

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM053123\  
 Data File : BM040101.D  
 Acq On : 01 Jun 2023 04:57  
 Operator : CG/JU  
 Sample : SP6213  
 Misc : SFAM SIM SPIKE  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SP6213

Quant Time: Jun 01 06:00:19 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM053123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 31 18:20:24 2023  
 Response via : Initial Calibration

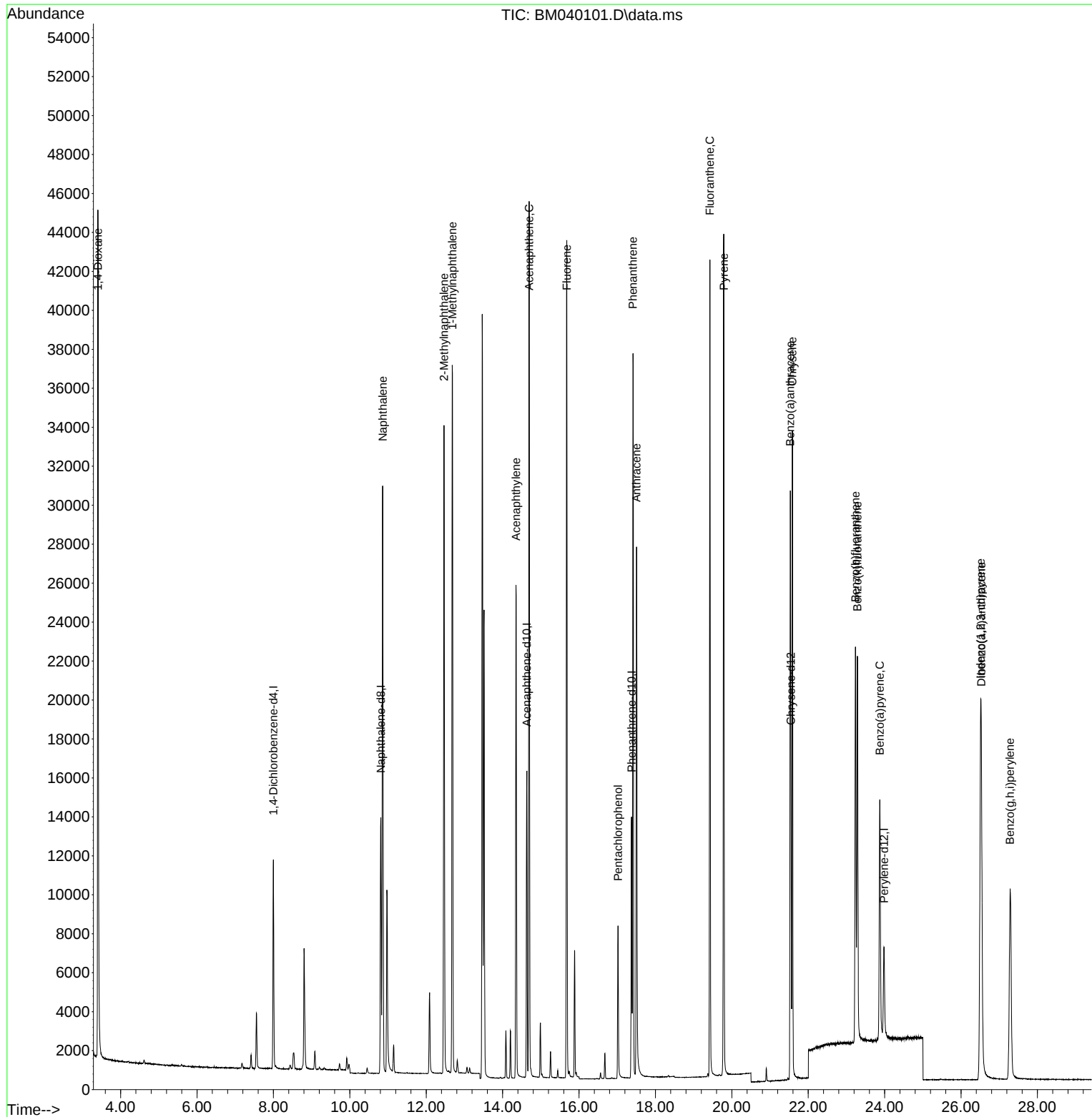
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.999  | 152  | 5392     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.811 | 136  | 17623    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.633 | 164  | 8184     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.375 | 188  | 14940    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.547 | 240  | 8641     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.985 | 264  | 6955     | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 0.000  | 96   | 0d       | 0.000 | ng/ul  |          |
| 6) 2-Methylnaphthalene-d10  | 0.000  | 152  | 0d       | 0.000 | ng/ul  |          |
| 18) Fluoranthene-d10        | 0.000  | 212  | 0d       | 0.000 | ng/ul  |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.405  | 88   | 30927    | 4.442 | ng/ul# | 53       |
| 5) Naphthalene              | 10.861 | 128  | 40532    | 0.864 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.466 | 142  | 23649    | 0.906 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.686 | 142  | 25280    | 0.928 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.350 | 152  | 28703    | 0.898 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.693 | 153  | 24978    | 0.909 | ng/ul  | 99       |
| 12) Fluorene                | 15.678 | 166  | 25994    | 0.914 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 17.020 | 266  | 5146     | 1.540 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.412 | 178  | 38135    | 0.889 | ng/ul  | 99       |
| 16) Anthracene              | 17.505 | 178  | 30874    | 0.881 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.426 | 202  | 33370    | 0.895 | ng/ul  | 98       |
| 20) Pyrene                  | 19.789 | 202  | 34308    | 0.913 | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 21.532 | 228  | 25173    | 0.888 | ng/ul  | 99       |
| 22) Chrysene                | 21.585 | 228  | 28290    | 0.921 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.236 | 252  | 26791    | 0.914 | ng/ul  | 97       |
| 25) Benzo(k)fluoranthene    | 23.286 | 252  | 25927    | 0.929 | ng/ul  | 96       |
| 26) Benzo(a)pyrene          | 23.874 | 252  | 20182    | 0.846 | ng/ul  | 94       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.511 | 276  | 26760    | 0.866 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 26.531 | 278  | 21553    | 0.882 | ng/ul  | 98       |
| 29) Benzo(g,h,i)perylene    | 27.286 | 276  | 22455    | 0.896 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

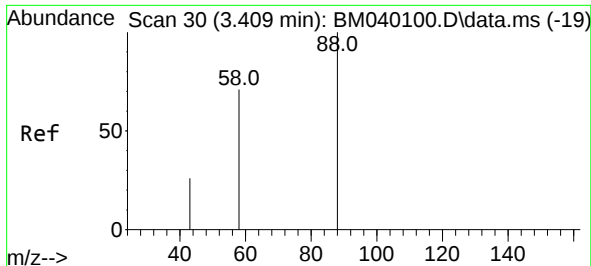
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM053123\  
Data File : BM040101.D  
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Sample : SP6213  
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Quant Time: Jun 01 06:00:19 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM053123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 31 18:20:24 2023  
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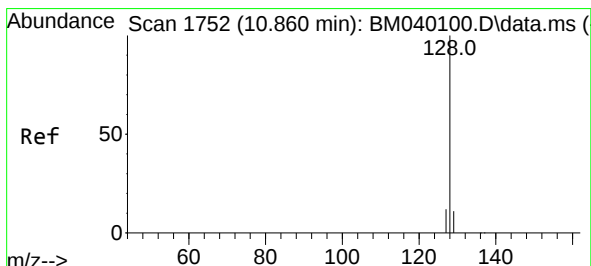
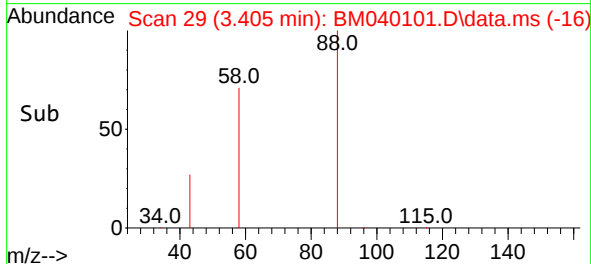
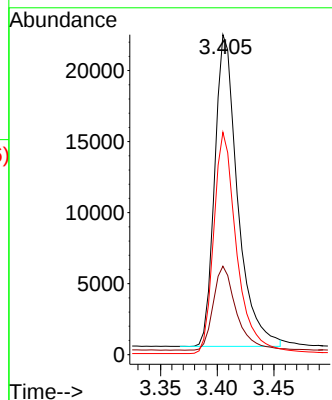
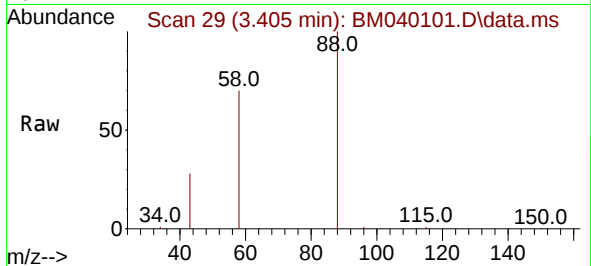




#2  
1,4-Dioxane  
Concen: 4.442 ng/ul  
RT: 3.405 min Scan# 29  
Delta R.T. -0.004 min  
Lab File: BM040101.D  
Acq: 01 Jun 2023 04:57

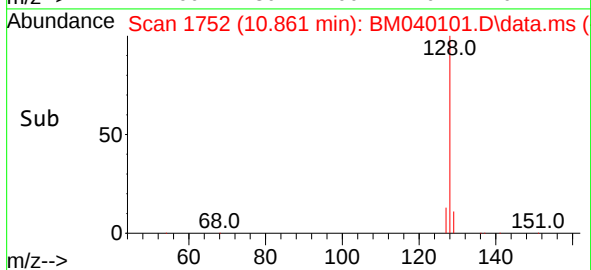
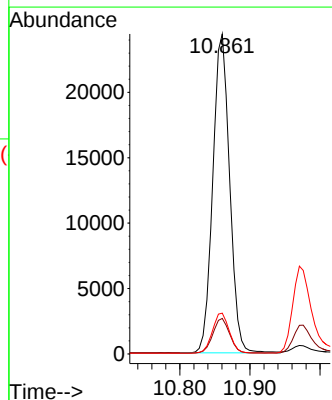
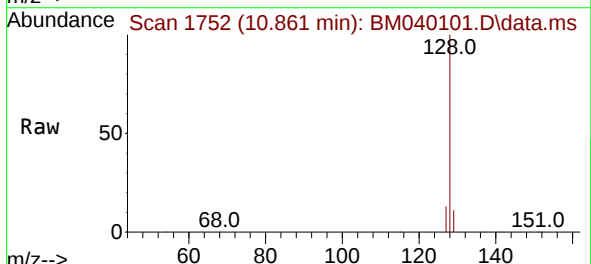
Instrument :  
BNA\_M  
ClientSampleId :  
SP6213

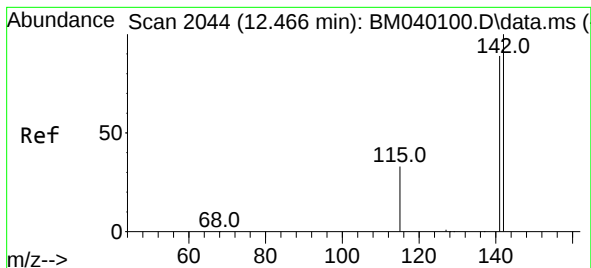
Tgt Ion: 88 Resp: 30927  
Ion Ratio Lower Upper  
88 100  
43 27.7 81.3 121.9#  
58 69.5 52.0 78.0



#5  
Naphthalene  
Concen: 0.864 ng/ul  
RT: 10.861 min Scan# 1752  
Delta R.T. 0.000 min  
Lab File: BM040101.D  
Acq: 01 Jun 2023 04:57

Tgt Ion: 128 Resp: 40532  
Ion Ratio Lower Upper  
128 100  
129 11.1 9.2 13.8  
127 12.7 10.5 15.7

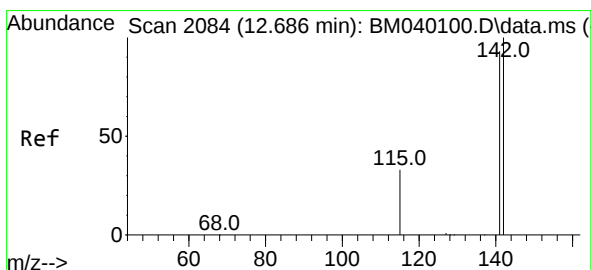
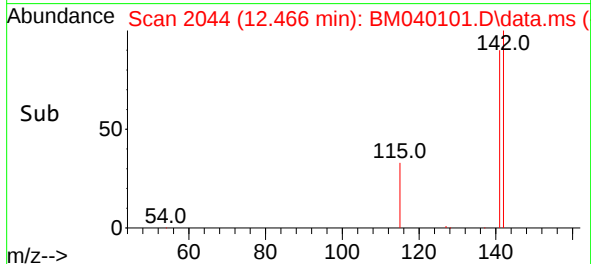
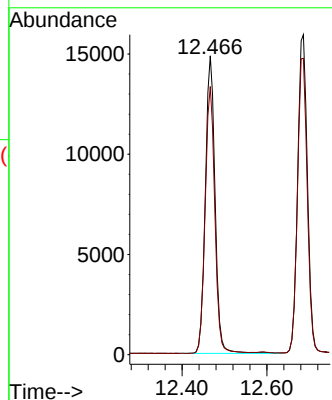
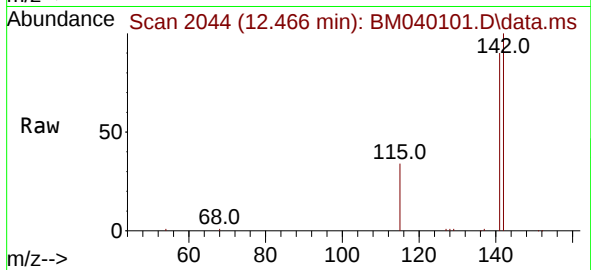




#7  
2-Methylnaphthalene  
Concen: 0.906 ng/ul  
RT: 12.466 min Scan# 2044  
Delta R.T. -0.005 min  
Lab File: BM040101.D  
Acq: 01 Jun 2023 04:57

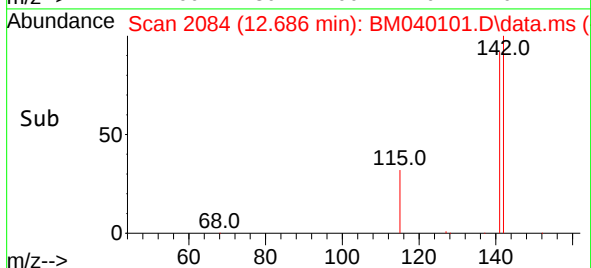
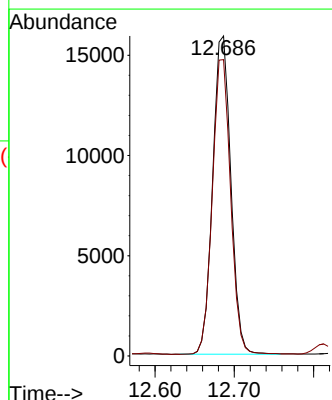
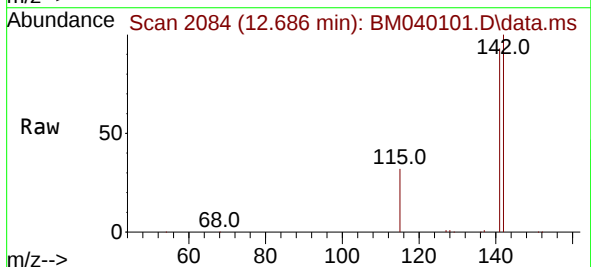
Instrument :  
BNA\_M  
ClientSampleId :  
SP6213

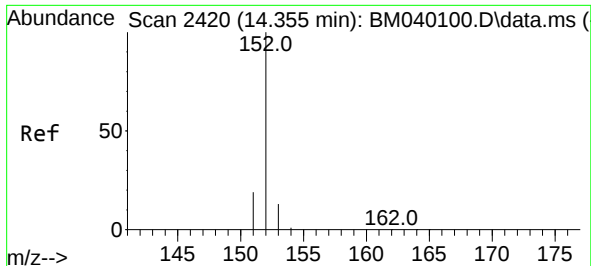
Tgt Ion:142 Resp: 23649  
Ion Ratio Lower Upper  
142 100  
141 89.2 71.8 107.8



#8  
1-Methylnaphthalene  
Concen: 0.928 ng/ul  
RT: 12.686 min Scan# 2084  
Delta R.T. 0.000 min  
Lab File: BM040101.D  
Acq: 01 Jun 2023 04:57

Tgt Ion:142 Resp: 25280  
Ion Ratio Lower Upper  
142 100  
141 93.1 74.7 112.1

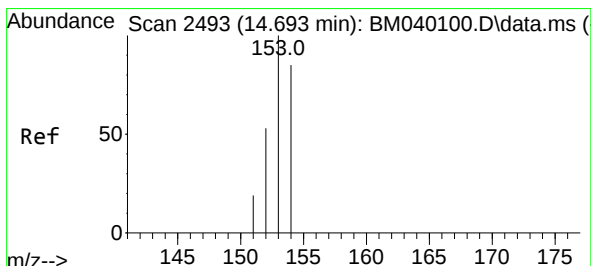
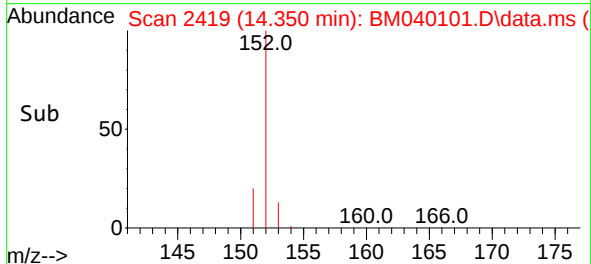
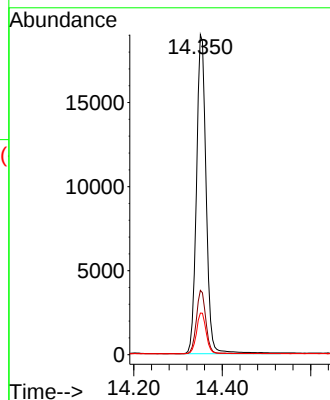
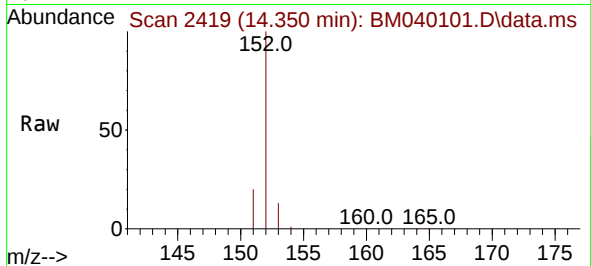




#10  
Acenaphthylene  
Concen: 0.898 ng/ul  
RT: 14.350 min Scan# 2420  
Delta R.T. -0.005 min  
Lab File: BM040101.D  
Acq: 01 Jun 2023 04:57

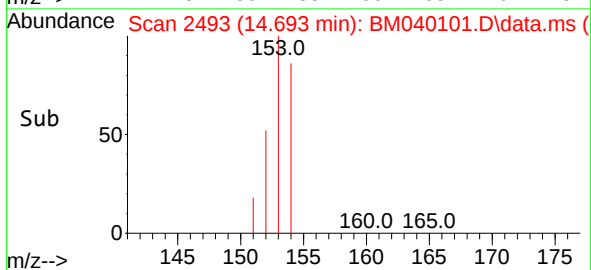
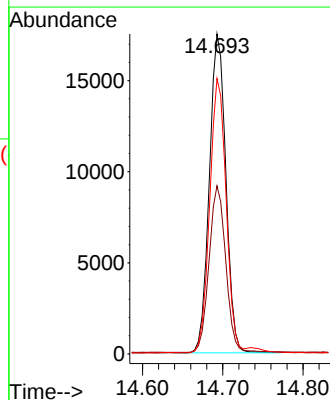
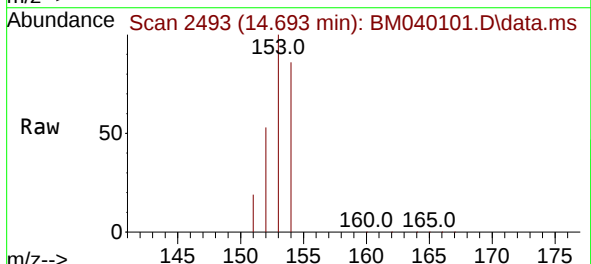
Instrument :  
BNA\_M  
ClientSampleId :  
SP6213

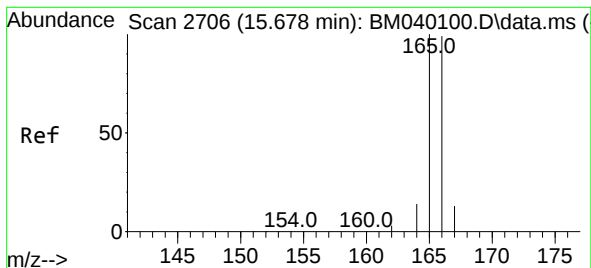
Tgt Ion:152 Resp: 28703  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.4 24.6  
153 13.0 10.8 16.2



#11  
Acenaphthene  
Concen: 0.909 ng/ul  
RT: 14.693 min Scan# 2493  
Delta R.T. -0.005 min  
Lab File: BM040101.D  
Acq: 01 Jun 2023 04:57

Tgt Ion:153 Resp: 24978  
Ion Ratio Lower Upper  
153 100  
152 52.5 41.2 61.8  
154 86.1 68.8 103.2





#12

Fluorene

Concen: 0.914 ng/ul

RT: 15.678 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM040101.D

Acq: 01 Jun 2023 04:57

Instrument :

BNA\_M

ClientSampleId :

SP6213

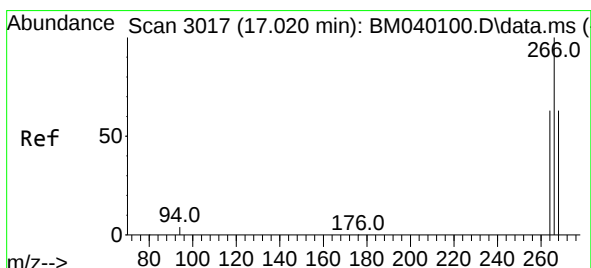
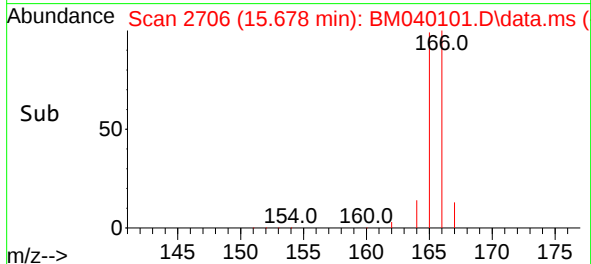
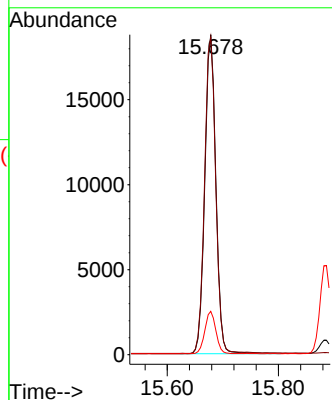
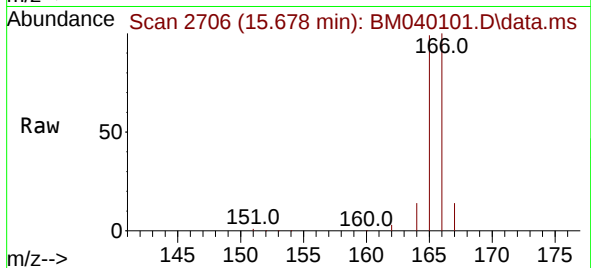
Tgt Ion:166 Resp: 25994

Ion Ratio Lower Upper

166 100

165 99.2 79.8 119.8

167 13.6 11.2 16.8



#14

Pentachlorophenol

Concen: 1.540 ng/ul

RT: 17.020 min Scan# 3017

Delta R.T. -0.004 min

Lab File: BM040101.D

Acq: 01 Jun 2023 04:57

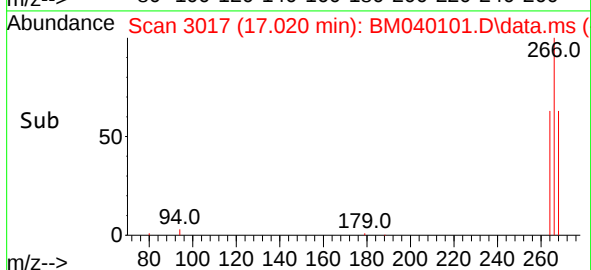
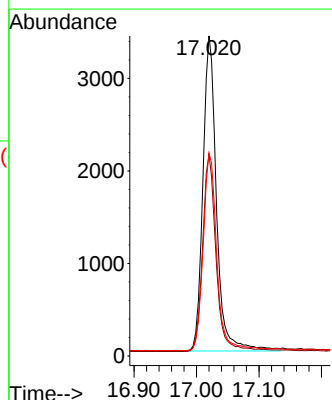
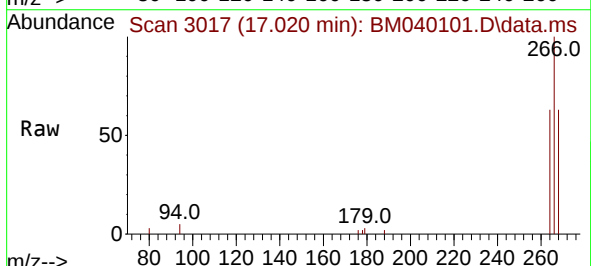
Tgt Ion:266 Resp: 5146

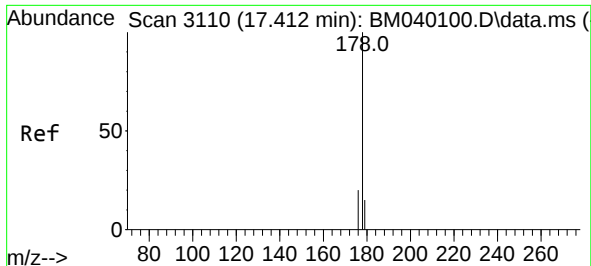
Ion Ratio Lower Upper

266 100

264 62.3 49.9 74.9

268 63.3 51.5 77.3

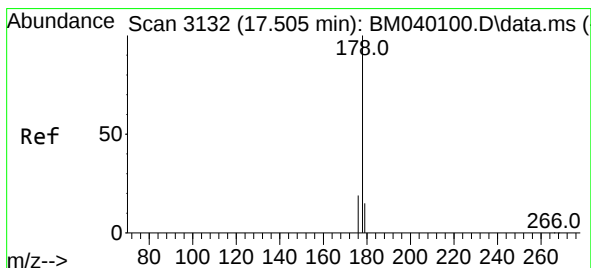
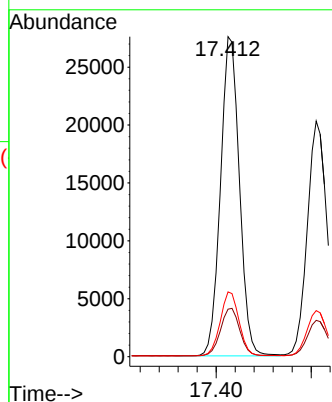
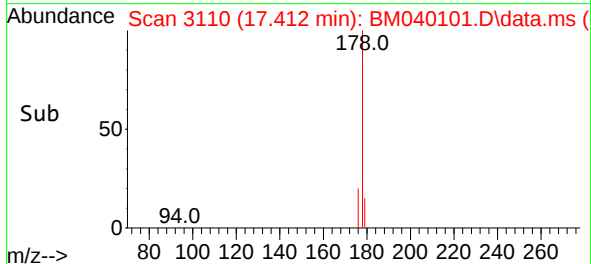
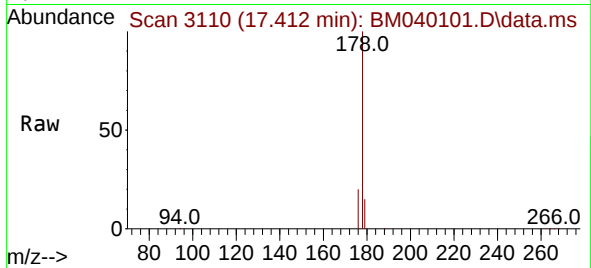




#15  
Phenanthrene  
Concen: 0.889 ng/ul  
RT: 17.412 min Scan# 3110  
Delta R.T. -0.004 min  
Lab File: BM040101.D  
Acq: 01 Jun 2023 04:57

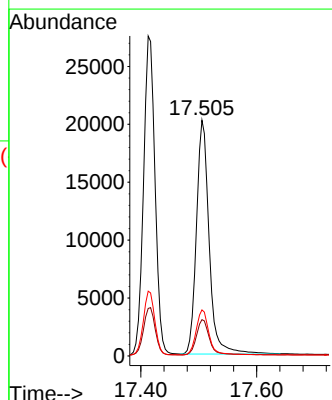
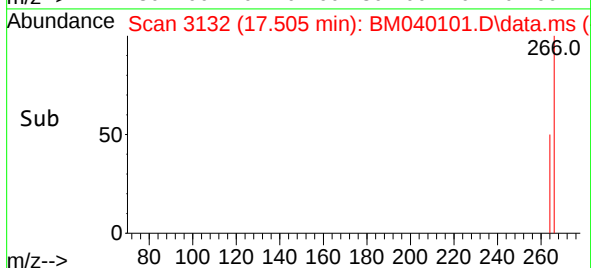
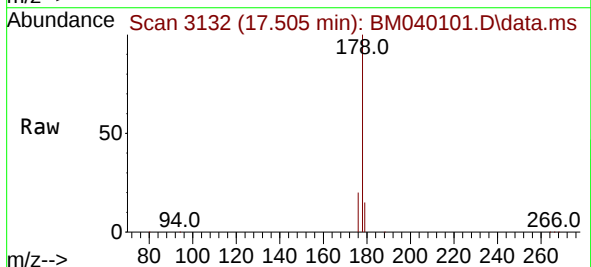
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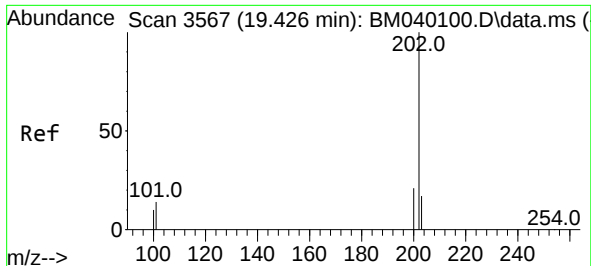
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Ion Ratio Lower Upper  
178 100  
179 14.9 12.4 18.6  
176 20.2 16.4 24.6



#16  
Anthracene  
Concen: 0.881 ng/ul  
RT: 17.505 min Scan# 3132  
Delta R.T. -0.004 min  
Lab File: BM040101.D  
Acq: 01 Jun 2023 04:57

Tgt Ion:178 Resp: 30874  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.6 19.0  
176 19.5 15.8 23.6

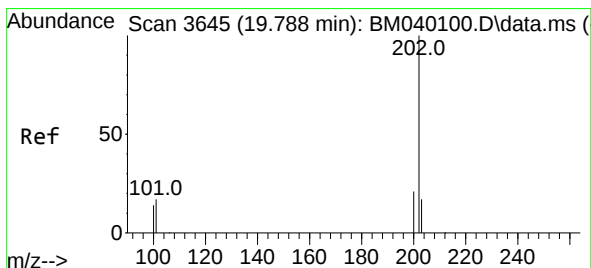
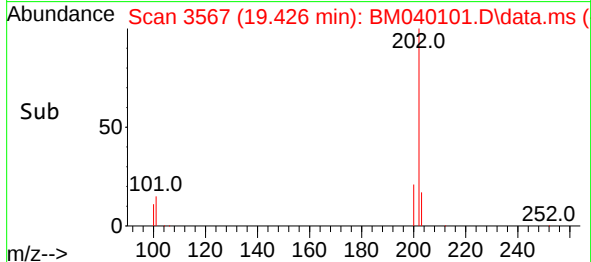
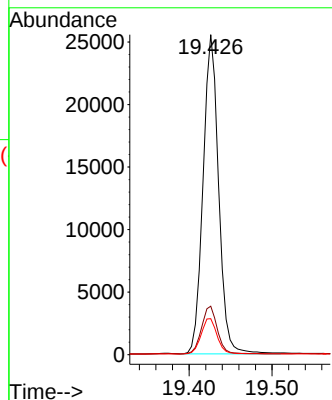
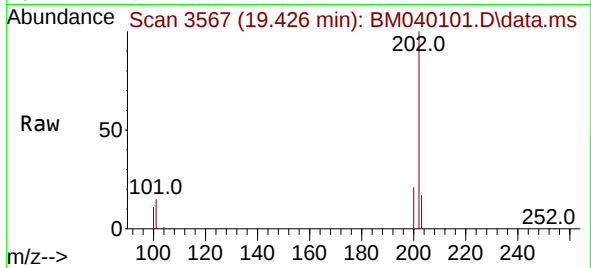




#19  
Fluoranthene  
Concen: 0.895 ng/u1  
RT: 19.426 min Scan# 3567  
Delta R.T. -0.005 min  
Lab File: BM040101.D  
Acq: 01 Jun 2023 04:57

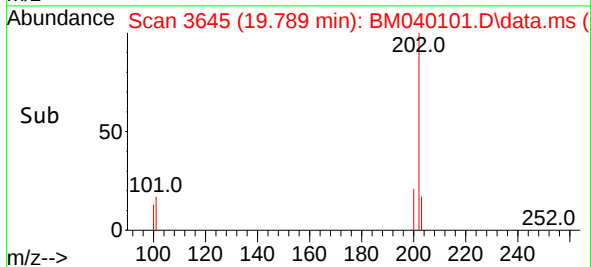
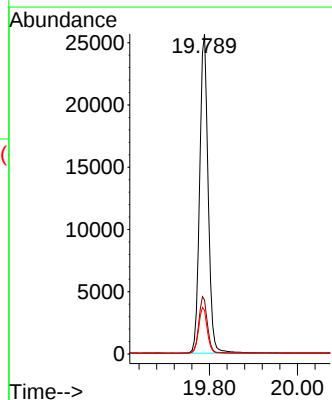
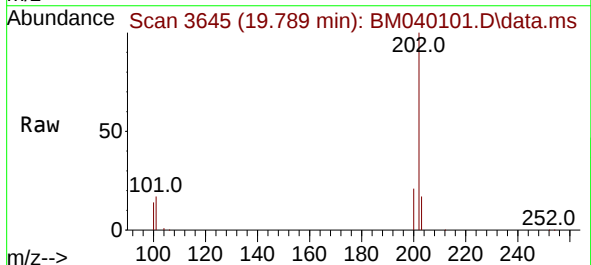
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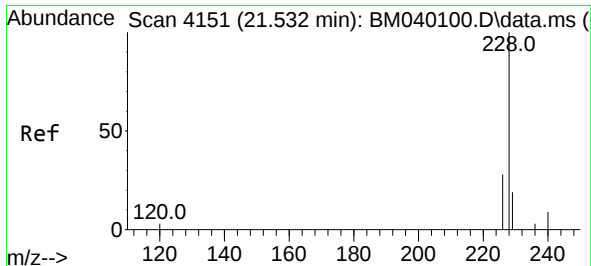
Tgt Ion:202 Resp: 33370  
Ion Ratio Lower Upper  
202 100  
101 15.1 11.2 16.8  
100 11.2 8.6 12.8



#20  
Pyrene  
Concen: 0.913 ng/u1  
RT: 19.789 min Scan# 3645  
Delta R.T. 0.000 min  
Lab File: BM040101.D  
Acq: 01 Jun 2023 04:57

Tgt Ion:202 Resp: 34308  
Ion Ratio Lower Upper  
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101 16.9 14.7 22.1  
100 13.6 12.2 18.2

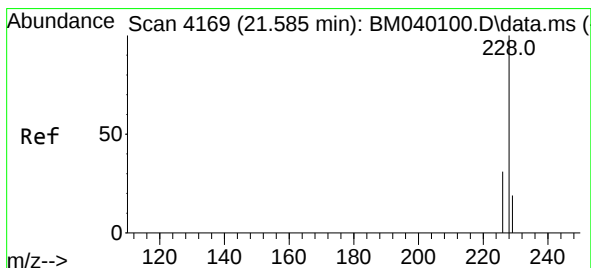
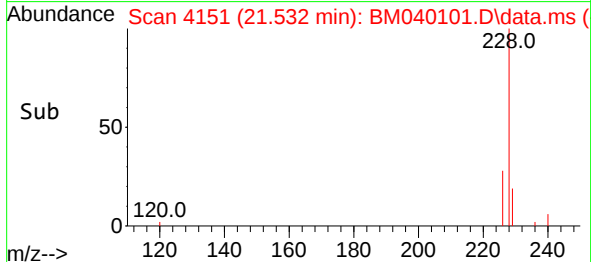
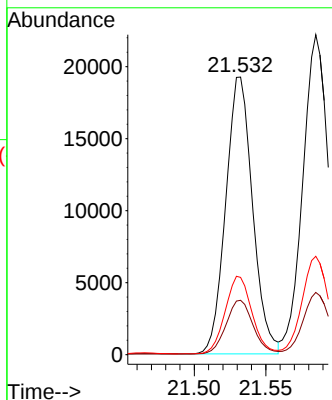
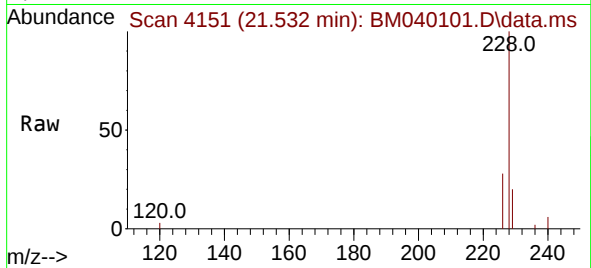




#21  
Benzo(a)anthracene  
Concen: 0.888 ng/ul  
RT: 21.532 min Scan# 4151  
Delta R.T. -0.003 min  
Lab File: BM040101.D  
Acq: 01 Jun 2023 04:57

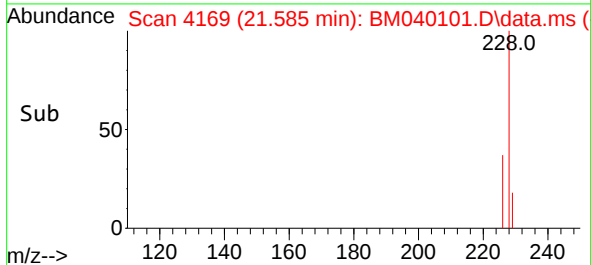
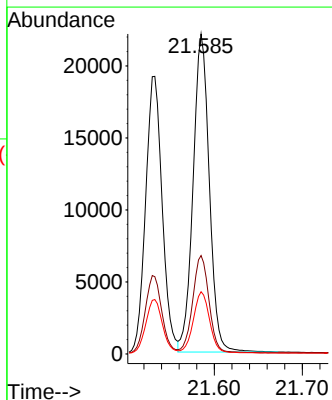
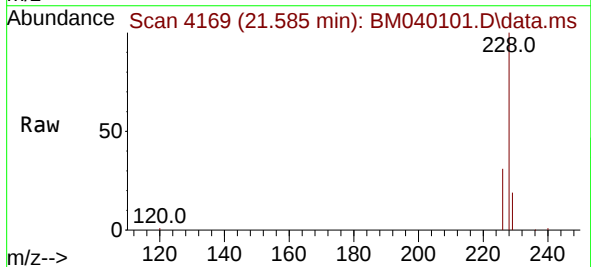
Instrument :  
BNA\_M  
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SP6213

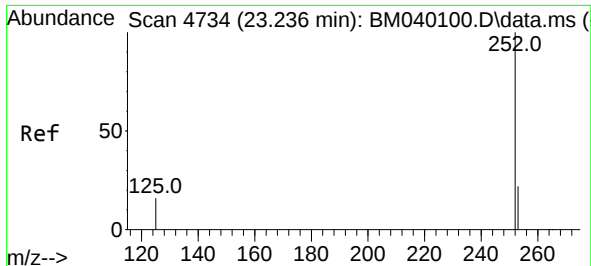
Tgt Ion:228 Resp: 25173  
Ion Ratio Lower Upper  
228 100  
229 19.6 16.1 24.1  
226 27.8 22.1 33.1



#22  
Chrysene  
Concen: 0.921 ng/ul  
RT: 21.585 min Scan# 4169  
Delta R.T. -0.003 min  
Lab File: BM040101.D  
Acq: 01 Jun 2023 04:57

Tgt Ion:228 Resp: 28290  
Ion Ratio Lower Upper  
228 100  
226 30.7 24.8 37.2  
229 19.5 15.9 23.9

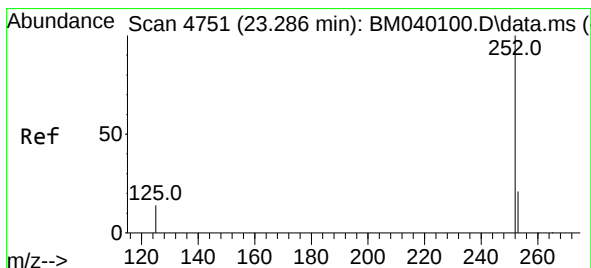
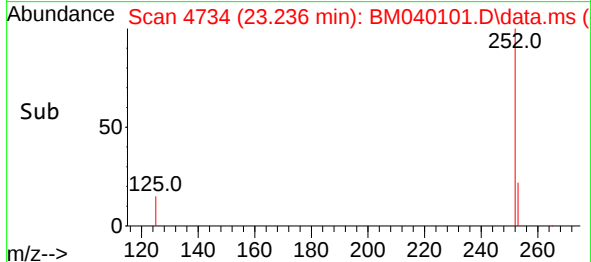
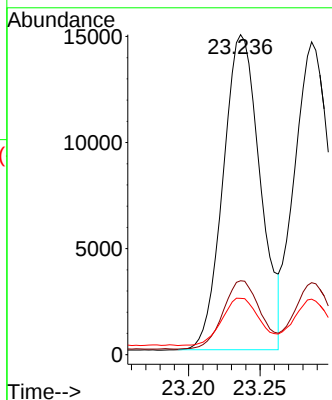
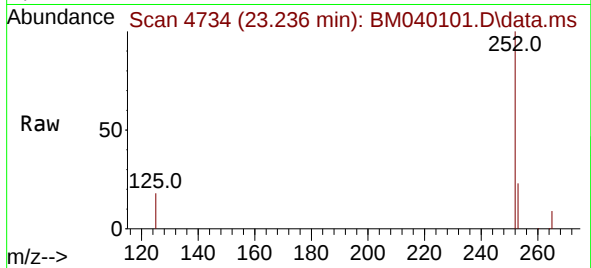




#24  
Benzo(b)fluoranthene  
Concen: 0.914 ng/ul  
RT: 23.236 min Scan# 4734  
Delta R.T. -0.006 min  
Lab File: BM040101.D  
Acq: 01 Jun 2023 04:57

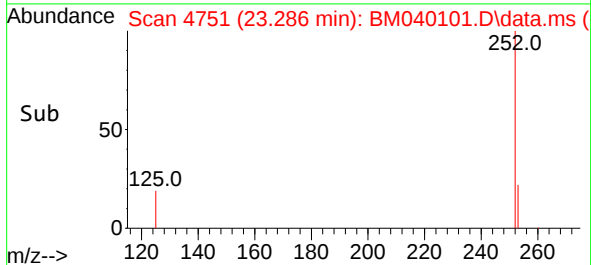
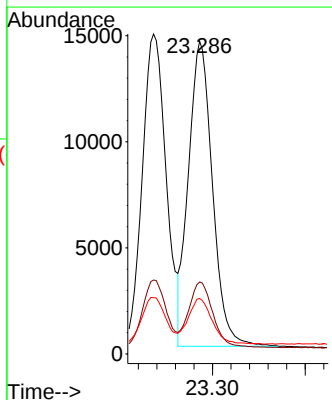
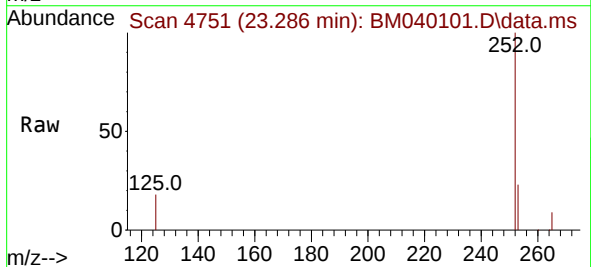
Instrument :  
BNA\_M  
ClientSampleId :  
SP6213

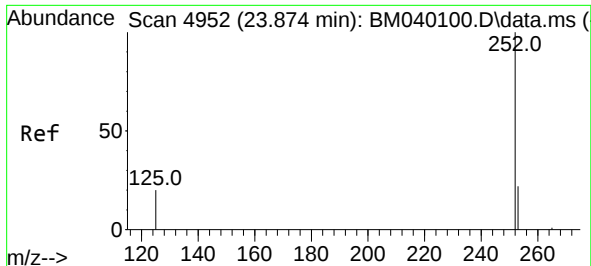
Tgt Ion:252 Resp: 26791  
Ion Ratio Lower Upper  
252 100  
253 23.1 0.0 48.6  
125 17.6 0.0 38.8



#25  
Benzo(k)fluoranthene  
Concen: 0.929 ng/ul  
RT: 23.286 min Scan# 4751  
Delta R.T. -0.006 min  
Lab File: BM040101.D  
Acq: 01 Jun 2023 04:57

Tgt Ion:252 Resp: 25927  
Ion Ratio Lower Upper  
252 100  
253 23.0 19.5 29.3  
125 17.8 15.9 23.9

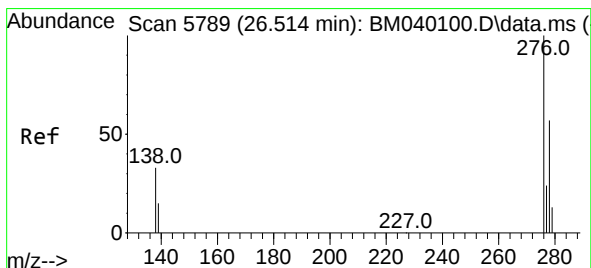
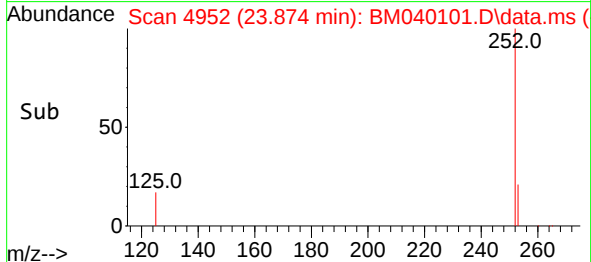
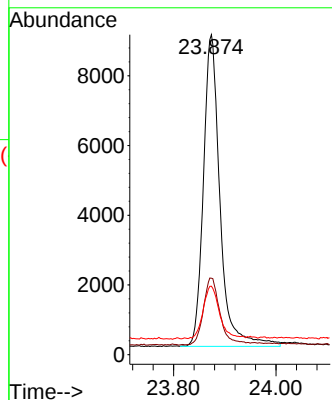
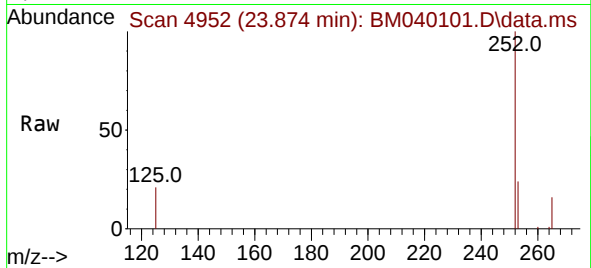




#26  
Benzo(a)pyrene  
Concen: 0.846 ng/ul  
RT: 23.874 min Scan# 4952  
Delta R.T. -0.003 min  
Lab File: BM040101.D  
Acq: 01 Jun 2023 04:57

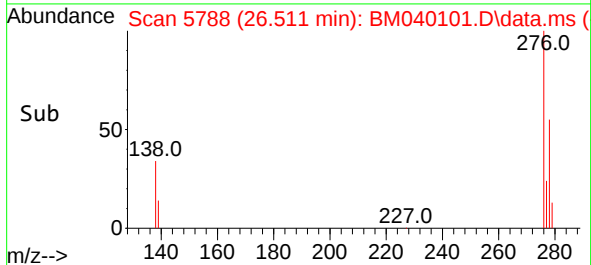
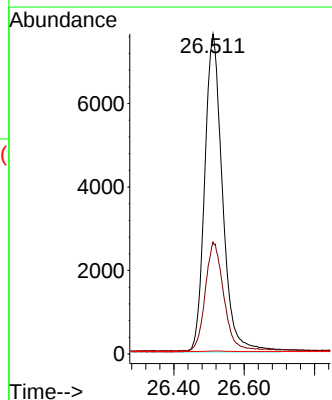
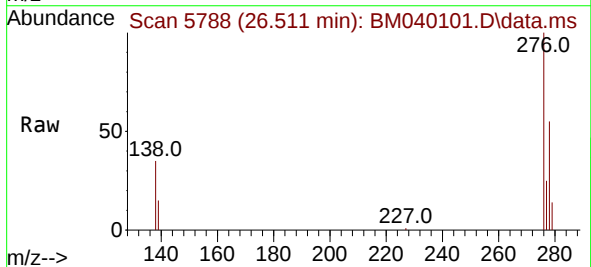
Instrument :  
BNA\_M  
ClientSampleId :  
SP6213

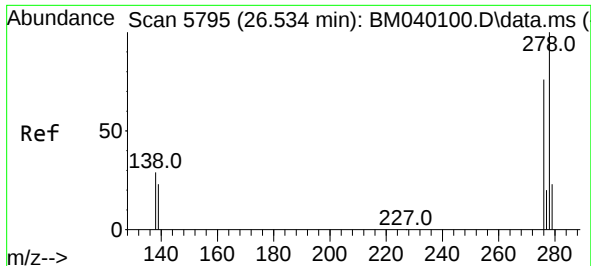
Tgt Ion:252 Resp: 20182  
Ion Ratio Lower Upper  
252 100  
253 23.9 21.0 31.4  
125 21.4 19.8 29.8



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.866 ng/ul  
RT: 26.511 min Scan# 5788  
Delta R.T. -0.010 min  
Lab File: BM040101.D  
Acq: 01 Jun 2023 04:57

Tgt Ion:276 Resp: 26760  
Ion Ratio Lower Upper  
276 100  
138 35.3 28.0 42.0  
227 0.2 0.1 0.1#

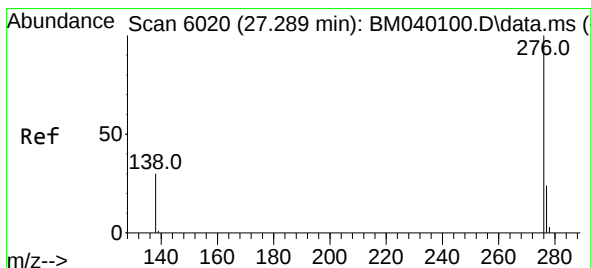
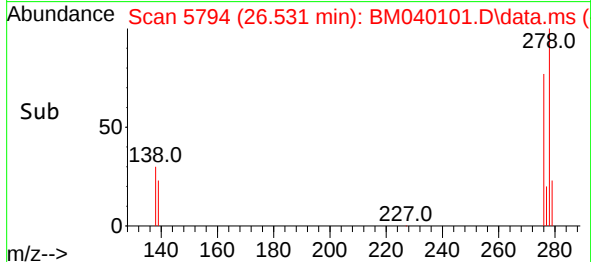
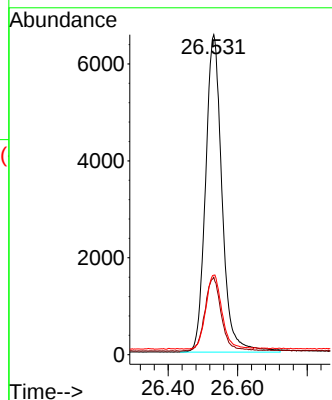
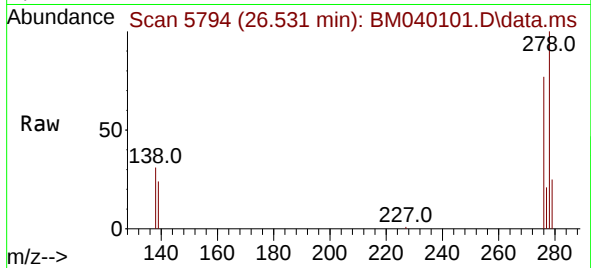




#28  
Dibenzo(a,h)anthracene  
Concen: 0.882 ng/ul  
RT: 26.531 min Scan# 51  
Delta R.T. -0.010 min  
Lab File: BM040101.D  
Acq: 01 Jun 2023 04:57

Instrument :  
BNA\_M  
ClientSampleId :  
SP6213

Tgt Ion:278 Resp: 21553  
Ion Ratio Lower Upper  
278 100  
139 24.2 19.6 29.4  
279 24.8 21.0 31.6



#29  
Benzo(g,h,i)perylene  
Concen: 0.896 ng/ul  
RT: 27.286 min Scan# 6019  
Delta R.T. -0.017 min  
Lab File: BM040101.D  
Acq: 01 Jun 2023 04:57

Tgt Ion:276 Resp: 22455  
Ion Ratio Lower Upper  
276 100  
138 31.2 25.2 37.8  
277 23.7 19.8 29.8

