

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101724\  
 Data File : BM048116.D  
 Acq On : 17 Oct 2024 21:42  
 Operator : RC/JU  
 Sample : P4380-07  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 E27H9

Quant Time: Oct 17 23:32:51 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM101724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 17 15:44:59 2024  
 Response via : Initial Calibration

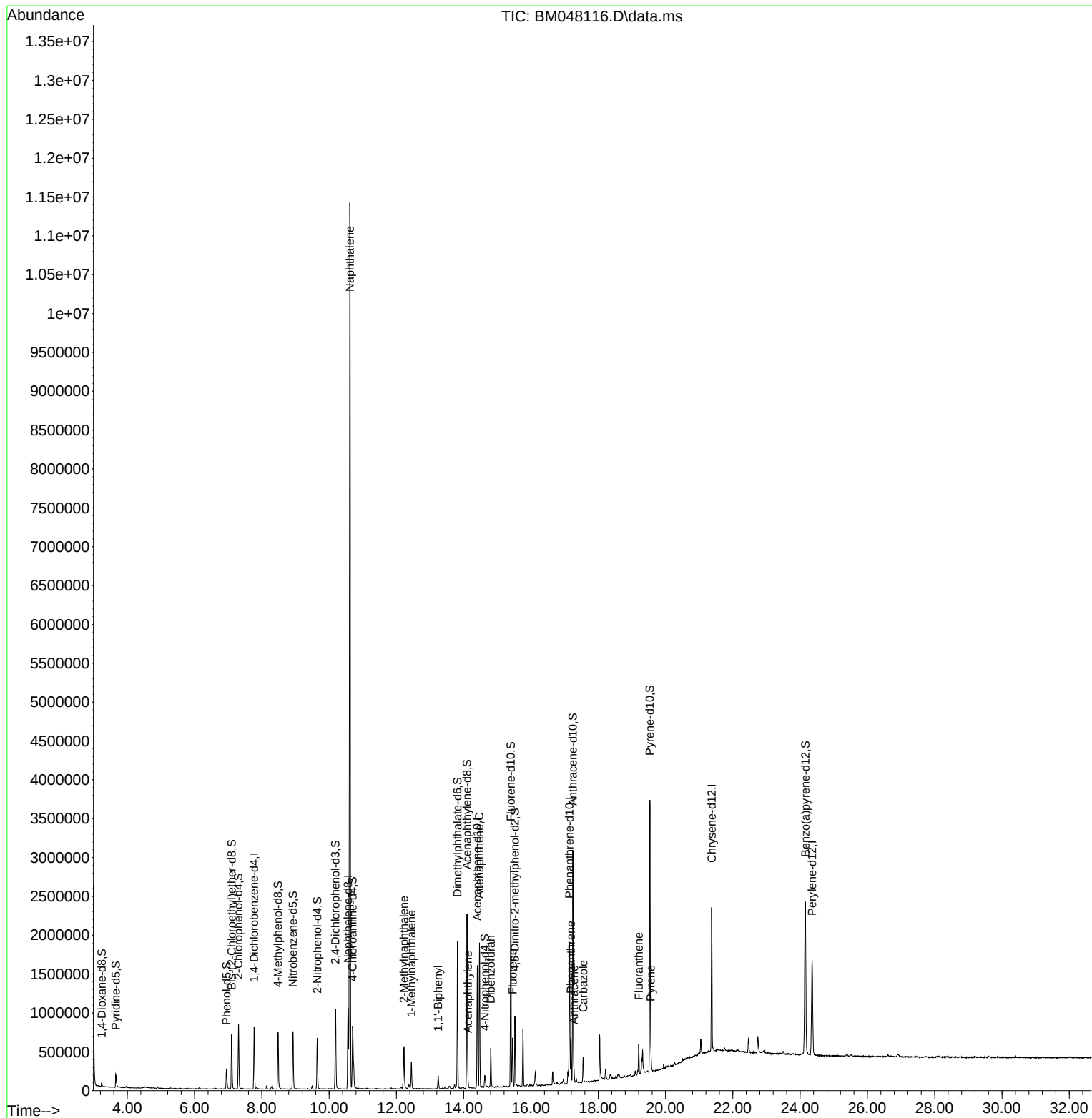
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.769  | 152  | 240614   | 20.000  | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.563 | 136  | 957179   | 20.000  | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.404 | 164  | 578641   | 20.000  | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.145 | 188  | 1125888  | 20.000  | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.374 | 240  | 1011637  | 20.000  | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.356 | 264  | 1141739  | 20.000  | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.240  | 96   | 30008    | 4.736   | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.657  | 84   | 113401   | 6.651   | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.945  | 99   | 172919   | 8.872   | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.104  | 67   | 316486   | 27.337  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.304  | 132  | 439930   | 26.096  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.481  | 113  | 312158   | 20.578  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.928  | 128  | 213012   | 26.372  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.645  | 143  | 239198   | 26.761  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.186 | 165  | 440995   | 28.014  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.698 | 131  | 516595   | 25.073  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.815 | 166  | 1312313  | 31.226  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.098 | 160  | 1501684  | 30.051  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.627 | 143  | 56811    | 7.314   | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.398 | 176  | 1129439  | 31.478  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.521 | 200  | 210612   | 28.921  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.245 | 188  | 1732765  | 32.451  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.533 | 212  | 1970839  | 31.882  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.156 | 264  | 1951559  | 32.002  | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 30) Naphthalene               | 10.616 | 128  | 10500847 | 198.463 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.227 | 142  | 267373   | 7.764   | ng/u1  | 98       |
| 37) 1-Methylnaphthalene       | 12.445 | 142  | 168164   | 4.849   | ng/u1  | 97       |
| 43) 1,1'-Biphenyl             | 13.239 | 154  | 86676    | 1.940   | ng/u1  | 98       |
| 50) Acenaphthylene            | 14.127 | 152  | 60336    | 1.116   | ng/u1  | 98       |
| 52) Acenaphthene              | 14.468 | 153  | 781067   | 20.883  | ng/u1  | 99       |
| 56) Dibenzofuran              | 14.804 | 168  | 342133   | 6.686   | ng/u1  | 97       |
| 61) Fluorene                  | 15.457 | 166  | 300314   | 7.509   | ng/u1  | 99       |
| 72) Phenanthrene              | 17.186 | 178  | 350537   | 5.692   | ng/u1  | 100      |
| 74) Anthracene                | 17.280 | 178  | 103041   | 1.667   | ng/u1  | 99       |
| 77) Carbazole                 | 17.551 | 167  | 236117   | 4.313   | ng/u1  | 99       |
| 80) Fluoranthene              | 19.203 | 202  | 245654   | 3.415   | ng/u1  | 100      |
| 82) Pyrene                    | 19.562 | 202  | 165121   | 2.155   | ng/u1  | 99       |
| -----                         |        |      |          |         |        |          |

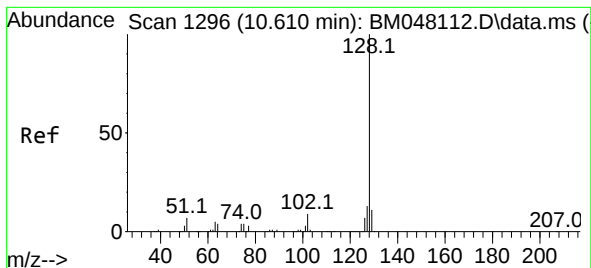
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 17 15:44:59 2024  
Response via : Initial Calibration





#30

Naphthalene

Concen: 198.463 ng/ul

RT: 10.616 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM048116.D

Acq: 17 Oct 2024 21:42

Instrument :

BNA\_M

ClientSampleId :

E27H9

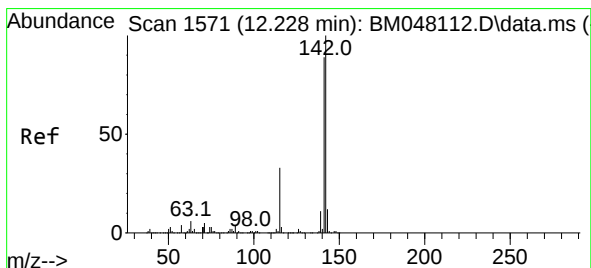
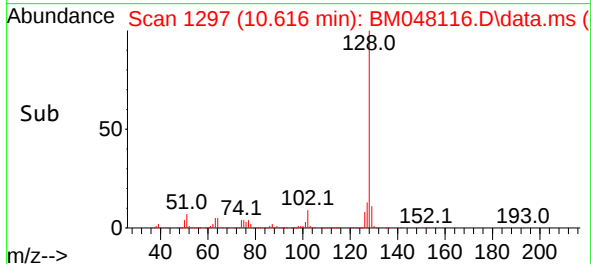
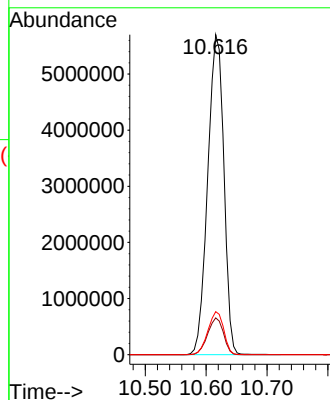
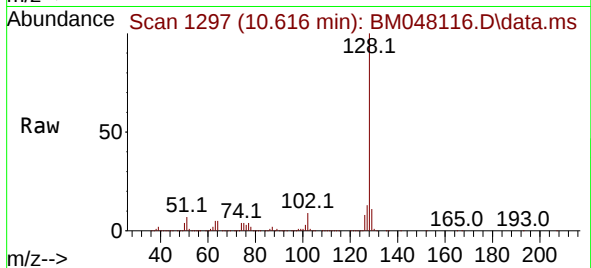
Tgt Ion:128 Resp:10500847

Ion Ratio Lower Upper

128 100

129 11.5 8.7 13.1

127 13.5 10.3 15.5



#36

2-Methylnaphthalene

Concen: 7.764 ng/ul

RT: 12.227 min Scan# 1571

Delta R.T. -0.000 min

Lab File: BM048116.D

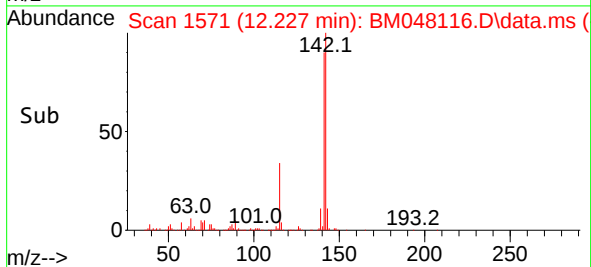
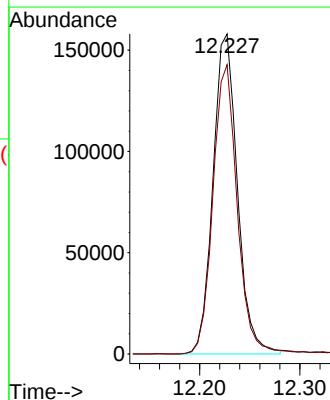
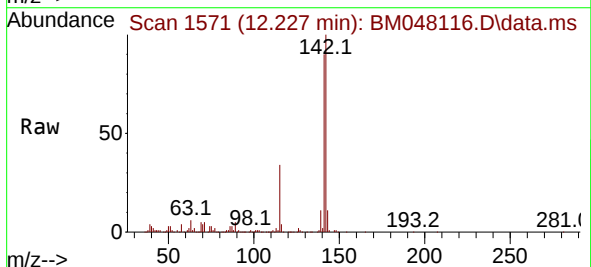
Acq: 17 Oct 2024 21:42

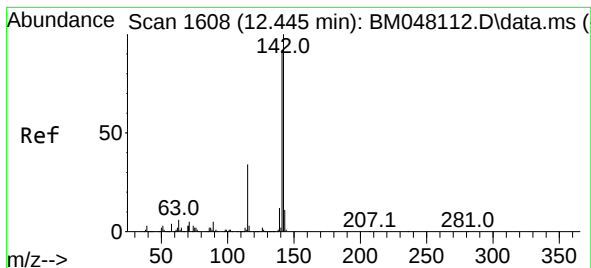
Tgt Ion:142 Resp: 267373

Ion Ratio Lower Upper

142 100

141 90.4 71.1 106.7





#37

1-Methylnaphthalene

Concen: 4.849 ng/ul

RT: 12.445 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM048116.D

Acq: 17 Oct 2024 21:42

Instrument :

BNA\_M

ClientSampleId :

E27H9

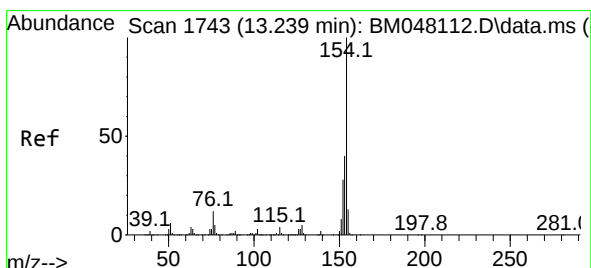
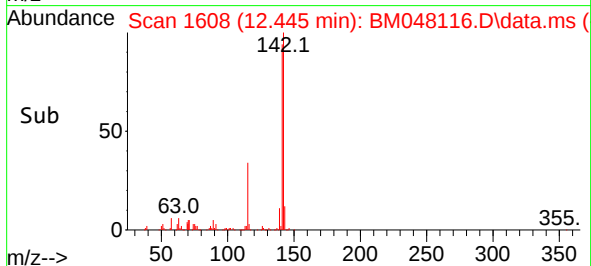
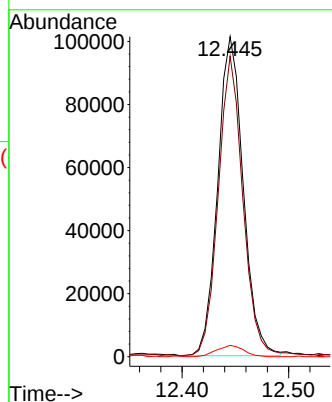
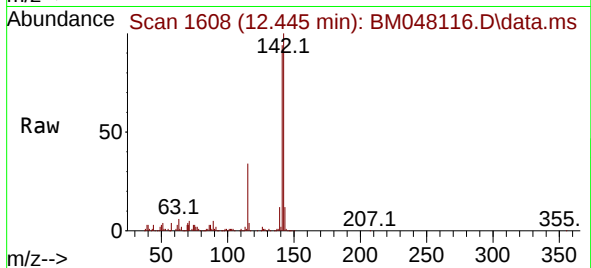
Tgt Ion:142 Resp: 168164

Ion Ratio Lower Upper

142 100

141 93.9 72.8 109.2

116 3.5 2.7 4.1



#43

1,1'-Biphenyl

Concen: 1.940 ng/ul

RT: 13.239 min Scan# 1743

Delta R.T. -0.000 min

Lab File: BM048116.D

Acq: 17 Oct 2024 21:42

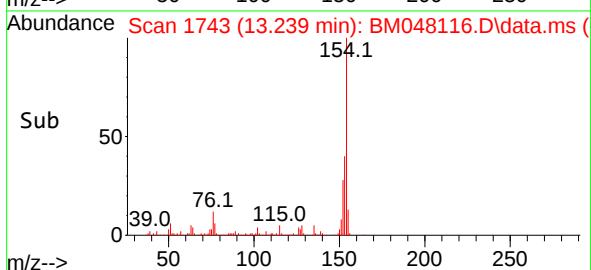
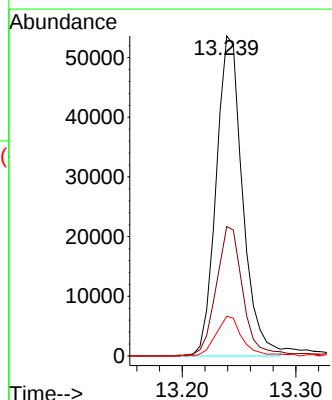
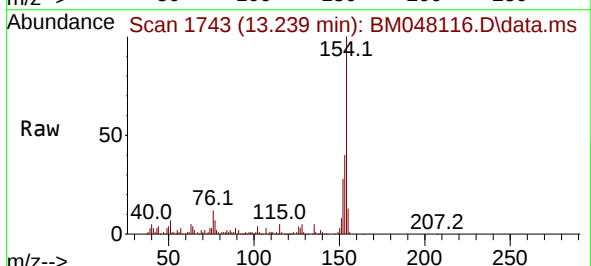
Tgt Ion:154 Resp: 86676

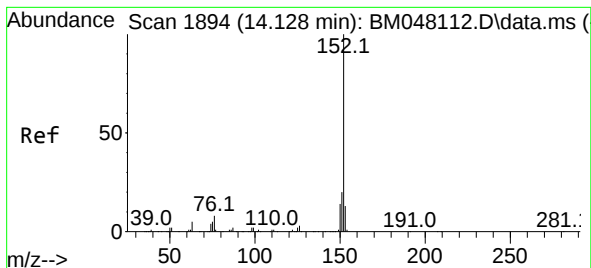
Ion Ratio Lower Upper

154 100

153 40.5 31.5 47.3

76 12.4 9.6 14.4





#50

Acenaphthylene

Concen: 1.116 ng/ul

RT: 14.127 min Scan# 1894

Delta R.T. -0.000 min

Lab File: BM048116.D

Acq: 17 Oct 2024 21:42

Instrument :

BNA\_M

ClientSampleId :

E27H9

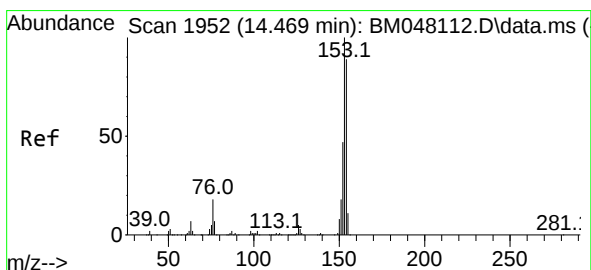
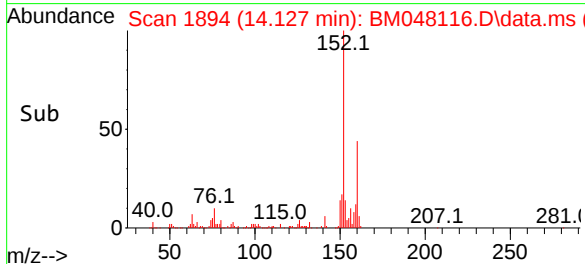
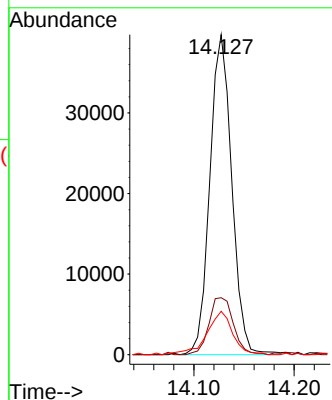
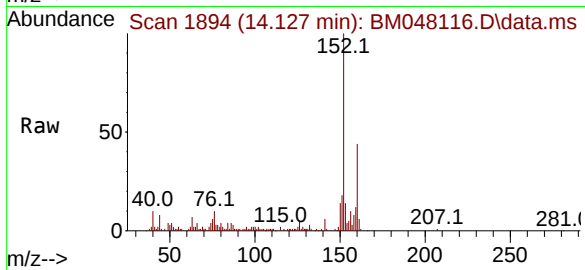
Tgt Ion:152 Resp: 60336

Ion Ratio Lower Upper

152 100

151 17.8 15.4 23.0

153 13.6 10.6 15.8



#52

Acenaphthene

Concen: 20.883 ng/ul

RT: 14.468 min Scan# 1952

Delta R.T. -0.006 min

Lab File: BM048116.D

Acq: 17 Oct 2024 21:42

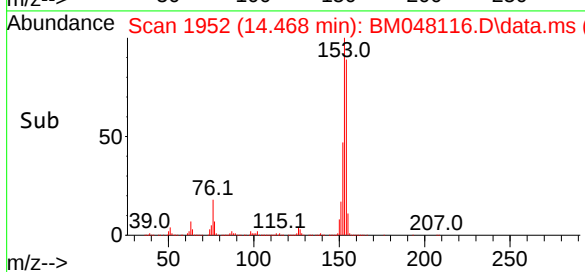
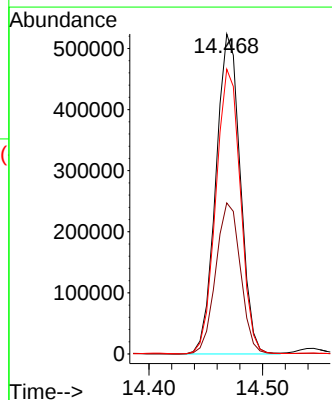
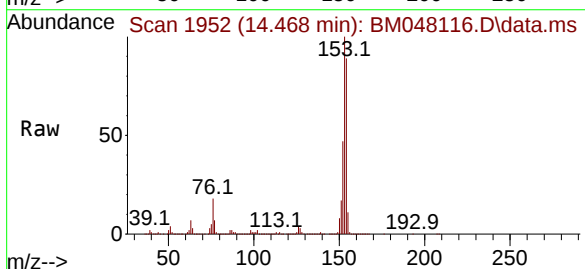
Tgt Ion:153 Resp: 781067

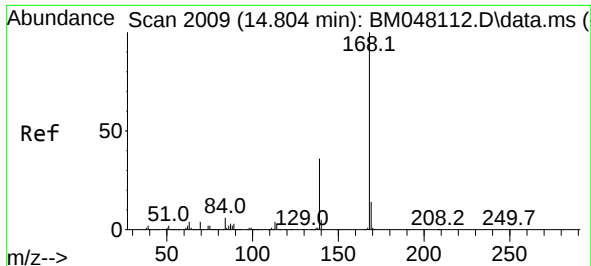
Ion Ratio Lower Upper

153 100

152 47.2 37.0 55.4

154 89.0 71.4 107.2

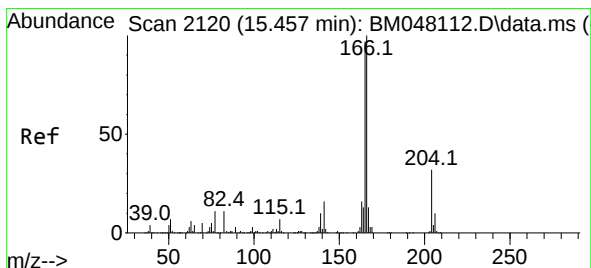
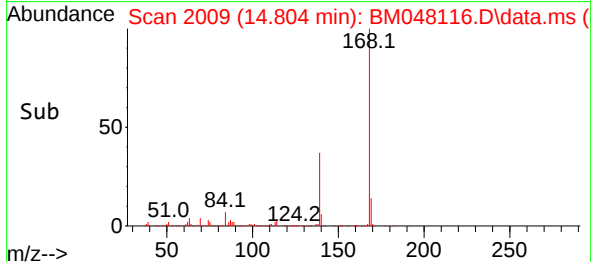
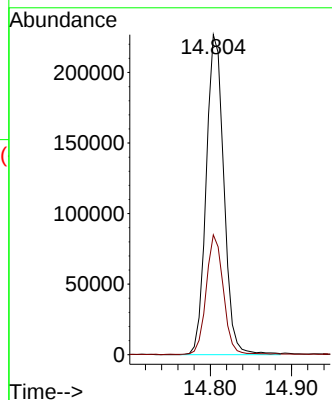
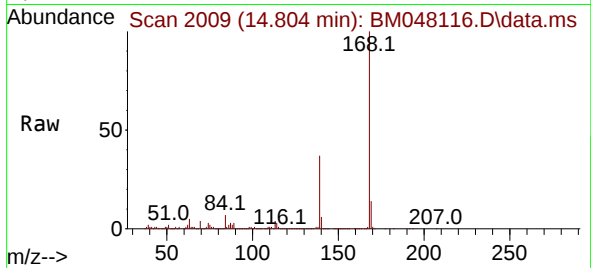




#56  
Dibenzenofuran  
Concen: 6.686 ng/ul  
RT: 14.804 min Scan# 2009  
Delta R.T. -0.006 min  
Lab File: BM048116.D  
Acq: 17 Oct 2024 21:42

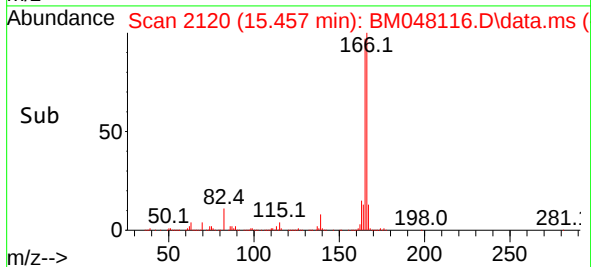
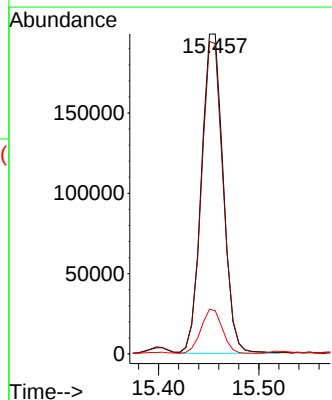
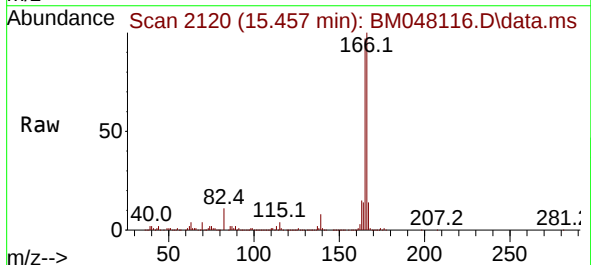
Instrument :  
BNA\_M  
ClientSampleId :  
E27H9

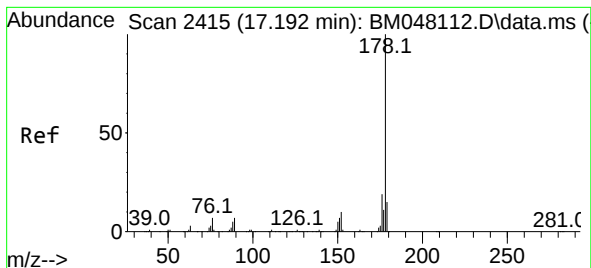
Tgt Ion:168 Resp: 342133  
Ion Ratio Lower Upper  
168 100  
139 37.5 28.4 42.6



#61  
Fluorene  
Concen: 7.509 ng/ul  
RT: 15.457 min Scan# 2120  
Delta R.T. -0.000 min  
Lab File: BM048116.D  
Acq: 17 Oct 2024 21:42

Tgt Ion:166 Resp: 300314  
Ion Ratio Lower Upper  
166 100  
165 97.0 78.2 117.2  
167 13.6 10.8 16.2





#72

Phenanthrene

Concen: 5.692 ng/ul

RT: 17.186 min Scan# 2415

Delta R.T. -0.006 min

Lab File: BM048116.D

Acq: 17 Oct 2024 21:42

Instrument :

BNA\_M

ClientSampleId :

E27H9

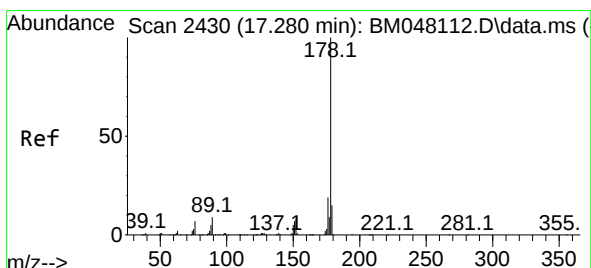
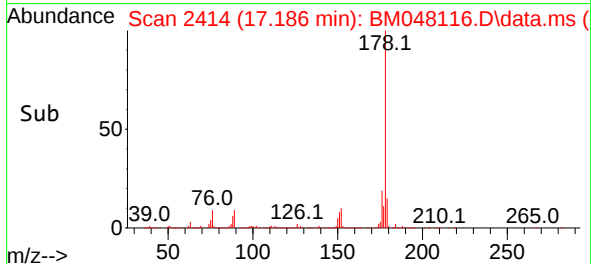
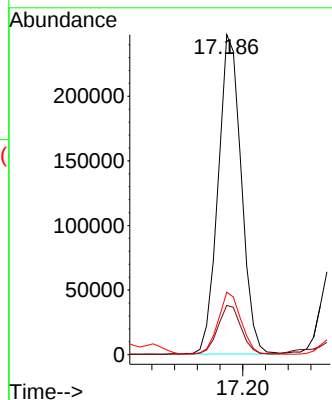
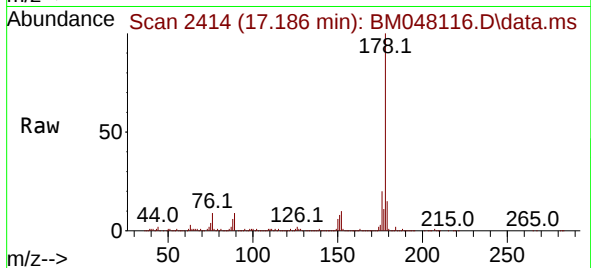
Tgt Ion:178 Resp: 350537

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

176 19.5 15.6 23.4



#74

Anthracene

Concen: 1.667 ng/ul

RT: 17.280 min Scan# 2430

Delta R.T. -0.000 min

Lab File: BM048116.D

Acq: 17 Oct 2024 21:42

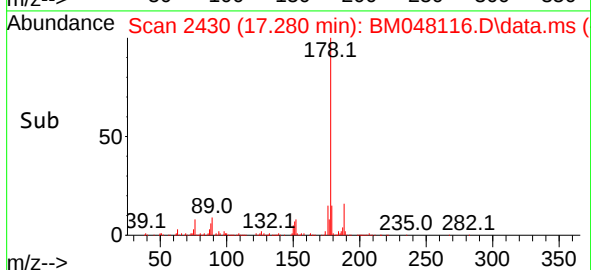
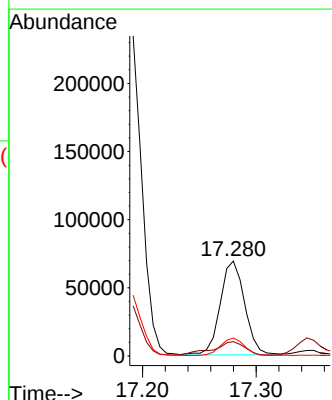
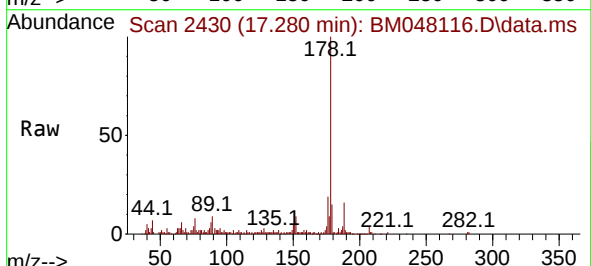
Tgt Ion:178 Resp: 103041

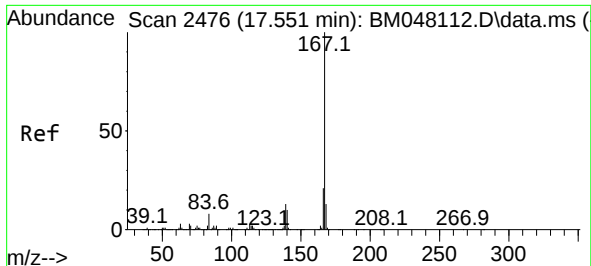
Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

176 18.9 14.8 22.2

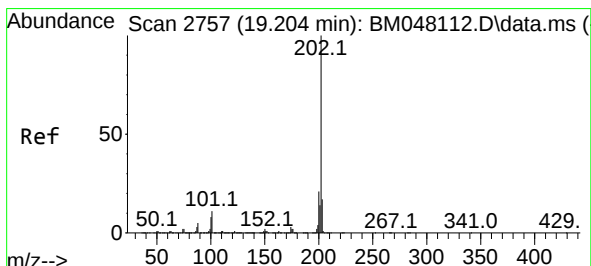
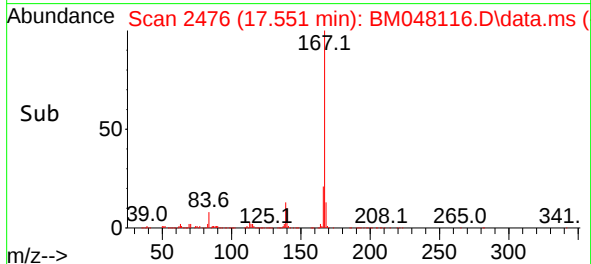
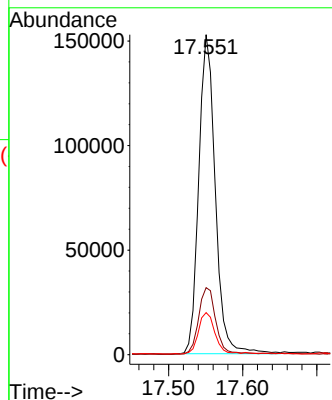
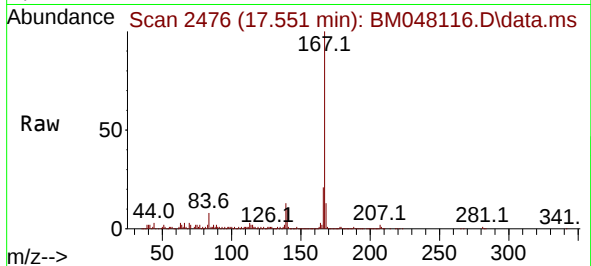




#77  
 Carbazole  
 Concen: 4.313 ng/ul  
 RT: 17.551 min Scan# 2476  
 Delta R.T. -0.000 min  
 Lab File: BM048116.D  
 Acq: 17 Oct 2024 21:42

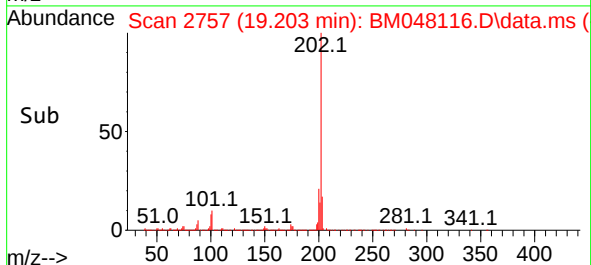
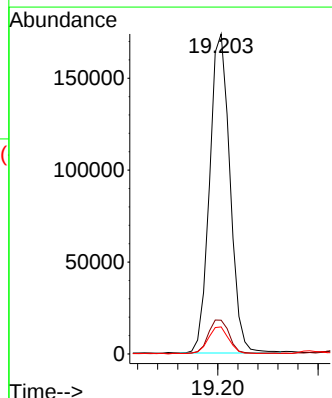
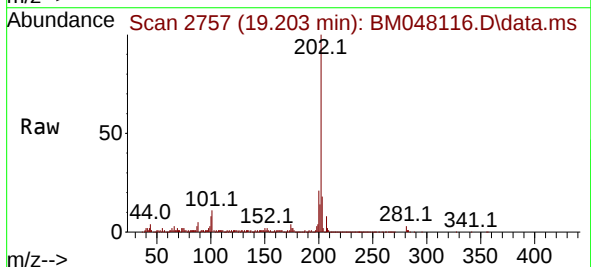
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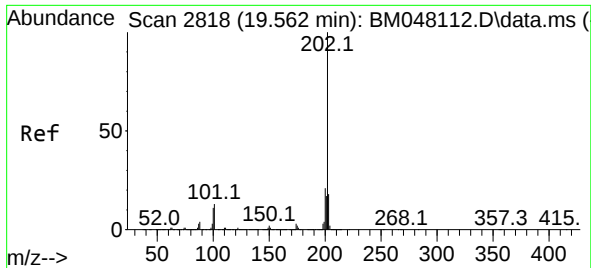
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 Ion Ratio Lower Upper  
 167 100  
 166 21.0 16.9 25.3  
 139 13.1 9.9 14.9



#80  
 Fluoranthene  
 Concen: 3.415 ng/ul  
 RT: 19.203 min Scan# 2757  
 Delta R.T. -0.000 min  
 Lab File: BM048116.D  
 Acq: 17 Oct 2024 21:42

Tgt Ion:202 Resp: 245654  
 Ion Ratio Lower Upper  
 202 100  
 101 10.5 8.6 12.8  
 100 8.5 6.6 10.0





#82  
 Pyrene  
 Concen: 2.155 ng/ul  
 RT: 19.562 min Scan# 21  
 Delta R.T. -0.000 min  
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Instrument :  
 BNA\_M  
 ClientSampleId :  
 E27H9

Tgt Ion:202 Resp: 165121  
 Ion Ratio Lower Upper  
 202 100  
 101 13.5 10.4 15.6  
 100 10.0 8.5 12.7

