

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062421\  
 Data File : BM030573.D  
 Acq On : 24 Jun 2021 13:46  
 Operator : CG/JU  
 Sample : M2662-23DL 5X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGD97DL

Manual Integrations  
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Quant Time: Jun 24 14:25:49 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 : Thu Jun 24 12:48:41 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.801  | 152  | 3252     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.590 | 136  | 12511    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.428 | 164  | 7451     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.162 | 188  | 14796    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.328 | 240  | 13077    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.583 | 264  | 11901    | 0.400 | ng/ul  | # 0.00   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.286  | 96   | 1772     | 0.509 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.182 | 152  | 630      | 0.031 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.184 | 212  | 1394     | 0.035 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.640 | 128  | 2822     | 0.076 | ng/ul# | 93       |
| 7) 2-Methylnaphthalene      | 12.259 | 142  | 967      | 0.039 | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.475 | 142  | 739      | 0.030 | ng/ul  | 97       |
| 10) Acenaphthylene          | 14.148 | 152  | 1029     | 0.030 | ng/ul# | 79       |
| 11) Acenaphthene            | 14.489 | 153  | 3034     | 0.107 | ng/ul  | 97       |
| 12) Fluorene                | 15.475 | 166  | 3369     | 0.107 | ng/ul# | 95       |
| 15) Phenanthrene            | 17.204 | 178  | 58051    | 1.102 | ng/ul  | 99       |
| 16) Anthracene              | 17.294 | 178  | 16087    | 0.349 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.214 | 202  | 112747   | 1.875 | ng/ul  | 98       |
| 20) Pyrene                  | 19.577 | 202  | 70816    | 1.150 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.311 | 228  | 52279    | 1.006 | ng/ul  | 98       |
| 22) Chrysene                | 21.362 | 228  | 45981    | 0.797 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 22.907 | 252  | 50296m   | 0.972 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.943 | 252  | 23234m   | 0.428 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.486 | 252  | 15671    | 0.341 | ng/ul# | 93       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.868 | 276  | 11533    | 0.197 | ng/ul# | 95       |
| 28) Dibenzo(a,h)anthracene  | 25.870 | 278  | 4721     | 0.101 | ng/ul# | 69       |
| -----                       |        |      |          |       |        |          |

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

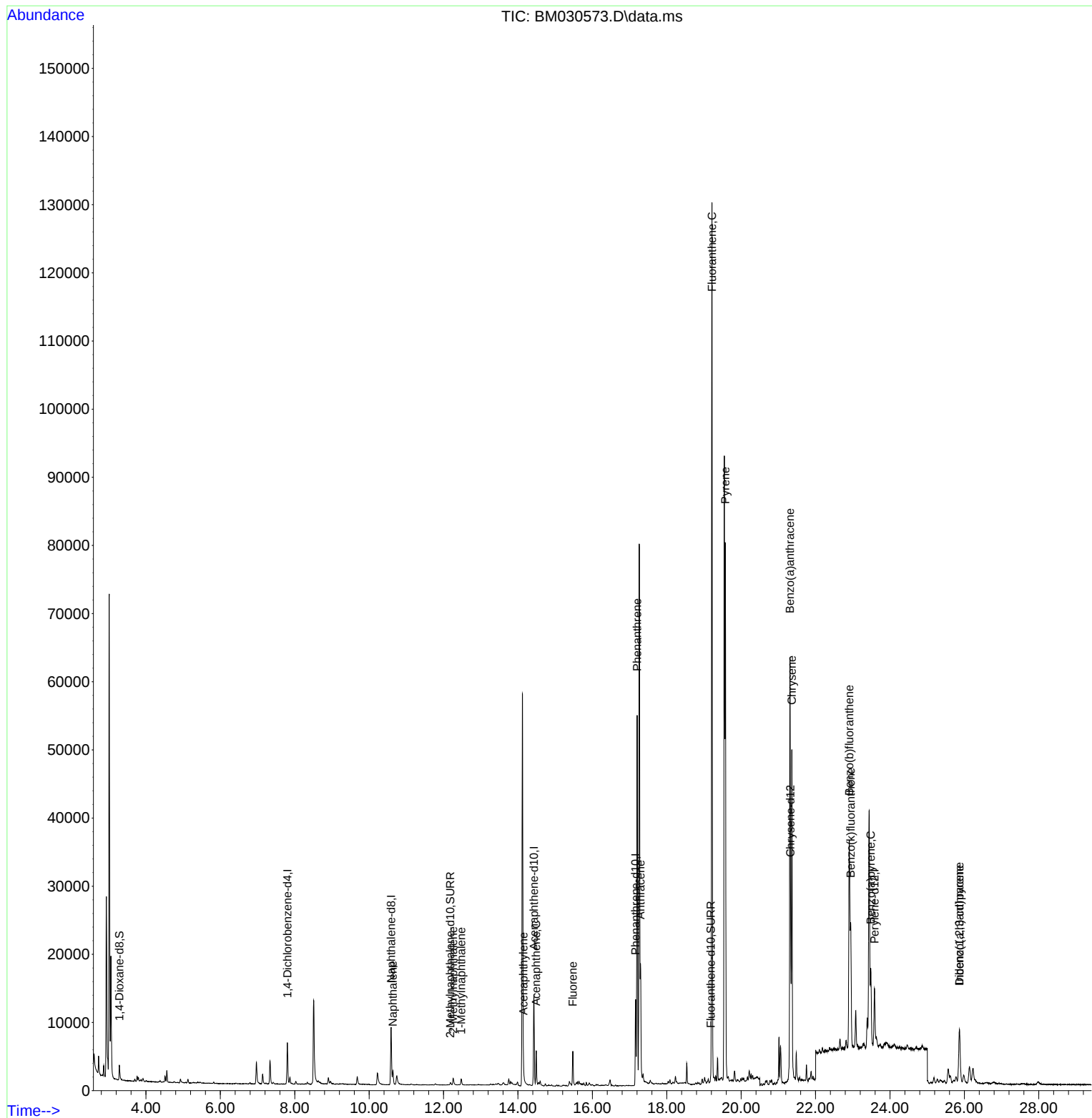
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Data File : BM030573.D  
Acq On : 24 Jun 2021 13:46  
Operator : CG/JU  
Sample : M2662-23DL 5X  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

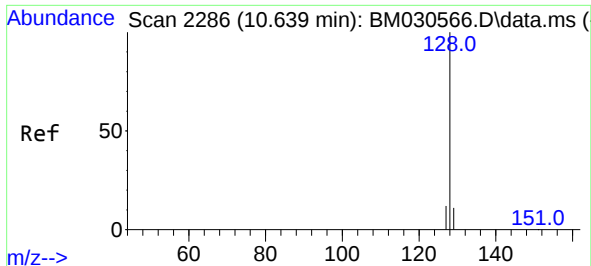
Instrument :  
BNA\_M  
ClientSampleId :  
BGD97DL

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Quant Time: Jun 24 14:25:49 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 : Thu Jun 24 12:48:41 2021  
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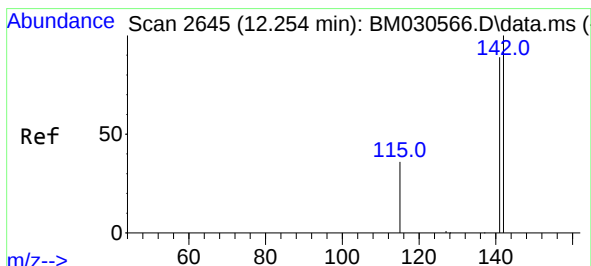
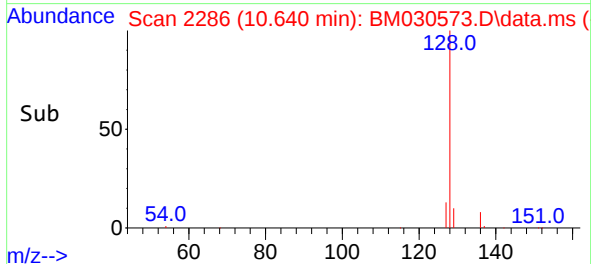
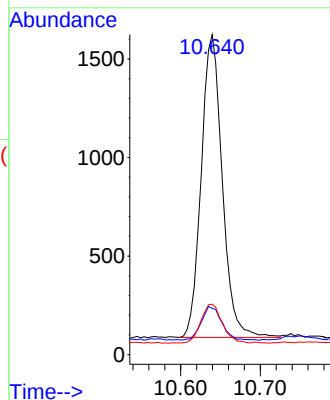
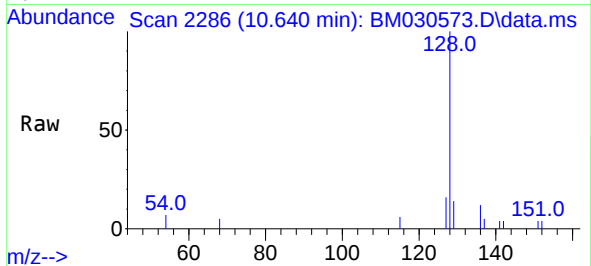
#5  
Naphthalene  
Concen: 0.076 ng/ul  
RT: 10.640 min Scan# 2286  
Delta R.T. 0.000 min  
Lab File: BM030573.D  
Acq: 24 Jun 2021 13:46

Tgt Ion:128 Resp: 2822  
Ion Ratio Lower Upper  
128 100  
129 14.5 9.0 13.6#  
127 15.7 10.9 16.3

Instrument :  
BNA\_M  
ClientSampleId :  
BGD97DL

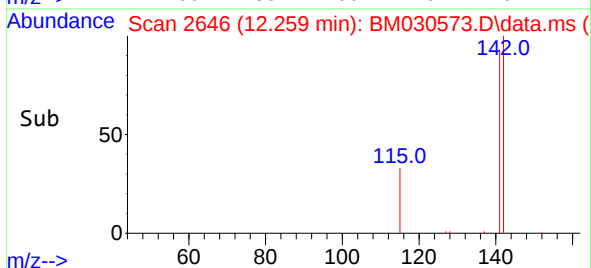
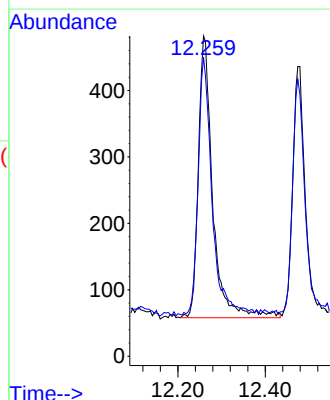
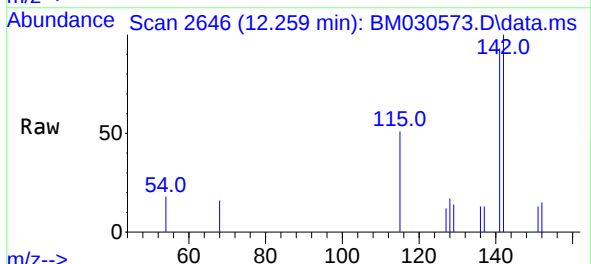
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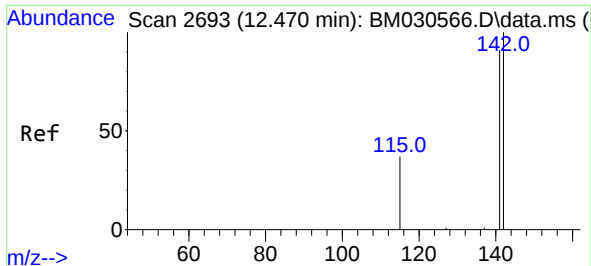
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#7  
2-Methylnaphthalene  
Concen: 0.039 ng/ul  
RT: 12.259 min Scan# 2646  
Delta R.T. 0.005 min  
Lab File: BM030573.D  
Acq: 24 Jun 2021 13:46

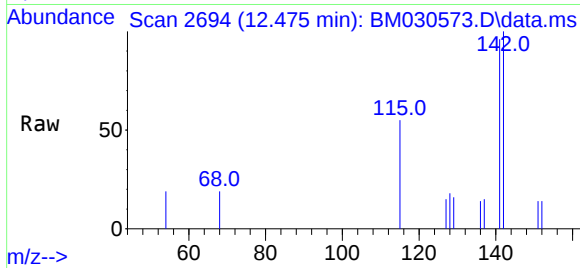
Tgt Ion:142 Resp: 967  
Ion Ratio Lower Upper  
142 100  
141 87.0 71.4 107.0





#8  
1-Methylnaphthalene  
Concen: 0.030 ng/ul  
RT: 12.475 min Scan# 2694  
Delta R.T. 0.005 min  
Lab File: BM030573.D  
Acq: 24 Jun 2021 13:46

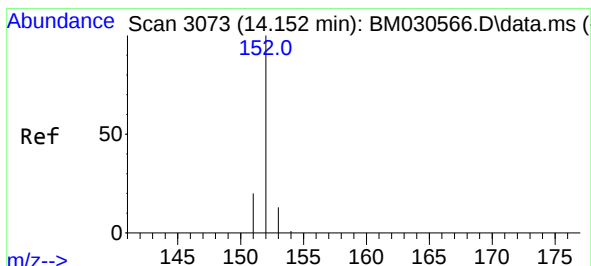
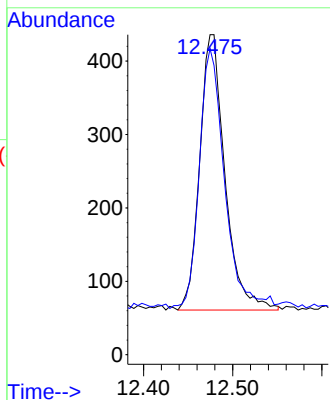
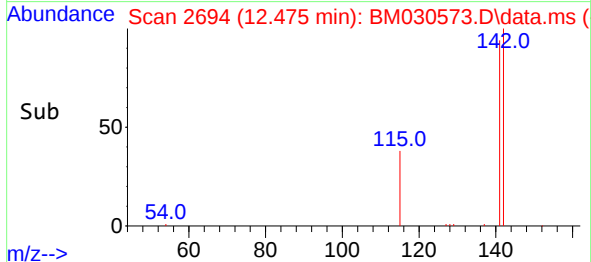
Instrument :  
BNA\_M  
ClientSampled :  
BGD97DL



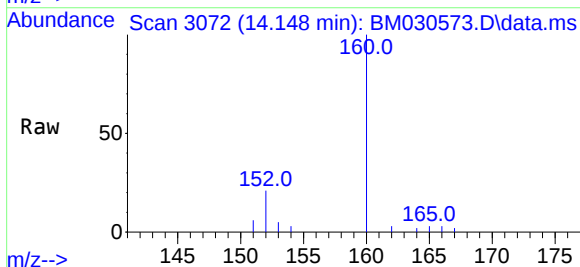
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Ion Ratio Lower Upper  
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141 94.3 73.4 110.0

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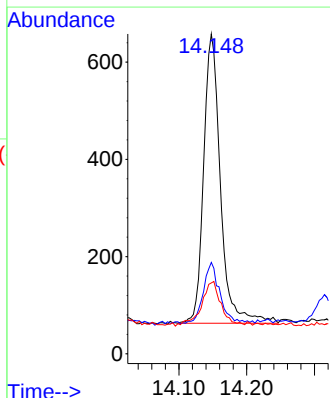
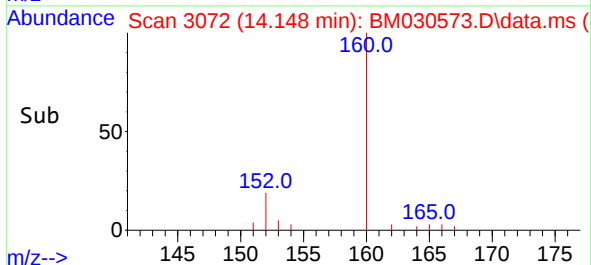
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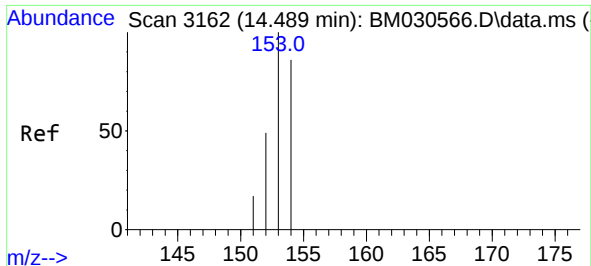


#10  
Acenaphthylene  
Concen: 0.030 ng/ul  
RT: 14.148 min Scan# 3072  
Delta R.T. -0.004 min  
Lab File: BM030573.D  
Acq: 24 Jun 2021 13:46

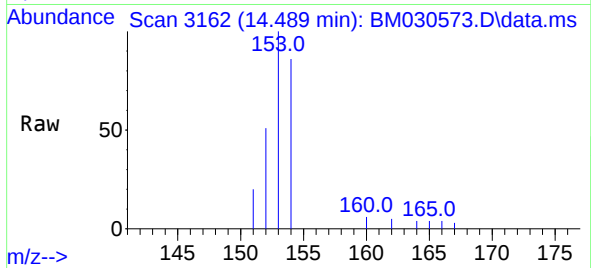


Tgt Ion:152 Resp: 1029  
Ion Ratio Lower Upper  
152 100  
151 28.6 15.5 23.3#  
153 22.2 10.7 16.1#

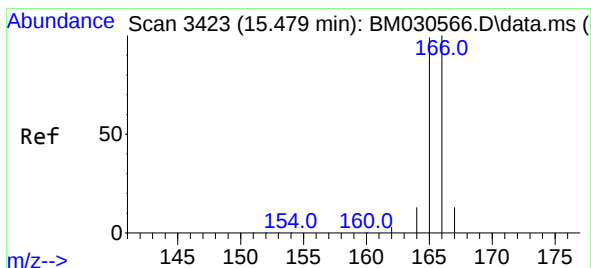
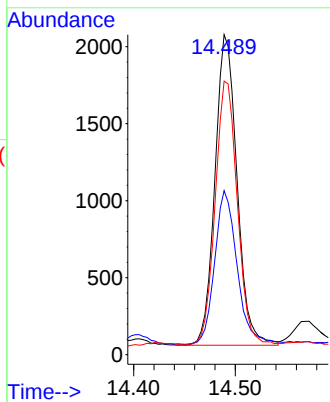
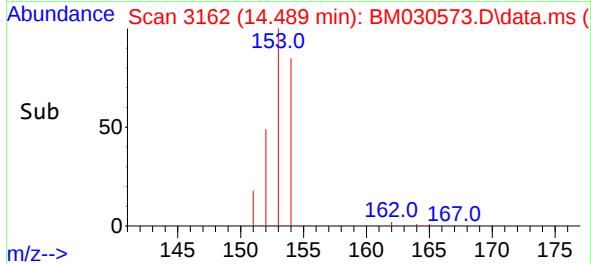




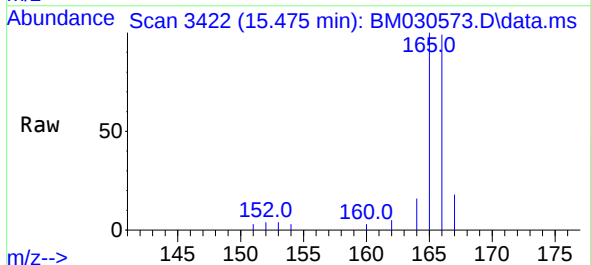
#11  
Acenaphthene  
Concen: 0.107 ng/ul  
RT: 14.489 min Scan# 3162  
Delta R.T. 0.000 min  
Lab File: BM030573.D  
Acq: 24 Jun 2021 13:46



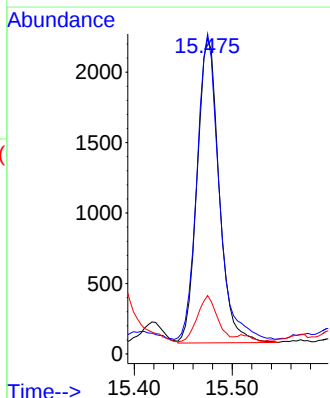
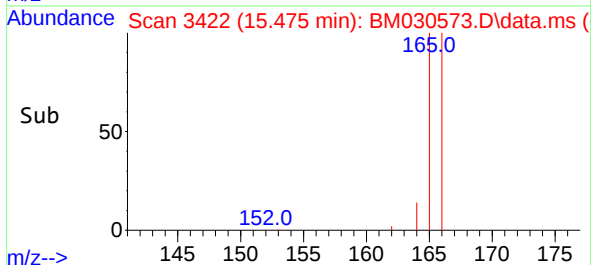
Tgt Ion:153 Resp: 3034  
Ion Ratio Lower Upper  
153 100  
152 51.3 40.2 60.2  
154 85.5 71.2 106.8



#12  
Fluorene  
Concen: 0.107 ng/ul  
RT: 15.475 min Scan# 3422  
Delta R.T. -0.004 min  
Lab File: BM030573.D  
Acq: 24 Jun 2021 13:46



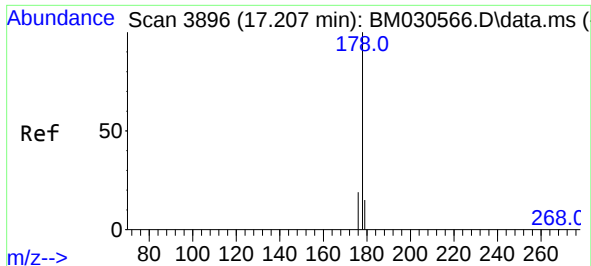
Tgt Ion:166 Resp: 3369  
Ion Ratio Lower Upper  
166 100  
165 101.5 77.7 116.5  
167 18.5 11.3 16.9#



Instrument :  
BNA\_M  
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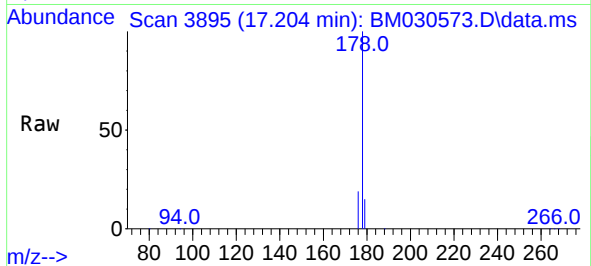
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#15  
Phenanthrene  
Concen: 1.102 ng/u1  
RT: 17.204 min Scan# 3895  
Delta R.T. -0.003 min  
Lab File: BM030573.D  
Acq: 24 Jun 2021 13:46

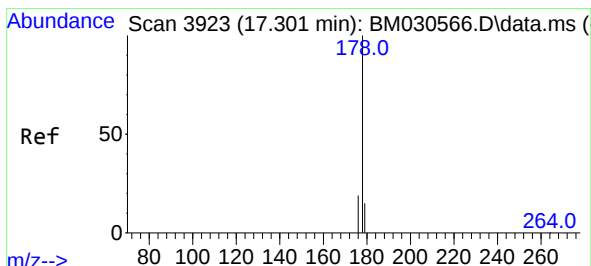
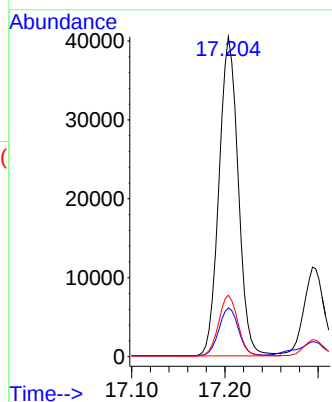
Instrument :  
BNA\_M  
ClientSampleID :  
BGD97DL



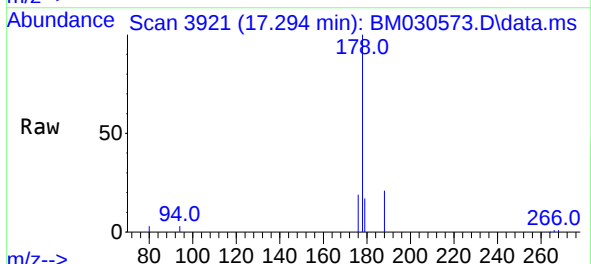
Tgt Ion:178 Resp: 58051  
Ion Ratio Lower Upper  
178 100  
179 15.2 12.6 19.0  
176 19.2 15.5 23.3

Manual Integrations  
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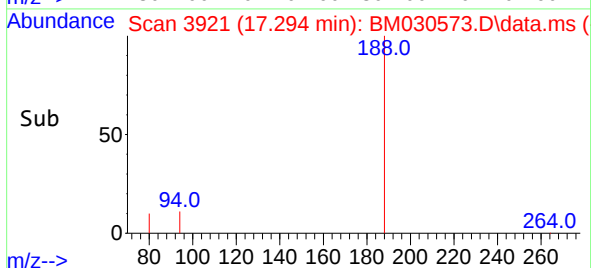
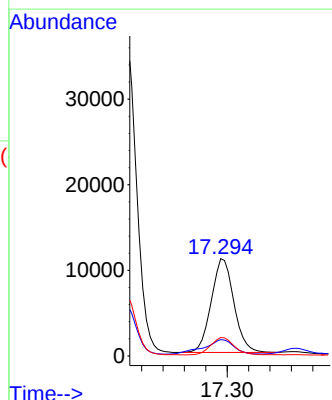
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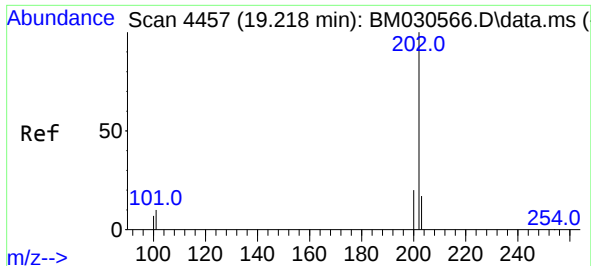


#16  
Anthracene  
Concen: 0.349 ng/u1  
RT: 17.294 min Scan# 3921  
Delta R.T. -0.007 min  
Lab File: BM030573.D  
Acq: 24 Jun 2021 13:46

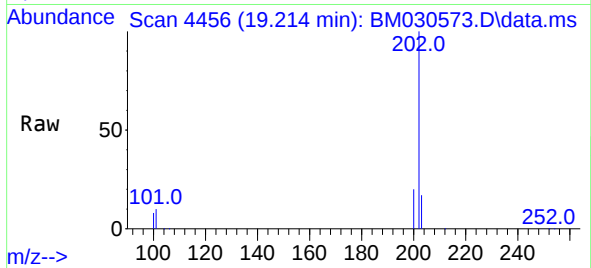


Tgt Ion:178 Resp: 16087  
Ion Ratio Lower Upper  
178 100  
179 16.9 12.7 19.1  
176 19.0 15.2 22.8

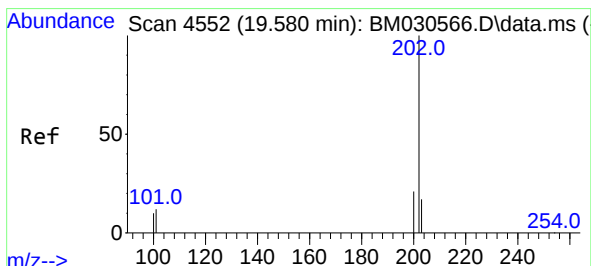
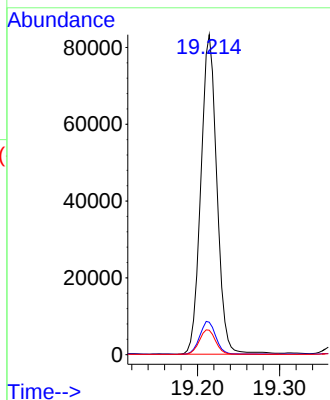
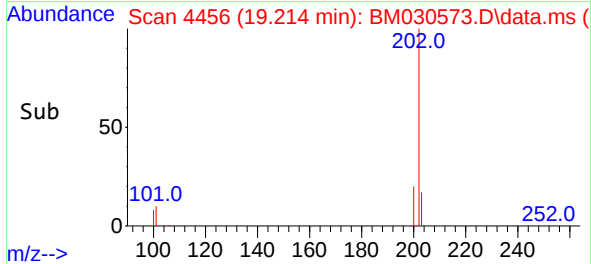




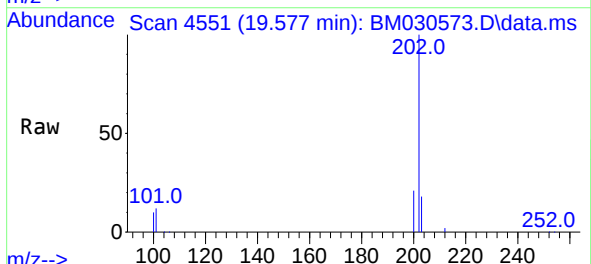
#19  
Fluoranthene  
Concen: 1.875 ng/u1  
RT: 19.214 min Scan# 4456  
Delta R.T. -0.004 min  
Lab File: BM030573.D  
Acq: 24 Jun 2021 13:46



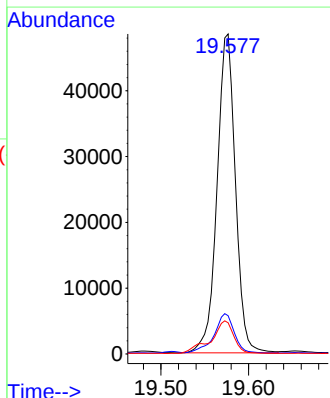
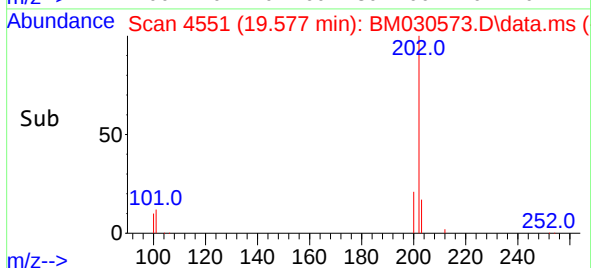
Tgt Ion:202 Resp: 112747  
Ion Ratio Lower Upper  
202 100  
101 10.1 8.8 13.2  
100 7.7 6.9 10.3



#20  
Pyrene  
Concen: 1.150 ng/u1  
RT: 19.577 min Scan# 4551  
Delta R.T. -0.004 min  
Lab File: BM030573.D  
Acq: 24 Jun 2021 13:46



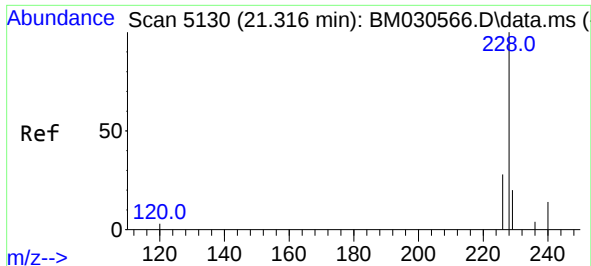
Tgt Ion:202 Resp: 70816  
Ion Ratio Lower Upper  
202 100  
101 12.0 10.1 15.1  
100 9.8 8.2 12.2



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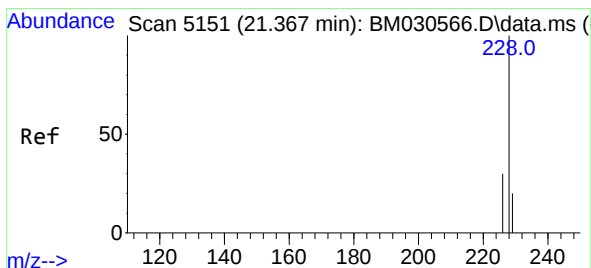
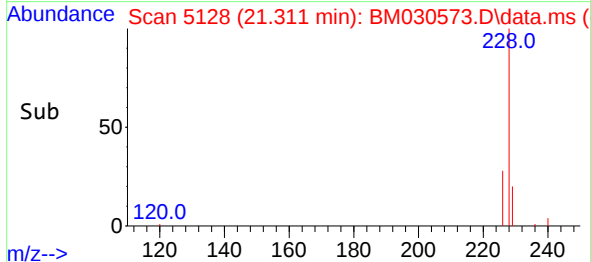
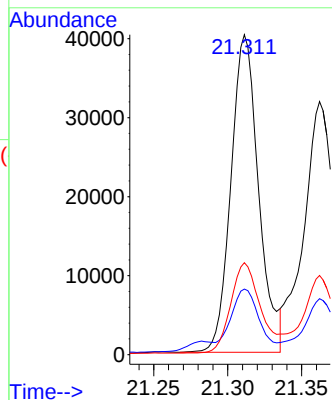
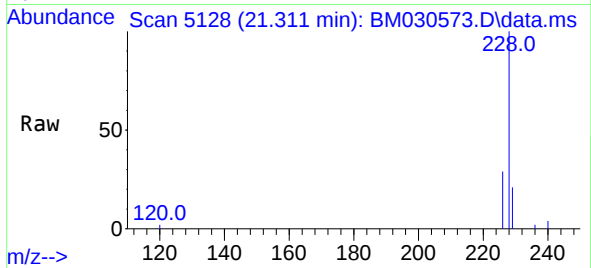
#21  
Benzo(a)anthracene  
Concen: 1.006 ng/u1  
RT: 21.311 min Scan# 5128  
Delta R.T. -0.005 min  
Lab File: BM030573.D  
Acq: 24 Jun 2021 13:46

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 52279     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 229         | 20.5  | 15.8 23.6 |
| 226         | 28.8  | 22.2 33.4 |

Instrument :  
BNA\_M  
ClientSampled :  
BGD97DL

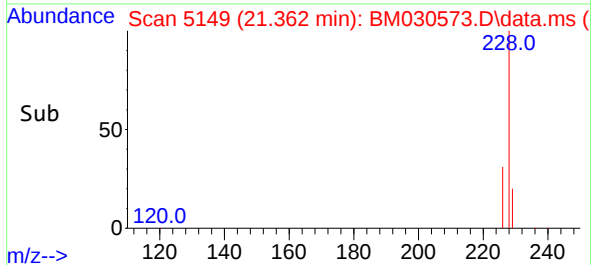
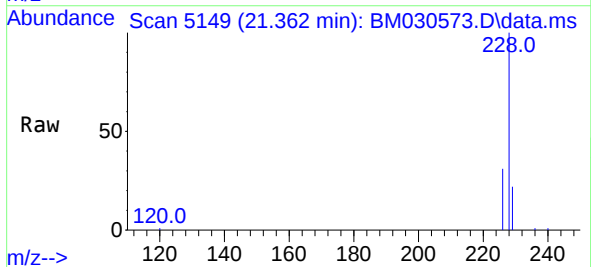
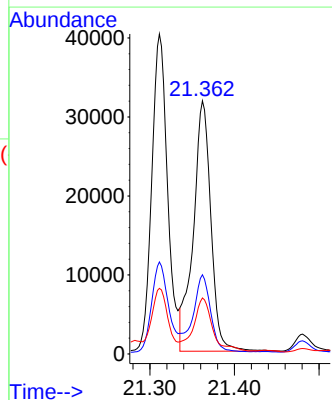
Manual Integrations  
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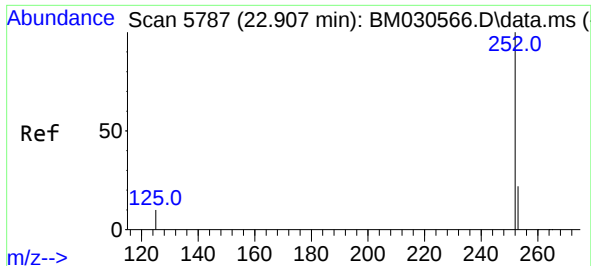
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#22  
Chrysene  
Concen: 0.797 ng/u1  
RT: 21.362 min Scan# 5149  
Delta R.T. -0.005 min  
Lab File: BM030573.D  
Acq: 24 Jun 2021 13:46

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 45981     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 31.3  | 24.4 36.6 |
| 229         | 22.1  | 15.4 23.0 |





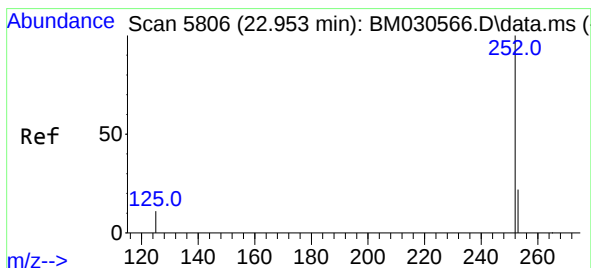
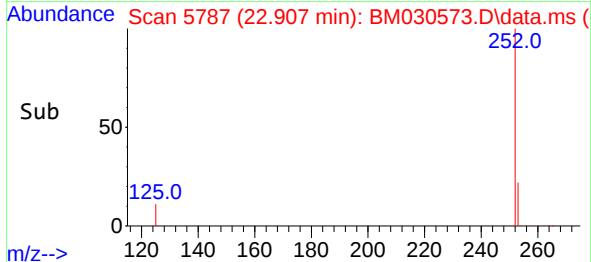
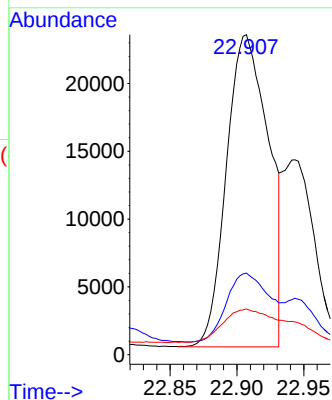
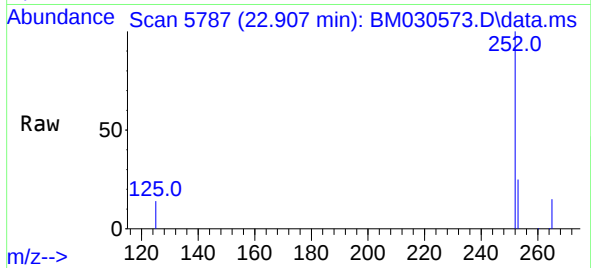
#24  
Benzo(b)fluoranthene  
Concen: 0.972 ng/ul m  
RT: 22.907 min Scan# 5787  
Delta R.T. 0.000 min  
Lab File: BM030573.D  
Acq: 24 Jun 2021 13:46

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 50296 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 25.5  | 0.0   | 50.2  |
| 125       | 14.3  | 0.0   | 27.8  |

Instrument :  
BNA\_M  
ClientSampled :  
BGD97DL

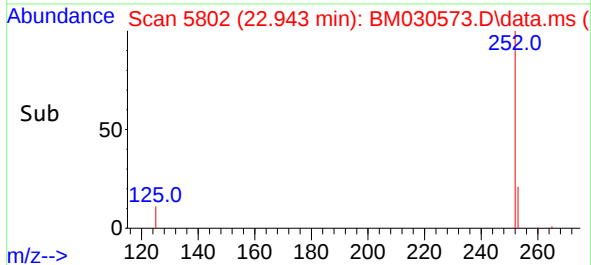
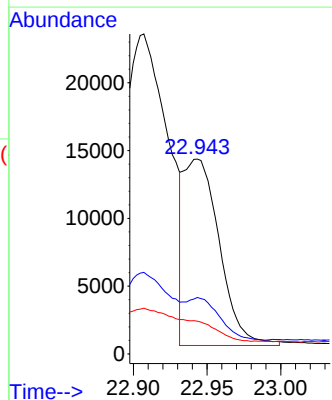
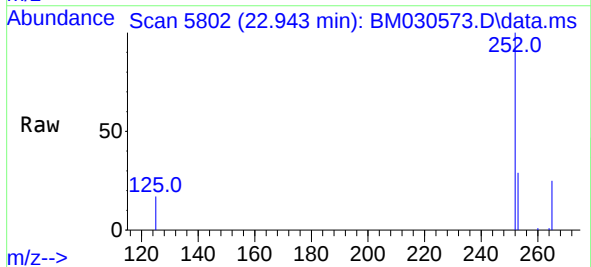
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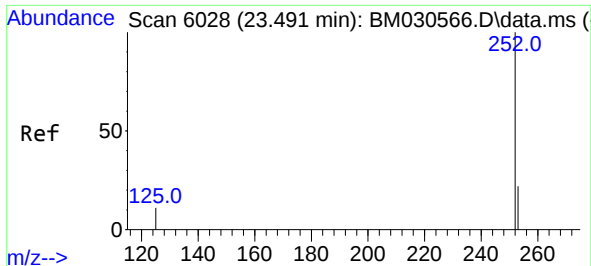
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#25  
Benzo(k)fluoranthene  
Concen: 0.428 ng/ul m  
RT: 22.943 min Scan# 5802  
Delta R.T. -0.010 min  
Lab File: BM030573.D  
Acq: 24 Jun 2021 13:46

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 23234 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 29.0  | 20.6  | 31.0  |
| 125       | 16.8  | 11.0  | 16.4# |





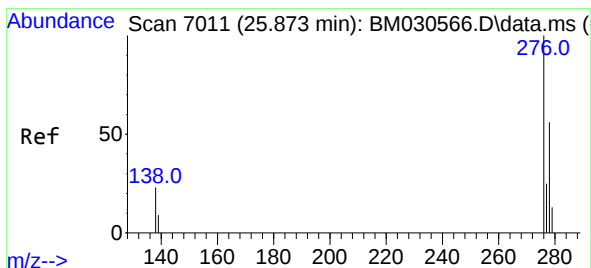
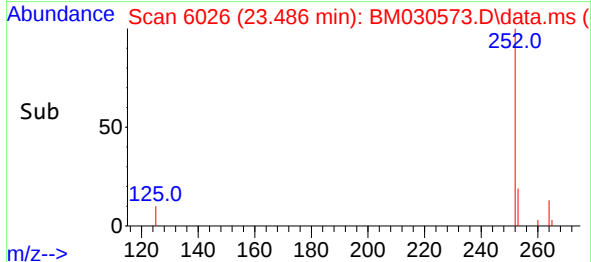
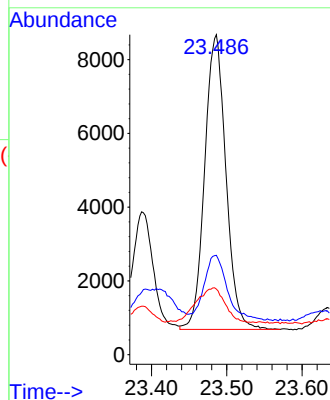
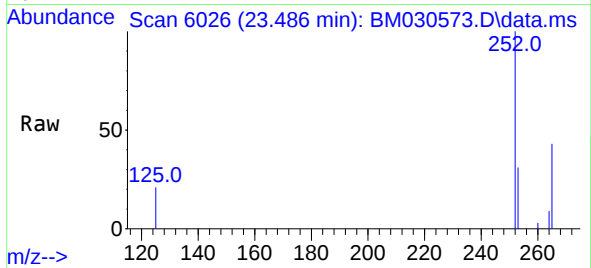
#26  
Benzo(a)pyrene  
Concen: 0.341 ng/ul  
RT: 23.486 min Scan# 6026  
Delta R.T. -0.005 min  
Lab File: BM030573.D  
Acq: 24 Jun 2021 13:46

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 15671 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 31.1  | 22.0  | 33.0  |
| 125       | 20.5  | 13.4  | 20.2# |

Instrument :  
BNA\_M  
ClientSampled :  
BGD97DL

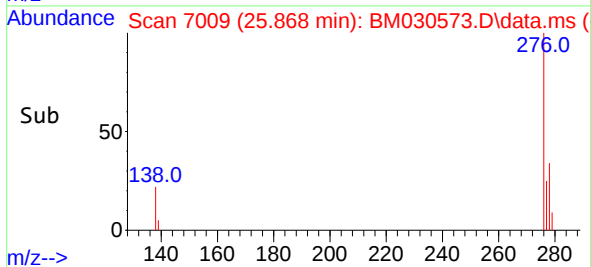
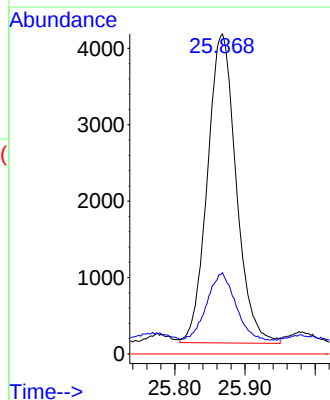
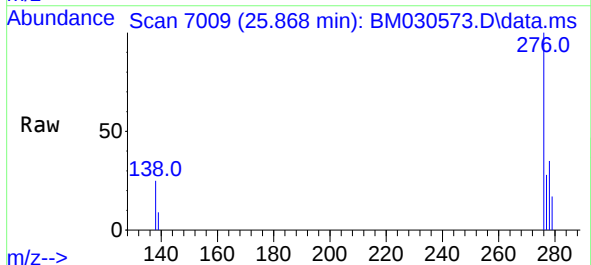
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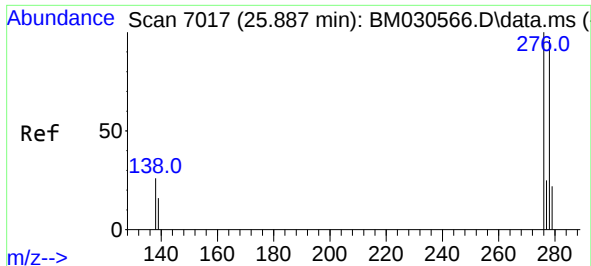
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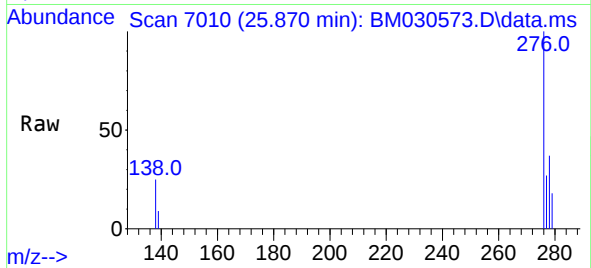
#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.197 ng/ul  
RT: 25.868 min Scan# 7009  
Delta R.T. -0.005 min  
Lab File: BM030573.D  
Acq: 24 Jun 2021 13:46

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 11533 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 21.6  | 19.1  | 28.7  |
| 227       | 0.0   | 0.0   | 0.0   |

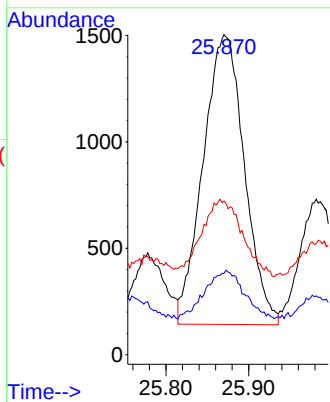
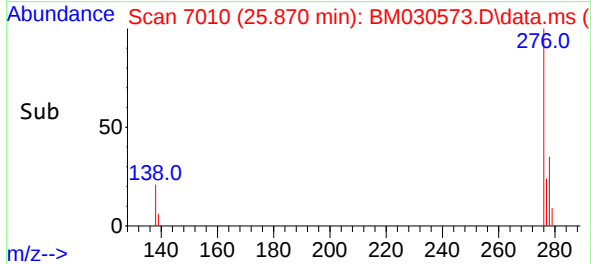




#28  
Dibenzo(a,h)anthracene  
Concen: 0.101 ng/ul  
RT: 25.870 min Scan# 7010  
Delta R.T. -0.017 min  
Lab File: BM030573.D  
Acq: 24 Jun 2021 13:46



Tgt Ion: 278 Resp: 4721  
Ion Ratio Lower Upper  
278 100  
139 25.4 14.2 21.4#  
279 48.1 21.6 32.4#



Instrument :  
BNA\_M  
ClientSampleId :  
BGD97DL

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