

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012225\  
 Data File : BM049384.D  
 Acq On : 22 Jan 2025 15:33  
 Operator : RC/JU  
 Sample : Q1139-02  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCZH1

Quant Time: Jan 22 22:10:34 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM011325.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 13 16:56:06 2025  
 Response via : Initial Calibration

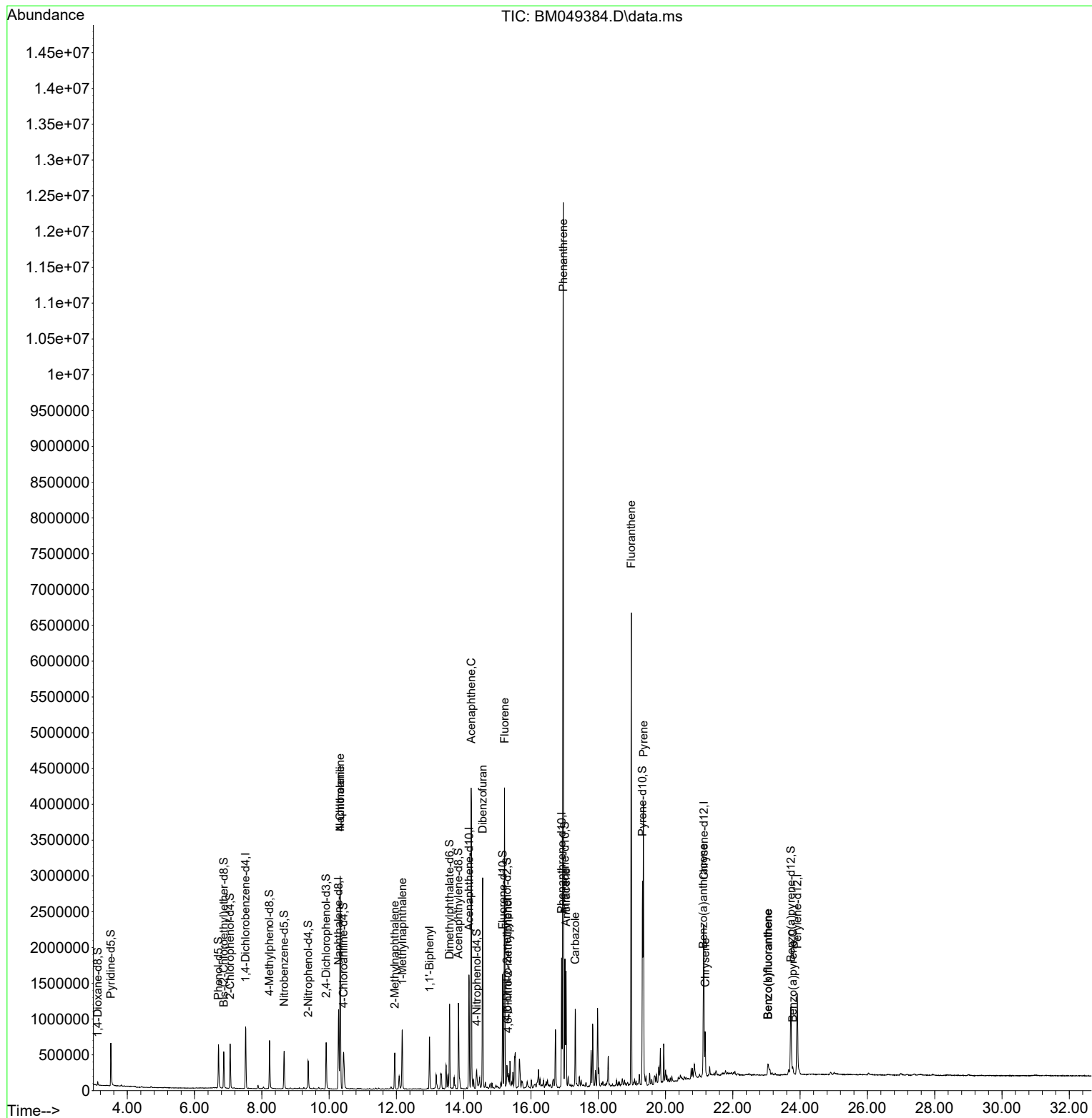
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.516  | 152  | 230752   | 20.000  | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.281 | 136  | 833922   | 20.000  | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.157 | 164  | 516096   | 20.000  | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 16.910 | 188  | 1012383  | 20.000  | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.139 | 240  | 970139   | 20.000  | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.915 | 264  | 934708   | 20.000  | ng/ul  | -0.02    |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.122  | 96   | 19413    | 3.481   | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.511  | 84   | 292448   | 16.472  | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.710  | 99   | 322340   | 16.641  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.869  | 67   | 236198   | 18.313  | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.058  | 132  | 261718   | 17.662  | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.228  | 113  | 241043   | 16.047  | ng/ul  | -0.01    |
| 21) Nitrobenzene-d5           | 8.663  | 128  | 110916   | 17.442  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.381  | 143  | 124914   | 17.571  | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.910  | 165  | 242444   | 16.713  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.428 | 131  | 269409   | 14.114  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.581 | 166  | 732131   | 19.060  | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 13.845 | 160  | 756037   | 17.241  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.386 | 143  | 58166    | 9.144   | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.157 | 176  | 585295   | 17.638  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.286 | 200  | 60203    | 9.331   | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.010 | 188  | 930515   | 18.593  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.316 | 212  | 1021046  | 17.294  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.727 | 264  | 836931   | 16.680  | ng/ul  | -0.02    |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 30) Naphthalene               | 10.328 | 128  | 2262295  | 51.118  | ng/ul  | 99       |
| 32) 4-Chloroaniline           | 10.328 | 127  | 290792   | 15.975  | ng/ul# | 2        |
| 36) 2-Methylnaphthalene       | 11.951 | 142  | 230647   | 7.283   | ng/ul  | 100      |
| 37) 1-Methylnaphthalene       | 12.175 | 142  | 391770   | 12.433  | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 12.987 | 154  | 378344   | 10.013  | ng/ul  | 97       |
| 52) Acenaphthene              | 14.222 | 153  | 1611945  | 50.185  | ng/ul  | 99       |
| 56) Dibenzofuran              | 14.563 | 168  | 1805804  | 39.590  | ng/ul  | 99       |
| 61) Fluorene                  | 15.216 | 166  | 1711583  | 45.927  | ng/ul  | 99       |
| 66) 4,6-Dinitro-2-methylph... | 15.316 | 198  | 8181     | 1.163   | ng/ul# | 98       |
| 72) Phenanthrene              | 16.957 | 178  | 7342582  | 130.460 | ng/ul  | 100      |
| 74) Anthracene                | 17.045 | 178  | 977314   | 17.300  | ng/ul  | 99       |
| 77) Carbazole                 | 17.316 | 167  | 644633   | 12.861  | ng/ul  | 99       |
| 80) Fluoranthene              | 18.980 | 202  | 3792581  | 55.902  | ng/ul  | 99       |
| 82) Pyrene                    | 19.345 | 202  | 2377493  | 32.921  | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.121 | 228  | 436541   | 6.457   | ng/ul  | 99       |
| 87) Chrysene                  | 21.180 | 228  | 384395   | 6.228   | ng/ul  | 99       |
| 90) Benzo(b)fluoranthene      | 23.045 | 252  | 173813   | 2.778   | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.045 | 252  | 173813   | 2.786   | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 23.786 | 252  | 88631    | 1.568   | ng/ul# | 96       |

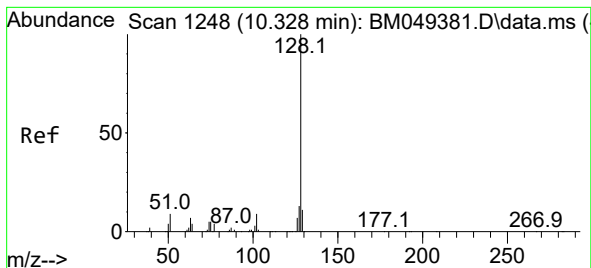
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Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012225\  
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 Sample : Q1139-02  
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Quant Time: Jan 22 22:10:34 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM011325.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jan 13 16:56:06 2025  
 Response via : Initial Calibration

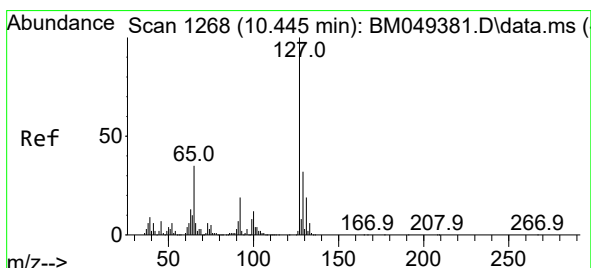
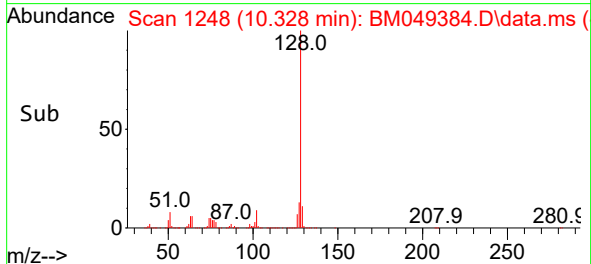
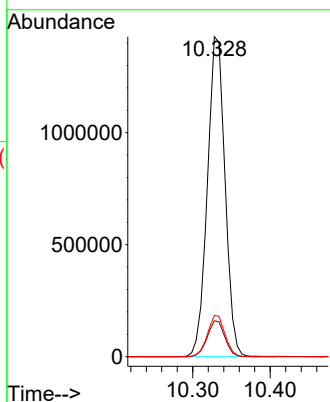
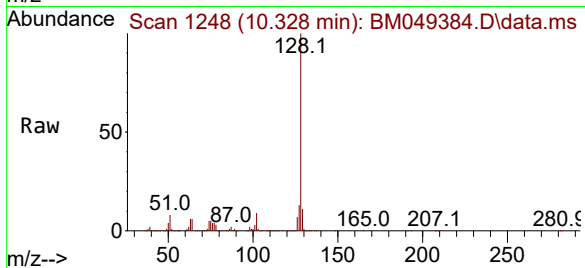




#30  
Naphthalene  
Concen: 51.118 ng/ul  
RT: 10.328 min Scan# 1248  
Delta R.T. -0.006 min  
Lab File: BM049384.D  
Acq: 22 Jan 2025 15:33

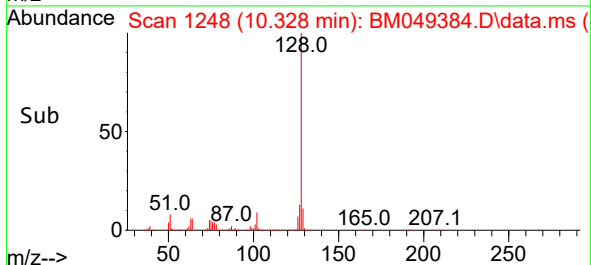
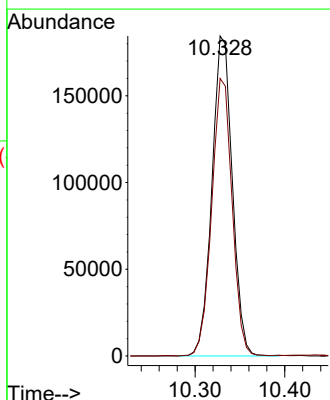
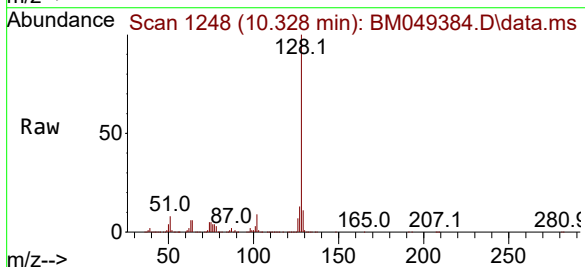
Instrument :  
BNA\_M  
ClientSampleId :  
DCZH1

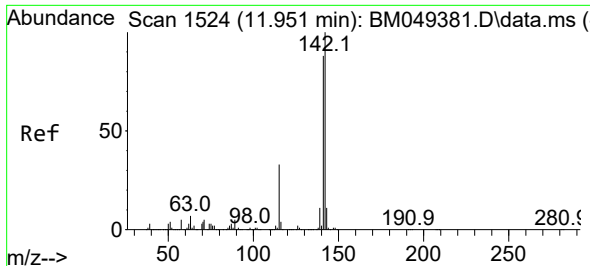
Tgt Ion:128 Resp: 2262295  
Ion Ratio Lower Upper  
128 100  
129 11.2 8.5 12.7  
127 12.9 10.2 15.2



#32  
4-Chloroaniline  
Concen: 15.975 ng/ul  
RT: 10.328 min Scan# 1248  
Delta R.T. -0.123 min  
Lab File: BM049384.D  
Acq: 22 Jan 2025 15:33

Tgt Ion:127 Resp: 290792  
Ion Ratio Lower Upper  
127 100  
129 86.7 25.7 38.5#

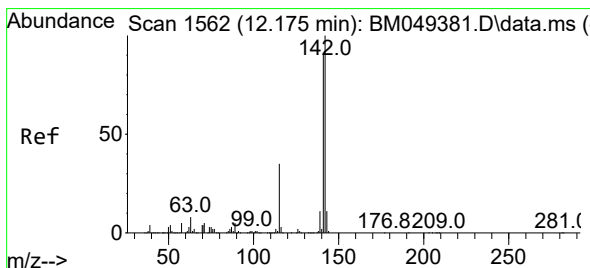
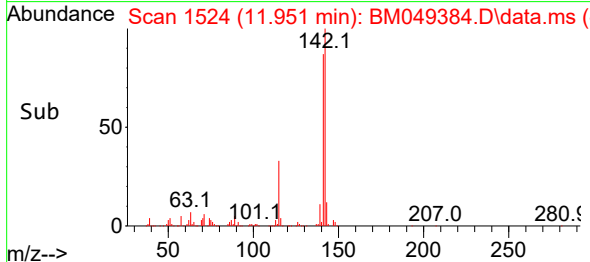
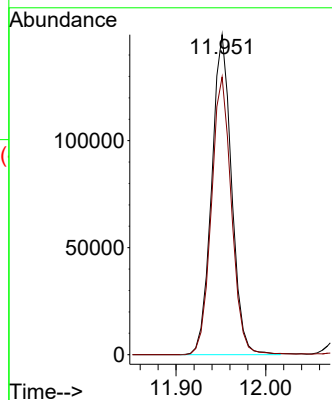
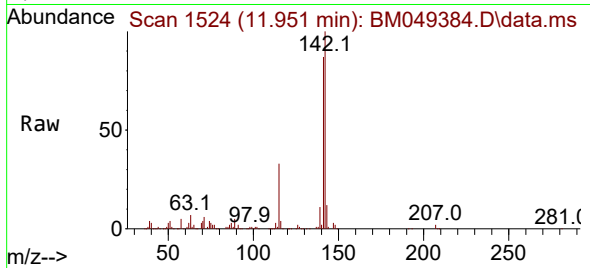




#36  
2-Methylnaphthalene  
Concen: 7.283 ng/ul  
RT: 11.951 min Scan# 1524  
Delta R.T. -0.006 min  
Lab File: BM049384.D  
Acq: 22 Jan 2025 15:33

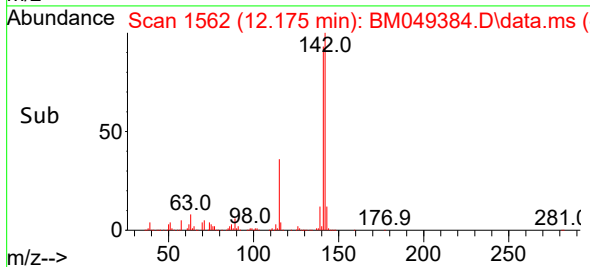
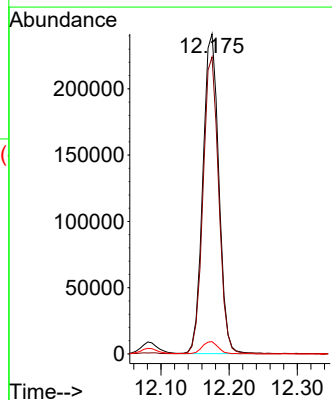
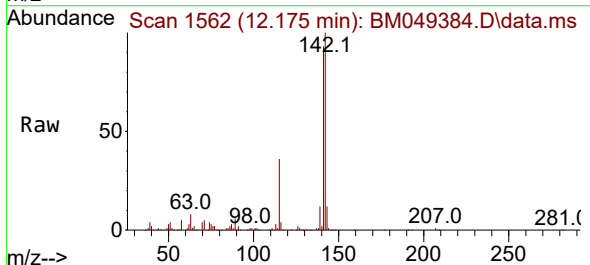
Instrument :  
BNA\_M  
ClientSampleId :  
DCZH1

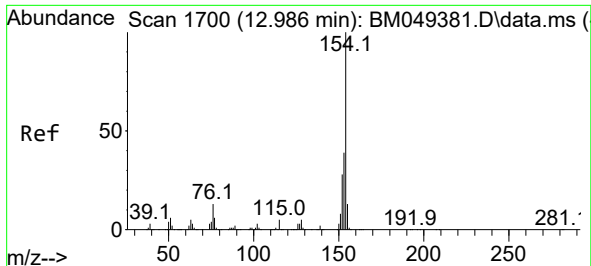
Tgt Ion:142 Resp: 230647  
Ion Ratio Lower Upper  
142 100  
141 86.8 69.6 104.4



#37  
1-Methylnaphthalene  
Concen: 12.433 ng/ul  
RT: 12.175 min Scan# 1562  
Delta R.T. -0.006 min  
Lab File: BM049384.D  
Acq: 22 Jan 2025 15:33

Tgt Ion:142 Resp: 391770  
Ion Ratio Lower Upper  
142 100  
141 92.8 71.9 107.9  
116 3.9 2.8 4.2

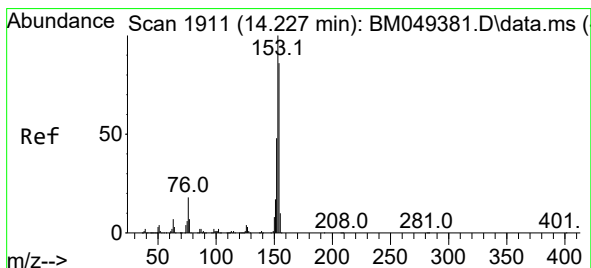
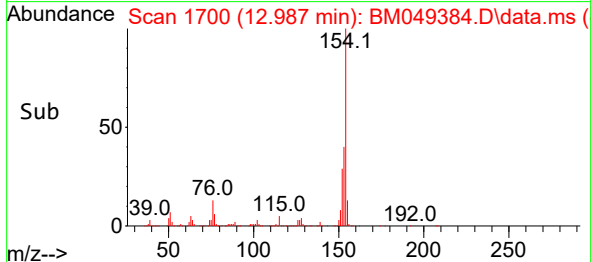
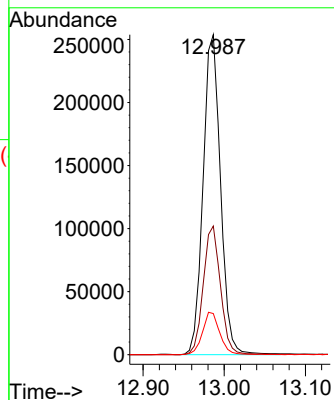
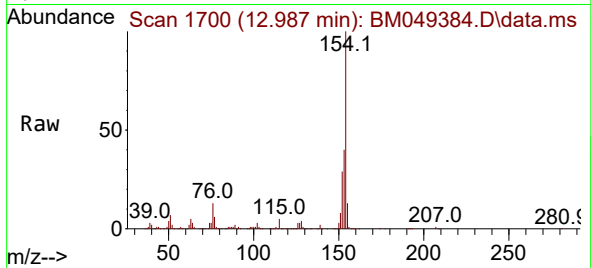




#43  
1,1'-Biphenyl  
Concen: 10.013 ng/ul  
RT: 12.987 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BM049384.D  
Acq: 22 Jan 2025 15:33

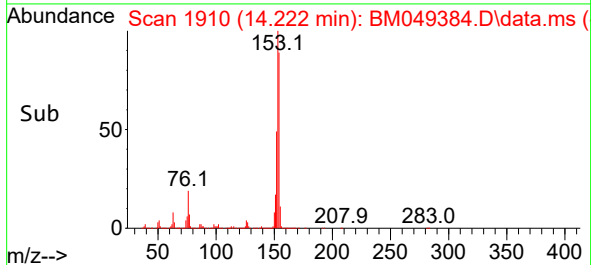
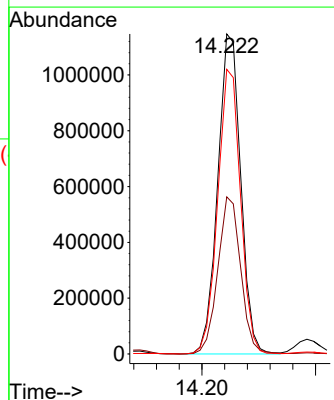
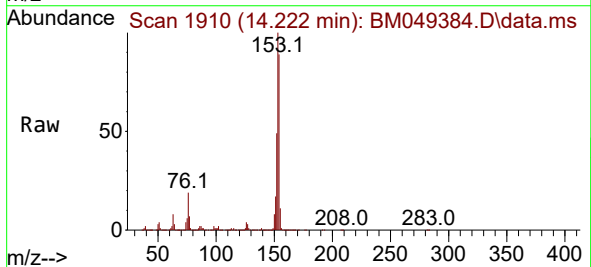
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ClientSampleId :  
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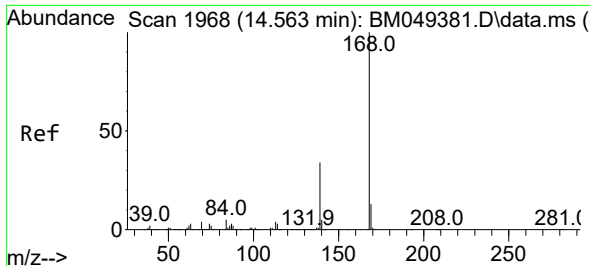
Tgt Ion:154 Resp: 378344  
Ion Ratio Lower Upper  
154 100  
153 40.2 31.0 46.4  
76 12.9 9.1 13.7



#52  
Acenaphthene  
Concen: 50.185 ng/ul  
RT: 14.222 min Scan# 1910  
Delta R.T. -0.006 min  
Lab File: BM049384.D  
Acq: 22 Jan 2025 15:33

Tgt Ion:153 Resp: 1611945  
Ion Ratio Lower Upper  
153 100  
152 49.1 39.0 58.6  
154 89.0 71.6 107.4

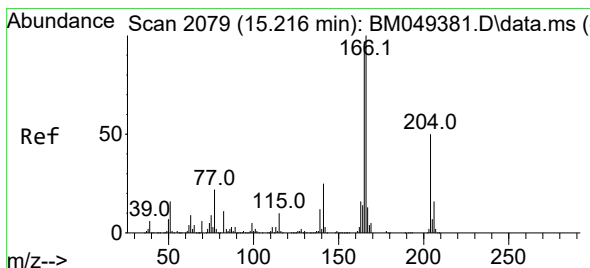
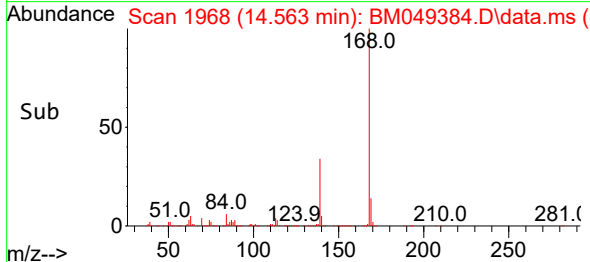
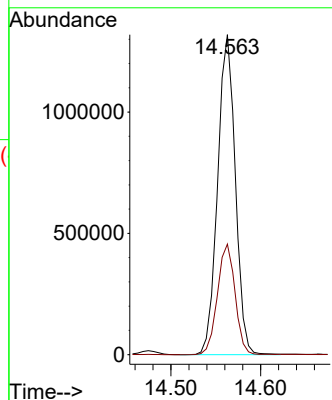
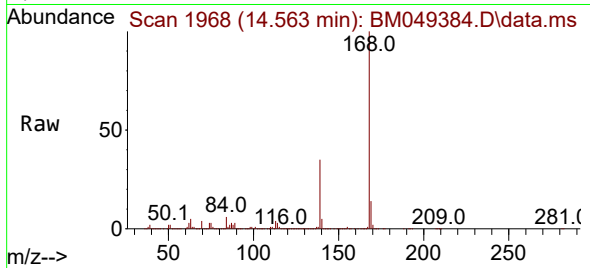




#56  
Dibenzenofuran  
Concen: 39.590 ng/ul  
RT: 14.563 min Scan# 1968  
Delta R.T. -0.006 min  
Lab File: BM049384.D  
Acq: 22 Jan 2025 15:33

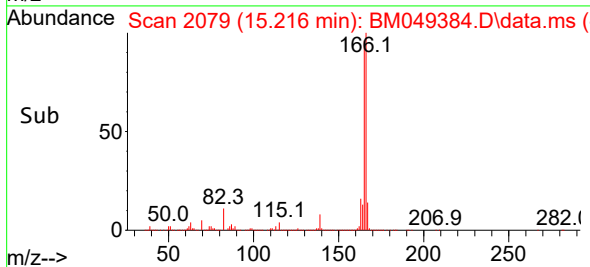
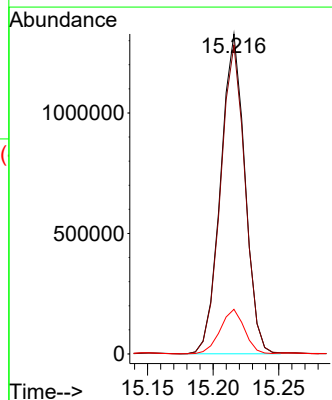
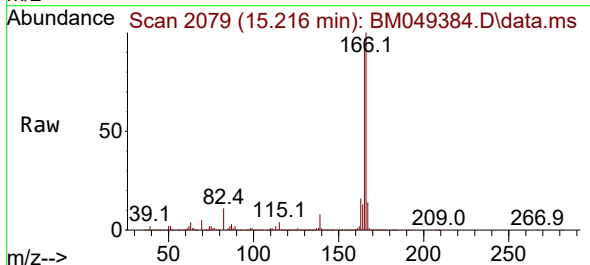
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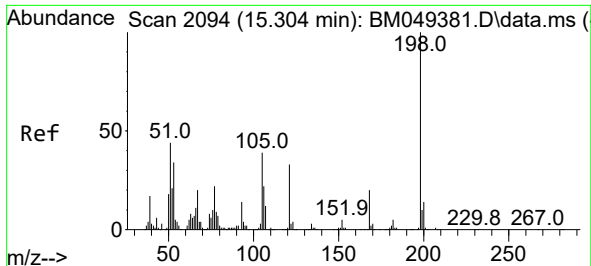
Tgt Ion:168 Resp: 1805804  
Ion Ratio Lower Upper  
168 100  
139 34.5 27.0 40.4



#61  
Fluorene  
Concen: 45.927 ng/ul  
RT: 15.216 min Scan# 2079  
Delta R.T. -0.006 min  
Lab File: BM049384.D  
Acq: 22 Jan 2025 15:33

Tgt Ion:166 Resp: 1711583  
Ion Ratio Lower Upper  
166 100  
165 96.5 77.7 116.5  
167 13.9 10.7 16.1

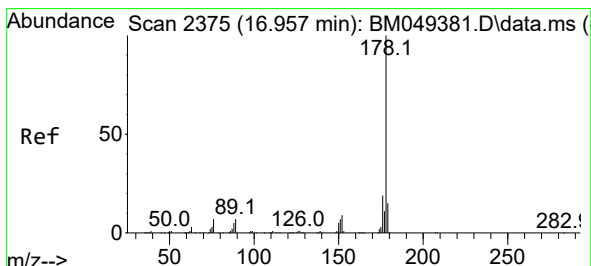
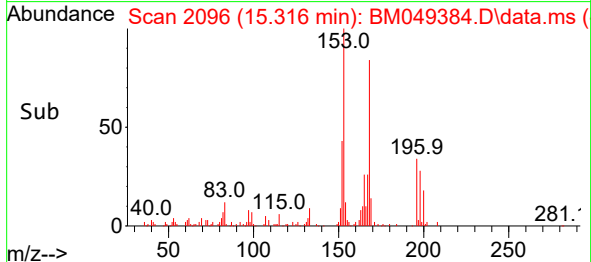
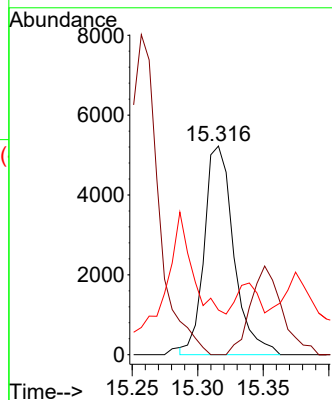
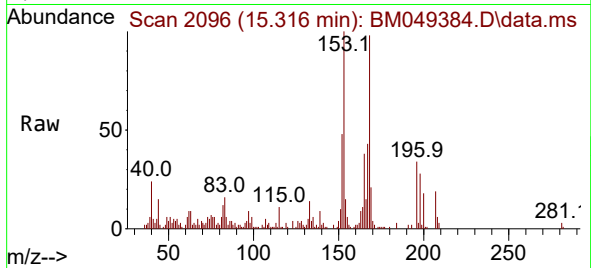




#66  
4,6-Dinitro-2-methylphenol  
Concen: 1.163 ng/ul  
RT: 15.316 min Scan# 2096  
Delta R.T. 0.006 min  
Lab File: BM049384.D  
Acq: 22 Jan 2025 15:33

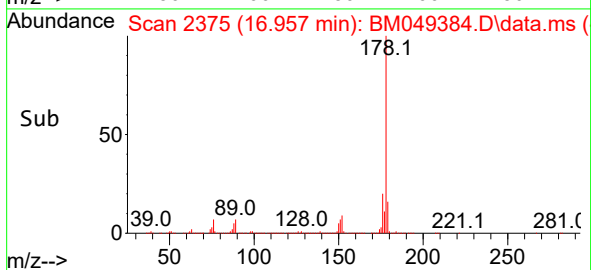
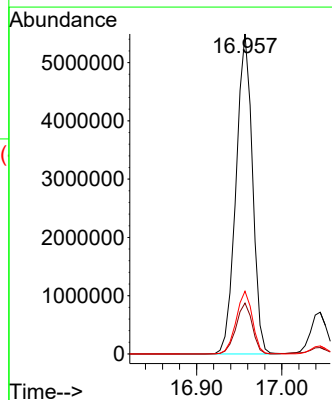
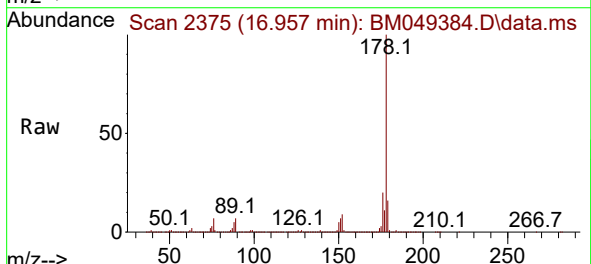
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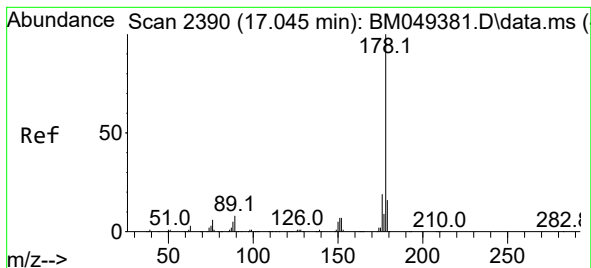
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Ion Ratio Lower Upper  
198 100  
182 0.0 3.5 5.3#  
77 21.4 17.0 25.6



#72  
Phenanthrene  
Concen: 130.460 ng/ul  
RT: 16.957 min Scan# 2375  
Delta R.T. 0.000 min  
Lab File: BM049384.D  
Acq: 22 Jan 2025 15:33

Tgt Ion:178 Resp: 7342582  
Ion Ratio Lower Upper  
178 100  
179 15.9 12.6 19.0  
176 19.6 15.4 23.2





#74

Anthracene

Concen: 17.300 ng/ul

RT: 17.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049384.D

Acq: 22 Jan 2025 15:33

Instrument :

BNA\_M

ClientSampleId :

DCZH1

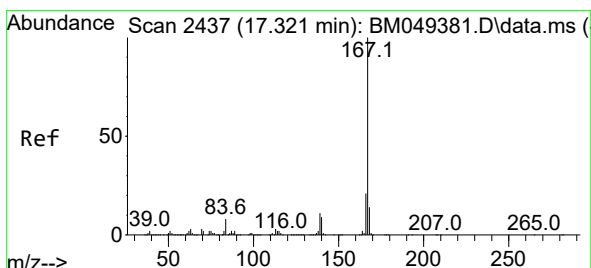
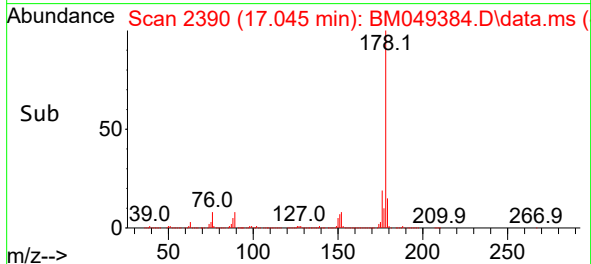
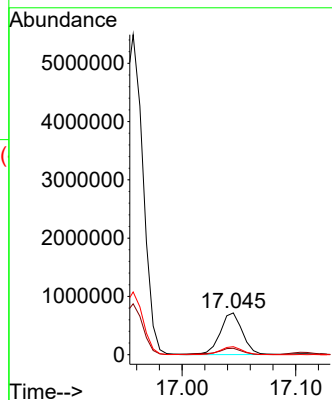
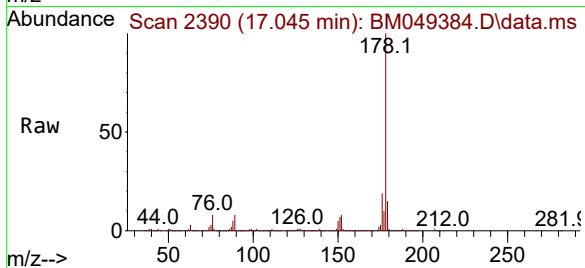
Tgt Ion:178 Resp: 977314

Ion Ratio Lower Upper

178 100

179 15.3 12.5 18.7

176 19.3 15.1 22.7



#77

Carbazole

Concen: 12.861 ng/ul

RT: 17.316 min Scan# 2436

Delta R.T. -0.011 min

Lab File: BM049384.D

Acq: 22 Jan 2025 15:33

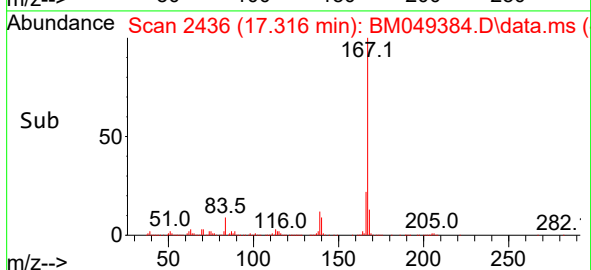
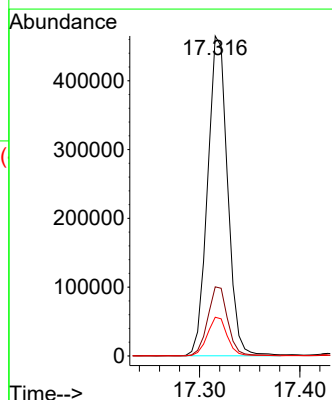
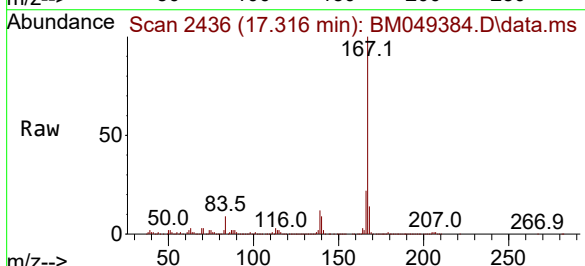
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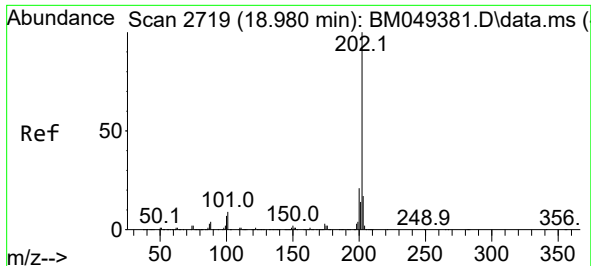
Ion Ratio Lower Upper

167 100

166 21.6 16.7 25.1

139 12.1 9.5 14.3

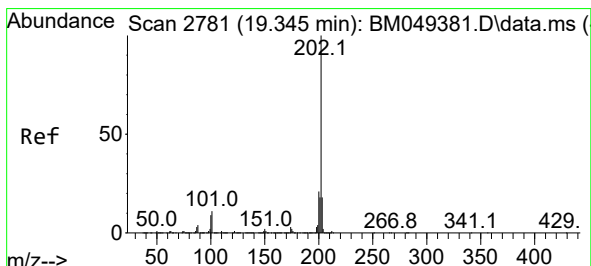
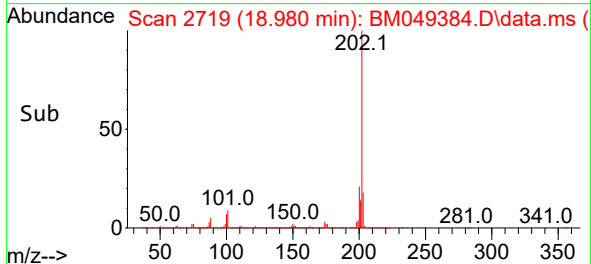
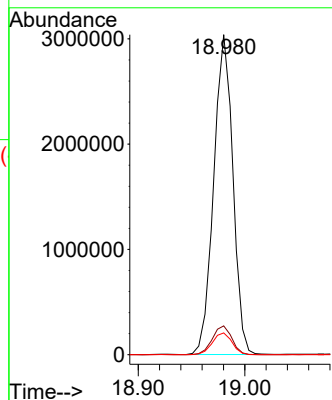
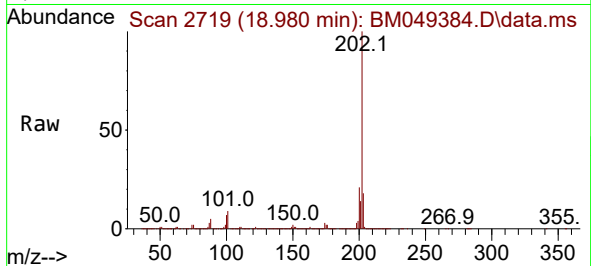




#80  
Fluoranthene  
Concen: 55.902 ng/ul  
RT: 18.980 min Scan# 2719  
Delta R.T. -0.006 min  
Lab File: BM049384.D  
Acq: 22 Jan 2025 15:33

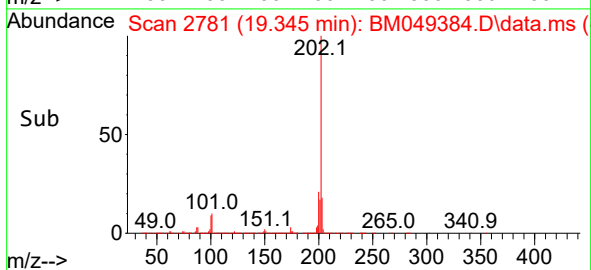
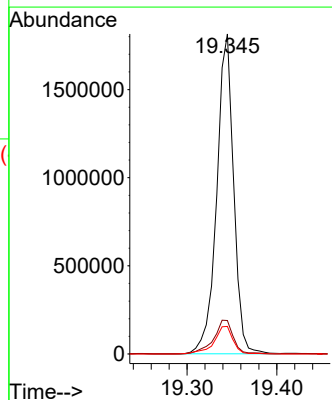
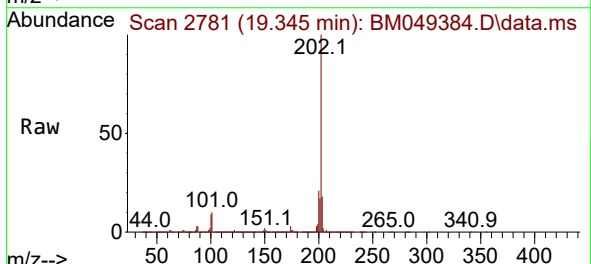
Instrument :  
BNA\_M  
ClientSampleId :  
DCZH1

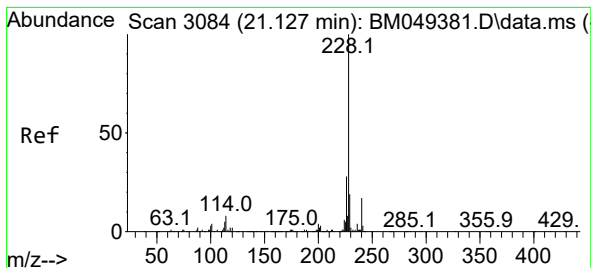
Tgt Ion:202 Resp: 3792581  
Ion Ratio Lower Upper  
202 100  
101 9.0 7.0 10.4  
100 6.8 5.0 7.6



#82  
Pyrene  
Concen: 32.921 ng/ul  
RT: 19.345 min Scan# 2781  
Delta R.T. -0.006 min  
Lab File: BM049384.D  
Acq: 22 Jan 2025 15:33

Tgt Ion:202 Resp: 2377493  
Ion Ratio Lower Upper  
202 100  
101 10.4 7.8 11.8  
100 8.6 6.6 10.0





#85

Benzo(a)anthracene

Concen: 6.457 ng/ul

RT: 21.121 min Scan# 3083

Delta R.T. -0.011 min

Lab File: BM049384.D

Acq: 22 Jan 2025 15:33

Instrument :

BNA\_M

ClientSampleId :

DCZH1

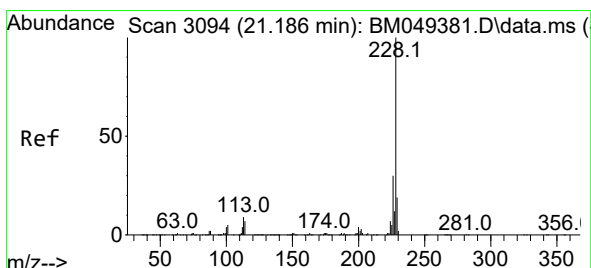
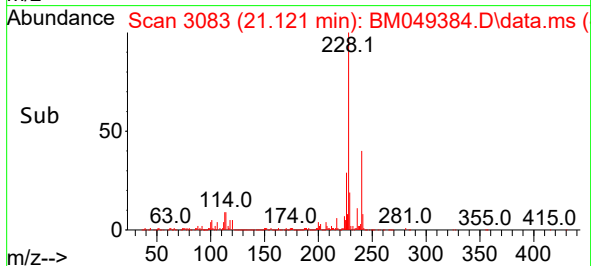
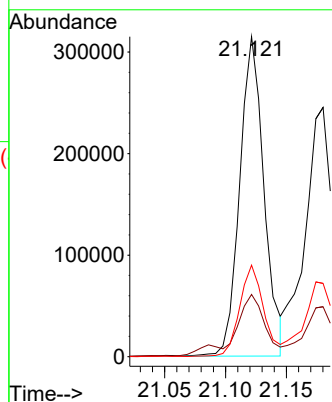
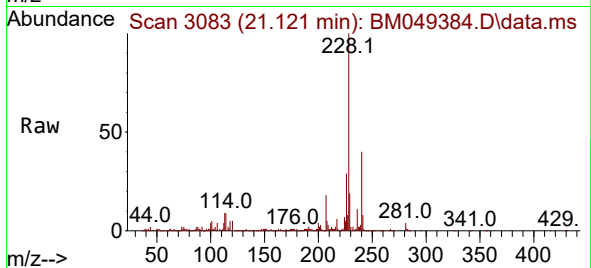
Tgt Ion:228 Resp: 436541

Ion Ratio Lower Upper

228 100

229 19.4 15.8 23.6

226 28.6 22.1 33.1



#87

Chrysene

Concen: 6.228 ng/ul

RT: 21.180 min Scan# 3093

Delta R.T. -0.006 min

Lab File: BM049384.D

Acq: 22 Jan 2025 15:33

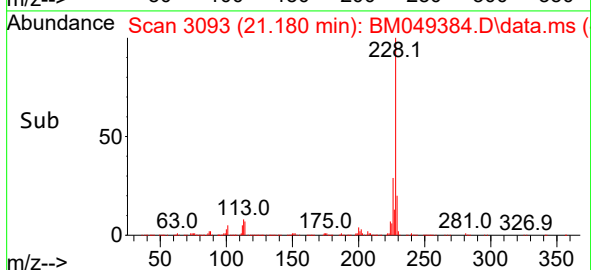
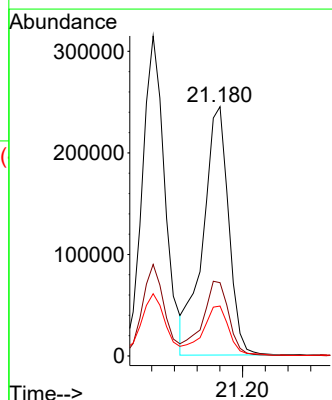
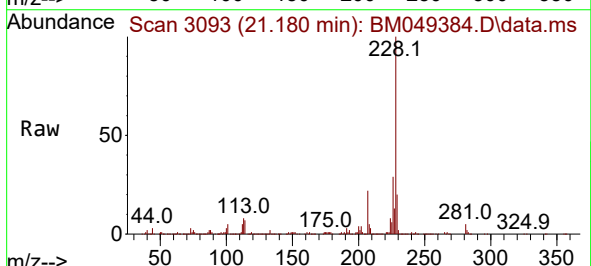
Tgt Ion:228 Resp: 384395

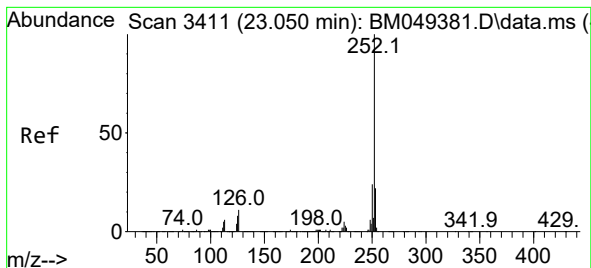
Ion Ratio Lower Upper

228 100

226 29.4 24.3 36.5

229 20.0 16.0 24.0





#90

Benzo(b)fluoranthene

Concen: 2.778 ng/ul

RT: 23.045 min Scan# 3410

Delta R.T. -0.011 min

Lab File: BM049384.D

Acq: 22 Jan 2025 15:33

Instrument :

BNA\_M

ClientSampleId :

DCZH1

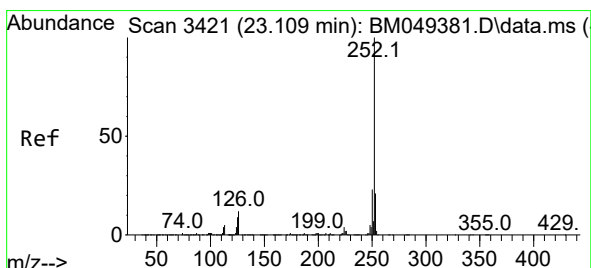
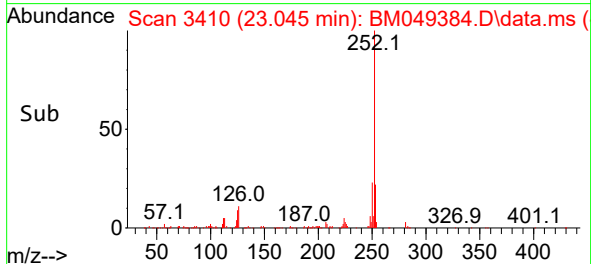
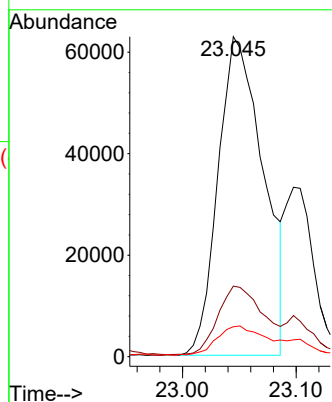
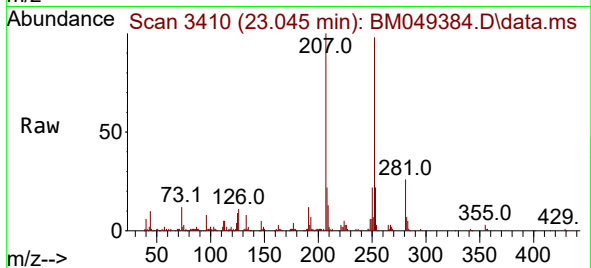
Tgt Ion:252 Resp: 173813

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 9.3 6.6 9.8



#91

Benzo(k)fluoranthene

Concen: 2.786 ng/ul

RT: 23.045 min Scan# 3410

Delta R.T. -0.070 min

Lab File: BM049384.D

Acq: 22 Jan 2025 15:33

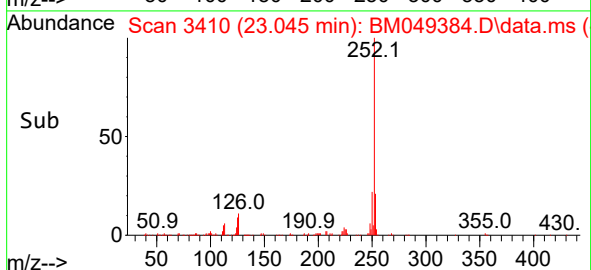
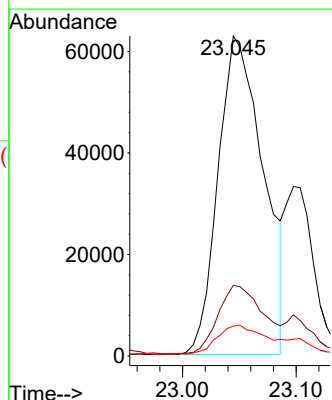
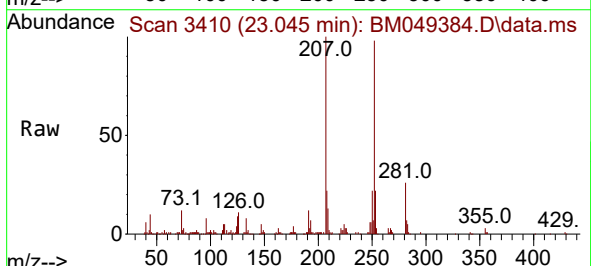
Tgt Ion:252 Resp: 173813

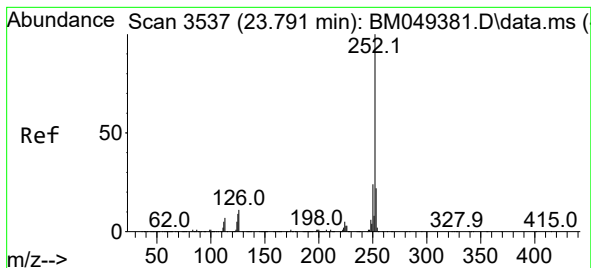
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 9.3 6.5 9.7





#93

Benzo(a)pyrene

Concen: 1.568 ng/ul

RT: 23.786 min Scan# 3

Delta R.T. -0.011 min

Lab File: BM049384.D

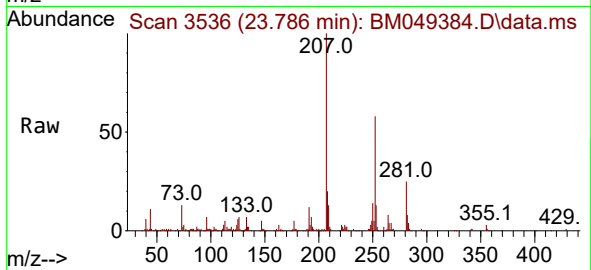
Acq: 22 Jan 2025 15:33

Instrument :

BNA\_M

ClientSampleId :

DCZH1



Tgt Ion:252 Resp: 88631

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.2

125 10.8 6.9 10.3#

