

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120822\  
 Data File : BM037901.D  
 Acq On : 08 Dec 2022 23:57  
 Operator : CG/JU  
 Sample : N5832-21 5X  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Dec 09 01:51:09 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120722.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 08 01:49:06 2022  
 Response via : Initial Calibration

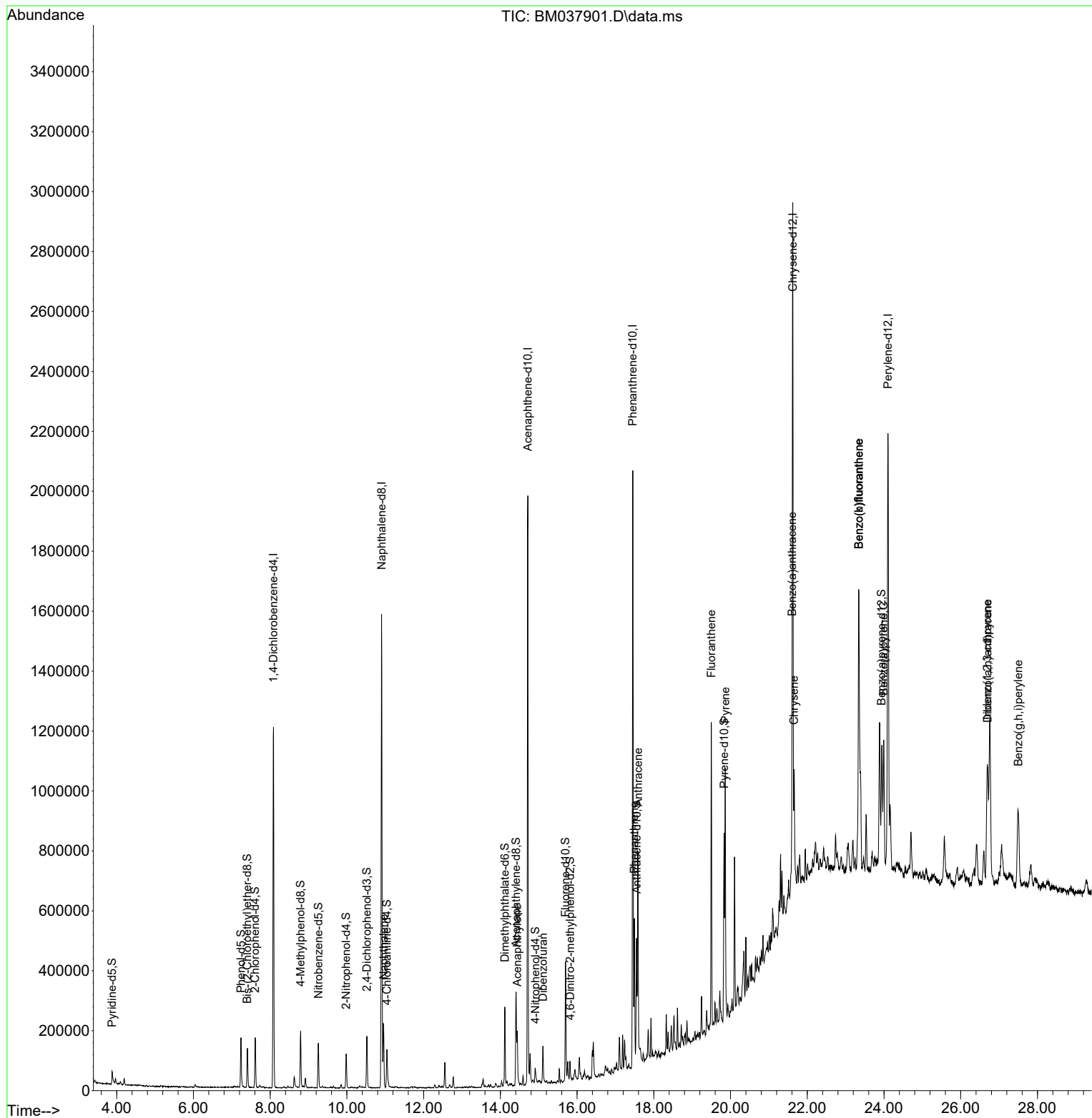
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.087  | 152  | 332881   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.904 | 136  | 1280982  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.716 | 164  | 672419   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.451 | 188  | 1247985  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.621 | 240  | 1030156  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.103 | 264  | 1181677  | 20.000 | ng/ul  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.422  | 96   | 4523     | 0.617  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.881  | 84   | 24994    | 1.149  | ng/ul  | 0.02     |
| 7) Phenol-d5                  | 7.240  | 99   | 90710    | 3.353  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.404  | 67   | 56531    | 3.432  | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.610  | 132  | 77275    | 3.482  | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.792  | 113  | 68020    | 3.221  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.257  | 128  | 36314    | 3.580  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.981  | 143  | 36146    | 3.401  | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.522 | 165  | 66359    | 3.287  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.045 | 131  | 67587    | 2.425  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.116 | 166  | 179949   | 3.754  | ng/ul  | -0.01    |
| 49) Acenaphthylene-d8         | 14.410 | 160  | 212079   | 3.620  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.910 | 143  | 16064    | 1.966  | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.698 | 176  | 162263   | 3.799  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.821 | 200  | 12947    | 1.940  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.551 | 188  | 242369   | 4.161  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.833 | 212  | 270226   | 4.367  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.939 | 264  | 251442   | 4.260  | ng/ul  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        | Qvalue   |
| 30) Naphthalene               | 10.957 | 128  | 171021   | 2.474  | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.439 | 152  | 141491   | 2.196  | ng/ul  | 98       |
| 56) Dibenzofuran              | 15.110 | 168  | 79082    | 1.300  | ng/ul  | 99       |
| 72) Phenanthrene              | 17.492 | 178  | 280650   | 4.118  | ng/ul  | 99       |
| 74) Anthracene                | 17.586 | 178  | 480705   | 6.941  | ng/ul  | 98       |
| 80) Fluoranthene              | 19.498 | 202  | 589247   | 8.068  | ng/ul  | 98       |
| 82) Pyrene                    | 19.862 | 202  | 500699   | 6.588  | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.603 | 228  | 246017   | 3.547  | ng/ul  | 96       |
| 87) Chrysene                  | 21.656 | 228  | 184863   | 2.841  | ng/ul  | 97       |
| 90) Benzo(b)fluoranthene      | 23.344 | 252  | 838188   | 11.441 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.344 | 252  | 838188   | 11.806 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.991 | 252  | 314627   | 4.884  | ng/ul  | 94       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.691 | 276  | 458162   | 5.522  | ng/ul# | 94       |
| 95) Dibenzo(a,h)anthracene    | 26.703 | 278  | 107028   | 1.530  | ng/ul# | 83       |
| 96) Benzo(g,h,i)perylene      | 27.497 | 276  | 363873   | 5.493  | ng/ul  | 100      |
| -----                         |        |      |          |        |        |          |

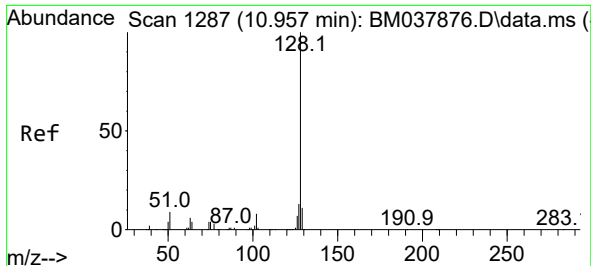
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120822\  
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Sample : N5832-21 5X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

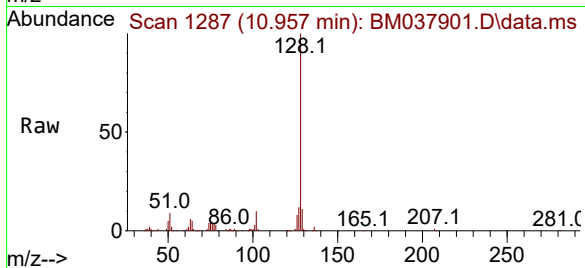
Quant Time: Dec 09 01:51:09 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120722.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Dec 08 01:49:06 2022  
Response via : Initial Calibration



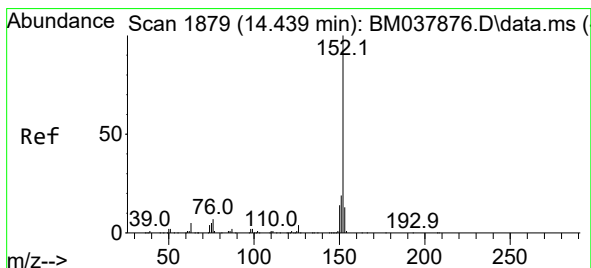
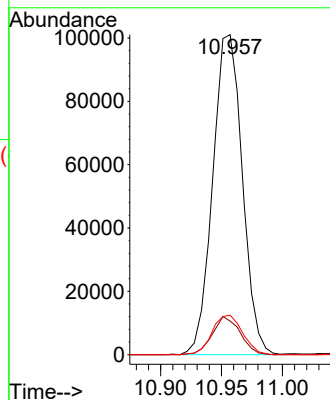
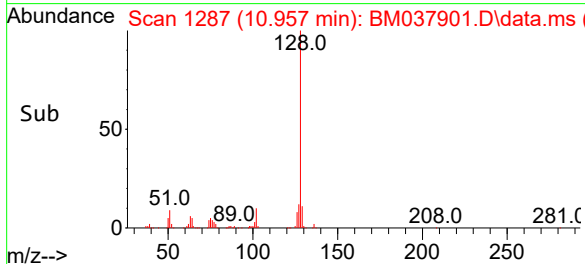


#30  
Naphthalene  
Concen: 2.474 ng/ul  
RT: 10.957 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BM037901.D  
Acq: 08 Dec 2022 23:57

Instrument :  
BNA\_M  
ClientSampleId :

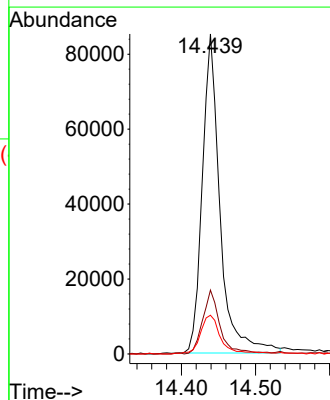
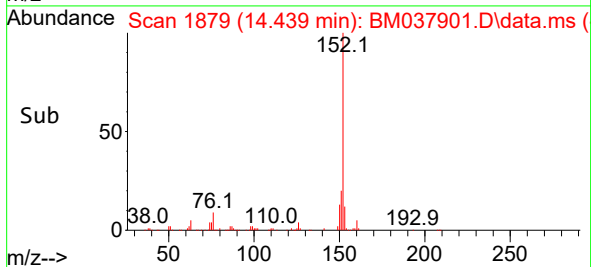
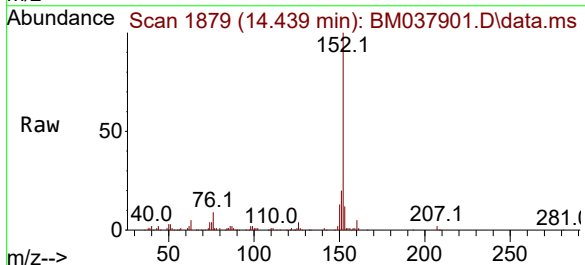


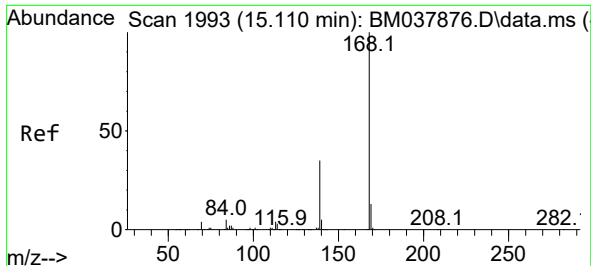
Tgt Ion:128 Resp: 171021  
Ion Ratio Lower Upper  
128 100  
129 10.5 9.0 13.4  
127 12.4 10.4 15.6



#50  
Acenaphthylene  
Concen: 2.196 ng/ul  
RT: 14.439 min Scan# 1879  
Delta R.T. -0.006 min  
Lab File: BM037901.D  
Acq: 08 Dec 2022 23:57

Tgt Ion:152 Resp: 141491  
Ion Ratio Lower Upper  
152 100  
151 20.0 15.3 22.9  
153 12.1 10.2 15.4

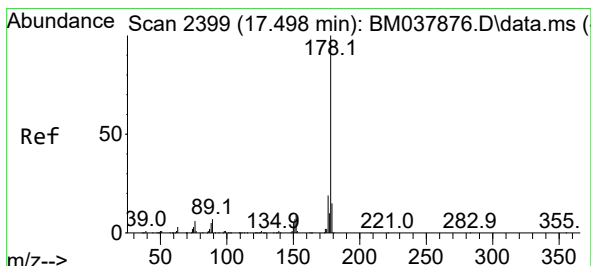
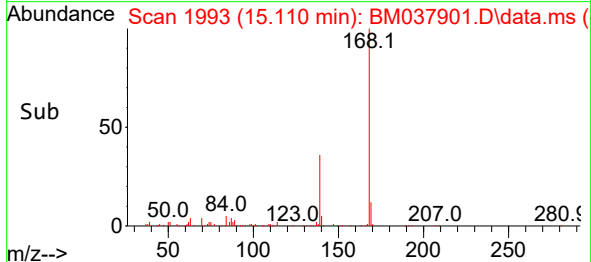
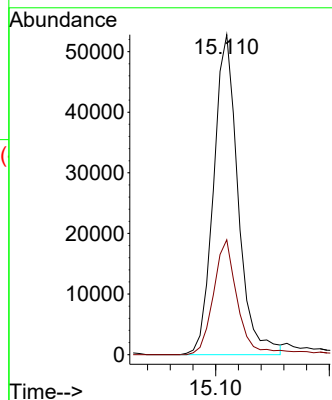
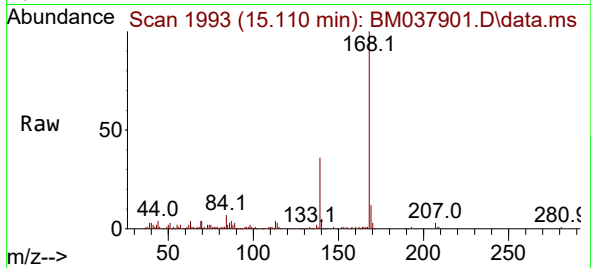




#56  
Dibenzenofuran  
Concen: 1.300 ng/ul  
RT: 15.110 min Scan# 1993  
Delta R.T. -0.006 min  
Lab File: BM037901.D  
Acq: 08 Dec 2022 23:57

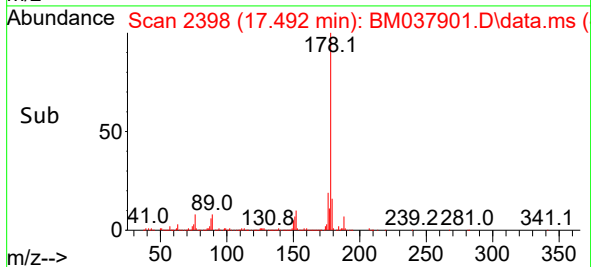
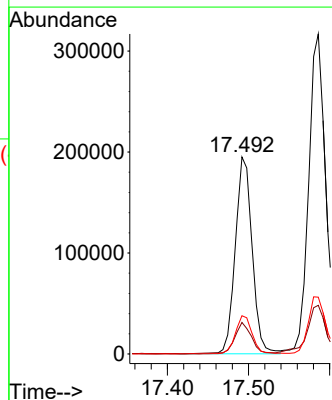
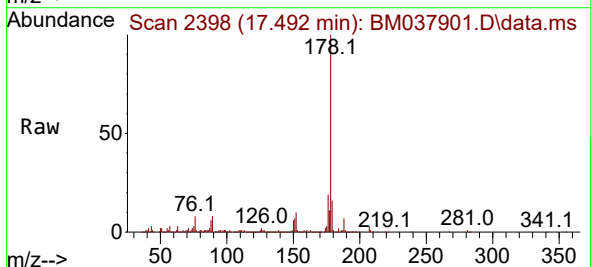
Instrument :  
BNA\_M  
ClientSampleId :

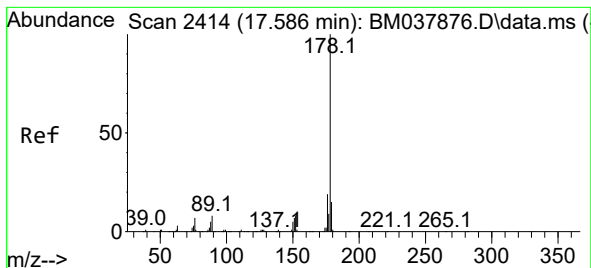
Tgt Ion:168 Resp: 79082  
Ion Ratio Lower Upper  
168 100  
139 35.9 28.1 42.1



#72  
Phenanthrene  
Concen: 4.118 ng/ul  
RT: 17.492 min Scan# 2398  
Delta R.T. -0.006 min  
Lab File: BM037901.D  
Acq: 08 Dec 2022 23:57

Tgt Ion:178 Resp: 280650  
Ion Ratio Lower Upper  
178 100  
179 16.0 12.2 18.2  
176 19.5 15.4 23.0





#74

Anthracene

Concen: 6.941 ng/ul

RT: 17.586 min Scan# 2414

Delta R.T. -0.006 min

Lab File: BM037901.D

Acq: 08 Dec 2022 23:57

Instrument :

BNA\_M

ClientSampleId :

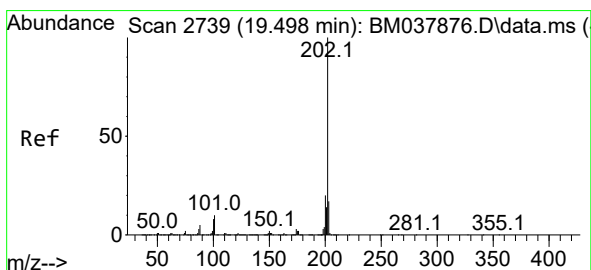
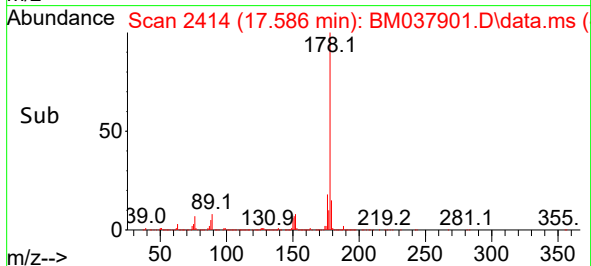
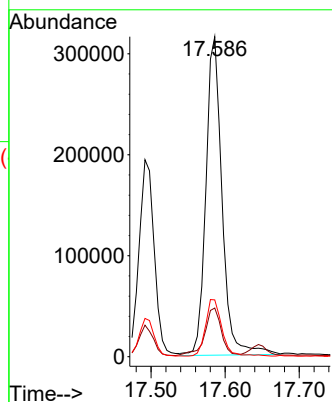
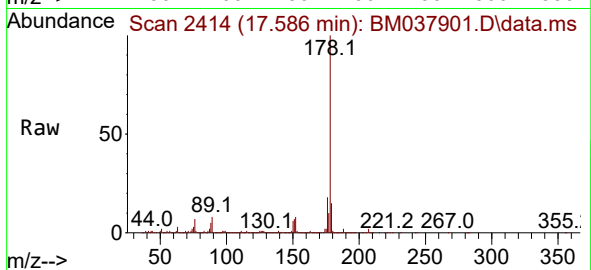
Tgt Ion:178 Resp: 480705

Ion Ratio Lower Upper

178 100

179 15.2 11.8 17.8

176 17.7 15.0 22.6



#80

Fluoranthene

Concen: 8.068 ng/ul

RT: 19.498 min Scan# 2739

Delta R.T. -0.006 min

Lab File: BM037901.D

Acq: 08 Dec 2022 23:57

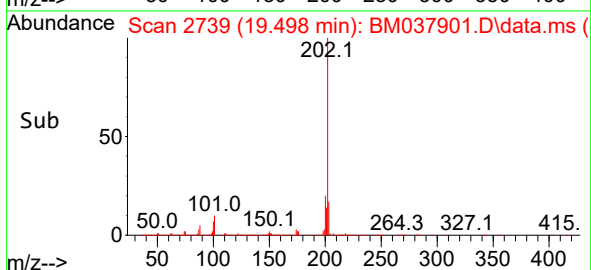
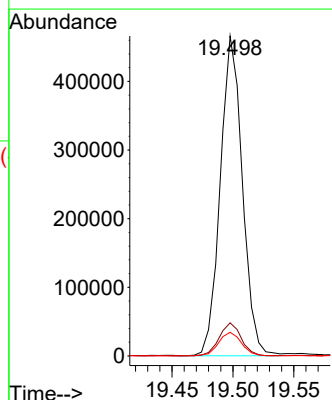
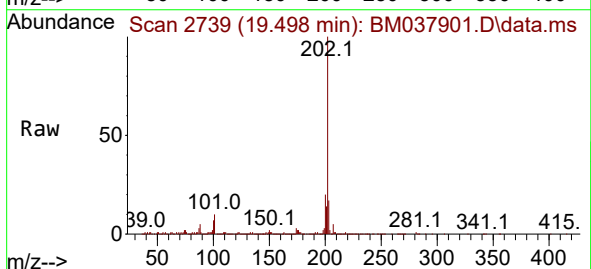
Tgt Ion:202 Resp: 589247

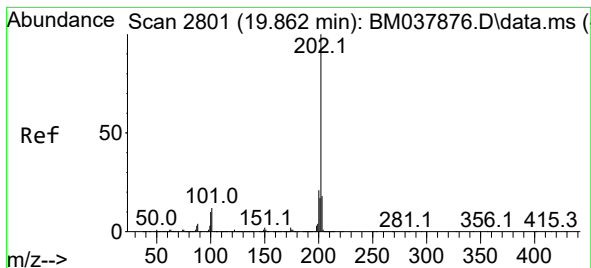
Ion Ratio Lower Upper

202 100

101 10.4 8.6 13.0

100 7.4 6.6 10.0





#82

Pyrene

Concen: 6.588 ng/ul

RT: 19.862 min Scan# 2801

Delta R.T. -0.006 min

Lab File: BM037901.D

Acq: 08 Dec 2022 23:57

Instrument :

BNA\_M

ClientSampleId :

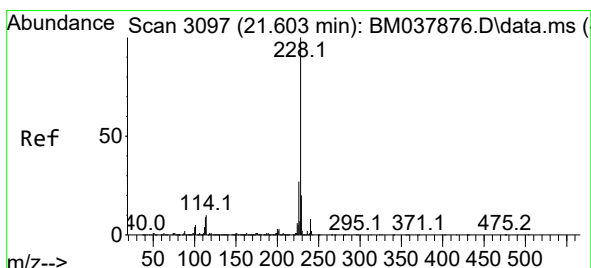
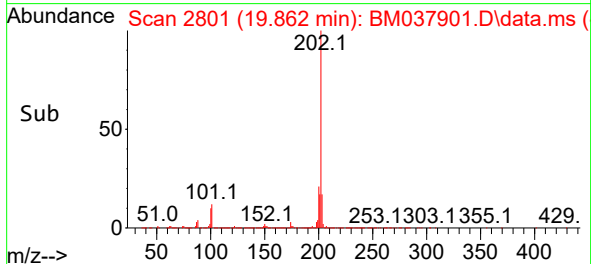
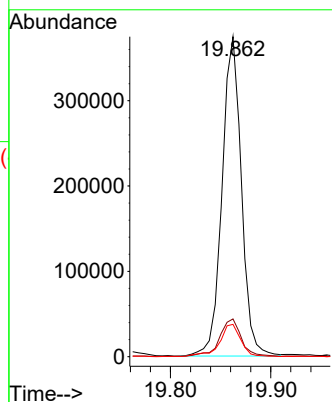
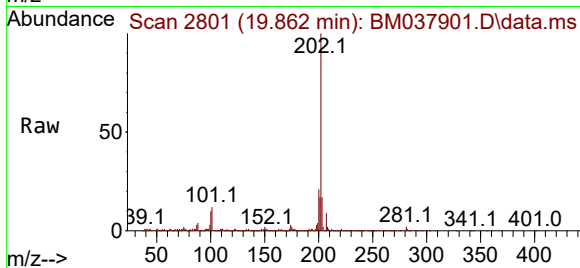
Tgt Ion:202 Resp: 500699

Ion Ratio Lower Upper

202 100

101 11.8 10.0 15.0

100 10.1 7.9 11.9



#85

Benzo(a)anthracene

Concen: 3.547 ng/ul

RT: 21.603 min Scan# 3097

Delta R.T. -0.006 min

Lab File: BM037901.D

Acq: 08 Dec 2022 23:57

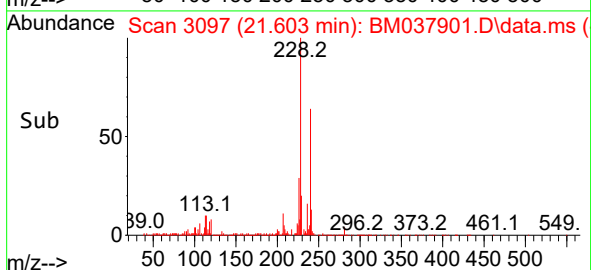
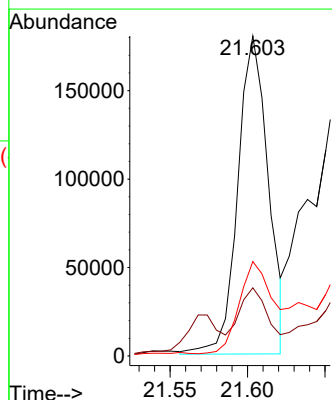
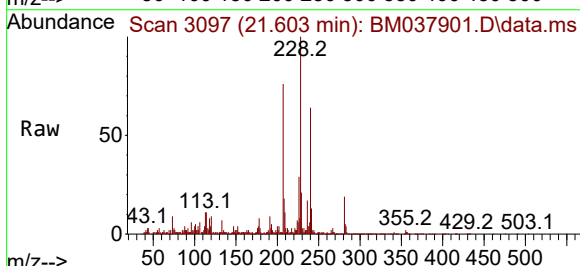
Tgt Ion:228 Resp: 246017

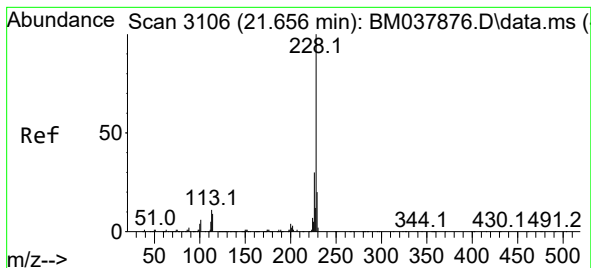
Ion Ratio Lower Upper

228 100

229 21.3 15.5 23.3

226 29.5 21.8 32.8





#87

Chrysene

Concen: 2.841 ng/ul

RT: 21.656 min Scan# 3106

Delta R.T. -0.006 min

Lab File: BM037901.D

Acq: 08 Dec 2022 23:57

Instrument :

BNA\_M

ClientSampleId :

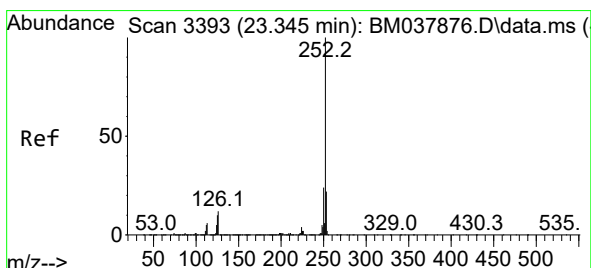
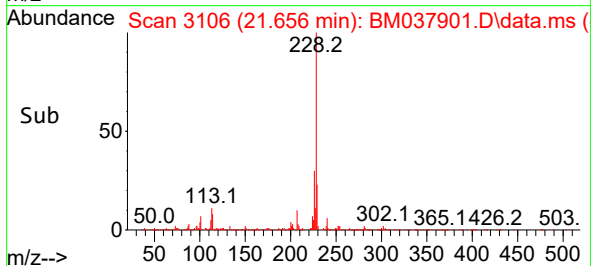
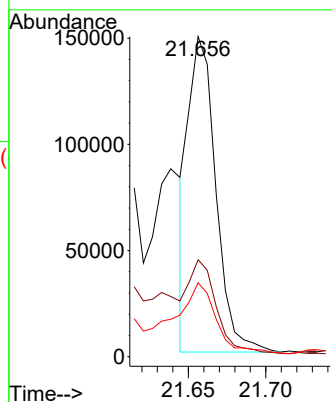
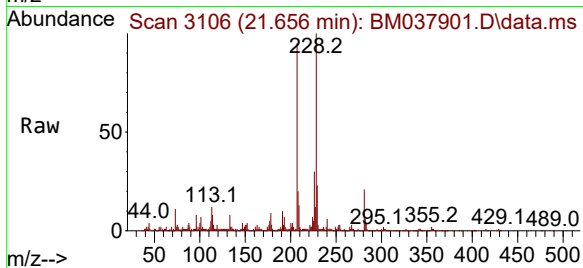
Tgt Ion:228 Resp: 184863

Ion Ratio Lower Upper

228 100

226 30.3 24.3 36.5

229 23.1 15.6 23.4



#90

Benzo(b)fluoranthene

Concen: 11.441 ng/ul

RT: 23.344 min Scan# 3393

Delta R.T. 0.000 min

Lab File: BM037901.D

Acq: 08 Dec 2022 23:57

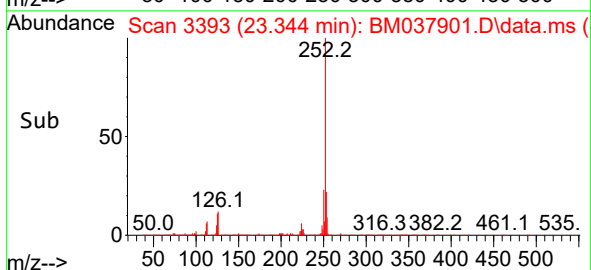
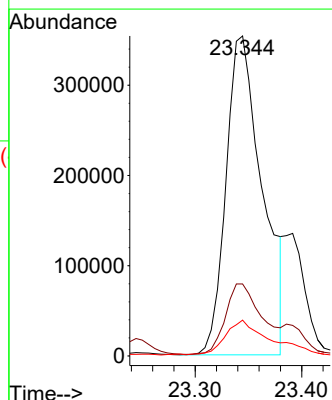
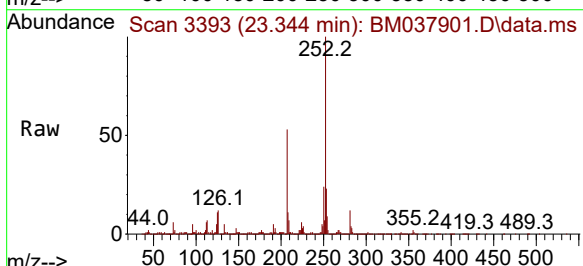
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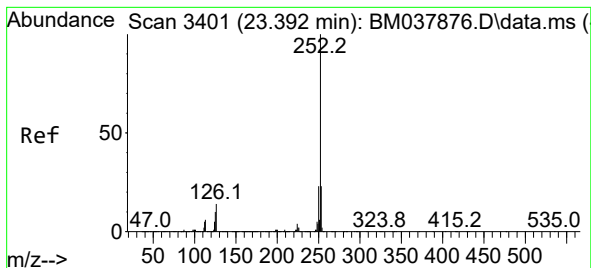
Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

125 11.2 8.0 12.0





#91

Benzo(k)fluoranthene

Concen: 11.806 ng/ul

RT: 23.344 min Scan# 31

Delta R.T. -0.053 min

Lab File: BM037901.D

Acq: 08 Dec 2022 23:57

Instrument :

BNA\_M

ClientSampleId :

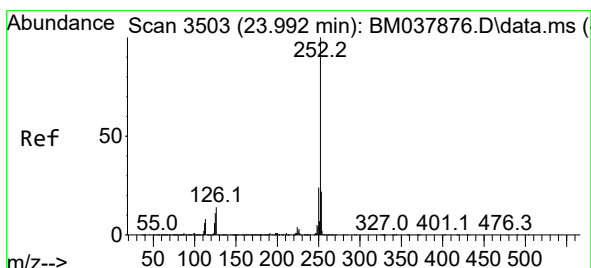
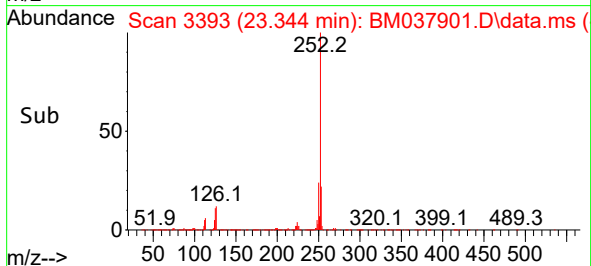
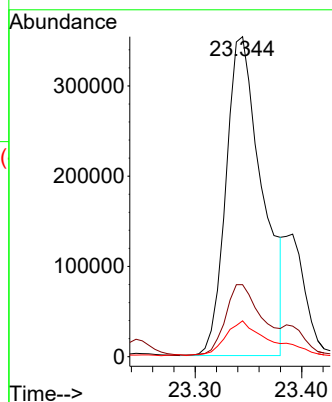
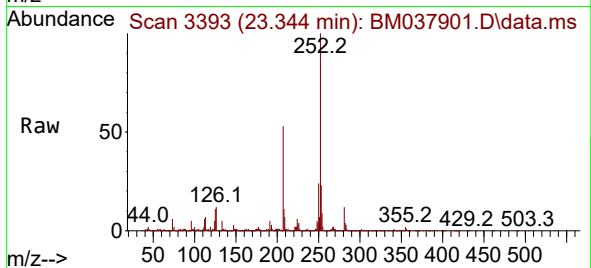
Tgt Ion:252 Resp: 838188

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

125 11.2 8.1 12.1



#93

Benzo(a)pyrene

Concen: 4.884 ng/ul

RT: 23.991 min Scan# 3503

Delta R.T. -0.006 min

Lab File: BM037901.D

Acq: 08 Dec 2022 23:57

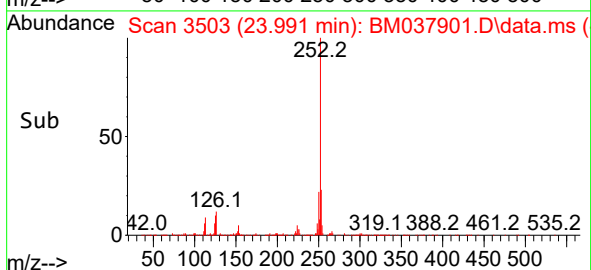
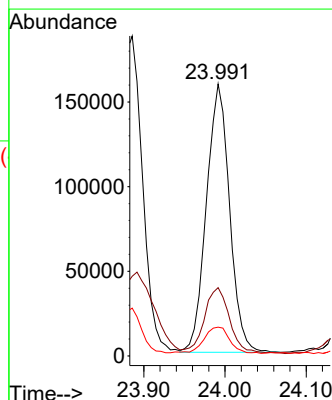
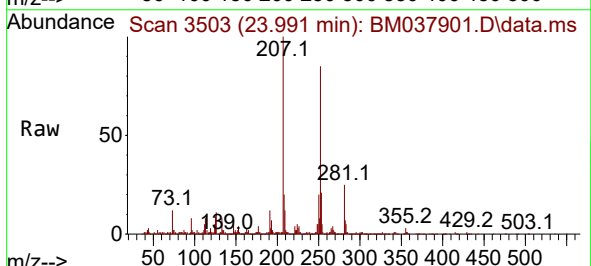
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Ion Ratio Lower Upper

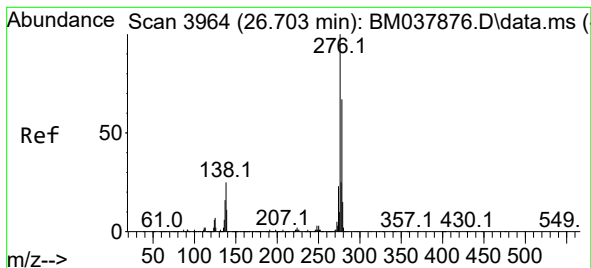
252 100

253 25.1 17.4 26.0

125 10.6 9.4 14.0







#94

Indeno(1,2,3-cd)pyrene

Concen: 5.522 ng/ul

RT: 26.691 min Scan# 3962

Delta R.T. -0.018 min

Lab File: BM037901.D

Acq: 08 Dec 2022 23:57

Instrument :

BNA\_M

ClientSampleId :

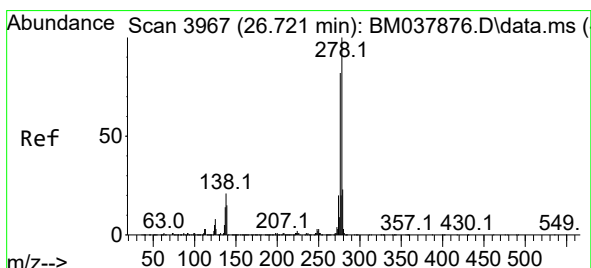
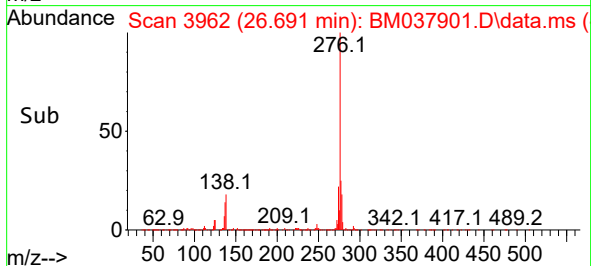
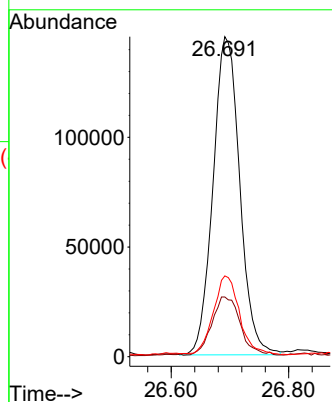
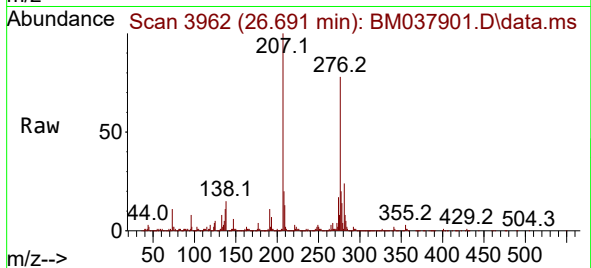
Tgt Ion:276 Resp: 458162

Ion Ratio Lower Upper

276 100

138 18.7 19.3 28.9#

277 25.2 19.8 29.8



#95

Dibenzo(a,h)anthracene

Concen: 1.530 ng/ul

RT: 26.703 min Scan# 3964

Delta R.T. -0.023 min

Lab File: BM037901.D

Acq: 08 Dec 2022 23:57

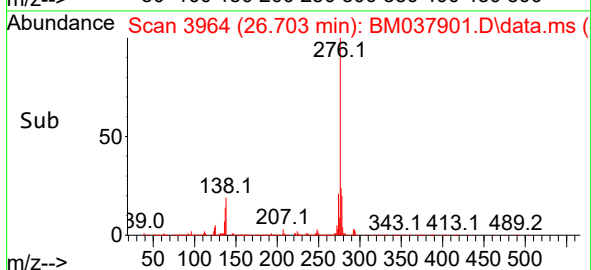
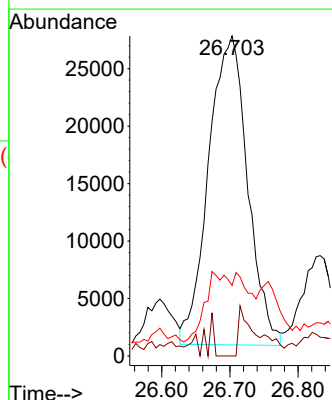
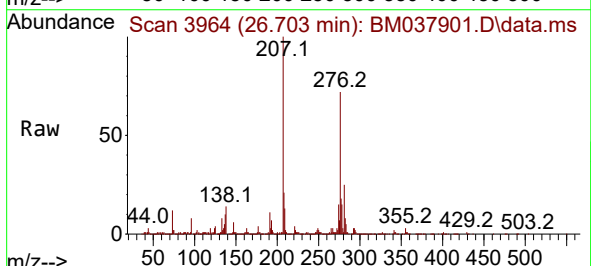
Tgt Ion:278 Resp: 107028

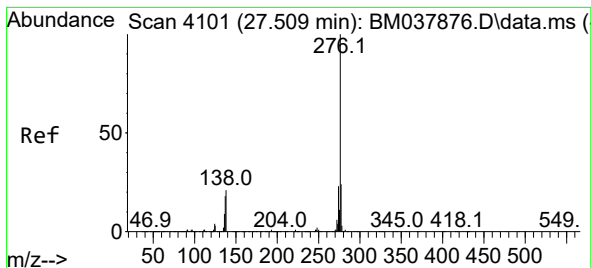
Ion Ratio Lower Upper

278 100

139 0.0 12.4 18.6#

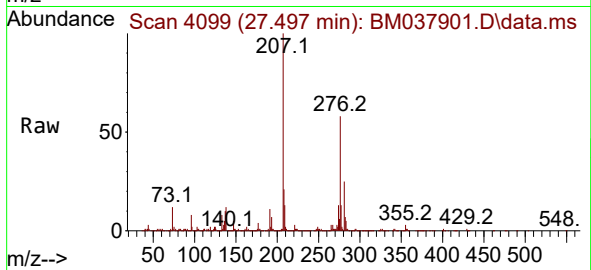
279 22.0 19.8 29.6





#96  
 Benzo(g,h,i)perylene  
 Concen: 5.493 ng/ul  
 RT: 27.497 min Scan# 4099  
 Delta R.T. -0.018 min  
 Lab File: BM037901.D  
 Acq: 08 Dec 2022 23:57

Instrument :  
 BNA\_M  
 ClientSampleId :



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 363873 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 21.1  | 17.1  | 25.7   |
| 277       | 22.8  | 18.2  | 27.4   |

