

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062521\  
 Data File : BM030621.D  
 Acq On : 26 Jun 2021 04:14  
 Operator : CG/JU  
 Sample : M2682-06  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGDE4

Manual Integrations  
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Quant Time: Jun 26 05:09:17 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM062321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jun 26 03:50:10 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.794  | 152  | 3303     | 0.400  | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.581 | 136  | 13530    | 0.400  | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.421 | 164  | 8404     | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.159 | 188  | 16847    | 0.400  | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.323 | 240  | 13912    | 0.400  | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.576 | 264  | 12151    | 0.400  | ng/ul  | #-0.01   |
|                             |        |      |          |        |        |          |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.279  | 96   | 6916     | 1.957  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.169 | 152  | 2944     | 0.136  | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.180 | 212  | 7738     | 0.181  | ng/ul  | 0.00     |
|                             |        |      |          |        |        |          |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 5) Naphthalene              | 10.626 | 128  | 58622    | 1.456  | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.245 | 142  | 9261     | 0.341  | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.461 | 142  | 5464     | 0.207  | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.140 | 152  | 43636    | 1.110  | ng/ul  | 99       |
| 11) Acenaphthene            | 14.481 | 153  | 35977    | 1.123  | ng/ul  | 98       |
| 12) Fluorene                | 15.467 | 166  | 37953    | 1.070  | ng/ul  | 99       |
| 15) Phenanthrene            | 17.197 | 178  | 334415   | 5.575  | ng/ul  | 99       |
| 16) Anthracene              | 17.290 | 178  | 271626   | 5.169  | ng/ul  | 99       |
| 19) Fluoranthene            | 19.210 | 202  | 2428009  | 37.963 | ng/ul  | 99       |
| 20) Pyrene                  | 19.573 | 202  | 1686685  | 25.742 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.306 | 228  | 1244680  | 22.523 | ng/ul  | 96       |
| 22) Chrysene                | 21.360 | 228  | 1011728  | 16.491 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 22.900 | 252  | 1066334m | 20.174 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.938 | 252  | 428710m  | 7.733  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.479 | 252  | 526024   | 11.215 | ng/ul# | 89       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.853 | 276  | 340544   | 5.710  | ng/ul# | 94       |
| 28) Dibenzo(a,h)anthracene  | 25.860 | 278  | 116581   | 2.451  | ng/ul  | 97       |
| 29) Benzo(g,h,i)perylene    | 26.556 | 276  | 18089    | 0.351  | ng/ul# | 87       |
| -----                       |        |      |          |        |        |          |

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

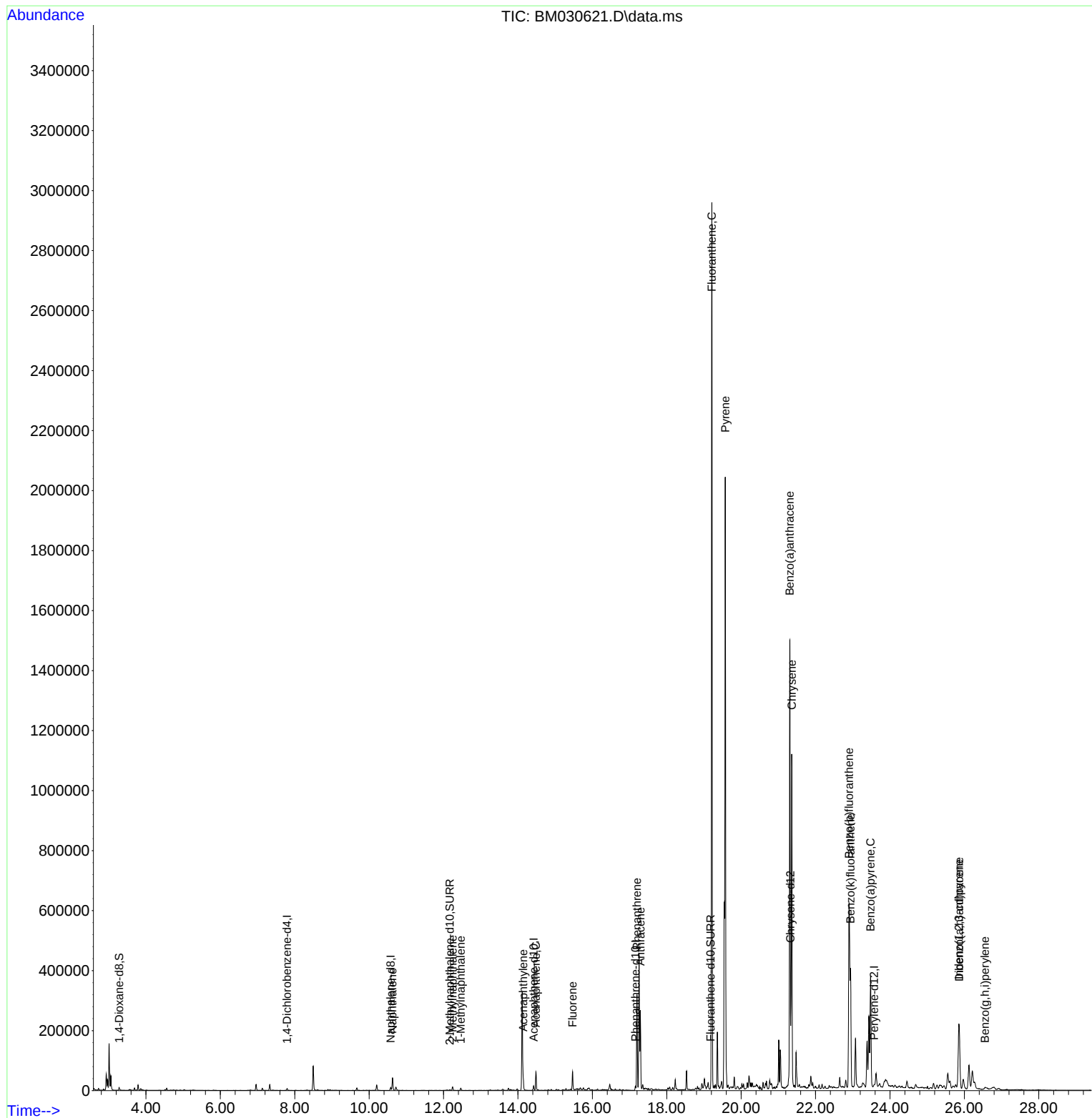
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062521\  
Data File : BM030621.D  
Acq On : 26 Jun 2021 04:14  
Operator : CG/JU  
Sample : M2682-06  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

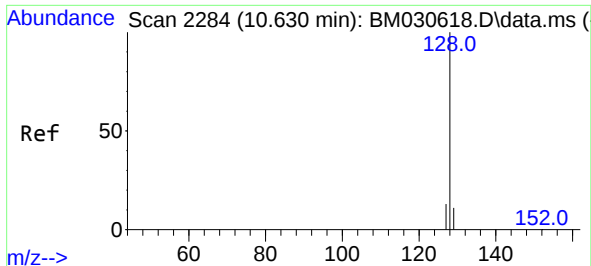
Instrument :  
BNA\_M  
ClientSampleId :  
BGDE4

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Quant Time: Jun 26 05:09:17 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM062321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jun 26 03:50:10 2021  
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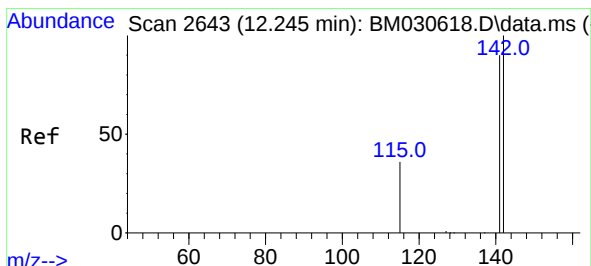
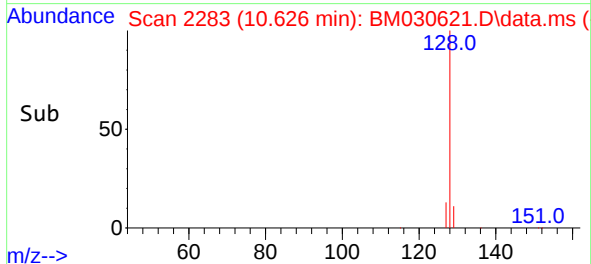
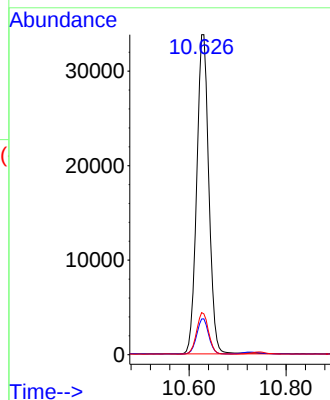
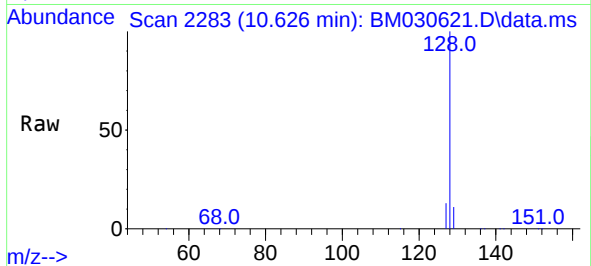
#5  
Naphthalene  
Concen: 1.456 ng/ul  
RT: 10.626 min Scan# 2283  
Delta R.T. -0.009 min  
Lab File: BM030621.D  
Acq: 26 Jun 2021 04:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 58622 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.2  | 9.0   | 13.6  |
| 127       | 13.1  | 10.9  | 16.3  |

Instrument :  
BNA\_M  
ClientSampled :  
BGDE4

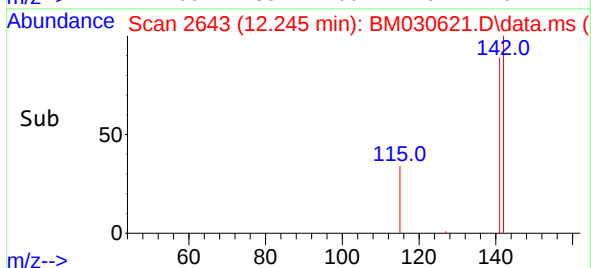
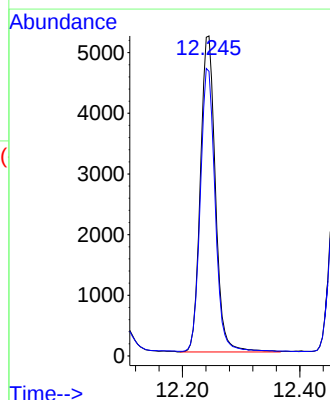
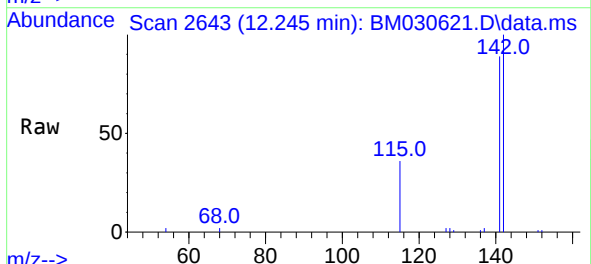
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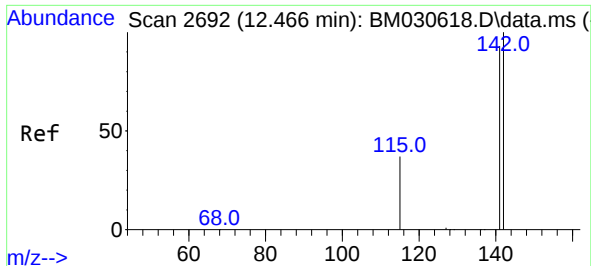
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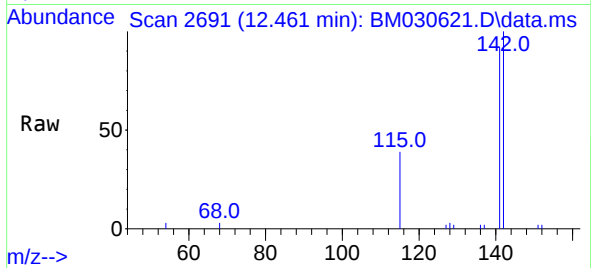
#7  
2-Methylnaphthalene  
Concen: 0.341 ng/ul  
RT: 12.245 min Scan# 2643  
Delta R.T. -0.005 min  
Lab File: BM030621.D  
Acq: 26 Jun 2021 04:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 9261  |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 88.2  | 71.4  | 107.0 |

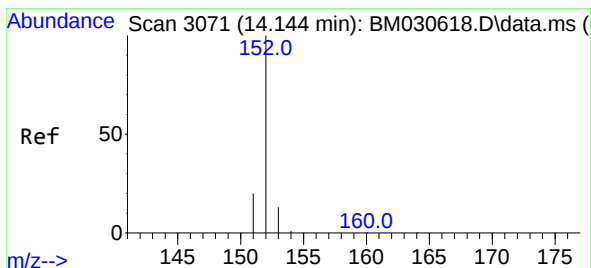
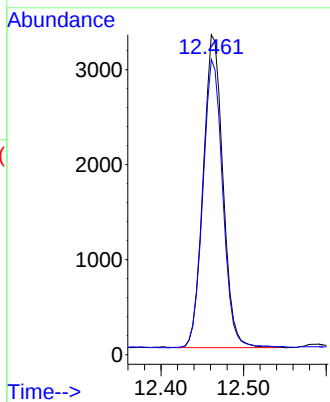
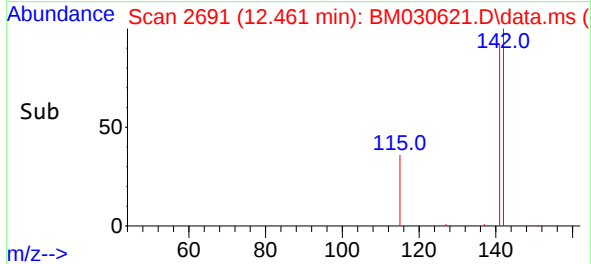




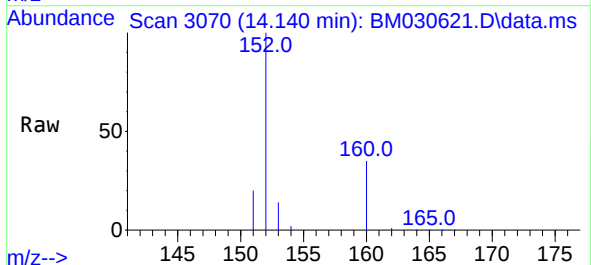
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1-Methylnaphthalene  
Concen: 0.207 ng/ul  
RT: 12.461 min Scan# 2691  
Delta R.T. -0.005 min  
Lab File: BM030621.D  
Acq: 26 Jun 2021 04:14



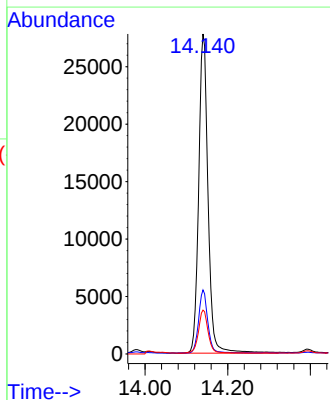
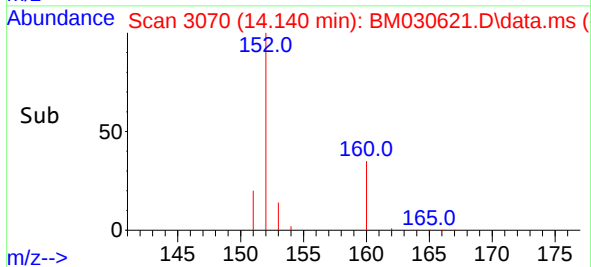
Tgt Ion:142 Resp: 5464  
Ion Ratio Lower Upper  
142 100  
141 92.6 73.4 110.0



#10  
Acenaphthylene  
Concen: 1.110 ng/ul  
RT: 14.140 min Scan# 3070  
Delta R.T. -0.004 min  
Lab File: BM030621.D  
Acq: 26 Jun 2021 04:14



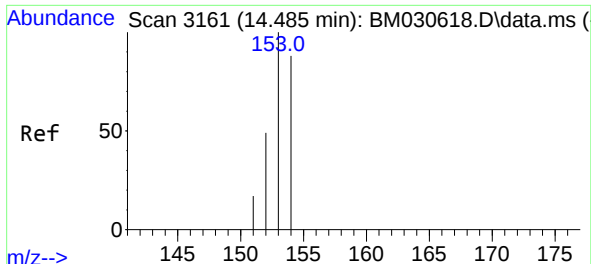
Tgt Ion:152 Resp: 43636  
Ion Ratio Lower Upper  
152 100  
151 20.0 15.5 23.3  
153 13.7 10.7 16.1



Instrument :  
BNA\_M  
ClientSampled :  
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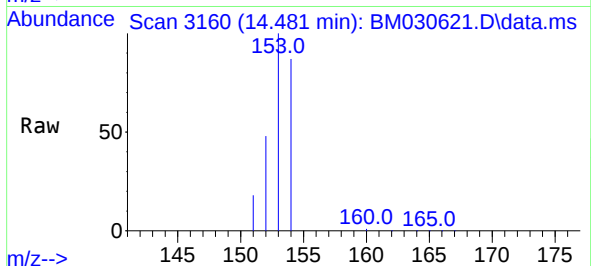
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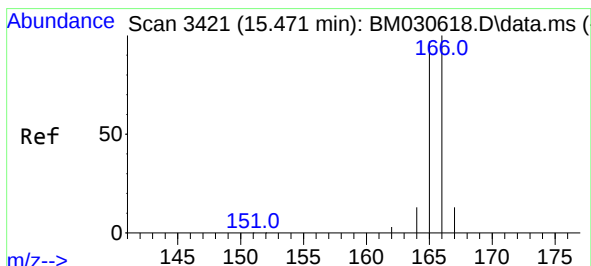
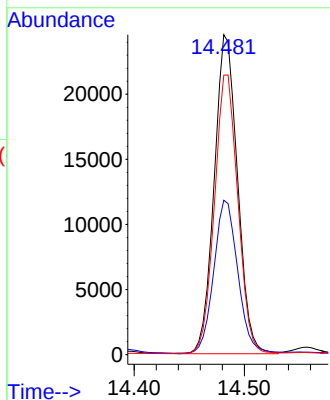
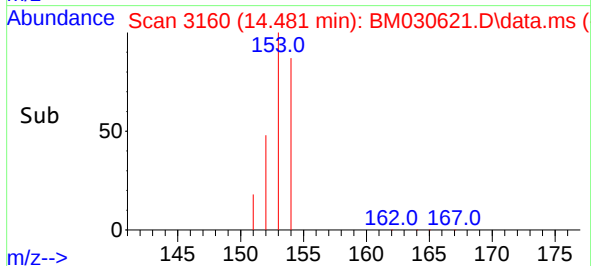


#11  
Acenaphthene  
Concen: 1.123 ng/ul  
RT: 14.481 min Scan# 3160  
Delta R.T. -0.004 min  
Lab File: BM030621.D  
Acq: 26 Jun 2021 04:14

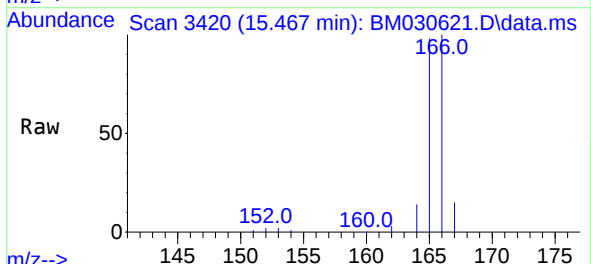
Instrument :  
BNA\_M  
ClientSampled :  
BGDE4



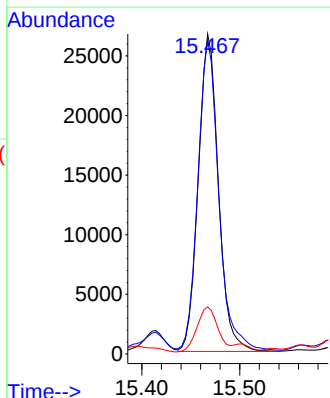
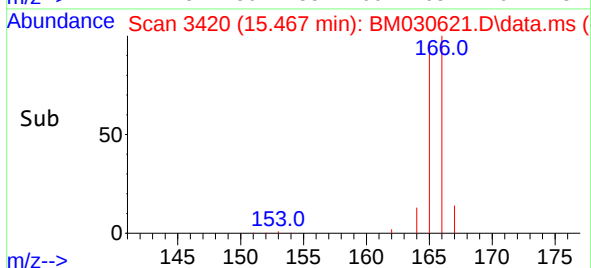
Tgt Ion:153 Resp: 35977  
Ion Ratio Lower Upper  
153 100  
152 48.2 40.2 60.2  
154 87.4 71.2 106.8

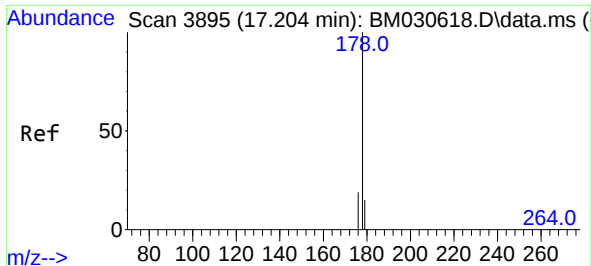


#12  
Fluorene  
Concen: 1.070 ng/ul  
RT: 15.467 min Scan# 3420  
Delta R.T. -0.008 min  
Lab File: BM030621.D  
Acq: 26 Jun 2021 04:14



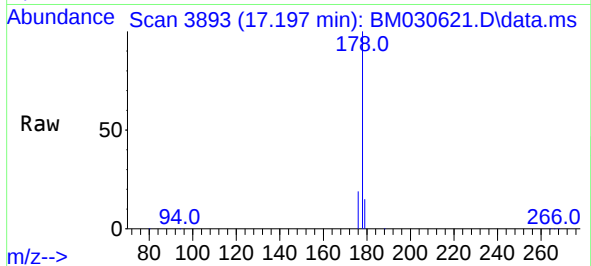
Tgt Ion:166 Resp: 37953  
Ion Ratio Lower Upper  
166 100  
165 98.1 77.7 116.5  
167 14.7 11.3 16.9





#15  
Phenanthrene  
Concen: 5.575 ng/u1  
RT: 17.197 min Scan# 3893  
Delta R.T. -0.007 min  
Lab File: BM030621.D  
Acq: 26 Jun 2021 04:14

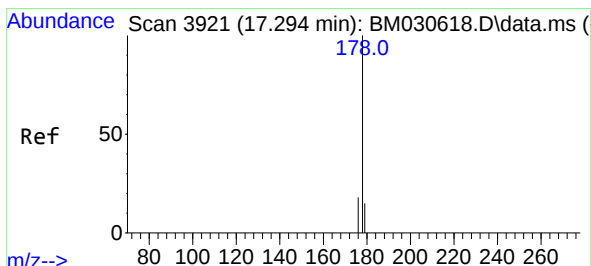
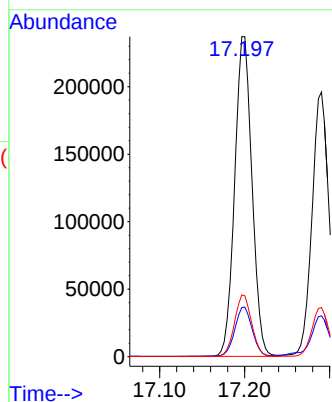
Instrument :  
BNA\_M  
ClientSampled :  
BGDE4



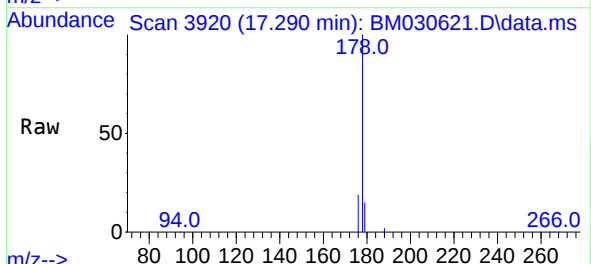
Tgt Ion:178 Resp: 334415  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.6 19.0  
176 19.3 15.5 23.3

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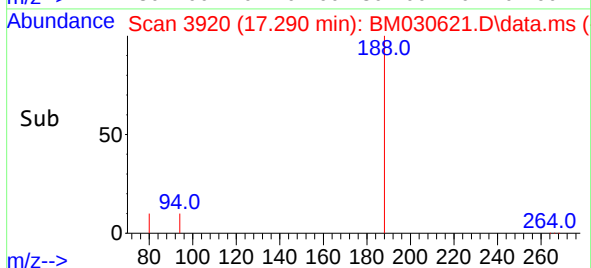
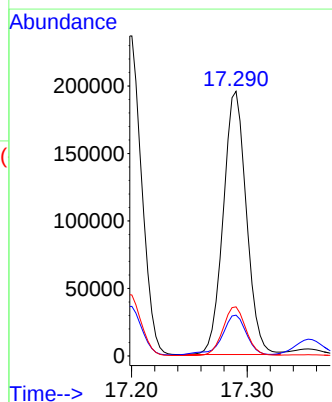
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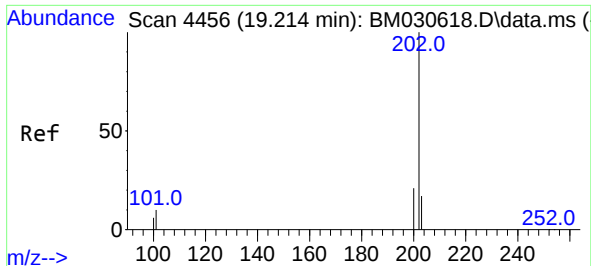


#16  
Anthracene  
Concen: 5.169 ng/u1  
RT: 17.290 min Scan# 3920  
Delta R.T. -0.007 min  
Lab File: BM030621.D  
Acq: 26 Jun 2021 04:14



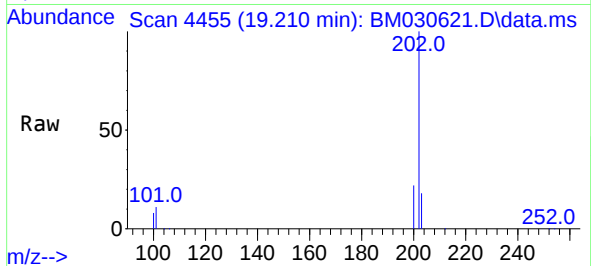
Tgt Ion:178 Resp: 271626  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.7 19.1  
176 18.6 15.2 22.8





#19  
Fluoranthene  
Concen: 37.963 ng/u1  
RT: 19.210 min Scan# 4455  
Delta R.T. -0.004 min  
Lab File: BM030621.D  
Acq: 26 Jun 2021 04:14

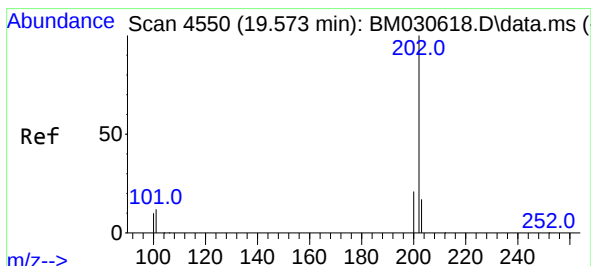
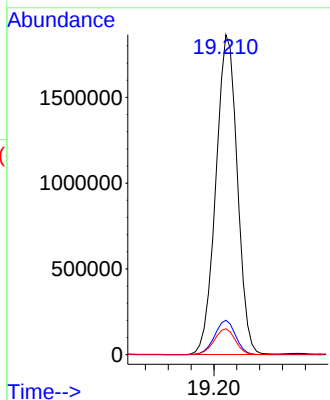
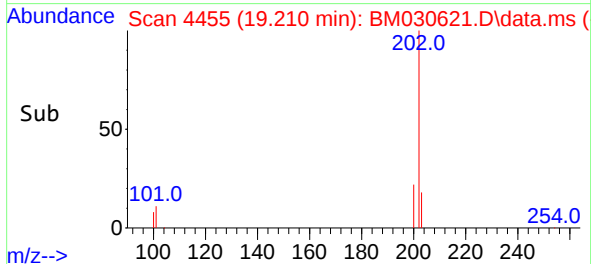
Instrument :  
BNA\_M  
ClientSampleId :  
BGDE4



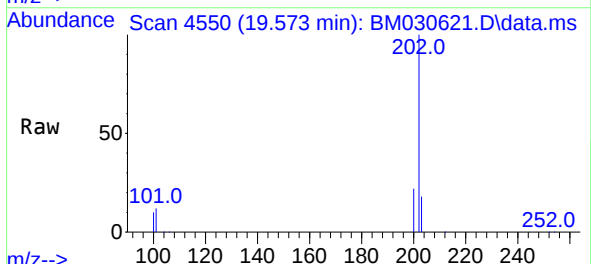
Tgt Ion:202 Resp: 2428009  
Ion Ratio Lower Upper  
202 100  
101 10.7 8.8 13.2  
100 8.1 6.9 10.3

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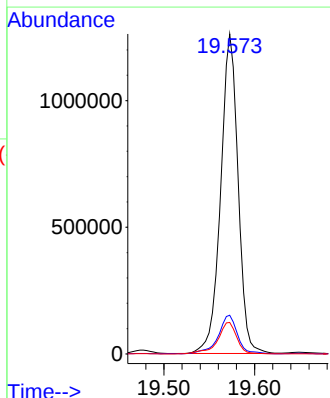
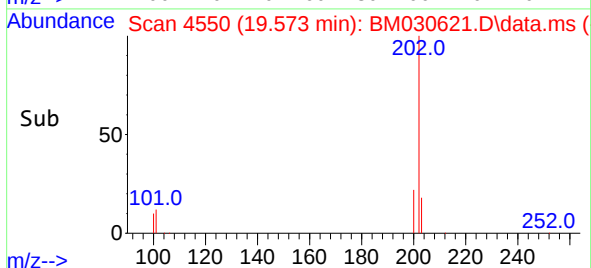
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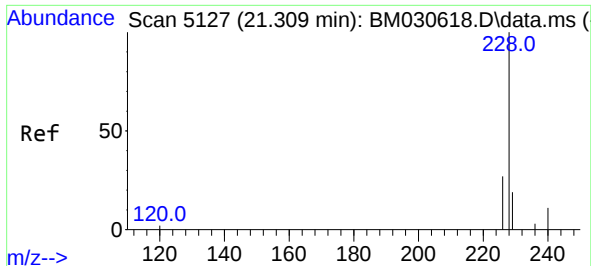


#20  
Pyrene  
Concen: 25.742 ng/u1  
RT: 19.573 min Scan# 4550  
Delta R.T. -0.004 min  
Lab File: BM030621.D  
Acq: 26 Jun 2021 04:14



Tgt Ion:202 Resp: 1686685  
Ion Ratio Lower Upper  
202 100  
101 12.1 10.1 15.1  
100 9.9 8.2 12.2





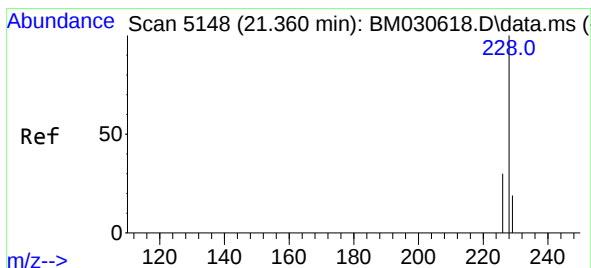
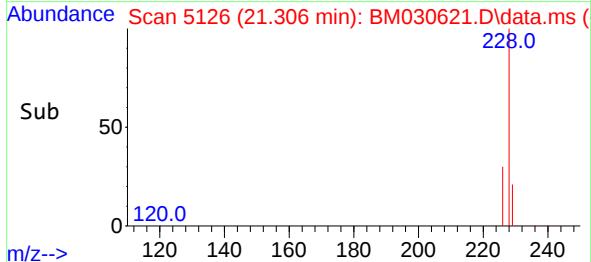
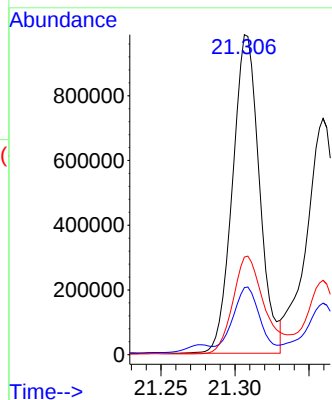
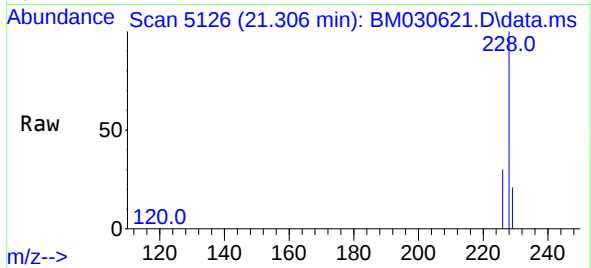
#21  
Benzo(a)anthracene  
Concen: 22.523 ng/ul  
RT: 21.306 min Scan# 5126  
Delta R.T. -0.007 min  
Lab File: BM030621.D  
Acq: 26 Jun 2021 04:14

Tgt Ion:228 Resp: 1244680  
Ion Ratio Lower Upper  
228 100  
229 21.0 15.8 23.6  
226 30.5 22.2 33.4

Instrument :  
BNA\_M  
ClientSampled :  
BGDE4

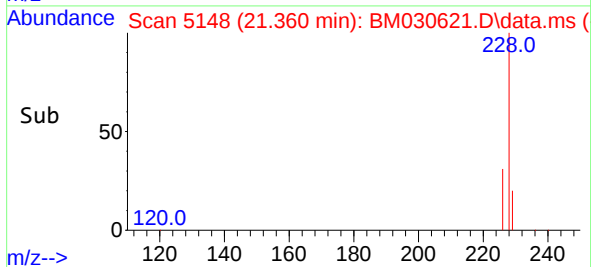
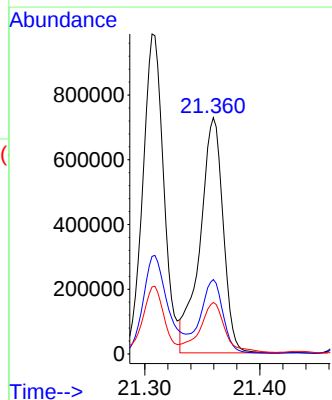
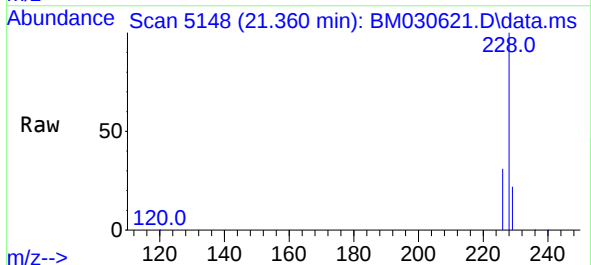
Manual Integrations  
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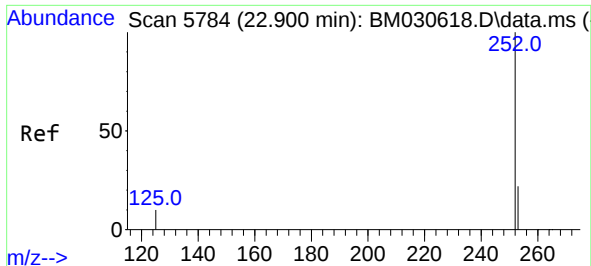
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#22  
Chrysene  
Concen: 16.491 ng/ul  
RT: 21.360 min Scan# 5148  
Delta R.T. -0.005 min  
Lab File: BM030621.D  
Acq: 26 Jun 2021 04:14

Tgt Ion:228 Resp: 1011728  
Ion Ratio Lower Upper  
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226 31.5 24.4 36.6  
229 21.8 15.4 23.0





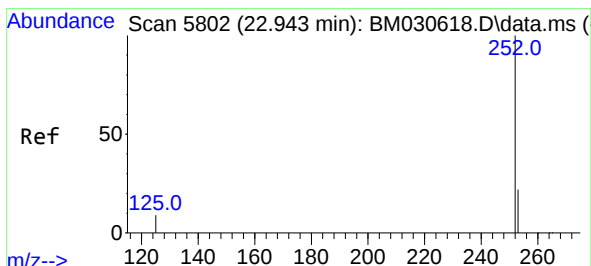
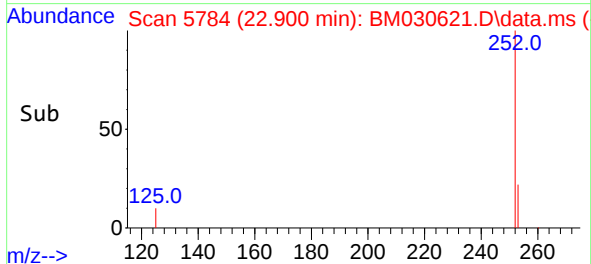
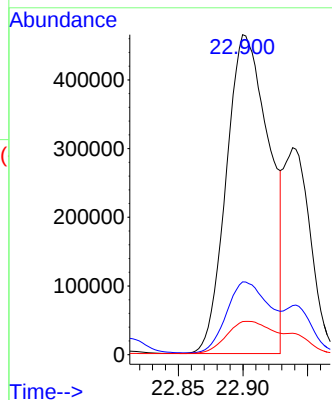
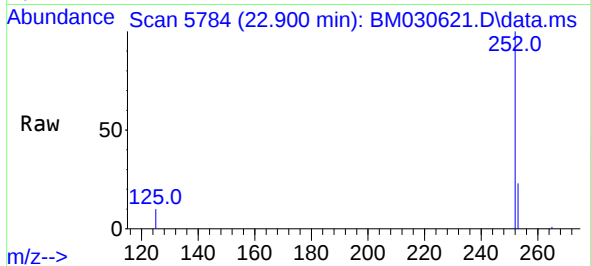
#24  
Benzo(b)fluoranthene  
Concen: 20.174 ng/ul m  
RT: 22.900 min Scan# 5784  
Delta R.T. -0.007 min  
Lab File: BM030621.D  
Acq: 26 Jun 2021 04:14

Tgt Ion:252 Resp: 1066334  
Ion Ratio Lower Upper  
252 100  
253 22.8 0.0 50.2  
125 10.4 0.0 27.8

Instrument :  
BNA\_M  
ClientSampleId :  
BGDE4

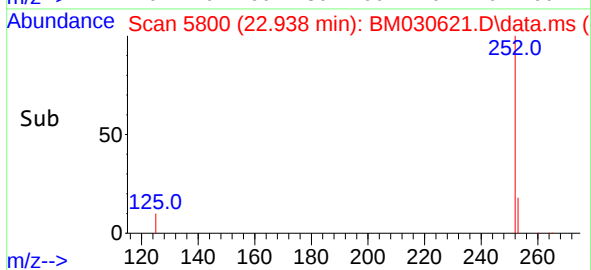
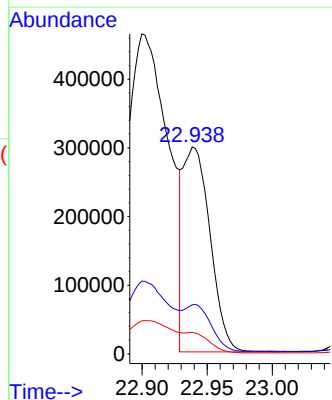
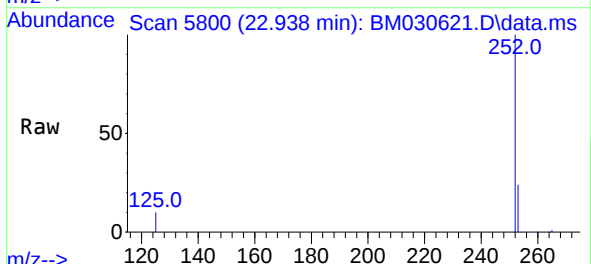
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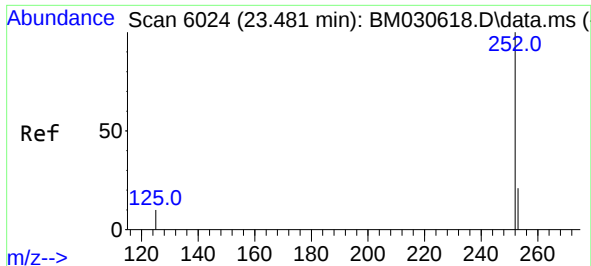
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#25  
Benzo(k)fluoranthene  
Concen: 7.733 ng/ul m  
RT: 22.938 min Scan# 5800  
Delta R.T. -0.015 min  
Lab File: BM030621.D  
Acq: 26 Jun 2021 04:14

Tgt Ion:252 Resp: 428710  
Ion Ratio Lower Upper  
252 100  
253 23.8 20.6 31.0  
125 10.4 11.0 16.4#





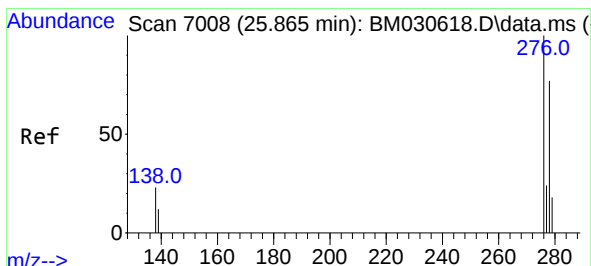
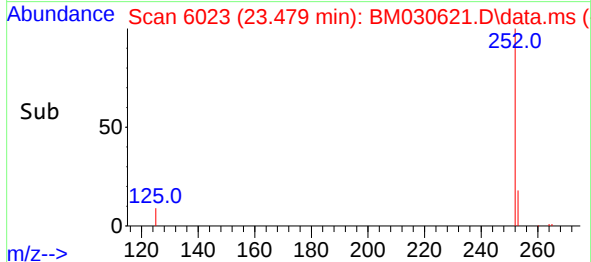
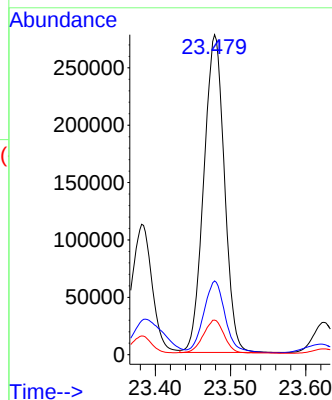
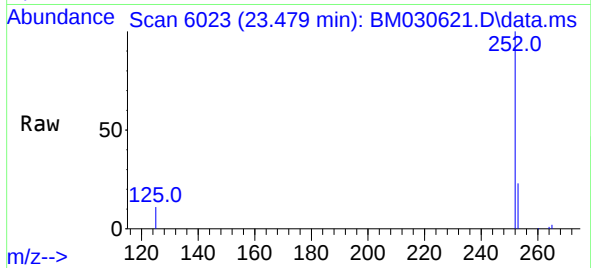
#26  
Benzo(a)pyrene  
Concen: 11.215 ng/ul  
RT: 23.479 min Scan# 6023  
Delta R.T. -0.010 min  
Lab File: BM030621.D  
Acq: 26 Jun 2021 04:14

Tgt Ion:252 Resp: 526024  
Ion Ratio Lower Upper  
252 100  
253 23.1 22.0 33.0  
125 10.8 13.4 20.2#

Instrument :  
BNA\_M  
ClientSampleId :  
BGDE4

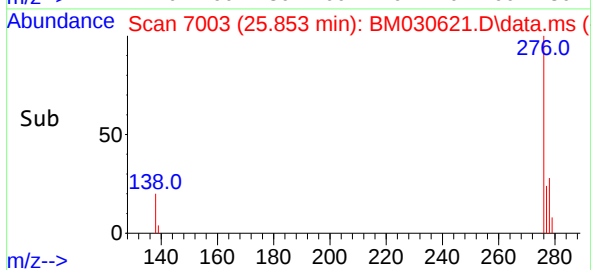
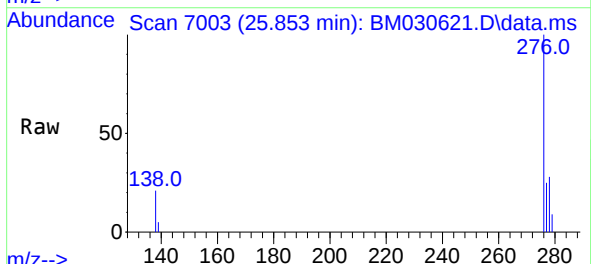
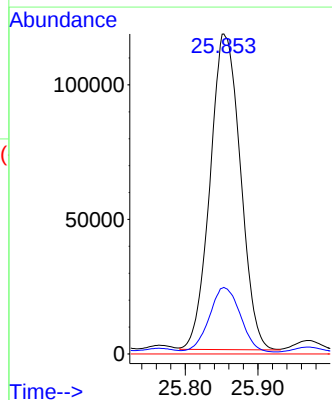
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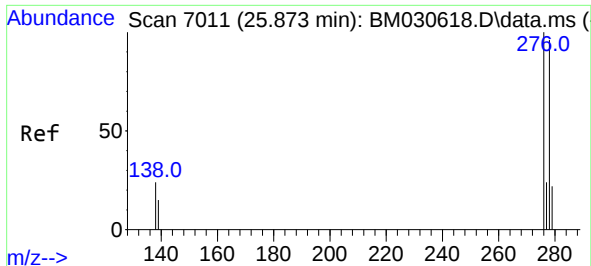
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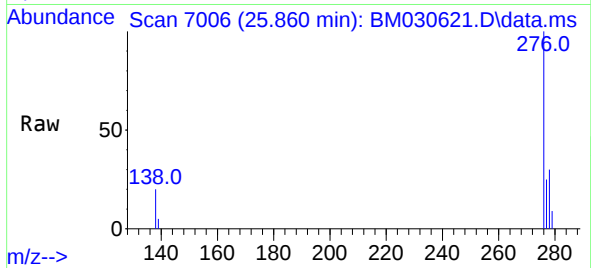
#27  
Indeno(1,2,3-cd)pyrene  
Concen: 5.710 ng/ul  
RT: 25.853 min Scan# 7003  
Delta R.T. -0.019 min  
Lab File: BM030621.D  
Acq: 26 Jun 2021 04:14

Tgt Ion:276 Resp: 340544  
Ion Ratio Lower Upper  
276 100  
138 20.9 19.1 28.7  
227 0.0 0.0 0.0

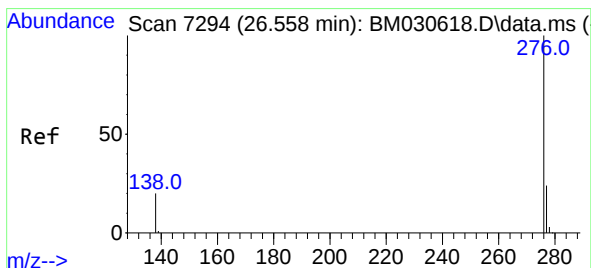
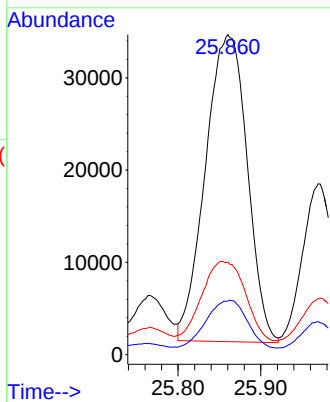
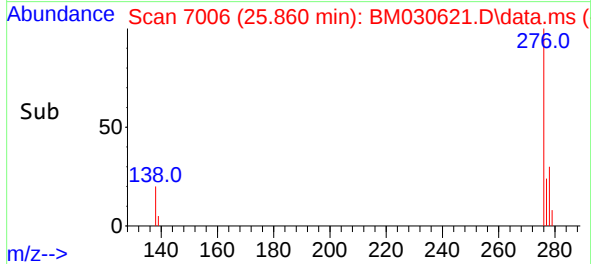




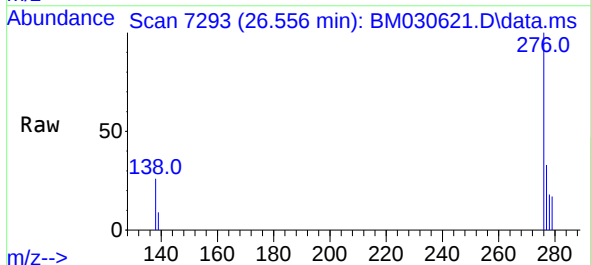
#28  
Dibenzo(a,h)anthracene  
Concen: 2.451 ng/ul  
RT: 25.860 min Scan# 7006  
Delta R.T. -0.027 min  
Lab File: BM030621.D  
Acq: 26 Jun 2021 04:14



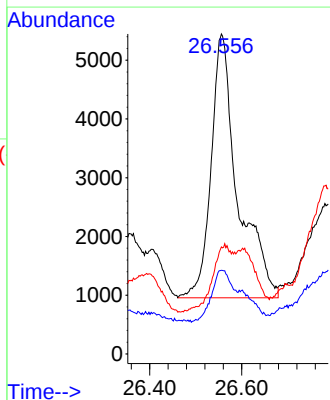
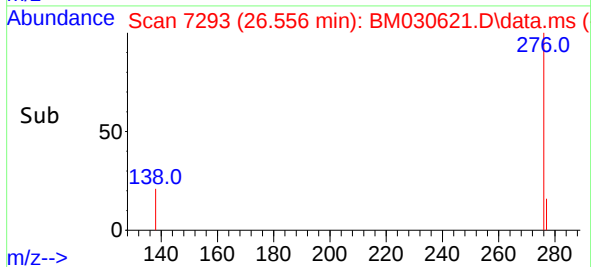
Tgt Ion:278 Resp: 116581  
Ion Ratio Lower Upper  
278 100  
139 16.8 14.2 21.4  
279 28.9 21.6 32.4



#29  
Benzo(g,h,i)perylene  
Concen: 0.351 ng/ul  
RT: 26.556 min Scan# 7293  
Delta R.T. -0.012 min  
Lab File: BM030621.D  
Acq: 26 Jun 2021 04:14



Tgt Ion:276 Resp: 18089  
Ion Ratio Lower Upper  
276 100  
138 26.2 18.0 27.0  
277 33.5 19.5 29.3#



Instrument :  
BNA\_M  
ClientSampled :  
BGDE4

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