

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101921\  
 Data File : BM032659.D  
 Acq On : 21 Oct 2021 16:37  
 Operator : CG/JU  
 Sample : M4207-08DL 2X  
 Misc :  
 ALS Vial : 78 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AZ7DL

Manual Integrations  
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mohammad  
 10/22/2021 11:18:31 AM

Quant Time: Oct 21 17:57:22 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM101421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 20 16:33:56 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|------|--------|----------|
| -----                       |        |      |          |      |        |          |
| Internal Standards          |        |      |          |      |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.549  | 152  | 5346     | 0.40 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.334 | 136  | 17574    | 0.40 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.205 | 164  | 9063     | 0.40 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.939 | 188  | 17918    | 0.40 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.118 | 240  | 13924    | 0.40 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.254 | 264  | 13642    | 0.40 | ng/ul  | 0.00     |
|                             |        |      |          |      |        |          |
| System Monitoring Compounds |        |      |          |      |        |          |
| 3) 1,4-Dioxane-d8           | 2.923  | 96   | 1848     | 0.31 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.936 | 152  | 444      | 0.02 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.966 | 212  | 754      | 0.02 | ng/ul  | 0.00     |
|                             |        |      |          |      |        |          |
| Target Compounds            |        |      |          |      | Qvalue |          |
| 5) Naphthalene              | 10.384 | 128  | 2882     | 0.05 | ng/ul# | 92       |
| 7) 2-Methylnaphthalene      | 12.008 | 142  | 1861     | 0.05 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.228 | 142  | 1503     | 0.04 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.924 | 152  | 1221     | 0.03 | ng/ul# | 83       |
| 11) Acenaphthene            | 14.270 | 153  | 1287     | 0.04 | ng/ul  | 96       |
| 12) Fluorene                | 15.256 | 166  | 1393     | 0.04 | ng/ul# | 96       |
| 15) Phenanthrene            | 16.981 | 178  | 25164    | 0.42 | ng/ul  | 99       |
| 16) Anthracene              | 17.071 | 178  | 5390     | 0.10 | ng/ul  | 96       |
| 19) Fluoranthene            | 18.996 | 202  | 43079    | 0.63 | ng/ul  | 99       |
| 20) Pyrene                  | 19.358 | 202  | 38151    | 0.54 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.104 | 228  | 17456    | 0.32 | ng/ul  | 98       |
| 22) Chrysene                | 21.154 | 228  | 20376    | 0.34 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.622 | 252  | 28200m   | 0.45 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.656 | 252  | 11108m   | 0.18 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.159 | 252  | 17175    | 0.33 | ng/ul  | 97       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.359 | 276  | 13313    | 0.21 | ng/ul# | 89       |
| 28) Dibenzo(a,h)anthracene  | 25.362 | 278  | 3248     | 0.06 | ng/ul# | 65       |
| 29) Benzo(g,h,i)perylene    | 26.004 | 276  | 12626    | 0.22 | ng/ul  | 98       |
| -----                       |        |      |          |      |        |          |

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

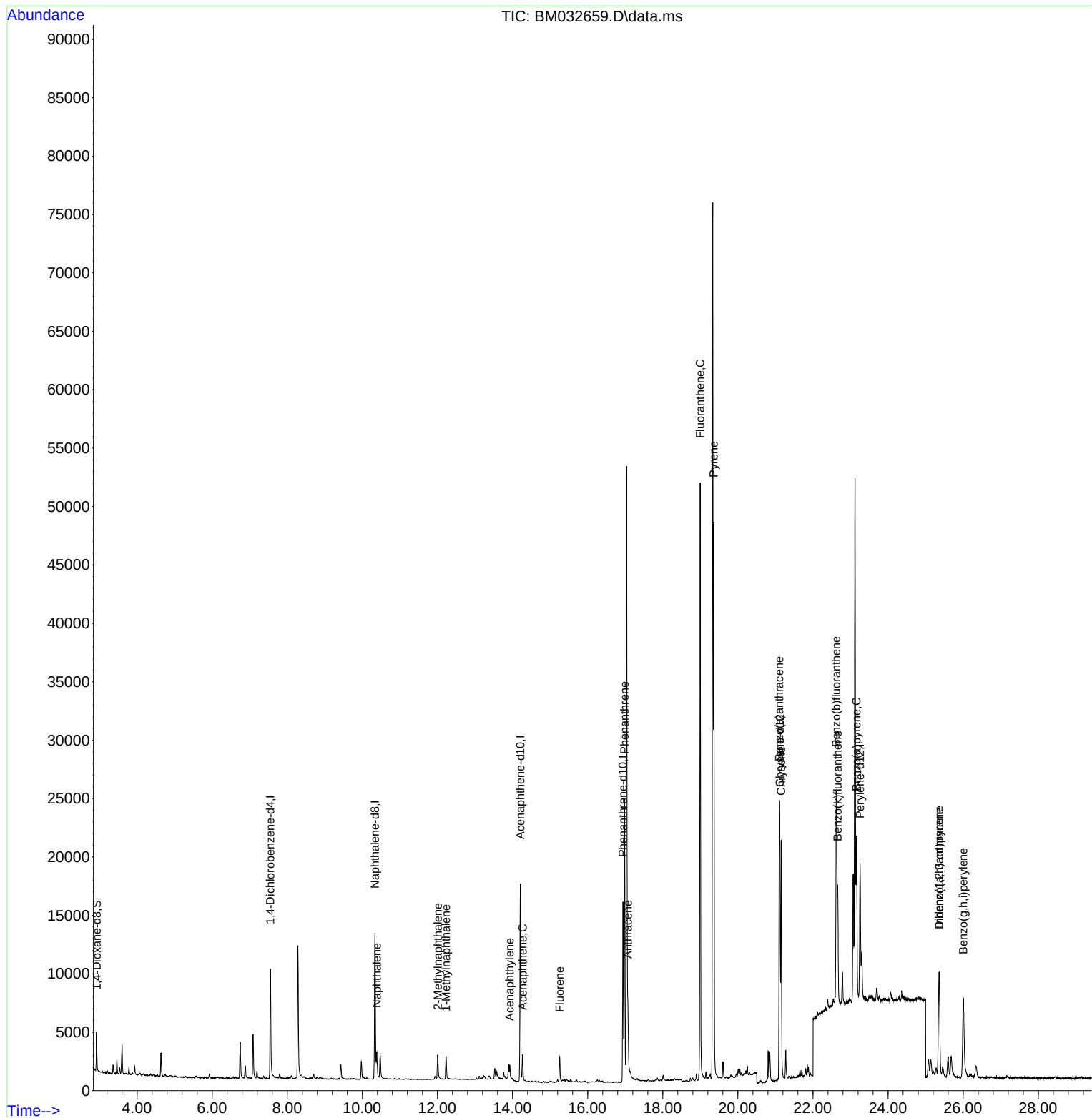
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Data File : BM032659.D  
Acq On : 21 Oct 2021 16:37  
Operator : CG/JU  
Sample : M4207-08DL 2X  
Misc :  
ALS Vial : 78 Sample Multiplier: 1

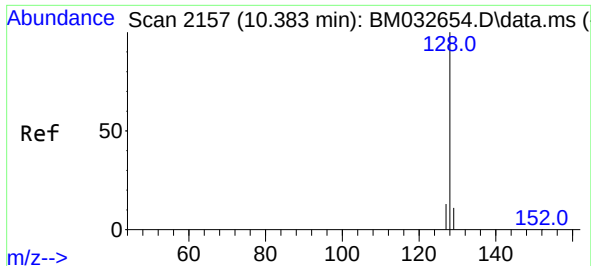
Instrument :  
BNA\_M  
ClientSampleId :  
C0AZ7DL

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Quant Time: Oct 21 17:57:22 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM101421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 20 16:33:56 2021  
Response via : Initial Calibration





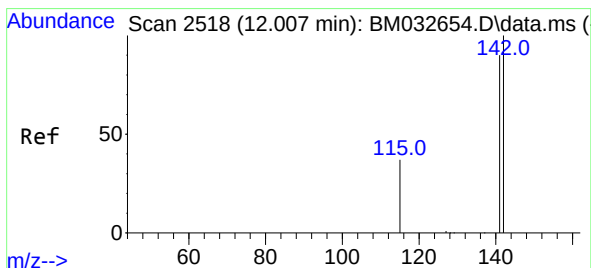
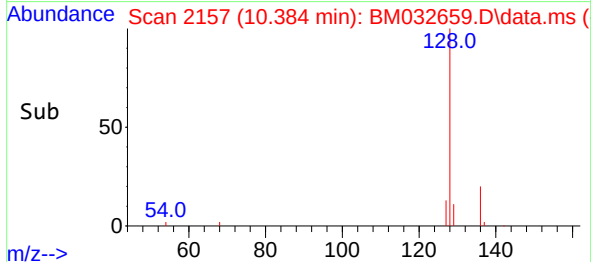
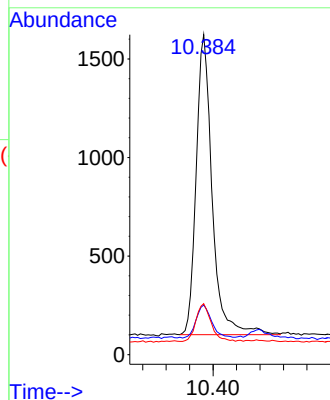
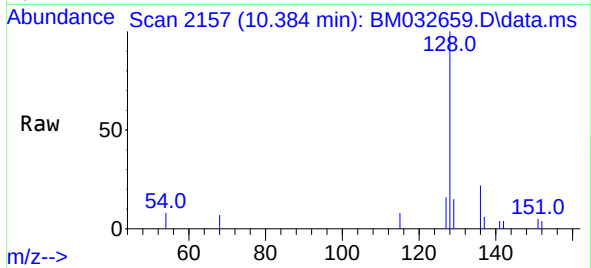
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Naphthalene  
Concen: 0.05 ng/ul  
RT: 10.384 min Scan# 2157  
Delta R.T. -0.005 min  
Lab File: BM032659.D  
Acq: 21 Oct 2021 16:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 15.5  | 9.1   | 13.7# |
| 127     | 16.0  | 11.1  | 16.7  |

Instrument :  
BNA\_M  
ClientSampleId :  
C0AZ7DL

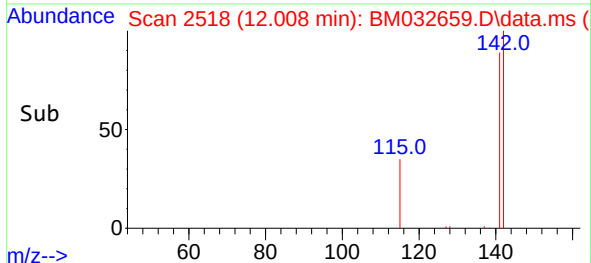
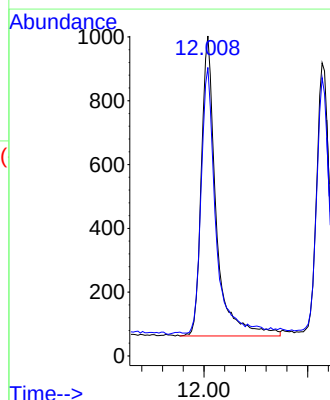
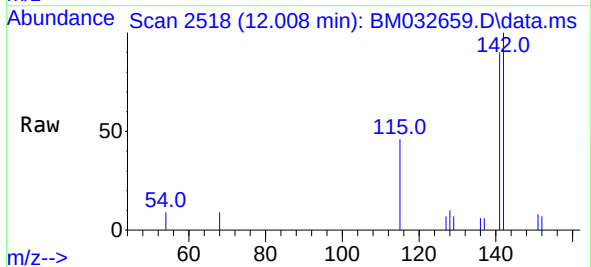
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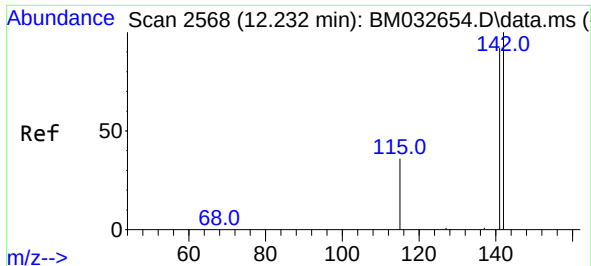
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#7  
2-Methylnaphthalene  
Concen: 0.05 ng/ul  
RT: 12.008 min Scan# 2518  
Delta R.T. -0.005 min  
Lab File: BM032659.D  
Acq: 21 Oct 2021 16:37

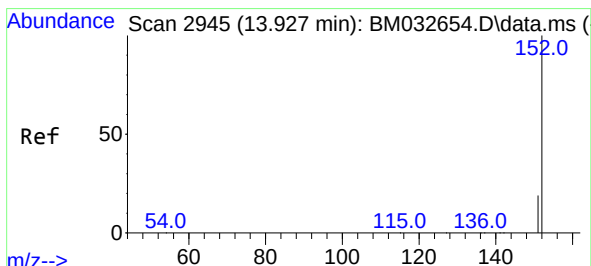
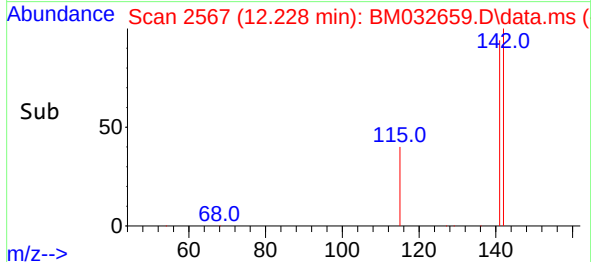
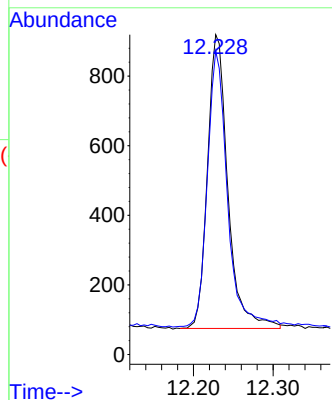
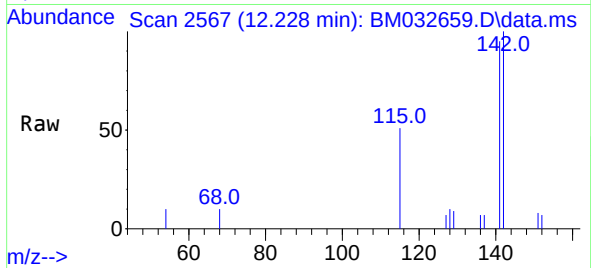
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.8  | 72.2  | 108.2 |





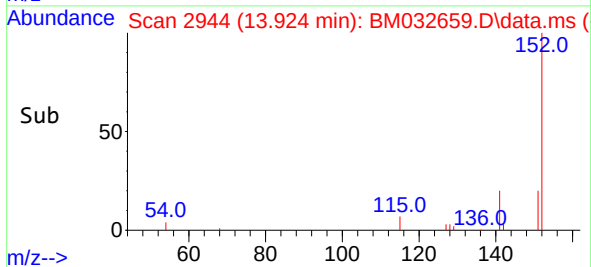
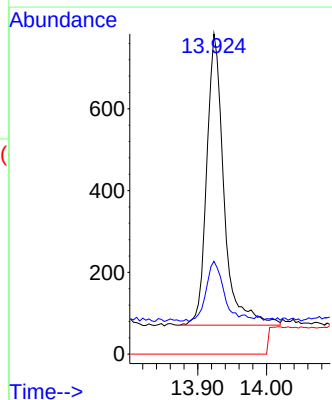
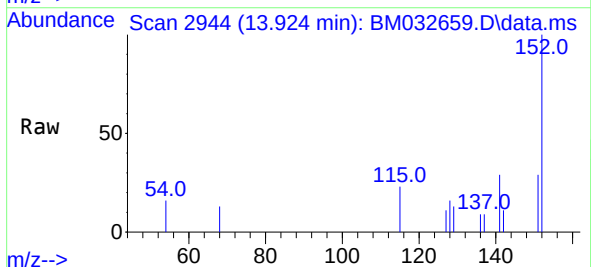
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1-Methylnaphthalene  
Concen: 0.04 ng/ul  
RT: 12.228 min Scan# 2567  
Delta R.T. -0.005 min  
Lab File: BM032659.D  
Acq: 21 Oct 2021 16:37

Tgt Ion:142 Resp: 1503  
Ion Ratio Lower Upper  
142 100  
141 92.5 74.9 112.3



#10  
Acenaphthylene  
Concen: 0.03 ng/ul  
RT: 13.924 min Scan# 2944  
Delta R.T. -0.005 min  
Lab File: BM032659.D  
Acq: 21 Oct 2021 16:37

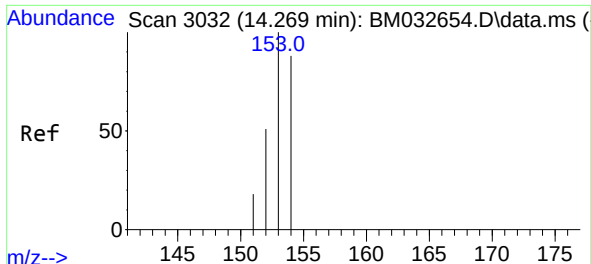
Tgt Ion:152 Resp: 1221  
Ion Ratio Lower Upper  
152 100  
151 29.0 16.7 25.1#  
153 0.0 0.0 0.0



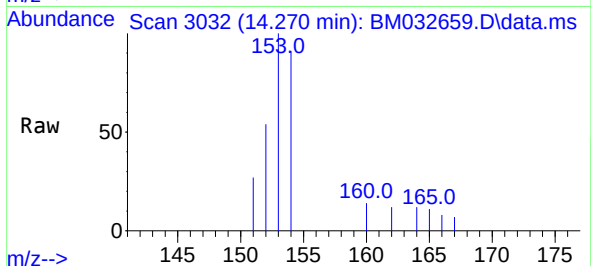
Instrument :  
BNA\_M  
ClientSampleId :  
C0AZ7DL

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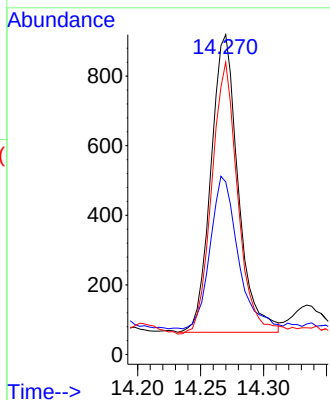
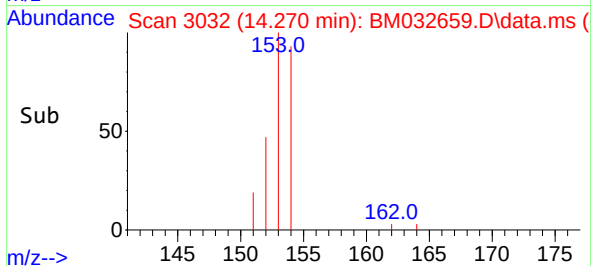
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#11  
Acenaphthene  
Concen: 0.04 ng/ul  
RT: 14.270 min Scan# 3032  
Delta R.T. -0.004 min  
Lab File: BM032659.D  
Acq: 21 Oct 2021 16:37



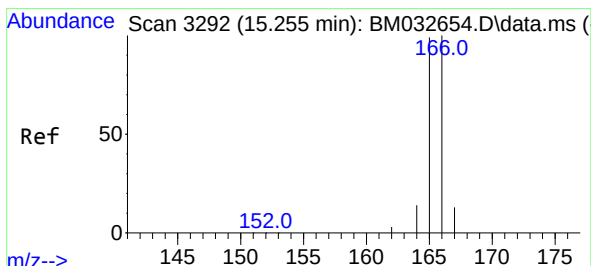
Tgt Ion:153 Resp: 1287  
Ion Ratio Lower Upper  
153 100  
152 54.0 40.4 60.6  
154 91.4 70.8 106.2



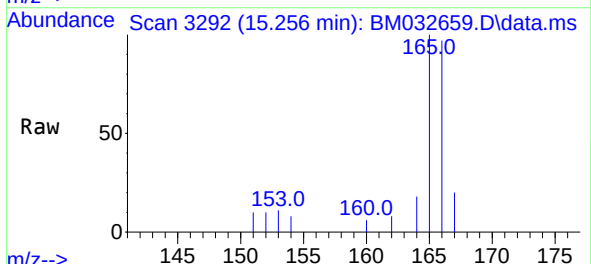
Instrument :  
BNA\_M  
ClientSampleId :  
C0AZ7DL

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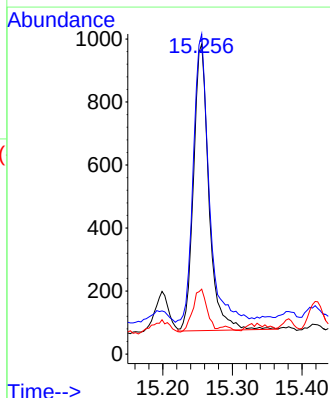
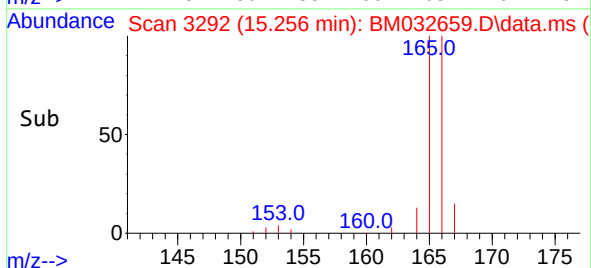
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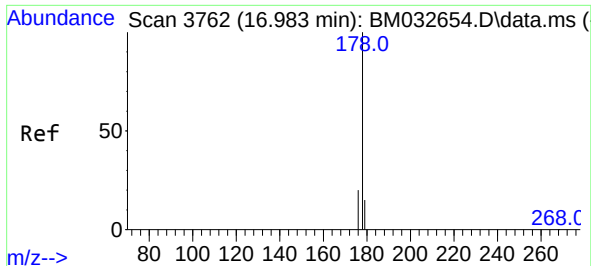


#12  
Fluorene  
Concen: 0.04 ng/ul  
RT: 15.256 min Scan# 3292  
Delta R.T. -0.004 min  
Lab File: BM032659.D  
Acq: 21 Oct 2021 16:37



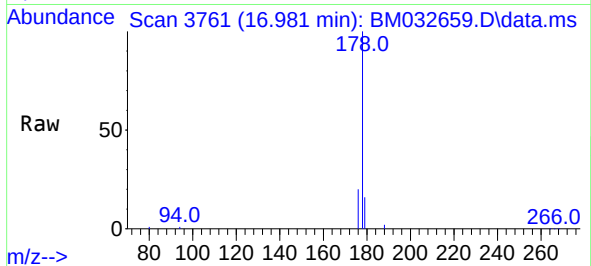
Tgt Ion:166 Resp: 1393  
Ion Ratio Lower Upper  
166 100  
165 103.3 80.7 121.1  
167 20.9 11.2 16.8#





#15  
Phenanthrene  
Concen: 0.42 ng/ul  
RT: 16.981 min Scan# 3761  
Delta R.T. -0.007 min  
Lab File: BM032659.D  
Acq: 21 Oct 2021 16:37

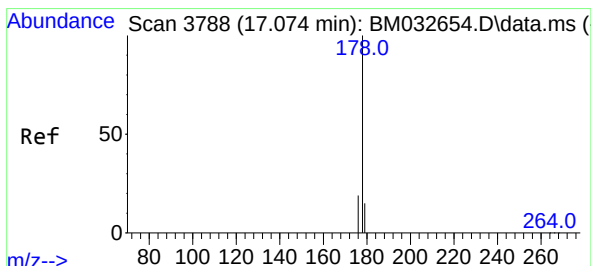
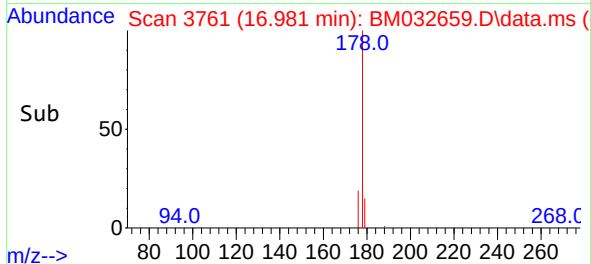
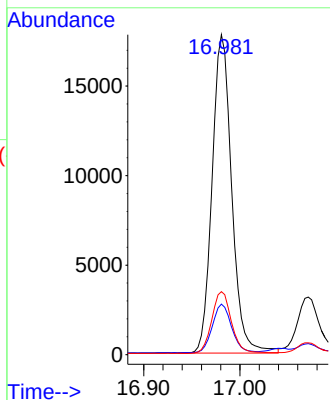
Instrument :  
BNA\_M  
ClientSampleID :  
C0AZ7DL



Tgt Ion:178 Resp: 25164  
Ion Ratio Lower Upper  
178 100  
179 15.8 12.9 19.3  
176 19.7 16.1 24.1

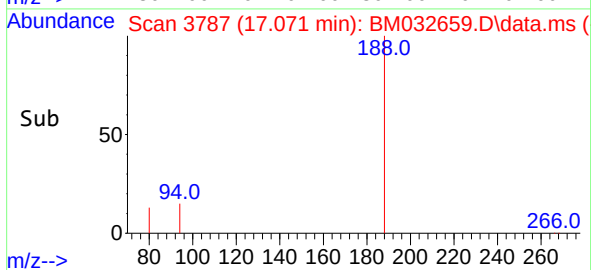
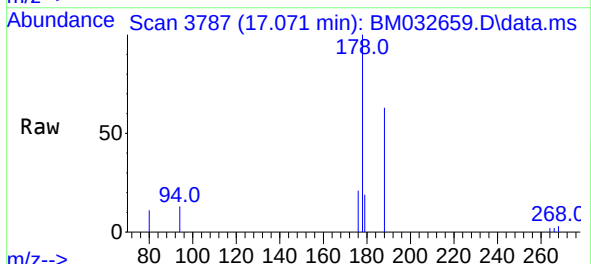
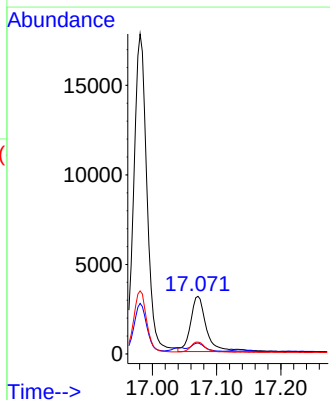
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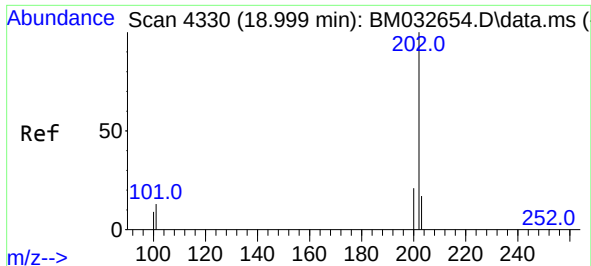
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#16  
Anthracene  
Concen: 0.10 ng/ul  
RT: 17.071 min Scan# 3787  
Delta R.T. -0.007 min  
Lab File: BM032659.D  
Acq: 21 Oct 2021 16:37

Tgt Ion:178 Resp: 5390  
Ion Ratio Lower Upper  
178 100  
179 19.2 12.9 19.3  
176 20.6 15.8 23.6





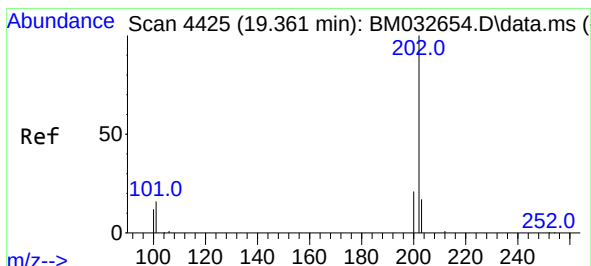
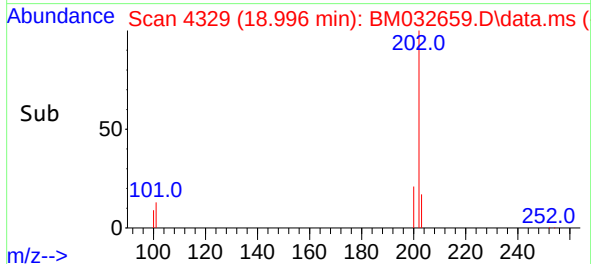
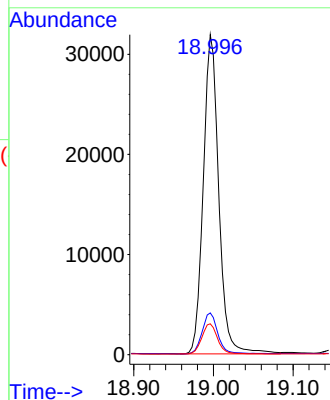
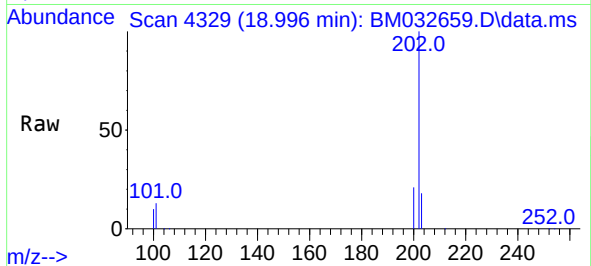
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Fluoranthene  
Concen: 0.63 ng/ul  
RT: 18.996 min Scan# 4329  
Delta R.T. -0.008 min  
Lab File: BM032659.D  
Acq: 21 Oct 2021 16:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 43079 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 13.1  | 10.6  | 16.0  |
| 100       | 9.7   | 7.8   | 11.8  |

Instrument :  
BNA\_M  
ClientSampleId :  
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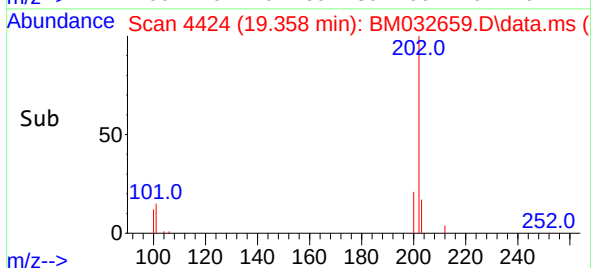
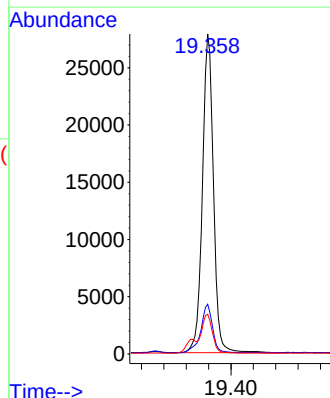
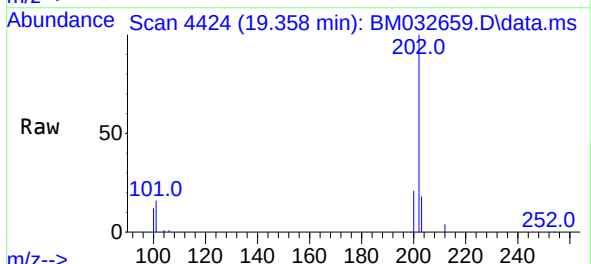
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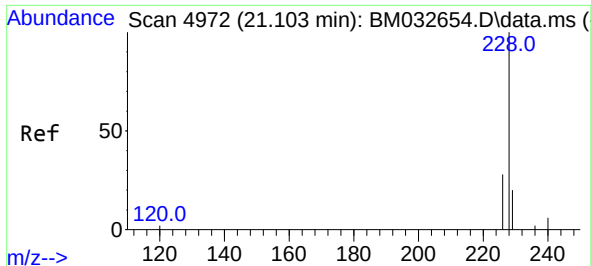
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#20  
Pyrene  
Concen: 0.54 ng/ul  
RT: 19.358 min Scan# 4424  
Delta R.T. -0.008 min  
Lab File: BM032659.D  
Acq: 21 Oct 2021 16:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 38151 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 15.6  | 12.3  | 18.5  |
| 100       | 12.4  | 10.1  | 15.1  |





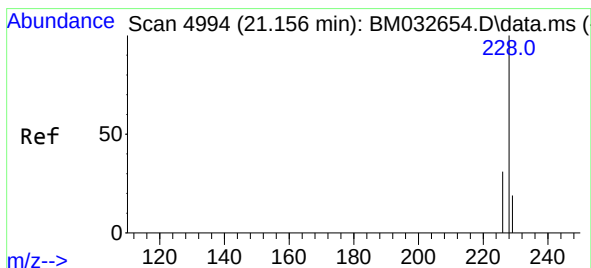
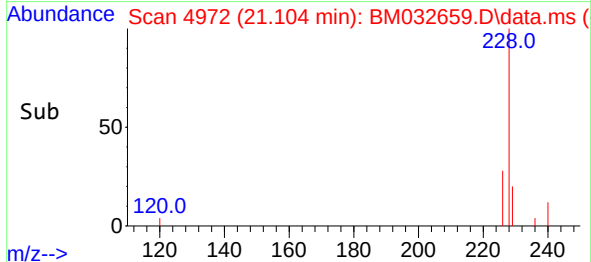
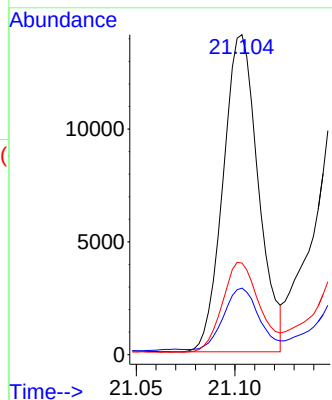
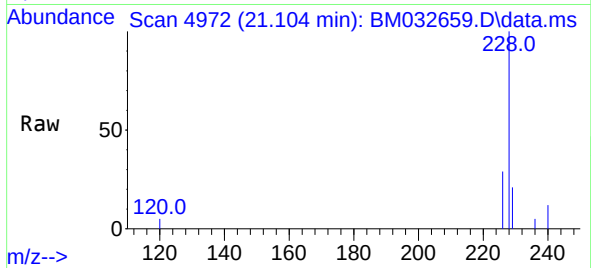
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Benzo(a)anthracene  
Concen: 0.32 ng/u1  
RT: 21.104 min Scan# 4972  
Delta R.T. -0.005 min  
Lab File: BM032659.D  
Acq: 21 Oct 2021 16:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 17456 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 20.8  | 15.9  | 23.9  |
| 226       | 28.6  | 22.4  | 33.6  |

Instrument :  
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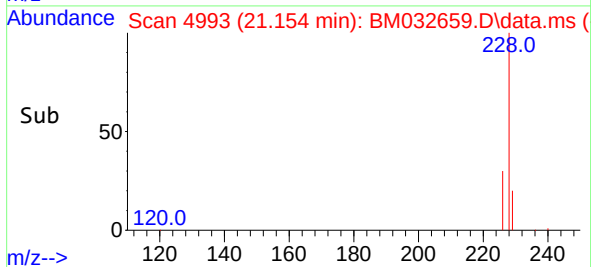
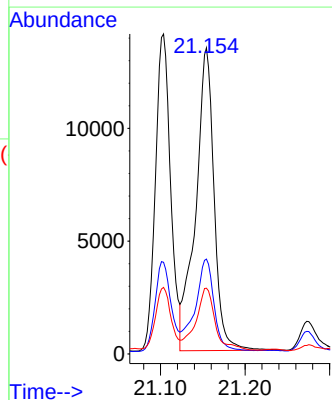
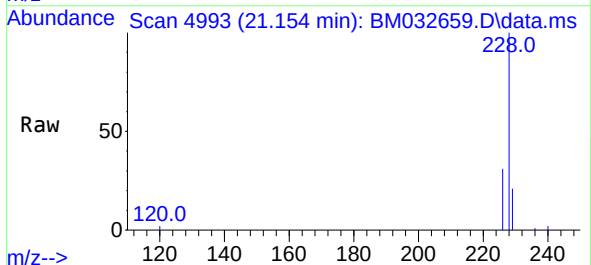
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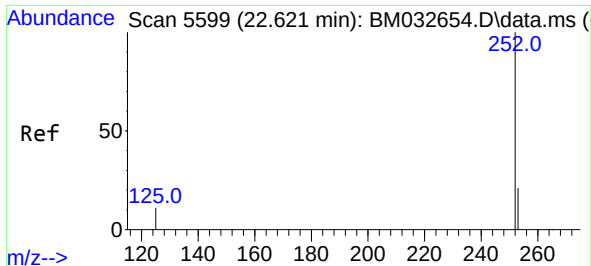


#22  
Chrysene  
Concen: 0.34 ng/u1  
RT: 21.154 min Scan# 4993  
Delta R.T. -0.005 min  
Lab File: BM032659.D  
Acq: 21 Oct 2021 16:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 20376 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 31.0  | 25.1  | 37.7  |
| 229       | 21.5  | 15.7  | 23.5  |







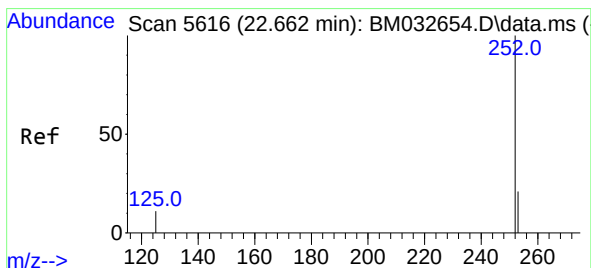
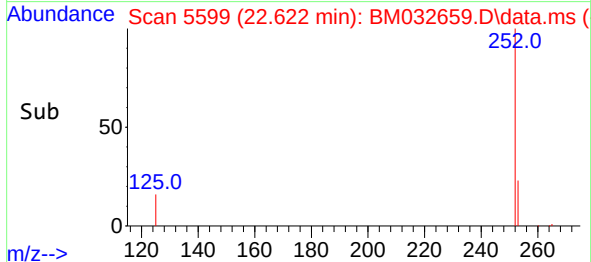
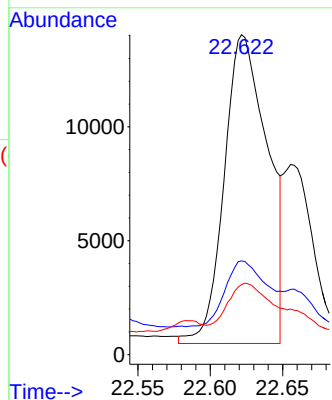
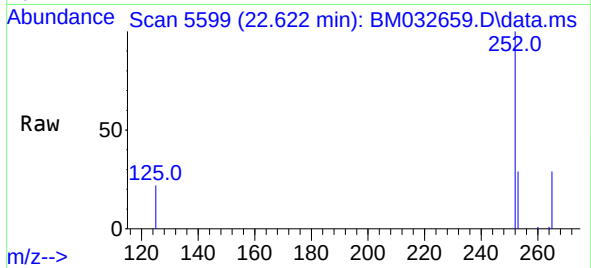
#24  
Benzo(b)fluoranthene  
Concen: 0.45 ng/ul m  
RT: 22.622 min Scan# 5599  
Delta R.T. -0.005 min  
Lab File: BM032659.D  
Acq: 21 Oct 2021 16:37

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:252 | Resp: | 28200    |
| Ion Ratio   | Lower | Upper    |
| 252         | 100   |          |
| 253         | 29.3  | 0.0 53.8 |
| 125         | 21.9  | 0.0 35.6 |

Instrument :  
BNA\_M  
ClientSampleId :  
C0AZ7DL

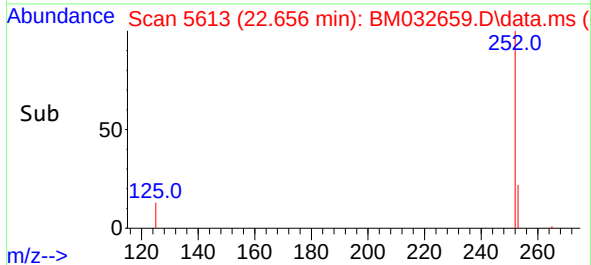
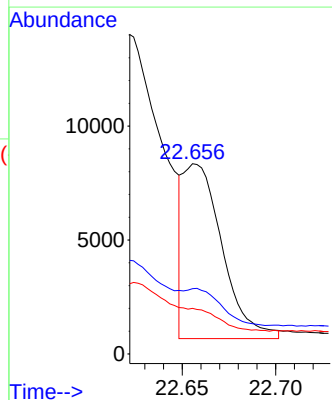
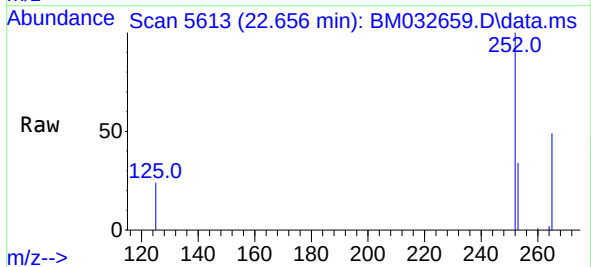
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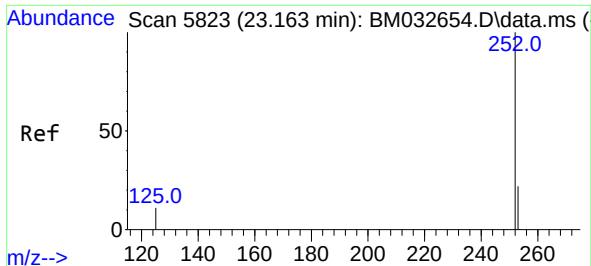
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#25  
Benzo(k)fluoranthene  
Concen: 0.18 ng/ul m  
RT: 22.656 min Scan# 5613  
Delta R.T. -0.010 min  
Lab File: BM032659.D  
Acq: 21 Oct 2021 16:37

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:252 | Resp: | 11108      |
| Ion Ratio   | Lower | Upper      |
| 252         | 100   |            |
| 253         | 34.3  | 21.8 32.6# |
| 125         | 24.0  | 14.4 21.6# |





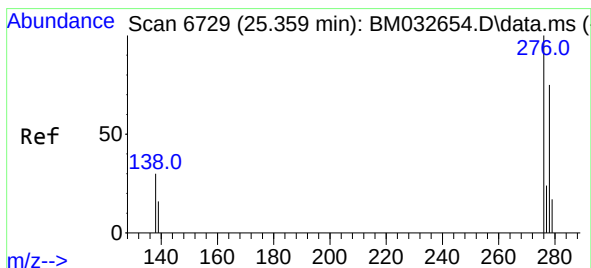
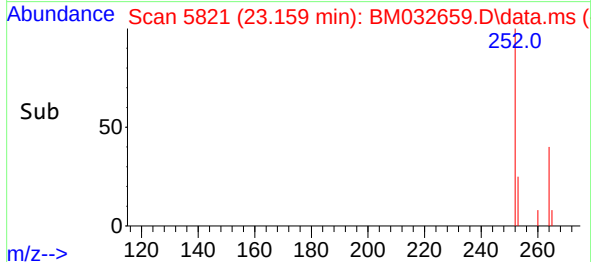
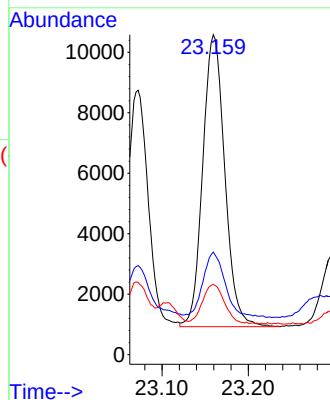
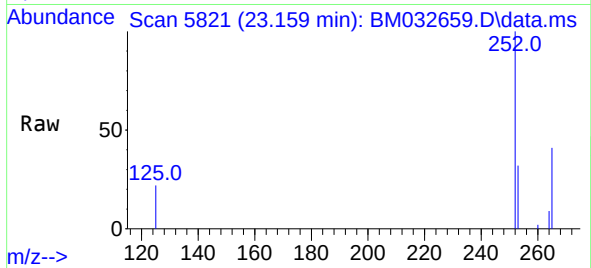
#26  
Benzo(a)pyrene  
Concen: 0.33 ng/u1  
RT: 23.159 min Scan# 5821  
Delta R.T. -0.010 min  
Lab File: BM032659.D  
Acq: 21 Oct 2021 16:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 17175 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 32.1  | 23.6  | 35.4  |
| 125       | 22.0  | 17.1  | 25.7  |

Instrument :  
BNA\_M  
ClientSampled :  
C0AZ7DL

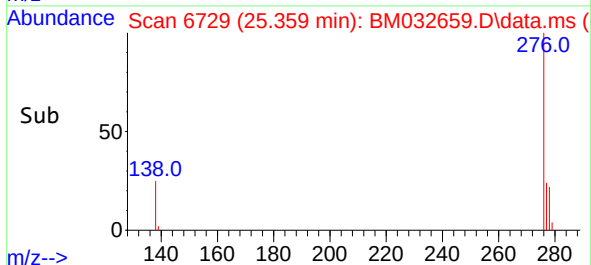
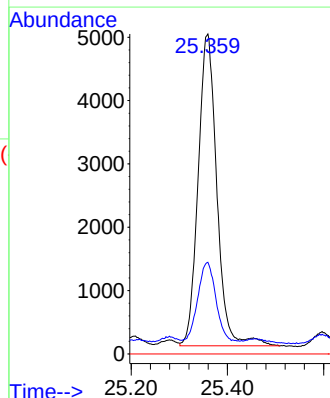
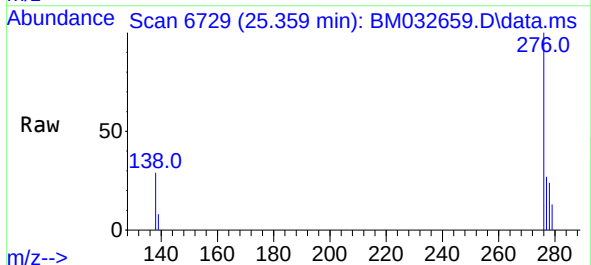
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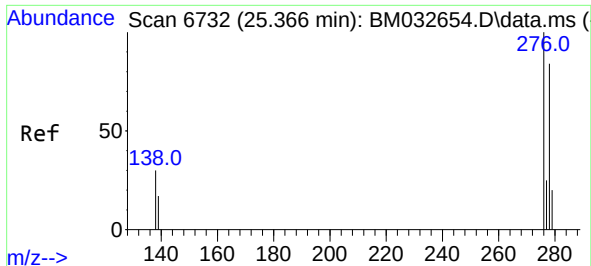
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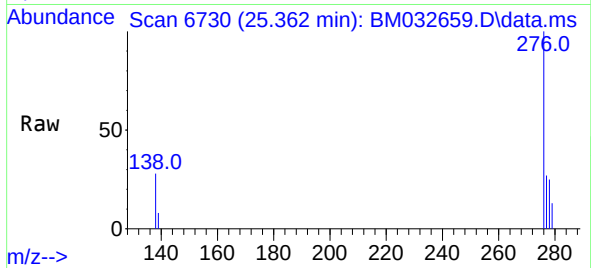
#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.21 ng/u1  
RT: 25.359 min Scan# 6729  
Delta R.T. -0.012 min  
Lab File: BM032659.D  
Acq: 21 Oct 2021 16:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 13313 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 25.3  | 24.9  | 37.3  |
| 227       | 0.0   | 0.0   | 0.0   |

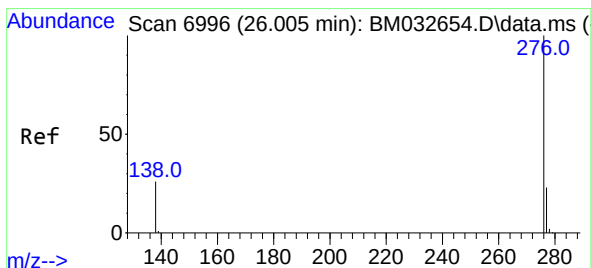
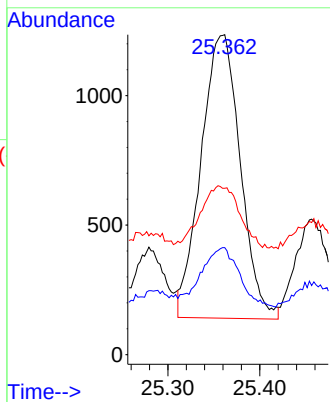
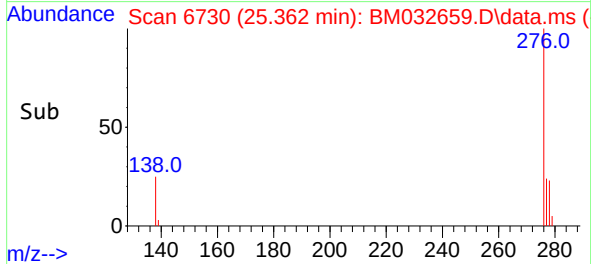




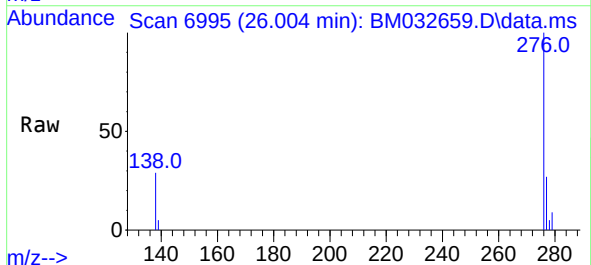
#28  
Dibenzo(a,h)anthracene  
Concen: 0.06 ng/ul  
RT: 25.362 min Scan# 6730  
Delta R.T. -0.015 min  
Lab File: BM032659.D  
Acq: 21 Oct 2021 16:37



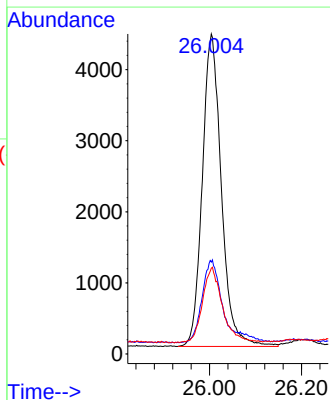
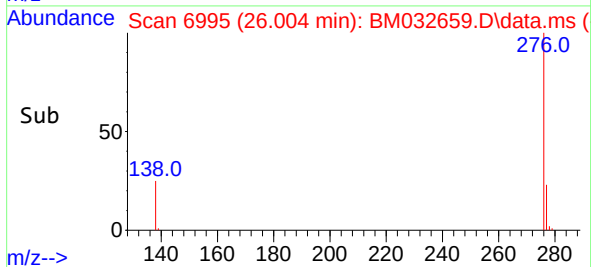
Tgt Ion:278 Resp: 3248  
Ion Ratio Lower Upper  
278 100  
139 33.4 18.6 28.0#  
279 52.0 22.0 33.0#



#29  
Benzo(g,h,i)perylene  
Concen: 0.22 ng/ul  
RT: 26.004 min Scan# 6995  
Delta R.T. -0.015 min  
Lab File: BM032659.D  
Acq: 21 Oct 2021 16:37



Tgt Ion:276 Resp: 12626  
Ion Ratio Lower Upper  
276 100  
138 28.7 22.6 33.8  
277 26.8 19.9 29.9



Instrument :  
BNA\_M  
ClientSampleId :  
C0AZ7DL

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