

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM082923\  
 Data File : BM041607.D  
 Acq On : 31 Aug 2023 09:30  
 Operator : MA/JU  
 Sample : 04159-06  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCHJ3

Quant Time: Sep 01 02:07:55 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM082923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 30 01:50:06 2023  
 Response via : Initial Calibration

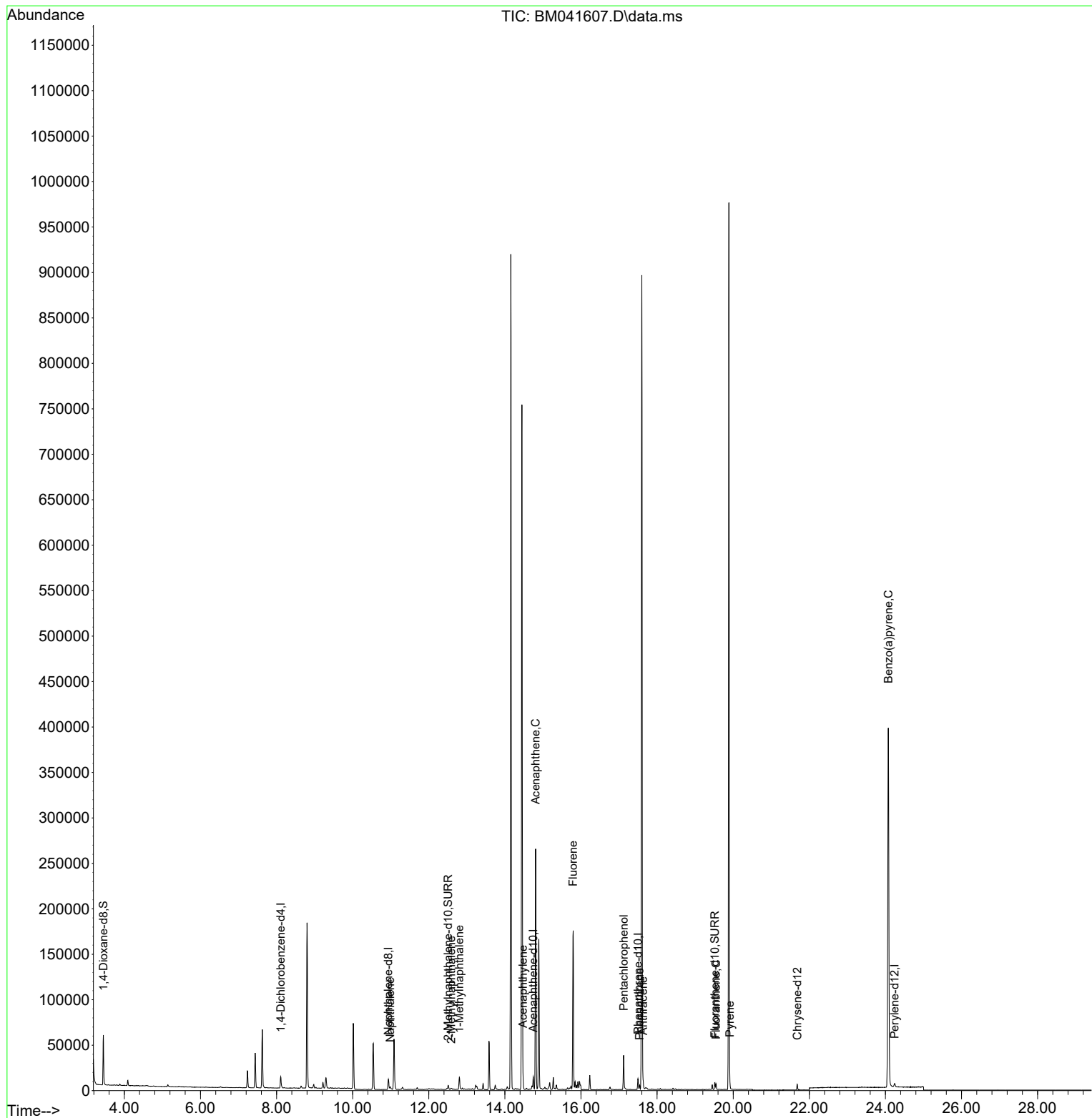
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.110  | 152  | 6157     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.938 | 136  | 13976    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.745 | 164  | 6487     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.497 | 188  | 12417    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.682 | 240  | 4597     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.243 | 264  | 5522     | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.448  | 96   | 29427    | 3.238 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.511 | 152  | 4426     | 0.263 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.520 | 212  | 6347     | 0.280 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.988 | 128  | 3880     | 0.087 | ng/ul# | 87       |
| 7) 2-Methylnaphthalene      | 12.588 | 142  | 665      | 0.026 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.803 | 142  | 8013     | 0.313 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.476 | 152  | 11713    | 0.259 | ng/ul  | 98       |
| 11) Acenaphthene            | 14.809 | 153  | 146270   | 4.690 | ng/ul  | 98       |
| 12) Fluorene                | 15.795 | 166  | 107540   | 3.168 | ng/ul  | 96       |
| 14) Pentachlorophenol       | 17.122 | 266  | 23819    | 4.992 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.540 | 178  | 5596     | 0.103 | ng/ul  | 94       |
| 16) Anthracene              | 17.633 | 178  | 8225     | 0.175 | ng/ul  | 95       |
| 19) Fluoranthene            | 19.547 | 202  | 5195     | 0.086 | ng/ul# | 94       |
| 20) Pyrene                  | 19.915 | 202  | 2158     | 0.036 | ng/ul# | 79       |
| 26) Benzo(a)pyrene          | 24.076 | 252  | 4410     | 0.096 | ng/ul# | 54       |
| -----                       |        |      |          |       |        |          |

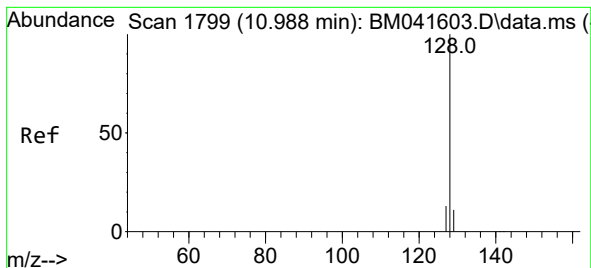
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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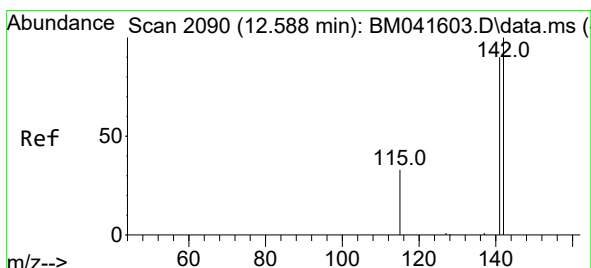
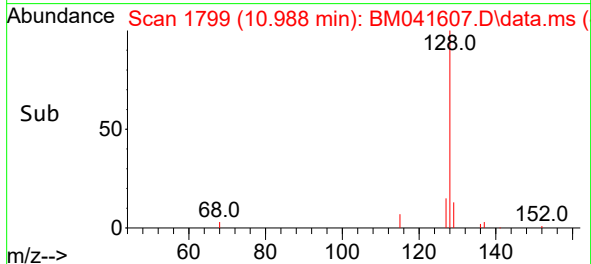
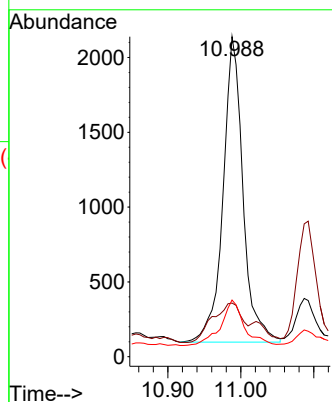
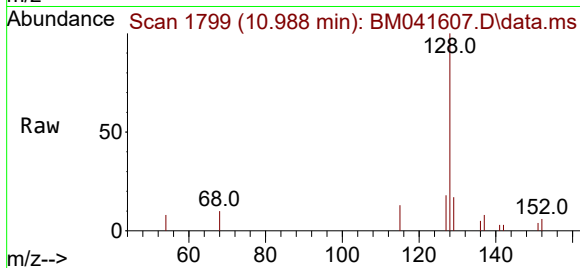




#5  
Naphthalene  
Concen: 0.087 ng/ul  
RT: 10.988 min Scan# 1799  
Delta R.T. -0.011 min  
Lab File: BM041607.D  
Acq: 31 Aug 2023 09:30

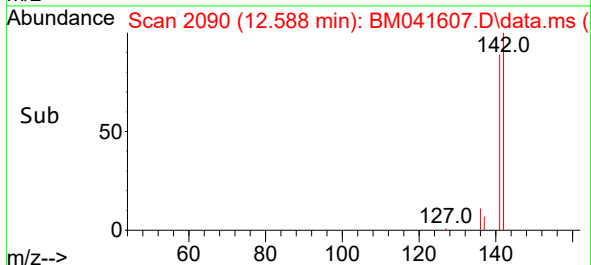
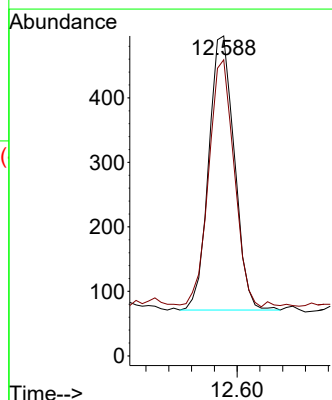
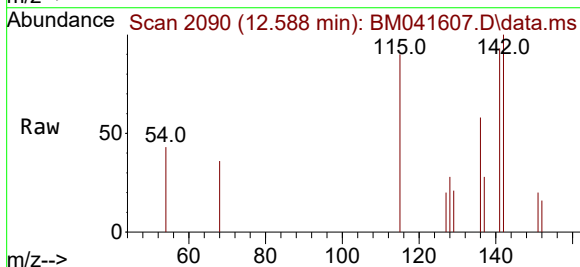
Instrument :  
BNA\_M  
ClientSampleId :  
DCHJ3

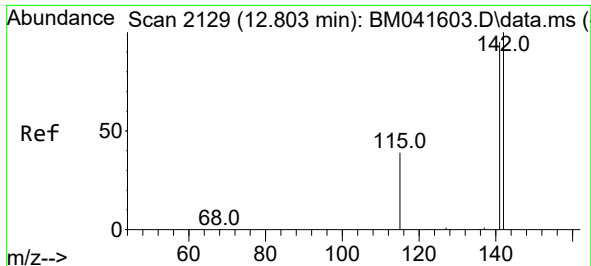
Tgt Ion:128 Resp: 3880  
Ion Ratio Lower Upper  
128 100  
129 16.7 9.1 13.7#  
127 17.7 10.6 15.8#



#7  
2-Methylnaphthalene  
Concen: 0.026 ng/ul  
RT: 12.588 min Scan# 2090  
Delta R.T. -0.005 min  
Lab File: BM041607.D  
Acq: 31 Aug 2023 09:30

Tgt Ion:142 Resp: 665  
Ion Ratio Lower Upper  
142 100  
141 89.5 71.8 107.8

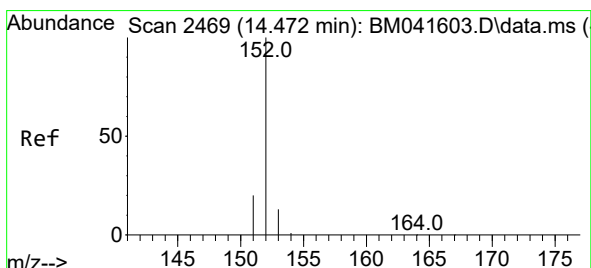
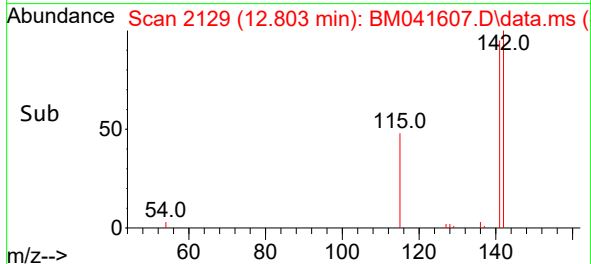
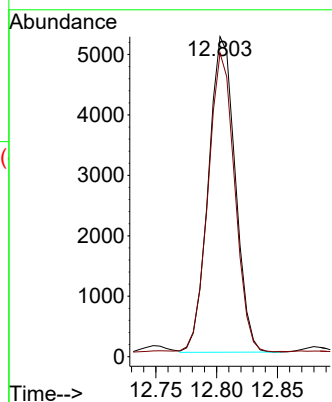
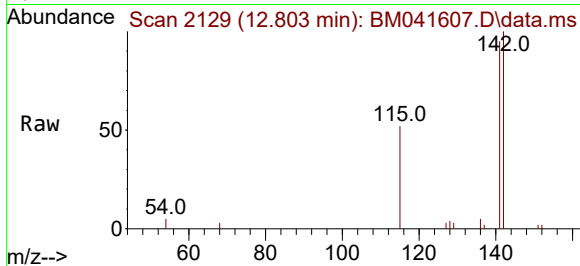




#8  
1-Methylnaphthalene  
Concen: 0.313 ng/ul  
RT: 12.803 min Scan# 2129  
Delta R.T. -0.011 min  
Lab File: BM041607.D  
Acq: 31 Aug 2023 09:30

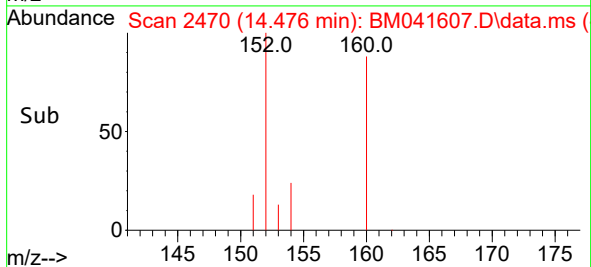
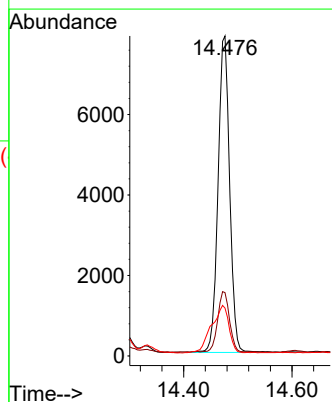
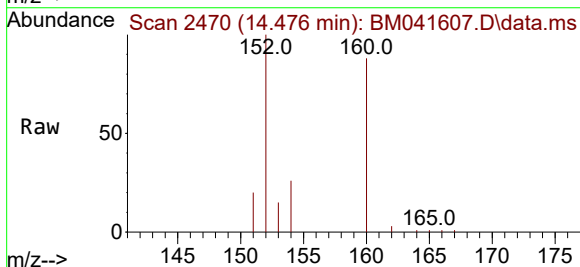
Instrument :  
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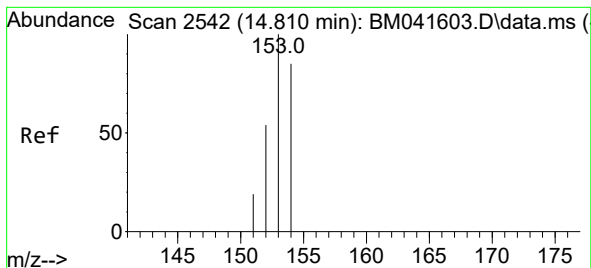
Tgt Ion:142 Resp: 8013  
Ion Ratio Lower Upper  
142 100  
141 93.4 74.2 111.2



#10  
Acenaphthylene  
Concen: 0.259 ng/ul  
RT: 14.476 min Scan# 2470  
Delta R.T. -0.005 min  
Lab File: BM041607.D  
Acq: 31 Aug 2023 09:30

Tgt Ion:152 Resp: 11713  
Ion Ratio Lower Upper  
152 100  
151 19.8 15.9 23.9  
153 15.0 10.6 15.8





#11

Acenaphthene

Concen: 4.690 ng/ul

RT: 14.809 min Scan# 21

Delta R.T. -0.009 min

Lab File: BM041607.D

Acq: 31 Aug 2023 09:30

Instrument :

BNA\_M

ClientSampleId :

DCHJ3

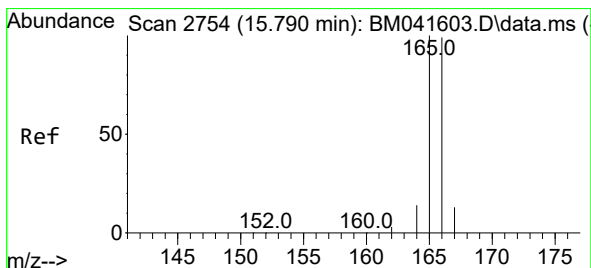
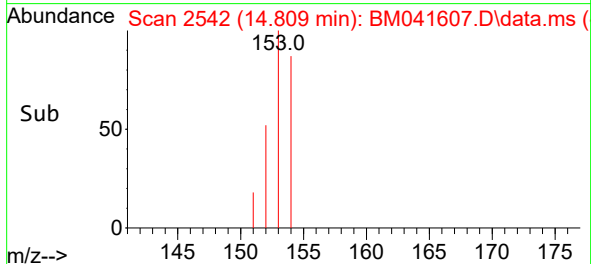
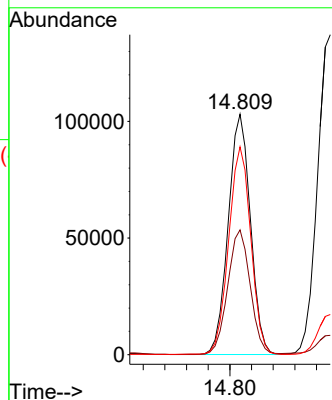
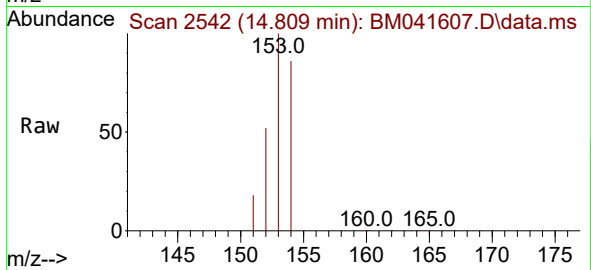
Tgt Ion:153 Resp: 146270

Ion Ratio Lower Upper

153 100

152 51.9 43.4 65.2

154 86.5 70.2 105.2



#12

Fluorene

Concen: 3.168 ng/ul

RT: 15.795 min Scan# 2755

Delta R.T. -0.005 min

Lab File: BM041607.D

Acq: 31 Aug 2023 09:30

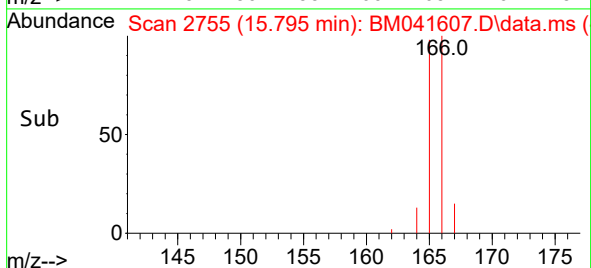
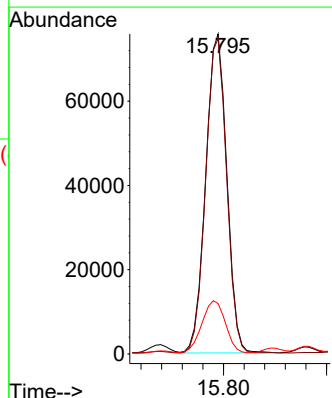
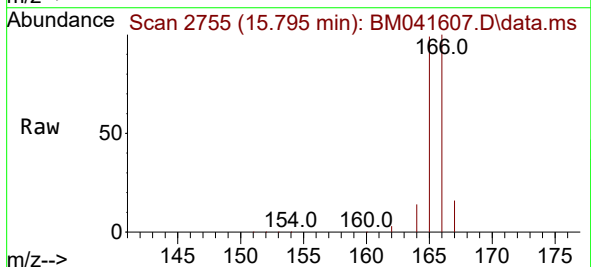
Tgt Ion:166 Resp: 107540

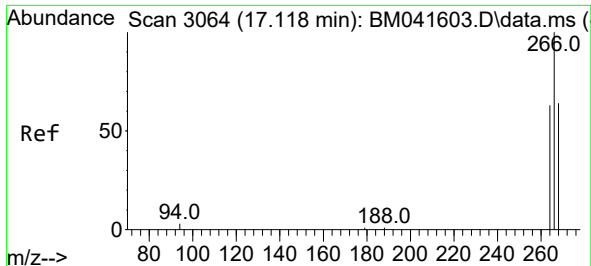
Ion Ratio Lower Upper

166 100

165 98.6 82.2 123.2

167 15.8 11.5 17.3

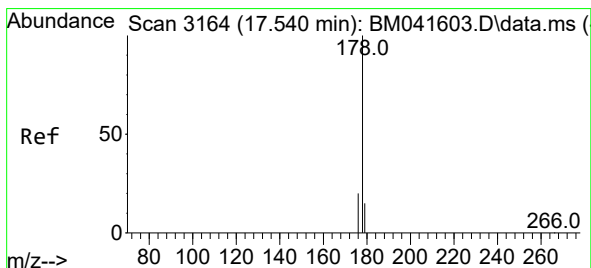
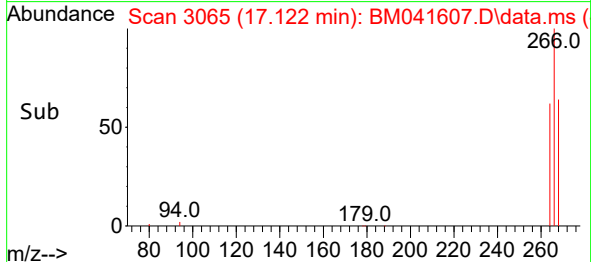
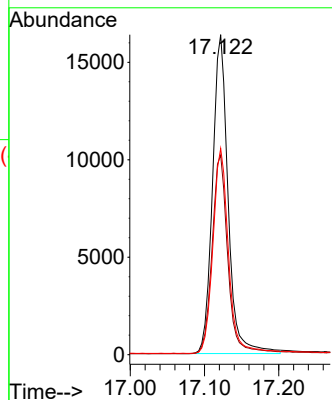
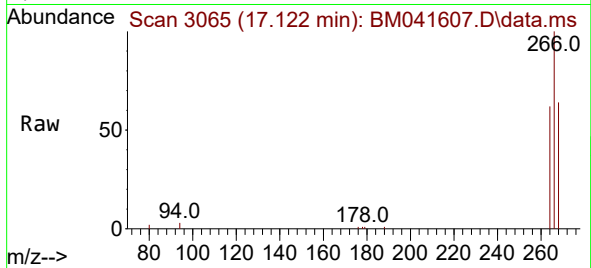




#14  
 Pentachlorophenol  
 Concen: 4.992 ng/ul  
 RT: 17.122 min Scan# 3065  
 Delta R.T. -0.004 min  
 Lab File: BM041607.D  
 Acq: 31 Aug 2023 09:30

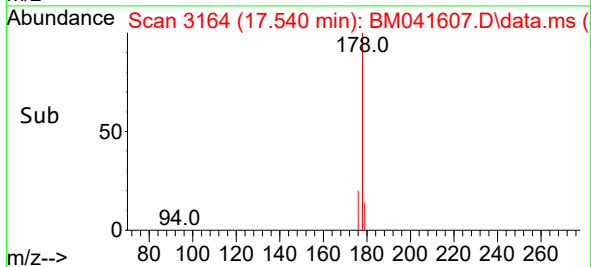
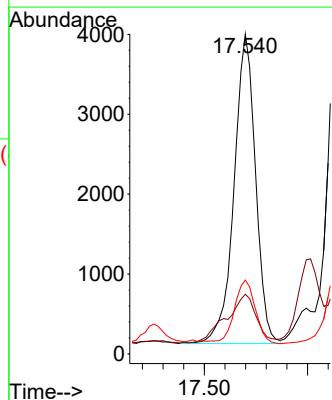
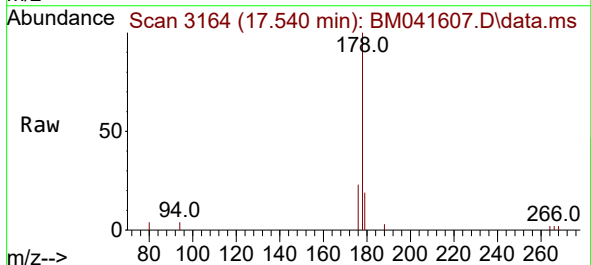
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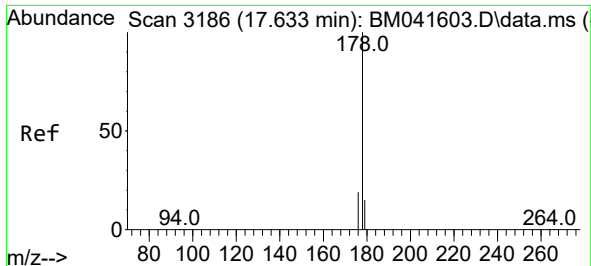
Tgt Ion:266 Resp: 23819  
 Ion Ratio Lower Upper  
 266 100  
 264 62.7 49.3 73.9  
 268 64.4 50.2 75.4



#15  
 Phenanthrene  
 Concen: 0.103 ng/ul  
 RT: 17.540 min Scan# 3164  
 Delta R.T. -0.008 min  
 Lab File: BM041607.D  
 Acq: 31 Aug 2023 09:30

Tgt Ion:178 Resp: 5596  
 Ion Ratio Lower Upper  
 178 100  
 179 18.7 12.6 19.0  
 176 23.1 16.2 24.4

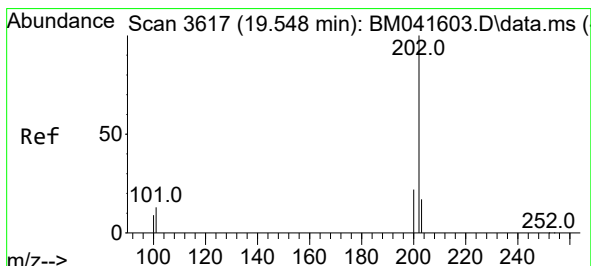
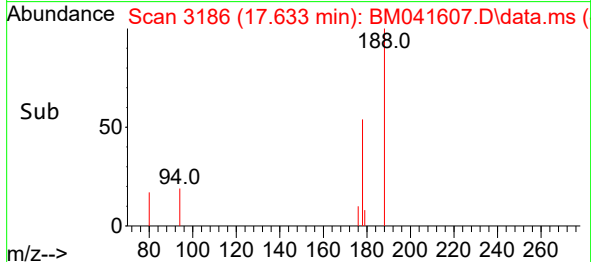
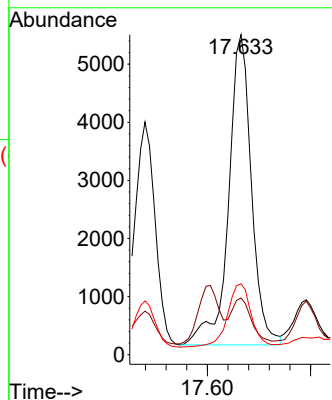
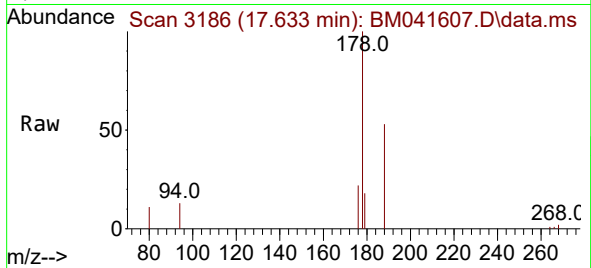




#16  
 Anthracene  
 Concen: 0.175 ng/ul  
 RT: 17.633 min Scan# 3186  
 Delta R.T. -0.008 min  
 Lab File: BM041607.D  
 Acq: 31 Aug 2023 09:30

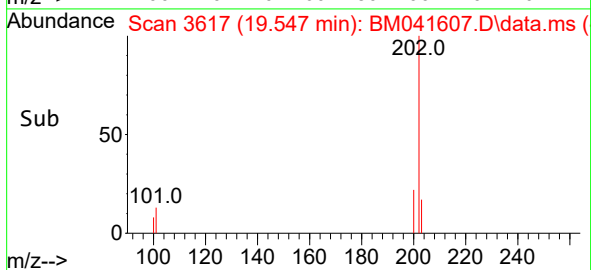
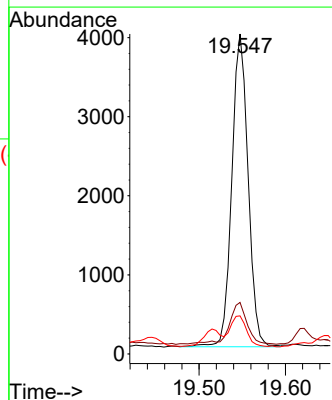
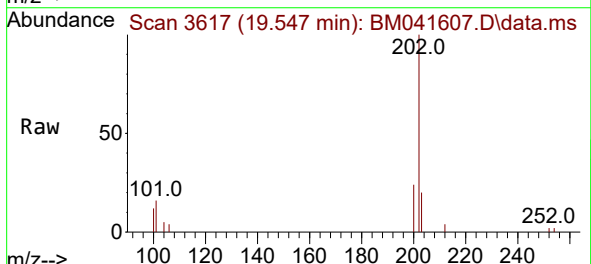
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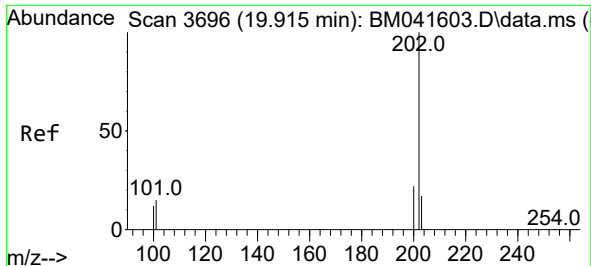
Tgt Ion:178 Resp: 8225  
 Ion Ratio Lower Upper  
 178 100  
 179 17.7 12.9 19.3  
 176 22.1 15.6 23.4



#19  
 Fluoranthene  
 Concen: 0.086 ng/ul  
 RT: 19.547 min Scan# 3617  
 Delta R.T. -0.009 min  
 Lab File: BM041607.D  
 Acq: 31 Aug 2023 09:30

Tgt Ion:202 Resp: 5195  
 Ion Ratio Lower Upper  
 202 100  
 101 16.1 10.7 16.1#  
 100 11.9 8.1 12.1

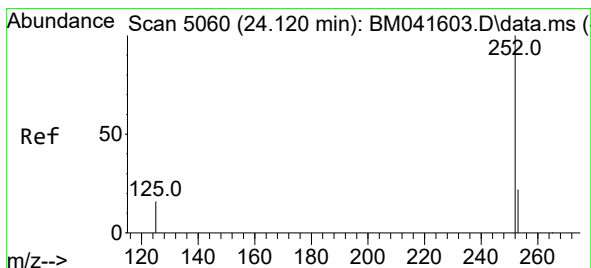
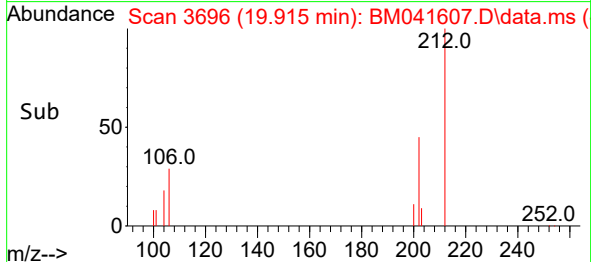
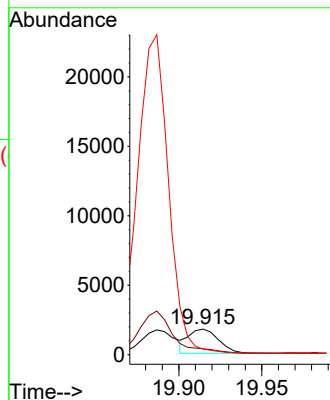
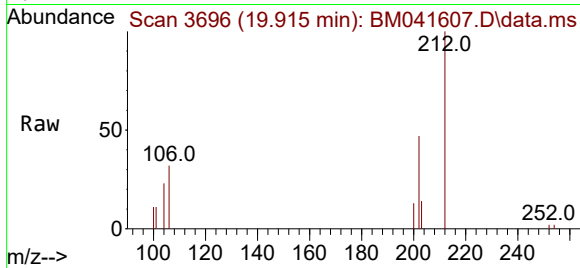




#20  
Pyrene  
Concen: 0.036 ng/ul  
RT: 19.915 min Scan# 30  
Delta R.T. -0.009 min  
Lab File: BM041607.D  
Acq: 31 Aug 2023 09:30

Instrument :  
BNA\_M  
ClientSampleId :  
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Tgt Ion:202 Resp: 2158  
Ion Ratio Lower Upper  
202 100  
101 22.9 12.2 18.4#  
100 22.2 9.8 14.8#



#26  
Benzo(a)pyrene  
Concen: 0.096 ng/ul  
RT: 24.076 min Scan# 5045  
Delta R.T. -0.061 min  
Lab File: BM041607.D  
Acq: 31 Aug 2023 09:30

Tgt Ion:252 Resp: 4410  
Ion Ratio Lower Upper  
252 100  
253 42.5 20.9 31.3#  
125 57.0 21.1 31.7#

