

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062421\  
 Data File : BM030575.D  
 Acq On : 24 Jun 2021 14:59  
 Operator : CG/JU  
 Sample : M2662-23DL2 10X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGD97DL2

Manual Integrations  
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Quant Time: Jun 24 15:34:02 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  | 3934     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.590 | 136  | 15210    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.428 | 164  | 9022     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.162 | 188  | 17743    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.328 | 240  | 14025    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.588 | 264  | 11772    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.286  | 96   | 960      | 0.228 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.187 | 152  | 363      | 0.015 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.184 | 212  | 891      | 0.021 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.640 | 128  | 1492     | 0.033 | ng/ul# | 85       |
| 11) Acenaphthene            | 14.489 | 153  | 1613     | 0.047 | ng/ul  | 97       |
| 12) Fluorene                | 15.475 | 166  | 1745     | 0.046 | ng/ul# | 94       |
| 15) Phenanthrene            | 17.207 | 178  | 30172    | 0.478 | ng/ul  | 100      |
| 16) Anthracene              | 17.297 | 178  | 7978     | 0.144 | ng/ul  | 96       |
| 19) Fluoranthene            | 19.214 | 202  | 56614    | 0.878 | ng/ul  | 98       |
| 20) Pyrene                  | 19.577 | 202  | 35768    | 0.541 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.314 | 228  | 24206    | 0.434 | ng/ul  | 97       |
| 22) Chrysene                | 21.365 | 228  | 20947    | 0.339 | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 22.910 | 252  | 24031m   | 0.469 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.946 | 252  | 8815m    | 0.164 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.484 | 252  | 6765     | 0.149 | ng/ul# | 71       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.868 | 276  | 5187     | 0.090 | ng/ul# | 95       |
| 28) Dibenzo(a,h)anthracene  | 25.873 | 278  | 2010     | 0.044 | ng/ul# | 35       |
| -----                       |        |      |          |       |        |          |

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

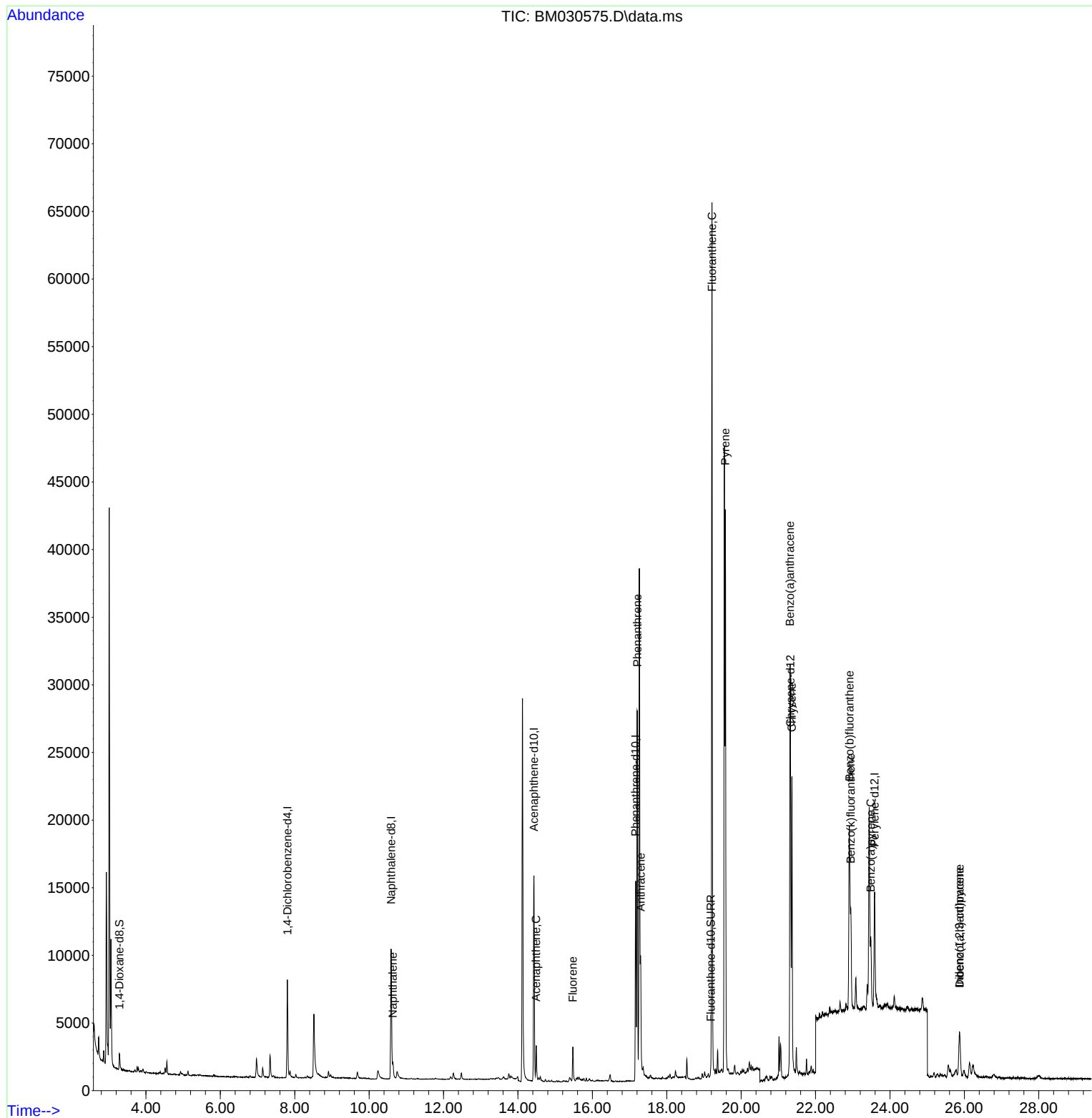
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062421\  
Data File : BM030575.D  
Acq On : 24 Jun 2021 14:59  
Operator : CG/JU  
Sample : M2662-23DL2 10X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

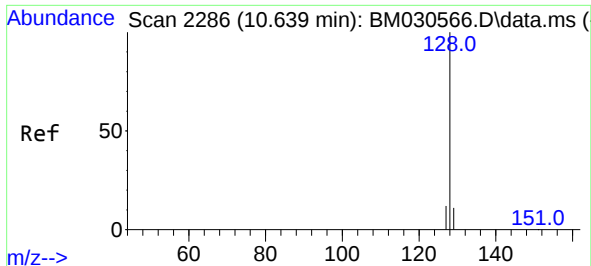
Instrument :  
BNA\_M  
ClientSampleId :  
BGD97DL2

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Quant Time: Jun 24 15:34:02 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





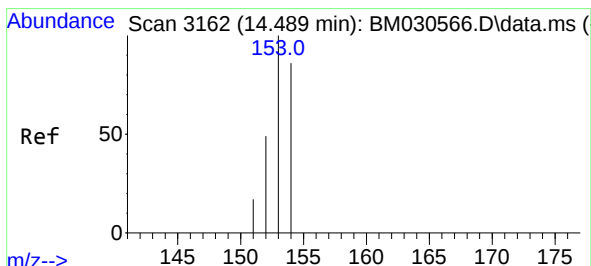
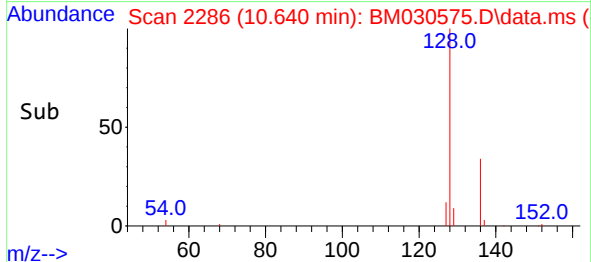
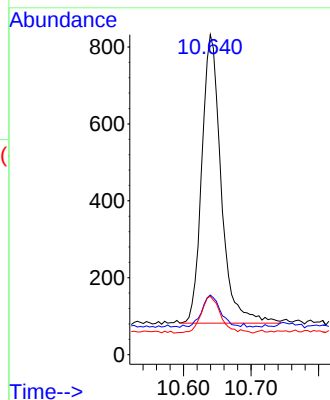
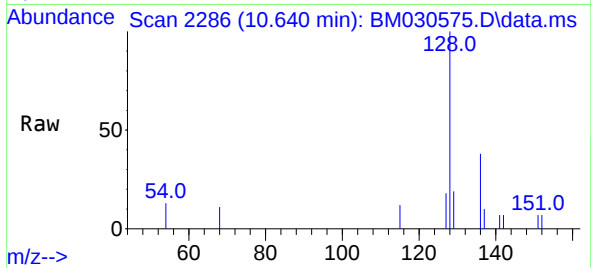
#5  
Naphthalene  
Concen: 0.033 ng/ul  
RT: 10.640 min Scan# 2286  
Delta R.T. 0.000 min  
Lab File: BM030575.D  
Acq: 24 Jun 2021 14:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 1492  |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 18.6  | 9.0   | 13.6# |
| 127       | 18.3  | 10.9  | 16.3# |

Instrument :  
BNA\_M  
ClientSampleId :  
BGD97DL2

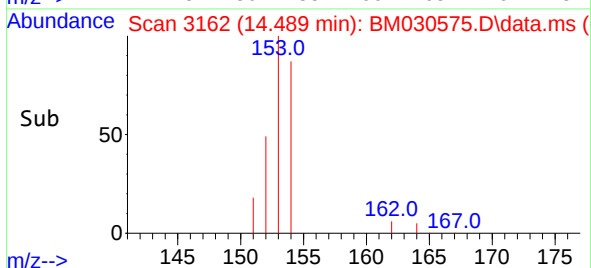
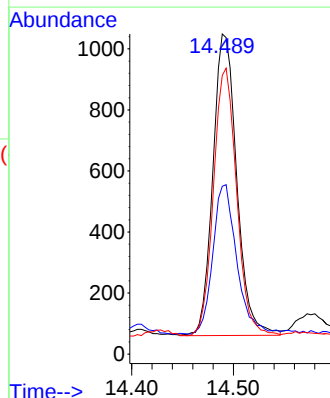
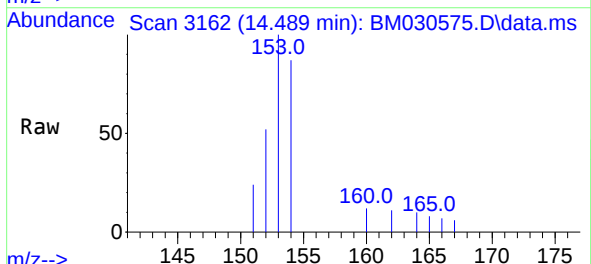
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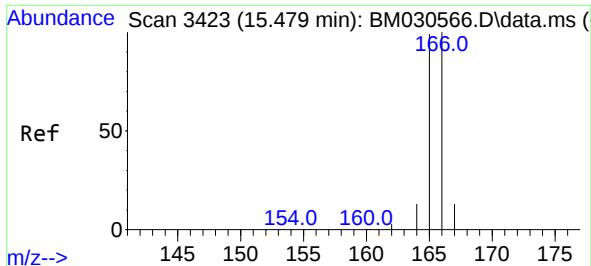
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#11  
Acenaphthene  
Concen: 0.047 ng/ul  
RT: 14.489 min Scan# 3162  
Delta R.T. 0.000 min  
Lab File: BM030575.D  
Acq: 24 Jun 2021 14:59

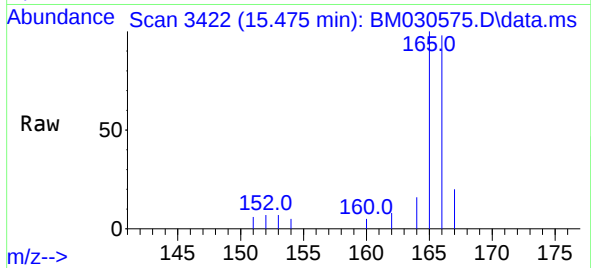
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 1613  |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 52.4  | 40.2  | 60.2  |
| 154       | 87.0  | 71.2  | 106.8 |





#12  
Fluorene  
Concen: 0.046 ng/u1  
RT: 15.475 min Scan# 3422  
Delta R.T. -0.004 min  
Lab File: BM030575.D  
Acq: 24 Jun 2021 14:59

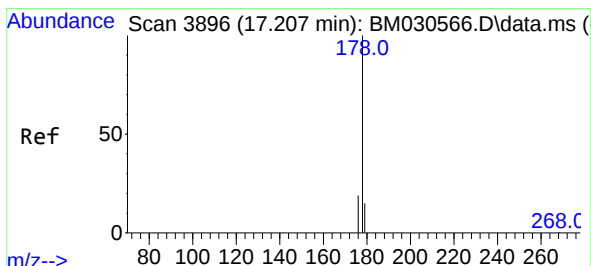
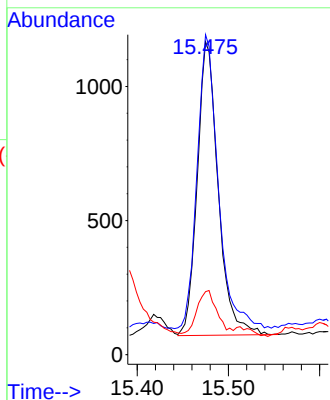
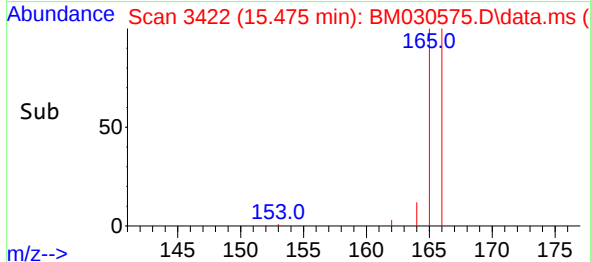
Instrument :  
BNA\_M  
ClientSampleId :  
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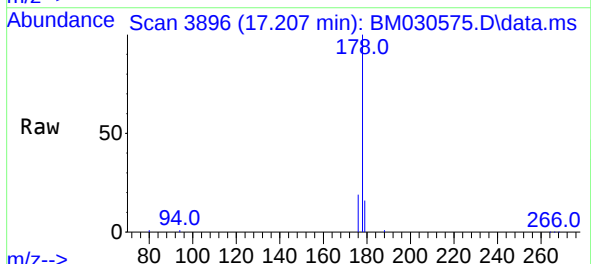
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 1745  |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 102.2 | 77.7  | 116.5 |
| 167       | 20.1  | 11.3  | 16.9# |

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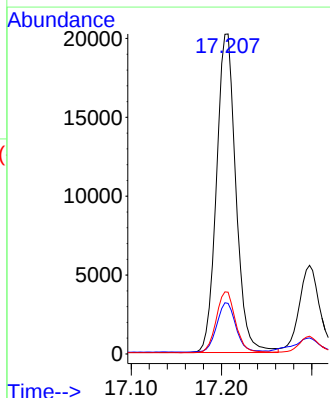
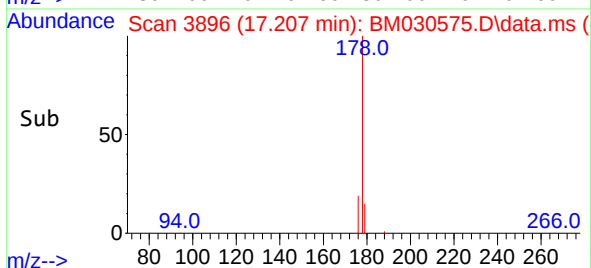
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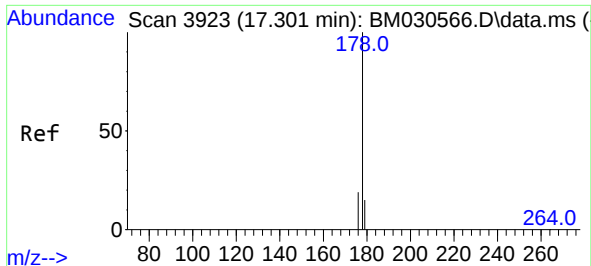


#15  
Phenanthrene  
Concen: 0.478 ng/u1  
RT: 17.207 min Scan# 3896  
Delta R.T. 0.000 min  
Lab File: BM030575.D  
Acq: 24 Jun 2021 14:59



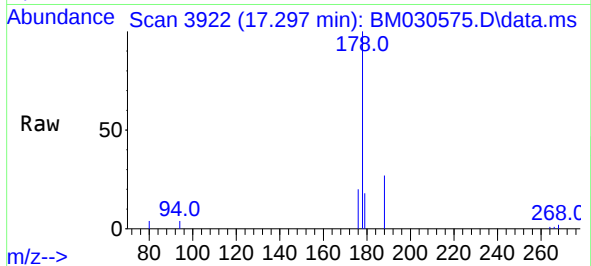
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 30172 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 15.8  | 12.6  | 19.0  |
| 176       | 19.3  | 15.5  | 23.3  |





#16  
 Anthracene  
 Concen: 0.144 ng/uI  
 RT: 17.297 min Scan# 3922  
 Delta R.T. -0.003 min  
 Lab File: BM030575.D  
 Acq: 24 Jun 2021 14:59

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGD97DL2

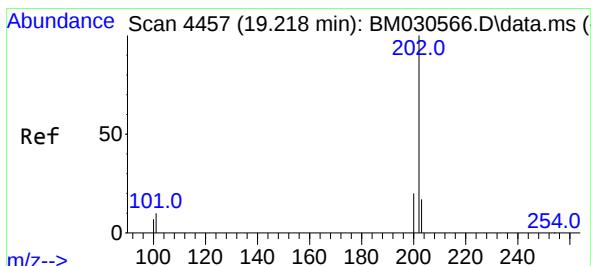
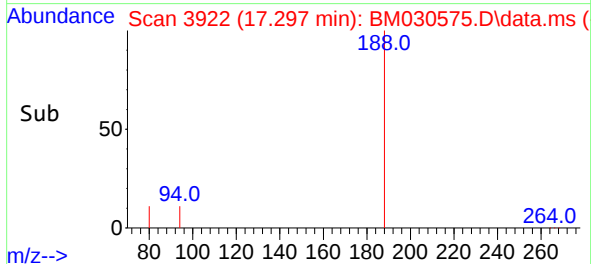
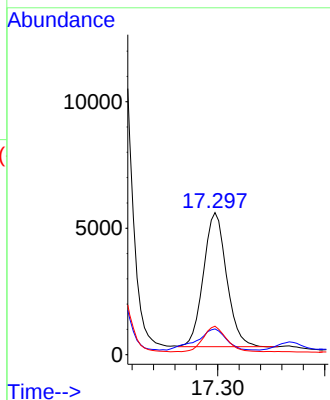


Tgt Ion:178 Resp: 7978

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 18.1  | 12.7  | 19.1  |
| 176 | 20.1  | 15.2  | 22.8  |

Manual Integrations  
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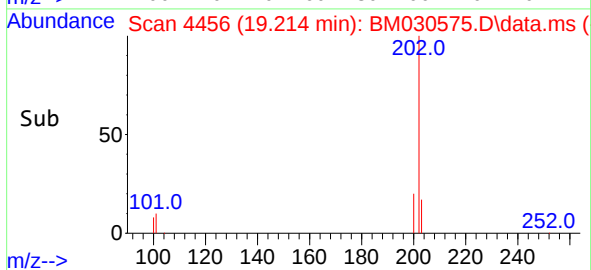
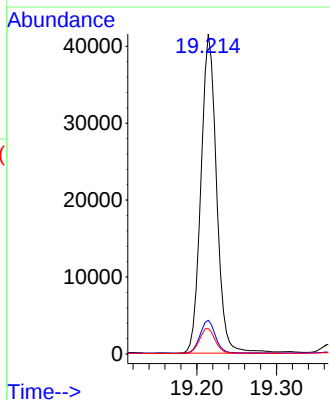
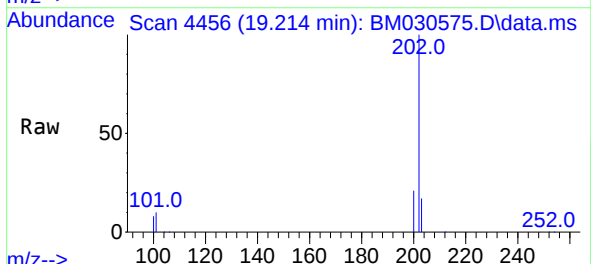
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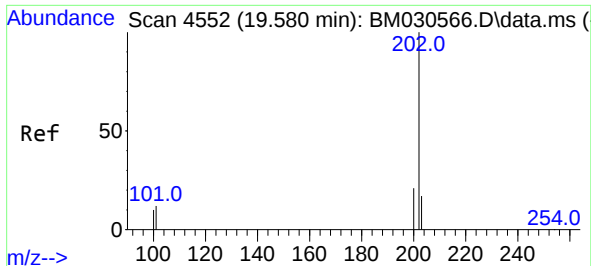


#19  
 Fluoranthene  
 Concen: 0.878 ng/uI  
 RT: 19.214 min Scan# 4456  
 Delta R.T. -0.004 min  
 Lab File: BM030575.D  
 Acq: 24 Jun 2021 14:59

Tgt Ion:202 Resp: 56614

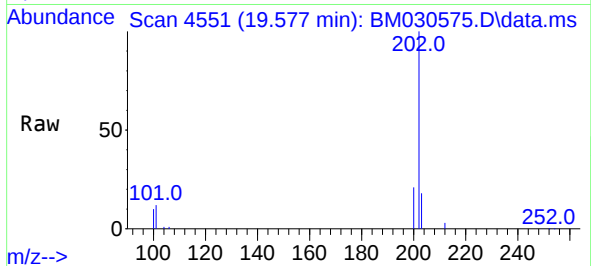
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 10.5  | 8.8   | 13.2  |
| 100 | 7.9   | 6.9   | 10.3  |





#20  
Pyrene  
Concen: 0.541 ng/ul  
RT: 19.577 min Scan# 4551  
Delta R.T. -0.004 min  
Lab File: BM030575.D  
Acq: 24 Jun 2021 14:59

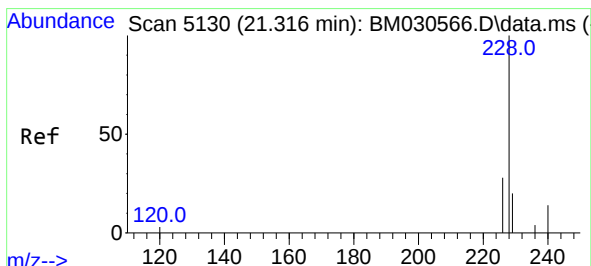
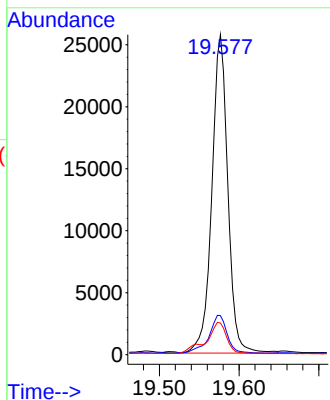
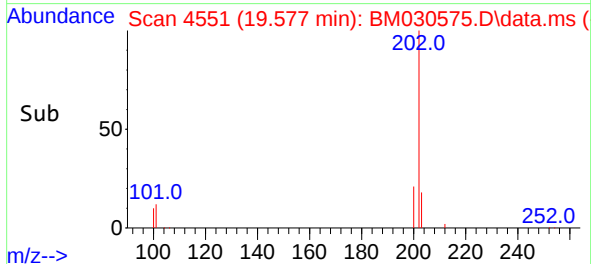
Instrument :  
BNA\_M  
ClientSampleId :  
BGD97DL2



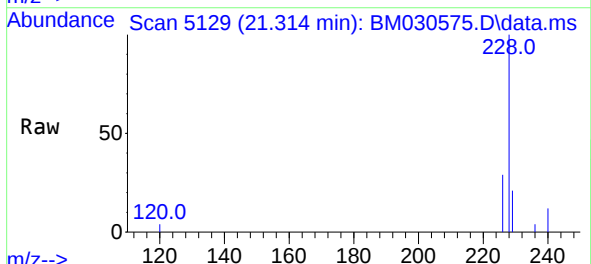
Tgt Ion:202 Resp: 35768  
Ion Ratio Lower Upper  
202 100  
101 12.2 10.1 15.1  
100 9.9 8.2 12.2

Manual Integrations  
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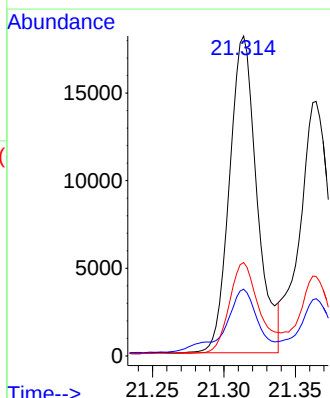
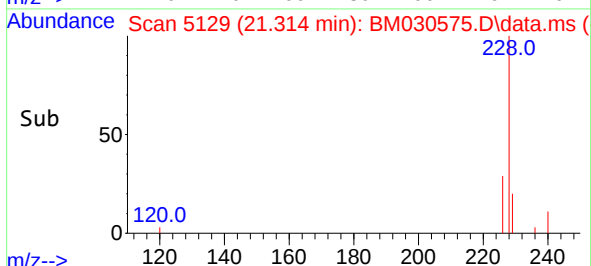
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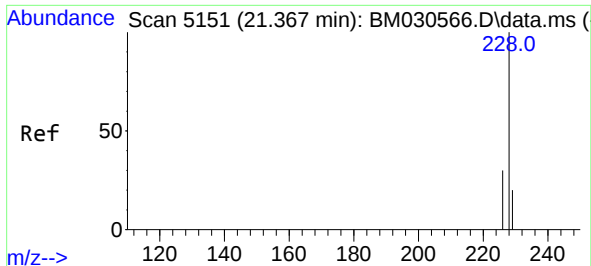


#21  
Benzo(a)anthracene  
Concen: 0.434 ng/ul  
RT: 21.314 min Scan# 5129  
Delta R.T. -0.002 min  
Lab File: BM030575.D  
Acq: 24 Jun 2021 14:59

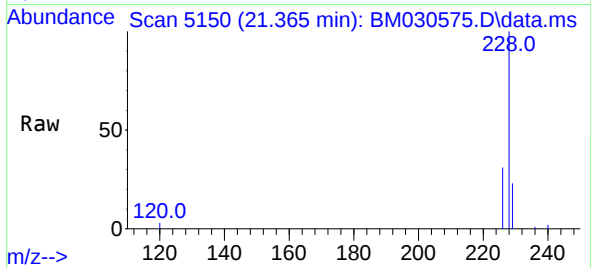


Tgt Ion:228 Resp: 24206  
Ion Ratio Lower Upper  
228 100  
229 20.8 15.8 23.6  
226 29.2 22.2 33.4

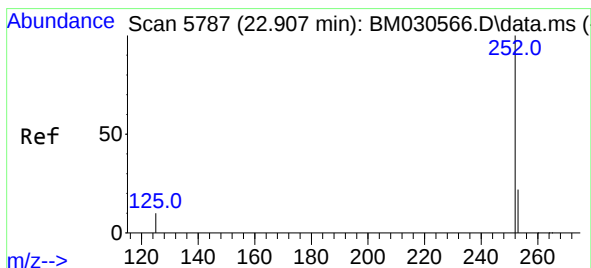
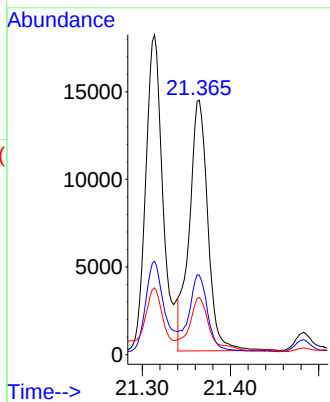
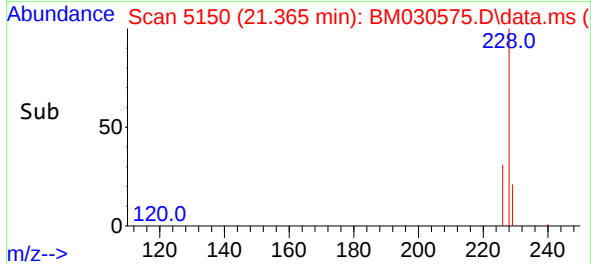




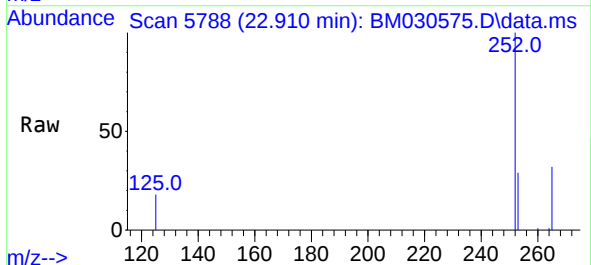
#22  
Chrysene  
Concen: 0.339 ng/ul  
RT: 21.365 min Scan# 5150  
Delta R.T. -0.002 min  
Lab File: BM030575.D  
Acq: 24 Jun 2021 14:59



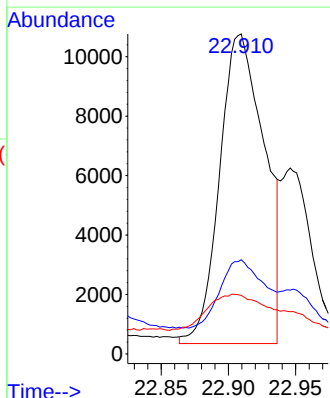
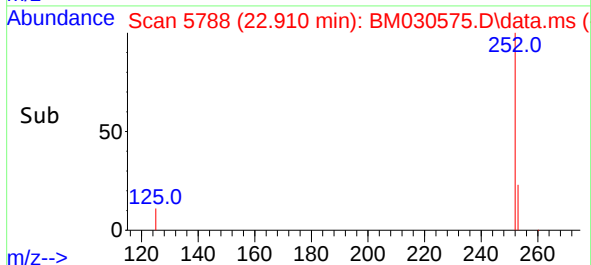
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|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 20947 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 31.2  | 24.4  | 36.6  |
| 229       | 22.5  | 15.4  | 23.0  |



#24  
Benzo(b)fluoranthene  
Concen: 0.469 ng/ul m  
RT: 22.910 min Scan# 5788  
Delta R.T. 0.003 min  
Lab File: BM030575.D  
Acq: 24 Jun 2021 14:59



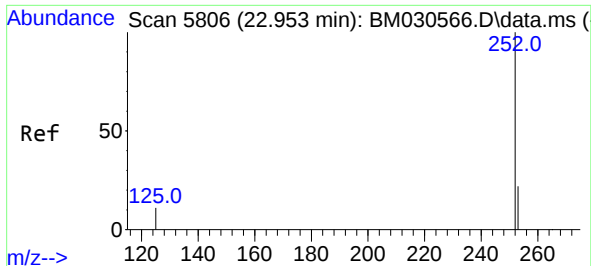
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|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 24031 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 29.5  | 0.0   | 50.2  |
| 125       | 18.3  | 0.0   | 27.8  |



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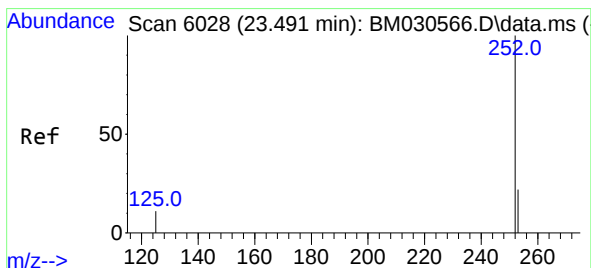
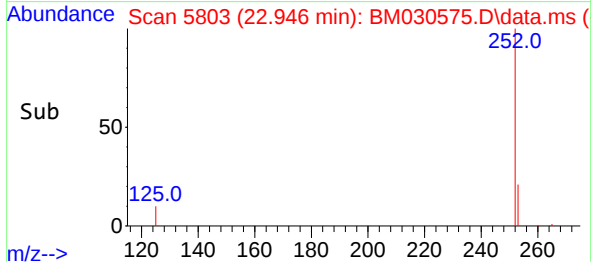
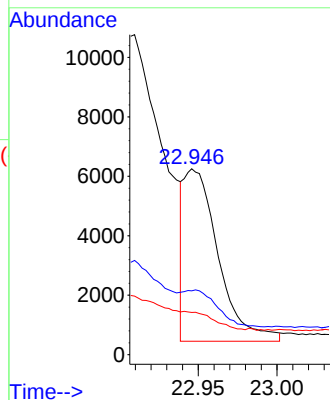
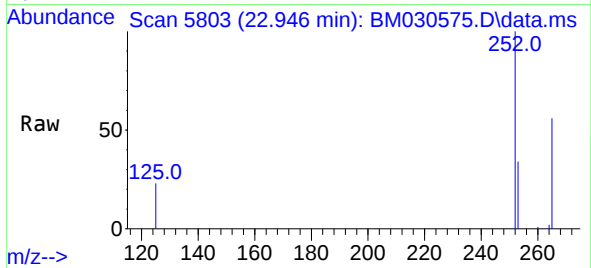
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Benzo(k)fluoranthene  
Concen: 0.164 ng/ul m  
RT: 22.946 min Scan# 5803  
Delta R.T. -0.007 min  
Lab File: BM030575.D  
Acq: 24 Jun 2021 14:59

Tgt Ion:252 Resp: 8815  
Ion Ratio Lower Upper  
252 100  
253 34.4 20.6 31.0#  
125 22.7 11.0 16.4#

Instrument :  
BNA\_M  
ClientSampled :  
BGD97DL2

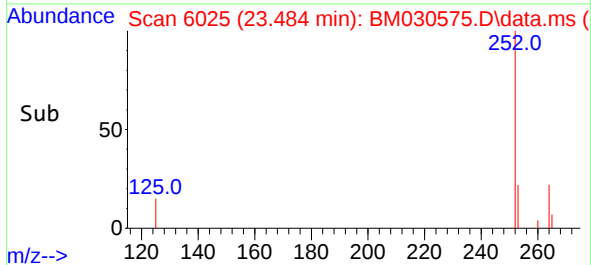
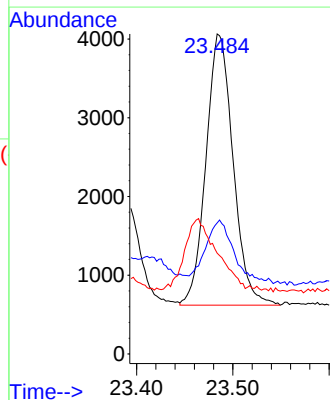
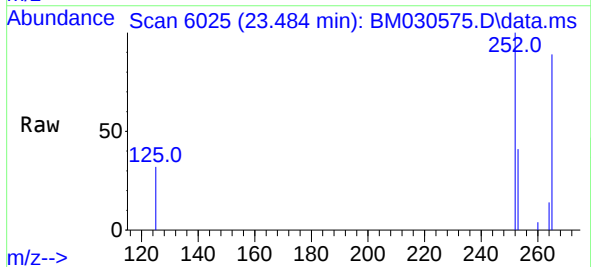
Manual Integrations  
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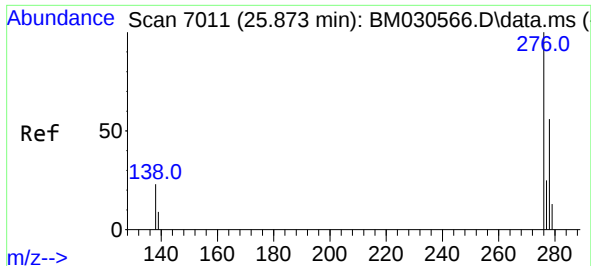
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#26  
Benzo(a)pyrene  
Concen: 0.149 ng/ul  
RT: 23.484 min Scan# 6025  
Delta R.T. -0.007 min  
Lab File: BM030575.D  
Acq: 24 Jun 2021 14:59

Tgt Ion:252 Resp: 6765  
Ion Ratio Lower Upper  
252 100  
253 41.0 22.0 33.0#  
125 31.5 13.4 20.2#





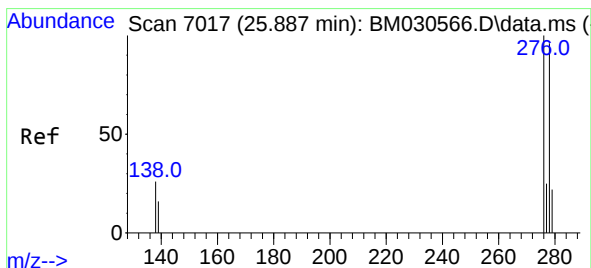
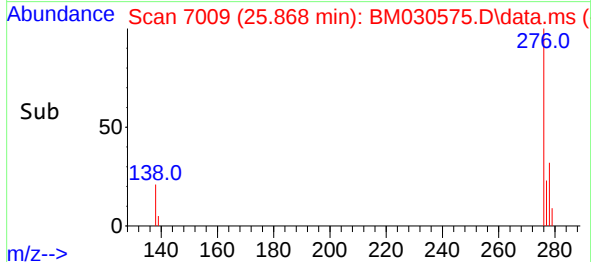
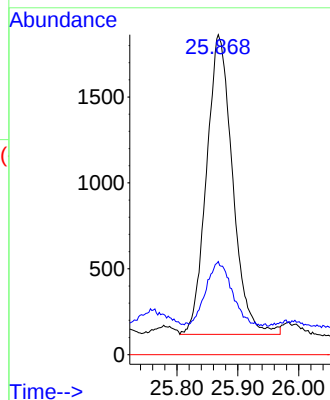
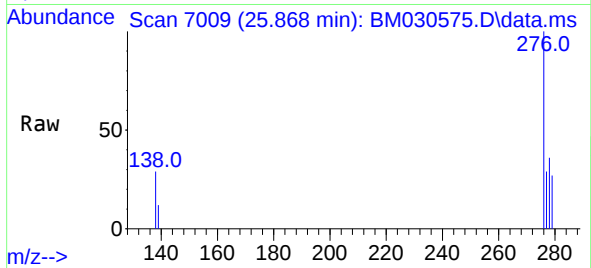
#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.090 ng/ul  
RT: 25.868 min Scan# 7009  
Delta R.T. -0.005 min  
Lab File: BM030575.D  
Acq: 24 Jun 2021 14:59

Tgt Ion: 276 Resp: 5187  
Ion Ratio Lower Upper  
276 100  
138 21.4 19.1 28.7  
227 0.0 0.0 0.0

Instrument :  
BNA\_M  
ClientSampled :  
BGD97DL2

Manual Integrations  
APPROVED

mohammad  
6/25/2021 1:08:22 PM



#28  
Dibenzo(a,h)anthracene  
Concen: 0.044 ng/ul  
RT: 25.873 min Scan# 7011  
Delta R.T. -0.014 min  
Lab File: BM030575.D  
Acq: 24 Jun 2021 14:59

Tgt Ion: 278 Resp: 2010  
Ion Ratio Lower Upper  
278 100  
139 35.2 14.2 21.4#  
279 69.5 21.6 32.4#

