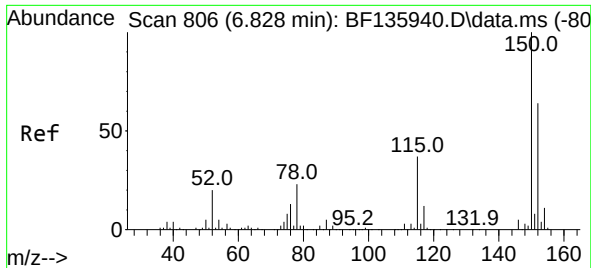
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102623\  
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Sample : PB156430BL  
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ALS Vial : 3 Sample Multiplier: 1

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Quant Time: Oct 26 13:13:47 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 26 03:58:01 2023  
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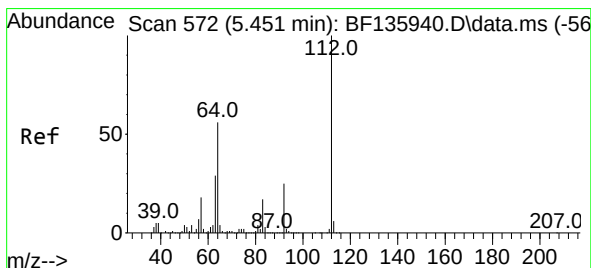
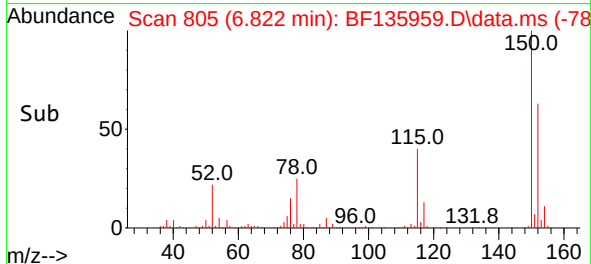
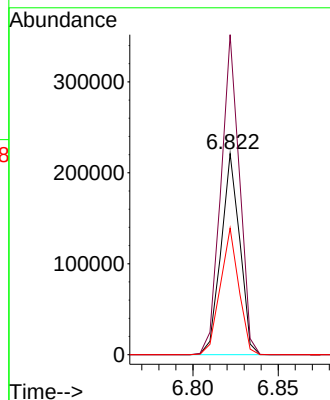
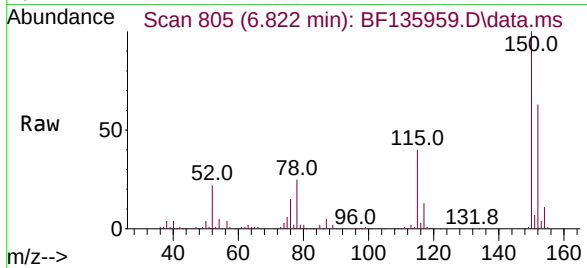




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.822 min Scan# 806  
Delta R.T. -0.006 min  
Lab File: BF135959.D  
Acq: 26 Oct 2023 12:47

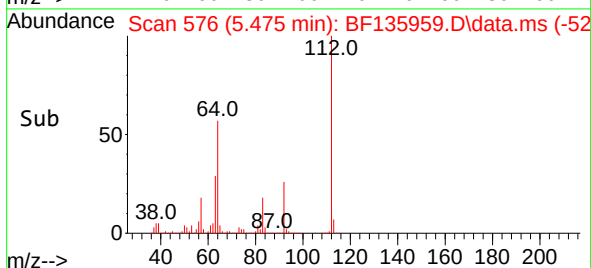
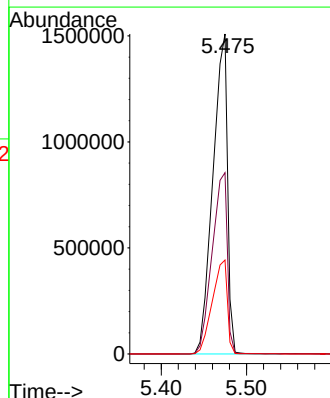
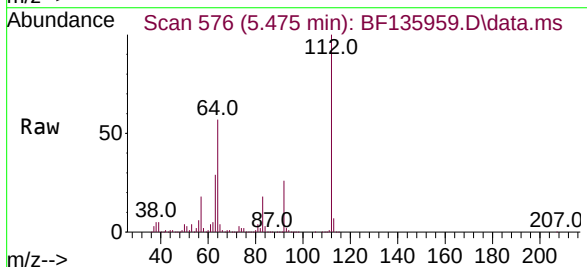
Instrument :  
BNA\_F  
ClientSampleId :  
PB156430BL

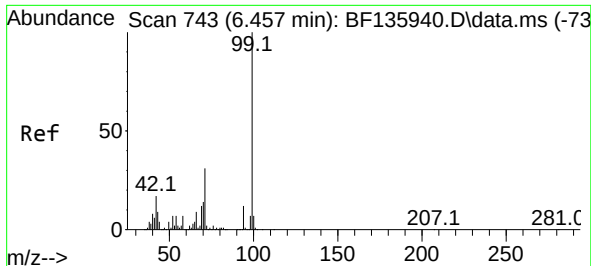
Tgt Ion:152 Resp: 168826  
Ion Ratio Lower Upper  
152 100  
150 159.0 124.6 186.8  
115 62.9 46.6 69.8



#5  
2-Fluorophenol  
Concen: 165.020 ng  
RT: 5.475 min Scan# 576  
Delta R.T. 0.023 min  
Lab File: BF135959.D  
Acq: 26 Oct 2023 12:47

Tgt Ion:112 Resp: 1804194  
Ion Ratio Lower Upper  
112 100  
64 56.7 45.1 67.7  
63 29.4 23.0 34.4



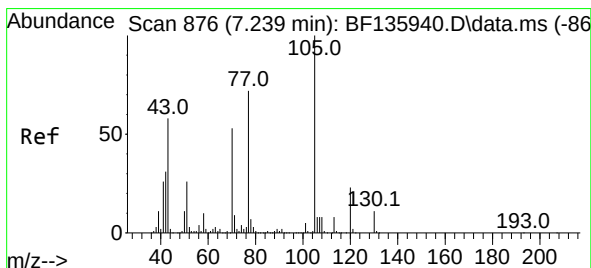
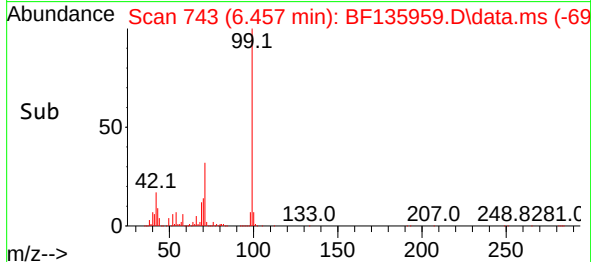
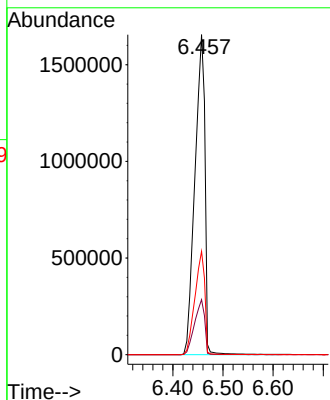
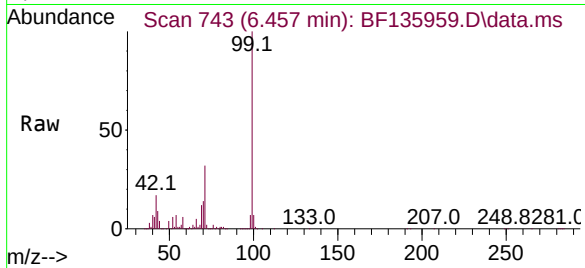


#7  
Phenol-d6  
Concen: 168.656 ng  
RT: 6.457 min Scan# 743  
Delta R.T. -0.000 min  
Lab File: BF135959.D  
Acq: 26 Oct 2023 12:47

Instrument :  
BNA\_F  
ClientSampleId :  
PB156430BL

Tgt Ion: 99 Resp: 2295636

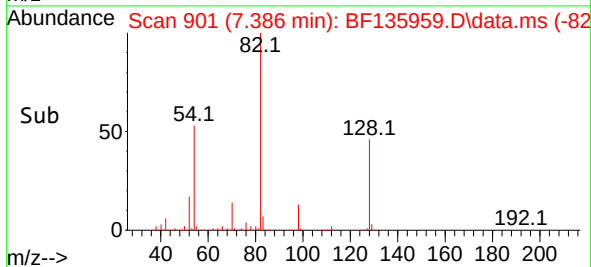
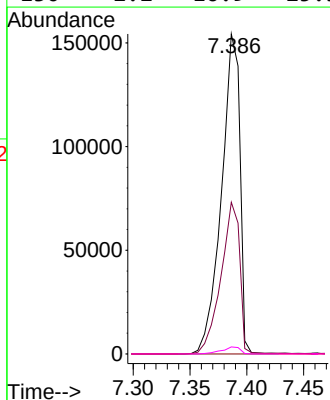
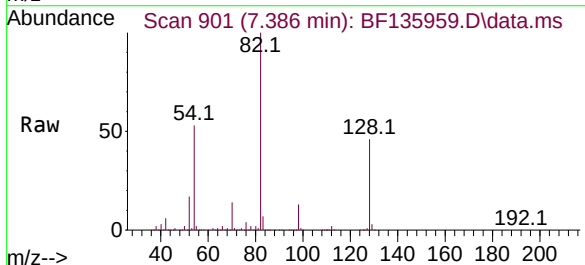
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.2  | 13.8  | 20.8  |
| 71  | 32.3  | 25.1  | 37.7  |

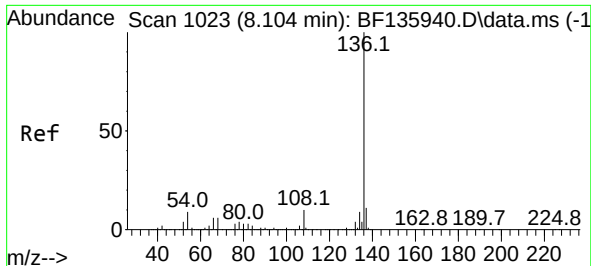


#19  
n-Nitroso-di-n-propylamine  
Concen: 22.513 ng  
RT: 7.386 min Scan# 901  
Delta R.T. 0.147 min  
Lab File: BF135959.D  
Acq: 26 Oct 2023 12:47

Tgt Ion: 70 Resp: 174254

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 47.4  | 47.3  | 70.9  |
| 101 | 0.0   | 7.8   | 11.8# |
| 130 | 2.2   | 16.9  | 25.3# |



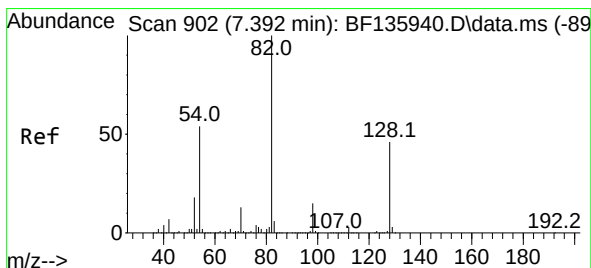
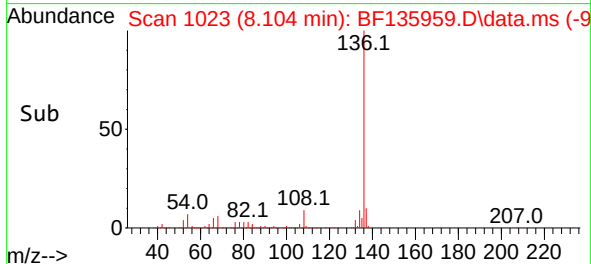
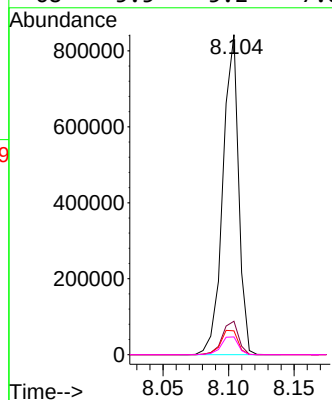
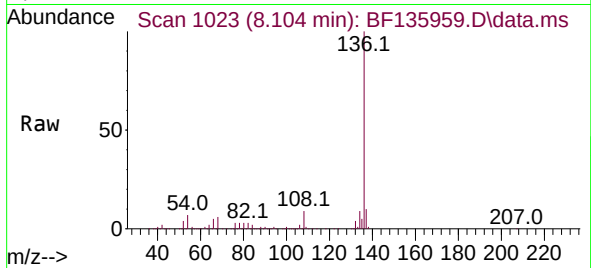


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.104 min Scan# 1023  
Delta R.T. 0.000 min  
Lab File: BF135959.D  
Acq: 26 Oct 2023 12:47

Instrument :  
BNA\_F  
ClientSampleId :  
PB156430BL

Tgt Ion:136 Resp: 701433

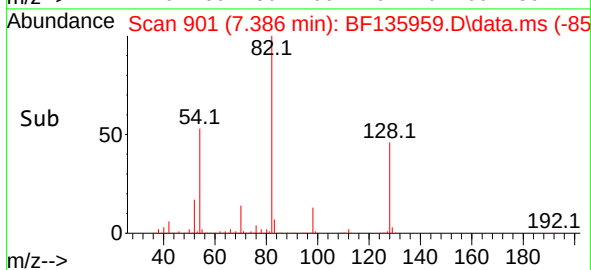
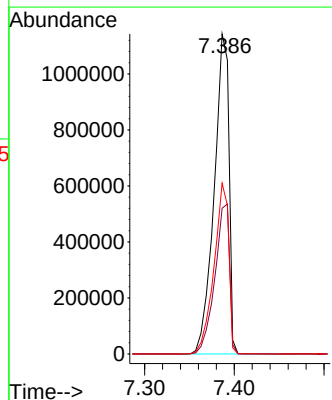
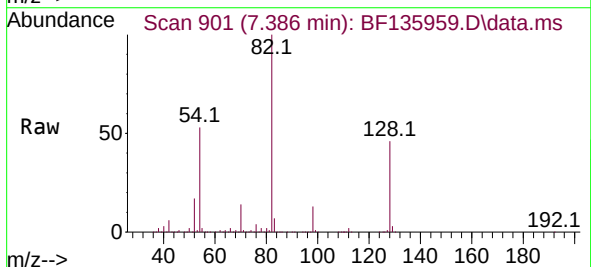
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.4  | 9.0   | 13.6  |
| 54  | 7.5   | 7.1   | 10.7  |
| 68  | 5.5   | 5.2   | 7.8   |

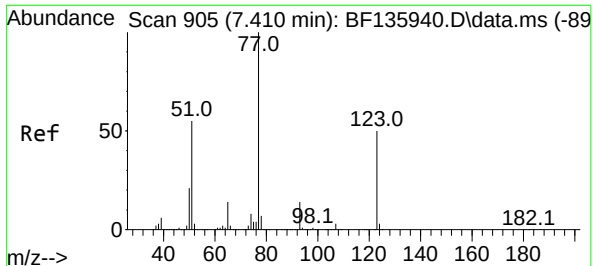


#23  
Nitrobenzene-d5  
Concen: 116.447 ng  
RT: 7.386 min Scan# 901  
Delta R.T. -0.006 min  
Lab File: BF135959.D  
Acq: 26 Oct 2023 12:47

Tgt Ion: 82 Resp: 1309307

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 45.6  | 36.8  | 55.2  |
| 54  | 53.4  | 43.4  | 65.0  |

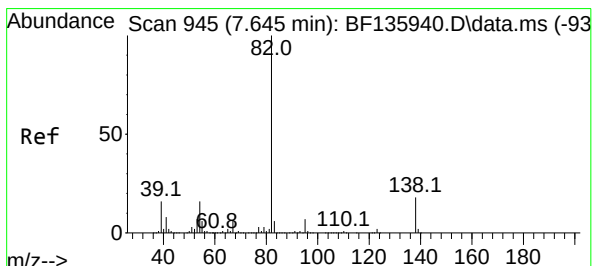
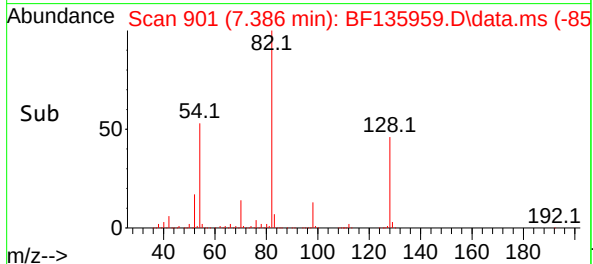
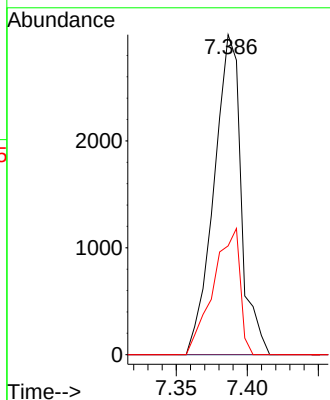
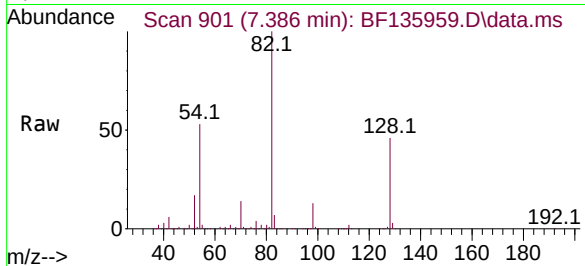




#24  
Nitrobenzene  
Concen: 2.907 ng  
RT: 7.386 min Scan# 901  
Delta R.T. -0.024 min  
Lab File: BF135959.D  
Acq: 26 Oct 2023 12:47

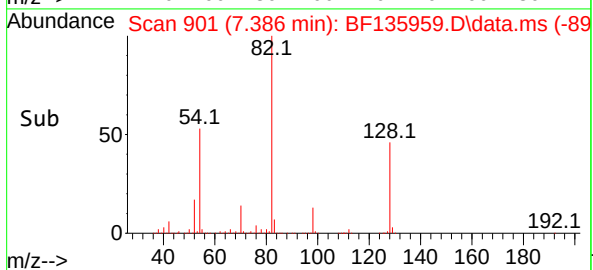
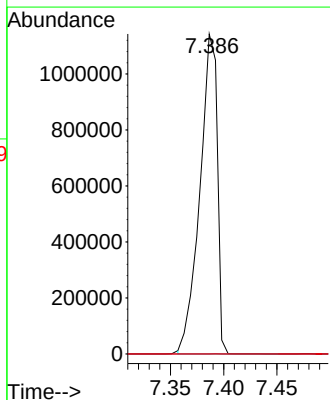
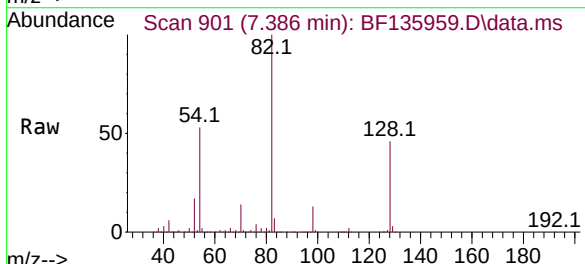
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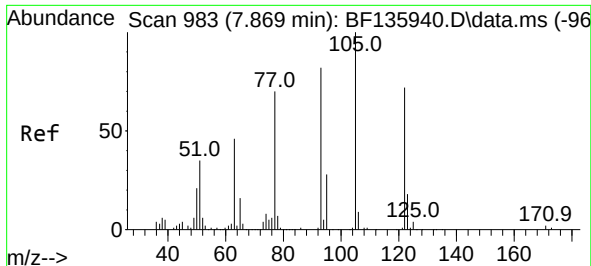
Tgt Ion: 77 Resp: 3997  
Ion Ratio Lower Upper  
77 100  
123 0.0 40.2 60.2#  
65 34.0 11.0 16.4#



#25  
Isophorone  
Concen: 58.802 ng  
RT: 7.386 min Scan# 901  
Delta R.T. -0.259 min  
Lab File: BF135959.D  
Acq: 26 Oct 2023 12:47

Tgt Ion: 82 Resp: 1303729  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 14.8 22.2#

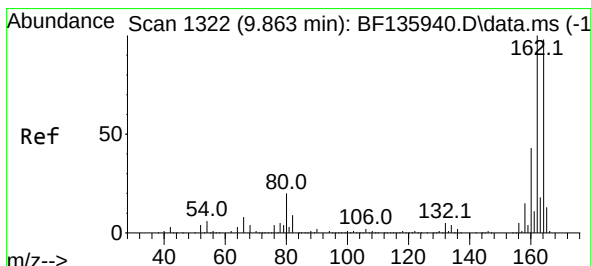
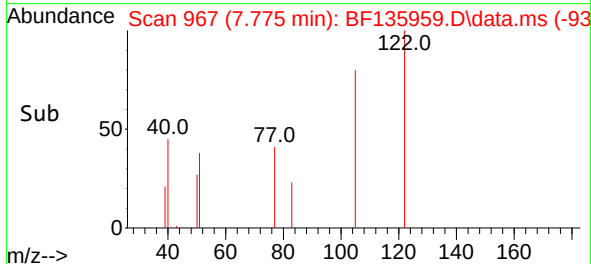
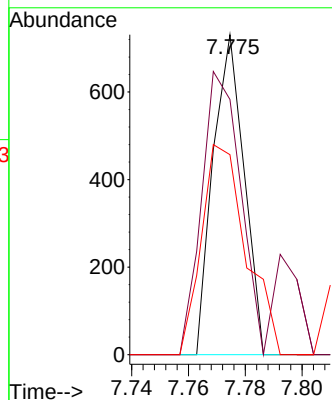
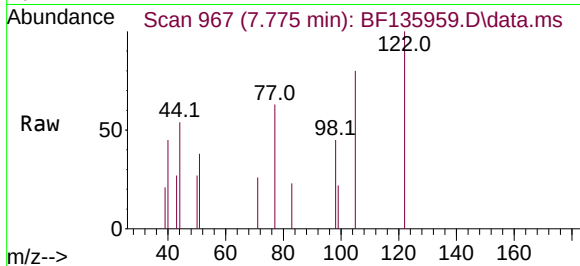




#32  
Benzoic acid  
Concen: 5.894 ng  
RT: 7.775 min Scan# 90  
Delta R.T. -0.094 min  
Lab File: BF135959.D  
Acq: 26 Oct 2023 12:47

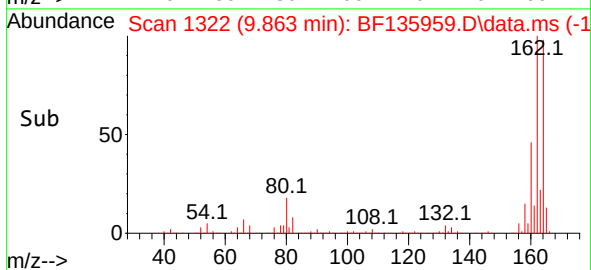
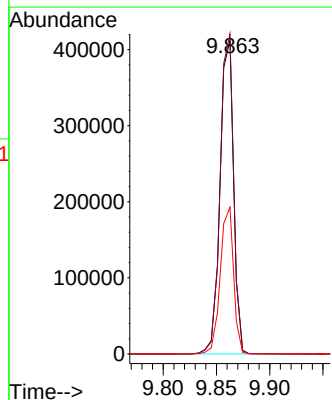
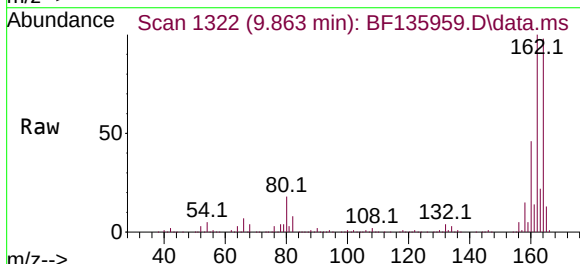
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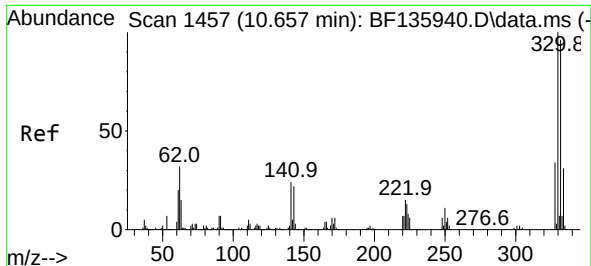
Tgt Ion:122 Resp: 551  
Ion Ratio Lower Upper  
122 100  
105 79.8 113.1 153.1#  
77 62.5 75.2 115.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.863 min Scan# 1322  
Delta R.T. -0.000 min  
Lab File: BF135959.D  
Acq: 26 Oct 2023 12:47

Tgt Ion:164 Resp: 362718  
Ion Ratio Lower Upper  
164 100  
162 102.1 82.0 123.0  
160 46.8 35.6 53.4

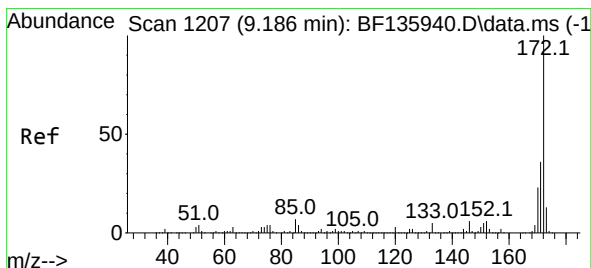
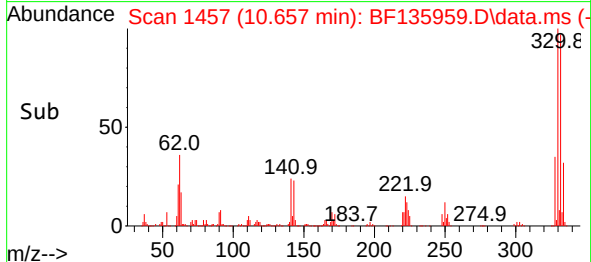
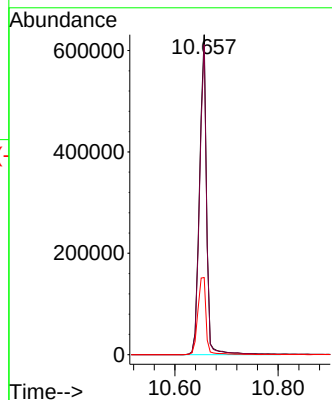
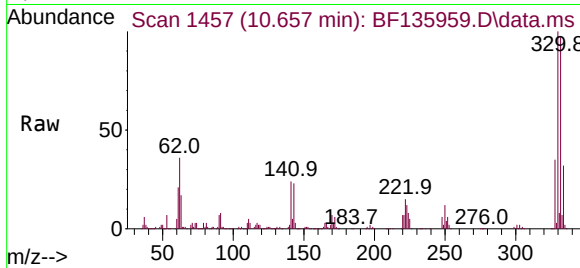




#42  
2,4,6-Tribromophenol  
Concen: 187.207 ng  
RT: 10.657 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: BF135959.D  
Acq: 26 Oct 2023 12:47

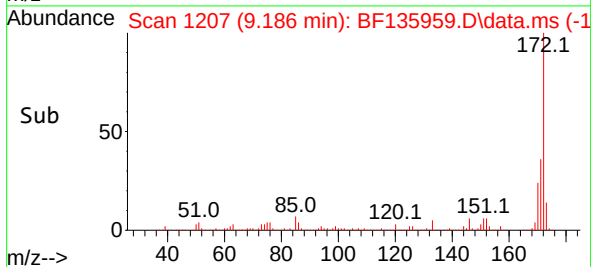
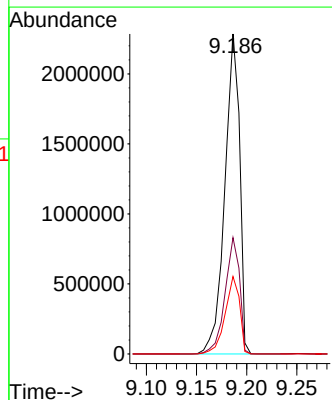
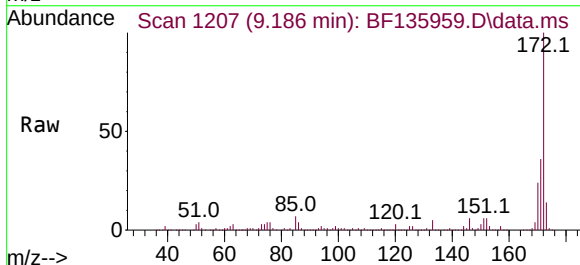
Instrument :  
BNA\_F  
ClientSampleId :  
PB156430BL

Tgt Ion:330 Resp: 594356  
Ion Ratio Lower Upper  
330 100  
332 96.9 77.4 116.2  
141 28.6 24.9 37.3

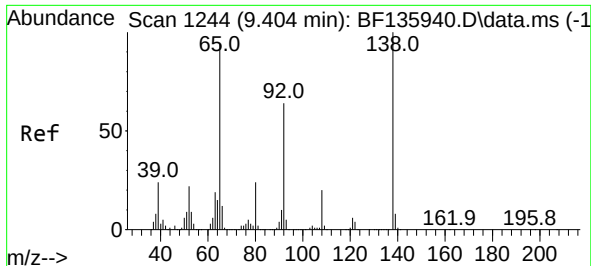


#45  
2-Fluorobiphenyl  
Concen: 103.249 ng  
RT: 9.186 min Scan# 1207  
Delta R.T. -0.000 min  
Lab File: BF135959.D  
Acq: 26 Oct 2023 12:47

Tgt Ion:172 Resp: 2338825  
Ion Ratio Lower Upper  
172 100  
171 36.4 28.6 43.0  
170 24.2 18.6 28.0



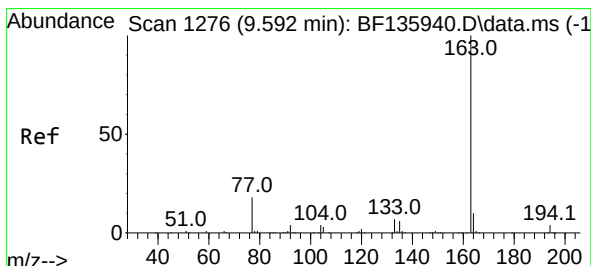
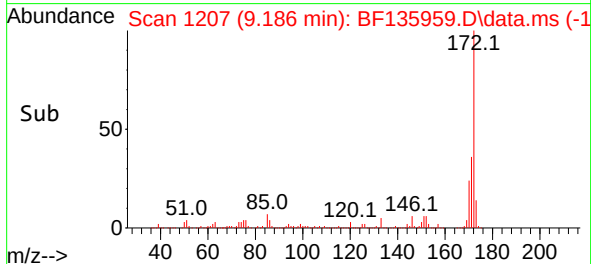
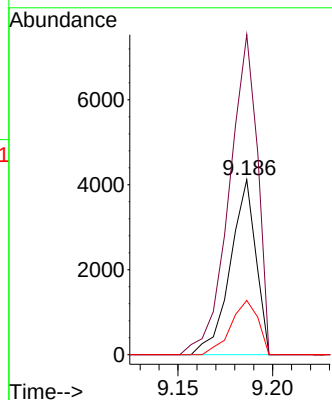
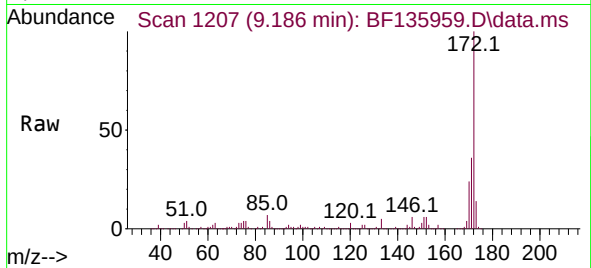




#48  
2-Nitroaniline  
Concen: 4.952 ng  
RT: 9.186 min Scan# 11  
Delta R.T. -0.218 min  
Lab File: BF135959.D  
Acq: 26 Oct 2023 12:47

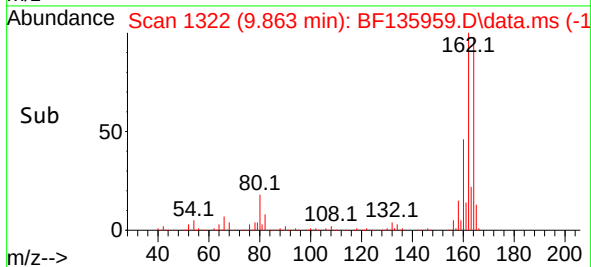
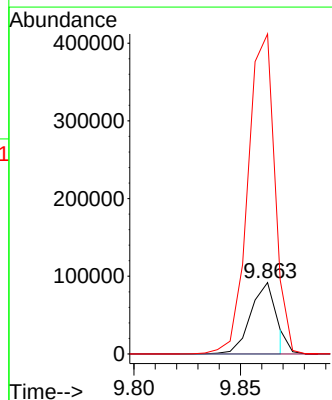
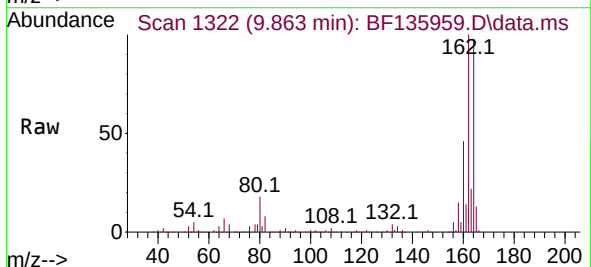
Instrument :  
BNA\_F  
ClientSampleId :  
PB156430BL

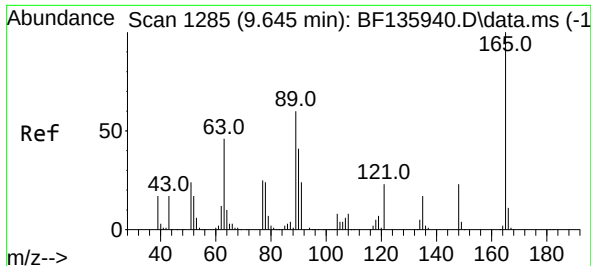
Tgt Ion: 65 Resp: 3885  
Ion Ratio Lower Upper  
65 100  
92 182.8 54.9 82.3#  
138 31.0 85.2 127.8#



#50  
Dimethylphthalate  
Concen: 3.259 ng  
RT: 9.863 min Scan# 1322  
Delta R.T. 0.271 min  
Lab File: BF135959.D  
Acq: 26 Oct 2023 12:47

Tgt Ion: 163 Resp: 76650  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.4 5.0#  
164 448.1 8.3 12.5#

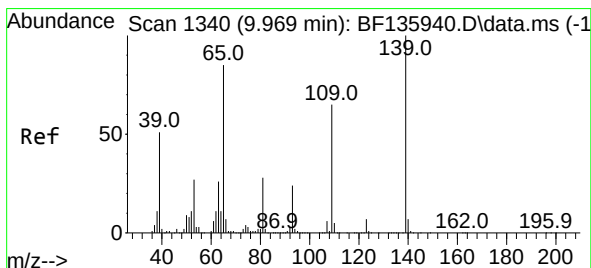
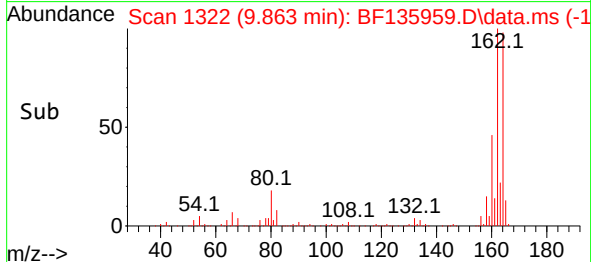
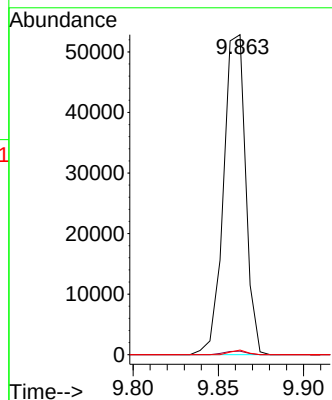
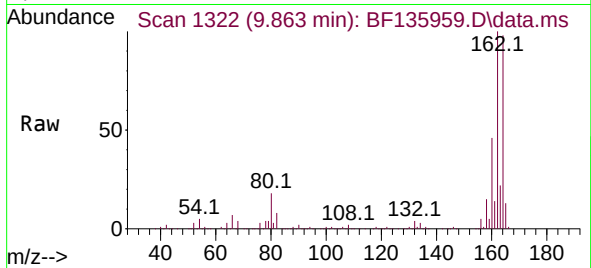




#51  
2,6-Dinitrotoluene  
Concen: 13.656 ng  
RT: 9.863 min Scan# 11  
Delta R.T. 0.218 min  
Lab File: BF135959.D  
Acq: 26 Oct 2023 12:47

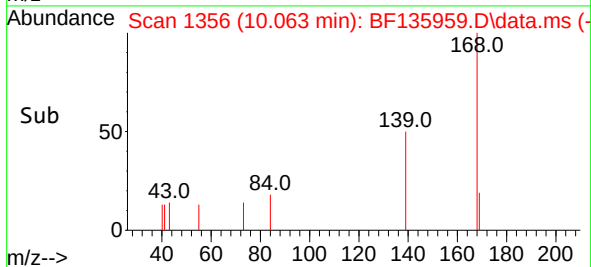
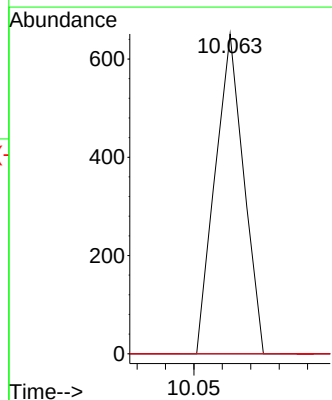
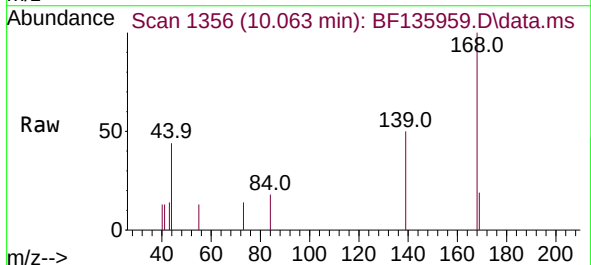
Instrument :  
BNA\_F  
ClientSampleId :  
PB156430BL

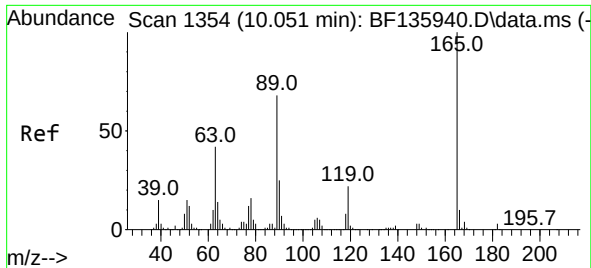
Tgt Ion:165 Resp: 47715  
Ion Ratio Lower Upper  
165 100  
63 1.1 51.7 77.5#  
89 1.5 48.3 72.5#



#56  
4-Nitrophenol  
Concen: 6.272 ng  
RT: 10.063 min Scan# 1356  
Delta R.T. 0.094 min  
Lab File: BF135959.D  
Acq: 26 Oct 2023 12:47

Tgt Ion:139 Resp: 454  
Ion Ratio Lower Upper  
139 100  
109 0.0 45.2 85.2#  
65 0.0 65.1 105.1#

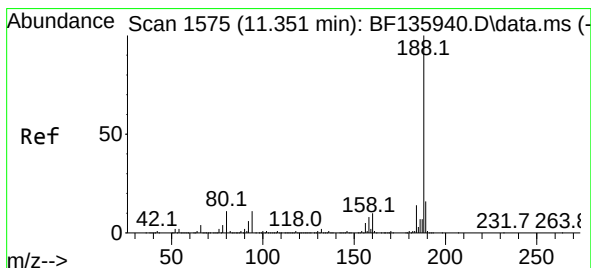
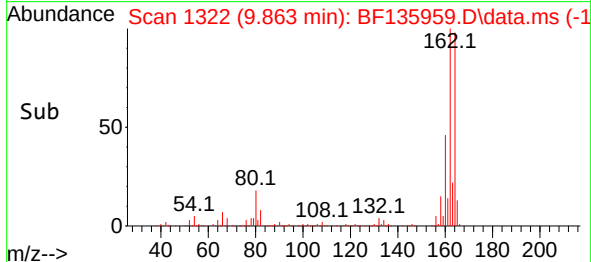
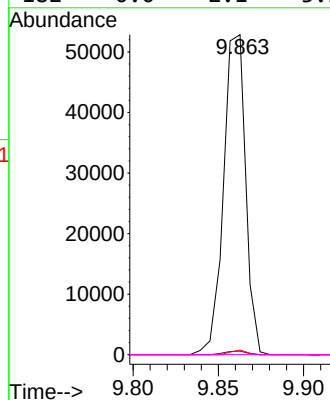
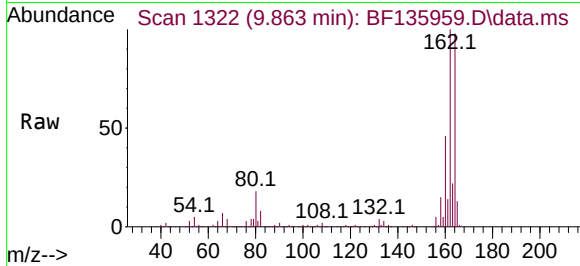




#57  
2,4-Dinitrotoluene  
Concen: 12.773 ng  
RT: 9.863 min Scan# 11  
Delta R.T. -0.188 min  
Lab File: BF135959.D  
Acq: 26 Oct 2023 12:47

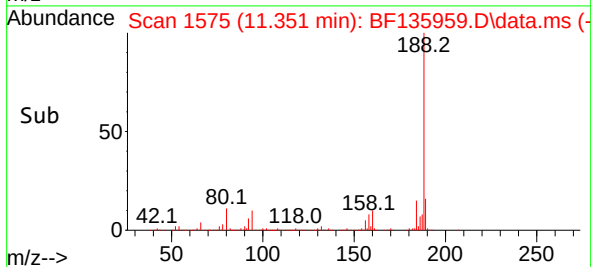
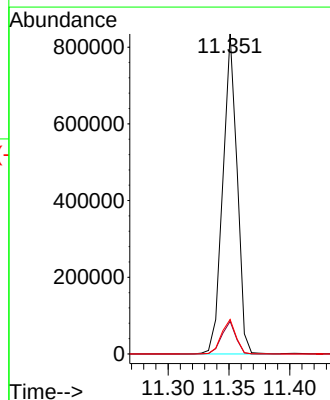
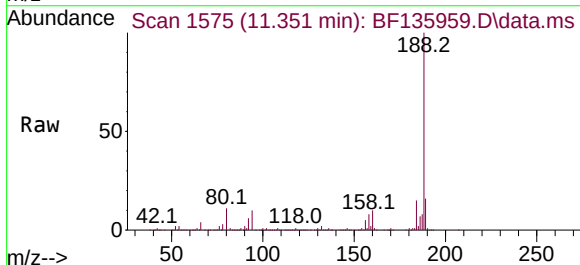
Instrument :  
BNA\_F  
ClientSampleId :  
PB156430BL

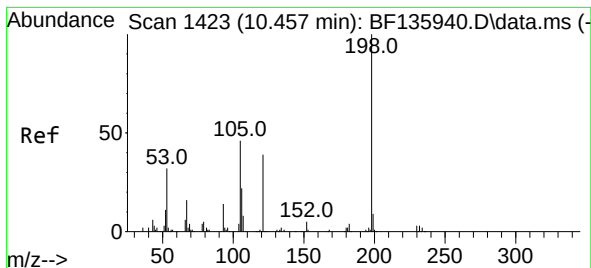
Tgt Ion:165 Resp: 47715  
Ion Ratio Lower Upper  
165 100  
63 1.1 33.7 50.5#  
89 1.5 54.6 81.8#  
182 0.0 2.1 3.1#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.351 min Scan# 1575  
Delta R.T. -0.000 min  
Lab File: BF135959.D  
Acq: 26 Oct 2023 12:47

Tgt Ion:188 Resp: 682094  
Ion Ratio Lower Upper  
188 100  
94 10.2 8.6 13.0  
80 10.8 9.0 13.6

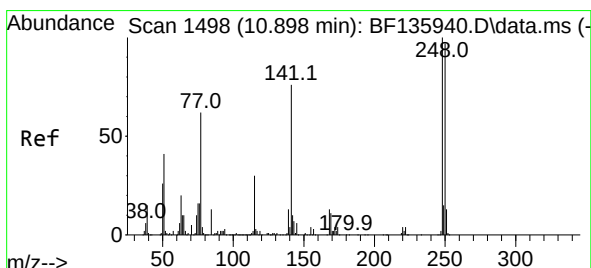
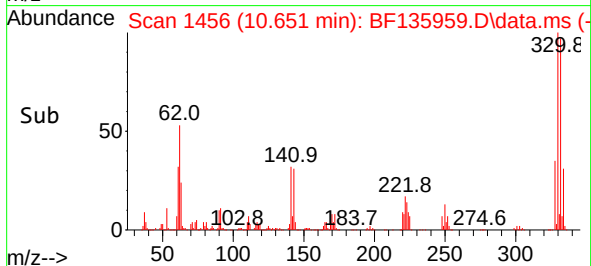
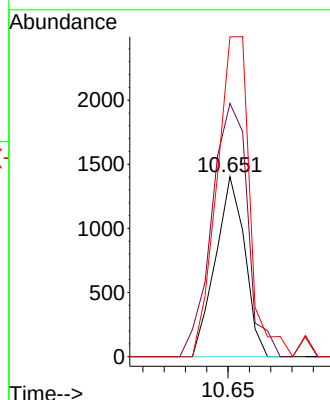
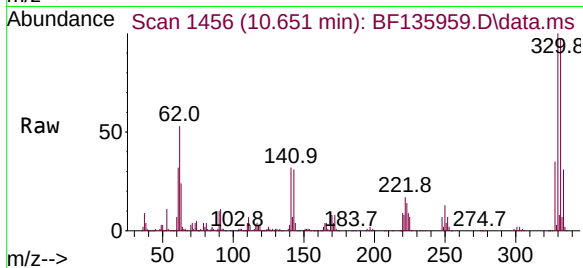




#65  
4,6-Dinitro-2-methylphenol  
Concen: 7.689 ng  
RT: 10.651 min Scan# 1456  
Delta R.T. 0.194 min  
Lab File: BF135959.D  
Acq: 26 Oct 2023 12:47

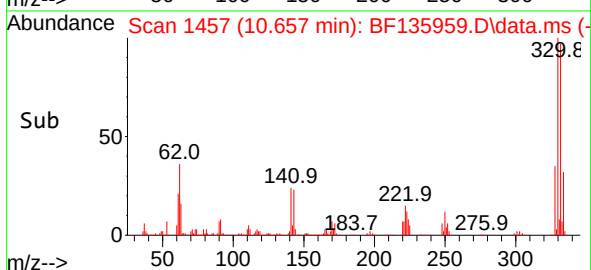
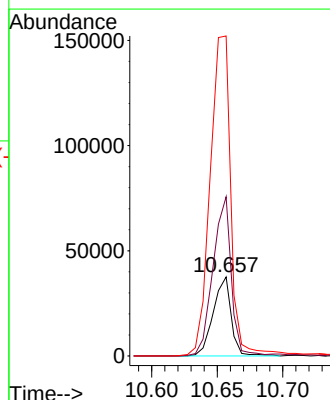
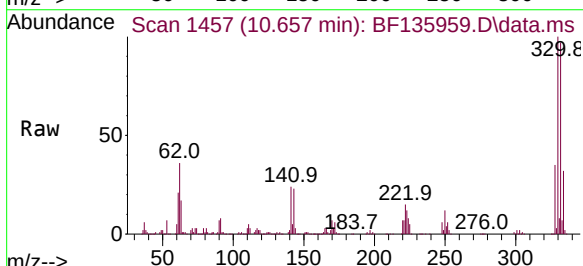
Instrument :  
BNA\_F  
ClientSampleId :  
PB156430BL

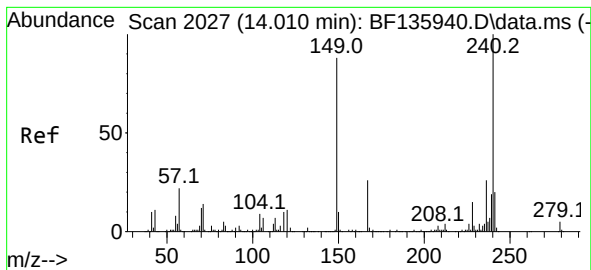
Tgt Ion:198 Resp: 1342  
Ion Ratio Lower Upper  
198 100  
51 140.8 28.7 68.7#  
105 177.8 27.2 67.2#



#67  
4-Bromophenyl-phenylether  
Concen: 5.139 ng  
RT: 10.657 min Scan# 1457  
Delta R.T. -0.241 min  
Lab File: BF135959.D  
Acq: 26 Oct 2023 12:47

Tgt Ion:248 Resp: 35897  
Ion Ratio Lower Upper  
248 100  
250 201.4 77.9 116.9#  
141 404.8 60.8 91.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF135959.D

Acq: 26 Oct 2023 12:47

Instrument :

BNA\_F

ClientSampleId :

PB156430BL

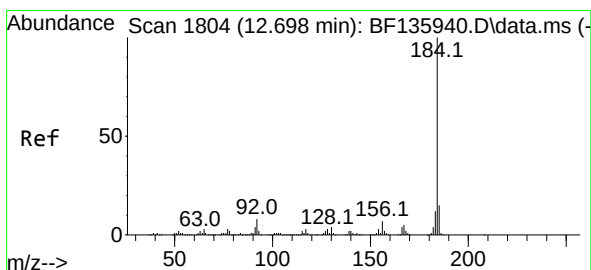
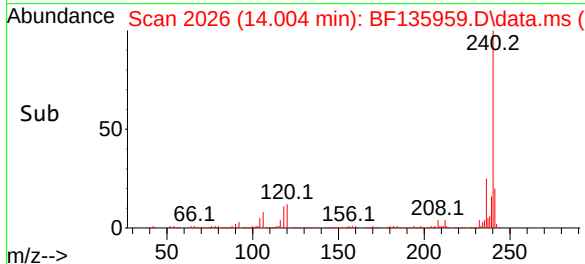
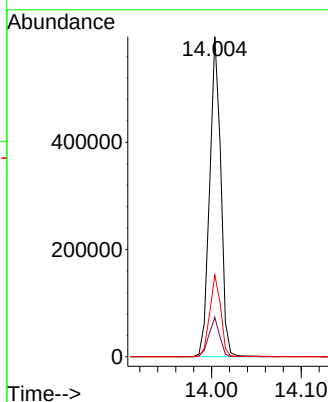
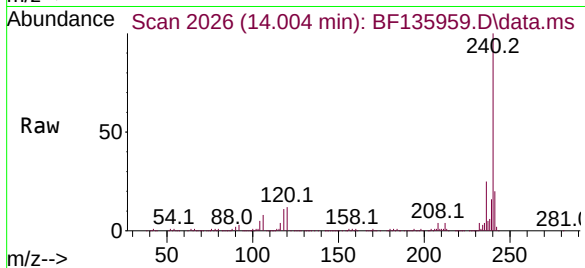
Tgt Ion:240 Resp: 513893

Ion Ratio Lower Upper

240 100

120 12.3 8.6 13.0

236 25.5 20.6 30.8



#77

Benzidine

Concen: 3.387 ng

RT: 12.963 min Scan# 1849

Delta R.T. 0.265 min

Lab File: BF135959.D

Acq: 26 Oct 2023 12:47

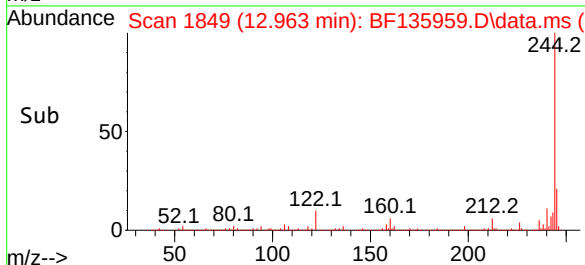
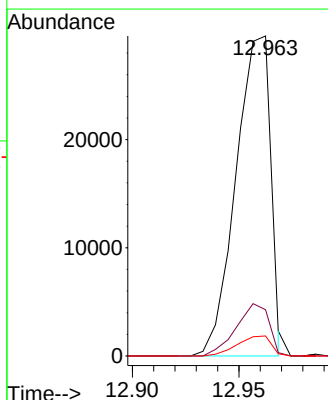
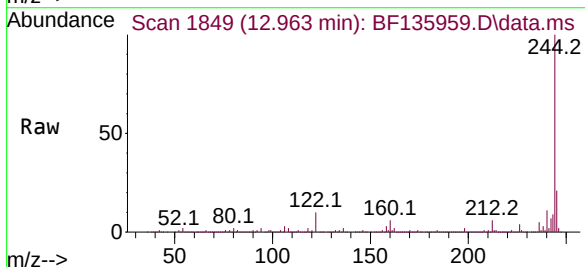
Tgt Ion:184 Resp: 33561

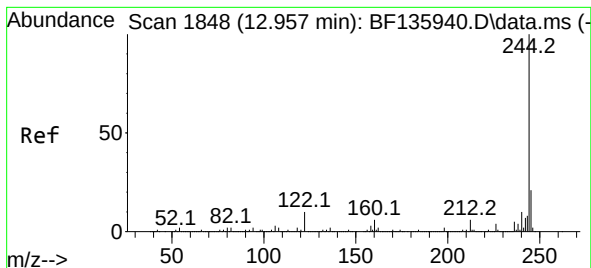
Ion Ratio Lower Upper

184 100

185 14.4 11.7 17.5

183 6.3 9.2 13.8#





#79

Terphenyl-d14

Concen: 91.511 ng

RT: 12.963 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF135959.D

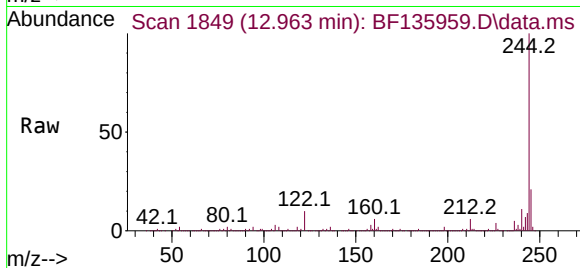
Acq: 26 Oct 2023 12:47

Instrument :

BNA\_F

ClientSampleId :

PB156430BL



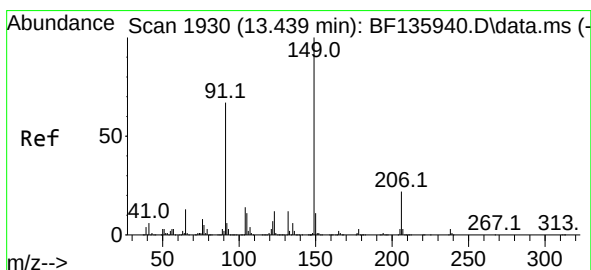
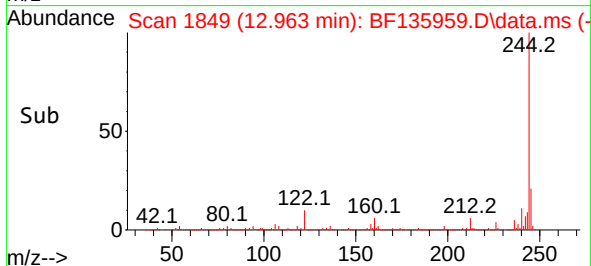
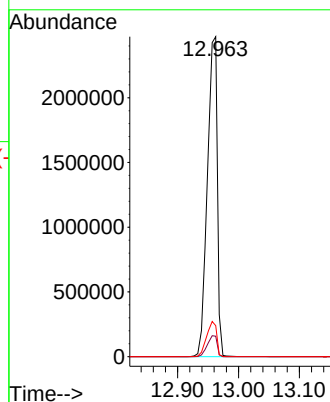
Tgt Ion:244 Resp: 2814669

Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.6

122 9.7 8.0 12.0



#80

Butylbenzylphthalate

Concen: 3.845 ng

RT: 13.433 min Scan# 1929

Delta R.T. -0.006 min

Lab File: BF135959.D

Acq: 26 Oct 2023 12:47

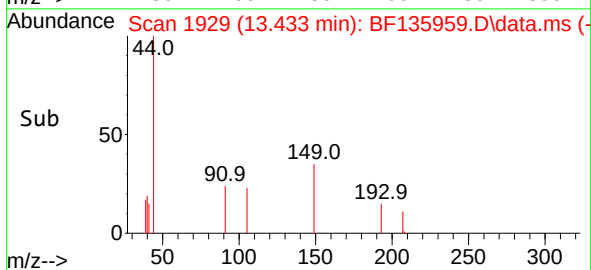
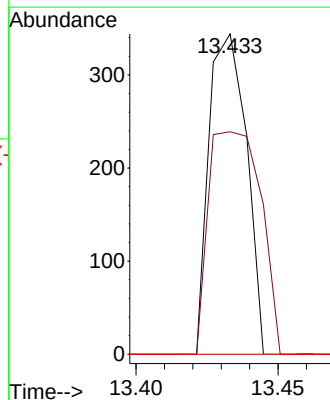
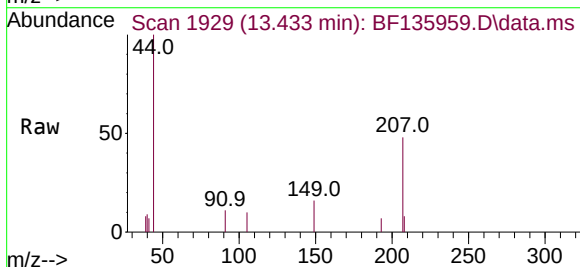
Tgt Ion:149 Resp: 315

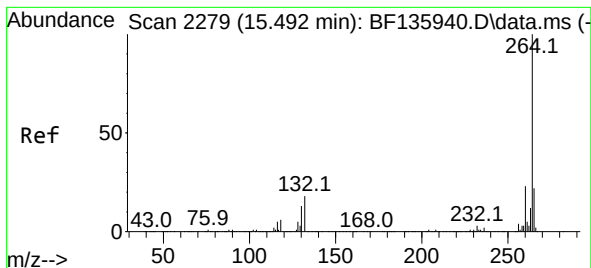
Ion Ratio Lower Upper

149 100

91 69.5 53.4 80.0

206 0.0 17.5 26.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135959.D

Acq: 26 Oct 2023 12:47

Instrument :

BNA\_F

ClientSampleId :

PB156430BL

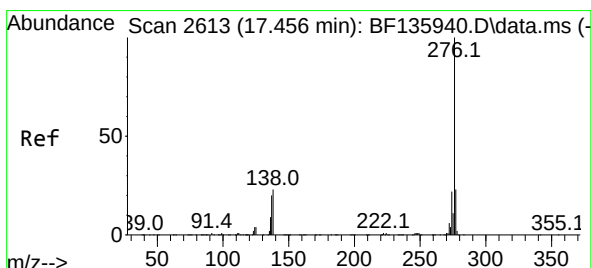
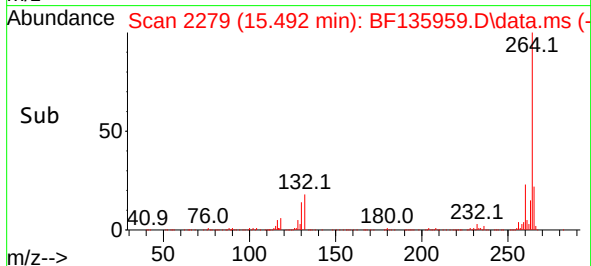
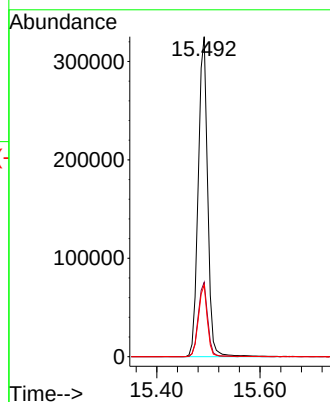
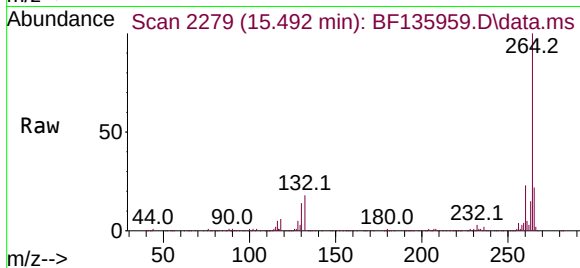
Tgt Ion:264 Resp: 410598

Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 22.4 17.3 25.9



#92

Benzo(g,h,i)perylene

Concen: 3.778 ng

RT: 17.439 min Scan# 2610

Delta R.T. -0.017 min

Lab File: BF135959.D

Acq: 26 Oct 2023 12:47

Tgt Ion:276 Resp: 502

Ion Ratio Lower Upper

276 100

277 0.0 18.6 28.0#

138 0.0 18.4 27.6#

