

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062521\  
 Data File : BM030641.D  
 Acq On : 26 Jun 2021 17:06  
 Operator : CG/JU  
 Sample : M2682-02DL 5X  
 Misc :  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGDF3DL

Manual Integrations  
 APPROVED

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Quant Time: Jun 27 02:42:11 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 : Fri Jun 25 10:09:59 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.794  | 152  | 5559     | 0.400  | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.576 | 136  | 23531    | 0.400  | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.420 | 164  | 15157    | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.158 | 188  | 29319    | 0.400  | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.329 | 240  | 21657    | 0.400  | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.579 | 264  | 21070    | 0.400  | ng/ul  | #-0.01   |
|                             |        |      |          |        |        |          |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.283  | 96   | 1633     | 0.275  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.168 | 152  | 953      | 0.025  | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.179 | 212  | 1006     | 0.015  | ng/ul  | 0.00     |
|                             |        |      |          |        |        |          |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 5) Naphthalene              | 10.625 | 128  | 76555    | 1.094  | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.240 | 142  | 13266    | 0.281  | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.460 | 142  | 8878     | 0.193  | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.139 | 152  | 222662   | 3.139  | ng/ul  | 100      |
| 11) Acenaphthene            | 14.481 | 153  | 94728    | 1.639  | ng/ul  | 98       |
| 12) Fluorene                | 15.466 | 166  | 364169   | 5.691  | ng/ul  | 99       |
| 15) Phenanthrene            | 17.203 | 178  | 4026305  | 38.568 | ng/ul  | 98       |
| 16) Anthracene              | 17.290 | 178  | 2568985  | 28.090 | ng/ul  | 100      |
| 19) Fluoranthene            | 19.221 | 202  | 7610063  | 76.434 | ng/ul  | 97       |
| 20) Pyrene                  | 19.579 | 202  | 4567725  | 44.782 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.314 | 228  | 2743829  | 31.894 | ng/ul  | 92       |
| 22) Chrysene                | 21.365 | 228  | 2110653m | 22.100 | ng/ul  |          |
| 24) Benzo(b)fluoranthene    | 22.907 | 252  | 2104021m | 22.956 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.946 | 252  | 910466m  | 9.471  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.482 | 252  | 827945   | 10.179 | ng/ul# | 92       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.863 | 276  | 587855   | 5.684  | ng/ul# | 94       |
| 28) Dibenzo(a,h)anthracene  | 25.863 | 278  | 250286   | 3.034  | ng/ul  | 95       |
| 29) Benzo(g,h,i)perylene    | 26.561 | 276  | 24113    | 0.270  | ng/ul# | 78       |
| -----                       |        |      |          |        |        |          |

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

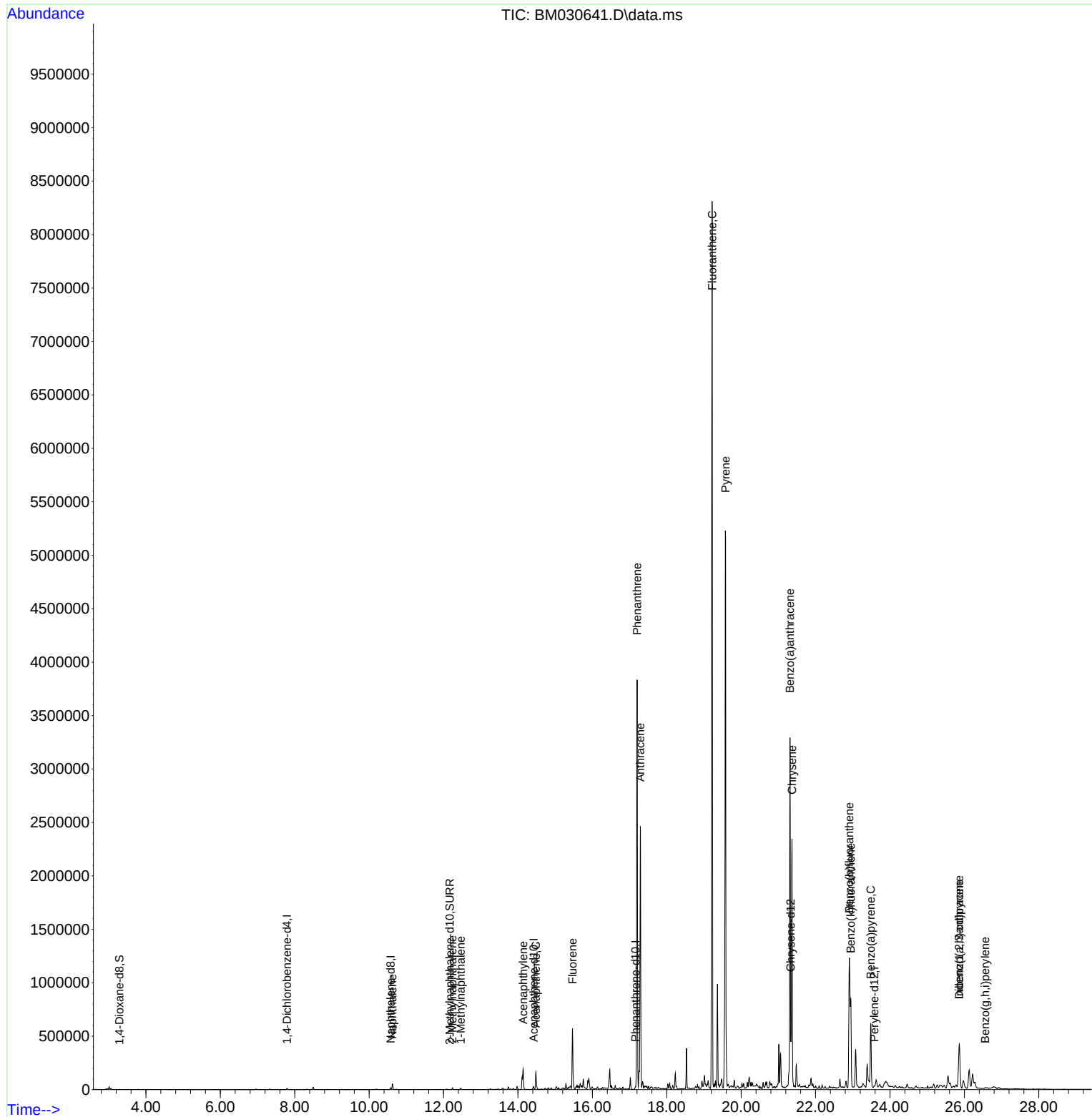
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Data File : BM030641.D  
Acq On : 26 Jun 2021 17:06  
Operator : CG/JU  
Sample : M2682-02DL 5X  
Misc :  
ALS Vial : 53 Sample Multiplier: 1

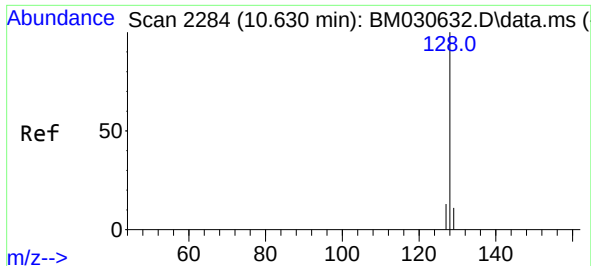
Instrument :  
BNA\_M  
ClientSampleId :  
BGDF3DL

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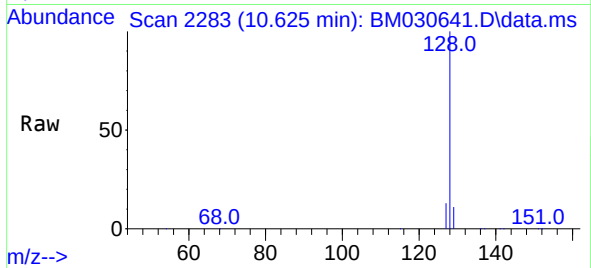
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Quant Time: Jun 27 02:42:11 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM062321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 25 10:09:59 2021  
Response via : Initial Calibration

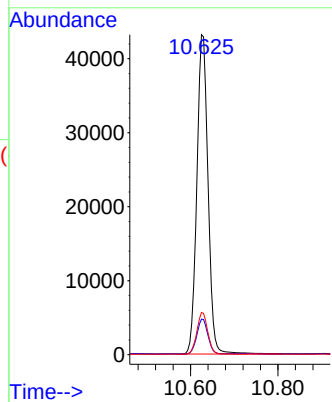
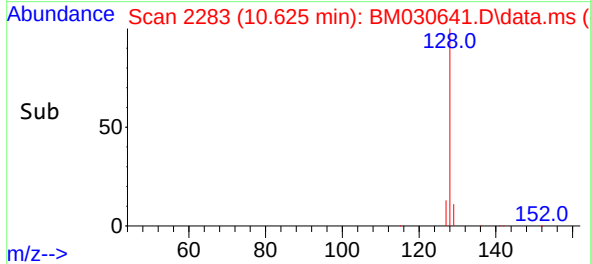




#5  
Naphthalene  
Concen: 1.094 ng/ul  
RT: 10.625 min Scan# 2283  
Delta R.T. -0.010 min  
Lab File: BM030641.D  
Acq: 26 Jun 2021 17:06



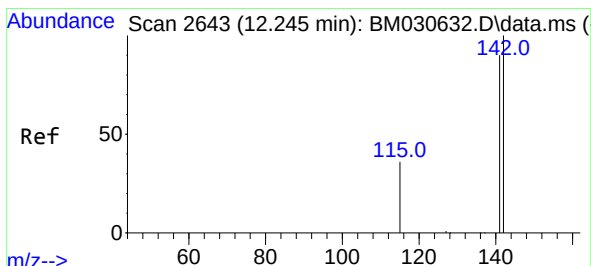
Tgt Ion:128 Resp: 76555  
Ion Ratio Lower Upper  
128 100  
129 11.1 9.0 13.6  
127 13.2 10.9 16.3



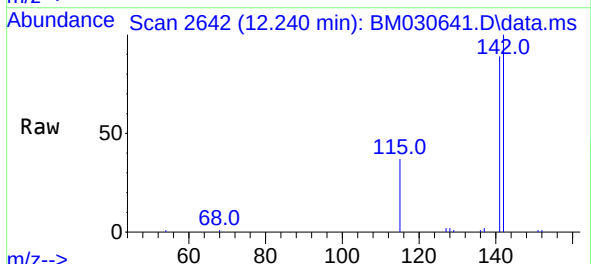
Instrument :  
BNA\_M  
ClientSampleId :  
BGDF3DL

Manual Integrations  
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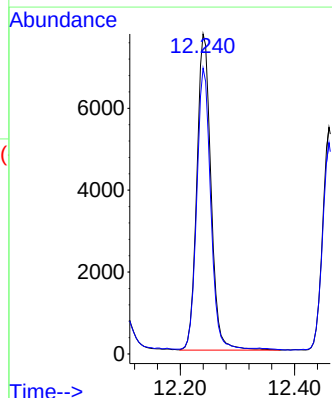
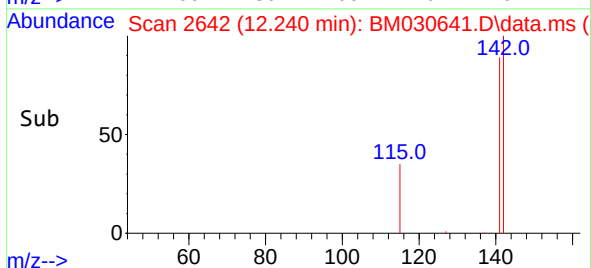
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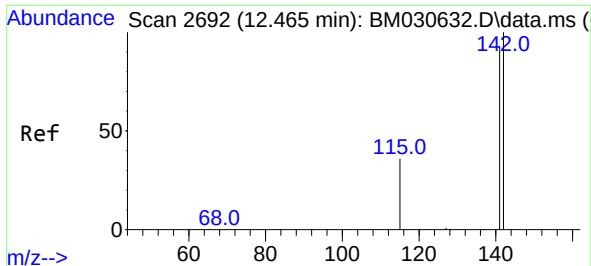


#7  
2-Methylnaphthalene  
Concen: 0.281 ng/ul  
RT: 12.240 min Scan# 2642  
Delta R.T. -0.010 min  
Lab File: BM030641.D  
Acq: 26 Jun 2021 17:06



Tgt Ion:142 Resp: 13266  
Ion Ratio Lower Upper  
142 100  
141 89.2 71.4 107.0





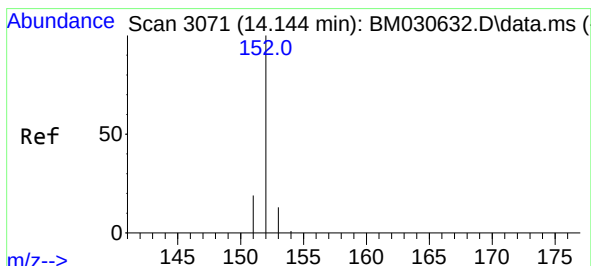
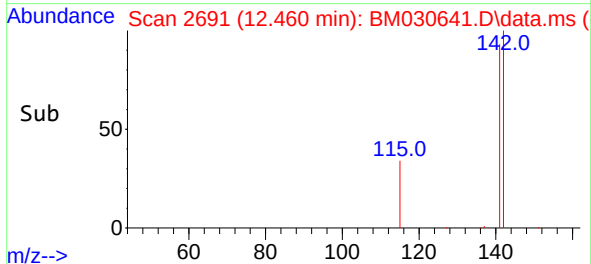
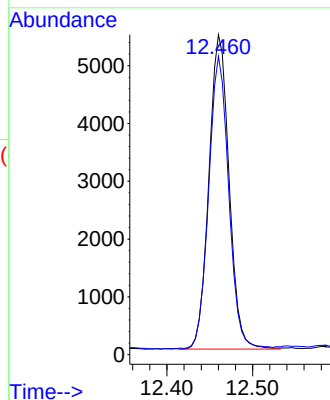
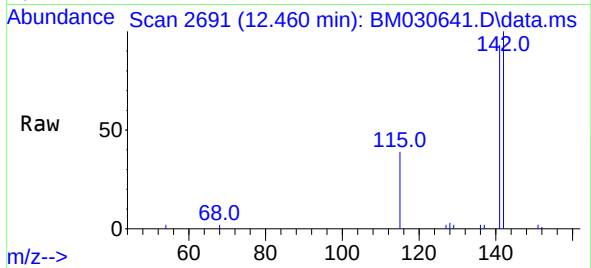
#8  
1-Methylnaphthalene  
Concen: 0.193 ng/ul  
RT: 12.460 min Scan# 2691  
Delta R.T. -0.005 min  
Lab File: BM030641.D  
Acq: 26 Jun 2021 17:06

Tgt Ion:142 Resp: 8878  
Ion Ratio Lower Upper  
142 100  
141 93.0 73.4 110.0

Instrument :  
BNA\_M  
ClientSampleId :  
BGDF3DL

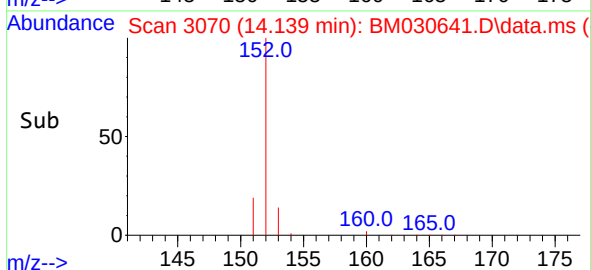
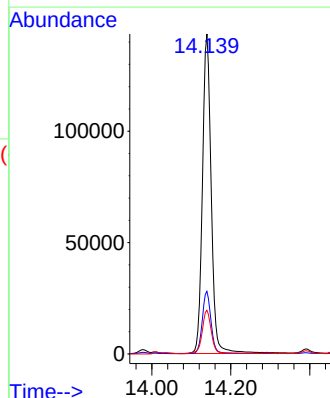
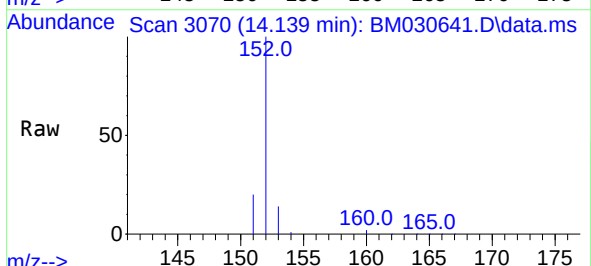
Manual Integrations  
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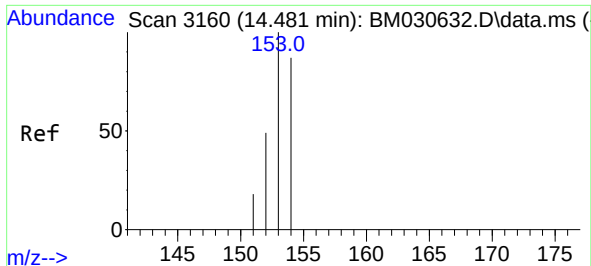
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#10  
Acenaphthylene  
Concen: 3.139 ng/ul  
RT: 14.139 min Scan# 3070  
Delta R.T. -0.005 min  
Lab File: BM030641.D  
Acq: 26 Jun 2021 17:06

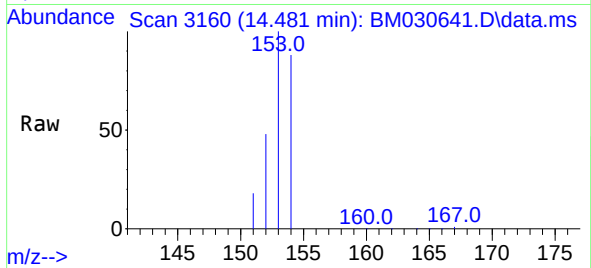
Tgt Ion:152 Resp: 222662  
Ion Ratio Lower Upper  
152 100  
151 19.6 15.5 23.3  
153 13.6 10.7 16.1





#11  
Acenaphthene  
Concen: 1.639 ng/ul  
RT: 14.481 min Scan# 3160  
Delta R.T. -0.005 min  
Lab File: BM030641.D  
Acq: 26 Jun 2021 17:06

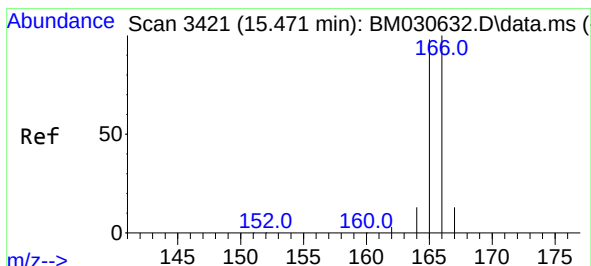
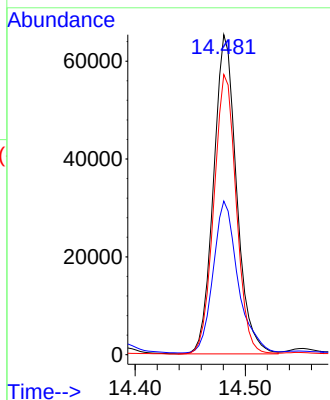
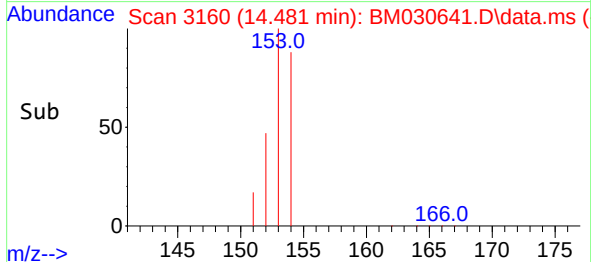
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BNA\_M  
ClientSampled :  
BGDF3DL



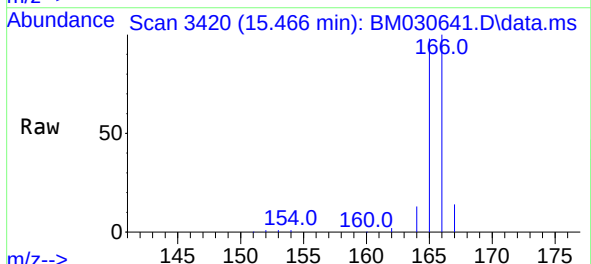
Tgt Ion:153 Resp: 94728  
Ion Ratio Lower Upper  
153 100  
152 48.0 40.2 60.2  
154 87.6 71.2 106.8

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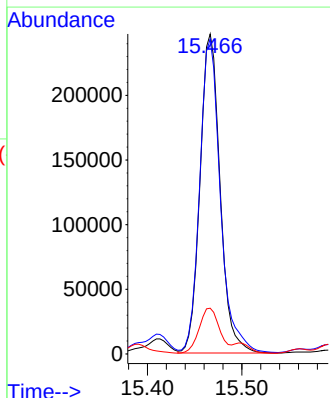
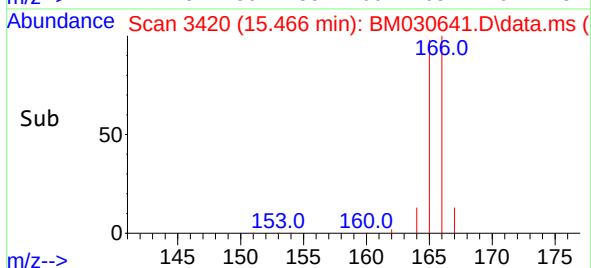
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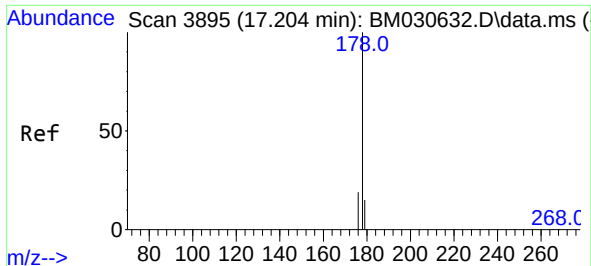


#12  
Fluorene  
Concen: 5.691 ng/ul  
RT: 15.466 min Scan# 3420  
Delta R.T. -0.008 min  
Lab File: BM030641.D  
Acq: 26 Jun 2021 17:06



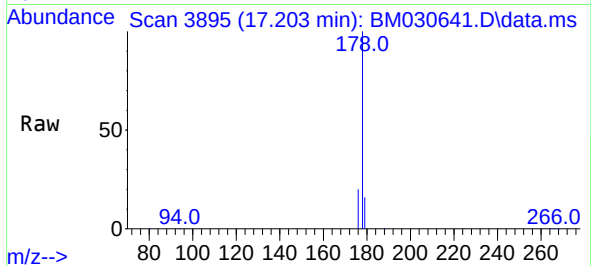
Tgt Ion:166 Resp: 364169  
Ion Ratio Lower Upper  
166 100  
165 98.4 77.7 116.5  
167 14.3 11.3 16.9





#15  
Phenanthrene  
Concen: 38.568 ng/u1  
RT: 17.203 min Scan# 3895  
Delta R.T. -0.001 min  
Lab File: BM030641.D  
Acq: 26 Jun 2021 17:06

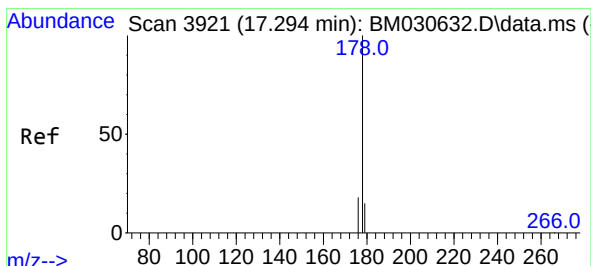
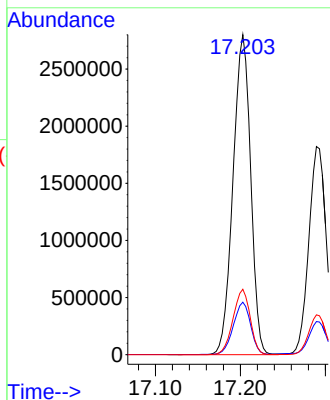
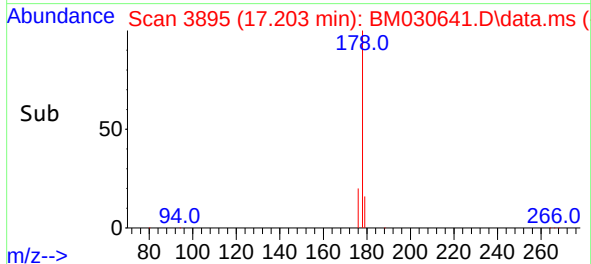
Instrument :  
BNA\_M  
ClientSampled :  
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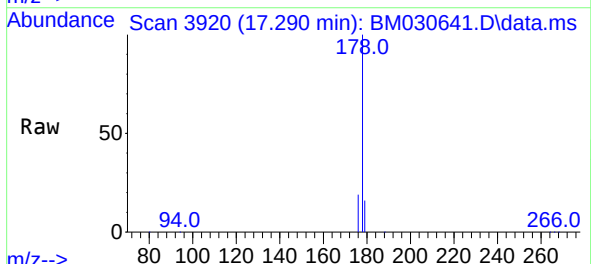
Tgt Ion:178 Resp: 4026305  
Ion Ratio Lower Upper  
178 100  
179 16.4 12.6 19.0  
176 20.5 15.5 23.3

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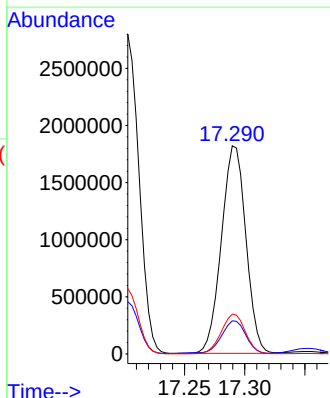
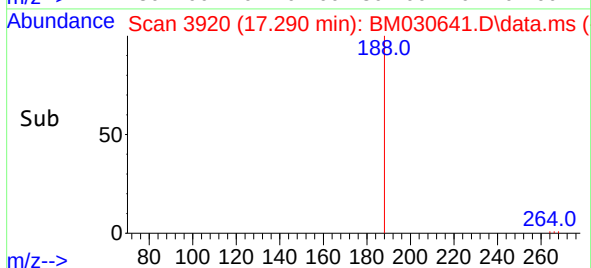
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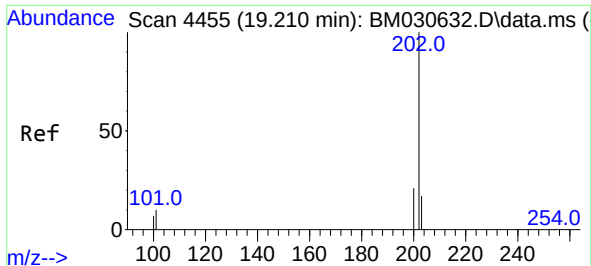


#16  
Anthracene  
Concen: 28.090 ng/u1  
RT: 17.290 min Scan# 3920  
Delta R.T. -0.008 min  
Lab File: BM030641.D  
Acq: 26 Jun 2021 17:06



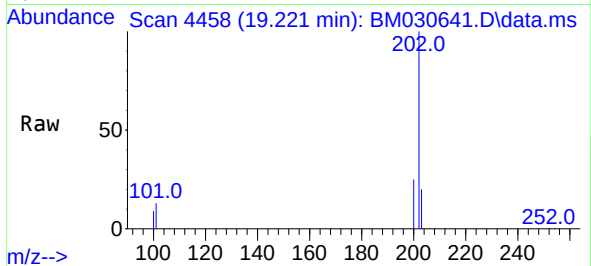
Tgt Ion:178 Resp: 2568985  
Ion Ratio Lower Upper  
178 100  
179 15.9 12.7 19.1  
176 19.2 15.2 22.8





#19  
Fluoranthene  
Concen: 76.434 ng/u1  
RT: 19.221 min Scan# 4458  
Delta R.T. 0.007 min  
Lab File: BM030641.D  
Acq: 26 Jun 2021 17:06

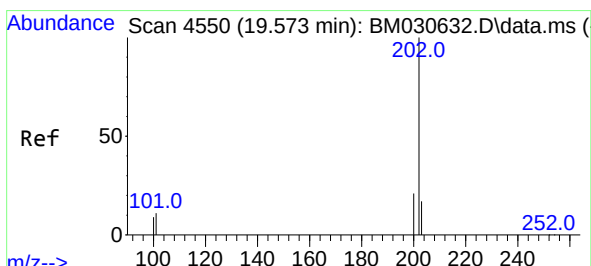
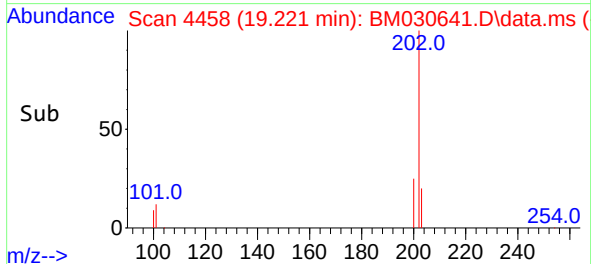
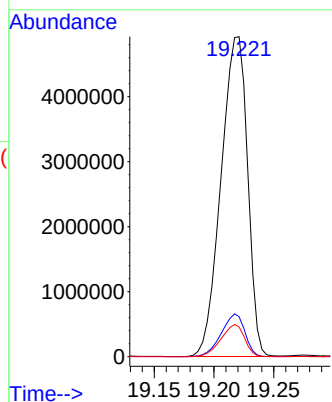
Instrument :  
BNA\_M  
ClientSampleId :  
BGDF3DL



Tgt Ion:202 Resp: 7610063  
Ion Ratio Lower Upper  
202 100  
101 12.5 8.8 13.2  
100 9.3 6.9 10.3

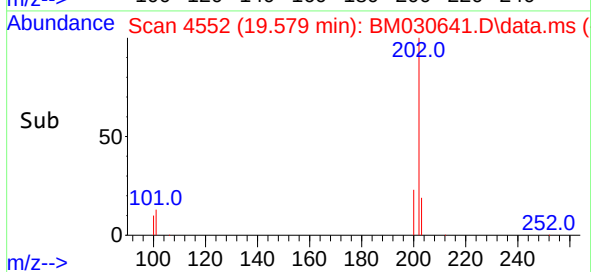
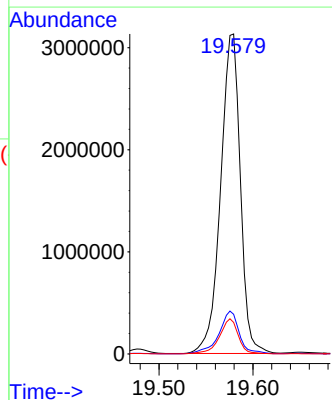
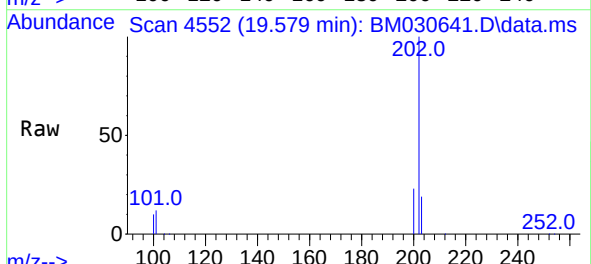
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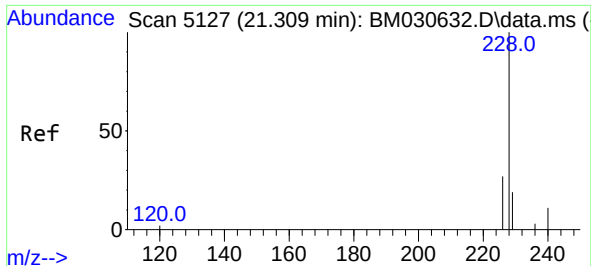
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#20  
Pyrene  
Concen: 44.782 ng/u1  
RT: 19.579 min Scan# 4552  
Delta R.T. 0.003 min  
Lab File: BM030641.D  
Acq: 26 Jun 2021 17:06

Tgt Ion:202 Resp: 4567725  
Ion Ratio Lower Upper  
202 100  
101 12.4 10.1 15.1  
100 9.8 8.2 12.2





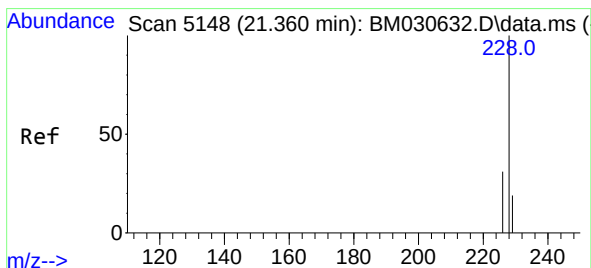
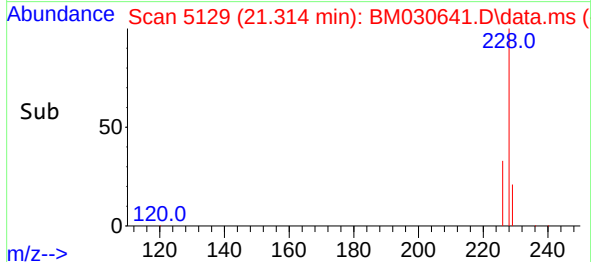
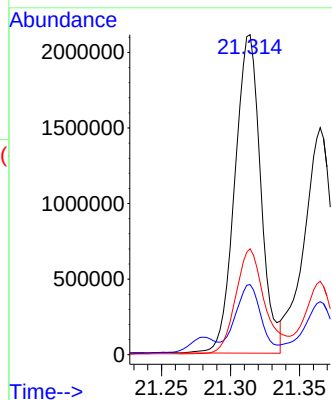
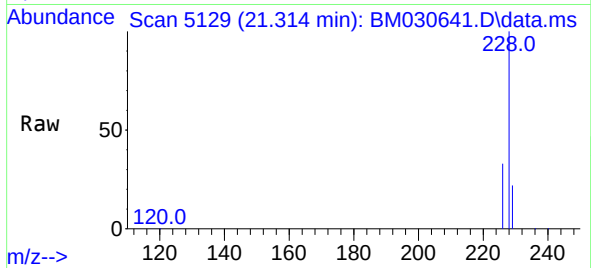
#21  
Benzo(a)anthracene  
Concen: 31.894 ng/ul  
RT: 21.314 min Scan# 5129  
Delta R.T. 0.001 min  
Lab File: BM030641.D  
Acq: 26 Jun 2021 17:06

Tgt Ion:228 Resp: 2743829  
Ion Ratio Lower Upper  
228 100  
229 21.9 15.8 23.6  
226 33.1 22.2 33.4

Instrument :  
BNA\_M  
ClientSampleId :  
BGDF3DL

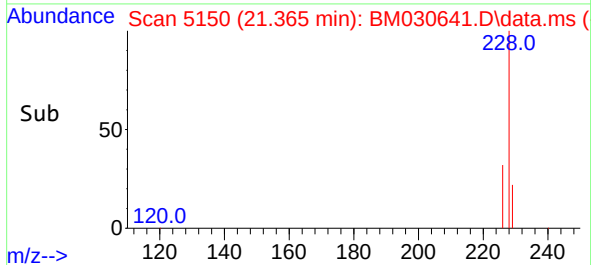
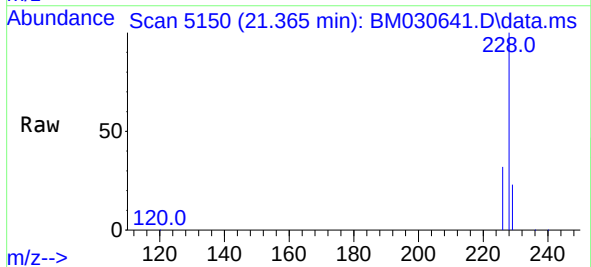
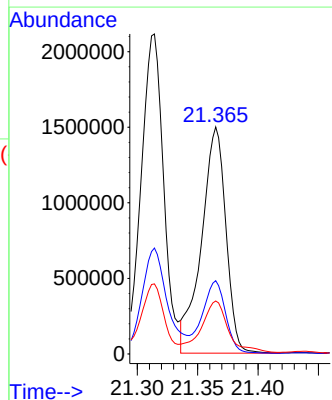
Manual Integrations  
APPROVED

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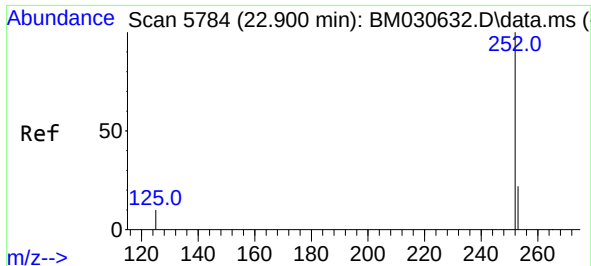


#22  
Chrysene  
Concen: 22.100 ng/ul m  
RT: 21.365 min Scan# 5150  
Delta R.T. 0.001 min  
Lab File: BM030641.D  
Acq: 26 Jun 2021 17:06

Tgt Ion:228 Resp: 2110653  
Ion Ratio Lower Upper  
228 100  
226 32.3 24.4 36.6  
229 23.4 15.4 23.0#







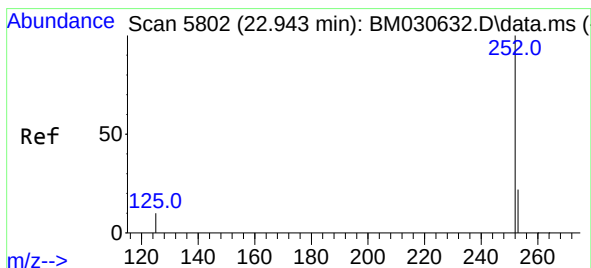
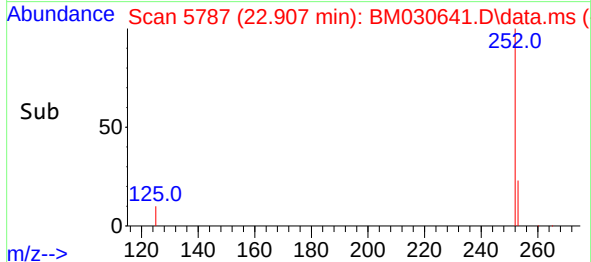
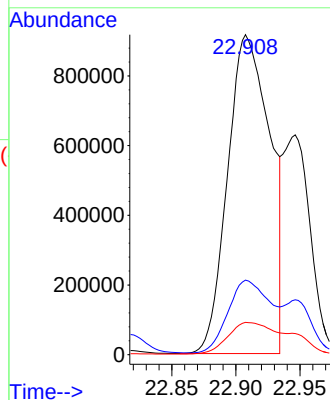
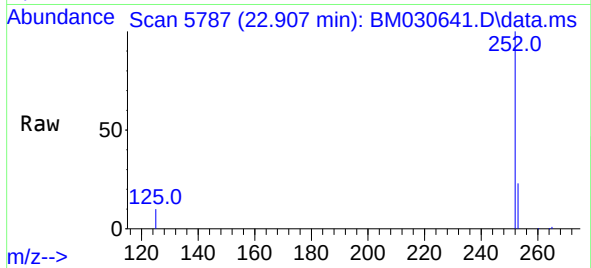
#24  
Benzo(b)fluoranthene  
Concen: 22.956 ng/ul m  
RT: 22.907 min Scan# 5787  
Delta R.T. 0.001 min  
Lab File: BM030641.D  
Acq: 26 Jun 2021 17:06

Tgt Ion:252 Resp: 2104021  
Ion Ratio Lower Upper  
252 100  
253 23.3 0.0 50.2  
125 10.1 0.0 27.8

Instrument :  
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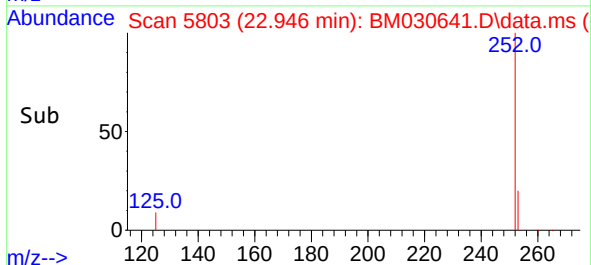
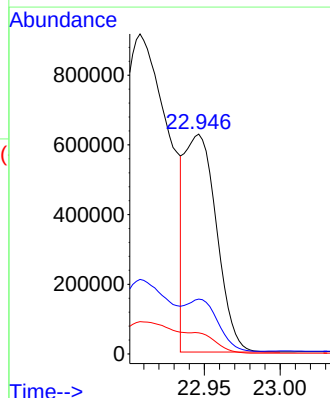
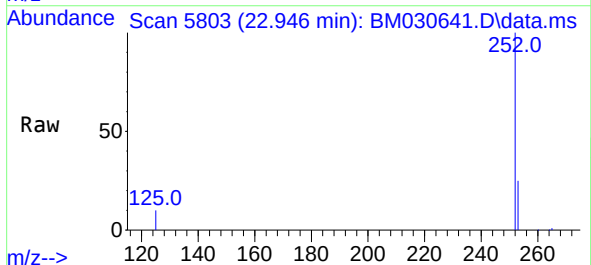
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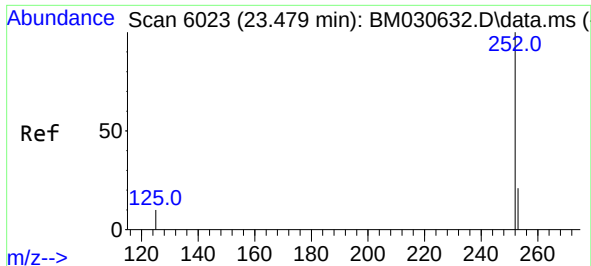
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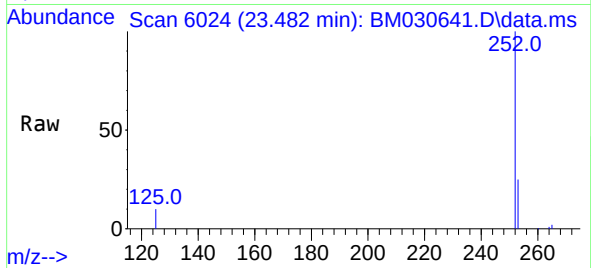
#25  
Benzo(k)fluoranthene  
Concen: 9.471 ng/ul m  
RT: 22.946 min Scan# 5803  
Delta R.T. -0.007 min  
Lab File: BM030641.D  
Acq: 26 Jun 2021 17:06

Tgt Ion:252 Resp: 910466  
Ion Ratio Lower Upper  
252 100  
253 24.9 20.6 31.0  
125 9.6 11.0 16.4#

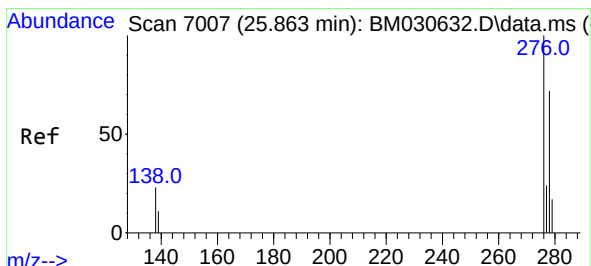
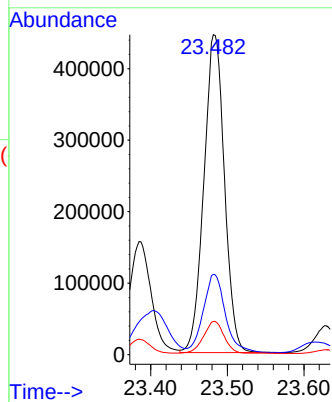
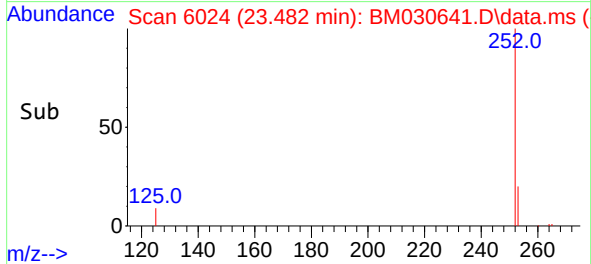




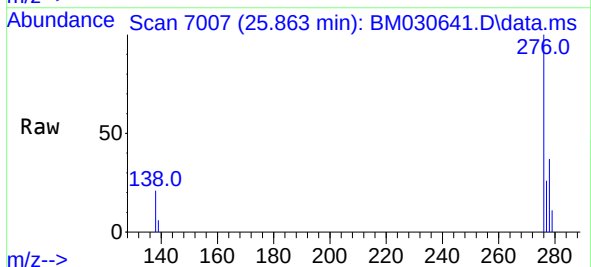
#26  
Benzo(a)pyrene  
Concen: 10.179 ng/ul  
RT: 23.482 min Scan# 6024  
Delta R.T. -0.007 min  
Lab File: BM030641.D  
Acq: 26 Jun 2021 17:06



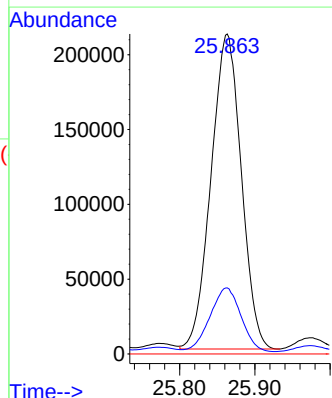
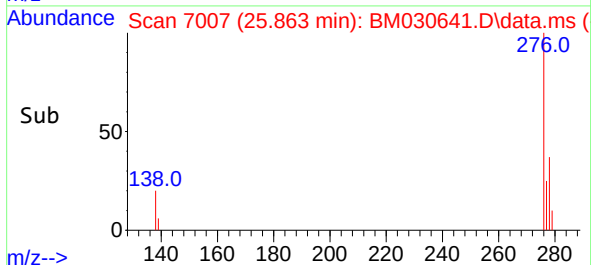
Tgt Ion:252 Resp: 827945  
Ion Ratio Lower Upper  
252 100  
253 25.1 22.0 33.0  
125 10.4 13.4 20.2#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 5.684 ng/ul  
RT: 25.863 min Scan# 7007  
Delta R.T. -0.009 min  
Lab File: BM030641.D  
Acq: 26 Jun 2021 17:06



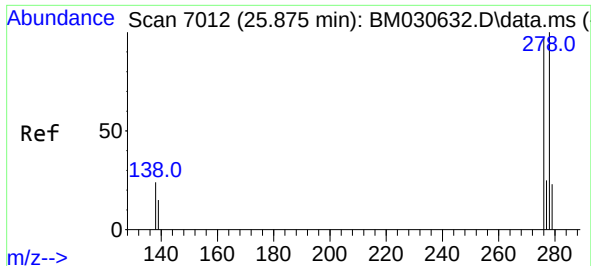
Tgt Ion:276 Resp: 587855  
Ion Ratio Lower Upper  
276 100  
138 20.7 19.1 28.7  
227 0.0 0.0 0.0



Instrument :  
BNA\_M  
ClientSampleId :  
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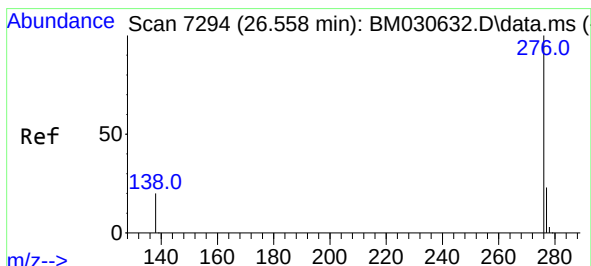
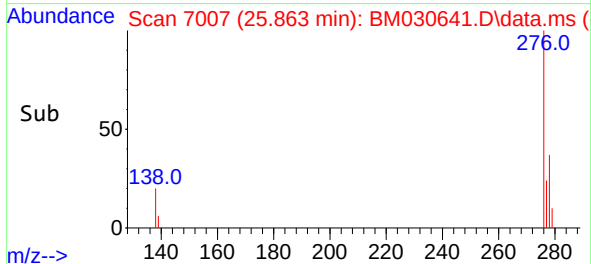
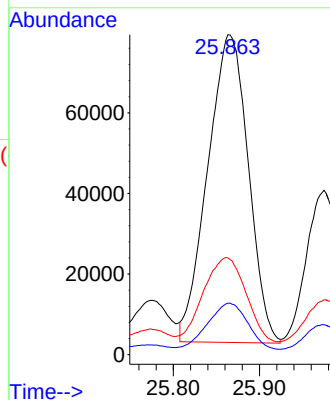
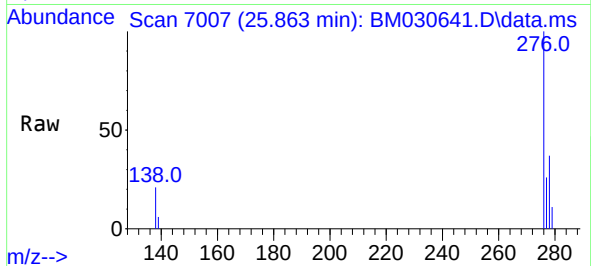
#28  
Dibenzo(a,h)anthracene  
Concen: 3.034 ng/ul  
RT: 25.863 min Scan# 7007  
Delta R.T. -0.024 min  
Lab File: BM030641.D  
Acq: 26 Jun 2021 17:06

Tgt Ion:278 Resp: 250286  
Ion Ratio Lower Upper  
278 100  
139 16.1 14.2 21.4  
279 30.3 21.6 32.4

Instrument :  
BNA\_M  
ClientSampled :  
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#29  
Benzo(g,h,i)perylene  
Concen: 0.270 ng/ul  
RT: 26.561 min Scan# 7295  
Delta R.T. -0.007 min  
Lab File: BM030641.D  
Acq: 26 Jun 2021 17:06

Tgt Ion:276 Resp: 24113  
Ion Ratio Lower Upper  
276 100  
138 30.0 18.0 27.0#  
277 38.7 19.5 29.3#

