

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120222\  
 Data File : BM037823.D  
 Acq On : 02 Dec 2022 11:30  
 Operator : CG/JU  
 Sample : N5738-10  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GBNH9

Quant Time: Dec 02 21:46:55 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 02 01:14:59 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| -----                         |        |      |          |          |        |          |
| Internal Standards            |        |      |          |          |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.098  | 152  | 239813   | 20.000   | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.922 | 136  | 1100915  | 20.000   | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.733 | 164  | 635965   | 20.000   | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.515 | 188  | 580212   | 20.000   | ng/ul  | # 0.05   |
| 79) Chrysene-d12              | 21.703 | 240  | 3575     | 20.000   | ng/ul  | # 0.07   |
| 88) Perylene-d12              | 24.144 | 264  | 713164   | 20.000   | ng/ul  | 0.02     |
| System Monitoring Compounds   |        |      |          |          |        |          |
| 3) 1,4-Dioxane-d8             | 3.428  | 96   | 12594    | 2.464    | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.969  | 84   | 12541    | 0.759    | ng/ul  | 0.10     |
| 7) Phenol-d5                  | 7.251  | 99   | 368811   | 17.070   | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.416  | 67   | 212825   | 16.884   | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.622  | 132  | 306021   | 18.733   | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.804  | 113  | 289158   | 16.829   | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.269  | 128  | 157918   | 18.058   | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.992  | 143  | 172083   | 19.016   | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.533 | 165  | 315640   | 18.808   | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.069 | 131  | 28763    | 1.117    | ng/ul  | 0.02     |
| 46) Dimethylphthalate-d6      | 14.133 | 166  | 915920   | 20.973   | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.427 | 160  | 1076815  | 20.275   | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.927 | 143  | 168248   | 18.561   | ng/ul  | 0.02     |
| 60) Fluorene-d10              | 15.727 | 176  | 646546   | 16.319   | ng/ul  | 0.02     |
| 65) 4,6-Dinitro-2-methylph... | 15.851 | 200  | 61941    | 20.266   | ng/ul  | 0.03     |
| 73) Anthracene-d10            | 17.609 | 188  | 527555   | 19.771   | ng/ul  | 0.05     |
| 81) Pyrene-d10                | 19.886 | 212  | 604781   | 3265.888 | ng/ul  | 0.04     |
| 92) Benzo(a)pyrene-d12        | 23.980 | 264  | 716118   | 20.044   | ng/ul  | 0.02     |
| Target Compounds              |        |      |          |          |        |          |
|                               |        |      |          |          | Qvalue |          |
| 16) Acetophenone              | 8.928  | 105  | 114147   | 4.212    | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.280 | 165  | 31266    | 3.367    | ng/ul# | 55       |
| 50) Acenaphthylene            | 14.457 | 152  | 80895    | 1.374    | ng/ul# | 4        |
| 51) 3-Nitroaniline            | 14.645 | 138  | 16402    | 1.480    | ng/ul# | 42       |
| 52) Acenaphthene              | 14.792 | 153  | 132587   | 3.249    | ng/ul# | 79       |
| 55) 4-Nitrophenol             | 14.915 | 109  | 553395   | 99.047   | ng/ul# | 1        |
| 56) Dibenzofuran              | 15.127 | 168  | 65789    | 1.198    | ng/ul# | 1        |
| 58) 2,3,4,6-Tetrachlorophenol | 15.362 | 232  | 736687   | 66.136   | ng/ul# | 68       |
| 67) N-Nitrosodiphenylamine    | 16.004 | 169  | 970669   | 58.053   | ng/ul# | 42       |
| 71) Pentachlorophenol         | 17.227 | 266  | 16792319 | 3926.771 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.556 | 178  | 276145   | 8.782    | ng/ul# | 61       |
| 74) Anthracene                | 17.645 | 178  | 165781   | 5.168    | ng/ul# | 43       |
| 76) Pentachlorobenzene        | 15.057 | 250  | 18302    | 2.150    | ng/uL  | 85       |
| 80) Fluoranthene              | 19.556 | 202  | 580423   | 2566.066 | ng/ul  | 96       |
| 82) Pyrene                    | 19.915 | 202  | 2130246  | 9121.191 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.774 | 149  | 534336   | 5247.379 | ng/ul  | 89       |
| 84) 3,3'-Dichlorobenzidine    | 21.633 | 252  | 6967     | 93.026   | ng/ul# | 14       |
| 85) Benzo(a)anthracene        | 21.691 | 228  | 253485   | 1108.224 | ng/ul# | 84       |
| 86) Bis(2-ethylhexyl)phtha... | 21.533 | 149  | 496943   | 3229.691 | ng/ul  | 95       |
| 87) Chrysene                  | 21.768 | 228  | 8627     | 40.519   | ng/ul# | 1        |
| 90) Benzo(b)fluoranthene      | 23.374 | 252  | 200201   | 4.371    | ng/ul# | 30       |
| 93) Benzo(a)pyrene            | 24.027 | 252  | 64587    | 1.626    | ng/ul# | 1        |
| 94) Indeno(1,2,3-cd)pyrene    | 26.762 | 276  | 61270    | 1.372    | ng/ul# | 68       |
| 96) Benzo(g,h,i)perylene      | 27.556 | 276  | 78024    | 2.002    | ng/ul# | 68       |

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Sample : N5738-10  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GBNH9

Quant Time: Dec 02 21:46:55 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120122.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Dec 02 01:14:59 2022  
Response via : Initial Calibration

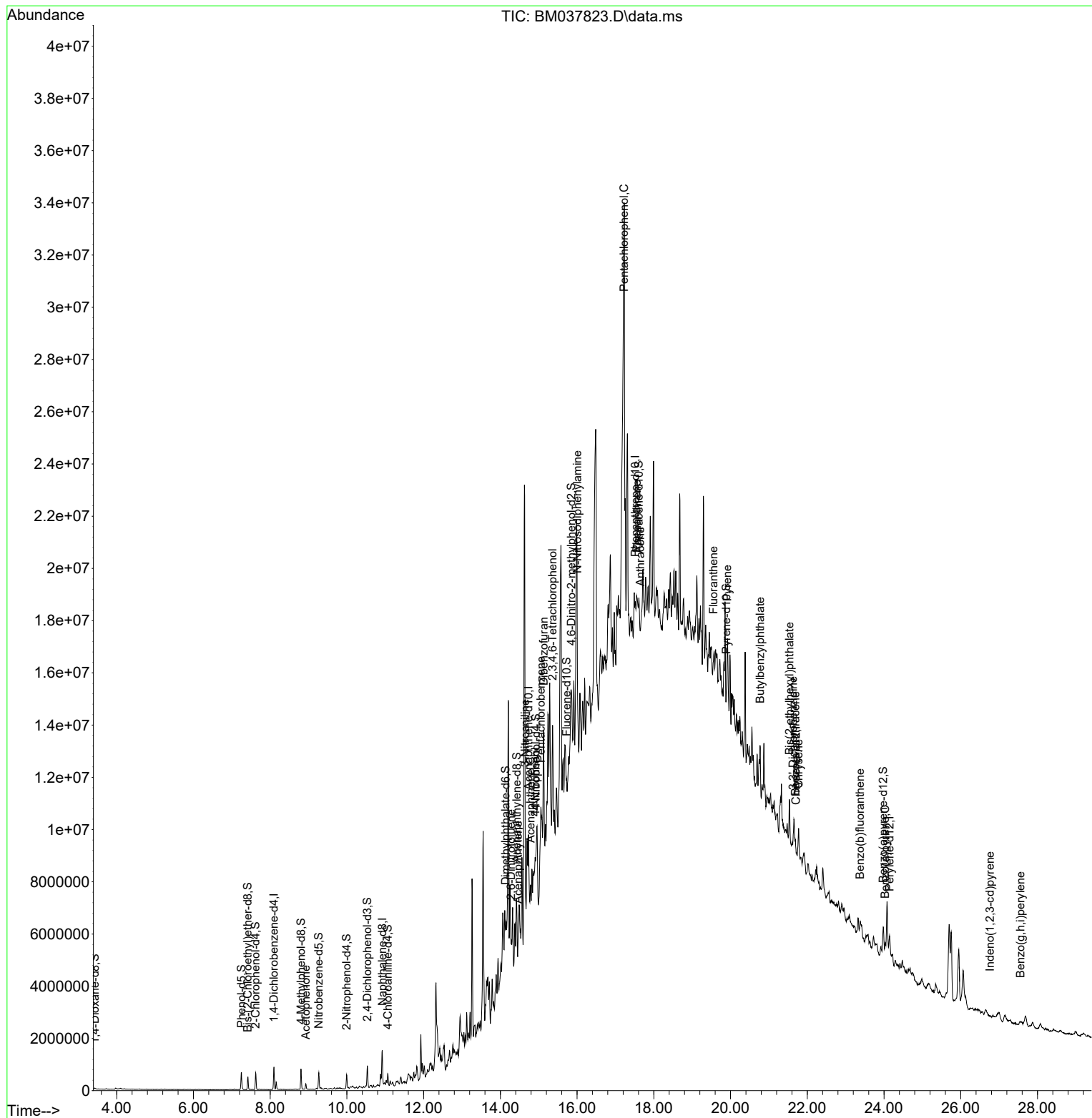
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
| -----    |      |      |          |      |       |          |
| -----    |      |      |          |      |       |          |

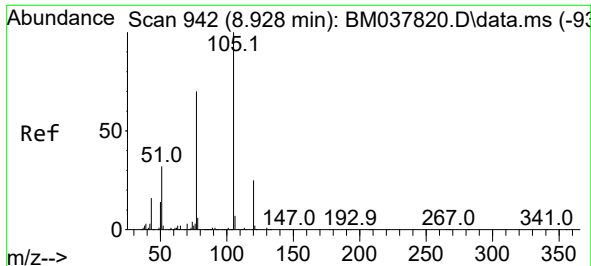
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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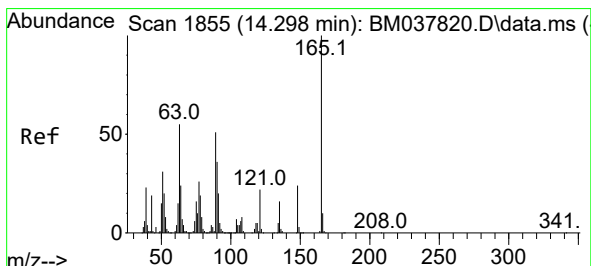
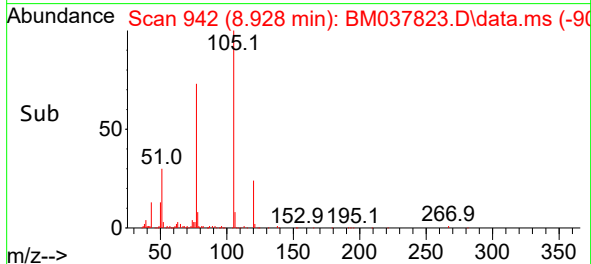
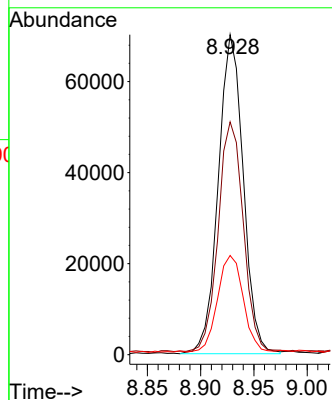
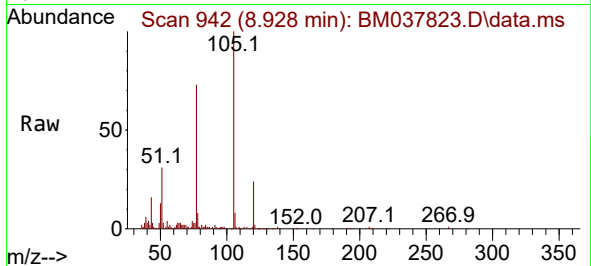




#16  
Acetophenone  
Concen: 4.212 ng/ul  
RT: 8.928 min Scan# 942  
Delta R.T. -0.001 min  
Lab File: BM037823.D  
Acq: 02 Dec 2022 11:30

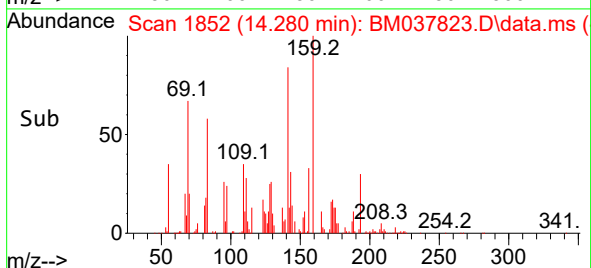
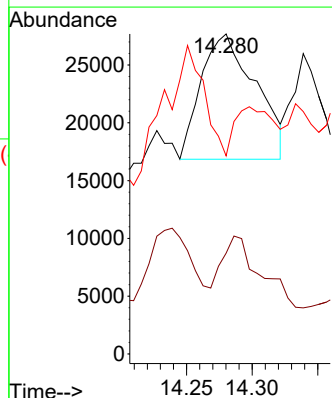
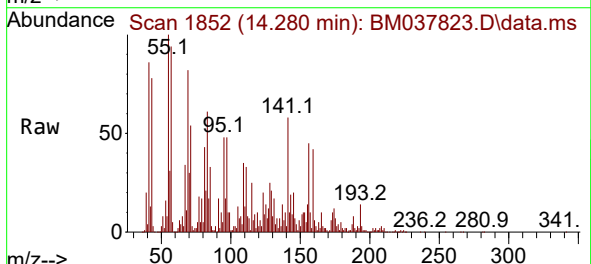
Instrument :  
BNA\_M  
ClientSampleId :  
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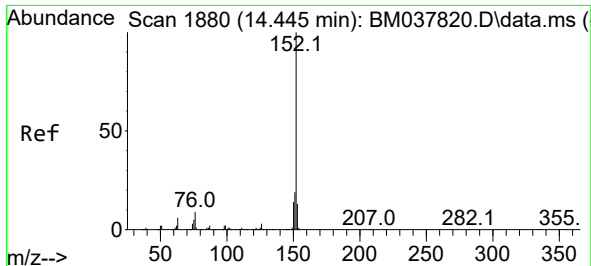
Tgt Ion:105 Resp: 114147  
Ion Ratio Lower Upper  
105 100  
77 72.8 59.0 88.4  
51 31.0 24.4 36.6



#48  
2,6-Dinitrotoluene  
Concen: 3.367 ng/ul  
RT: 14.280 min Scan# 1852  
Delta R.T. -0.018 min  
Lab File: BM037823.D  
Acq: 02 Dec 2022 11:30

Tgt Ion:165 Resp: 31266  
Ion Ratio Lower Upper  
165 100  
89 31.5 40.6 60.8#  
121 61.9 16.4 24.6#

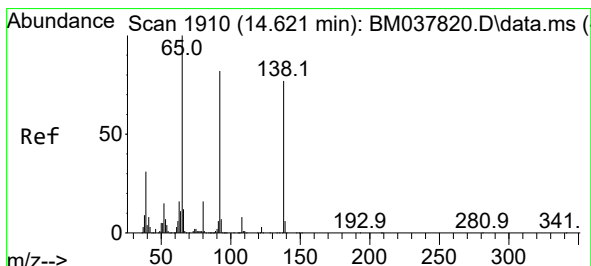
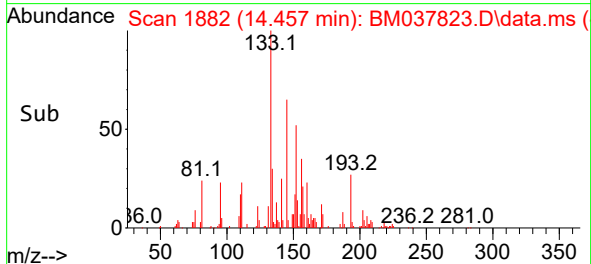
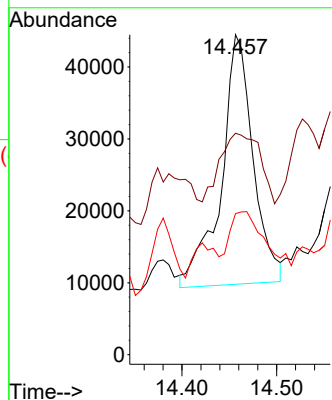
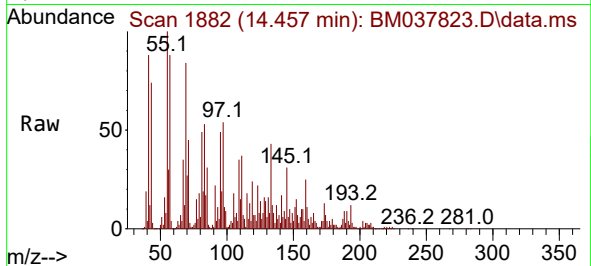




#50  
Acenaphthylene  
Concen: 1.374 ng/ul  
RT: 14.457 min Scan# 1882  
Delta R.T. 0.005 min  
Lab File: BM037823.D  
Acq: 02 Dec 2022 11:30

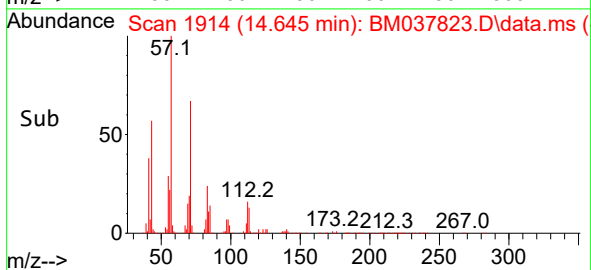
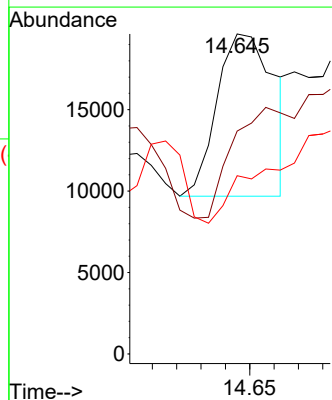
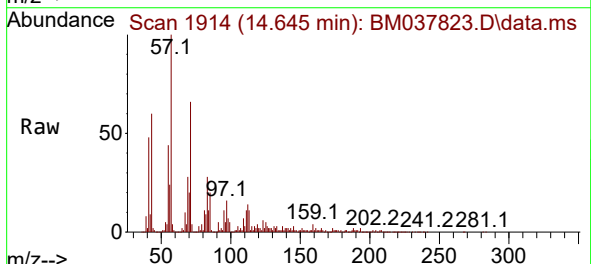
Instrument :  
BNA\_M  
ClientSampleId :  
GBNH9

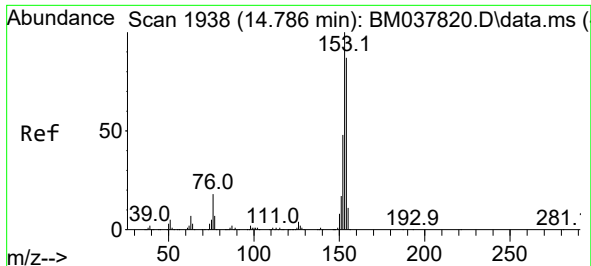
Tgt Ion:152 Resp: 80895  
Ion Ratio Lower Upper  
152 100  
151 69.2 15.8 23.6#  
153 44.1 10.6 15.8#



#51  
3-Nitroaniline  
Concen: 1.480 ng/ul  
RT: 14.645 min Scan# 1914  
Delta R.T. 0.017 min  
Lab File: BM037823.D  
Acq: 02 Dec 2022 11:30

Tgt Ion:138 Resp: 16402  
Ion Ratio Lower Upper  
138 100  
108 69.6 7.8 11.8#  
92 55.7 83.8 125.6#

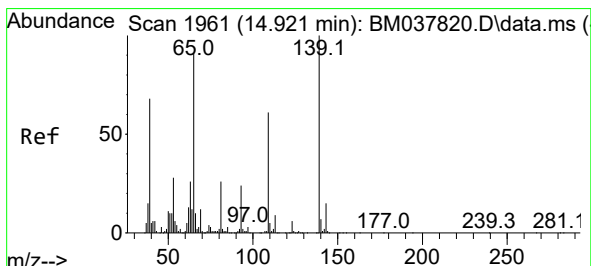
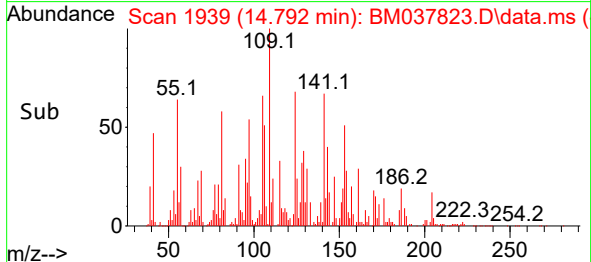
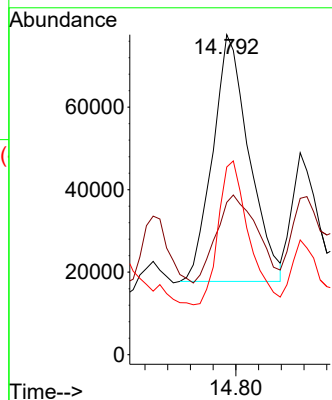
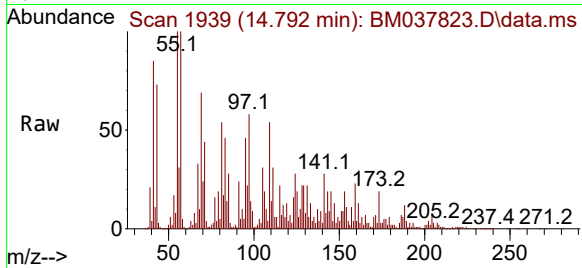




#52  
Acenaphthene  
Concen: 3.249 ng/ul  
RT: 14.792 min Scan# 1939  
Delta R.T. -0.001 min  
Lab File: BM037823.D  
Acq: 02 Dec 2022 11:30

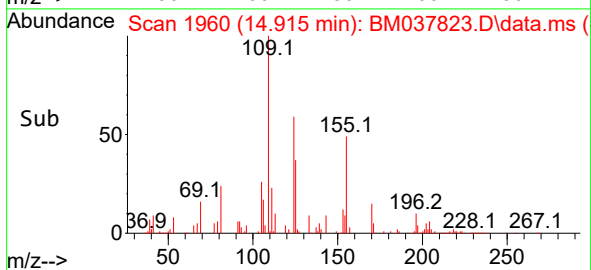
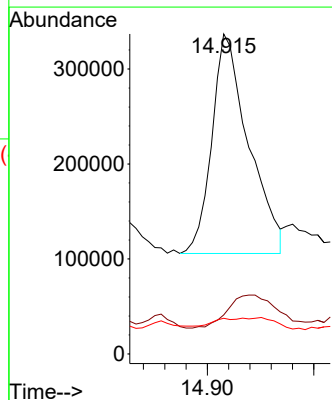
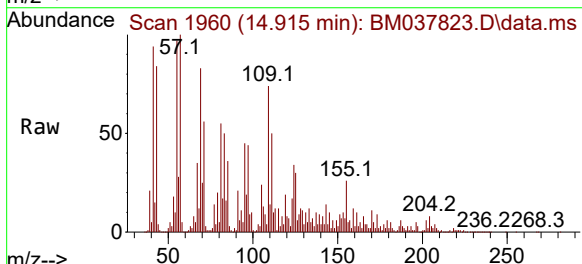
Instrument :  
BNA\_M  
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GBNH9

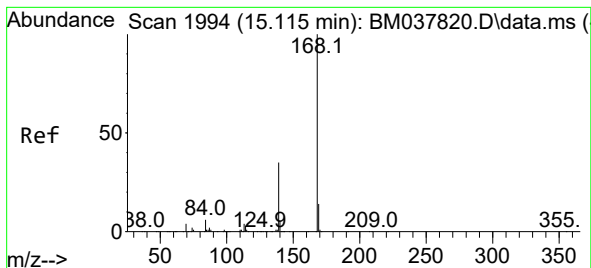
Tgt Ion:153 Resp: 132587  
Ion Ratio Lower Upper  
153 100  
152 47.6 37.0 55.4  
154 58.7 69.8 104.6#



#55  
4-Nitrophenol  
Concen: 99.047 ng/ul  
RT: 14.915 min Scan# 1960  
Delta R.T. -0.012 min  
Lab File: BM037823.D  
Acq: 02 Dec 2022 11:30

Tgt Ion:109 Resp: 553395  
Ion Ratio Lower Upper  
109 100  
139 12.2 131.6 197.4#  
65 11.2 109.4 164.0#





#56

Dibenzenofuran

Concen: 1.198 ng/ul

RT: 15.127 min Scan# 1994

Delta R.T. 0.005 min

Lab File: BM037823.D

Acq: 02 Dec 2022 11:30

Instrument :

BNA\_M

ClientSampleId :

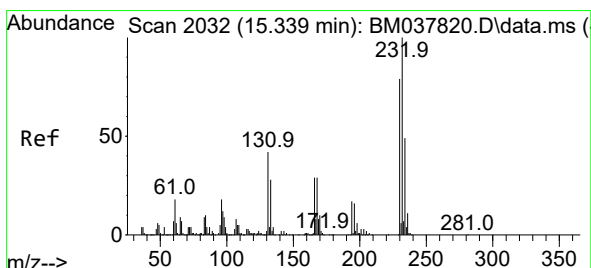
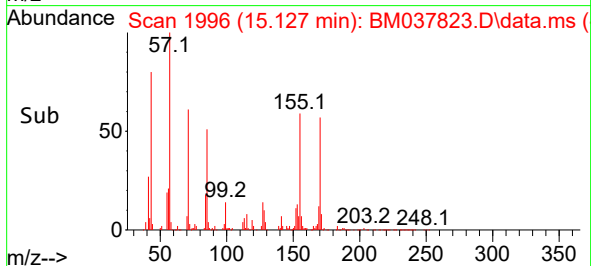
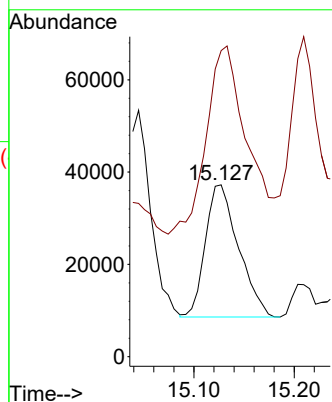
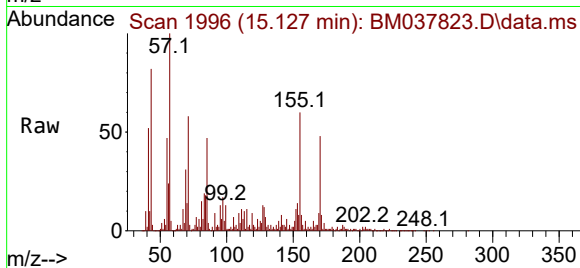
GBNH9

Tgt Ion:168 Resp: 65789

Ion Ratio Lower Upper

168 100

139 178.2 27.6 41.4#



#58

2,3,4,6-Tetrachlorophenol

Concen: 66.136 ng/ul

RT: 15.362 min Scan# 2036

Delta R.T. 0.017 min

Lab File: BM037823.D

Acq: 02 Dec 2022 11:30

Tgt Ion:232 Resp: 736687

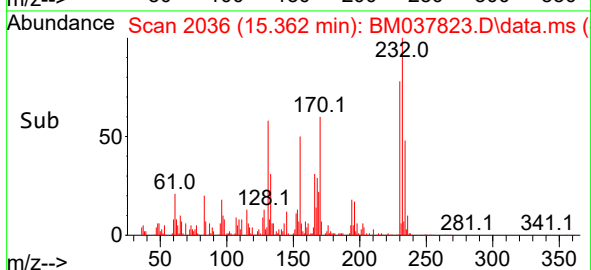
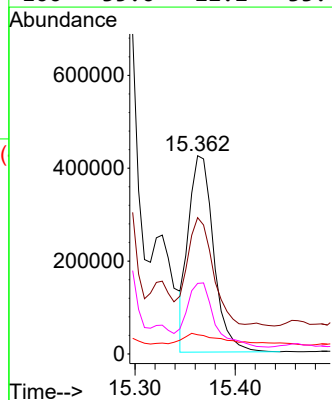
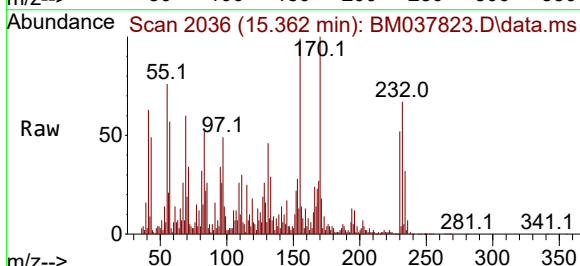
Ion Ratio Lower Upper

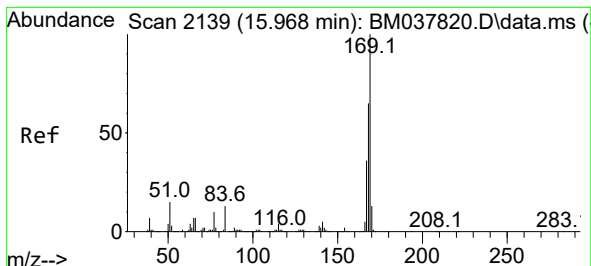
232 100

131 68.8 32.7 49.1#

130 9.7 1.8 2.6#

166 35.6 22.2 33.4#





#67

N-Nitrosodiphenylamine

Concen: 58.053 ng/ul

RT: 16.004 min Scan# 2139

Delta R.T. 0.035 min

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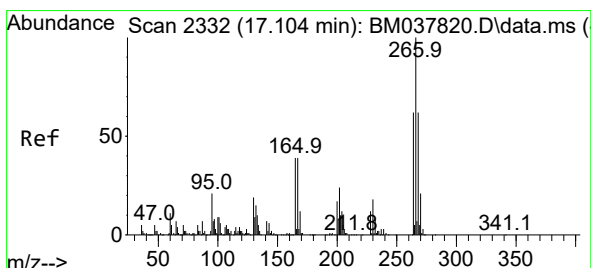
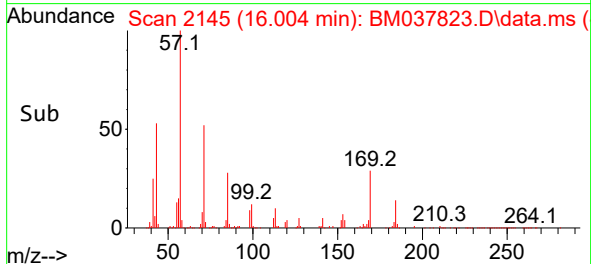
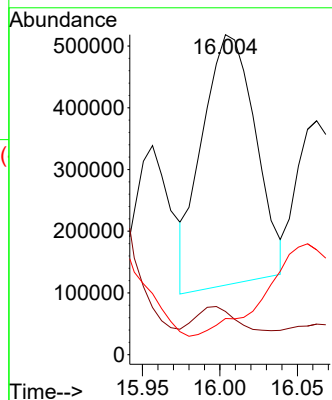
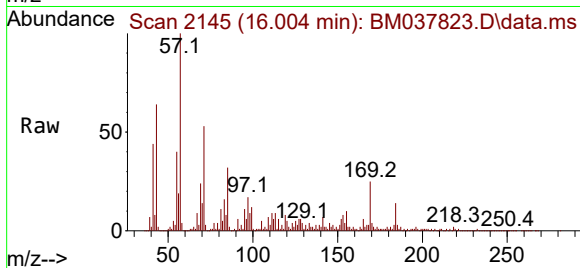
Tgt Ion:169 Resp: 970669

Ion Ratio Lower Upper

169 100

168 13.5 53.8 80.6#

167 11.3 29.5 44.3#



#71

Pentachlorophenol

Concen: 3926.771 ng/ul

RT: 17.227 min Scan# 2353

Delta R.T. 0.117 min

Lab File: BM037823.D

Acq: 02 Dec 2022 11:30

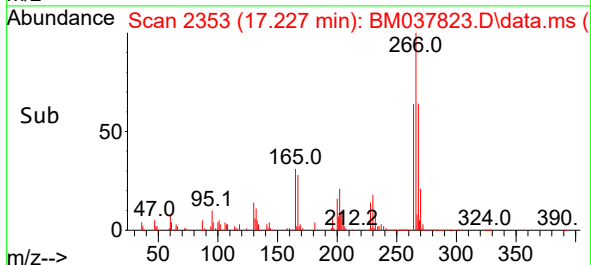
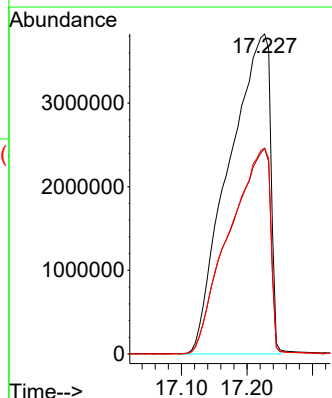
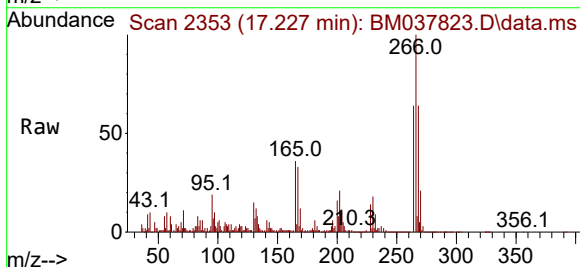
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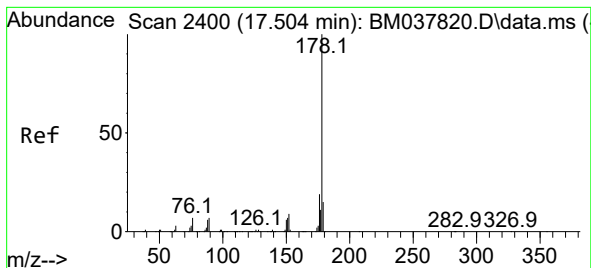
Ion Ratio Lower Upper

266 100

264 64.3 50.3 75.5

268 64.3 52.2 78.2





#72

Phenanthrene

Concen: 8.782 ng/ul

RT: 17.556 min Scan# 2409

Delta R.T. 0.052 min

Lab File: BM037823.D

Acq: 02 Dec 2022 11:30

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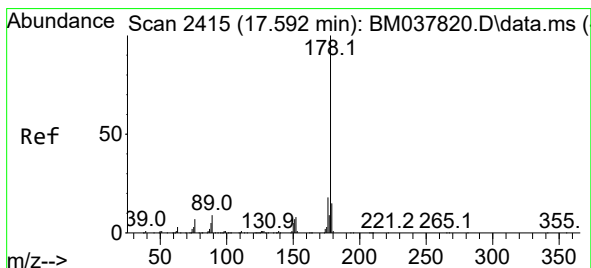
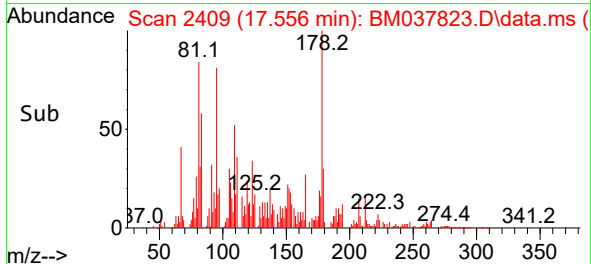
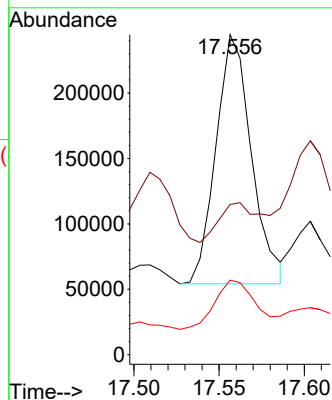
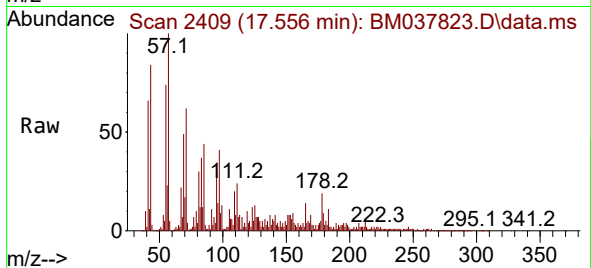
Tgt Ion:178 Resp: 276145

Ion Ratio Lower Upper

178 100

179 47.0 12.5 18.7#

176 23.3 15.3 22.9#



#74

Anthracene

Concen: 5.168 ng/ul

RT: 17.645 min Scan# 2424

Delta R.T. 0.047 min

Lab File: BM037823.D

Acq: 02 Dec 2022 11:30

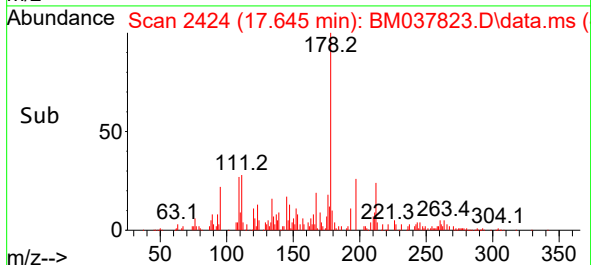
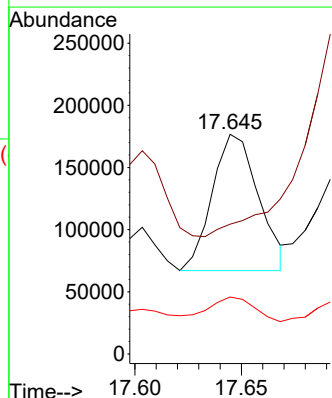
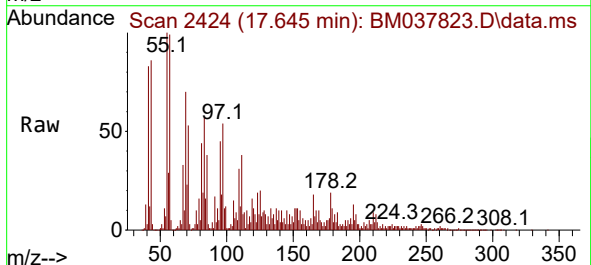
Tgt Ion:178 Resp: 165781

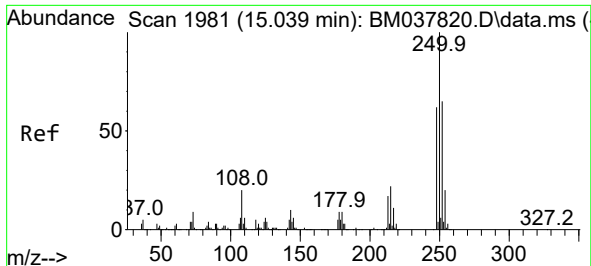
Ion Ratio Lower Upper

178 100

179 59.1 12.2 18.4#

176 26.0 14.8 22.2#

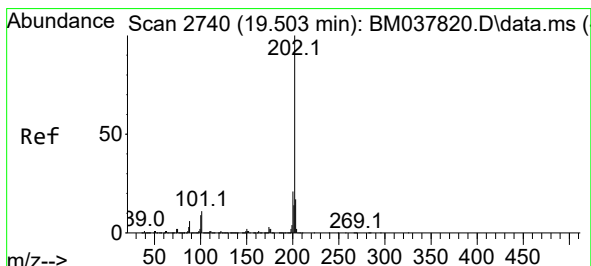
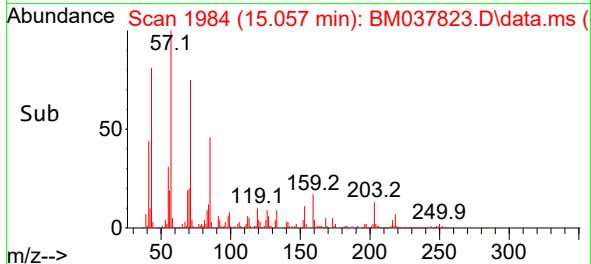
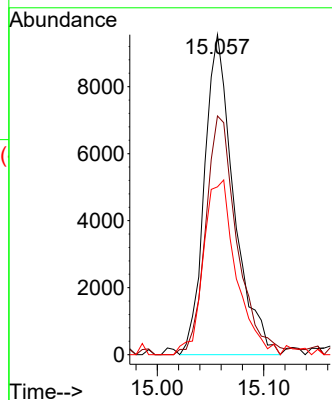
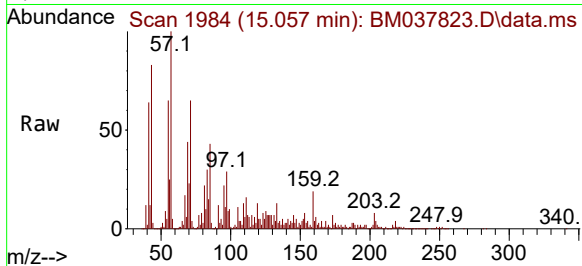




#76  
Pentachlorobenzene  
Concen: 2.150 ng/uL  
RT: 15.057 min Scan# 1984  
Delta R.T. 0.017 min  
Lab File: BM037823.D  
Acq: 02 Dec 2022 11:30

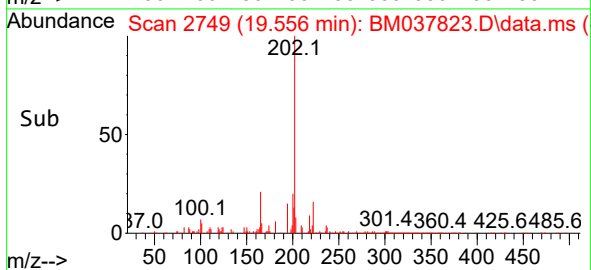
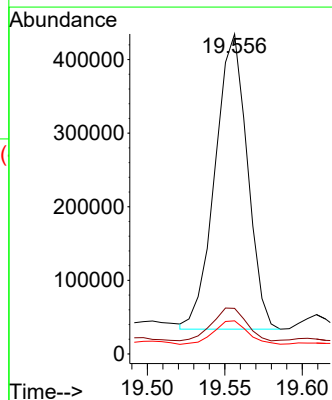
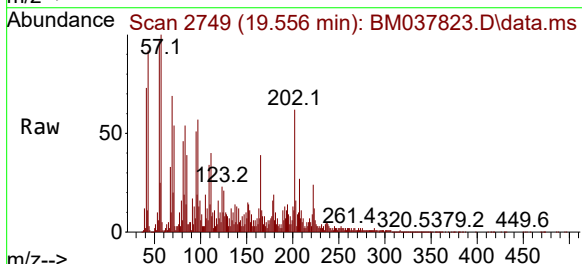
Instrument :  
BNA\_M  
ClientSampleId :  
GBNH9

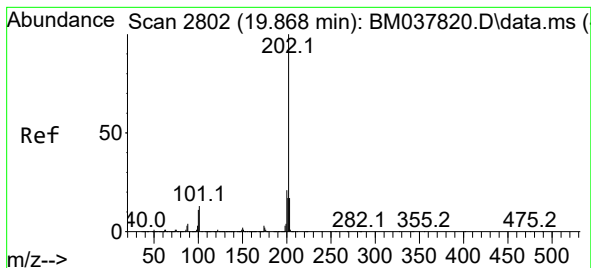
Tgt Ion:250 Resp: 18302  
Ion Ratio Lower Upper  
250 100  
248 74.6 50.5 75.7  
252 52.5 51.1 76.7



#80  
Fluoranthene  
Concen: 2566.066 ng/uL  
RT: 19.556 min Scan# 2749  
Delta R.T. 0.047 min  
Lab File: BM037823.D  
Acq: 02 Dec 2022 11:30

Tgt Ion:202 Resp: 580423  
Ion Ratio Lower Upper  
202 100  
101 14.3 9.7 14.5  
100 10.3 7.7 11.5





#82

Pyrene

Concen: 9121.191 ng/ul

RT: 19.915 min Scan# 2

Delta R.T. 0.041 min

Lab File: BM037823.D

Acq: 02 Dec 2022 11:30

Instrument :

BNA\_M

ClientSampleId :

GBNH9

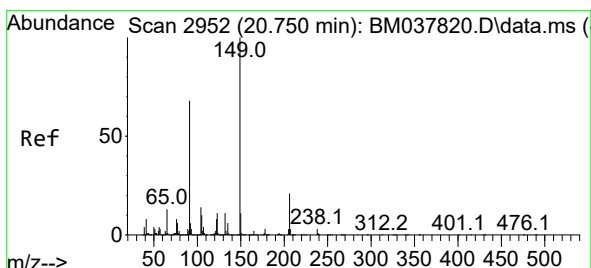
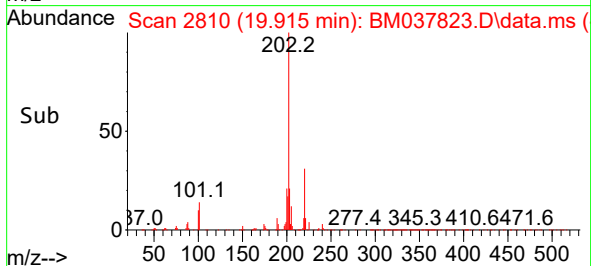
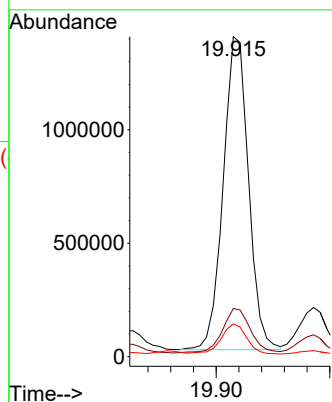
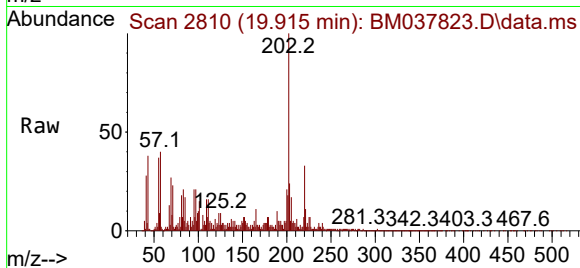
Tgt Ion:202 Resp: 2130246

Ion Ratio Lower Upper

202 100

101 15.1 11.0 16.4

100 10.3 9.0 13.6



#83

Butylbenzylphthalate

Concen: 5247.379 ng/ul

RT: 20.774 min Scan# 2956

Delta R.T. 0.017 min

Lab File: BM037823.D

Acq: 02 Dec 2022 11:30

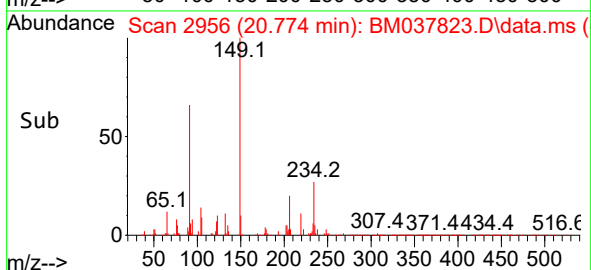
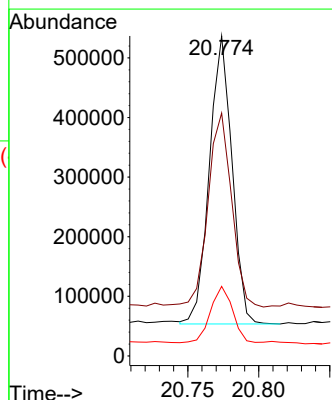
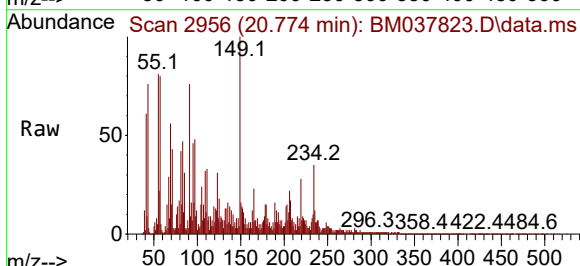
Tgt Ion:149 Resp: 534336

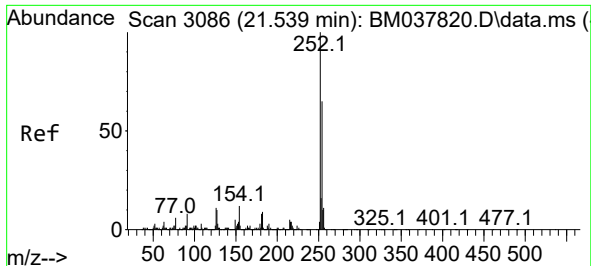
Ion Ratio Lower Upper

149 100

91 75.9 51.7 77.5

206 21.8 17.1 25.7

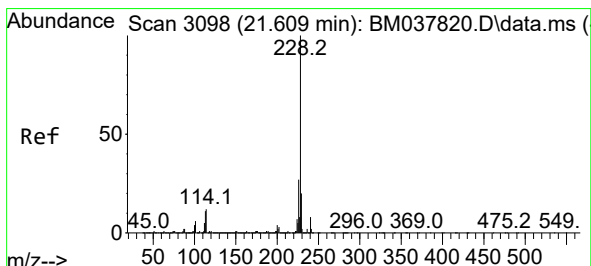
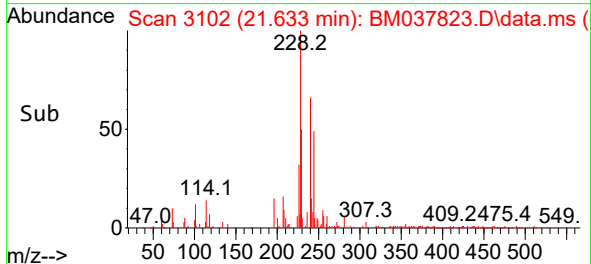
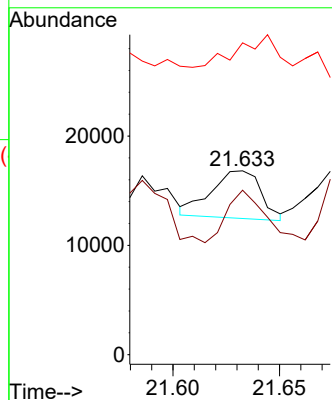
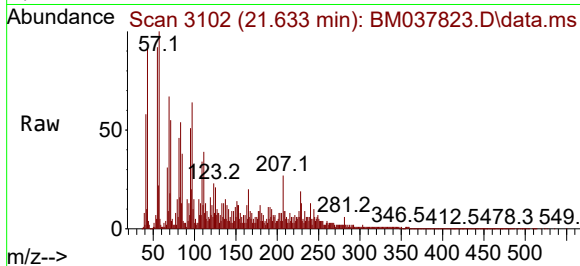




#84  
3,3'-Dichlorobenzidine  
Concen: 93.026 ng/ul  
RT: 21.633 min Scan# 3102  
Delta R.T. 0.088 min  
Lab File: BM037823.D  
Acq: 02 Dec 2022 11:30

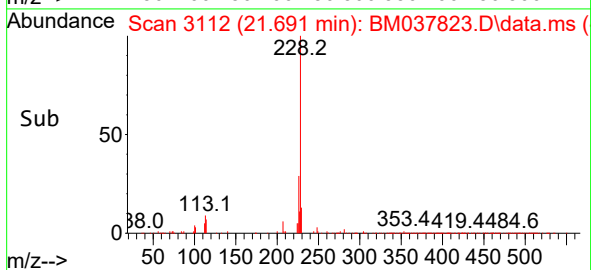
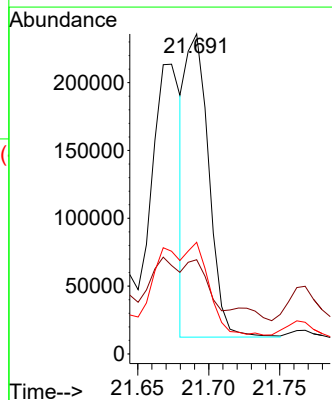
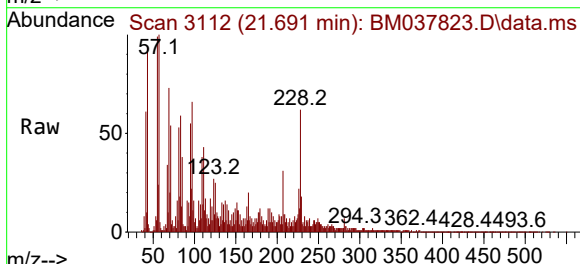
Instrument :  
BNA\_M  
ClientSampleId :  
GBNH9

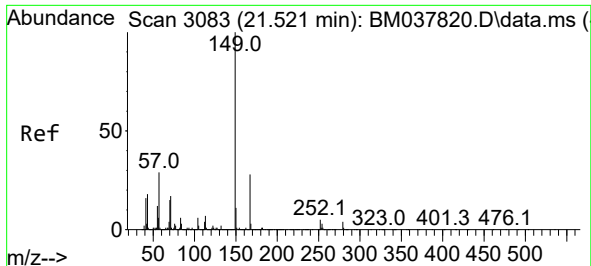
Tgt Ion:252 Resp: 6967  
Ion Ratio Lower Upper  
252 100  
254 89.4 52.2 78.4#  
126 169.6 8.8 13.2#



#85  
Benzo(a)anthracene  
Concen: 1108.224 ng/ul  
RT: 21.691 min Scan# 3112  
Delta R.T. 0.076 min  
Lab File: BM037823.D  
Acq: 02 Dec 2022 11:30

Tgt Ion:228 Resp: 253485  
Ion Ratio Lower Upper  
228 100  
229 29.4 16.2 24.2#  
226 34.9 22.3 33.5#

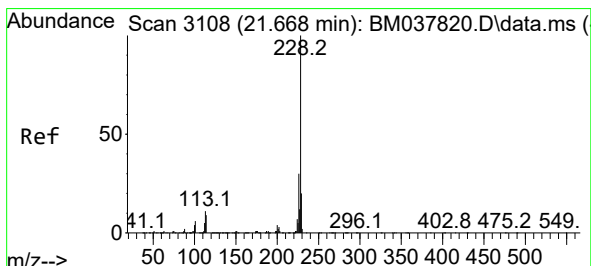
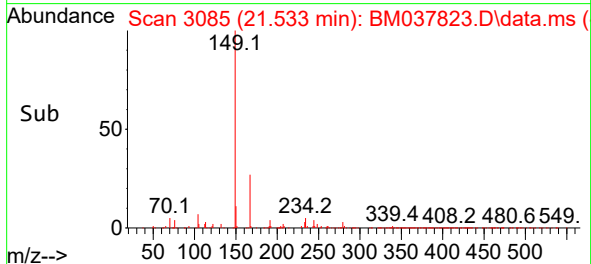
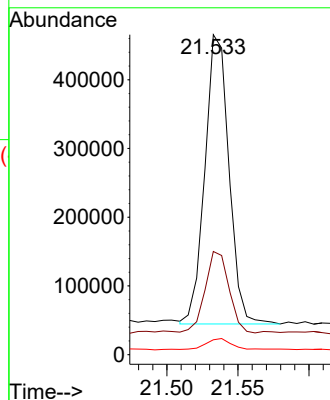
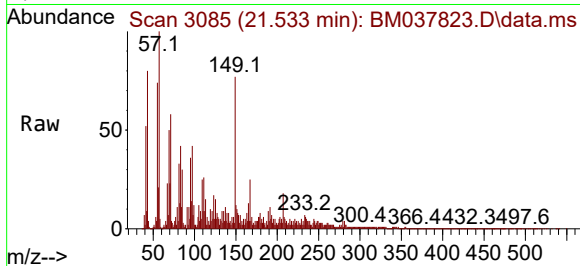




#86  
Bis(2-ethylhexyl)phthalate  
Concen: 3229.691 ng/ul  
RT: 21.533 min Scan# 3083  
Delta R.T. 0.005 min  
Lab File: BM037823.D  
Acq: 02 Dec 2022 11:30

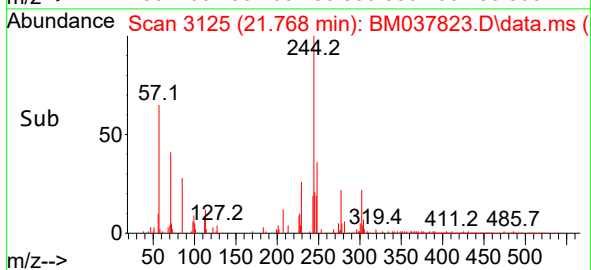
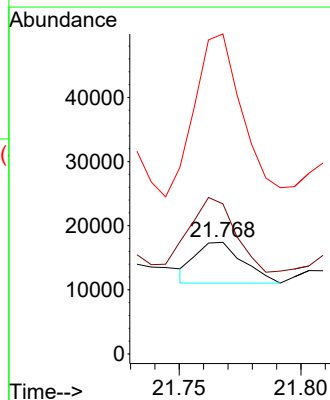
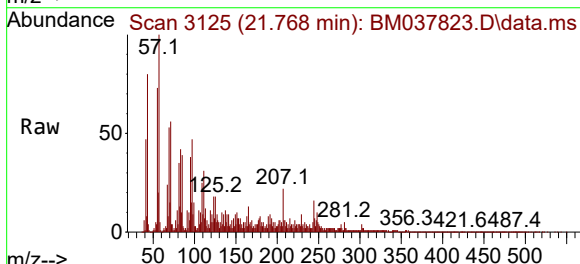
Instrument :  
BNA\_M  
ClientSampleId :  
GBNH9

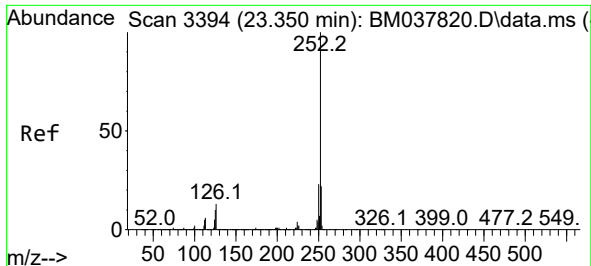
Tgt Ion:149 Resp: 496943  
Ion Ratio Lower Upper  
149 100  
167 32.3 23.3 34.9  
279 4.7 3.6 5.4



#87  
Chrysene  
Concen: 40.519 ng/ul  
RT: 21.768 min Scan# 3125  
Delta R.T. 0.094 min  
Lab File: BM037823.D  
Acq: 02 Dec 2022 11:30

Tgt Ion:228 Resp: 8627  
Ion Ratio Lower Upper  
228 100  
226 134.3 24.2 36.2#  
229 286.5 15.8 23.6#

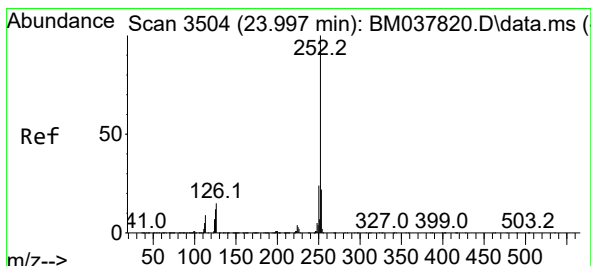
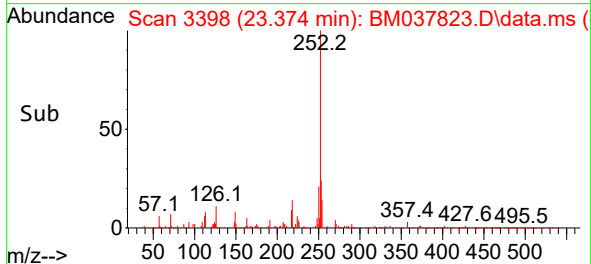
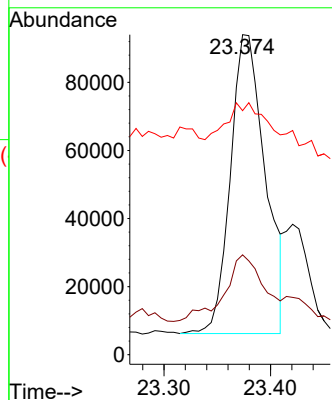
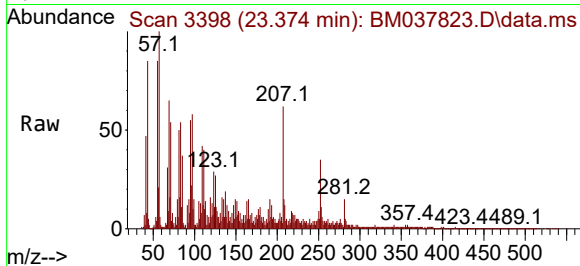




#90  
Benzo(b)fluoranthene  
Concen: 4.371 ng/ul  
RT: 23.374 min Scan# 31  
Delta R.T. 0.017 min  
Lab File: BM037823.D  
Acq: 02 Dec 2022 11:30

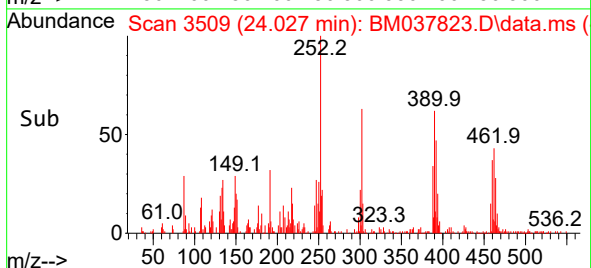
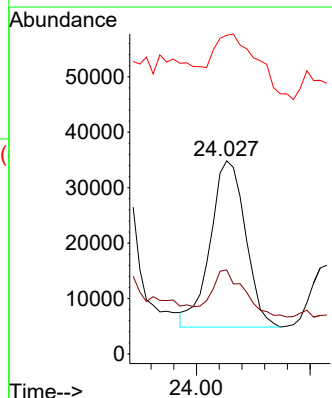
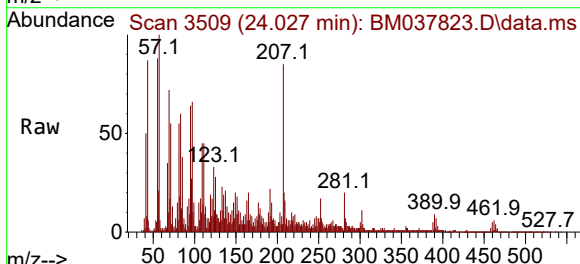
Instrument :  
BNA\_M  
ClientSampleId :  
GBNH9

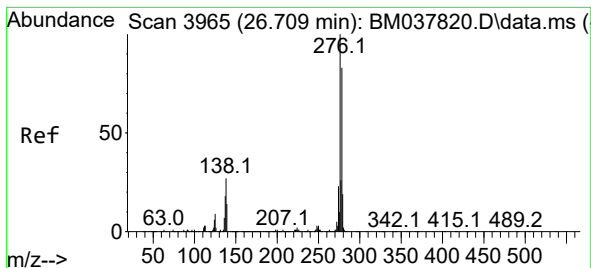
Tgt Ion:252 Resp: 200201  
Ion Ratio Lower Upper  
252 100  
253 31.2 17.7 26.5#  
125 76.3 9.3 13.9#



#93  
Benzo(a)pyrene  
Concen: 1.626 ng/ul  
RT: 24.027 min Scan# 3509  
Delta R.T. 0.017 min  
Lab File: BM037823.D  
Acq: 02 Dec 2022 11:30

Tgt Ion:252 Resp: 64587  
Ion Ratio Lower Upper  
252 100  
253 43.5 17.4 26.2#  
125 165.0 10.2 15.4#





#94

Indeno(1,2,3-cd)pyrene

Concen: 1.372 ng/ul

RT: 26.762 min Scan# 3965

Delta R.T. 0.041 min

Lab File: BM037823.D

Acq: 02 Dec 2022 11:30

Instrument :

BNA\_M

ClientSampleId :

GBNH9

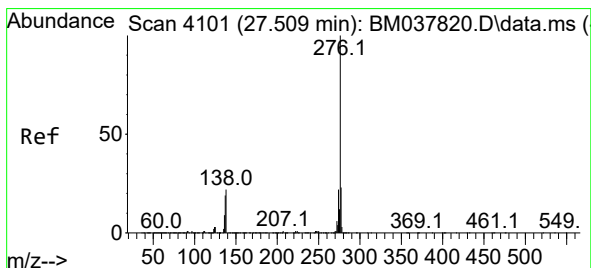
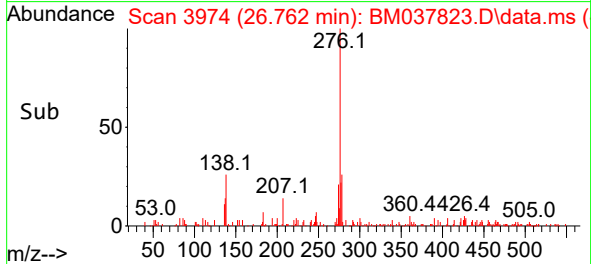
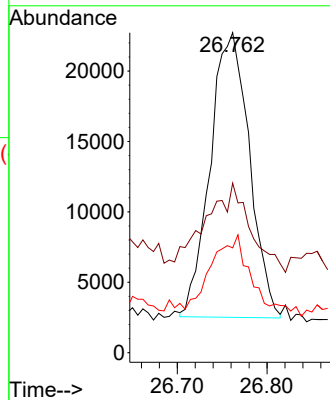
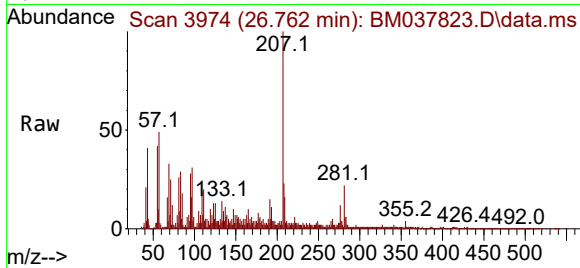
Tgt Ion:276 Resp: 61270

Ion Ratio Lower Upper

276 100

138 53.0 22.7 34.1#

277 32.8 20.1 30.1#



#96

Benzo(g,h,i)perylene

Concen: 2.002 ng/ul

RT: 27.556 min Scan# 4109

Delta R.T. 0.029 min

Lab File: BM037823.D

Acq: 02 Dec 2022 11:30

Tgt Ion:276 Resp: 78024

Ion Ratio Lower Upper

276 100

138 45.7 19.2 28.8#

277 33.5 19.1 28.7#

