

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM082924\  
 Data File : BM047399.D  
 Acq On : 29 Aug 2024 18:25  
 Operator : RC/JU  
 Sample : P3771-01 2X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DN-W-03

Quant Time: Aug 30 00:29:25 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM082624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 26 18:11:40 2024  
 Response via : Initial Calibration

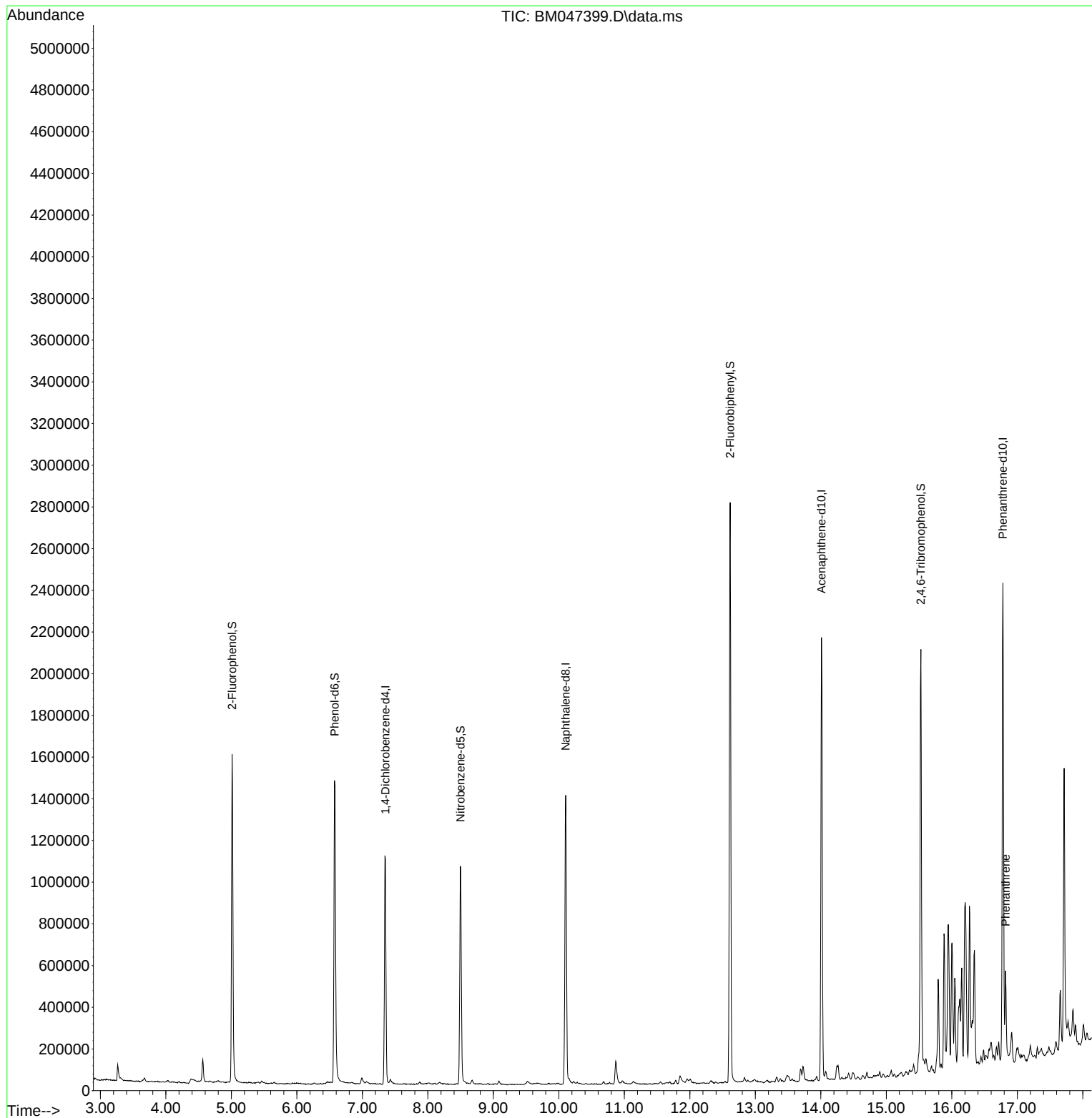
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.351  | 152  | 319798   | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 10.104 | 136  | 1186749  | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 14.010 | 164  | 772528   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 16.780 | 188  | 1382229  | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 21.021 | 240  | 968887   | 20.000    | ng     | 0.00     |
| 86) Perylene-d12              | 23.733 | 264  | 1131647  | 20.000    | ng     | 0.02     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.010  | 112  | 728708   | 43.717    | ng     | 0.00     |
| 7) Phenol-d6                  | 6.575  | 99   | 969996   | 42.718    | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 8.498  | 82   | 644182   | 30.118    | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.527 | 330  | 396812   | 42.574    | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.616 | 172  | 1578315  | 31.392    | ng     | 0.00     |
| 79) Terphenyl-d14             | 19.445 | 244  | 1742348  | 32.009    | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.528  | 77   | 3649     | Below Cal | #      | 66       |
| 71) Phenanthrene              | 16.821 | 178  | 254367   | 3.789     | ng     | 99       |
| 75) Fluoranthene              | 18.862 | 202  | 379397   | 4.813     | ng     | 99       |
| 78) Pyrene                    | 19.227 | 202  | 449974   | 6.055     | ng     | 99       |
| 81) Benzo(a)anthracene        | 21.003 | 228  | 228233   | 3.612     | ng     | 94       |
| 83) Chrysene                  | 21.062 | 228  | 258608   | 4.351     | ng     | 95       |
| 84) Bis(2-ethylhexyl)phtha... | 20.956 | 149  | 152081   | 3.700     | ng     | # 99     |
| 87) Indeno(1,2,3-cd)pyrene    | 26.744 | 276  | 433753   | 6.123     | ng     | 97       |
| 88) Benzo(b)fluoranthene      | 22.886 | 252  | 442279   | 6.699     | ng     | # 93     |
| 89) Benzo(k)fluoranthene      | 22.886 | 252  | 442279   | 7.067     | ng     | # 93     |
| 90) Benzo(a)pyrene            | 23.603 | 252  | 310974   | 5.447     | ng     | # 92     |
| 91) Dibenzo(a,h)anthracene    | 26.762 | 278  | 118574   | 2.066     | ng     | # 79     |
| 92) Benzo(g,h,i)perylene      | 27.679 | 276  | 511633   | 8.575     | ng     | 99       |
| -----                         |        |      |          |           |        |          |

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

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Sample : P3771-01 2X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DN-W-03

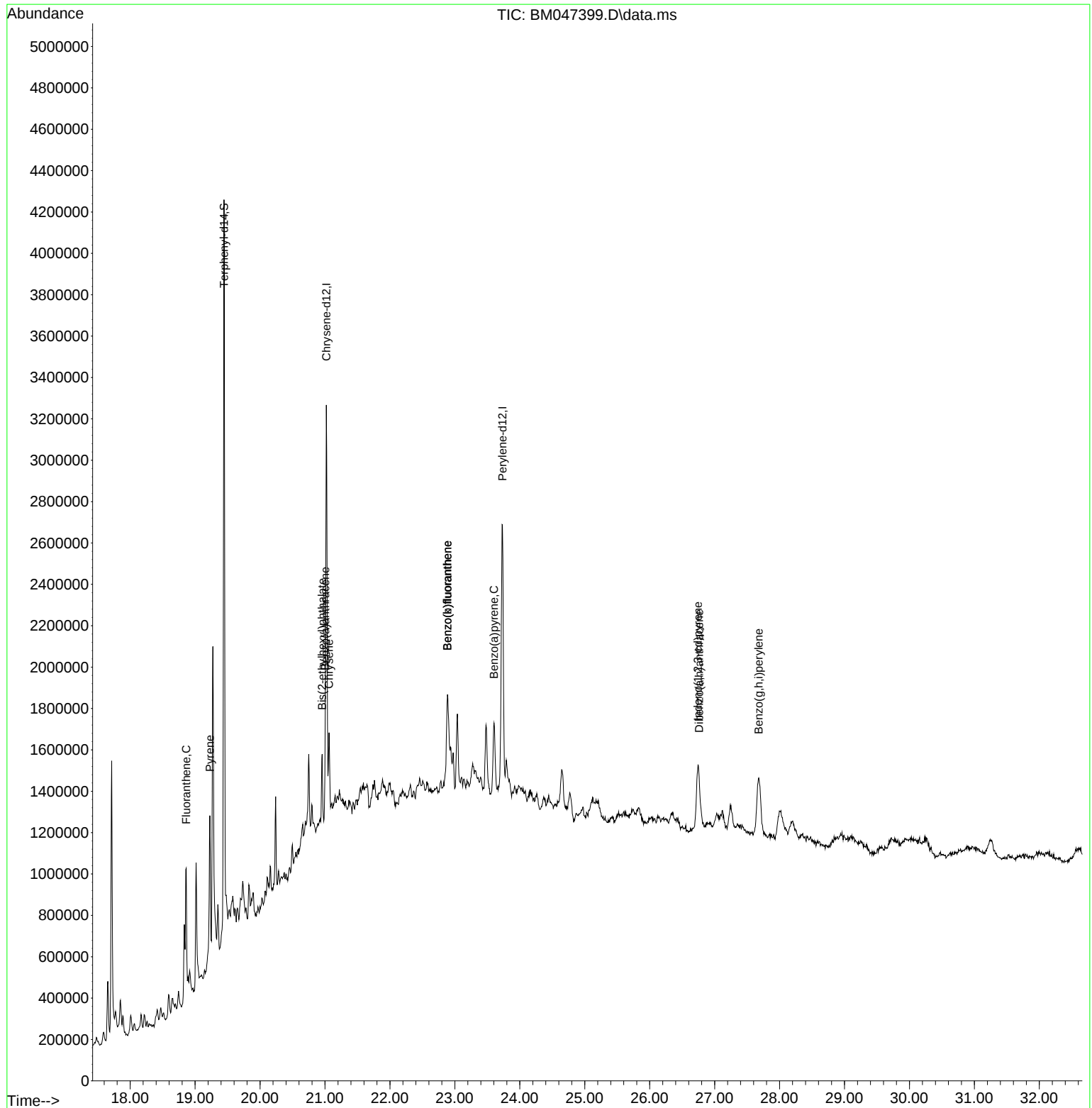
Quant Time: Aug 30 00:29:25 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM082624.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 26 18:11:40 2024  
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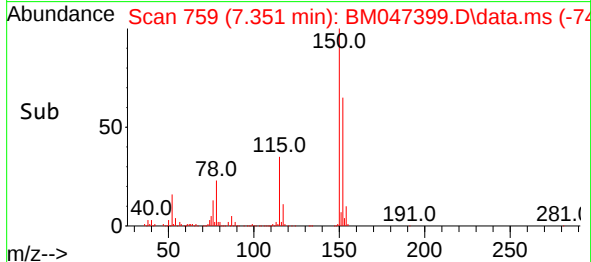
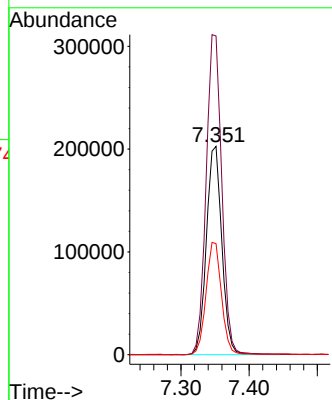
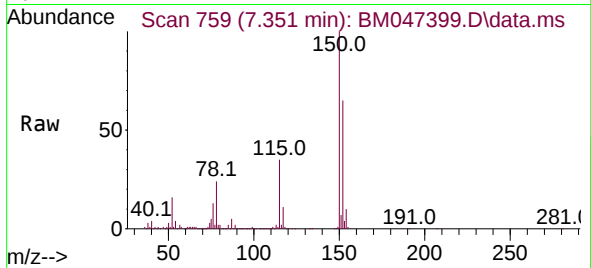




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.351 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: BM047399.D  
 Acq: 29 Aug 2024 18:25

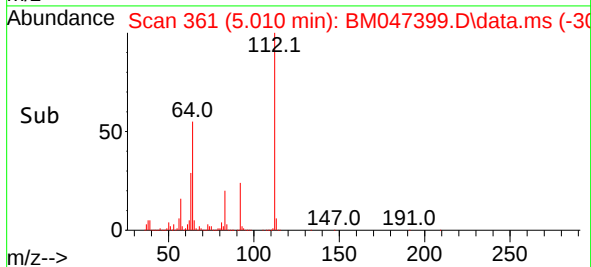
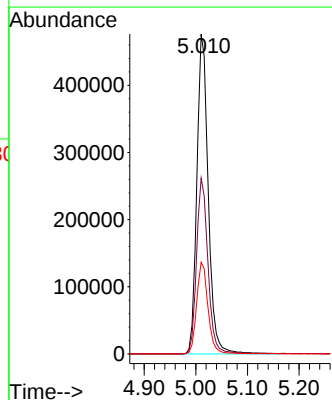
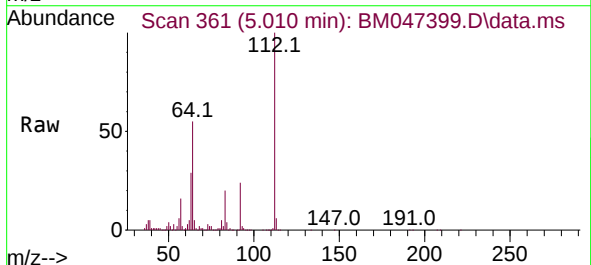
Instrument :  
 BNA\_M  
 ClientSampleId :  
 DN-W-03

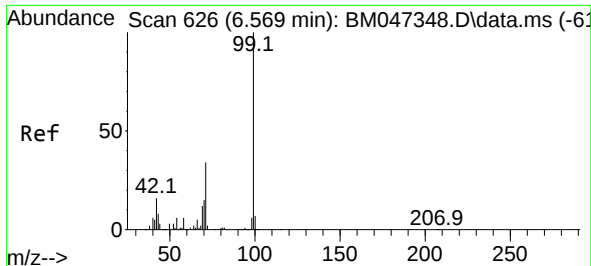
Tgt Ion:152 Resp: 319798  
 Ion Ratio Lower Upper  
 152 100  
 150 153.0 121.3 181.9  
 115 53.3 42.6 64.0



#5  
 2-Fluorophenol  
 Concen: 43.717 ng  
 RT: 5.010 min Scan# 361  
 Delta R.T. 0.006 min  
 Lab File: BM047399.D  
 Acq: 29 Aug 2024 18:25

Tgt Ion:112 Resp: 728708  
 Ion Ratio Lower Upper  
 112 100  
 64 54.9 45.7 68.5  
 63 28.7 23.8 35.8

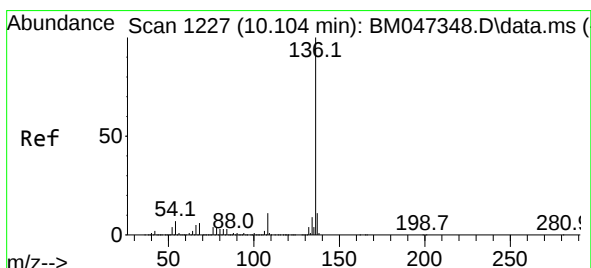
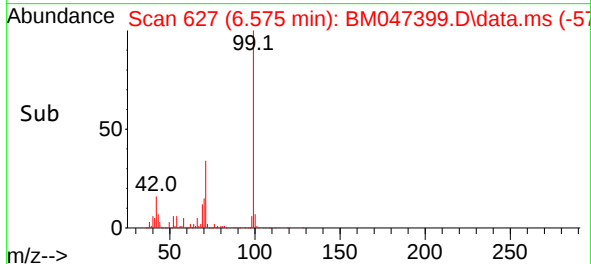
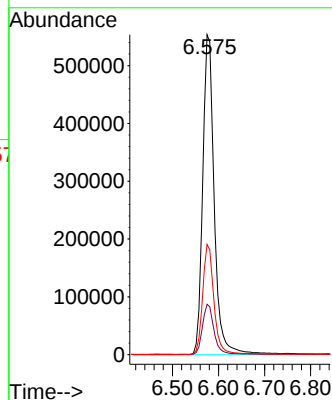
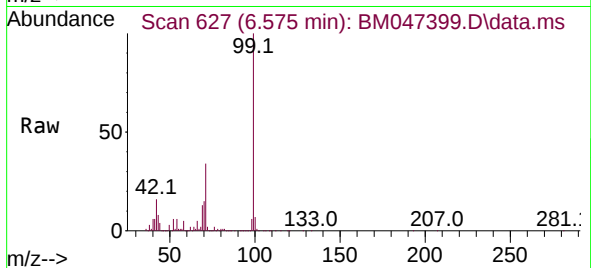




#7  
Phenol-d6  
Concen: 42.718 ng  
RT: 6.575 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: BM047399.D  
Acq: 29 Aug 2024 18:25

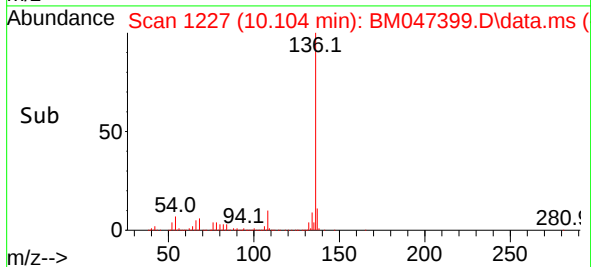
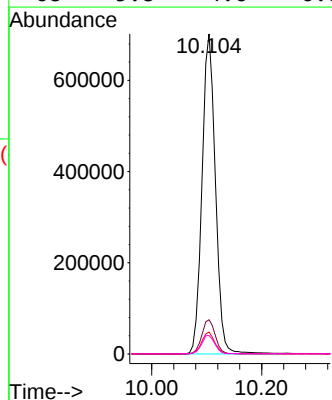
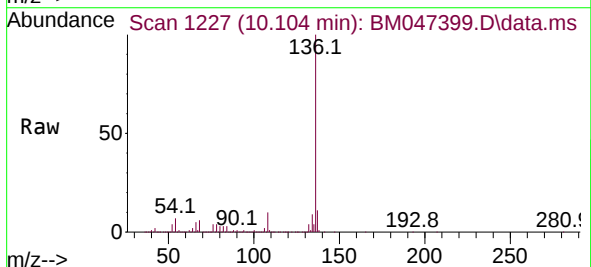
Instrument :  
BNA\_M  
ClientSampleId :  
DN-W-03

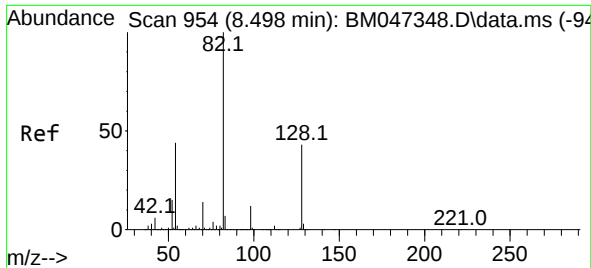
Tgt Ion: 99 Resp: 969996  
Ion Ratio Lower Upper  
99 100  
42 15.8 13.0 19.4  
71 34.5 27.5 41.3



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.104 min Scan# 1227  
Delta R.T. 0.000 min  
Lab File: BM047399.D  
Acq: 29 Aug 2024 18:25

Tgt Ion: 136 Resp: 1186749  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.8 13.2  
54 6.9 5.2 7.8  
68 5.8 4.6 6.8

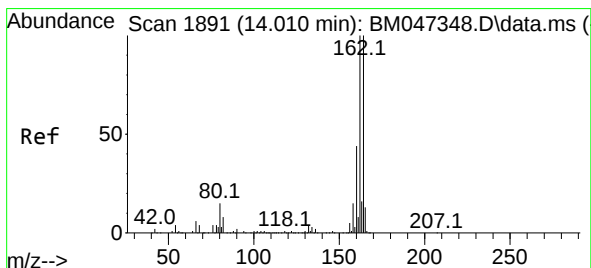
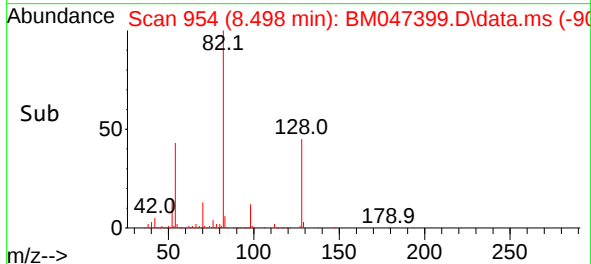
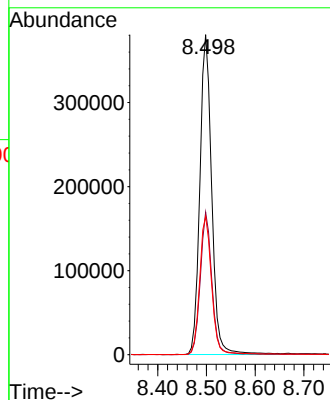
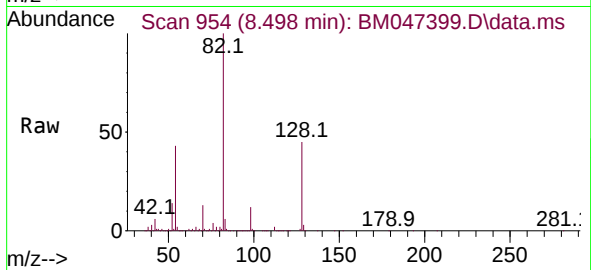




#23  
Nitrobenzene-d5  
Concen: 30.118 ng  
RT: 8.498 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BM047399.D  
Acq: 29 Aug 2024 18:25

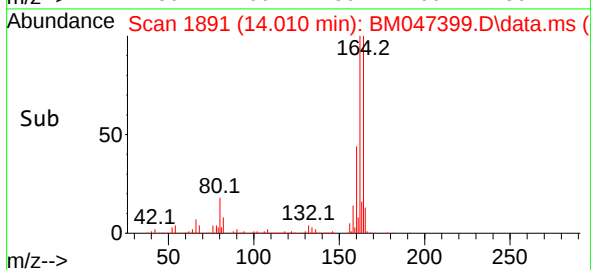
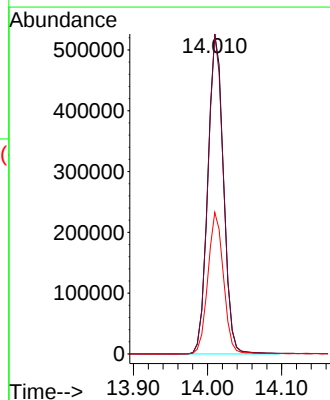
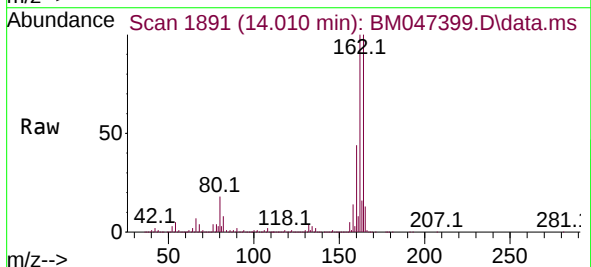
Instrument :  
BNA\_M  
ClientSampleId :  
DN-W-03

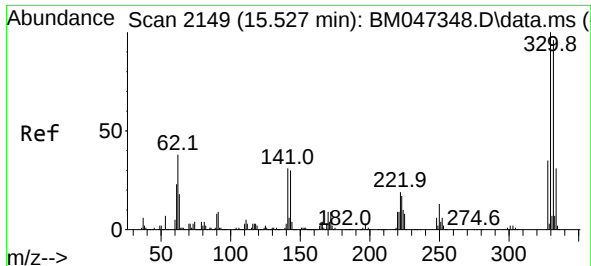
Tgt Ion: 82 Resp: 644182  
Ion Ratio Lower Upper  
82 100  
128 44.6 34.6 51.8  
54 43.2 35.5 53.3



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.010 min Scan# 1891  
Delta R.T. -0.000 min  
Lab File: BM047399.D  
Acq: 29 Aug 2024 18:25

Tgt Ion: 164 Resp: 772528  
Ion Ratio Lower Upper  
164 100  
162 100.1 79.7 119.5  
160 44.3 34.9 52.3

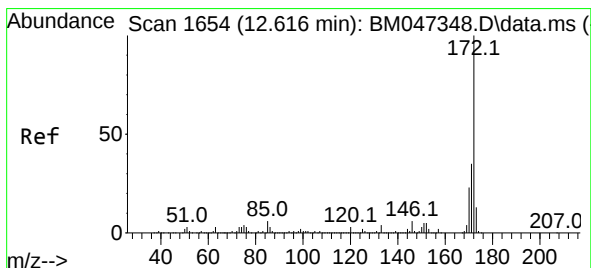
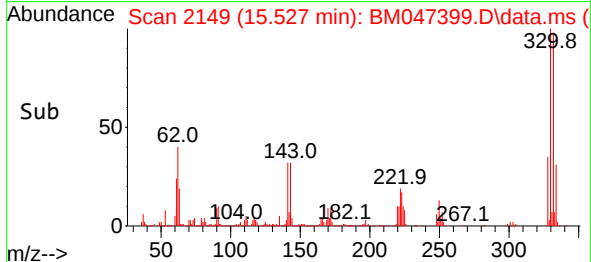
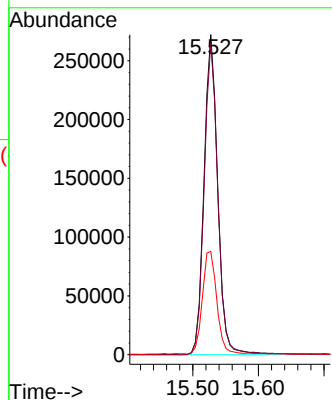
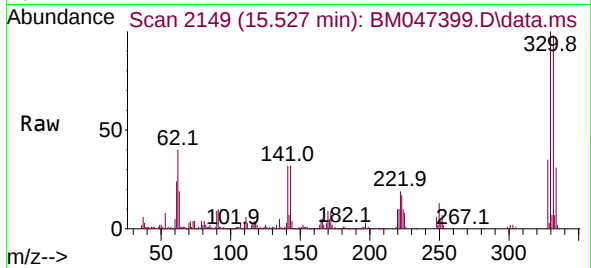




#42  
2,4,6-Tribromophenol  
Concen: 42.574 ng  
RT: 15.527 min Scan# 2149  
Delta R.T. 0.000 min  
Lab File: BM047399.D  
Acq: 29 Aug 2024 18:25

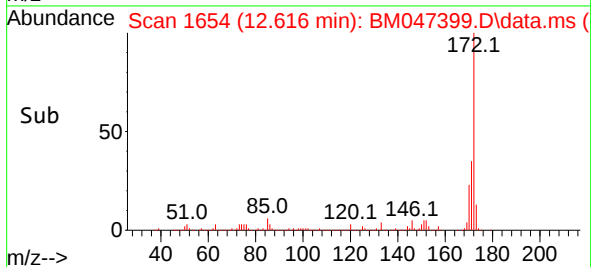
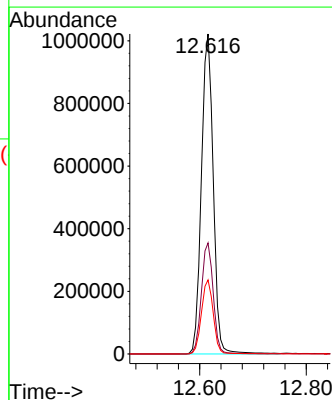
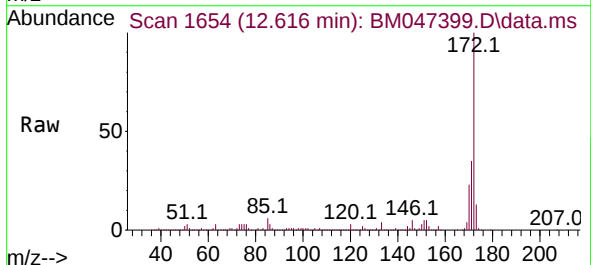
Instrument :  
BNA\_M  
ClientSampleId :  
DN-W-03

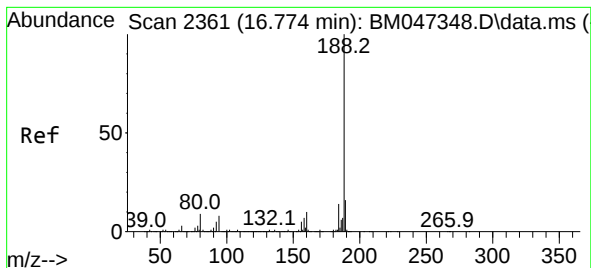
Tgt Ion:330 Resp: 396812  
Ion Ratio Lower Upper  
330 100  
332 97.2 77.2 115.8  
141 33.5 27.6 41.4



#45  
2-Fluorobiphenyl  
Concen: 31.392 ng  
RT: 12.616 min Scan# 1654  
Delta R.T. 0.000 min  
Lab File: BM047399.D  
Acq: 29 Aug 2024 18:25

Tgt Ion:172 Resp: 1578315  
Ion Ratio Lower Upper  
172 100  
171 34.7 27.8 41.6  
170 23.2 18.5 27.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.780 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM047399.D

Acq: 29 Aug 2024 18:25

Instrument :

BNA\_M

ClientSampleId :

DN-W-03

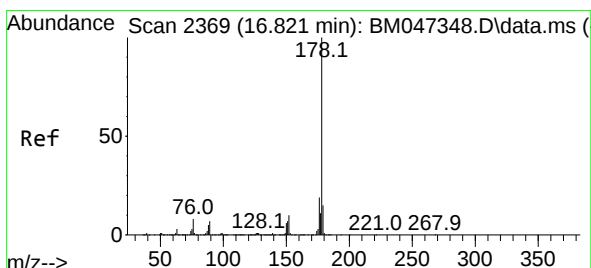
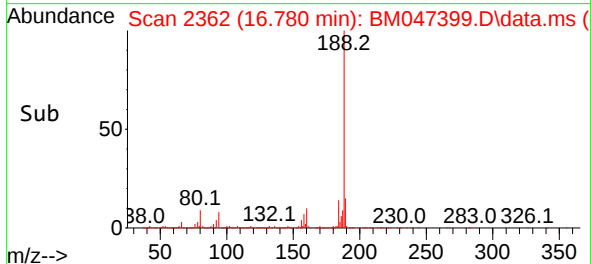
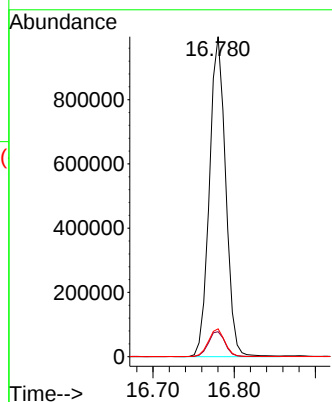
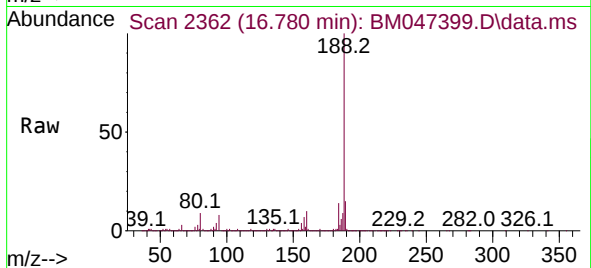
Tgt Ion:188 Resp: 1382229

Ion Ratio Lower Upper

188 100

94 7.8 6.4 9.6

80 8.7 7.4 11.2



#71

Phenanthrene

Concen: 3.789 ng

RT: 16.821 min Scan# 2369

Delta R.T. 0.000 min

Lab File: BM047399.D

Acq: 29 Aug 2024 18:25

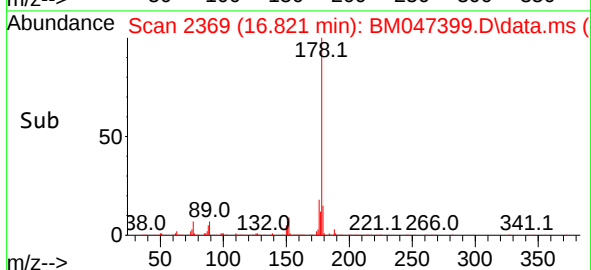
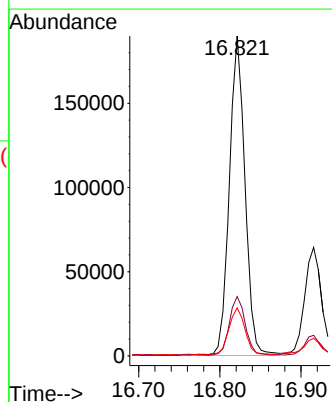
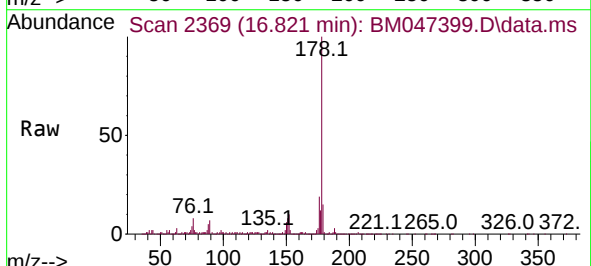
Tgt Ion:178 Resp: 254367

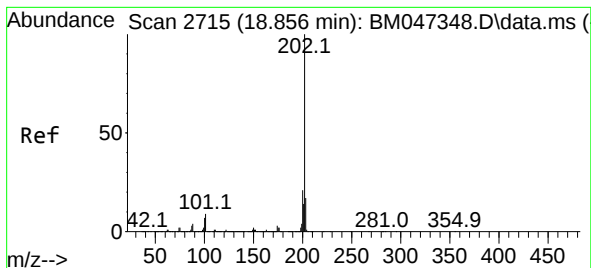
Ion Ratio Lower Upper

178 100

176 18.5 15.2 22.8

179 15.1 12.2 18.4





#75

Fluoranthene

Concen: 4.813 ng

RT: 18.862 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM047399.D

Acq: 29 Aug 2024 18:25

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ClientSampleId :

DN-W-03

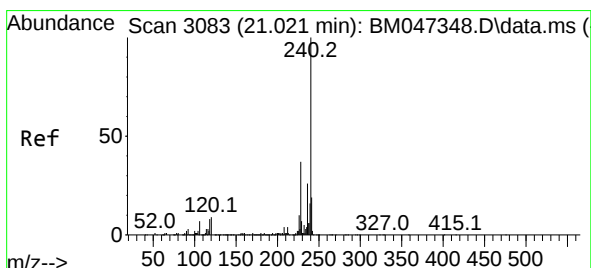
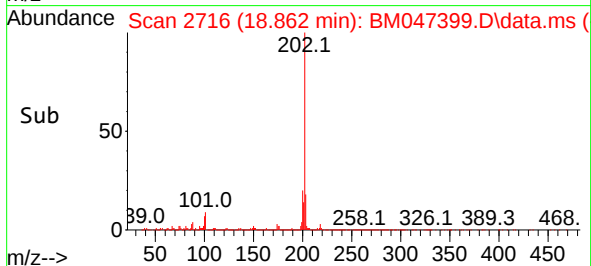
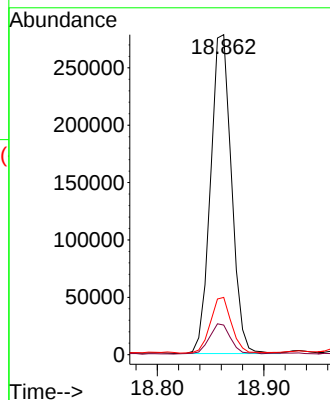
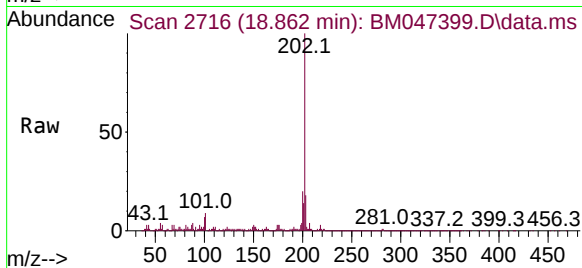
Tgt Ion:202 Resp: 379397

Ion Ratio Lower Upper

202 100

101 9.3 0.0 29.0

203 17.9 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.021 min Scan# 3083

Delta R.T. 0.000 min

Lab File: BM047399.D

Acq: 29 Aug 2024 18:25

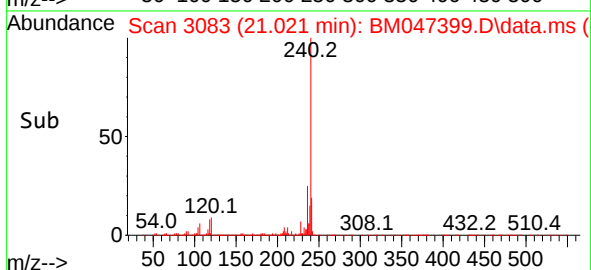
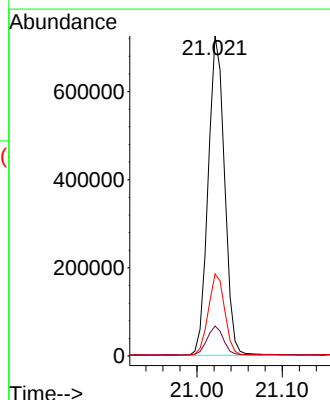
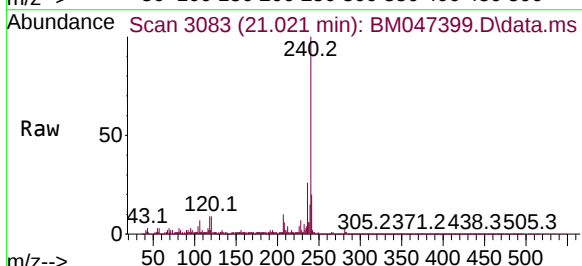
Tgt Ion:240 Resp: 968887

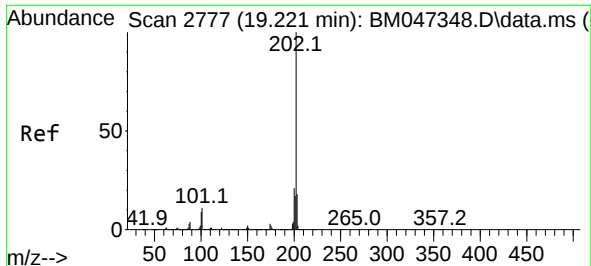
Ion Ratio Lower Upper

240 100

120 9.4 7.4 11.0

236 25.7 20.8 31.2

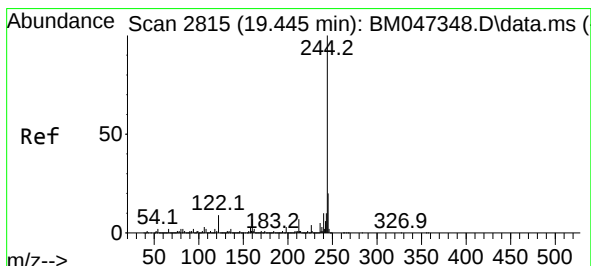
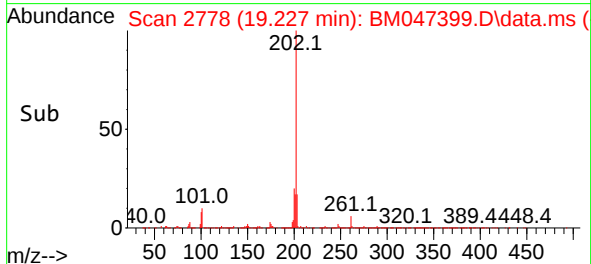
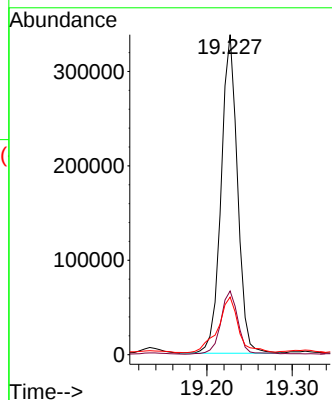
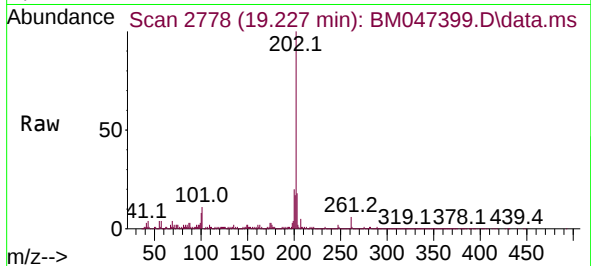




#78  
Pyrene  
Concen: 6.055 ng  
RT: 19.227 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BM047399.D  
Acq: 29 Aug 2024 18:25

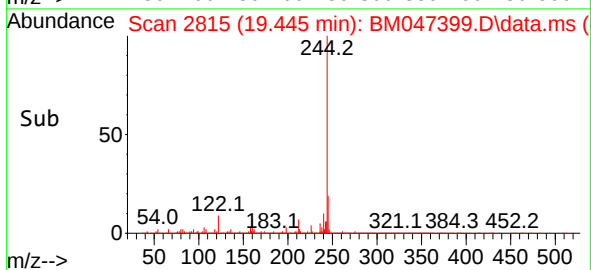
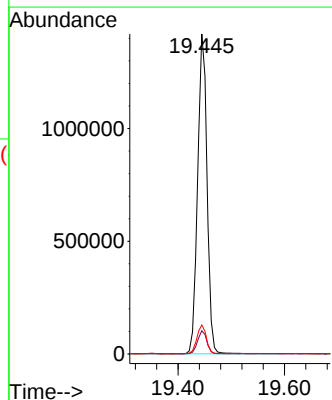
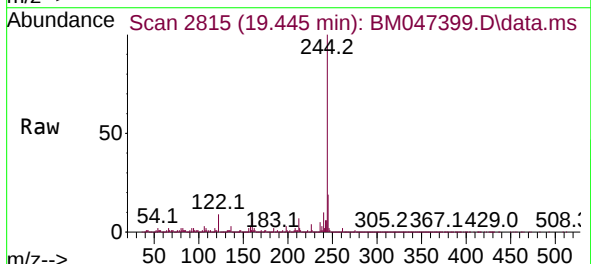
Instrument :  
BNA\_M  
ClientSampleId :  
DN-W-03

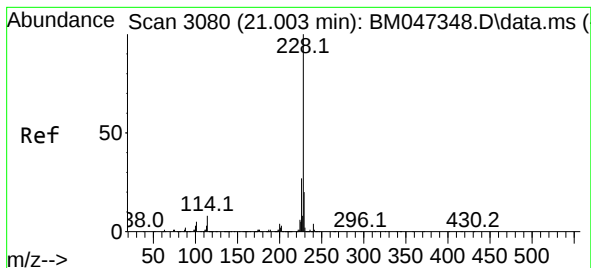
Tgt Ion:202 Resp: 449974  
Ion Ratio Lower Upper  
202 100  
200 19.9 16.7 25.1  
203 18.0 14.2 21.4



#79  
Terphenyl-d14  
Concen: 32.009 ng  
RT: 19.445 min Scan# 2815  
Delta R.T. 0.000 min  
Lab File: BM047399.D  
Acq: 29 Aug 2024 18:25

Tgt Ion:244 Resp: 1742348  
Ion Ratio Lower Upper  
244 100  
212 7.3 6.0 9.0  
122 9.0 7.0 10.4





#81

Benzo(a)anthracene

Concen: 3.612 ng

RT: 21.003 min Scan# 3080

Delta R.T. 0.000 min

Lab File: BM047399.D

Acq: 29 Aug 2024 18:25

Instrument :

BNA\_M

ClientSampleId :

DN-W-03

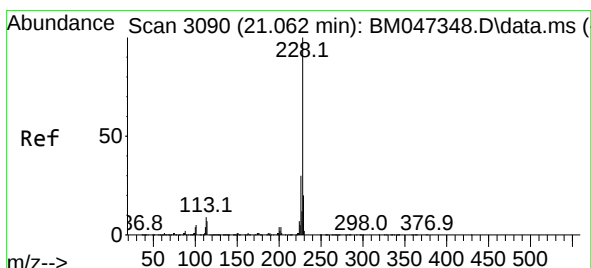
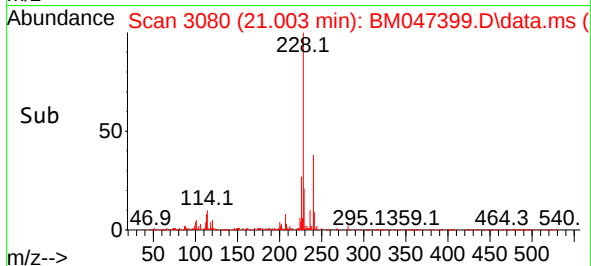
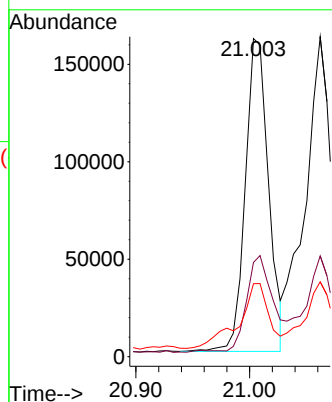
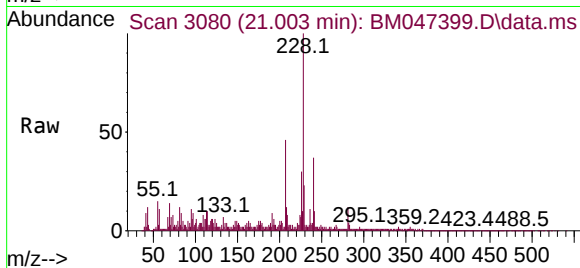
Tgt Ion:228 Resp: 228233

Ion Ratio Lower Upper

228 100

226 29.6 21.4 32.0

229 22.9 15.8 23.8



#83

Chrysene

Concen: 4.351 ng

RT: 21.062 min Scan# 3090

Delta R.T. 0.000 min

Lab File: BM047399.D

Acq: 29 Aug 2024 18:25

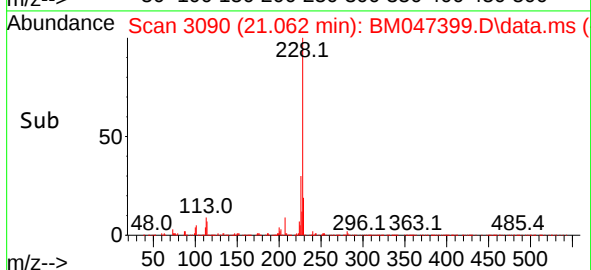
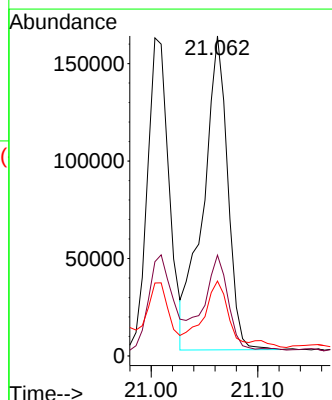
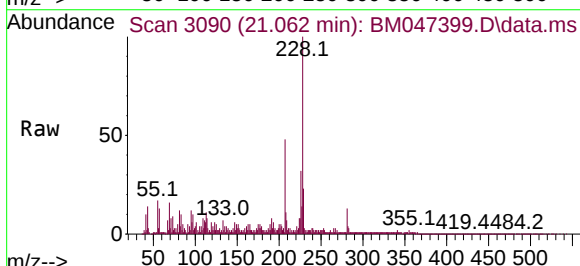
Tgt Ion:228 Resp: 258608

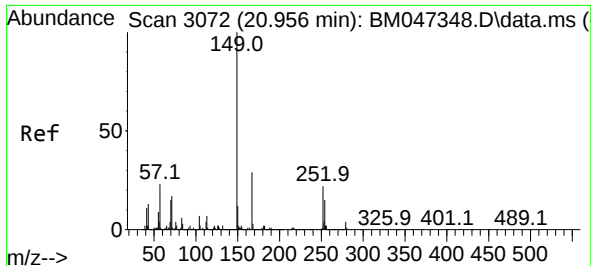
Ion Ratio Lower Upper

228 100

226 31.5 24.0 36.0

229 23.4 15.9 23.9

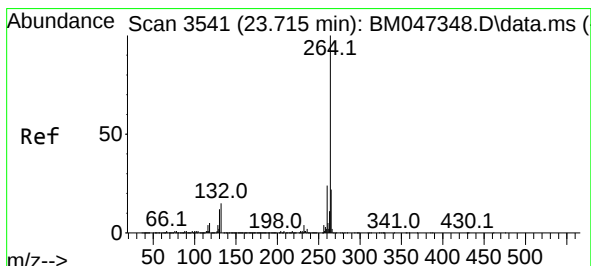
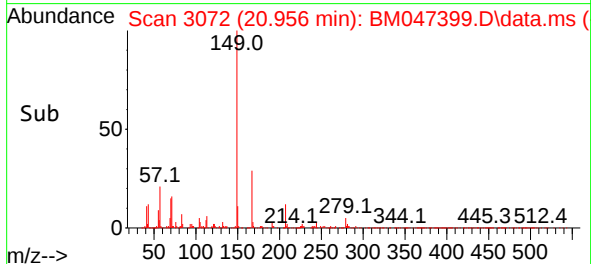
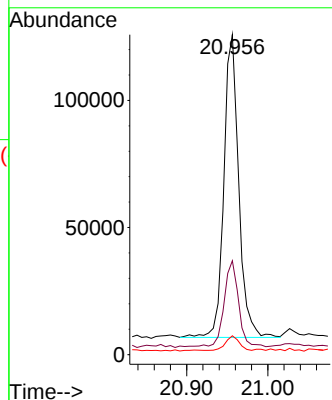
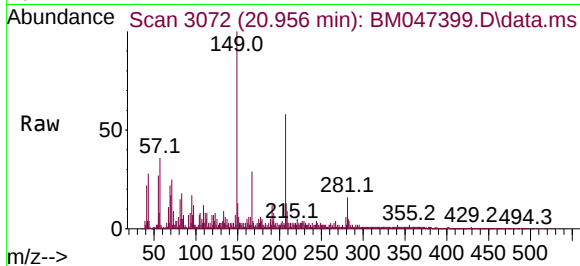




#84  
Bis(2-ethylhexyl)phthalate  
Concen: 3.700 ng  
RT: 20.956 min Scan# 3072  
Delta R.T. 0.000 min  
Lab File: BM047399.D  
Acq: 29 Aug 2024 18:25

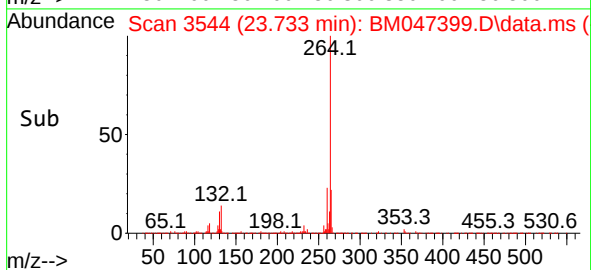
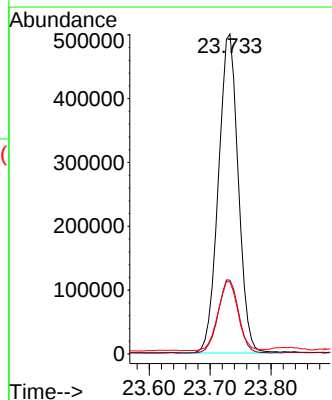
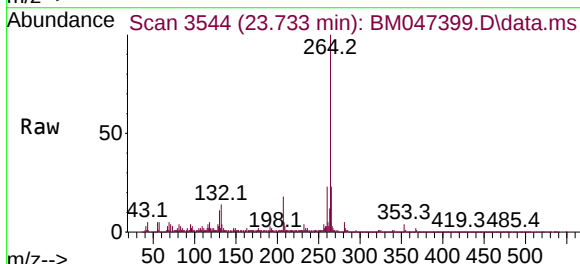
Instrument :  
BNA\_M  
ClientSampleId :  
DN-W-03

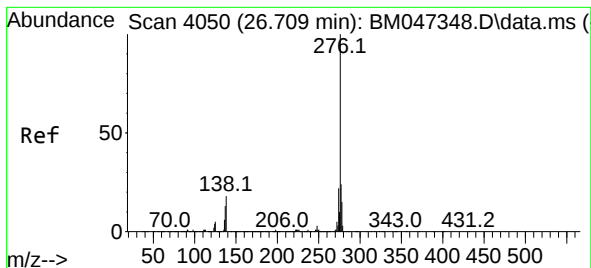
Tgt Ion:149 Resp: 152081  
Ion Ratio Lower Upper  
149 100  
167 29.3 23.1 34.7  
279 5.9 3.3 4.9#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.733 min Scan# 3544  
Delta R.T. 0.018 min  
Lab File: BM047399.D  
Acq: 29 Aug 2024 18:25

Tgt Ion:264 Resp: 1131647  
Ion Ratio Lower Upper  
264 100  
260 23.1 19.0 28.4  
265 22.5 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.123 ng

RT: 26.744 min Scan# 4050

Delta R.T. 0.035 min

Lab File: BM047399.D

Acq: 29 Aug 2024 18:25

Instrument :

BNA\_M

ClientSampleId :

DN-W-03

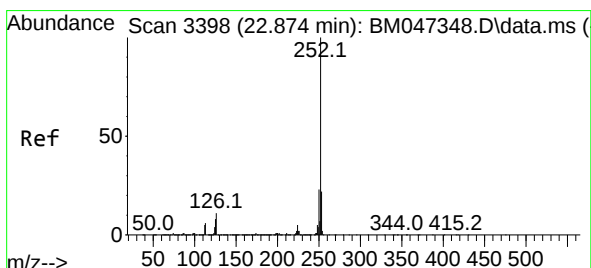
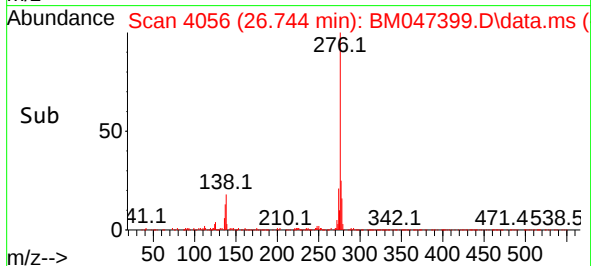
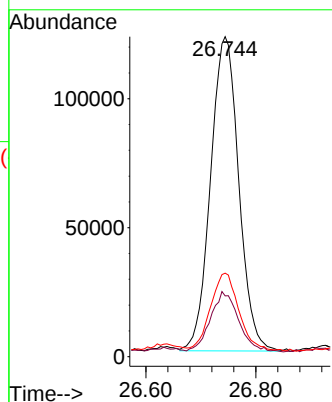
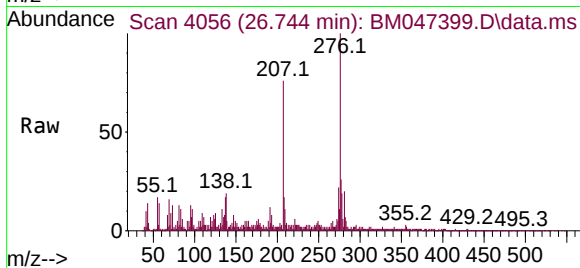
Tgt Ion:276 Resp: 433753

Ion Ratio Lower Upper

276 100

138 19.3 17.7 26.5

277 24.9 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 6.699 ng

RT: 22.886 min Scan# 3400

Delta R.T. 0.012 min

Lab File: BM047399.D

Acq: 29 Aug 2024 18:25

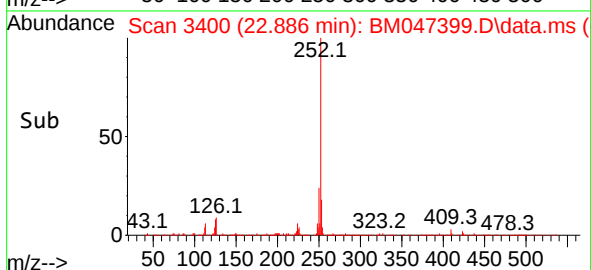
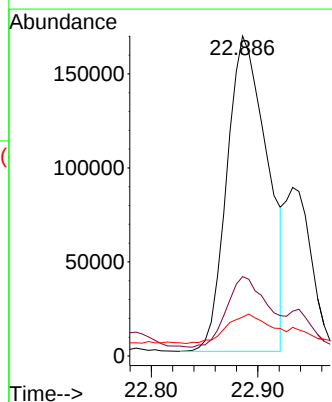
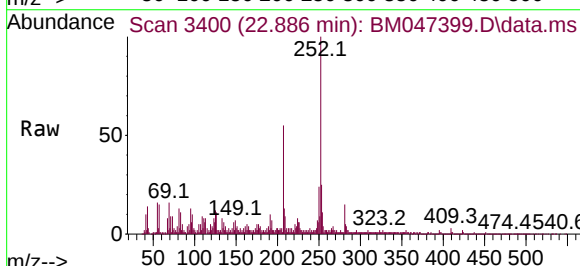
Tgt Ion:252 Resp: 442279

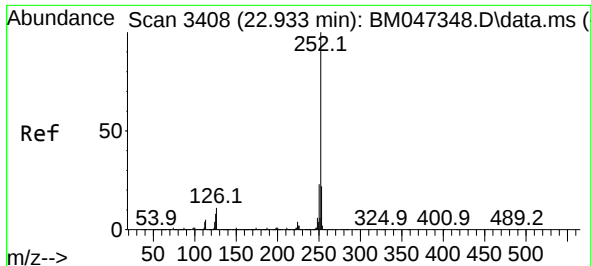
Ion Ratio Lower Upper

252 100

253 24.8 17.8 26.6

125 12.2 6.6 10.0#

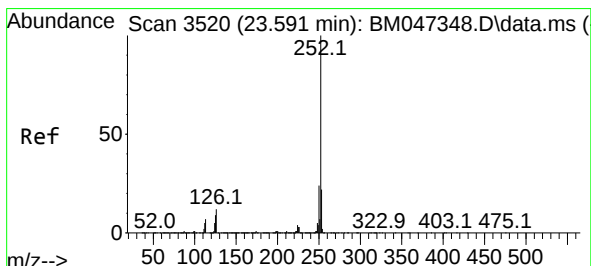
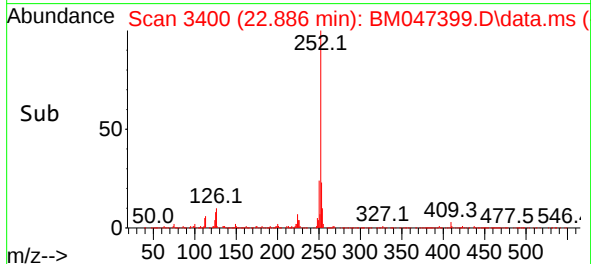
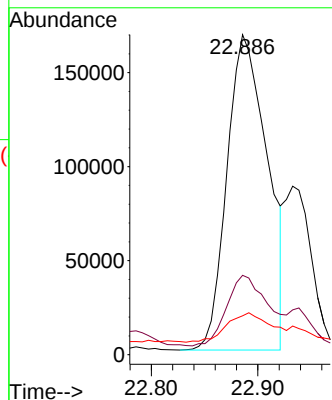
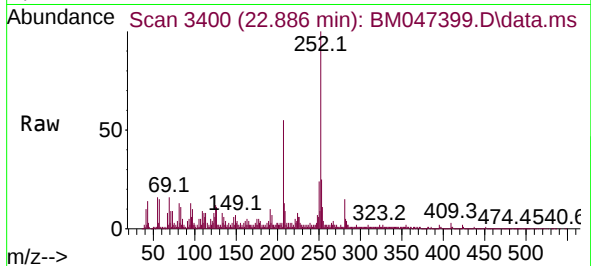




#89  
Benzo(k)fluoranthene  
Concen: 7.067 ng  
RT: 22.886 min Scan# 3408  
Delta R.T. -0.047 min  
Lab File: BM047399.D  
Acq: 29 Aug 2024 18:25

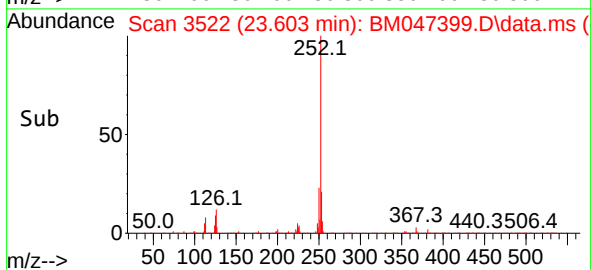
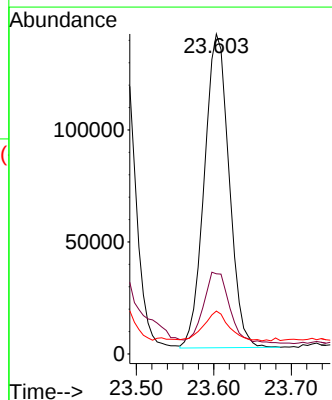
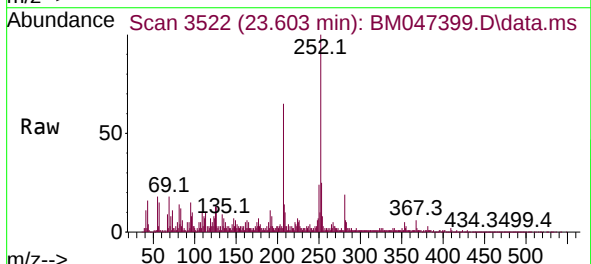
Instrument :  
BNA\_M  
ClientSampleId :  
DN-W-03

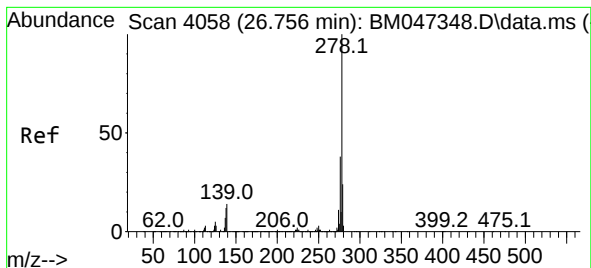
Tgt Ion:252 Resp: 442279  
Ion Ratio Lower Upper  
252 100  
253 24.8 17.5 26.3  
125 12.2 6.6 9.8#



#90  
Benzo(a)pyrene  
Concen: 5.447 ng  
RT: 23.603 min Scan# 3522  
Delta R.T. 0.012 min  
Lab File: BM047399.D  
Acq: 29 Aug 2024 18:25

Tgt Ion:252 Resp: 310974  
Ion Ratio Lower Upper  
252 100  
253 25.1 17.7 26.5  
125 13.4 7.4 11.2#





#91

Dibenzo(a,h)anthracene

Concen: 2.066 ng

RT: 26.762 min Scan# 4058

Delta R.T. 0.006 min

Lab File: BM047399.D

Acq: 29 Aug 2024 18:25

Instrument :

BNA\_M

ClientSampleId :

DN-W-03

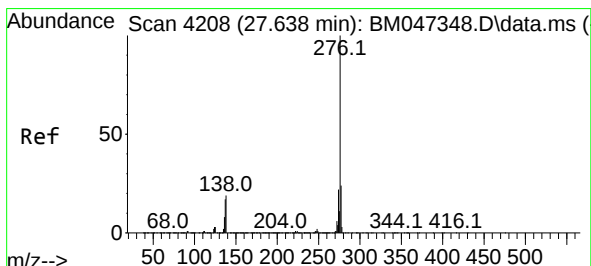
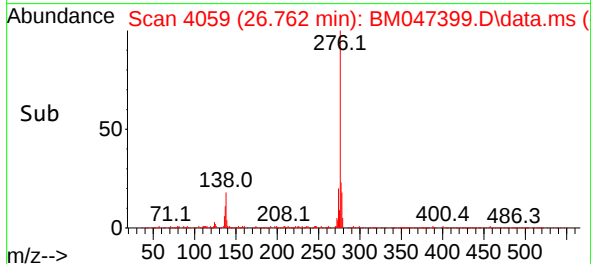
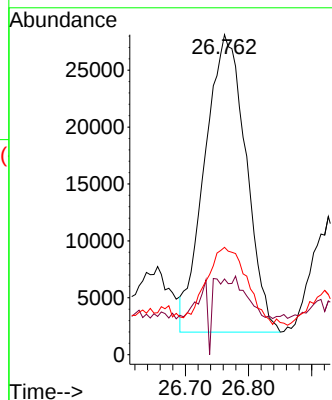
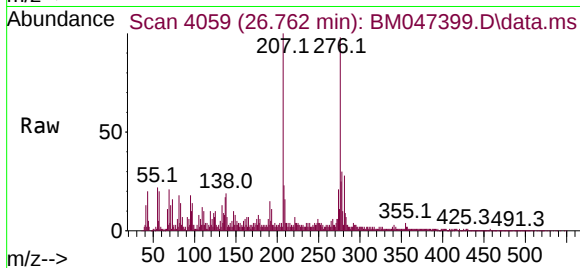
Tgt Ion:278 Resp: 118574

Ion Ratio Lower Upper

278 100

139 23.7 11.1 16.7#

279 33.5 19.2 28.8#



#92

Benzo(g,h,i)perylene

Concen: 8.575 ng

RT: 27.679 min Scan# 4215

Delta R.T. 0.041 min

Lab File: BM047399.D

Acq: 29 Aug 2024 18:25

Tgt Ion:276 Resp: 511633

Ion Ratio Lower Upper

276 100

277 23.7 19.4 29.0

138 19.7 15.0 22.6

