

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060624\  
 Data File : BF138146.D  
 Acq On : 06 Jun 2024 21:44  
 Operator : CG\JU  
 Sample : P2718-04  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-4B

Quant Time: Jun 07 03:19:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060524.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 06 05:19:29 2024  
 Response via : Initial Calibration

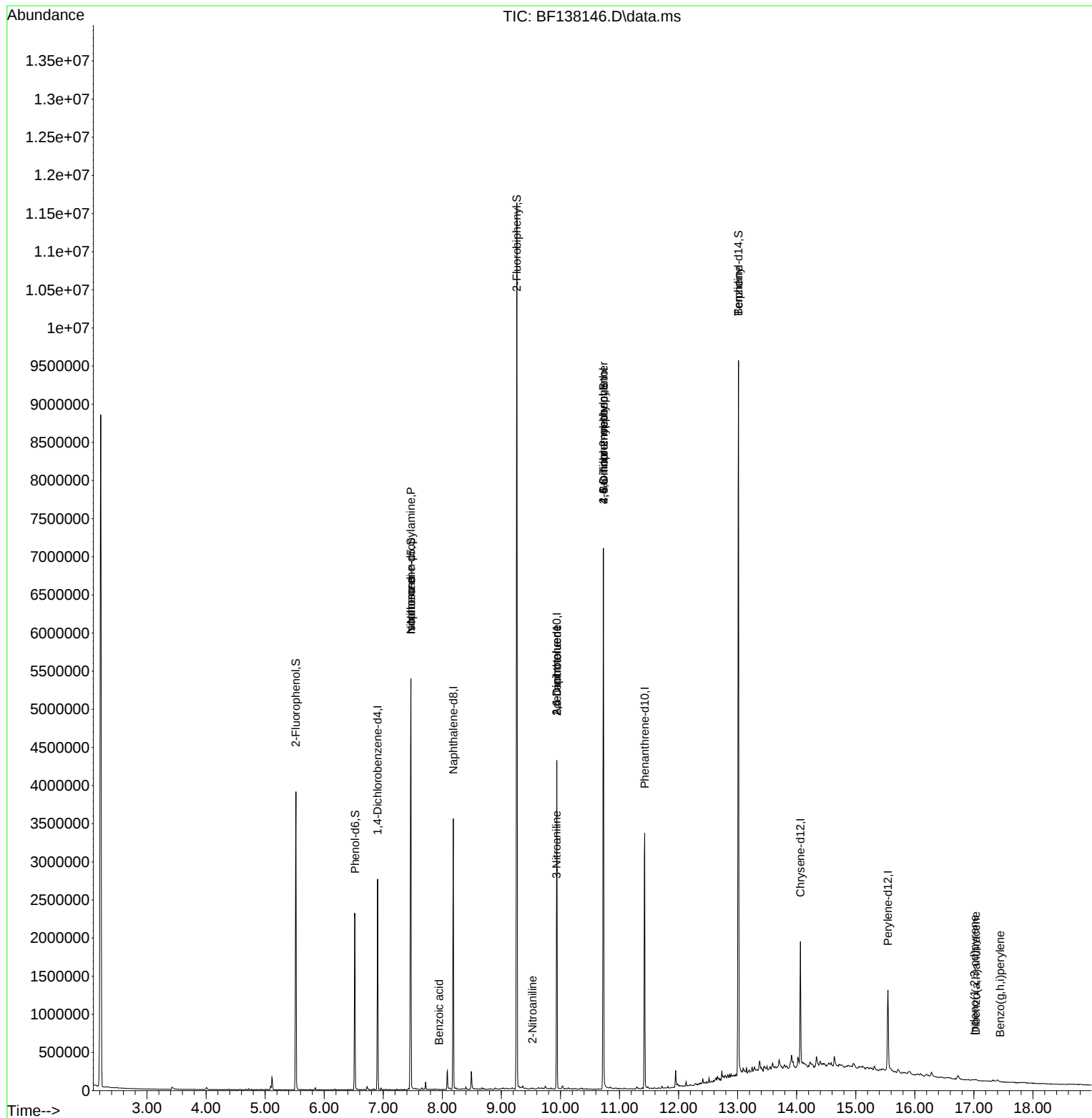
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.904  | 152  | 357535   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.186  | 136  | 1396591  | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.939  | 164  | 772224   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.427 | 188  | 1218971  | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 14.063 | 240  | 563187   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 15.545 | 264  | 568374   | 20.000    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.522  | 112  | 1003866  | 47.851    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.522  | 99   | 768039   | 28.935    | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.469  | 82   | 1689276  | 82.296    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.727 | 330  | 926547   | 124.675   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.263  | 172  | 3525347  | 79.824    | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.016 | 244  | 3303714  | 87.741    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.457  | 77   | 374      | Below Cal | #     | 39       |
| 19) n-Nitroso-di-n-propyla... | 7.469  | 70   | 226907   | 13.407    | ng    | # 77     |
| 25) Isophorone                | 7.469  | 82   | 1688976  | 37.349    | ng    | # 63     |
| 32) Benzoic acid              | 7.945  | 122  | 108      | 7.944     | ng    | # 49     |
| 48) 2-Nitroaniline            | 9.528  | 65   | 883      | 4.871     | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.939  | 165  | 101685   | 12.374    | ng    | # 25     |
| 53) 3-Nitroaniline            | 9.933  | 138  | 282      | 2.970     | ng    | # 1      |
| 57) 2,4-Dinitrotoluene        | 9.939  | 165  | 101685   | 11.256    | ng    | # 22     |
| 65) 4,6-Dinitro-2-methylph... | 10.727 | 198  | 2011     | 8.845     | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.727 | 248  | 55873    | 4.026     | ng    | # 1      |
| 77) Benzidine                 | 13.016 | 184  | 41042    | 7.082     | ng    | # 96     |
| 87) Indeno(1,2,3-cd)pyrene    | 17.009 | 276  | 8789     | 3.746     | ng    | # 84     |
| 91) Dibenzo(a,h)anthracene    | 17.033 | 278  | 10301    | 4.040     | ng    | # 85     |
| 92) Benzo(g,h,i)perylene      | 17.445 | 276  | 7320     | 3.251     | ng    | # 89     |
| -----                         |        |      |          |           |       |          |

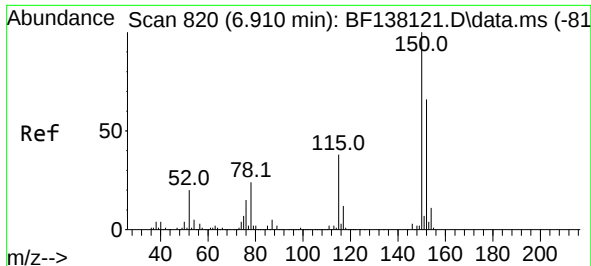
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060624\  
Data File : BF138146.D  
Acq On : 06 Jun 2024 21:44  
Operator : CG\JU  
Sample : P2718-04  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-4B

Quant Time: Jun 07 03:19:24 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 06 05:19:29 2024  
Response via : Initial Calibration

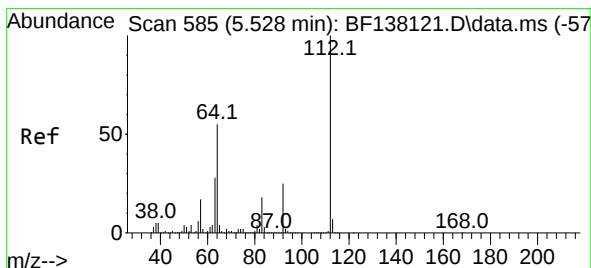
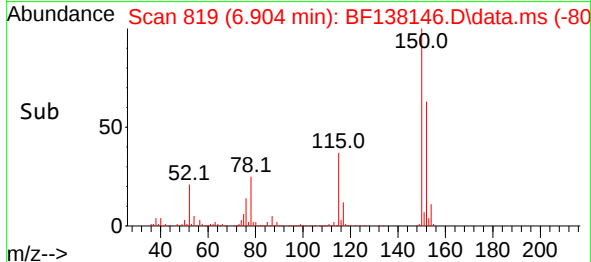
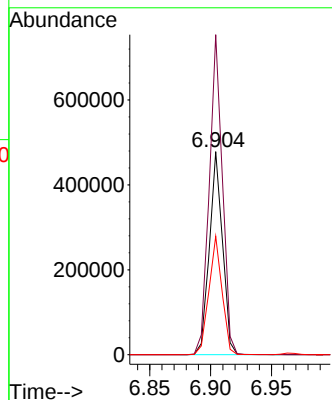
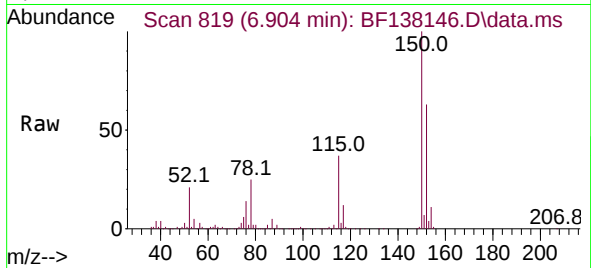




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.904 min Scan# 81  
 Delta R.T. -0.006 min  
 Lab File: BF138146.D  
 Acq: 06 Jun 2024 21:44

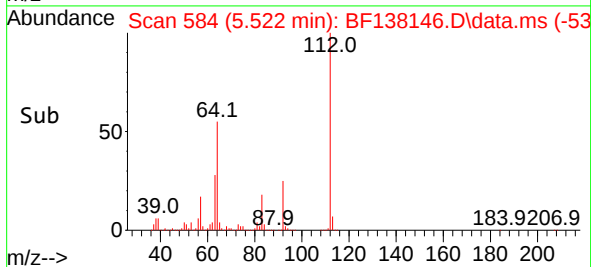
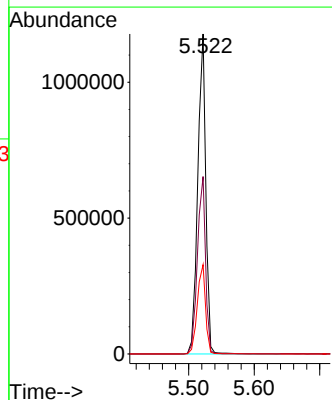
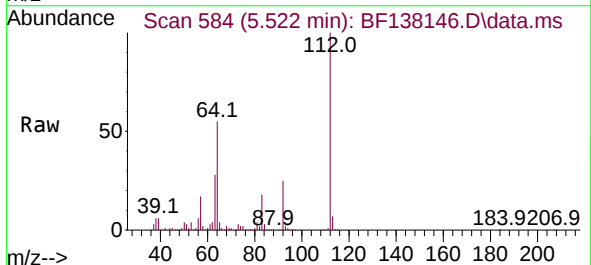
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-4B

Tgt Ion:152 Resp: 357535  
 Ion Ratio Lower Upper  
 152 100  
 150 157.6 121.8 182.6  
 115 58.3 46.2 69.2



#5  
 2-Fluorophenol  
 Concen: 47.851 ng  
 RT: 5.522 min Scan# 584  
 Delta R.T. -0.006 min  
 Lab File: BF138146.D  
 Acq: 06 Jun 2024 21:44

Tgt Ion:112 Resp: 1003866  
 Ion Ratio Lower Upper  
 112 100  
 64 55.4 44.0 66.0  
 63 27.9 22.1 33.1

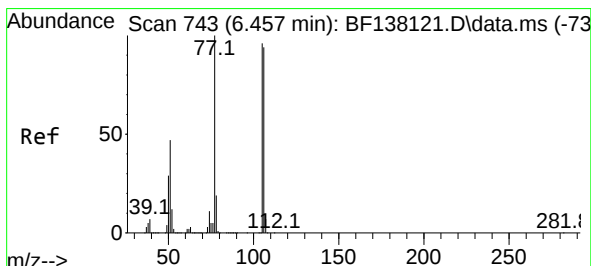
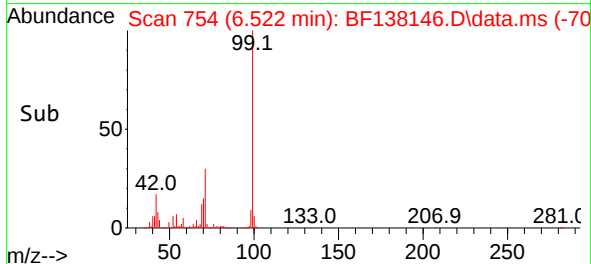
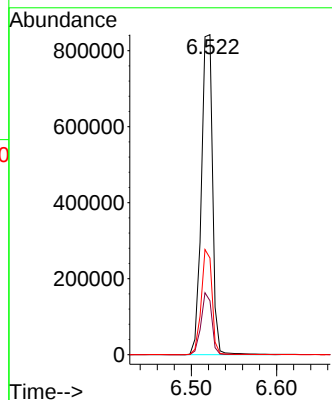
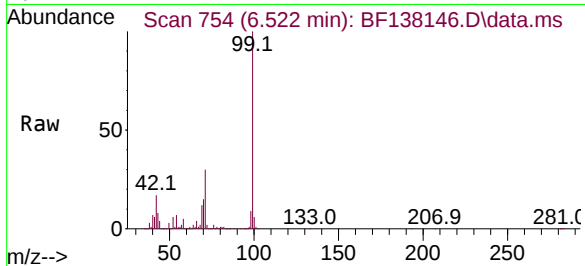




#7  
Phenol-d6  
Concen: 28.935 ng  
RT: 6.522 min Scan# 754  
Delta R.T. -0.012 min  
Lab File: BF138146.D  
Acq: 06 Jun 2024 21:44

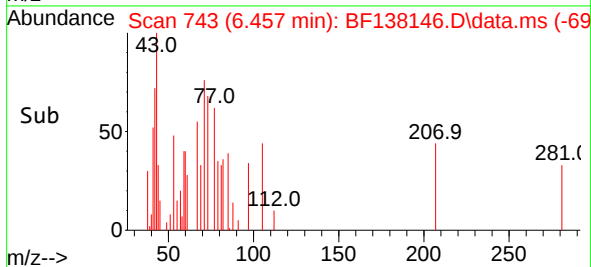
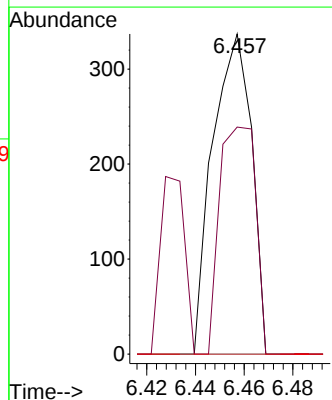
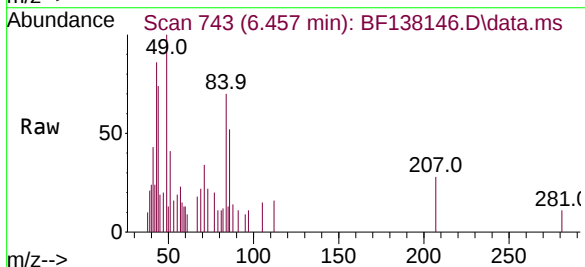
Instrument :  
BNA\_F  
ClientSampleId :  
MW-4B

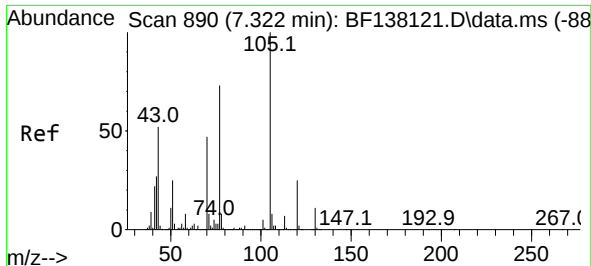
Tgt Ion: 99 Resp: 768039  
Ion Ratio Lower Upper  
99 100  
42 16.8 14.4 21.6  
71 30.2 25.5 38.3



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.457 min Scan# 743  
Delta R.T. 0.000 min  
Lab File: BF138146.D  
Acq: 06 Jun 2024 21:44

Tgt Ion: 77 Resp: 374  
Ion Ratio Lower Upper  
77 100  
105 70.9 75.8 115.8#  
106 0.0 73.9 113.9#

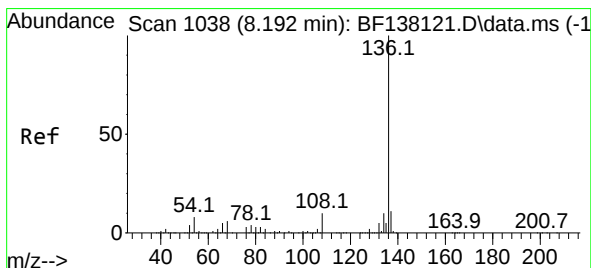
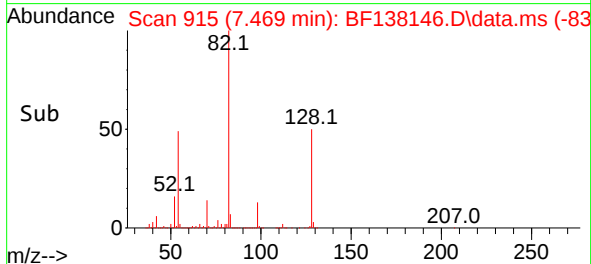
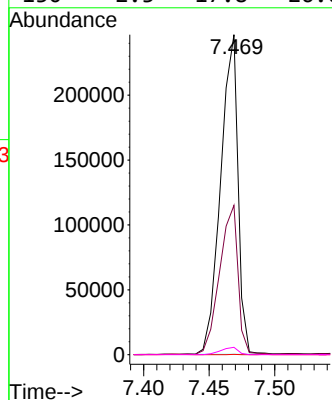
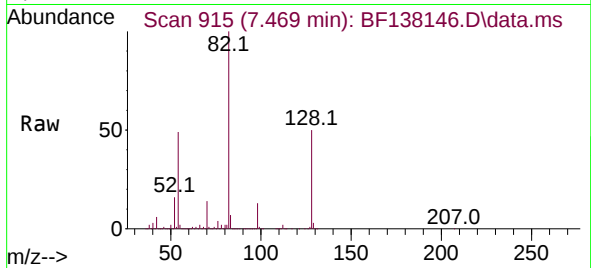




#19  
n-Nitroso-di-n-propylamine  
Concen: 13.407 ng  
RT: 7.469 min Scan# 915  
Delta R.T. 0.147 min  
Lab File: BF138146.D  
Acq: 06 Jun 2024 21:44

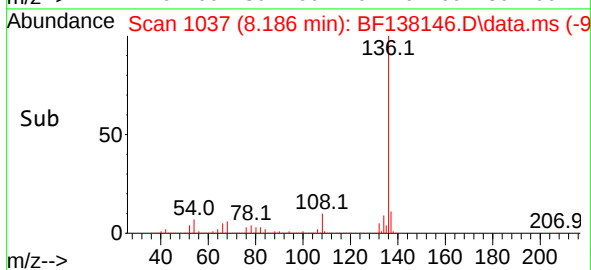
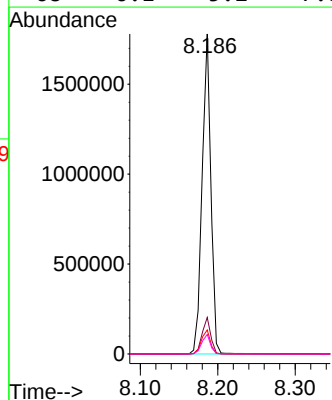
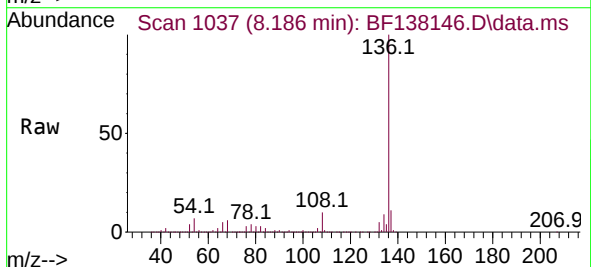
Instrument :  
BNA\_F  
ClientSampleId :  
MW-4B

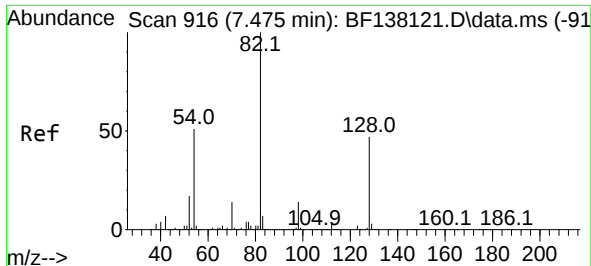
Tgt Ion: 70 Resp: 226907  
Ion Ratio Lower Upper  
70 100  
42 46.6 46.3 69.5  
101 0.1 7.7 11.5#  
130 2.3 17.8 26.6#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.186 min Scan# 1037  
Delta R.T. -0.006 min  
Lab File: BF138146.D  
Acq: 06 Jun 2024 21:44

Tgt Ion: 136 Resp: 1396591  
Ion Ratio Lower Upper  
136 100  
137 11.4 9.1 13.7  
54 7.5 6.2 9.2  
68 6.1 5.2 7.8

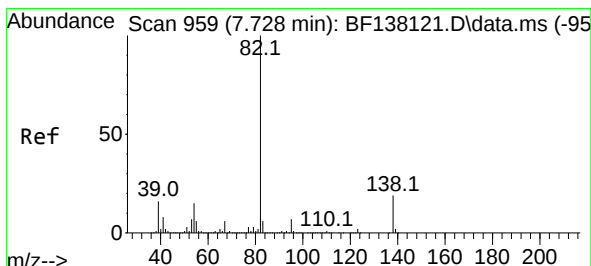
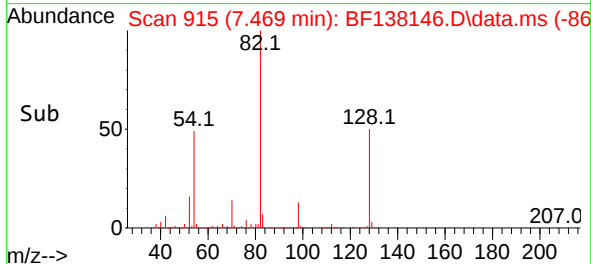
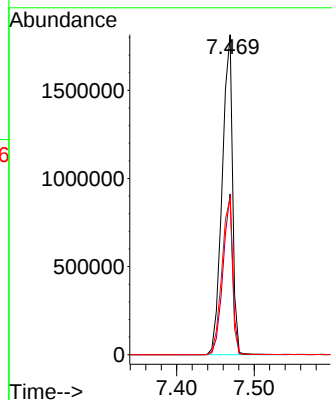
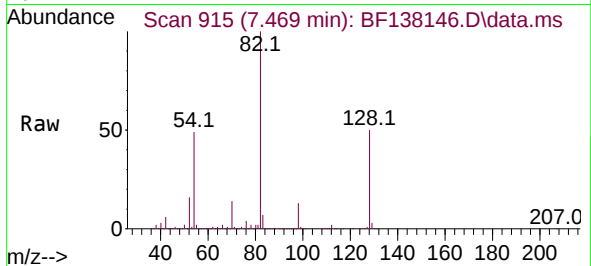




#23  
Nitrobenzene-d5  
Concen: 82.296 ng  
RT: 7.469 min Scan# 915  
Delta R.T. -0.006 min  
Lab File: BF138146.D  
Acq: 06 Jun 2024 21:44

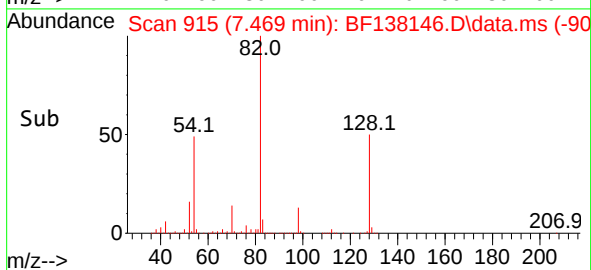
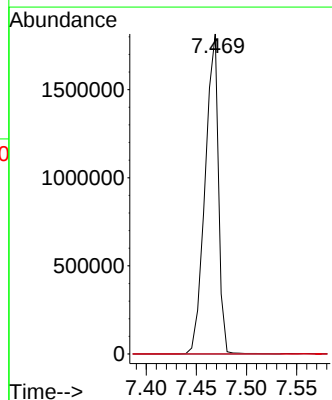
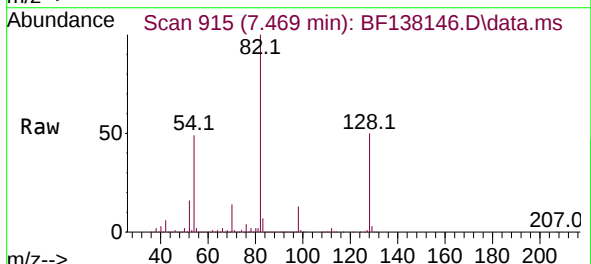
Instrument :  
BNA\_F  
ClientSampleId :  
MW-4B

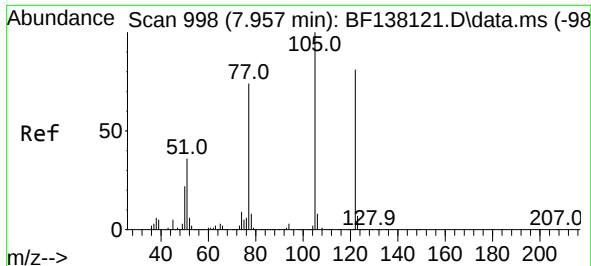
Tgt Ion: 82 Resp: 1689276  
Ion Ratio Lower Upper  
82 100  
128 50.3 37.7 56.5  
54 48.8 40.8 61.2



#25  
Isophorone  
Concen: 37.349 ng  
RT: 7.469 min Scan# 915  
Delta R.T. -0.259 min  
Lab File: BF138146.D  
Acq: 06 Jun 2024 21:44

Tgt Ion: 82 Resp: 1688976  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 15.5 23.3#

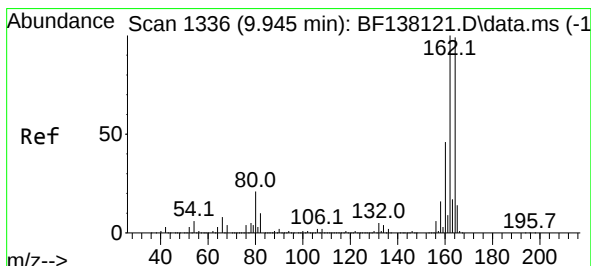
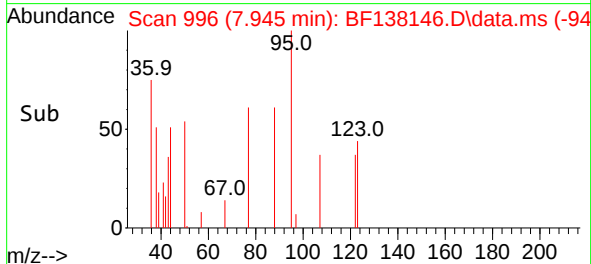
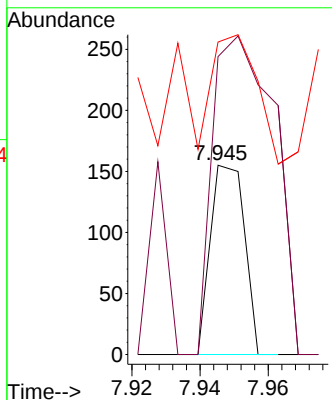
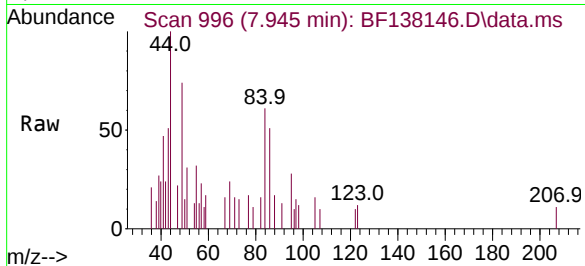




#32  
Benzoic acid  
Concen: 7.944 ng  
RT: 7.945 min Scan# 998  
Delta R.T. -0.012 min  
Lab File: BF138146.D  
Acq: 06 Jun 2024 21:44

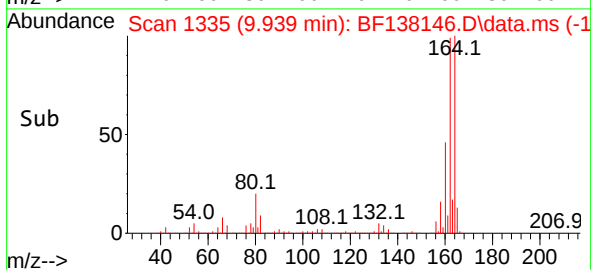
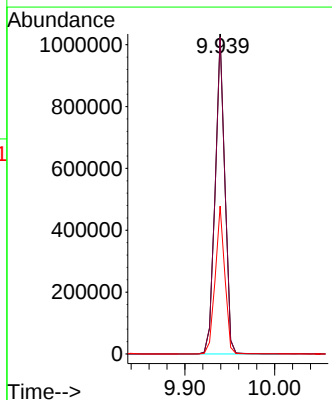
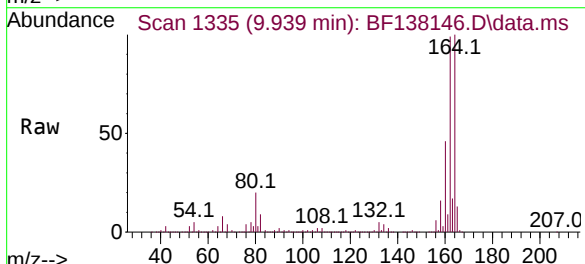
Instrument :  
BNA\_F  
ClientSampleId :  
MW-4B

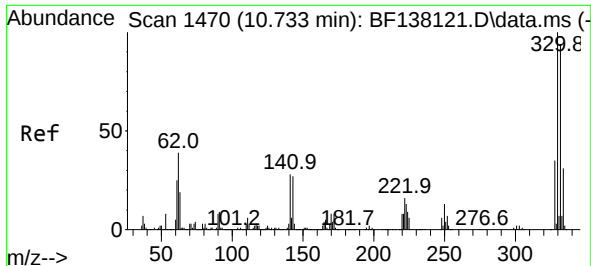
Tgt Ion:122 Resp: 108  
Ion Ratio Lower Upper  
122 100  
105 157.4 102.8 142.8#  
77 165.2 71.2 111.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.939 min Scan# 1335  
Delta R.T. -0.006 min  
Lab File: BF138146.D  
Acq: 06 Jun 2024 21:44

Tgt Ion:164 Resp: 772224  
Ion Ratio Lower Upper  
164 100  
162 99.0 80.9 121.3  
160 46.2 37.0 55.6

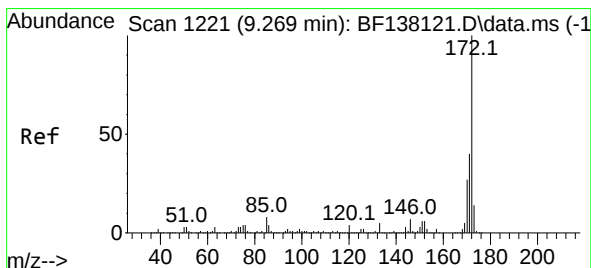
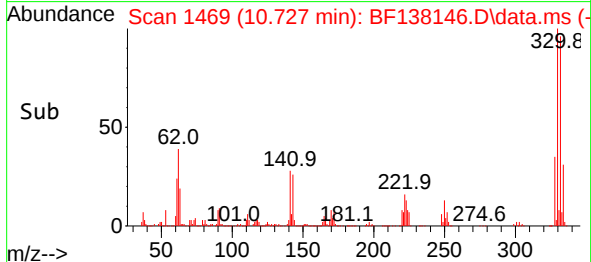
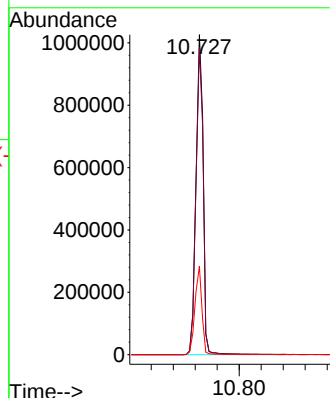
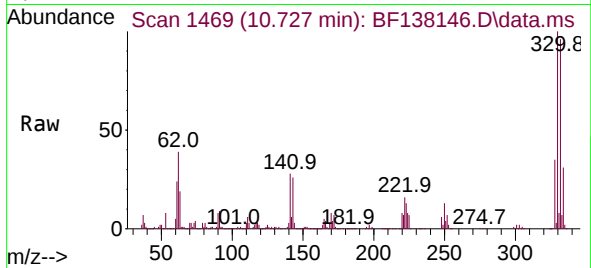




#42  
2,4,6-Tribromophenol  
Concen: 124.675 ng  
RT: 10.727 min Scan# 1469  
Delta R.T. -0.006 min  
Lab File: BF138146.D  
Acq: 06 Jun 2024 21:44

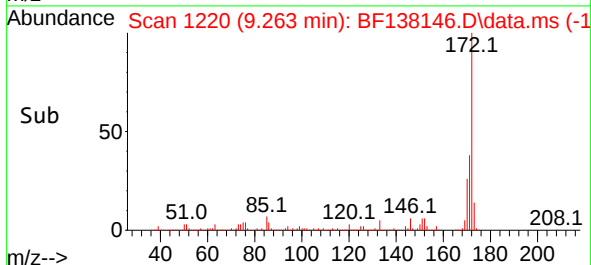
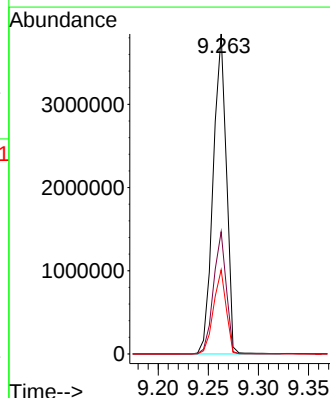
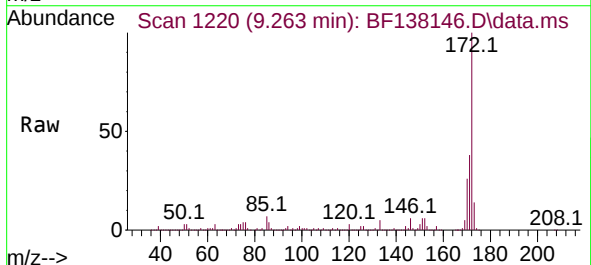
Instrument :  
BNA\_F  
ClientSampleId :  
MW-4B

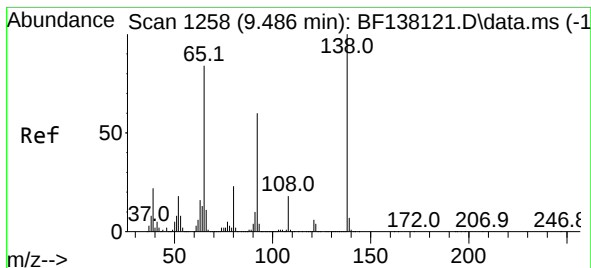
Tgt Ion:330 Resp: 926547  
Ion Ratio Lower Upper  
330 100  
332 96.4 75.8 113.8  
141 26.9 23.2 34.8



#45  
2-Fluorobiphenyl  
Concen: 79.824 ng  
RT: 9.263 min Scan# 1220  
Delta R.T. -0.006 min  
Lab File: BF138146.D  
Acq: 06 Jun 2024 21:44

Tgt Ion:172 Resp: 3525347  
Ion Ratio Lower Upper  
172 100  
171 38.2 31.6 47.4  
170 26.3 21.4 32.2





#48

2-Nitroaniline

Concen: 4.871 ng

RT: 9.528 min Scan# 1

Delta R.T. 0.042 min

Lab File: BF138146.D

Acq: 06 Jun 2024 21:44

Instrument :

BNA\_F

ClientSampleId :

MW-4B

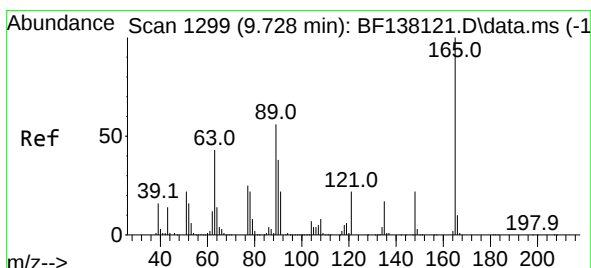
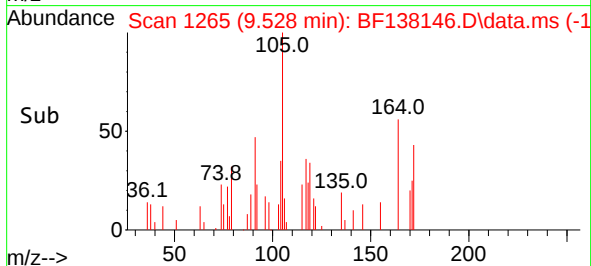
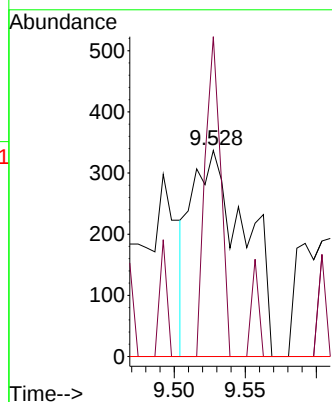
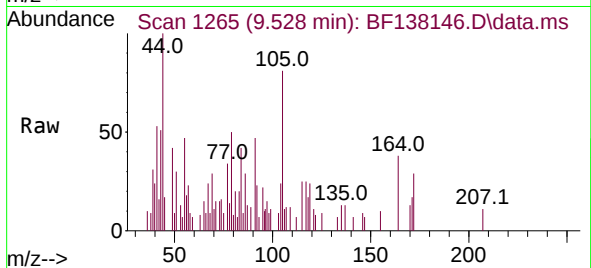
Tgt Ion: 65 Resp: 883

Ion Ratio Lower Upper

65 100

92 155.2 57.3 85.9#

138 0.0 95.4 143.2#



#51

2,6-Dinitrotoluene

Concen: 12.374 ng

RT: 9.939 min Scan# 1335

Delta R.T. 0.211 min

Lab File: BF138146.D

Acq: 06 Jun 2024 21:44

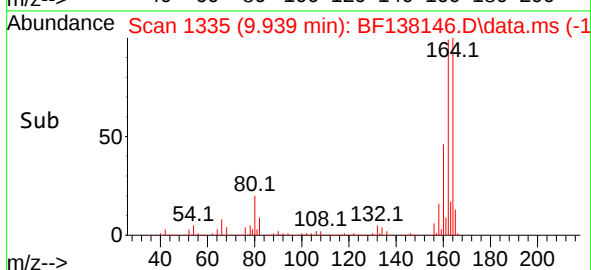
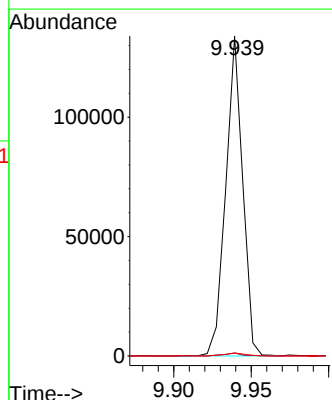
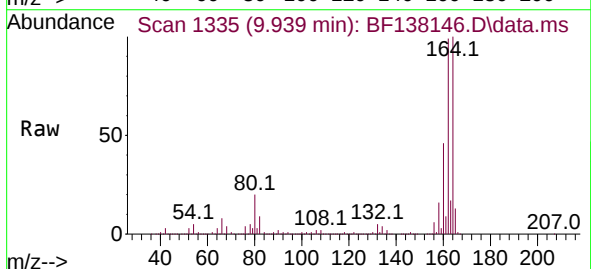
Tgt Ion:165 Resp: 101685

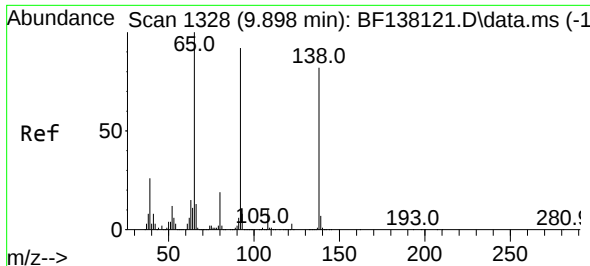
Ion Ratio Lower Upper

165 100

63 0.9 42.9 64.3#

89 0.9 45.0 67.4#

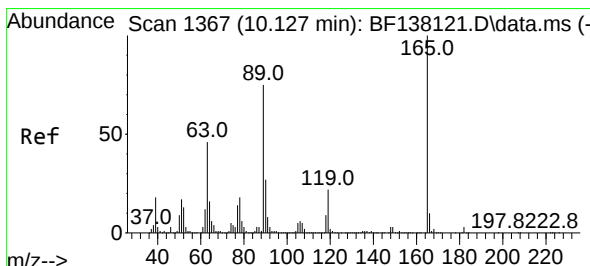
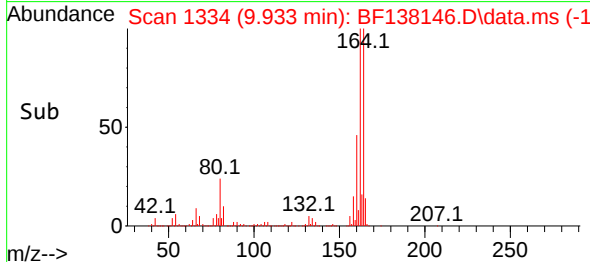
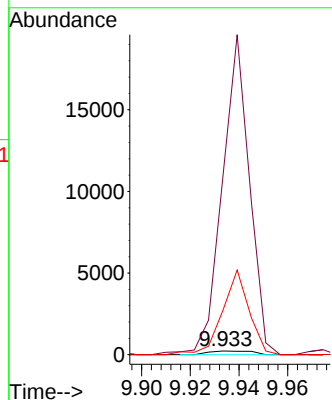
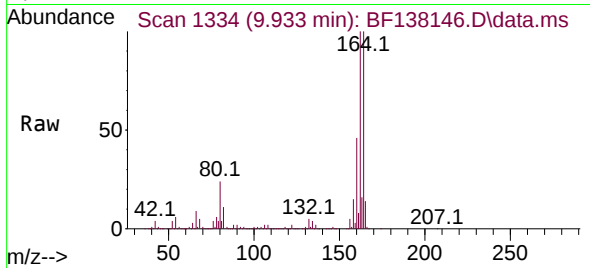




#53  
3-Nitroaniline  
Concen: 2.970 ng  
RT: 9.933 min Scan# 1334  
Delta R.T. 0.035 min  
Lab File: BF138146.D  
Acq: 06 Jun 2024 21:44

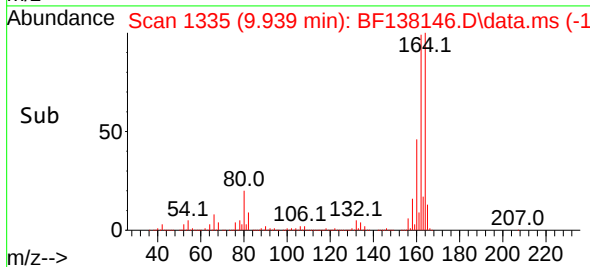
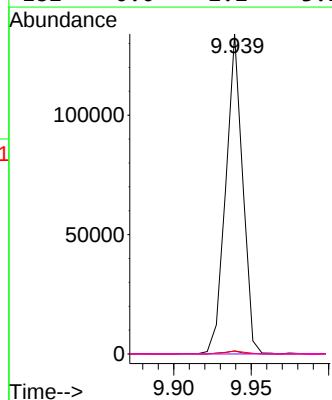
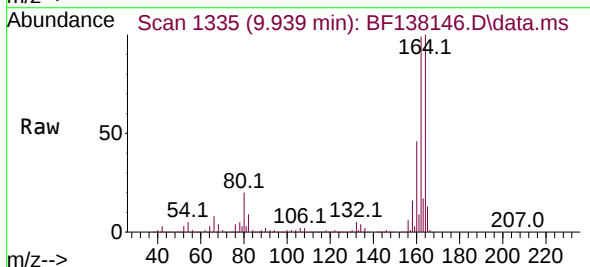
Instrument :  
BNA\_F  
ClientSampleId :  
MW-4B

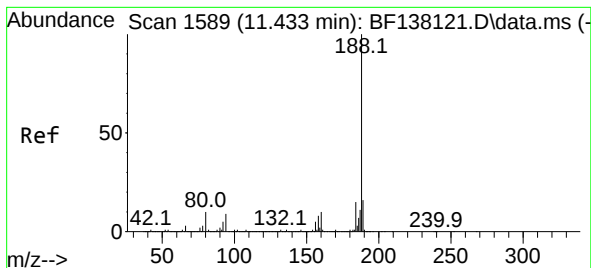
Tgt Ion:138 Resp: 282  
Ion Ratio Lower Upper  
138 100  
108 4847.1 10.3 15.5#  
92 1206.7 89.5 134.3#



#57  
2,4-Dinitrotoluene  
Concen: 11.256 ng  
RT: 9.939 min Scan# 1335  
Delta R.T. -0.188 min  
Lab File: BF138146.D  
Acq: 06 Jun 2024 21:44

Tgt Ion:165 Resp: 101685  
Ion Ratio Lower Upper  
165 100  
63 0.9 36.8 55.2#  
89 0.9 60.2 90.2#  
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138146.D

Acq: 06 Jun 2024 21:44

Instrument :

BNA\_F

ClientSampleId :

MW-4B

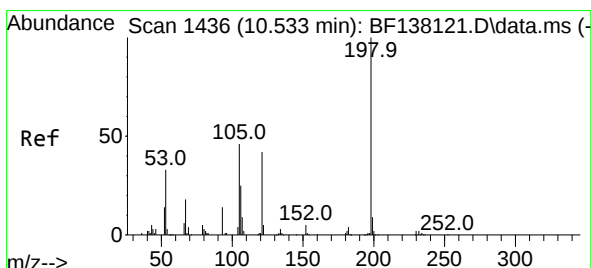
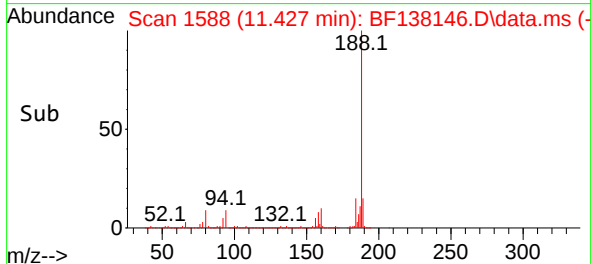
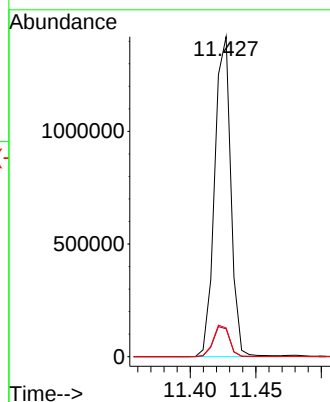
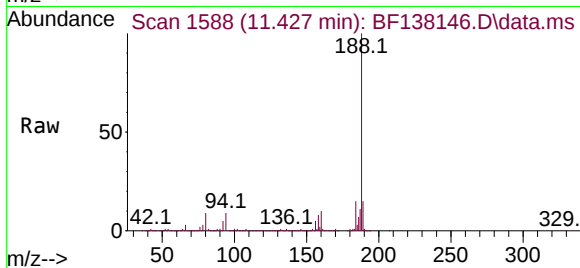
Tgt Ion:188 Resp: 1218971

Ion Ratio Lower Upper

188 100

94 8.7 7.4 11.2

80 9.0 7.7 11.5



#65

4,6-Dinitro-2-methylphenol

Concen: 8.845 ng

RT: 10.727 min Scan# 1469

Delta R.T. 0.194 min

Lab File: BF138146.D

Acq: 06 Jun 2024 21:44

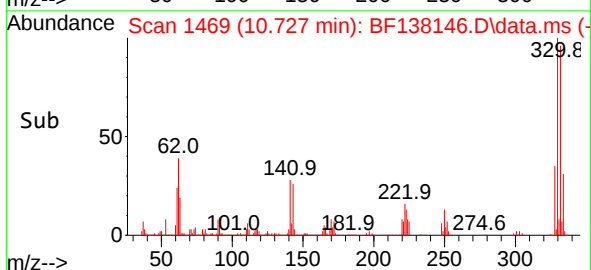
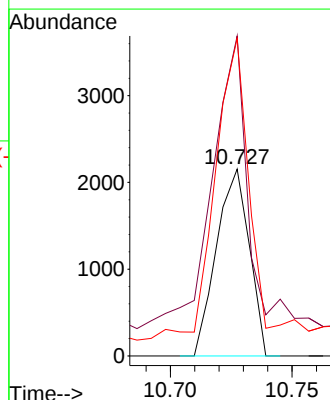
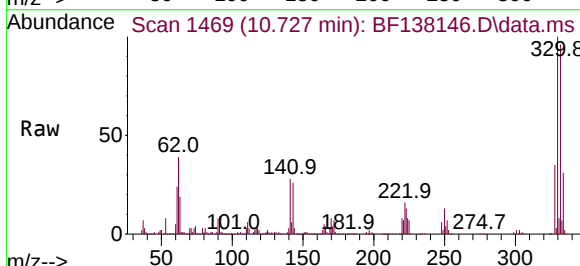
Tgt Ion:198 Resp: 2011

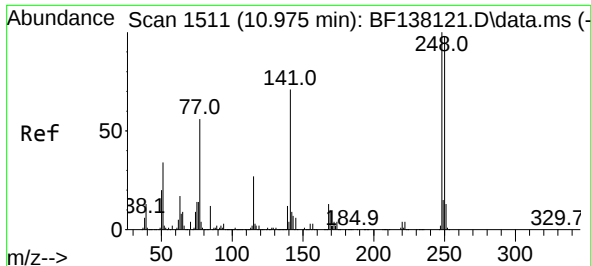
Ion Ratio Lower Upper

198 100

51 171.2 28.2 68.2#

105 169.9 26.8 66.8#

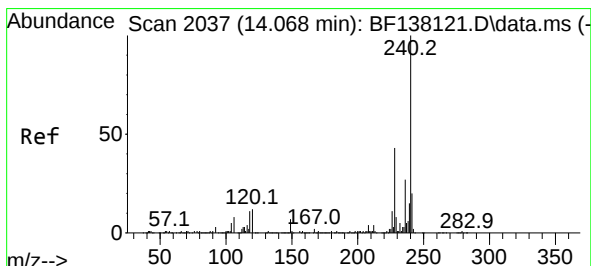
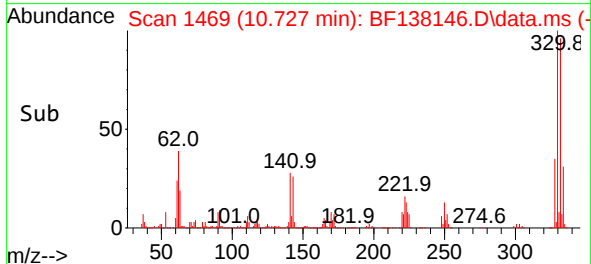
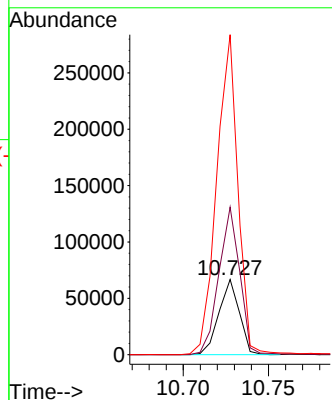
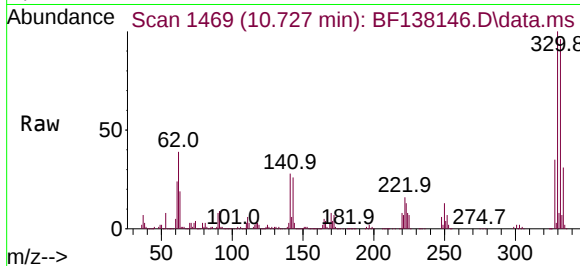




#67  
4-Bromophenyl-phenylether  
Concen: 4.026 ng  
RT: 10.727 min Scan# 1469  
Delta R.T. -0.247 min  
Lab File: BF138146.D  
Acq: 06 Jun 2024 21:44

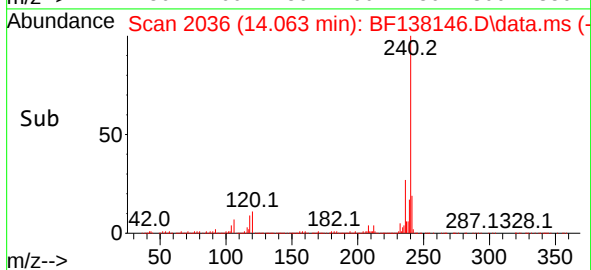
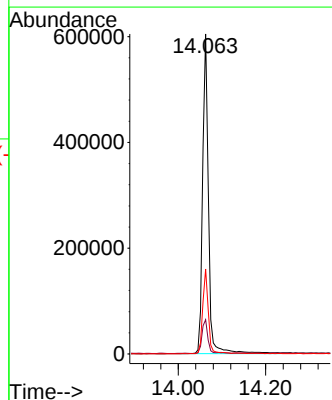
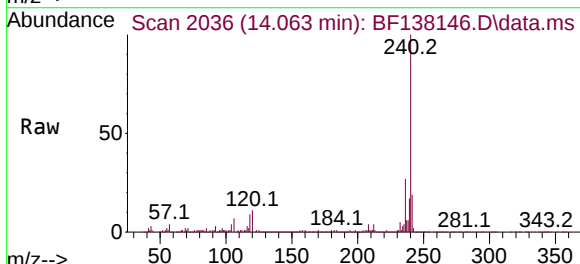
Instrument :  
BNA\_F  
ClientSampleId :  
MW-4B

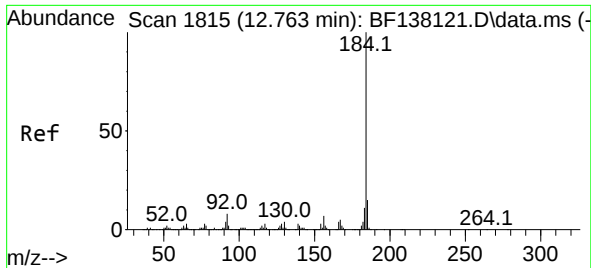
Tgt Ion:248 Resp: 55873  
Ion Ratio Lower Upper  
248 100  
250 196.2 78.7 118.1#  
141 425.7 56.5 84.7#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.063 min Scan# 2036  
Delta R.T. -0.005 min  
Lab File: BF138146.D  
Acq: 06 Jun 2024 21:44

Tgt Ion:240 Resp: 563187  
Ion Ratio Lower Upper  
240 100  
120 10.7 9.8 14.8  
236 26.6 21.2 31.8

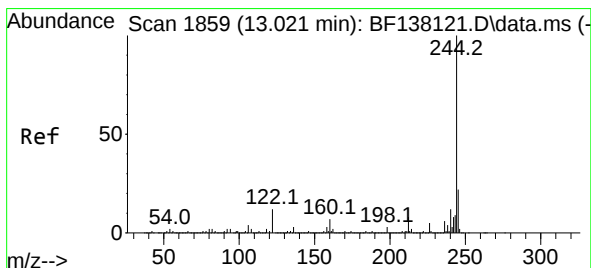
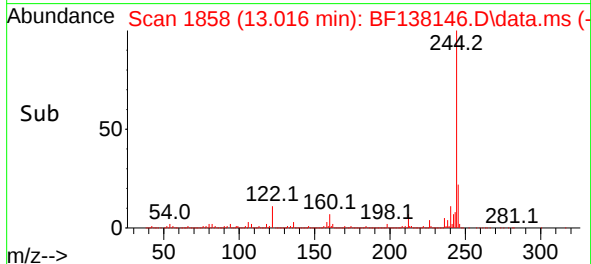
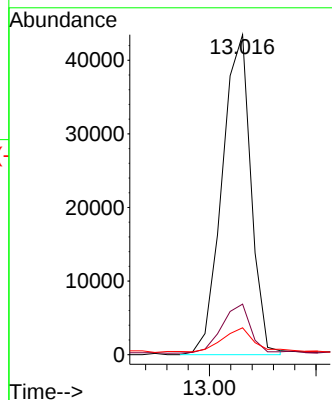
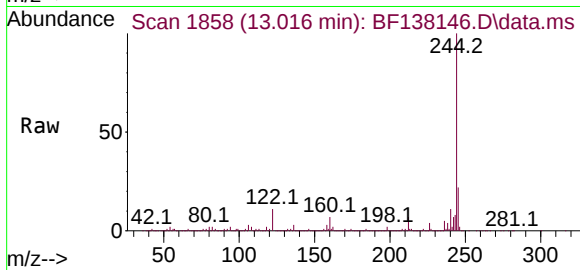




#77  
Benzidine  
Concen: 7.082 ng  
RT: 13.016 min Scan# 1858  
Delta R.T. 0.253 min  
Lab File: BF138146.D  
Acq: 06 Jun 2024 21:44

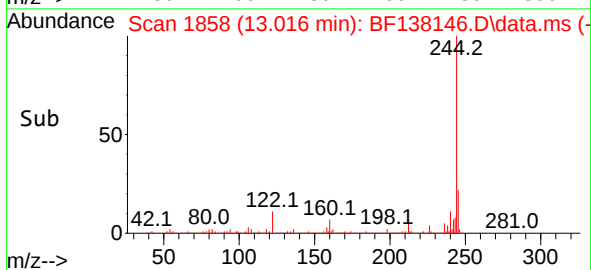
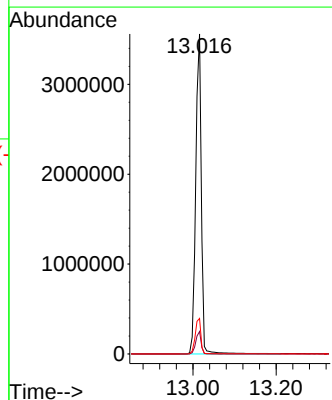
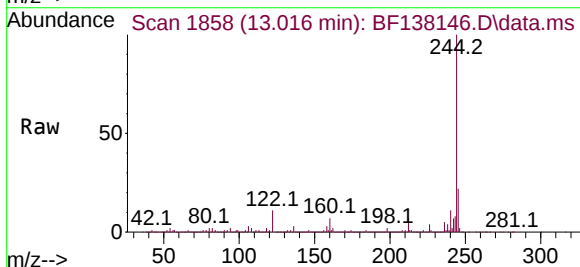
Instrument :  
BNA\_F  
ClientSampleId :  
MW-4B

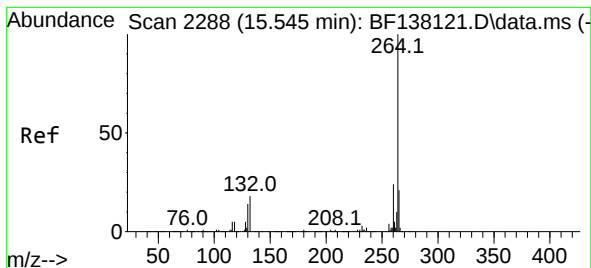
Tgt Ion:184 Resp: 41042  
Ion Ratio Lower Upper  
184 100  
185 15.8 12.2 18.2  
183 8.4 9.0 13.4#



#79  
Terphenyl-d14  
Concen: 87.741 ng  
RT: 13.016 min Scan# 1858  
Delta R.T. -0.006 min  
Lab File: BF138146.D  
Acq: 06 Jun 2024 21:44

Tgt Ion:244 Resp: 3303714  
Ion Ratio Lower Upper  
244 100  
212 7.0 6.4 9.6  
122 11.1 9.4 14.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138146.D

Acq: 06 Jun 2024 21:44

Instrument :

BNA\_F

ClientSampleId :

MW-4B

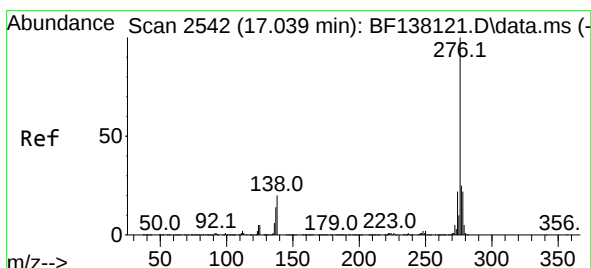
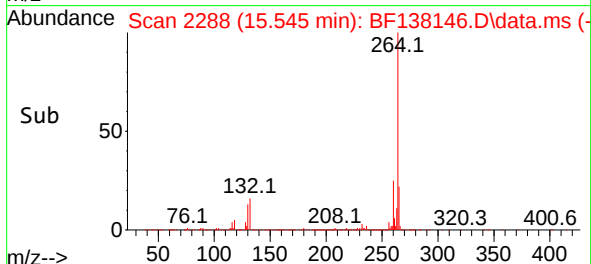
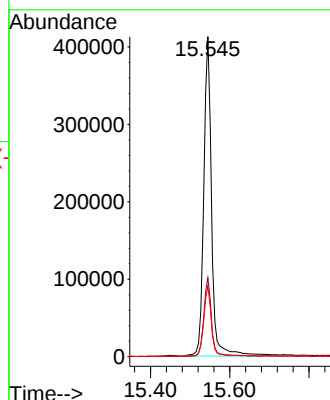
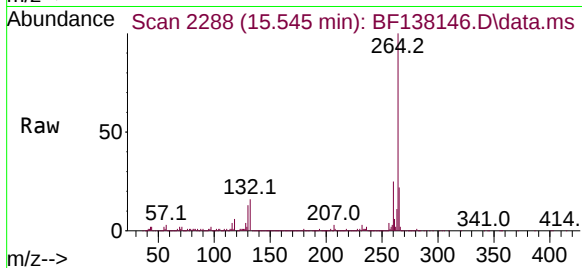
Tgt Ion:264 Resp: 568374

Ion Ratio Lower Upper

264 100

260 24.7 19.4 29.2

265 22.1 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.746 ng

RT: 17.009 min Scan# 2537

Delta R.T. -0.030 min

Lab File: BF138146.D

Acq: 06 Jun 2024 21:44

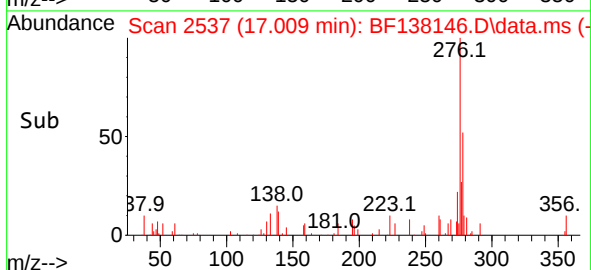
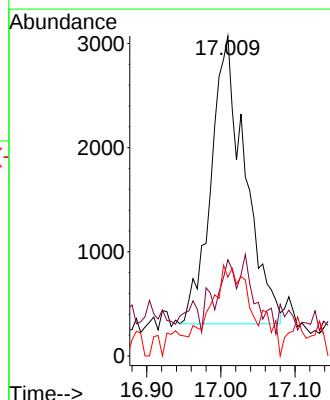
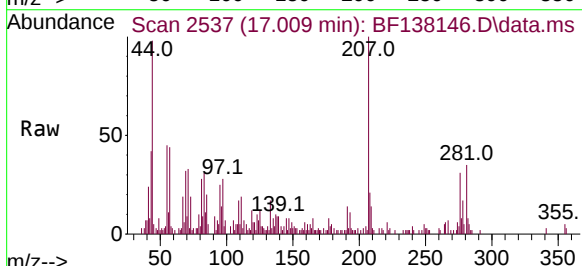
Tgt Ion:276 Resp: 8789

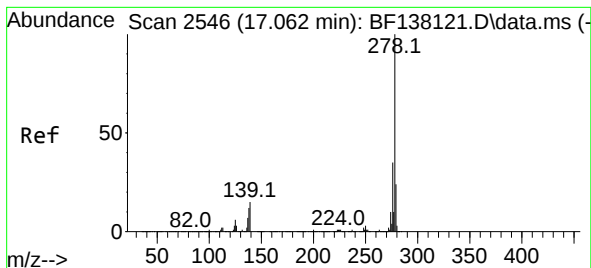
Ion Ratio Lower Upper

276 100

138 9.4 18.9 28.3#

277 22.9 20.3 30.5





#91

Dibenzo(a,h)anthracene

Concen: 4.040 ng

RT: 17.033 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF138146.D

Acq: 06 Jun 2024 21:44

Instrument :

BNA\_F

ClientSampleId :

MW-4B

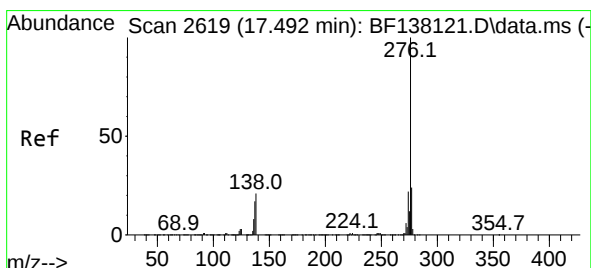
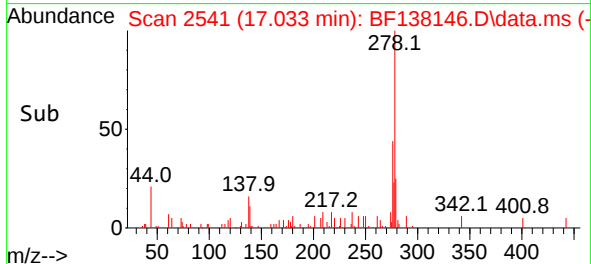
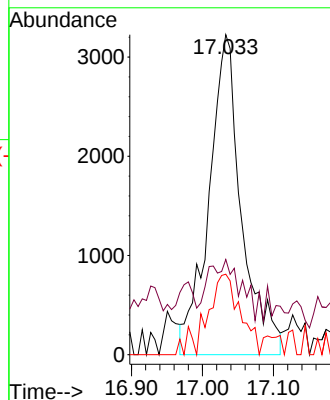
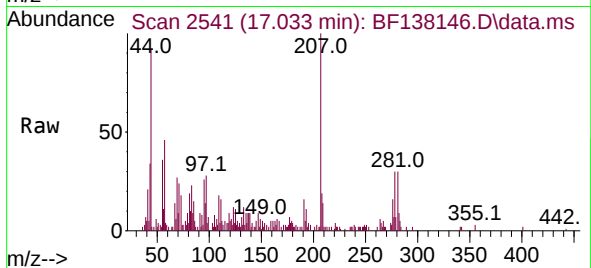
Tgt Ion:278 Resp: 10301

Ion Ratio Lower Upper

278 100

139 29.7 11.7 17.5#

279 25.1 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 3.251 ng

RT: 17.445 min Scan# 2611

Delta R.T. -0.047 min

Lab File: BF138146.D

Acq: 06 Jun 2024 21:44

Tgt Ion:276 Resp: 7320

Ion Ratio Lower Upper

276 100

277 26.4 19.0 28.4

138 29.0 16.5 24.7#

