

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP022924\  
 Data File : BP019938.D  
 Acq On : 29 Feb 2024 15:43  
 Operator : MA/JU  
 Sample : P1602-10DL 5X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 WC-4DL

Quant Time: Feb 29 16:22:15 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP022624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 29 12:18:35 2024  
 Response via : Initial Calibration

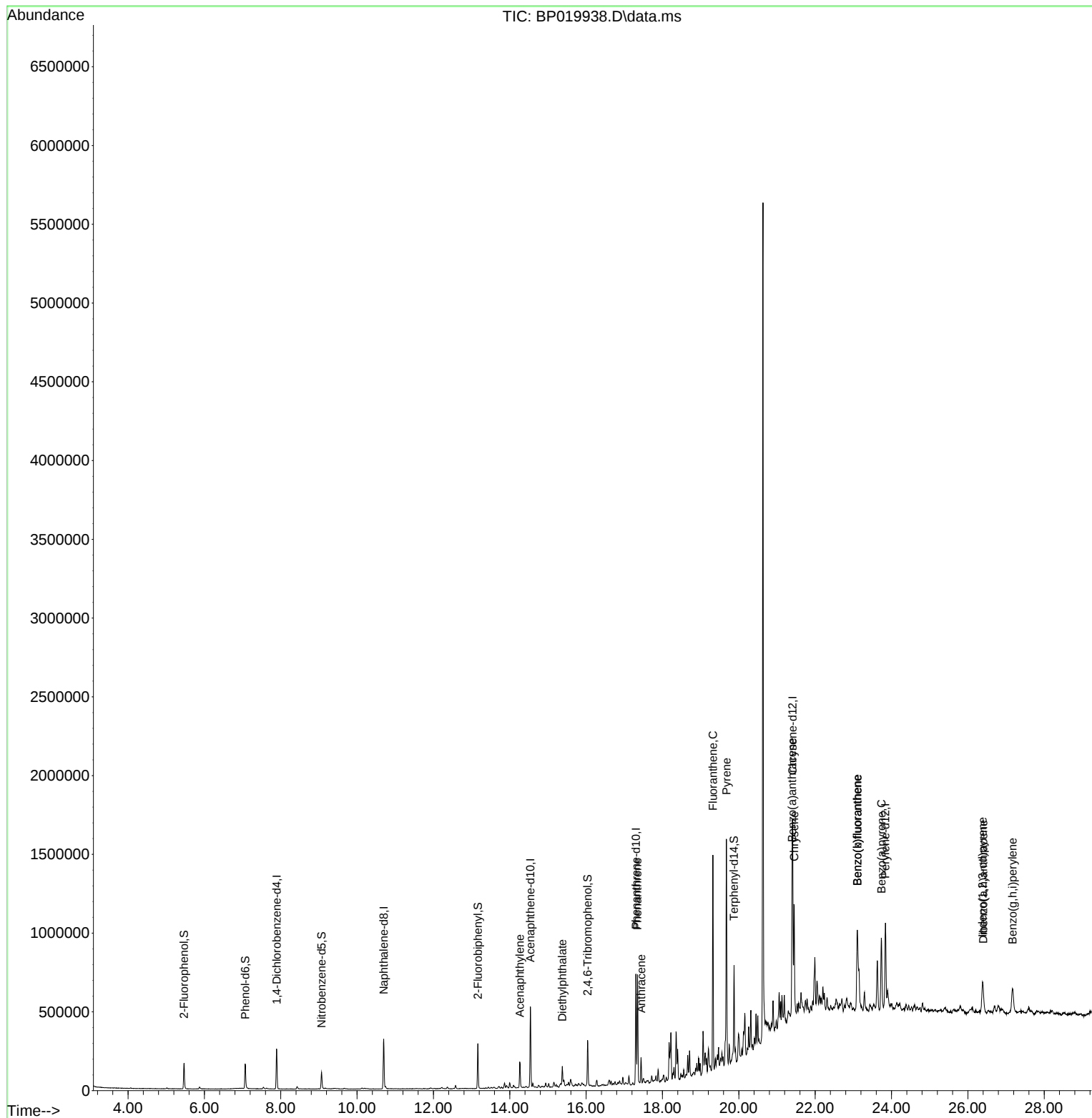
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.893  | 152  | 69299    | 20.000 | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.699 | 136  | 262966   | 20.000 | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.540 | 164  | 184472   | 20.000 | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.304 | 188  | 426959   | 20.000 | ng    | -0.02    |
| 76) Chrysene-d12            | 21.410 | 240  | 453129   | 20.000 | ng    | -0.02    |
| 86) Perylene-d12            | 23.839 | 264  | 489035   | 20.000 | ng    | -0.03    |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.469  | 112  | 74872    | 17.734 | ng    | -0.01    |
| 7) Phenol-d6                | 7.069  | 99   | 98623    | 15.689 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.069  | 82   | 68391    | 10.500 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.039 | 330  | 59666    | 18.863 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 13.163 | 172  | 152276   | 11.153 | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.875 | 244  | 287573   | 10.003 | ng    | -0.02    |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 49) Acenaphthylene          | 14.263 | 152  | 126812   | 7.635  | ng    | 98       |
| 60) Diethylphthalate        | 15.375 | 149  | 112522   | 7.563  | ng    | 97       |
| 71) Phenanthrene            | 17.345 | 178  | 427746   | 18.769 | ng    | 100      |
| 72) Anthracene              | 17.439 | 178  | 109297   | 4.698  | ng    | 98       |
| 75) Fluoranthene            | 19.322 | 202  | 793155   | 26.817 | ng    | 100      |
| 78) Pyrene                  | 19.675 | 202  | 895371   | 28.760 | ng    | 100      |
| 81) Benzo(a)anthracene      | 21.392 | 228  | 427737   | 13.298 | ng    | 96       |
| 83) Chrysene                | 21.451 | 228  | 454956   | 15.095 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene  | 26.386 | 276  | 235046   | 6.827  | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 23.104 | 252  | 501691   | 16.733 | ng    | 98       |
| 89) Benzo(k)fluoranthene    | 23.104 | 252  | 501691   | 17.062 | ng    | 97       |
| 90) Benzo(a)pyrene          | 23.733 | 252  | 384415   | 13.416 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene  | 26.404 | 278  | 64371    | 2.224  | ng    | # 86     |
| 92) Benzo(g,h,i)perylene    | 27.168 | 276  | 229164   | 8.202  | ng    | 97       |
| -----                       |        |      |          |        |       |          |

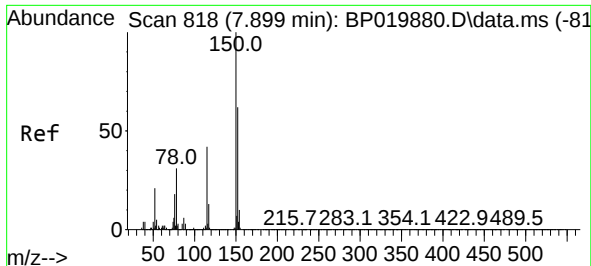
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP022924\  
Data File : BP019938.D  
Acq On : 29 Feb 2024 15:43  
Operator : MA/JU  
Sample : P1602-10DL 5X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
WC-4DL

Quant Time: Feb 29 16:22:15 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP022624.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Feb 29 12:18:35 2024  
Response via : Initial Calibration

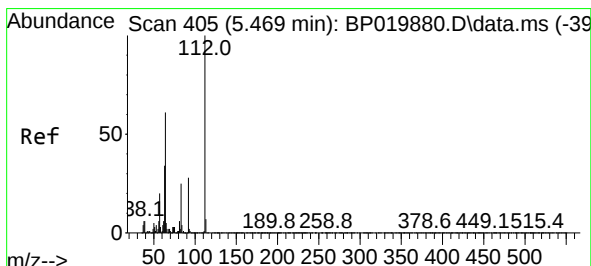
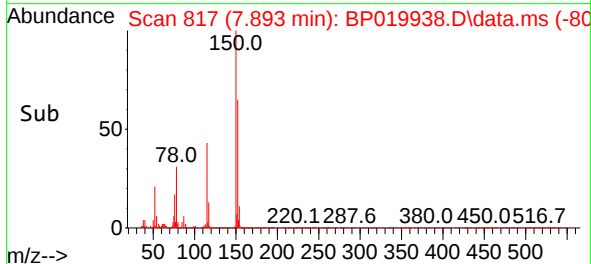
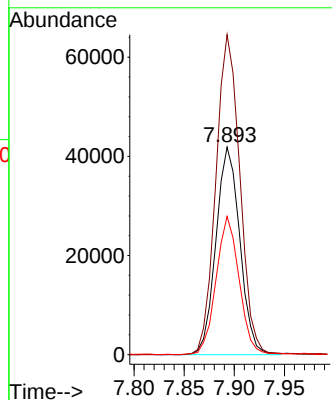
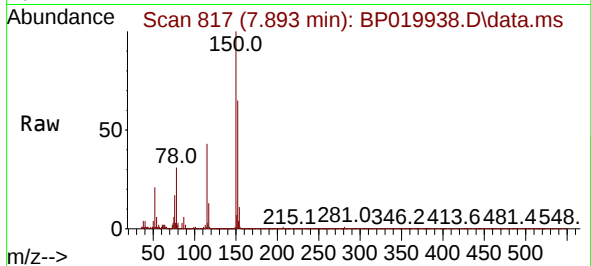




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.893 min Scan# 81  
 Delta R.T. -0.017 min  
 Lab File: BP019938.D  
 Acq: 29 Feb 2024 15:43

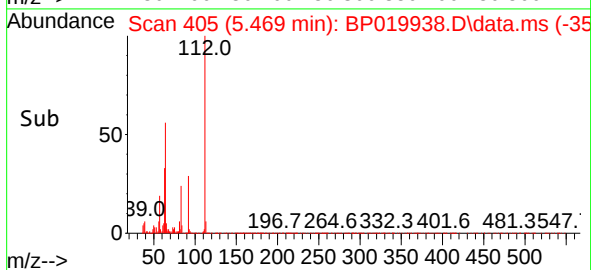
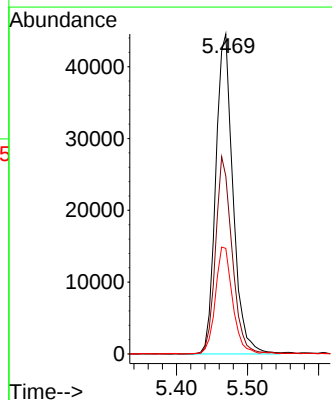
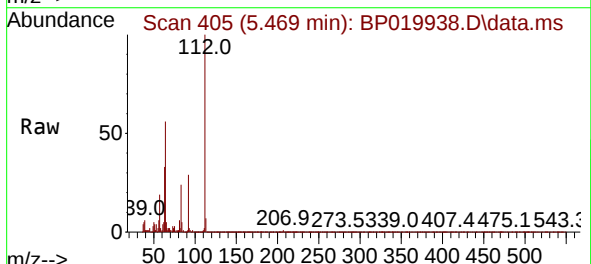
Instrument :  
 BNA\_P  
 ClientSampleId :  
 WC-4DL

Tgt Ion:152 Resp: 69299  
 Ion Ratio Lower Upper  
 152 100  
 150 154.2 128.6 192.8  
 115 66.6 53.4 80.2



#5  
 2-Fluorophenol  
 Concen: 17.734 ng  
 RT: 5.469 min Scan# 405  
 Delta R.T. -0.012 min  
 Lab File: BP019938.D  
 Acq: 29 Feb 2024 15:43

Tgt Ion:112 Resp: 74872  
 Ion Ratio Lower Upper  
 112 100  
 64 55.6 49.0 73.6  
 63 33.0 27.6 41.4

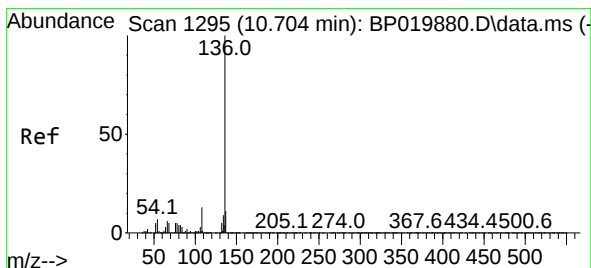
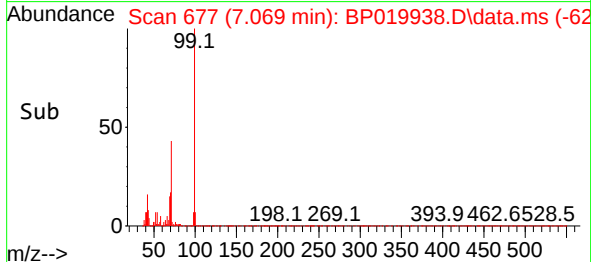
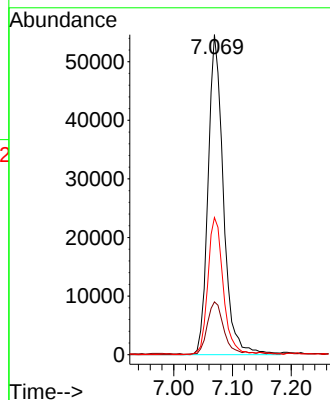
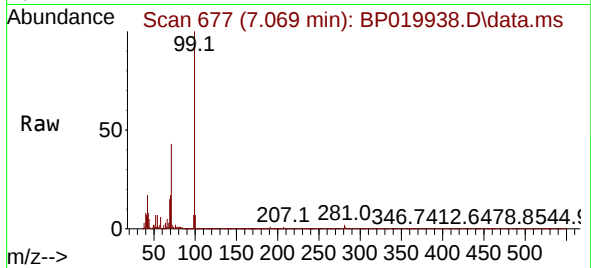




#7  
Phenol-d6  
Concen: 15.689 ng  
RT: 7.069 min Scan# 61  
Delta R.T. -0.018 min  
Lab File: BP019938.D  
Acq: 29 Feb 2024 15:43

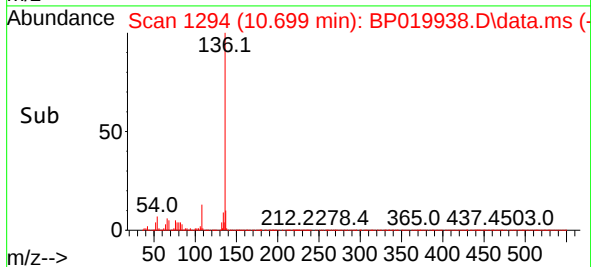
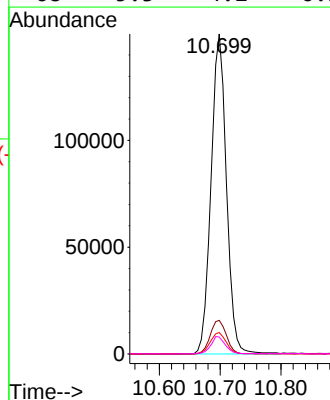
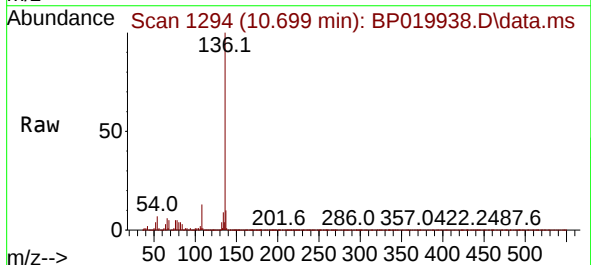
Instrument :  
BNA\_P  
ClientSampleId :  
WC-4DL

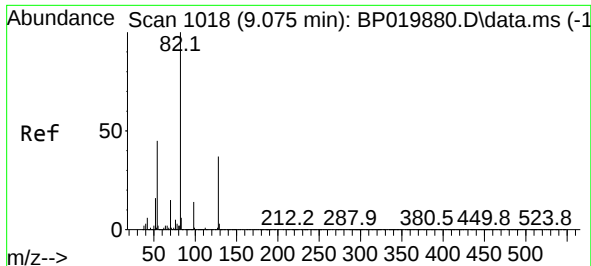
Tgt Ion: 99 Resp: 98623  
Ion Ratio Lower Upper  
99 100  
42 16.5 13.8 20.8  
71 42.8 34.5 51.7



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.699 min Scan# 1294  
Delta R.T. -0.018 min  
Lab File: BP019938.D  
Acq: 29 Feb 2024 15:43

Tgt Ion:136 Resp: 262966  
Ion Ratio Lower Upper  
136 100  
137 10.5 8.7 13.1  
54 6.7 6.0 9.0  
68 5.3 4.2 6.2

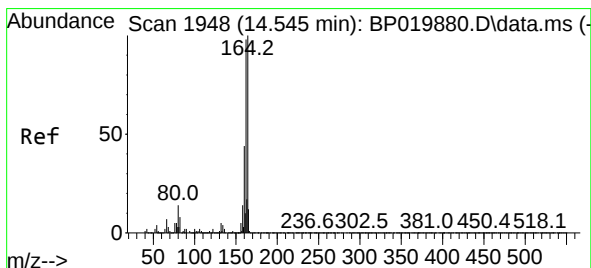
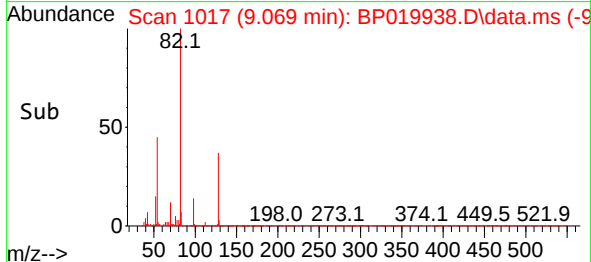
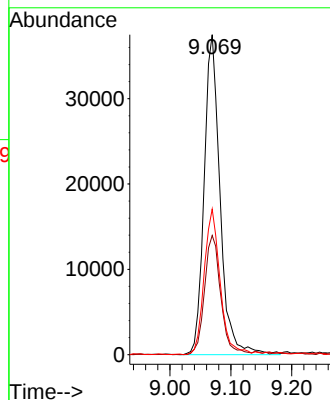
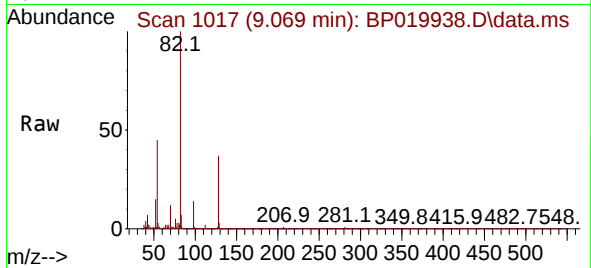




#23  
Nitrobenzene-d5  
Concen: 10.500 ng  
RT: 9.069 min Scan# 1018  
Delta R.T. -0.018 min  
Lab File: BP019938.D  
Acq: 29 Feb 2024 15:43

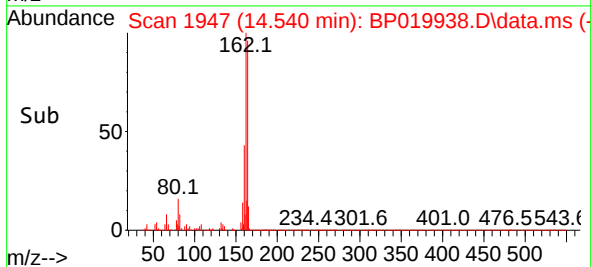
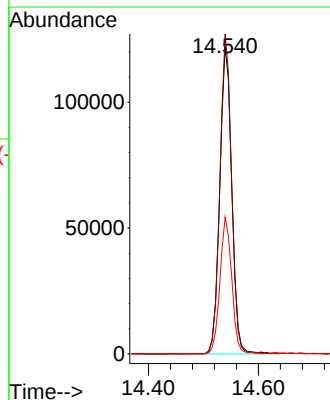
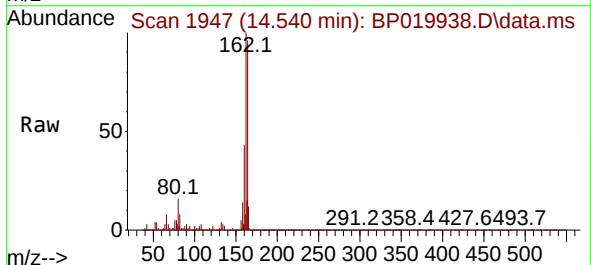
Instrument :  
BNA\_P  
ClientSampleId :  
WC-4DL

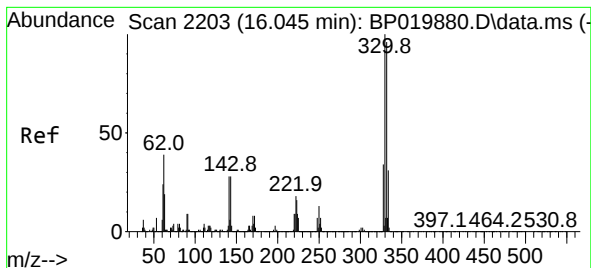
Tgt Ion: 82 Resp: 68391  
Ion Ratio Lower Upper  
82 100  
128 37.2 29.6 44.4  
54 45.5 36.3 54.5



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.540 min Scan# 1947  
Delta R.T. -0.018 min  
Lab File: BP019938.D  
Acq: 29 Feb 2024 15:43

Tgt Ion: 164 Resp: 184472  
Ion Ratio Lower Upper  
164 100  
162 104.2 78.1 117.1  
160 44.5 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 18.863 ng

RT: 16.039 min Scan# 21

Delta R.T. -0.023 min

Lab File: BP019938.D

Acq: 29 Feb 2024 15:43

Instrument :

BNA\_P

ClientSampleId :

WC-4DL

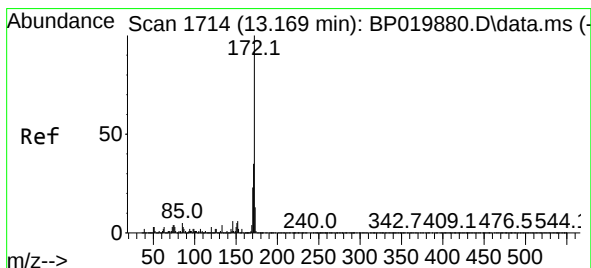
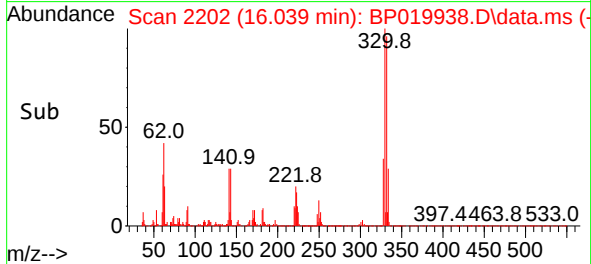
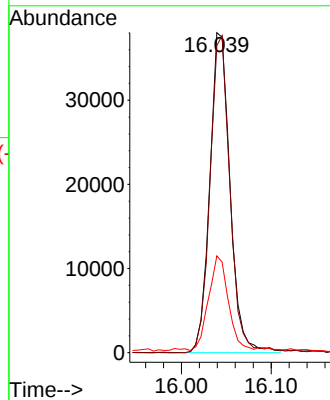
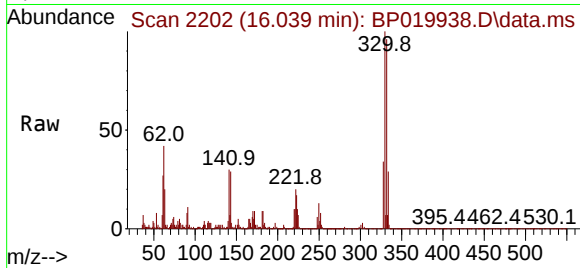
Tgt Ion:330 Resp: 59666

Ion Ratio Lower Upper

330 100

332 97.6 77.4 116.2

141 28.7 24.6 37.0



#45

2-Fluorobiphenyl

Concen: 11.153 ng

RT: 13.163 min Scan# 1713

Delta R.T. -0.018 min

Lab File: BP019938.D

Acq: 29 Feb 2024 15:43

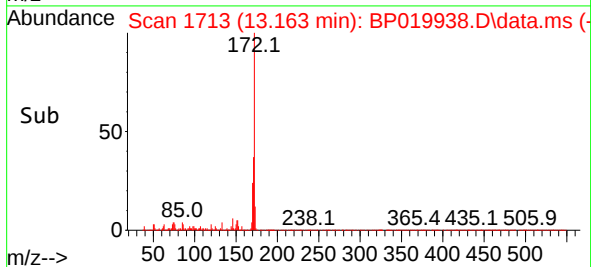
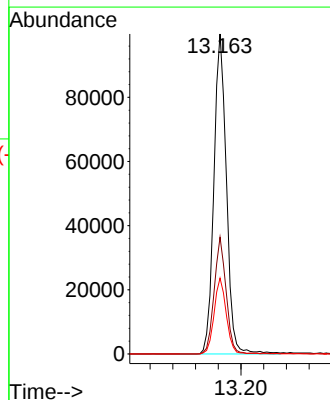
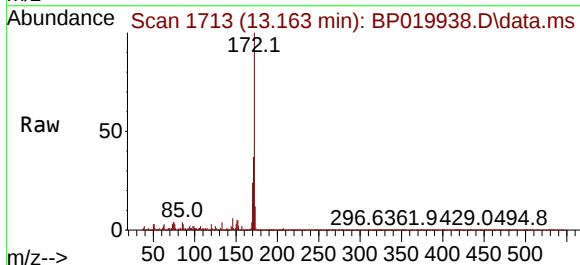
Tgt Ion:172 Resp: 152276

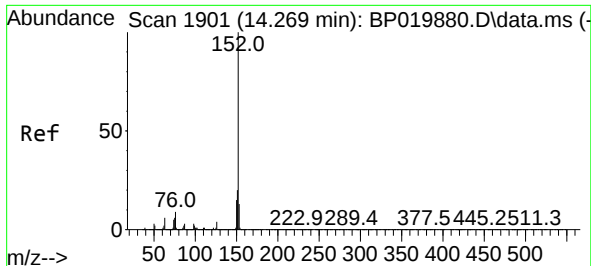
Ion Ratio Lower Upper

172 100

171 36.5 27.8 41.6

170 23.7 18.4 27.6

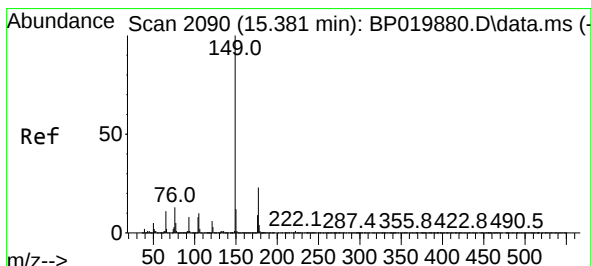
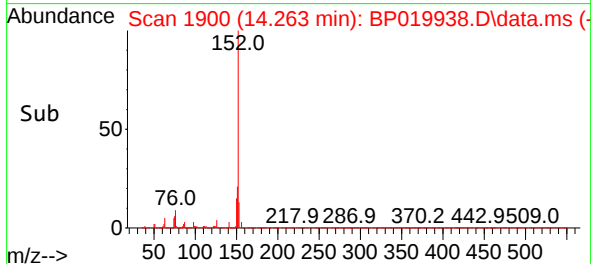
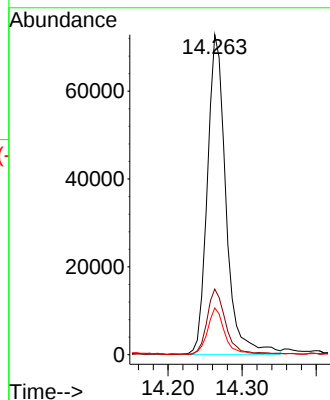
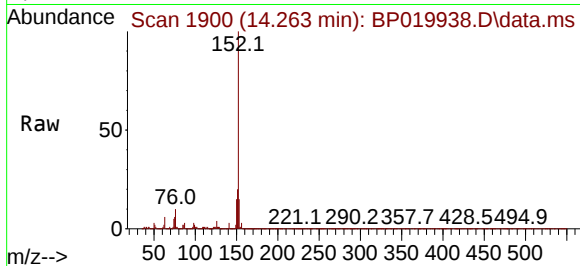




#49  
Acenaphthylene  
Concen: 7.635 ng  
RT: 14.263 min Scan# 1900  
Delta R.T. -0.018 min  
Lab File: BP019938.D  
Acq: 29 Feb 2024 15:43

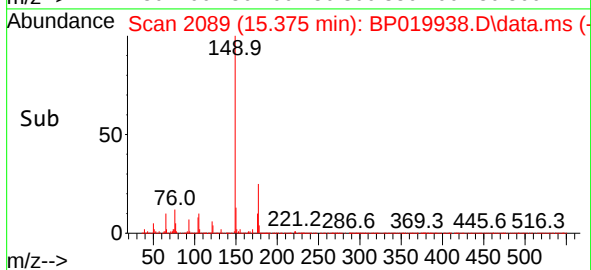
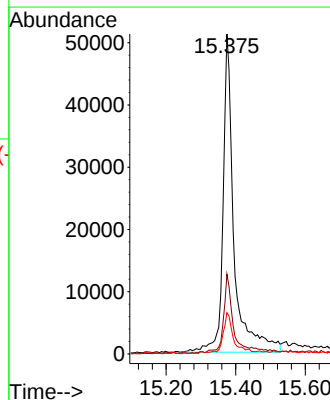
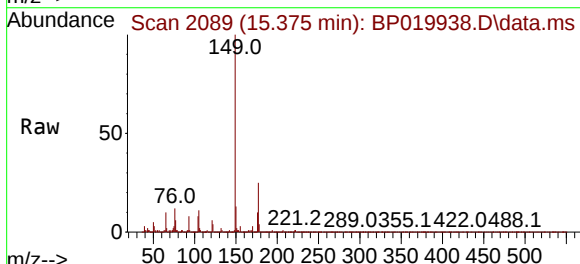
Instrument :  
BNA\_P  
ClientSampleId :  
WC-4DL

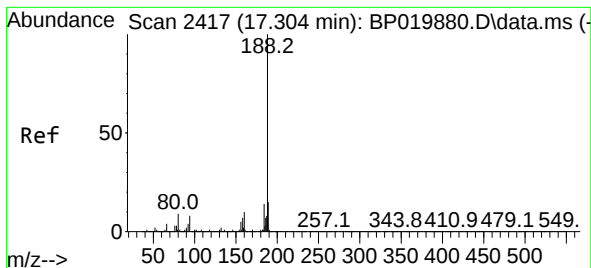
Tgt Ion:152 Resp: 126812  
Ion Ratio Lower Upper  
152 100  
151 20.5 15.9 23.9  
153 14.6 10.4 15.6



#60  
Diethylphthalate  
Concen: 7.563 ng  
RT: 15.375 min Scan# 2089  
Delta R.T. -0.018 min  
Lab File: BP019938.D  
Acq: 29 Feb 2024 15:43

Tgt Ion:149 Resp: 112522  
Ion Ratio Lower Upper  
149 100  
177 25.0 18.4 27.6  
150 12.9 9.9 14.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.304 min Scan# 2417

Delta R.T. -0.018 min

Lab File: BP019938.D

Acq: 29 Feb 2024 15:43

Instrument :

BNA\_P

ClientSampleId :

WC-4DL

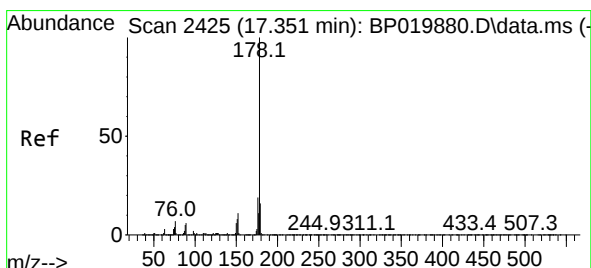
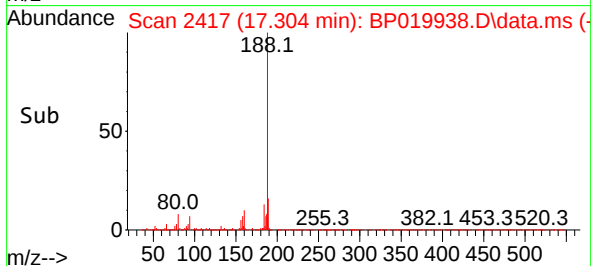
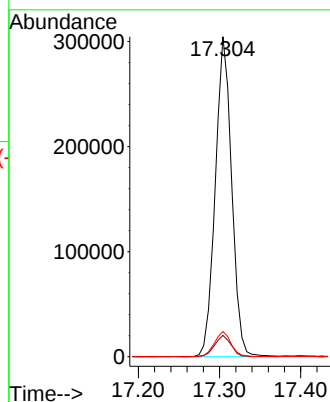
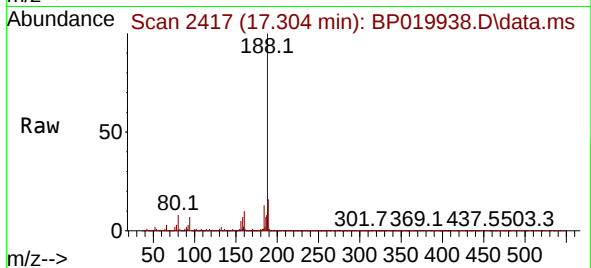
Tgt Ion:188 Resp: 426959

Ion Ratio Lower Upper

188 100

94 6.6 6.2 9.4

80 7.9 7.0 10.4



#71

Phenanthrene

Concen: 18.769 ng

RT: 17.345 min Scan# 2424

Delta R.T. -0.024 min

Lab File: BP019938.D

Acq: 29 Feb 2024 15:43

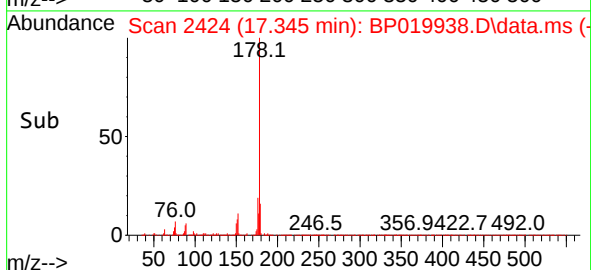
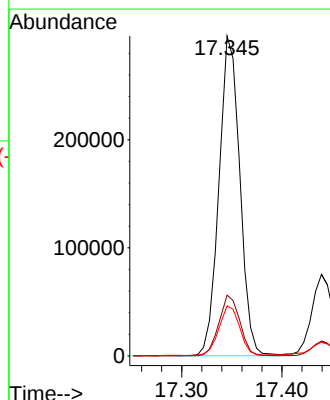
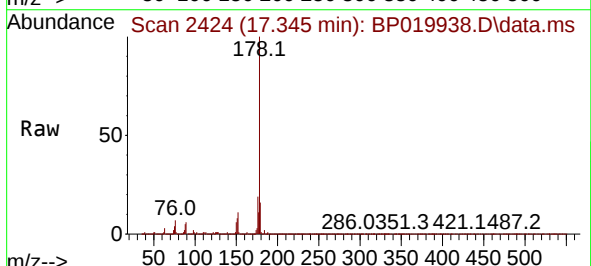
Tgt Ion:178 Resp: 427746

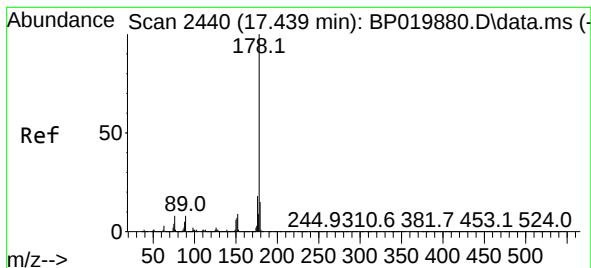
Ion Ratio Lower Upper

178 100

176 19.0 15.2 22.8

179 15.7 12.5 18.7





#72

Anthracene

Concen: 4.698 ng

RT: 17.439 min Scan# 2440

Delta R.T. -0.018 min

Lab File: BP019938.D

Acq: 29 Feb 2024 15:43

Instrument :

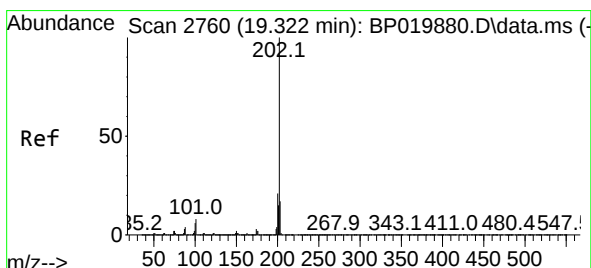
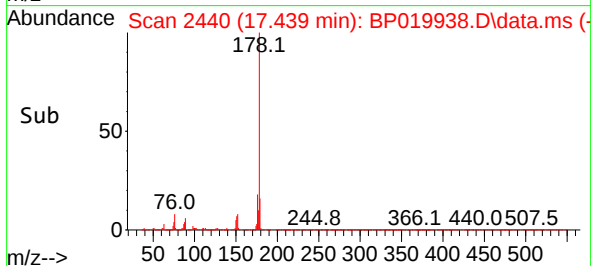
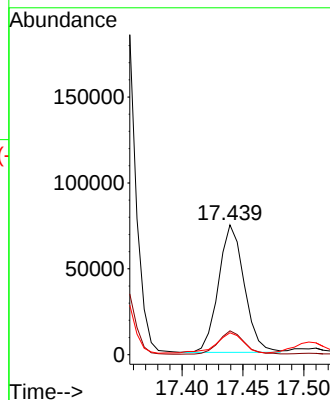
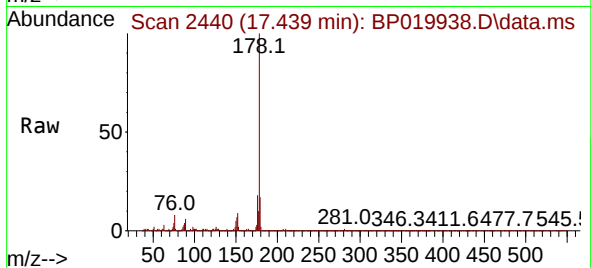
BNA\_P

ClientSampleId :

WC-4DL

Tgt Ion:178 Resp: 109297

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 18.3  | 14.7  | 22.1  |
| 179 | 16.9  | 12.2  | 18.4  |



#75

Fluoranthene

Concen: 26.817 ng

RT: 19.322 min Scan# 2760

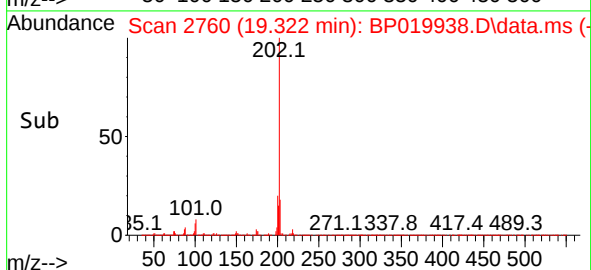
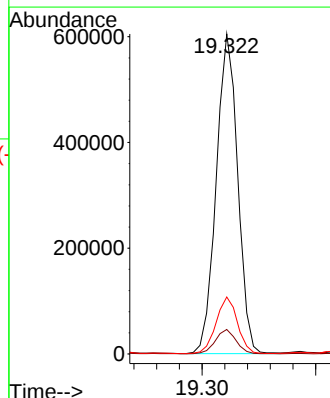
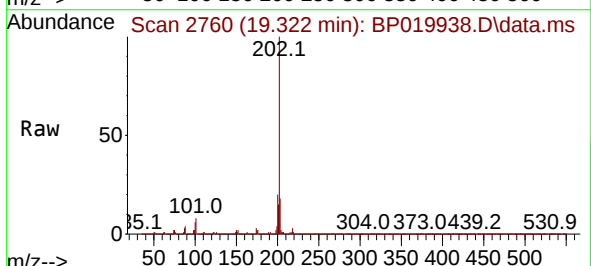
Delta R.T. -0.018 min

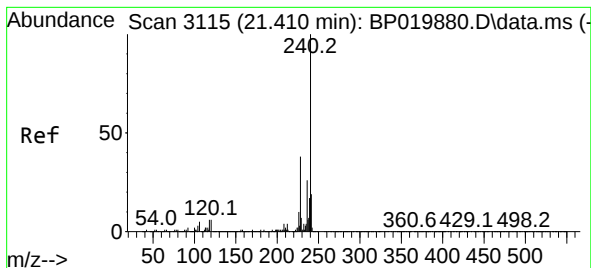
Lab File: BP019938.D

Acq: 29 Feb 2024 15:43

Tgt Ion:202 Resp: 793155

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 7.7   | 0.0   | 27.7  |
| 203 | 17.8  | 0.0   | 37.5  |





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.410 min Scan# 3115

Delta R.T. -0.018 min

Lab File: BP019938.D

Acq: 29 Feb 2024 15:43

Instrument :

BNA\_P

ClientSampleId :

WC-4DL

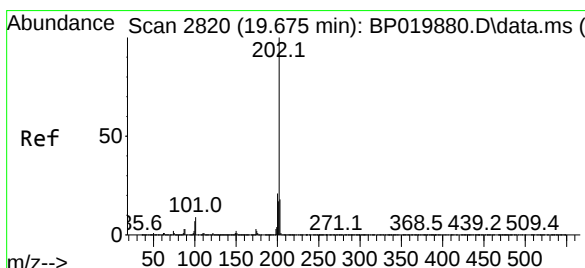
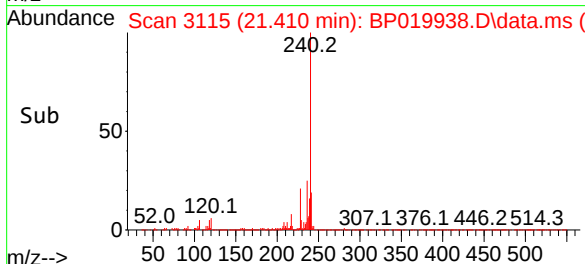
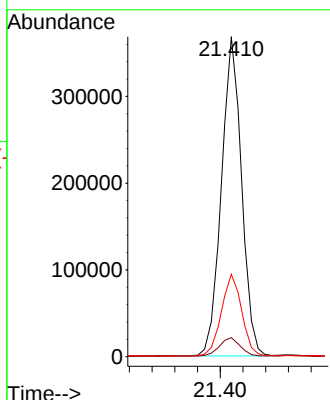
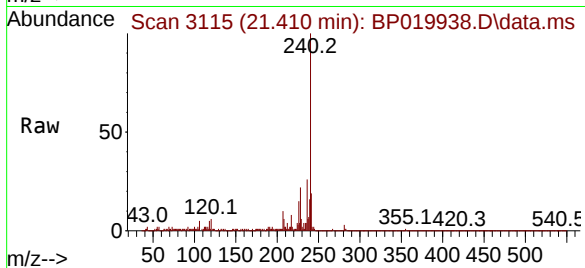
Tgt Ion:240 Resp: 453129

Ion Ratio Lower Upper

240 100

120 5.9 5.1 7.7

236 25.7 20.5 30.7



#78

Pyrene

Concen: 28.760 ng

RT: 19.675 min Scan# 2820

Delta R.T. -0.018 min

Lab File: BP019938.D

Acq: 29 Feb 2024 15:43

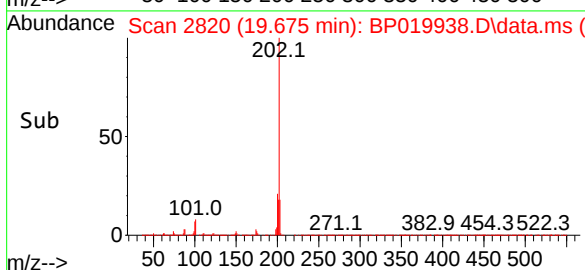
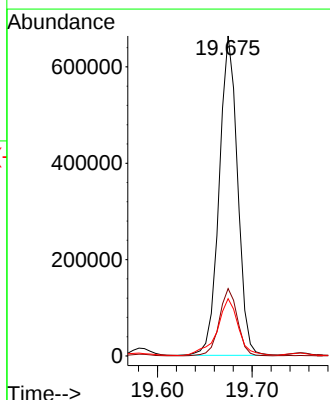
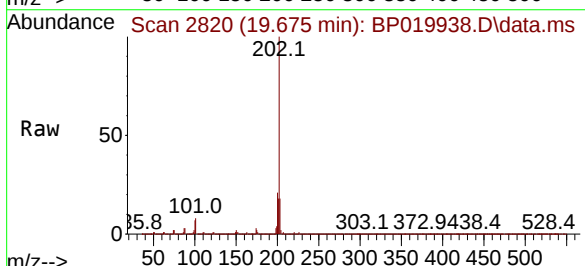
Tgt Ion:202 Resp: 895371

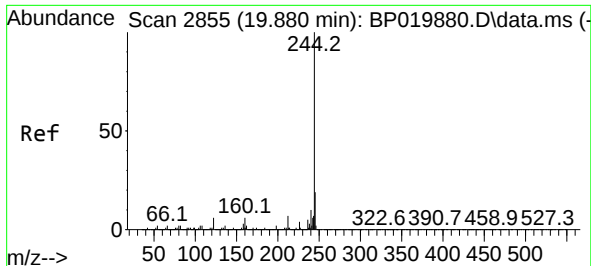
Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 17.9 14.2 21.2

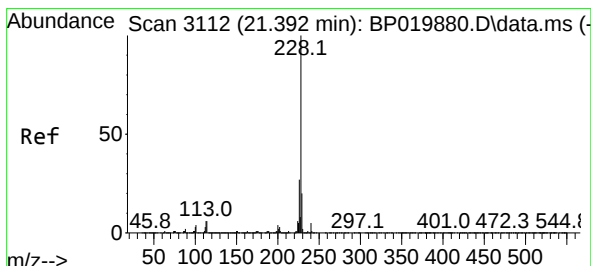
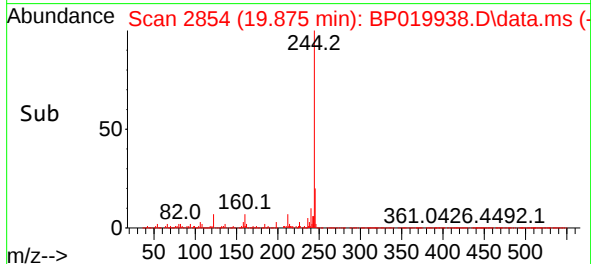
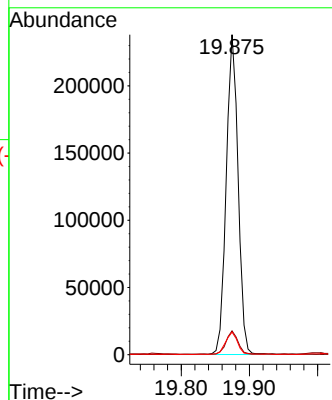
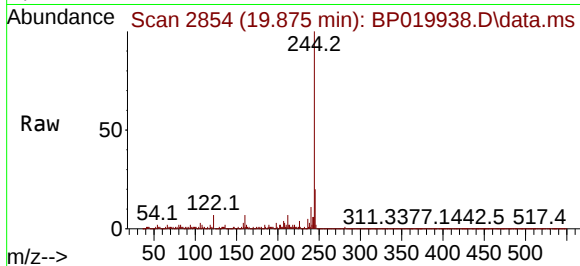




#79  
Terphenyl-d14  
Concen: 10.003 ng  
RT: 19.875 min Scan# 2854  
Delta R.T. -0.018 min  
Lab File: BP019938.D  
Acq: 29 Feb 2024 15:43

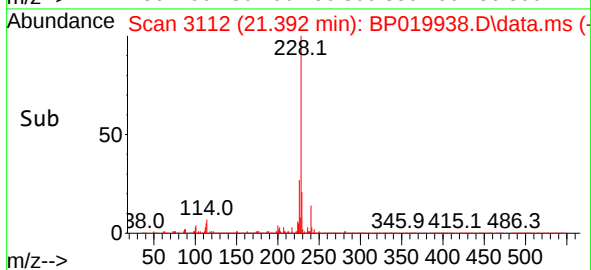
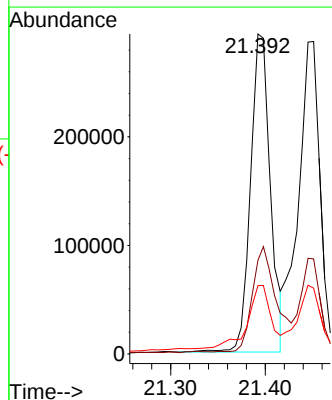
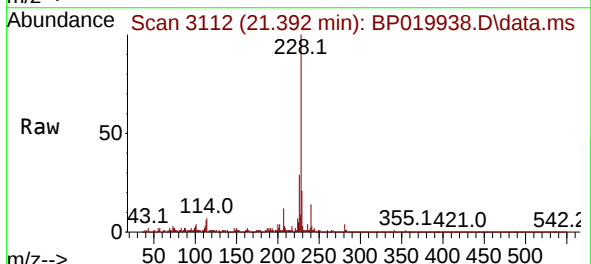
Instrument :  
BNA\_P  
ClientSampleId :  
WC-4DL

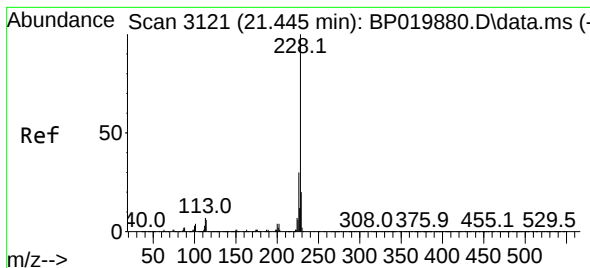
Tgt Ion:244 Resp: 287573  
Ion Ratio Lower Upper  
244 100  
212 7.4 5.8 8.8  
122 7.0 5.0 7.6



#81  
Benzo(a)anthracene  
Concen: 13.298 ng  
RT: 21.392 min Scan# 3112  
Delta R.T. -0.018 min  
Lab File: BP019938.D  
Acq: 29 Feb 2024 15:43

Tgt Ion:228 Resp: 427737  
Ion Ratio Lower Upper  
228 100  
226 29.3 21.5 32.3  
229 21.4 15.6 23.4





#83

Chrysene

Concen: 15.095 ng

RT: 21.451 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP019938.D

Acq: 29 Feb 2024 15:43

Instrument :

BNA\_P

ClientSampleId :

WC-4DL

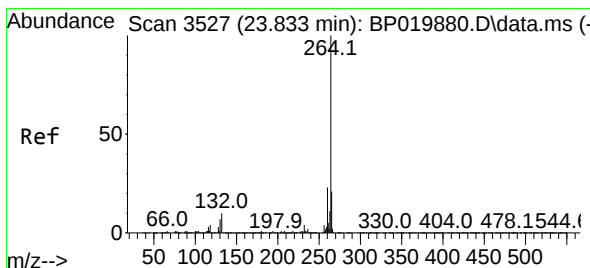
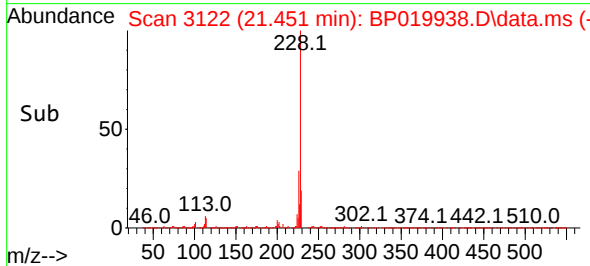
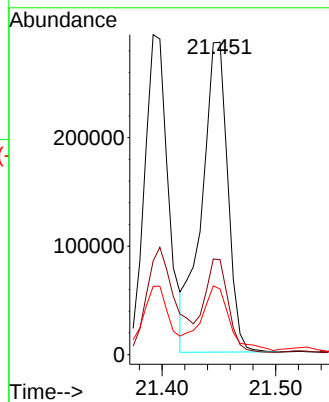
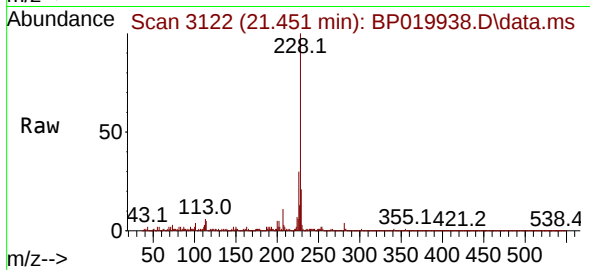
Tgt Ion:228 Resp: 454956

Ion Ratio Lower Upper

228 100

226 30.4 23.9 35.9

229 21.0 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.839 min Scan# 3528

Delta R.T. -0.029 min

Lab File: BP019938.D

Acq: 29 Feb 2024 15:43

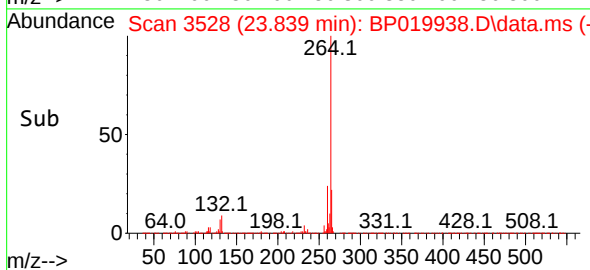
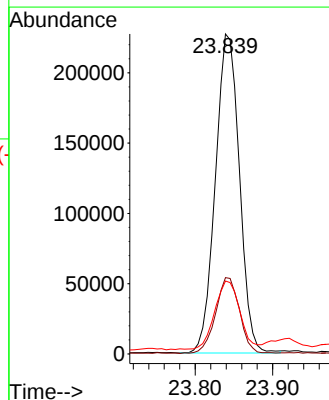
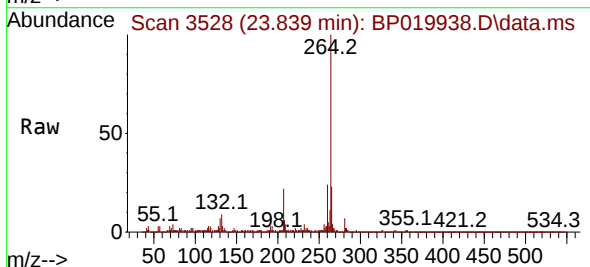
Tgt Ion:264 Resp: 489035

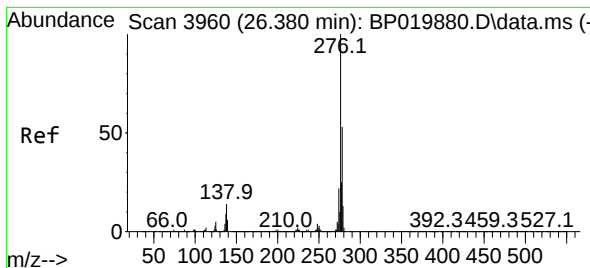
Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

265 22.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.827 ng

RT: 26.386 min Scan# 3960

Delta R.T. -0.059 min

Lab File: BP019938.D

Acq: 29 Feb 2024 15:43

Instrument :

BNA\_P

ClientSampleId :

WC-4DL

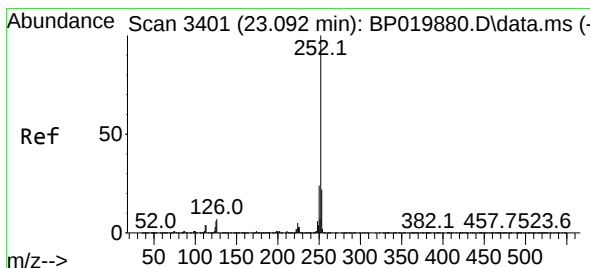
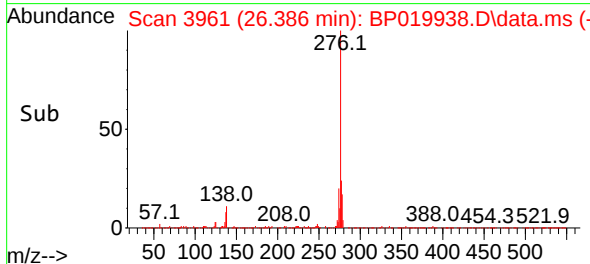
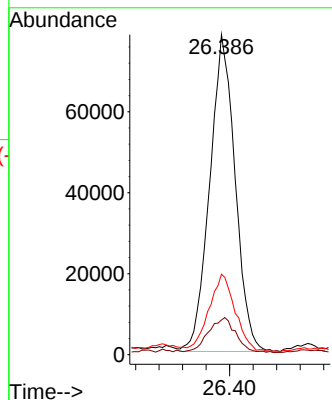
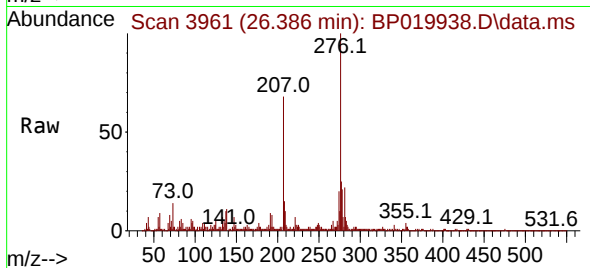
Tgt Ion:276 Resp: 235046

Ion Ratio Lower Upper

276 100

138 11.9 11.7 17.5

277 24.9 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 16.733 ng

RT: 23.104 min Scan# 3403

Delta R.T. -0.018 min

Lab File: BP019938.D

Acq: 29 Feb 2024 15:43

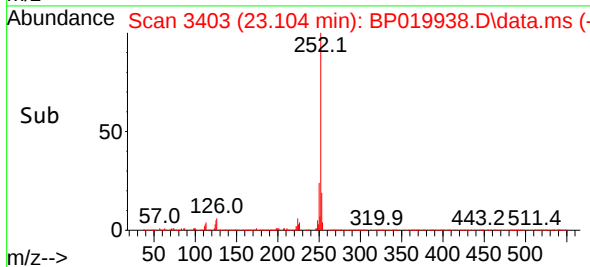
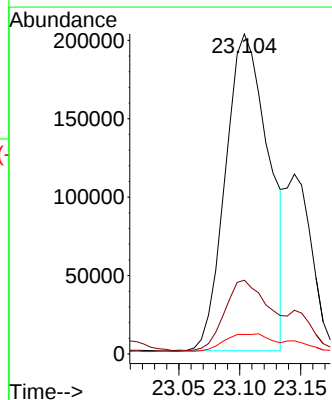
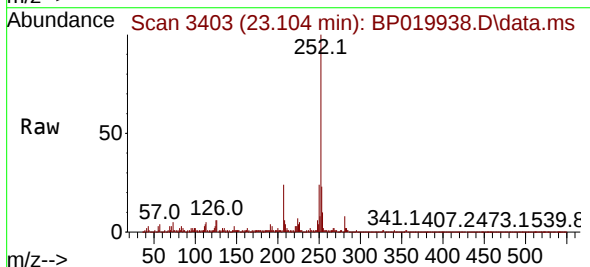
Tgt Ion:252 Resp: 501691

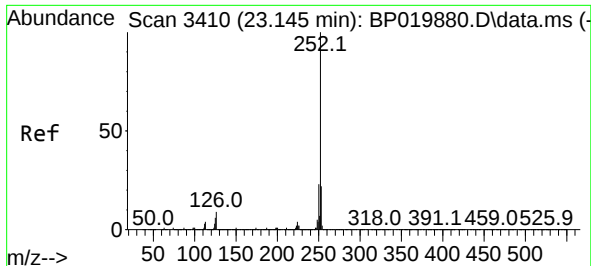
Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 6.1 4.6 7.0

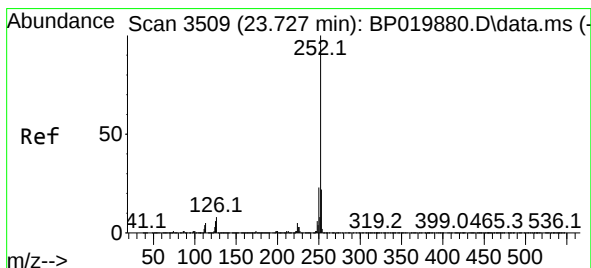
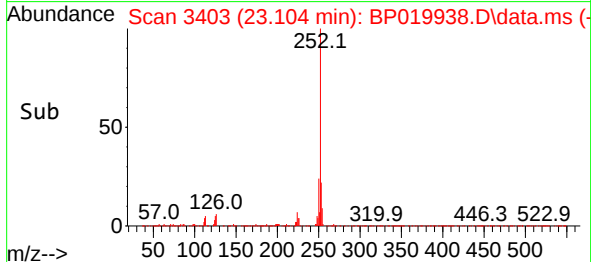
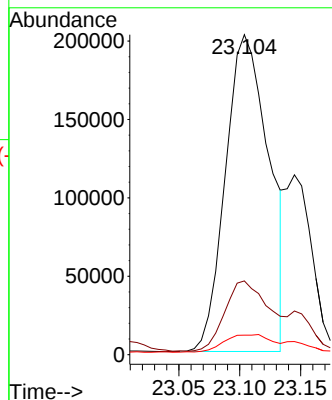
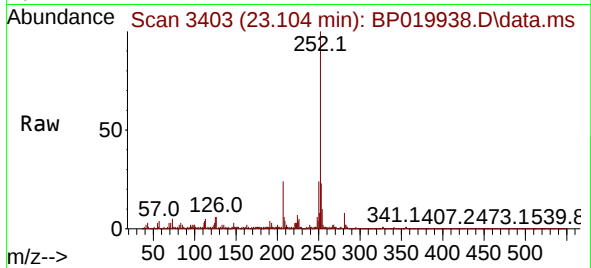




#89  
Benzo(k)fluoranthene  
Concen: 17.062 ng  
RT: 23.104 min Scan# 3410  
Delta R.T. -0.071 min  
Lab File: BP019938.D  
Acq: 29 Feb 2024 15:43

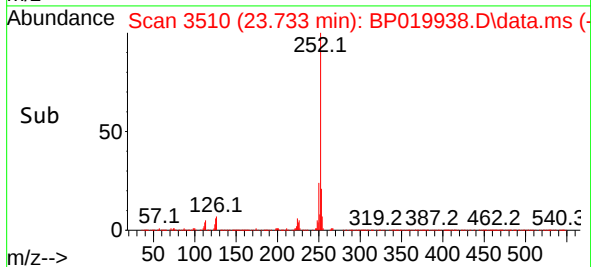
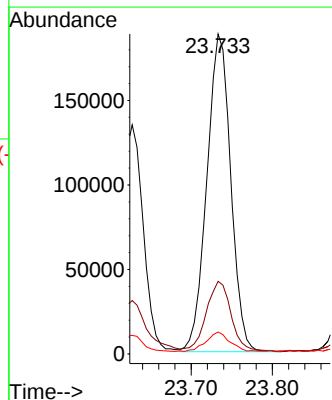
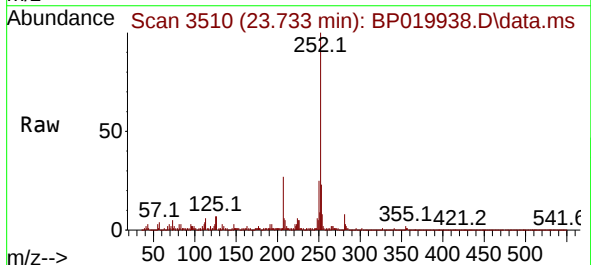
Instrument :  
BNA\_P  
ClientSampleId :  
WC-4DL

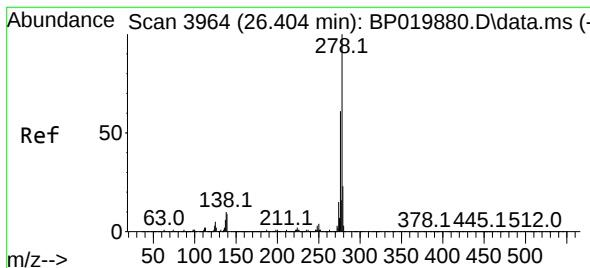
Tgt Ion:252 Resp: 501691  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.3 25.9  
125 6.1 4.6 6.8



#90  
Benzo(a)pyrene  
Concen: 13.416 ng  
RT: 23.733 min Scan# 3510  
Delta R.T. -0.029 min  
Lab File: BP019938.D  
Acq: 29 Feb 2024 15:43

Tgt Ion:252 Resp: 384415  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.5 26.3  
125 6.8 5.2 7.8





#91

Dibenzo(a,h)anthracene

Concen: 2.224 ng

RT: 26.404 min Scan# 3964

Delta R.T. -0.059 min

Lab File: BP019938.D

Acq: 29 Feb 2024 15:43

Instrument :

BNA\_P

ClientSampleId :

WC-4DL

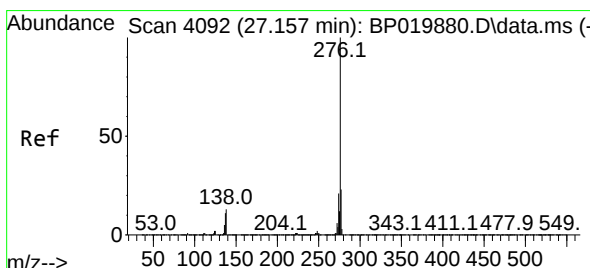
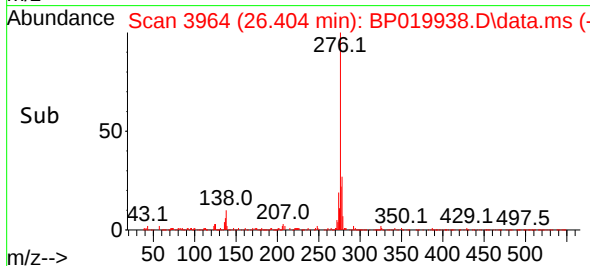
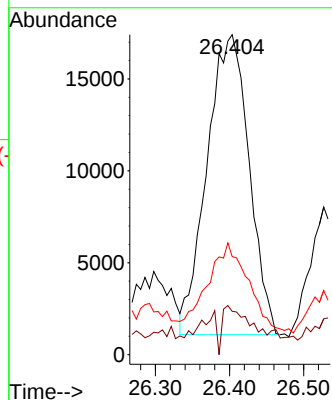
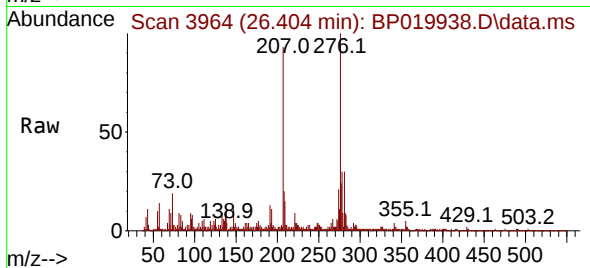
Tgt Ion:278 Resp: 64371

Ion Ratio Lower Upper

278 100

139 13.6 7.4 11.0#

279 30.6 18.7 28.1#



#92

Benzo(g,h,i)perylene

Concen: 8.202 ng

RT: 27.168 min Scan# 4094

Delta R.T. -0.059 min

Lab File: BP019938.D

Acq: 29 Feb 2024 15:43

Tgt Ion:276 Resp: 229164

Ion Ratio Lower Upper

276 100

277 25.6 18.5 27.7

138 13.0 10.2 15.2

