

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM092721\  
 Data File : BM032257.D  
 Acq On : 29 Sep 2021 01:53  
 Operator : CG/JU  
 Sample : M3755-03  
 Misc :  
 ALS Vial : 62 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AH9

Manual Integrations  
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 9/29/2021 12:52:29 PM

Quant Time: Sep 29 06:12:58 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM092721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 27 13:37:22 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.657  | 152  | 6698     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.447 | 136  | 20494    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.300 | 164  | 9400     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.026 | 188  | 17017    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.186 | 240  | 14002    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.351 | 264  | 13033    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 2.986  | 96   | 15616    | 2.169 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.039 | 152  | 3542     | 0.130 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.046 | 212  | 6135     | 0.161 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.496 | 128  | 3848     | 0.063 | ng/ul# | 94       |
| 7) 2-Methylnaphthalene      | 12.111 | 142  | 2112     | 0.054 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.331 | 142  | 1773     | 0.047 | ng/ul  | 97       |
| 10) Acenaphthylene          | 14.016 | 152  | 1193     | 0.032 | ng/ul# | 74       |
| 11) Acenaphthene            | 14.361 | 153  | 4088     | 0.118 | ng/ul  | 98       |
| 12) Fluorene                | 15.343 | 166  | 5402     | 0.137 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.067 | 178  | 70635    | 1.275 | ng/ul  | 99       |
| 16) Anthracene              | 17.154 | 178  | 11066    | 0.242 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.076 | 202  | 119841   | 2.050 | ng/ul  | 100      |
| 20) Pyrene                  | 19.438 | 202  | 102675   | 1.752 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.171 | 228  | 44562    | 0.900 | ng/ul  | 99       |
| 22) Chrysene                | 21.222 | 228  | 41054    | 0.708 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.706 | 252  | 54936m   | 0.813 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.740 | 252  | 21395m   | 0.327 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.254 | 252  | 39493    | 0.778 | ng/ul  | 95       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.488 | 276  | 24808    | 0.382 | ng/ul# | 93       |
| 28) Dibenzo(a,h)anthracene  | 25.485 | 278  | 6624     | 0.125 | ng/ul# | 78       |
| 29) Benzo(g,h,i)perylene    | 26.144 | 276  | 22641    | 0.368 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

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

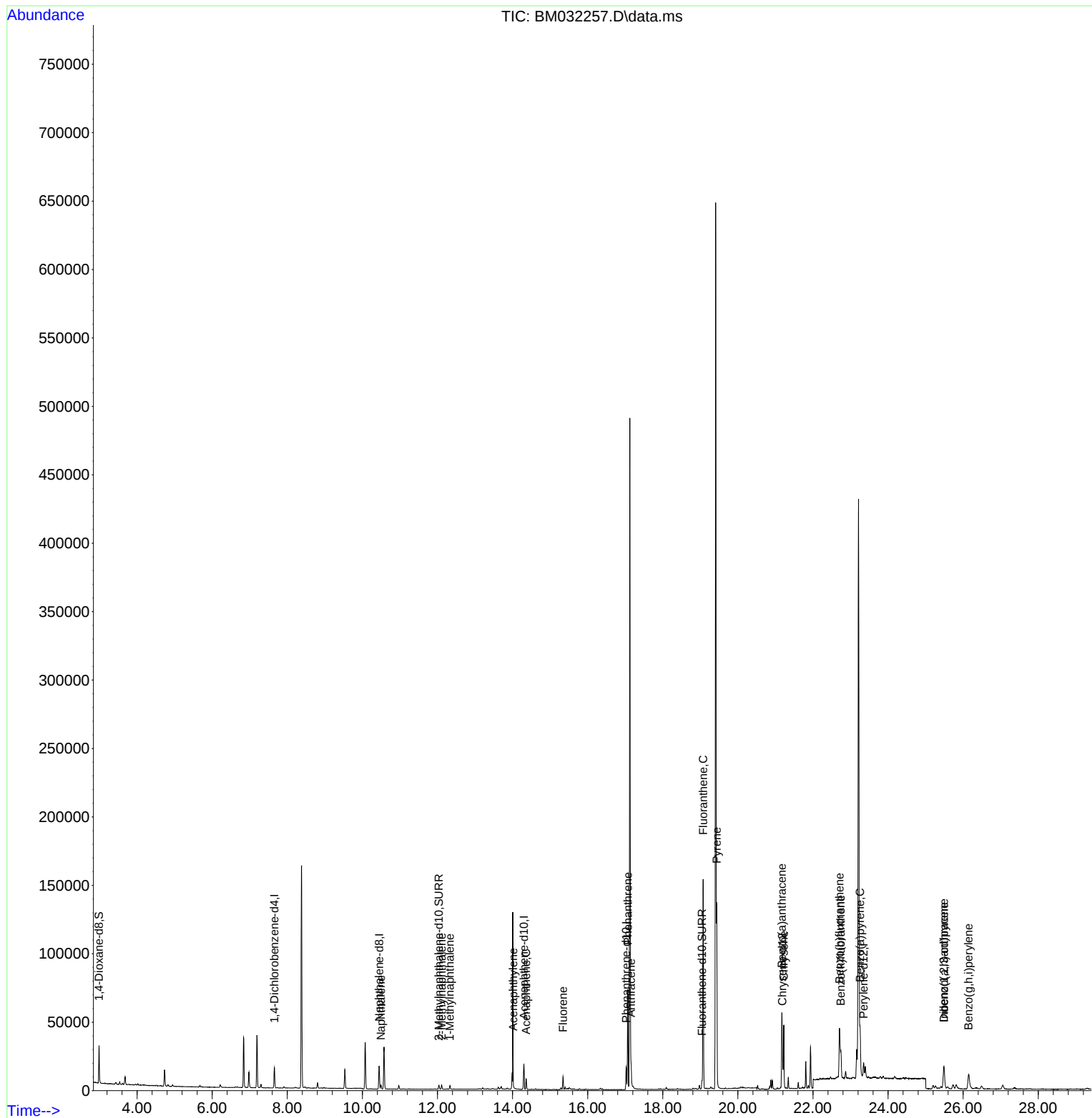
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Data File : BM032257.D  
Acq On : 29 Sep 2021 01:53  
Operator : CG/JU  
Sample : M3755-03  
Misc :  
ALS Vial : 62 Sample Multiplier: 1

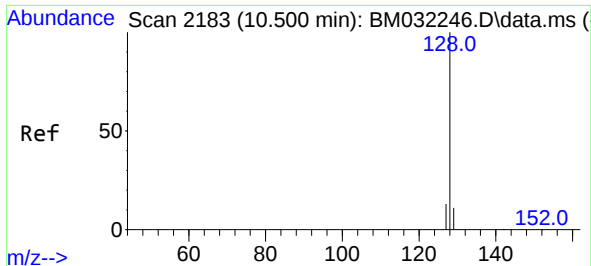
Instrument :  
BNA\_M  
ClientSampleId :  
C0AH9

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Quant Time: Sep 29 06:12:58 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM092721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 27 13:37:22 2021  
Response via : Initial Calibration





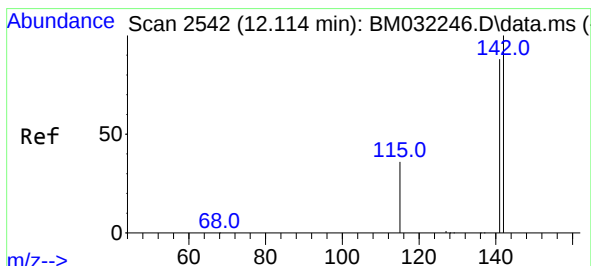
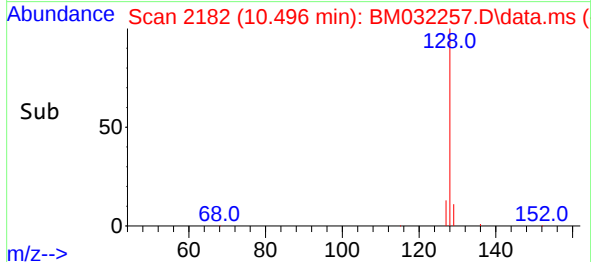
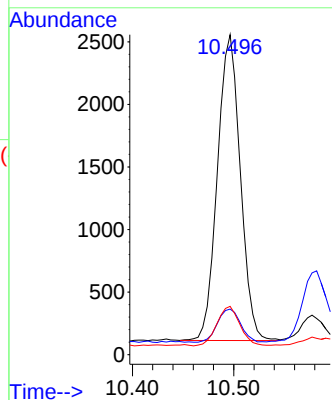
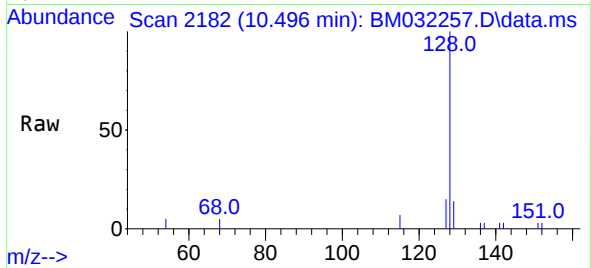
#5  
Naphthalene  
Concen: 0.063 ng/ul  
RT: 10.496 min Scan# 2182  
Delta R.T. -0.009 min  
Lab File: BM032257.D  
Acq: 29 Sep 2021 01:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 14.2  | 9.0   | 13.4# |
| 127     | 15.1  | 10.5  | 15.7  |

Instrument :  
BNA\_M  
ClientSampled :  
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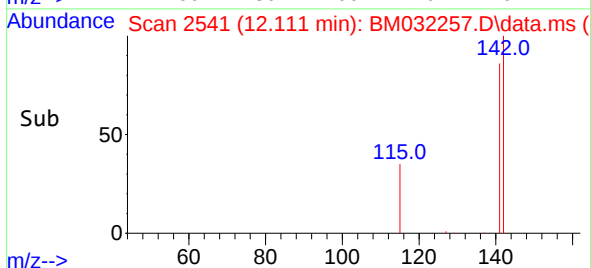
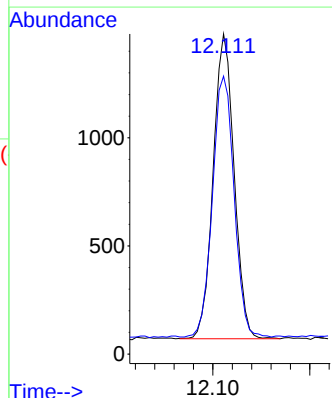
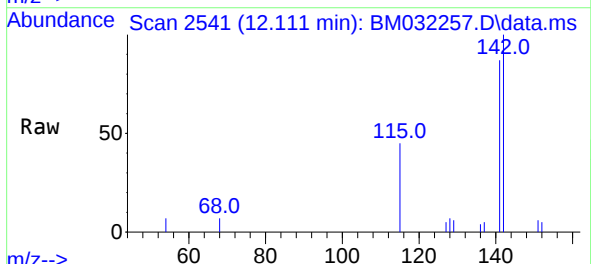
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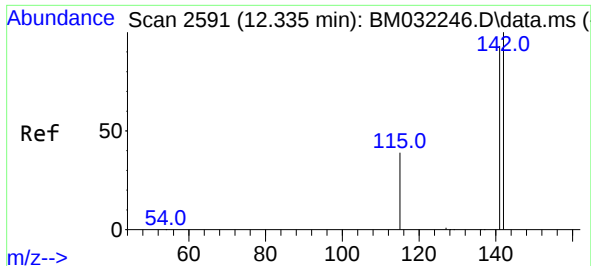
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#7  
2-Methylnaphthalene  
Concen: 0.054 ng/ul  
RT: 12.111 min Scan# 2541  
Delta R.T. -0.009 min  
Lab File: BM032257.D  
Acq: 29 Sep 2021 01:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.3  | 71.2  | 106.8 |





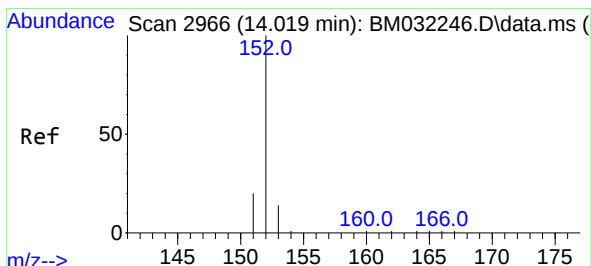
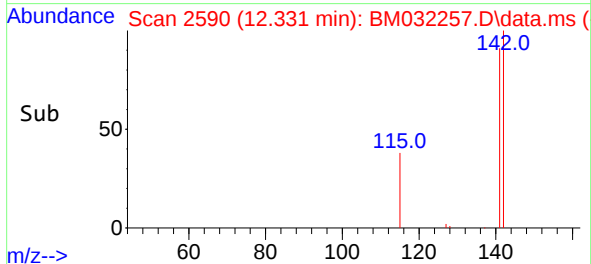
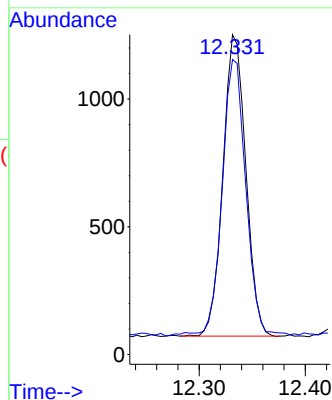
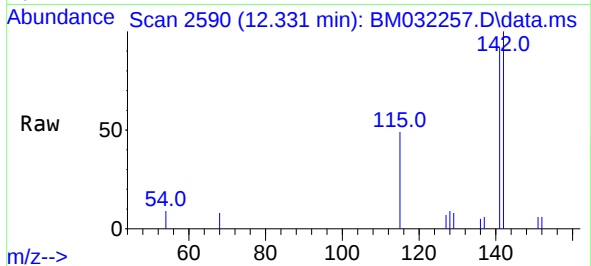
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1-Methylnaphthalene  
Concen: 0.047 ng/ul  
RT: 12.331 min Scan# 2590  
Delta R.T. -0.009 min  
Lab File: BM032257.D  
Acq: 29 Sep 2021 01:53

Tgt Ion:142 Resp: 1773  
Ion Ratio Lower Upper  
142 100  
141 95.1 73.8 110.6

Instrument :  
BNA\_M  
ClientSampled :  
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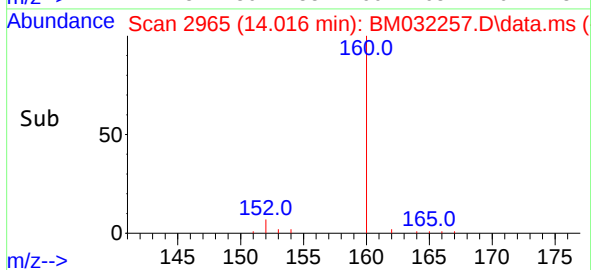
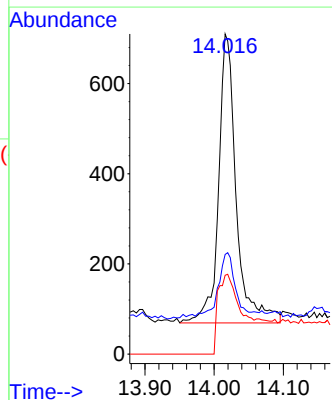
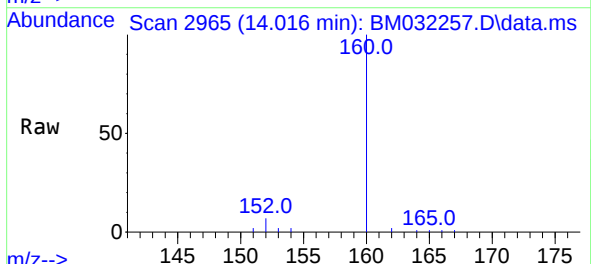
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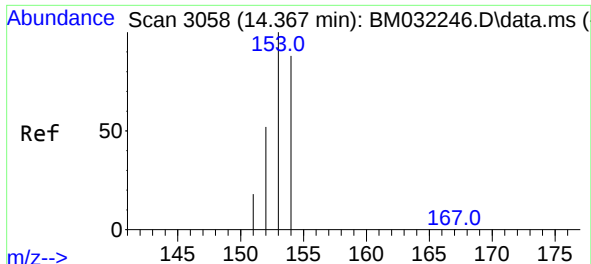
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#10  
Acenaphthylene  
Concen: 0.032 ng/ul  
RT: 14.016 min Scan# 2965  
Delta R.T. -0.008 min  
Lab File: BM032257.D  
Acq: 29 Sep 2021 01:53

Tgt Ion:152 Resp: 1193  
Ion Ratio Lower Upper  
152 100  
151 31.1 16.0 24.0#  
153 24.6 10.7 16.1#





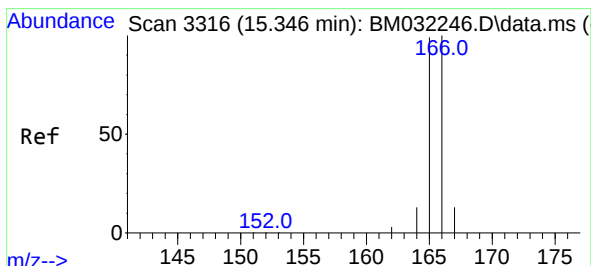
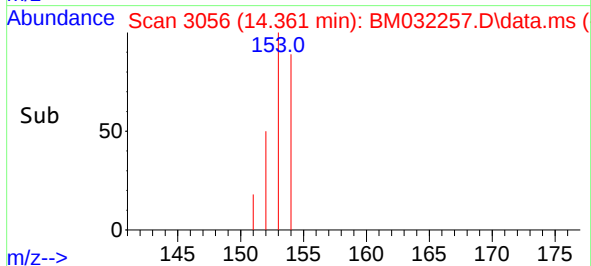
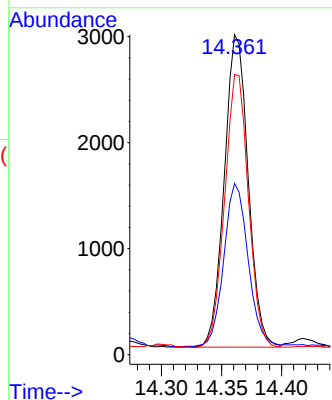
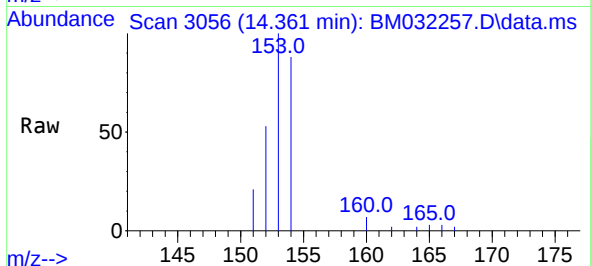
#11  
Acenaphthene  
Concen: 0.118 ng/u1  
RT: 14.361 min Scan# 3056  
Delta R.T. -0.008 min  
Lab File: BM032257.D  
Acq: 29 Sep 2021 01:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 153   | Resp: | 4088  |
| Ion      | Ratio | Lower | Upper |
| 153      | 100   |       |       |
| 152      | 53.5  | 41.6  | 62.4  |
| 154      | 87.5  | 71.2  | 106.8 |

Instrument :  
BNA\_M  
ClientSampled :  
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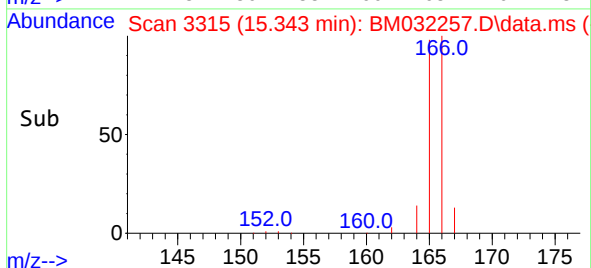
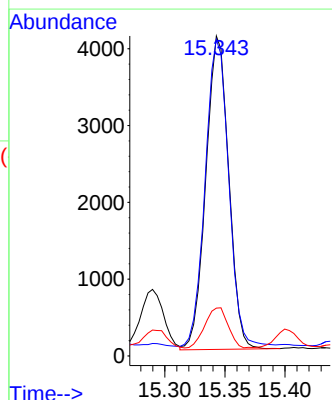
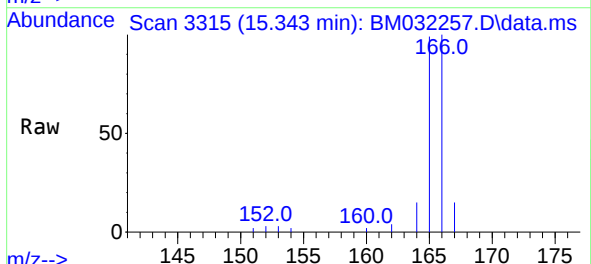
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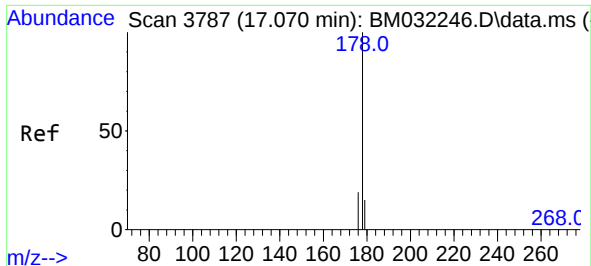
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#12  
Fluorene  
Concen: 0.137 ng/u1  
RT: 15.343 min Scan# 3315  
Delta R.T. -0.008 min  
Lab File: BM032257.D  
Acq: 29 Sep 2021 01:53

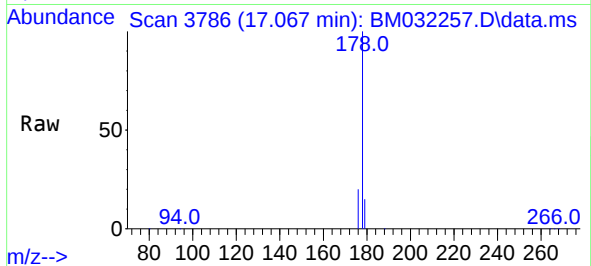
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 5402  |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 99.0  | 79.4  | 119.2 |
| 167      | 14.9  | 10.8  | 16.2  |





#15  
Phenanthrene  
Concen: 1.275 ng/ul  
RT: 17.067 min Scan# 3786  
Delta R.T. -0.007 min  
Lab File: BM032257.D  
Acq: 29 Sep 2021 01:53

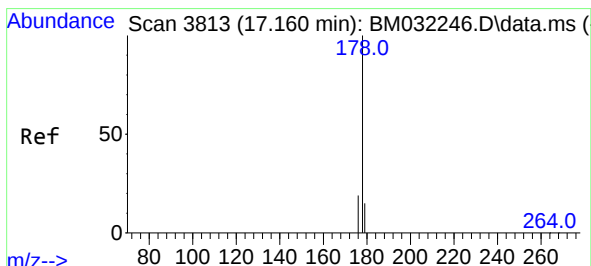
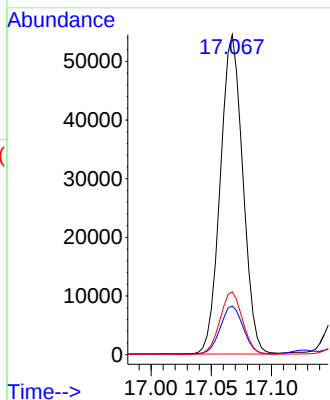
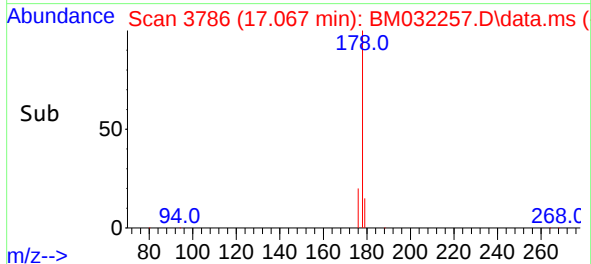
Instrument :  
BNA\_M  
ClientSampled :  
C0AH9



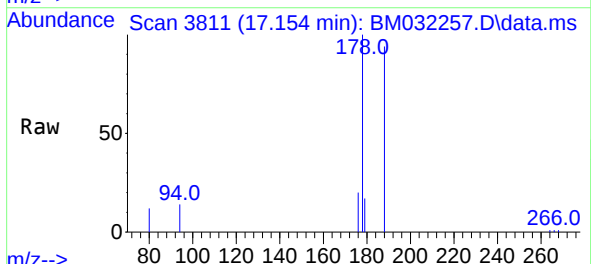
Tgt Ion:178 Resp: 70635  
Ion Ratio Lower Upper  
178 100  
179 15.2 12.6 18.8  
176 19.7 15.8 23.6

Manual Integrations  
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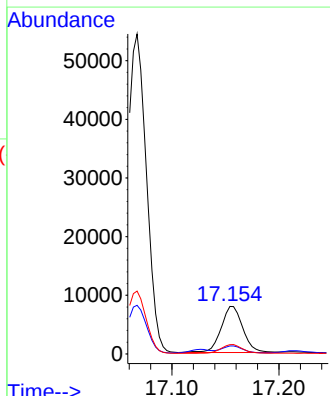
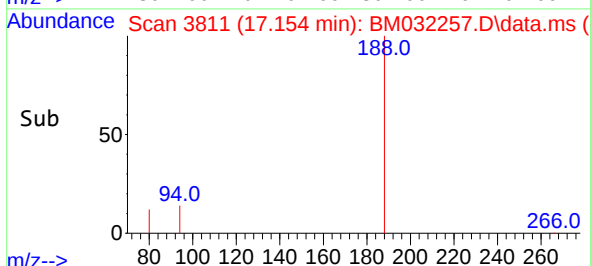
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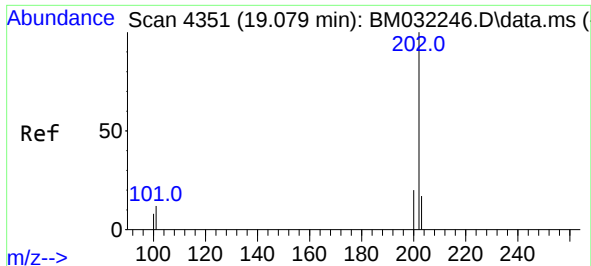


#16  
Anthracene  
Concen: 0.242 ng/ul  
RT: 17.154 min Scan# 3811  
Delta R.T. -0.011 min  
Lab File: BM032257.D  
Acq: 29 Sep 2021 01:53



Tgt Ion:178 Resp: 11066  
Ion Ratio Lower Upper  
178 100  
179 16.8 12.7 19.1  
176 19.6 15.3 22.9





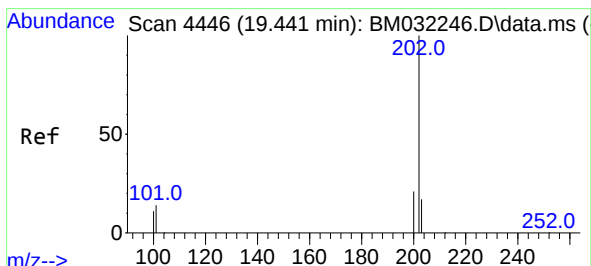
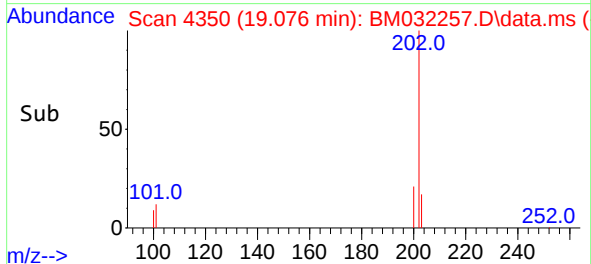
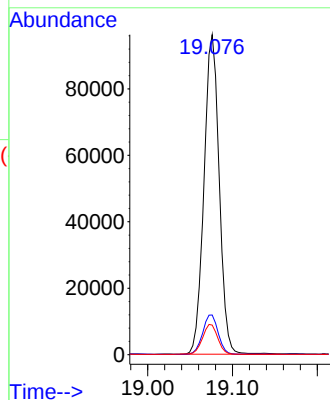
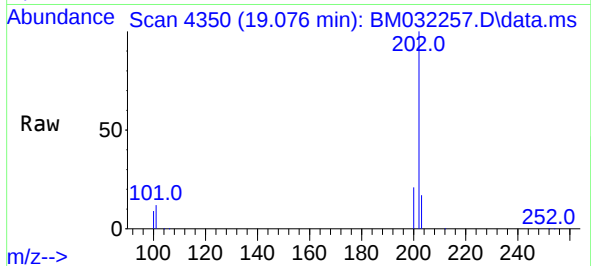
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Fluoranthene  
Concen: 2.050 ng/ul  
RT: 19.076 min Scan# 4350  
Delta R.T. -0.008 min  
Lab File: BM032257.D  
Acq: 29 Sep 2021 01:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 119841 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 12.4  | 9.8   | 14.8   |
| 100       | 9.2   | 7.2   | 10.8   |

Instrument :  
BNA\_M  
ClientSampled :  
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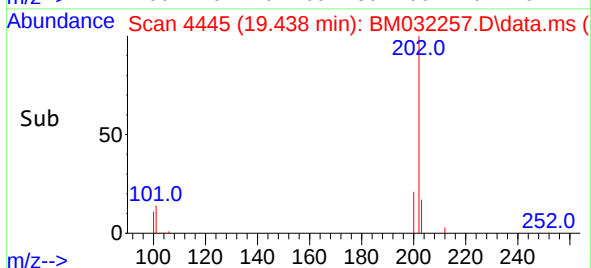
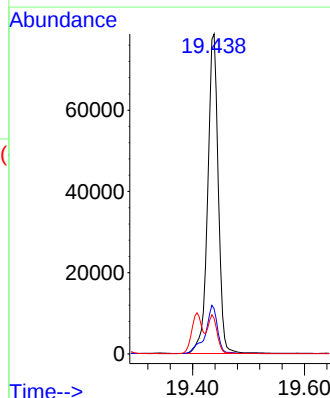
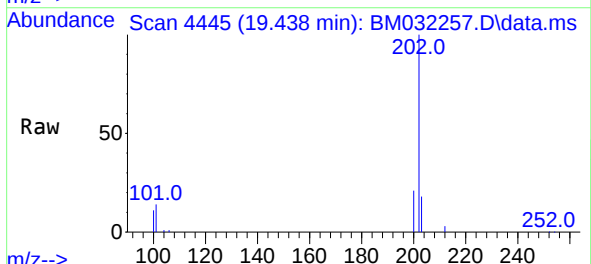
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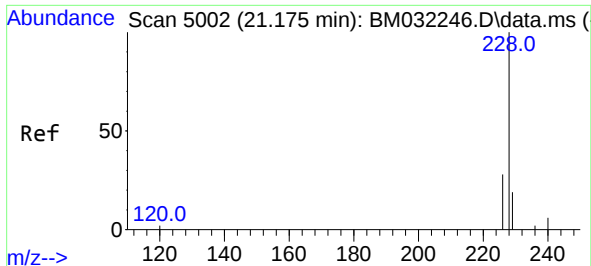
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#20  
Pyrene  
Concen: 1.752 ng/ul  
RT: 19.438 min Scan# 4445  
Delta R.T. -0.004 min  
Lab File: BM032257.D  
Acq: 29 Sep 2021 01:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 102675 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 14.1  | 12.1  | 18.1   |
| 100       | 11.1  | 9.8   | 14.6   |





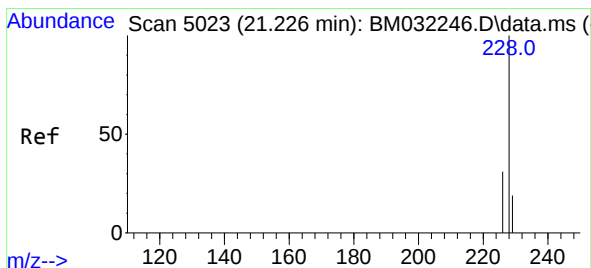
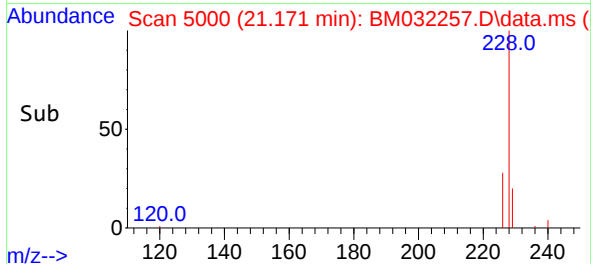
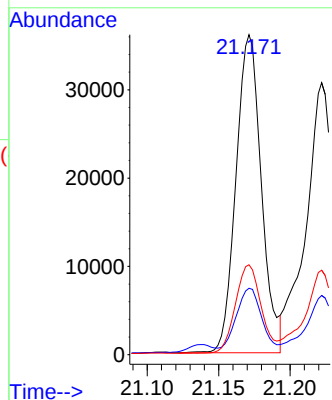
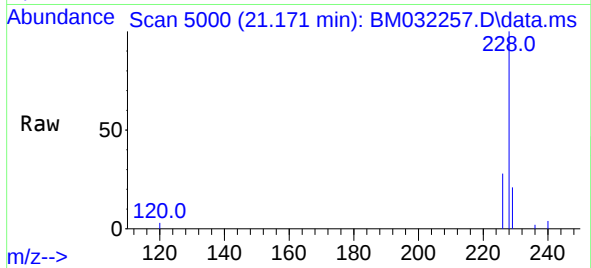
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Benzo(a)anthracene  
Concen: 0.900 ng/u1  
RT: 21.171 min Scan# 5000  
Delta R.T. -0.007 min  
Lab File: BM032257.D  
Acq: 29 Sep 2021 01:53

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 44562     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 229         | 20.7  | 16.0 24.0 |
| 226         | 28.1  | 22.3 33.5 |

Instrument :  
BNA\_M  
ClientSampled :  
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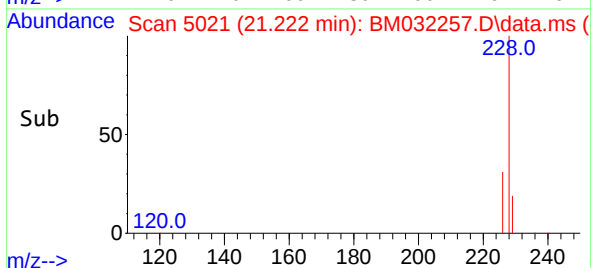
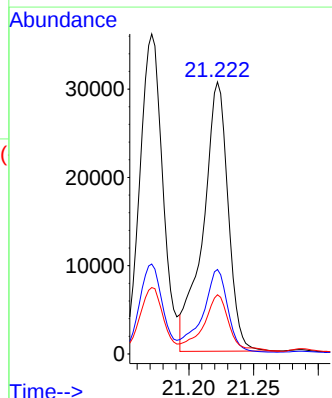
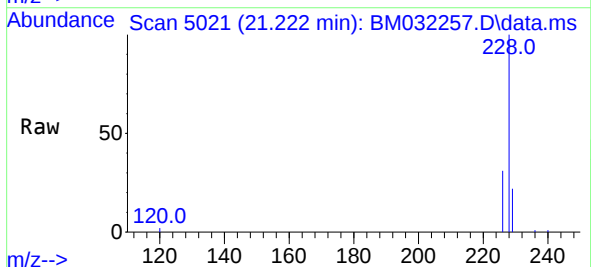
Manual Integrations  
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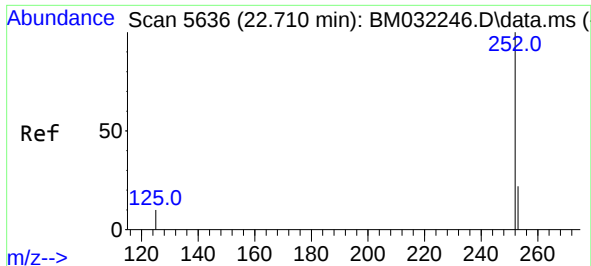
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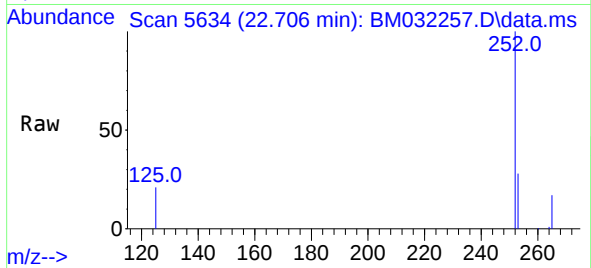
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Chrysene  
Concen: 0.708 ng/u1  
RT: 21.222 min Scan# 5021  
Delta R.T. -0.007 min  
Lab File: BM032257.D  
Acq: 29 Sep 2021 01:53

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 41054     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 31.0  | 24.6 37.0 |
| 229         | 21.8  | 15.6 23.4 |

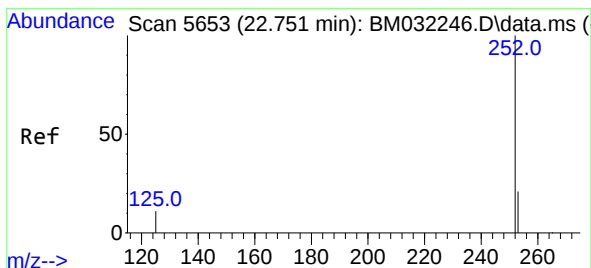
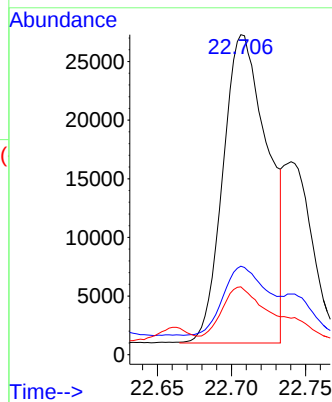
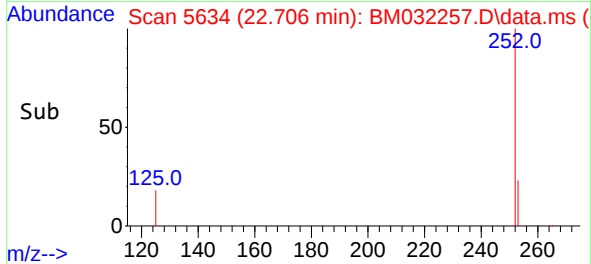




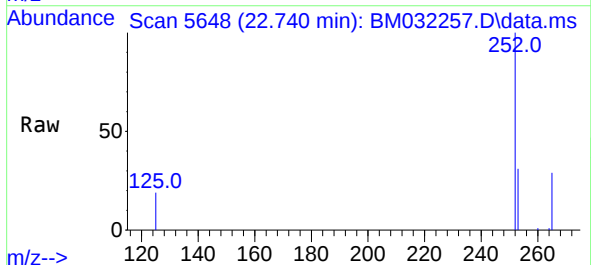
#24  
Benzo(b)fluoranthene  
Concen: 0.813 ng/ul m  
RT: 22.706 min Scan# 5634  
Delta R.T. -0.007 min  
Lab File: BM032257.D  
Acq: 29 Sep 2021 01:53



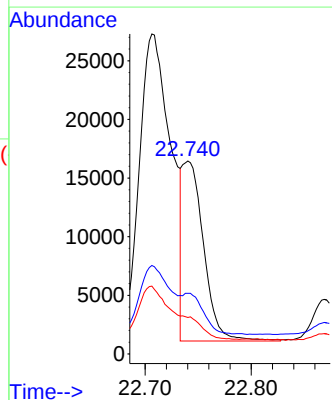
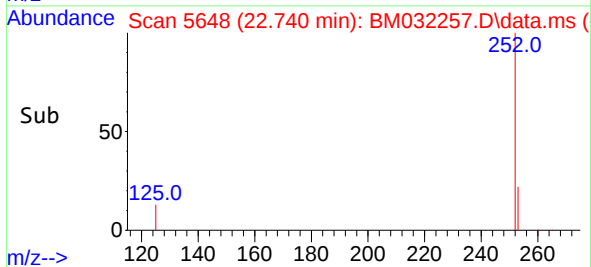
Tgt Ion:252 Resp: 54936  
Ion Ratio Lower Upper  
252 100  
253 27.6 0.0 58.0  
125 21.2 0.0 31.4



#25  
Benzo(k)fluoranthene  
Concen: 0.327 ng/ul m  
RT: 22.740 min Scan# 5648  
Delta R.T. -0.015 min  
Lab File: BM032257.D  
Acq: 29 Sep 2021 01:53



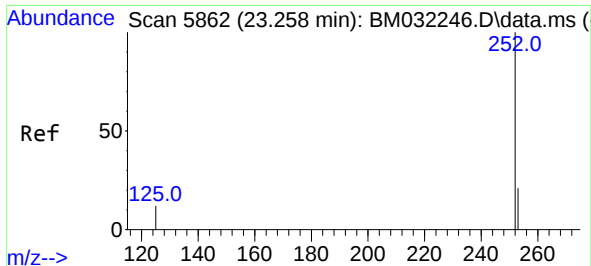
Tgt Ion:252 Resp: 21395  
Ion Ratio Lower Upper  
252 100  
253 31.5 22.9 34.3  
125 18.9 12.9 19.3



Instrument :  
BNA\_M  
ClientSampled :  
C0AH9

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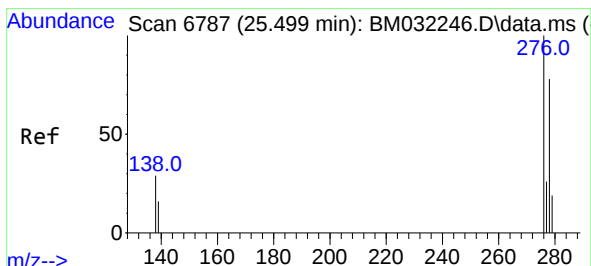
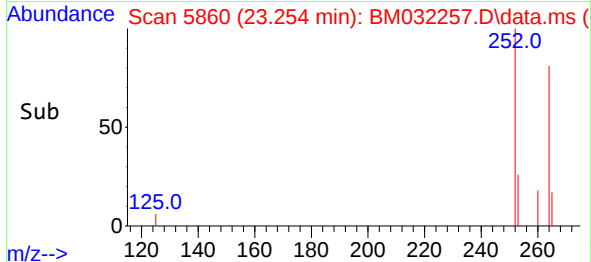
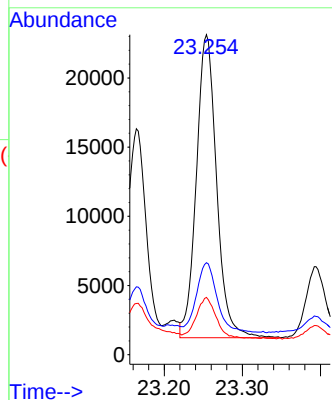
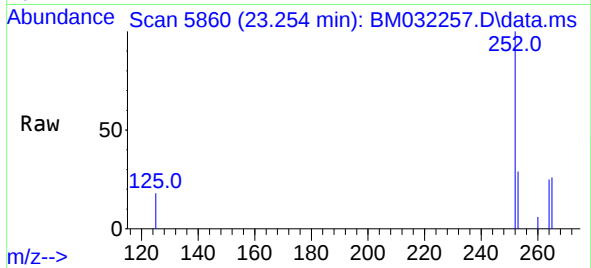
#26  
Benzo(a)pyrene  
Concen: 0.778 ng/ul  
RT: 23.254 min Scan# 5860  
Delta R.T. -0.010 min  
Lab File: BM032257.D  
Acq: 29 Sep 2021 01:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 39493 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 28.8  | 25.8  | 38.8  |
| 125       | 17.9  | 15.4  | 23.2  |

Instrument :  
BNA\_M  
ClientSampled :  
C0AH9

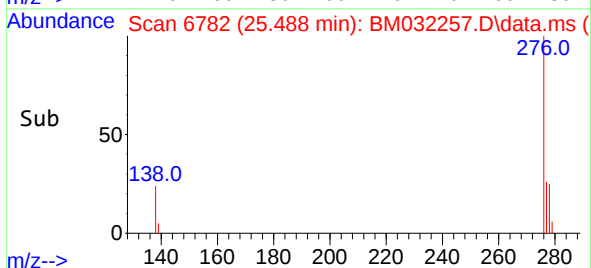
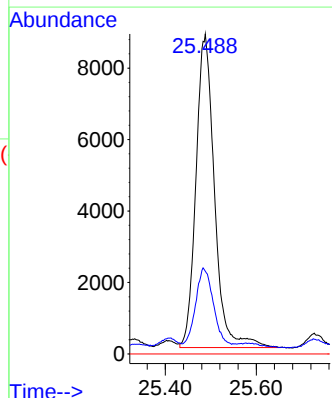
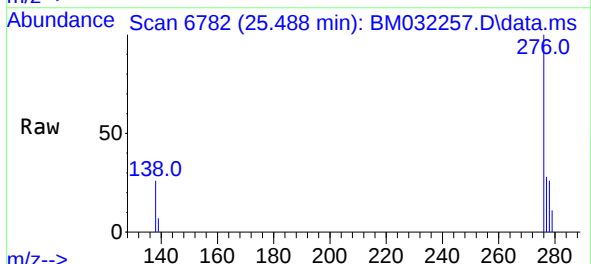
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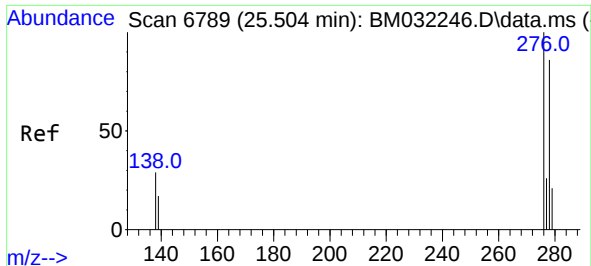
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#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.382 ng/ul  
RT: 25.488 min Scan# 6782  
Delta R.T. -0.017 min  
Lab File: BM032257.D  
Acq: 29 Sep 2021 01:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 24808 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 26.7  | 24.3  | 36.5  |
| 227       | 0.0   | 0.0   | 0.0   |





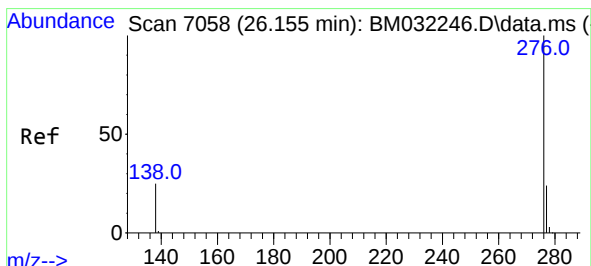
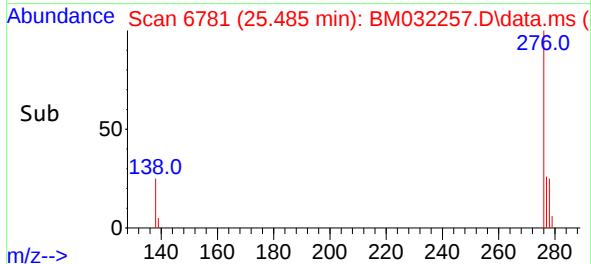
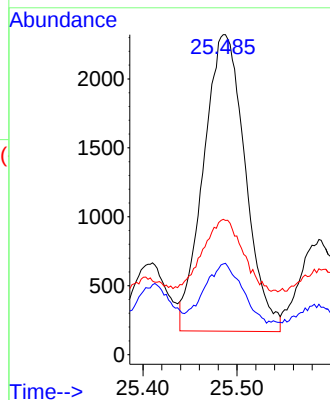
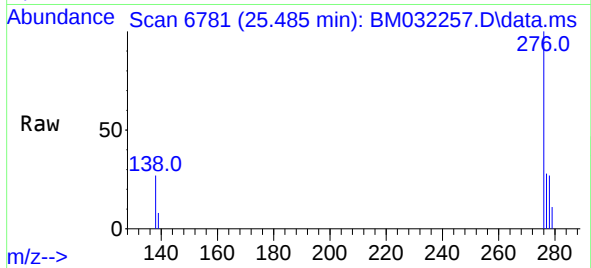
#28  
Dibenzo(a,h)anthracene  
Concen: 0.125 ng/ul  
RT: 25.485 min Scan# 6781  
Delta R.T. -0.024 min  
Lab File: BM032257.D  
Acq: 29 Sep 2021 01:53

Tgt Ion: 278 Resp: 6624  
Ion Ratio Lower Upper  
278 100  
139 28.3 16.6 24.8#  
279 42.3 23.0 34.6#

Instrument :  
BNA\_M  
ClientSampleId :  
C0AH9

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#29  
Benzo(g,h,i)perylene  
Concen: 0.368 ng/ul  
RT: 26.144 min Scan# 7053  
Delta R.T. -0.020 min  
Lab File: BM032257.D  
Acq: 29 Sep 2021 01:53

Tgt Ion: 276 Resp: 22641  
Ion Ratio Lower Upper  
276 100  
138 27.1 21.0 31.4  
277 25.9 19.8 29.8

