

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101322\  
 Data File : BM037065.D  
 Acq On : 14 Oct 2022 22:05  
 Operator : CG/JU  
 Sample : N5049-02  
 Misc :  
 ALS Vial : 61 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Oct 14 23:06:00 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM100622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 14 07:11:07 2022  
 Response via : Initial Calibration

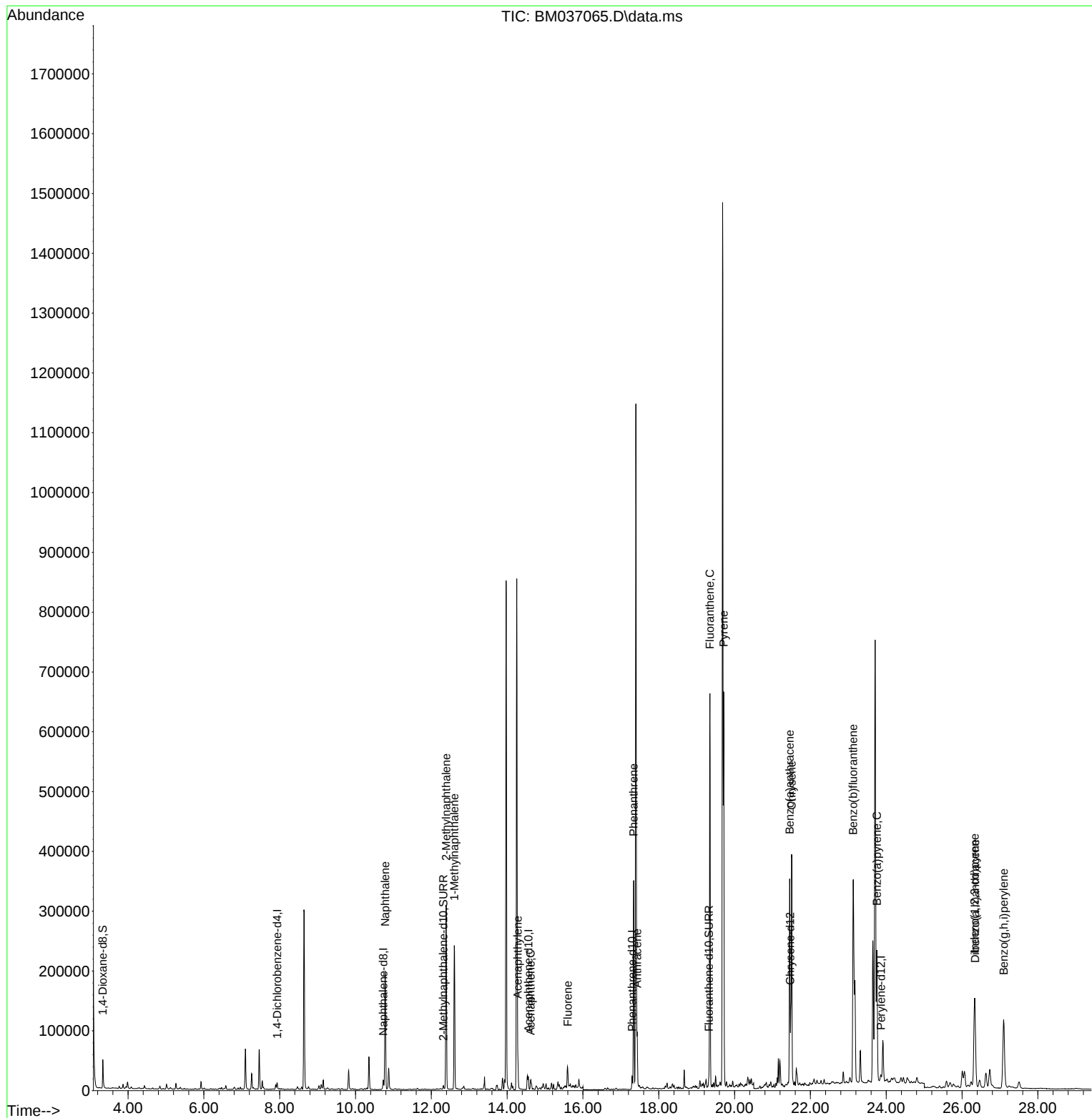
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.934  | 152  | 5580     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.732 | 136  | 20267    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.561 | 164  | 11911    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.296 | 188  | 23519    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.470 | 240  | 19722    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.859 | 264  | 15562    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.335  | 96   | 31229    | 3.969 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.316 | 152  | 8343     | 0.273 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.322 | 212  | 17316    | 0.294 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.781 | 128  | 264883   | 4.572 | ng/ul  | 96       |
| 7) 2-Methylnaphthalene      | 12.393 | 142  | 205916   | 5.810 | ng/ul  | 92       |
| 8) 1-Methylnaphthalene      | 12.607 | 142  | 162557   | 4.516 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.279 | 152  | 57083    | 1.153 | ng/ul# | 95       |
| 11) Acenaphthene            | 14.621 | 153  | 11314    | 0.263 | ng/ul  | 98       |
| 12) Fluorene                | 15.602 | 166  | 14044    | 0.288 | ng/ul# | 84       |
| 15) Phenanthrene            | 17.338 | 178  | 352244   | 4.691 | ng/ul  | 99       |
| 16) Anthracene              | 17.431 | 178  | 87067    | 1.388 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.349 | 202  | 526161   | 6.708 | ng/ul  | 99       |
| 20) Pyrene                  | 19.712 | 202  | 501174   | 6.127 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.453 | 228  | 290801   | 4.081 | ng/ul  | 98       |
| 22) Chrysene                | 21.506 | 228  | 390686   | 5.107 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.131 | 252  | 565628   | 8.136 | ng/ul  | 86       |
| 26) Benzo(a)pyrene          | 23.753 | 252  | 299694   | 5.313 | ng/ul# | 75       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.333 | 276  | 250640   | 3.137 | ng/ul# | 95       |
| 28) Dibenzo(a,h)anthracene  | 26.343 | 278  | 69737    | 1.080 | ng/ul# | 91       |
| 29) Benzo(g,h,i)perylene    | 27.097 | 276  | 242590   | 3.445 | ng/ul  | 96       |
| -----                       |        |      |          |       |        |          |

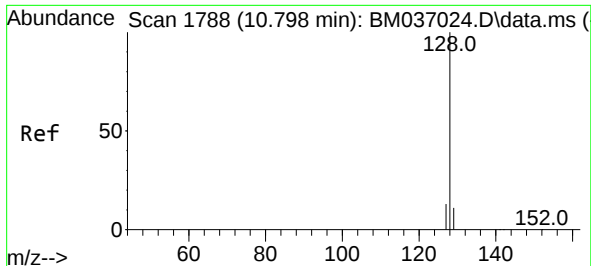
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 14 23:06:00 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM100622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 14 07:11:07 2022  
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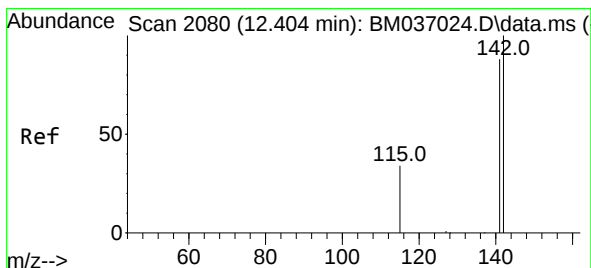
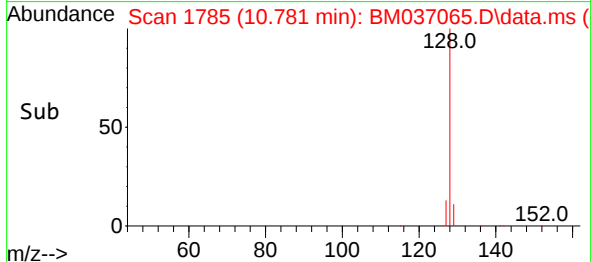
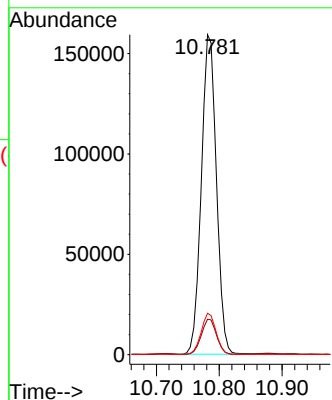
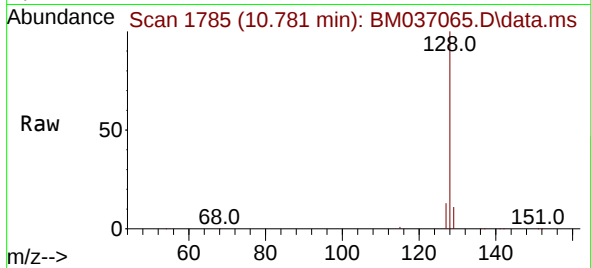




#5  
Naphthalene  
Concen: 4.572 ng/ul  
RT: 10.781 min Scan# 1785  
Delta R.T. -0.006 min  
Lab File: BM037065.D  
Acq: 14 Oct 2022 22:05

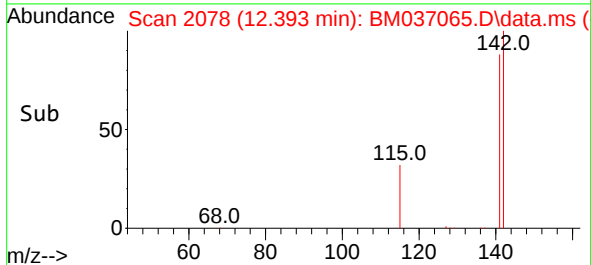
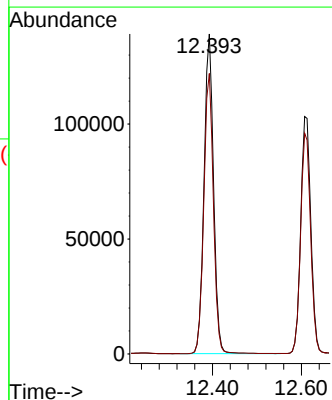
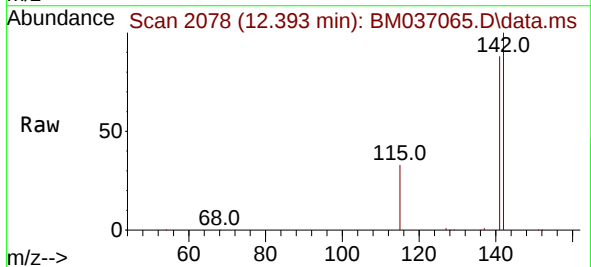
Instrument :  
BNA\_M  
ClientSampleId :

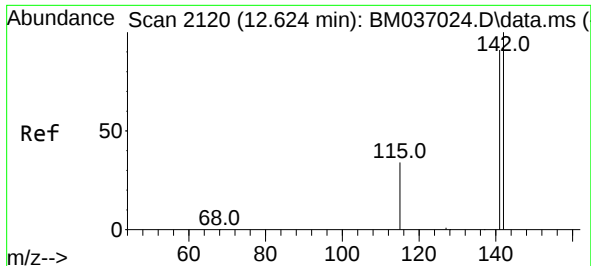
Tgt Ion:128 Resp: 264883  
Ion Ratio Lower Upper  
128 100  
129 11.1 10.2 15.2  
127 13.0 11.7 17.5



#7  
2-Methylnaphthalene  
Concen: 5.810 ng/ul  
RT: 12.393 min Scan# 2078  
Delta R.T. -0.005 min  
Lab File: BM037065.D  
Acq: 14 Oct 2022 22:05

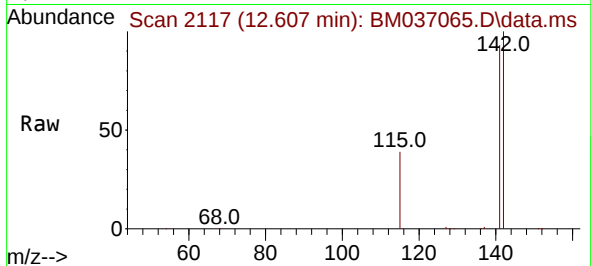
Tgt Ion:142 Resp: 205916  
Ion Ratio Lower Upper  
142 100  
141 88.7 77.4 116.0



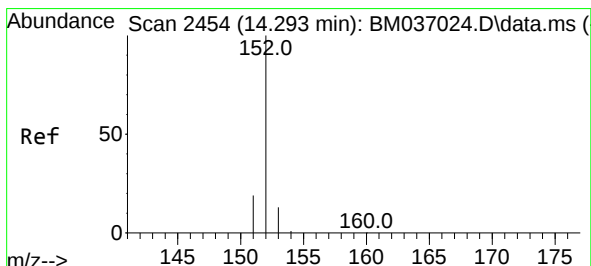
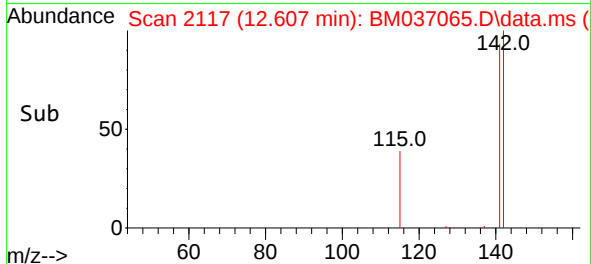
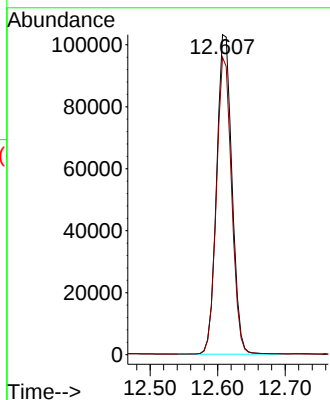


#8  
1-Methylnaphthalene  
Concen: 4.516 ng/ul  
RT: 12.607 min Scan# 2117  
Delta R.T. -0.011 min  
Lab File: BM037065.D  
Acq: 14 Oct 2022 22:05

Instrument :  
BNA\_M  
ClientSampleId :

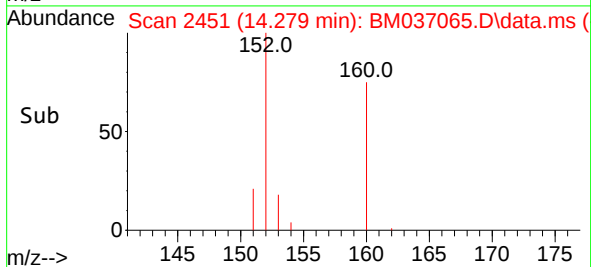
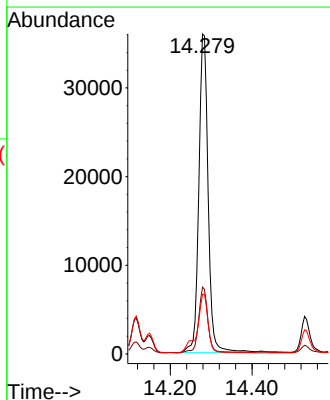
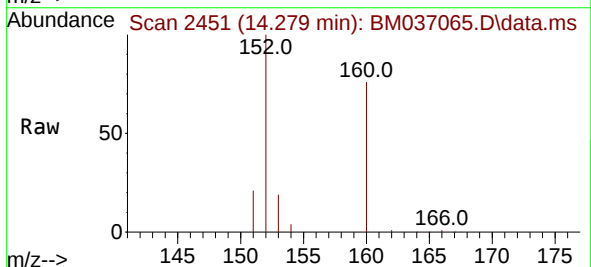


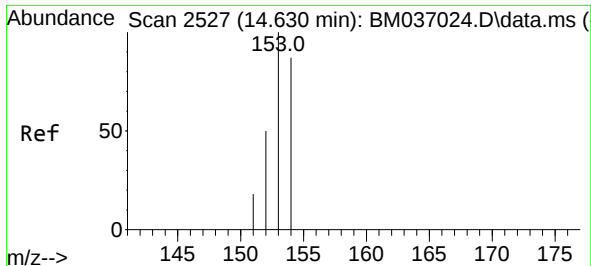
Tgt Ion:142 Resp: 162557  
Ion Ratio Lower Upper  
142 100  
141 92.0 74.1 111.1



#10  
Acenaphthylene  
Concen: 1.153 ng/ul  
RT: 14.279 min Scan# 2451  
Delta R.T. -0.006 min  
Lab File: BM037065.D  
Acq: 14 Oct 2022 22:05

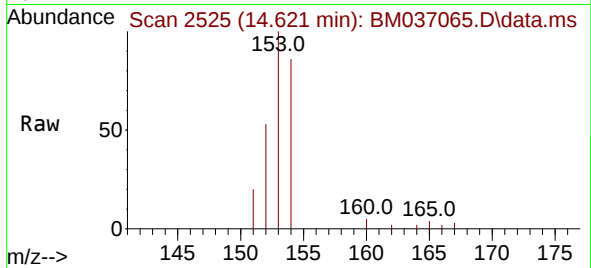
Tgt Ion:152 Resp: 57083  
Ion Ratio Lower Upper  
152 100  
151 20.9 16.6 24.8  
153 18.6 11.4 17.0#



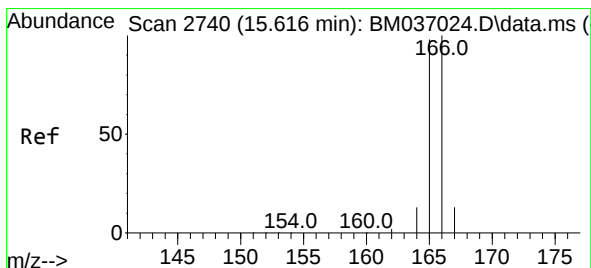
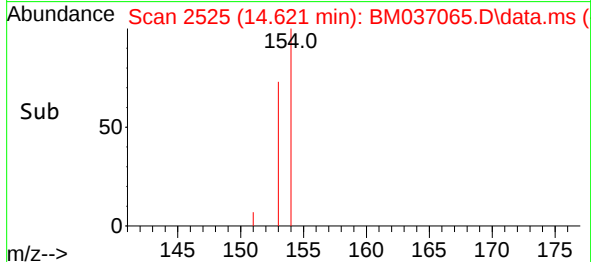
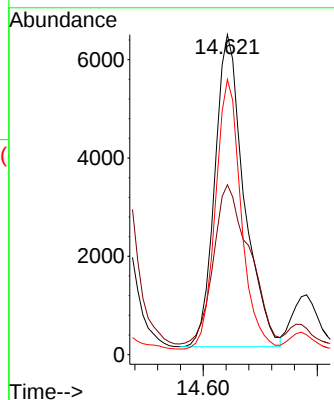


#11  
Acenaphthene  
Concen: 0.263 ng/ul  
RT: 14.621 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BM037065.D  
Acq: 14 Oct 2022 22:05

Instrument :  
BNA\_M  
ClientSampleId :

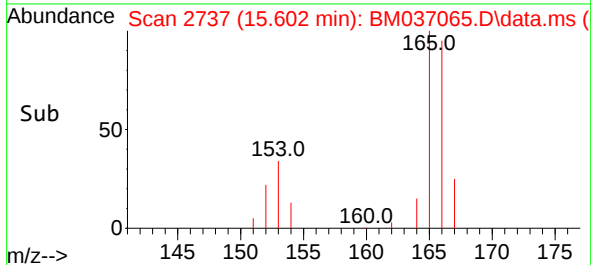
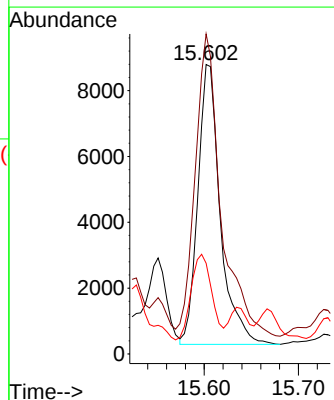
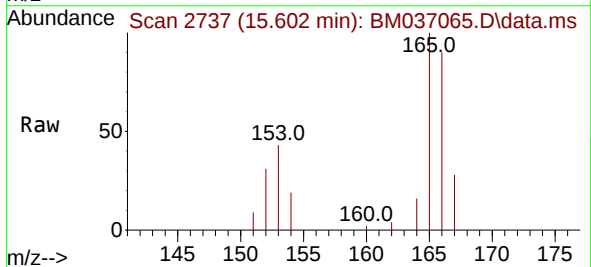


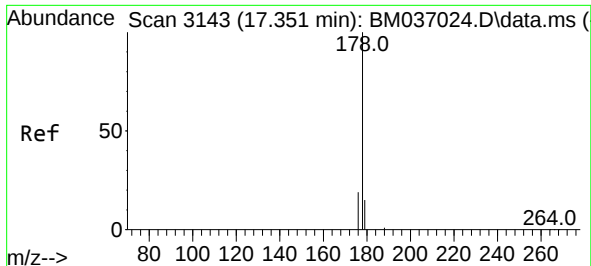
Tgt Ion:153 Resp: 11314  
Ion Ratio Lower Upper  
153 100  
152 53.1 40.2 60.4  
154 86.0 69.7 104.5



#12  
Fluorene  
Concen: 0.288 ng/ul  
RT: 15.602 min Scan# 2737  
Delta R.T. -0.005 min  
Lab File: BM037065.D  
Acq: 14 Oct 2022 22:05

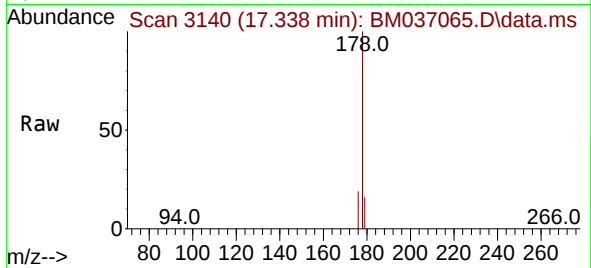
Tgt Ion:166 Resp: 14044  
Ion Ratio Lower Upper  
166 100  
165 110.6 78.9 118.3  
167 31.3 11.3 16.9#



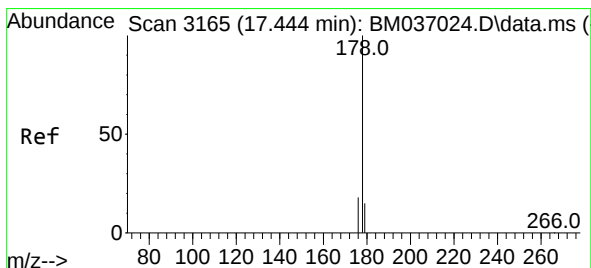
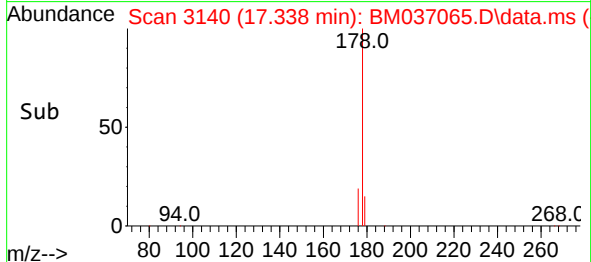
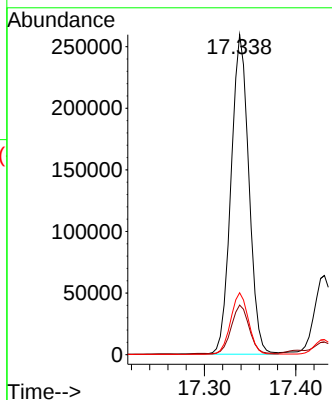


#15  
Phenanthrene  
Concen: 4.691 ng/ul  
RT: 17.338 min Scan# 3140  
Delta R.T. -0.005 min  
Lab File: BM037065.D  
Acq: 14 Oct 2022 22:05

Instrument :  
BNA\_M  
ClientSampleId :

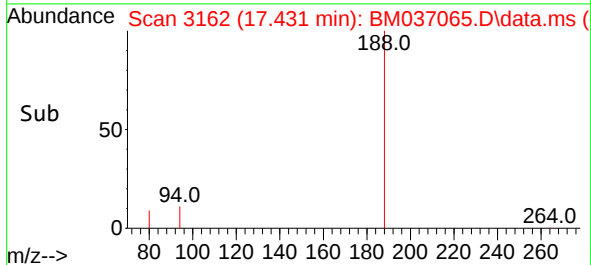
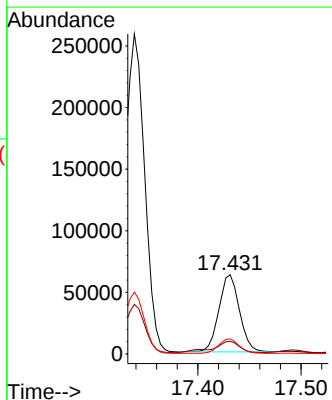
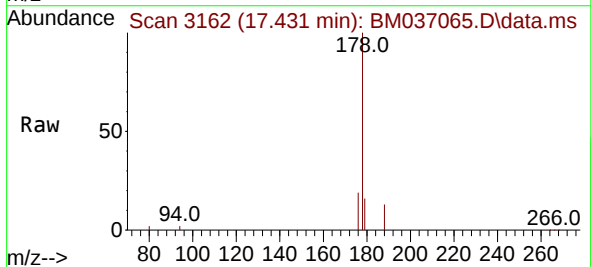


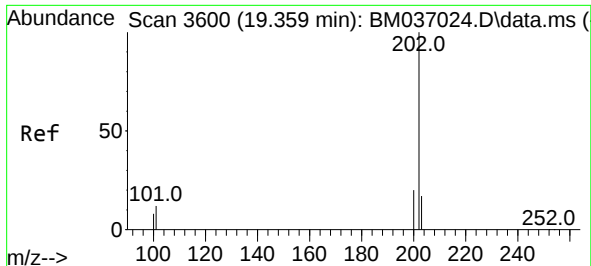
Tgt Ion:178 Resp: 352244  
Ion Ratio Lower Upper  
178 100  
179 15.5 13.0 19.6  
176 19.3 15.6 23.4



#16  
Anthracene  
Concen: 1.388 ng/ul  
RT: 17.431 min Scan# 3162  
Delta R.T. -0.005 min  
Lab File: BM037065.D  
Acq: 14 Oct 2022 22:05

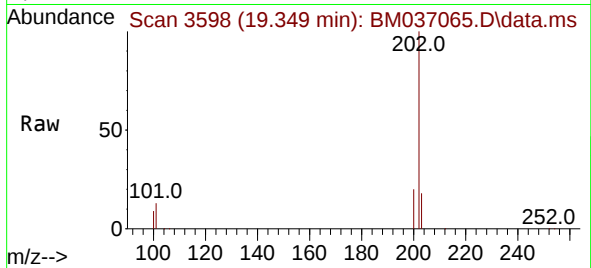
Tgt Ion:178 Resp: 87067  
Ion Ratio Lower Upper  
178 100  
179 16.0 13.6 20.4  
176 18.9 15.6 23.4



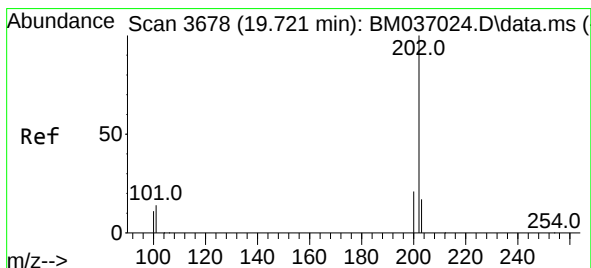
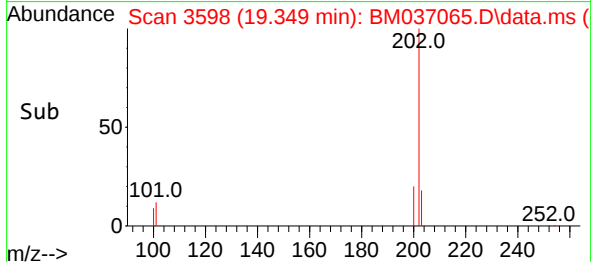
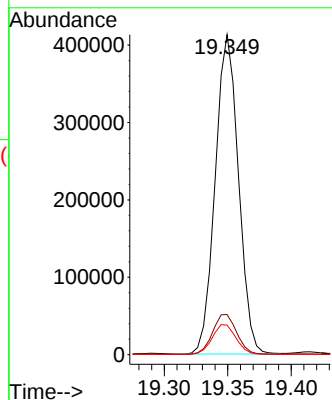


#19  
Fluoranthene  
Concen: 6.708 ng/u1  
RT: 19.349 min Scan# 3598  
Delta R.T. -0.006 min  
Lab File: BM037065.D  
Acq: 14 Oct 2022 22:05

Instrument :  
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ClientSampleId :

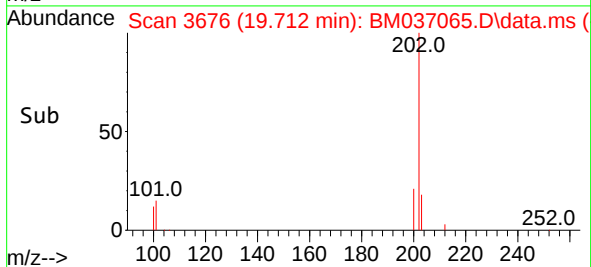
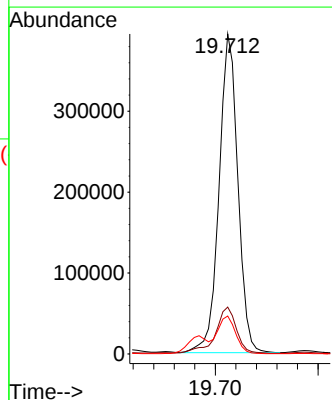
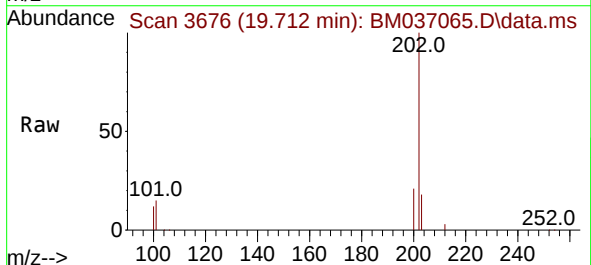


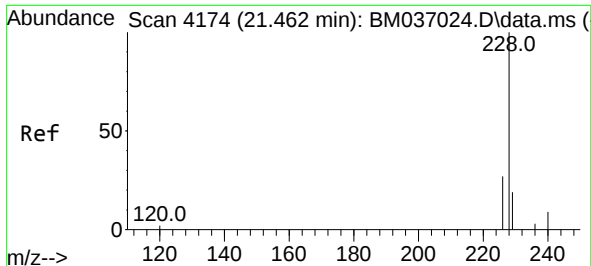
Tgt Ion:202 Resp: 526161  
Ion Ratio Lower Upper  
202 100  
101 12.5 10.1 15.1  
100 9.2 7.9 11.9



#20  
Pyrene  
Concen: 6.127 ng/u1  
RT: 19.712 min Scan# 3676  
Delta R.T. -0.006 min  
Lab File: BM037065.D  
Acq: 14 Oct 2022 22:05

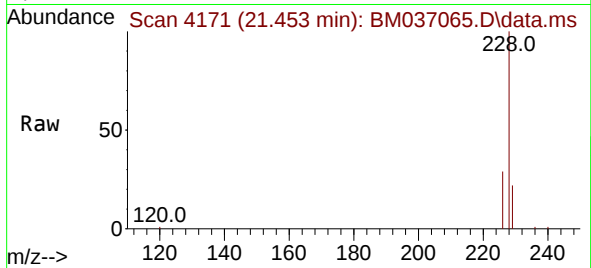
Tgt Ion:202 Resp: 501174  
Ion Ratio Lower Upper  
202 100  
101 14.6 12.0 18.0  
100 11.8 9.8 14.6



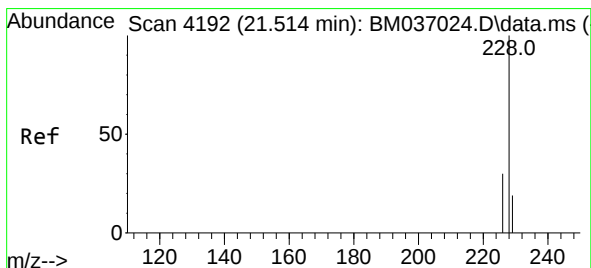
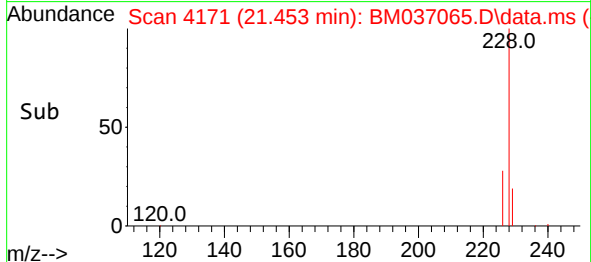
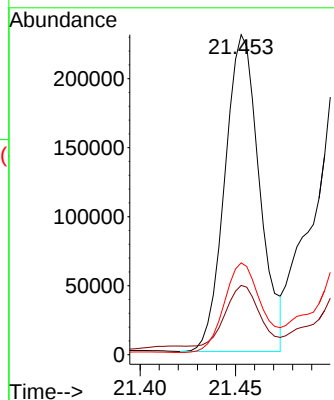


#21  
Benzo(a)anthracene  
Concen: 4.081 ng/ul  
RT: 21.453 min Scan# 4171  
Delta R.T. -0.005 min  
Lab File: BM037065.D  
Acq: 14 Oct 2022 22:05

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ClientSampleId :

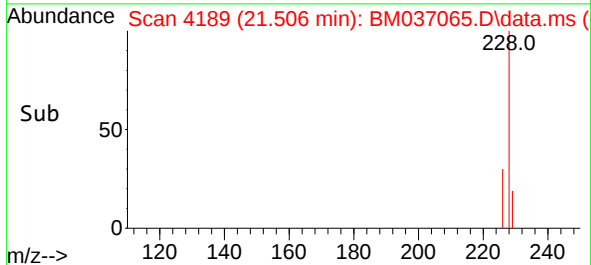
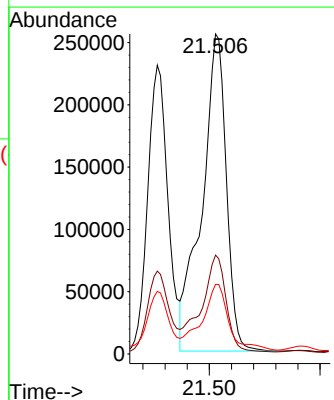
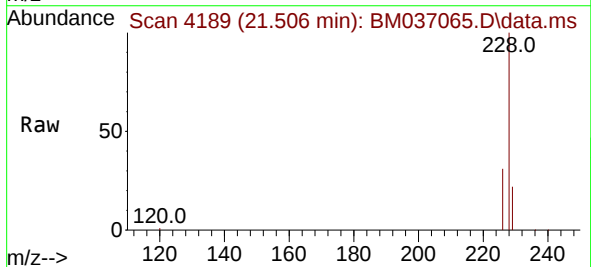


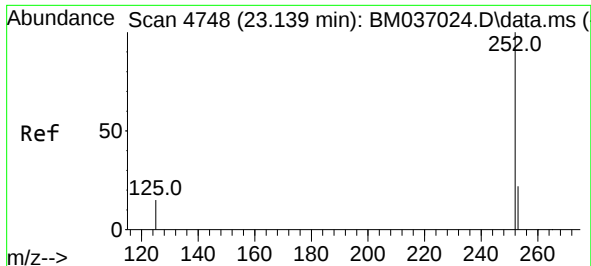
Tgt Ion:228 Resp: 290801  
Ion Ratio Lower Upper  
228 100  
229 21.7 16.2 24.2  
226 28.7 22.5 33.7



#22  
Chrysene  
Concen: 5.107 ng/ul  
RT: 21.506 min Scan# 4189  
Delta R.T. -0.005 min  
Lab File: BM037065.D  
Acq: 14 Oct 2022 22:05

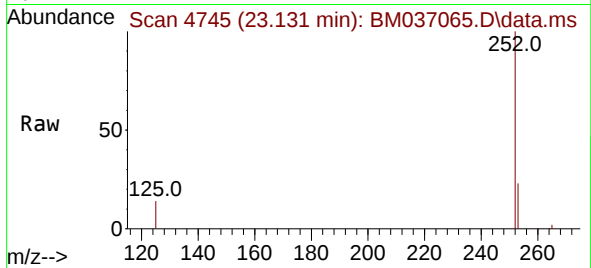
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Ion Ratio Lower Upper  
228 100  
226 30.9 24.6 37.0  
229 21.7 16.4 24.6



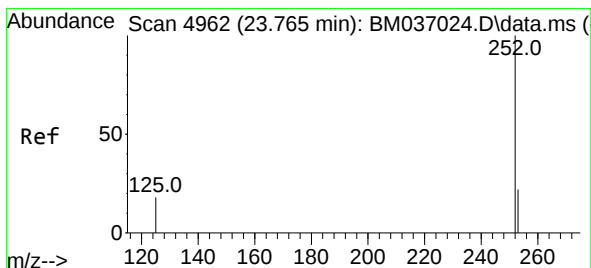
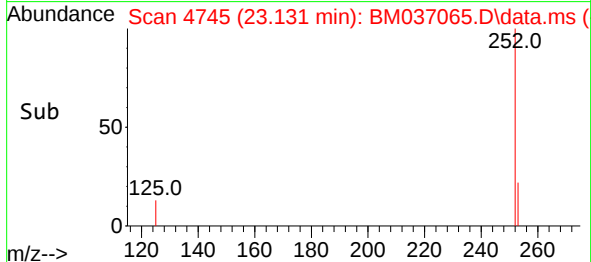
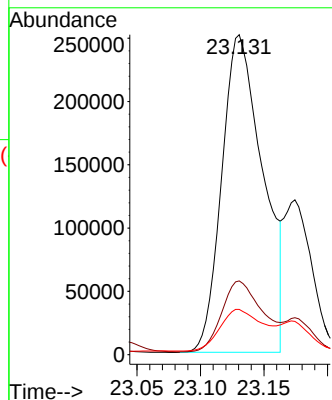


#24  
Benzo(b)fluoranthene  
Concen: 8.136 ng/ul  
RT: 23.131 min Scan# 41  
Delta R.T. -0.005 min  
Lab File: BM037065.D  
Acq: 14 Oct 2022 22:05

Instrument :  
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ClientSampleId :

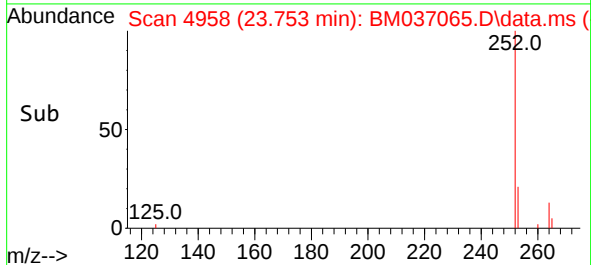
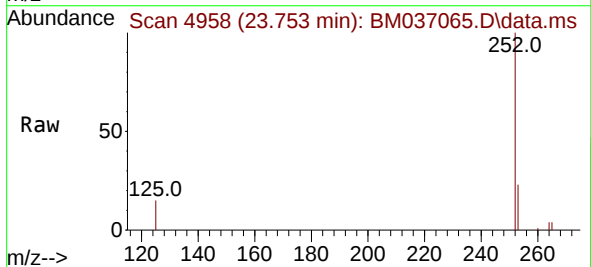
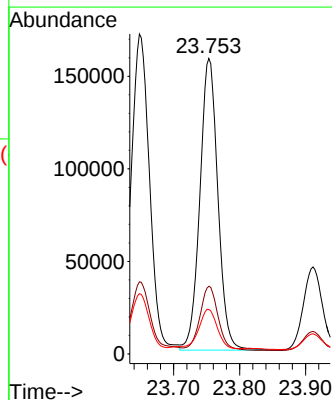


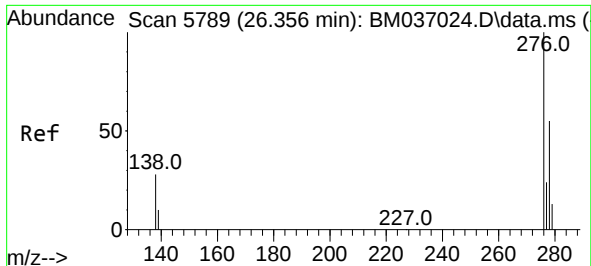
Tgt Ion:252 Resp: 565628  
Ion Ratio Lower Upper  
252 100  
253 23.1 0.0 61.4  
125 14.1 0.0 42.6



#26  
Benzo(a)pyrene  
Concen: 5.313 ng/ul  
RT: 23.753 min Scan# 4958  
Delta R.T. -0.005 min  
Lab File: BM037065.D  
Acq: 14 Oct 2022 22:05

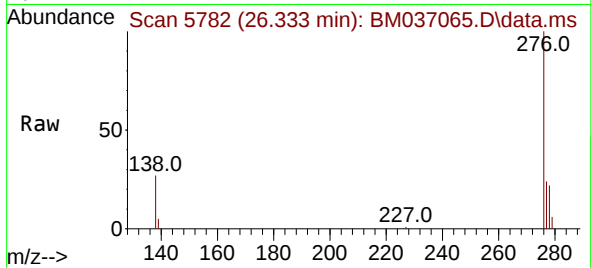
Tgt Ion:252 Resp: 299694  
Ion Ratio Lower Upper  
252 100  
253 22.9 29.7 44.5#  
125 15.1 23.6 35.4#



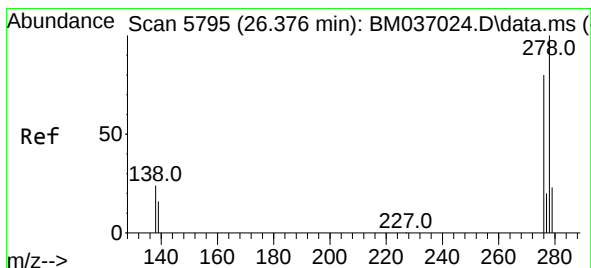
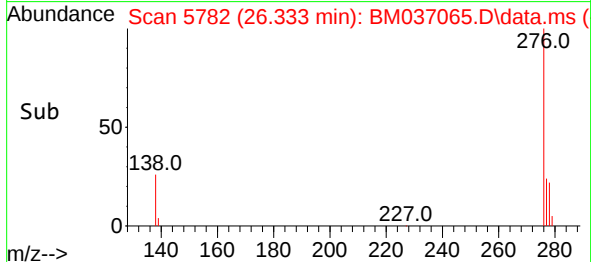
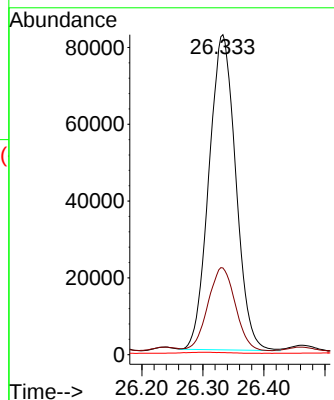


#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.137 ng/ul  
 RT: 26.333 min Scan# 5782  
 Delta R.T. -0.009 min  
 Lab File: BM037065.D  
 Acq: 14 Oct 2022 22:05

Instrument :  
 BNA\_M  
 ClientSampleId :

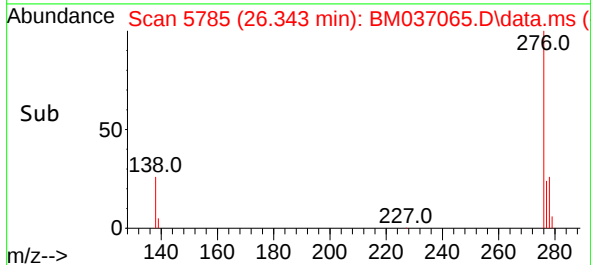
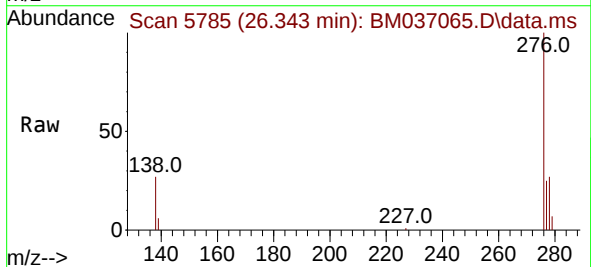
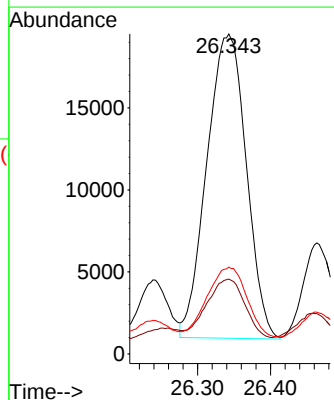


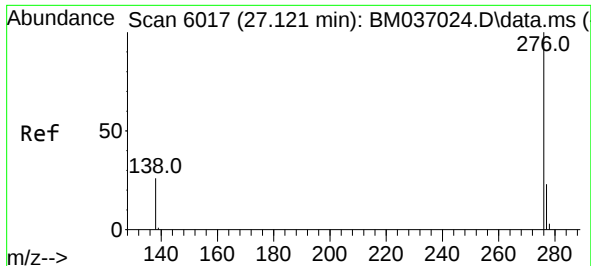
Tgt Ion:276 Resp: 250640  
 Ion Ratio Lower Upper  
 276 100  
 138 27.0 23.9 35.9  
 227 0.0 0.1 0.1#



#28  
 Dibenzo(a,h)anthracene  
 Concen: 1.080 ng/ul  
 RT: 26.343 min Scan# 5785  
 Delta R.T. -0.019 min  
 Lab File: BM037065.D  
 Acq: 14 Oct 2022 22:05

Tgt Ion:278 Resp: 69737  
 Ion Ratio Lower Upper  
 278 100  
 139 23.4 19.8 29.6  
 279 27.2 27.7 41.5#





#29

Benzo(g,h,i)perylene

Concen: 3.445 ng/ul

RT: 27.097 min Scan# 6010

Delta R.T. -0.009 min

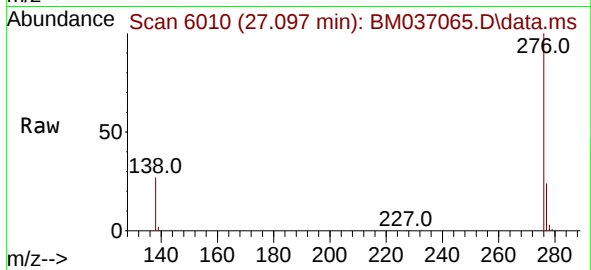
Lab File: BM037065.D

Acq: 14 Oct 2022 22:05

Instrument :

BNA\_M

ClientSampleId :



Tgt Ion:276 Resp: 242590

Ion Ratio Lower Upper

276 100

138 27.4 23.4 35.0

277 23.8 21.0 31.4

