

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101821\  
 Data File : BM032573.D  
 Acq On : 18 Oct 2021 14:56  
 Operator : CG/JU  
 Sample : M4181-15  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AZ3

Manual Integrations  
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 10/19/2021 12:10:41 PM

Quant Time: Oct 18 15:28:03 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM101421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 18 10:38:29 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|------|--------|----------|
| -----                       |        |      |          |      |        |          |
| Internal Standards          |        |      |          |      |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.553  | 152  | 4575     | 0.40 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.335 | 136  | 13307    | 0.40 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.209 | 164  | 6234     | 0.40 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.943 | 188  | 11178    | 0.40 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.123 | 240  | 9057     | 0.40 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.259 | 264  | 11199    | 0.40 | ng/ul  | # 0.00   |
|                             |        |      |          |      |        |          |
| System Monitoring Compounds |        |      |          |      |        |          |
| 3) 1,4-Dioxane-d8           | 2.920  | 96   | 21301    | 4.15 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.931 | 152  | 3328     | 0.19 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.970 | 212  | 5444     | 0.19 | ng/ul  | 0.00     |
|                             |        |      |          |      |        |          |
| Target Compounds            |        |      |          |      |        |          |
|                             |        |      |          |      |        | Qvalue   |
| 5) Naphthalene              | 10.384 | 128  | 119085   | 2.95 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.003 | 142  | 91105    | 3.45 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.228 | 142  | 69664    | 2.67 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.928 | 152  | 67474    | 2.54 | ng/ul  | 98       |
| 11) Acenaphthene            | 14.270 | 153  | 3026     | 0.12 | ng/ul# | 89       |
| 12) Fluorene                | 15.256 | 166  | 5482     | 0.20 | ng/ul# | 70       |
| 14) Pentachlorophenol       | 16.616 | 266  | 383      | 0.13 | ng/ul  | 99       |
| 15) Phenanthrene            | 16.984 | 178  | 88578    | 2.36 | ng/ul  | 99       |
| 16) Anthracene              | 17.075 | 178  | 80186    | 2.43 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.000 | 202  | 181485   | 4.05 | ng/ul  | 100      |
| 20) Pyrene                  | 19.362 | 202  | 104735   | 2.27 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.106 | 228  | 142844   | 4.04 | ng/ul  | 95       |
| 22) Chrysene                | 21.157 | 228  | 213401   | 5.48 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.624 | 252  | 438853m  | 8.48 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.663 | 252  | 153787m  | 2.98 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.164 | 252  | 49398    | 1.14 | ng/ul  | 94       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.357 | 276  | 94731    | 1.79 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 25.357 | 278  | 66108    | 1.58 | ng/ul  | 99       |
| 29) Benzo(g,h,i)perylene    | 25.999 | 276  | 3946     | 0.09 | ng/ul# | 61       |
| -----                       |        |      |          |      |        |          |

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

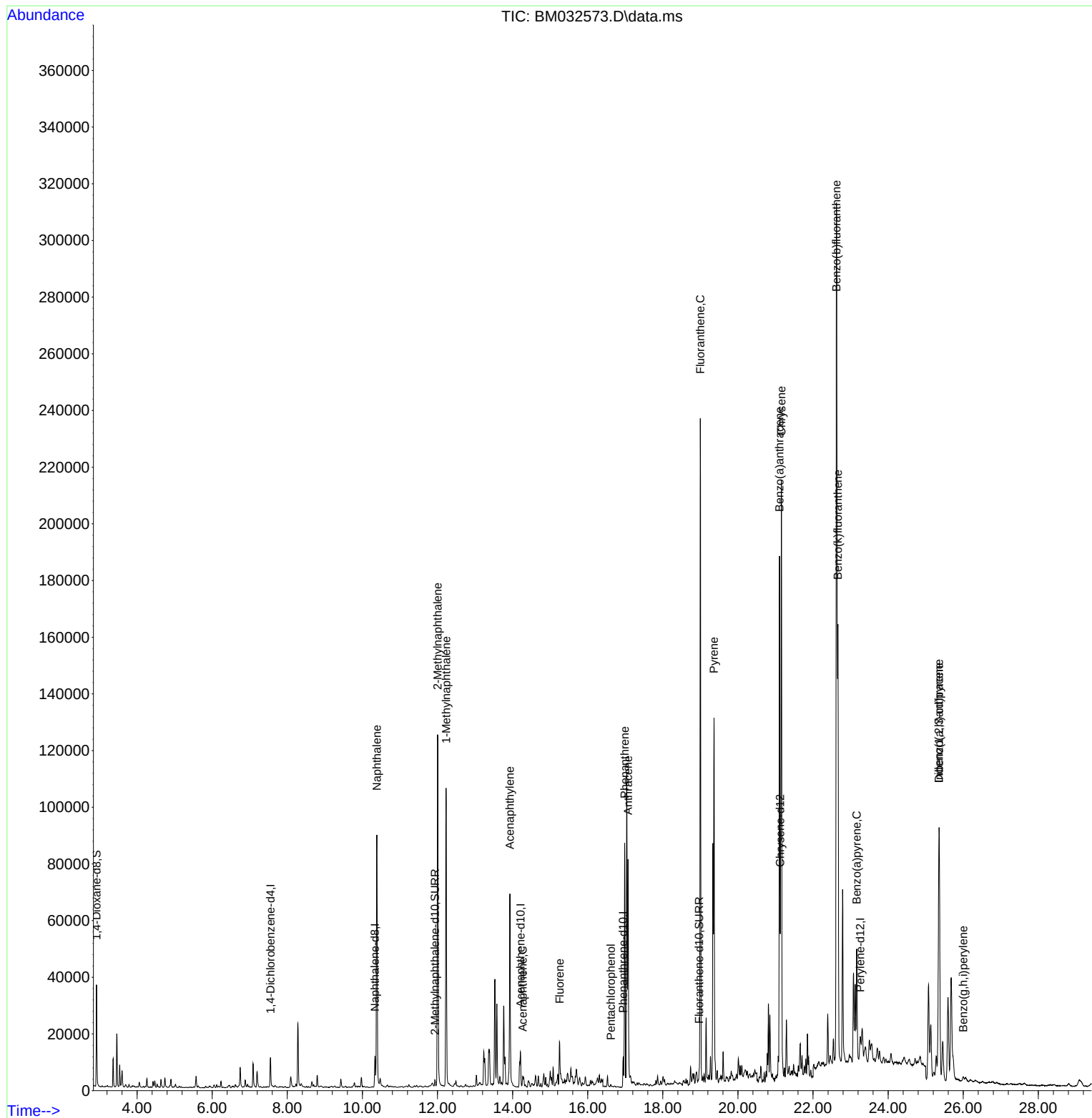
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Data File : BM032573.D  
Acq On : 18 Oct 2021 14:56  
Operator : CG/JU  
Sample : M4181-15  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

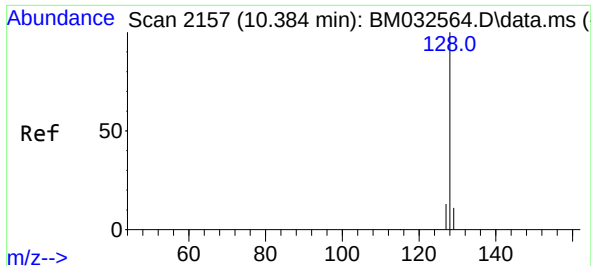
Instrument :  
BNA\_M  
ClientSampleId :  
C0AZ3

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Quant Time: Oct 18 15:28:03 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM101421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 18 10:38:29 2021  
Response via : Initial Calibration





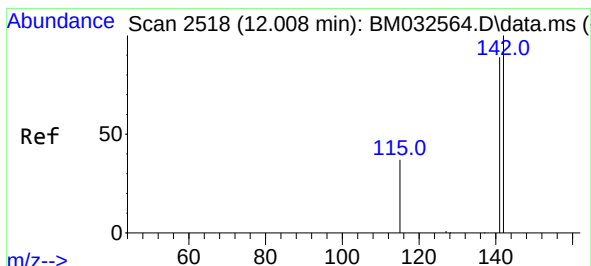
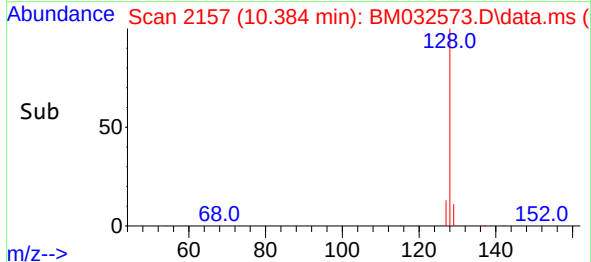
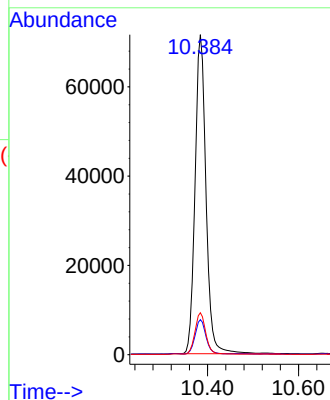
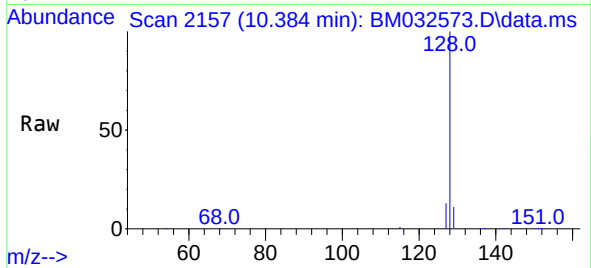
#5  
Naphthalene  
Concen: 2.95 ng/ul  
RT: 10.384 min Scan# 2157  
Delta R.T. -0.000 min  
Lab File: BM032573.D  
Acq: 18 Oct 2021 14:56

Tgt Ion:128 Resp: 119085  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.1 13.7  
127 13.1 11.1 16.7

Instrument :  
BNA\_M  
ClientSampled :  
C0AZ3

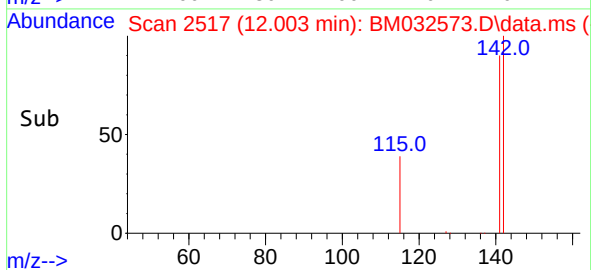
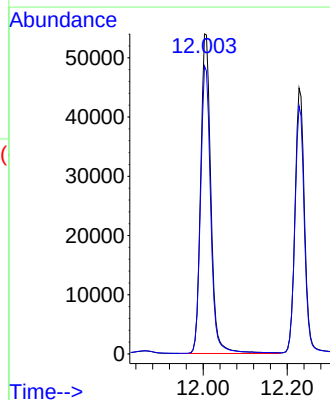
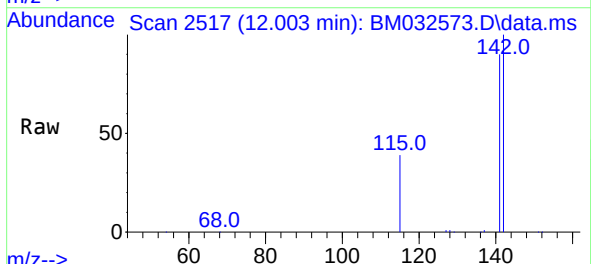
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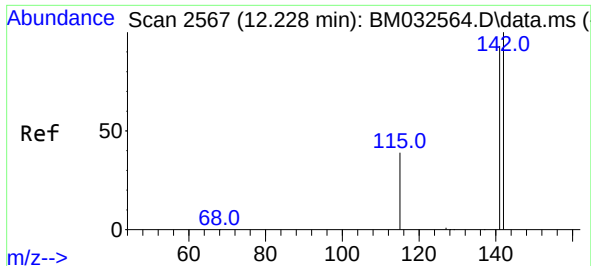
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#7  
2-Methylnaphthalene  
Concen: 3.45 ng/ul  
RT: 12.003 min Scan# 2517  
Delta R.T. -0.005 min  
Lab File: BM032573.D  
Acq: 18 Oct 2021 14:56

Tgt Ion:142 Resp: 91105  
Ion Ratio Lower Upper  
142 100  
141 89.6 72.2 108.2





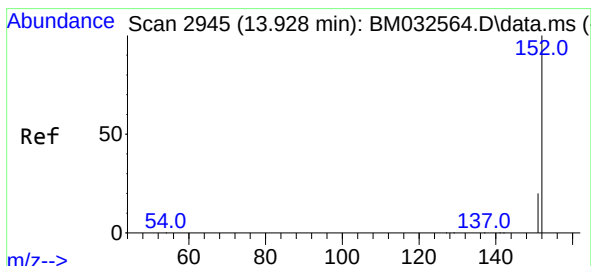
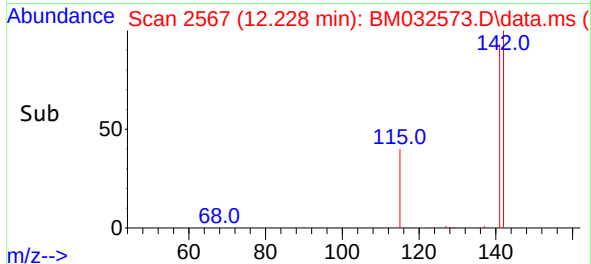
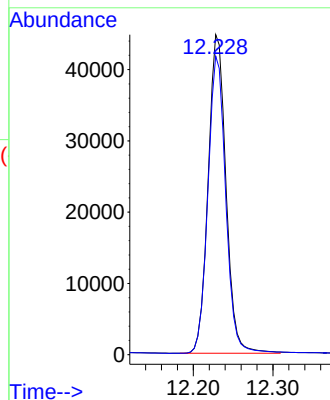
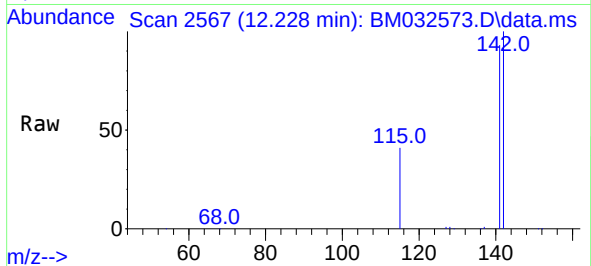
#8  
1-Methylnaphthalene  
Concen: 2.67 ng/ul  
RT: 12.228 min Scan# 2567  
Delta R.T. -0.000 min  
Lab File: BM032573.D  
Acq: 18 Oct 2021 14:56

Tgt Ion:142 Resp: 69664  
Ion Ratio Lower Upper  
142 100  
141 93.1 74.9 112.3

Instrument :  
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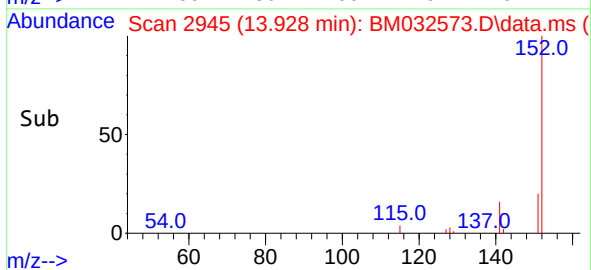
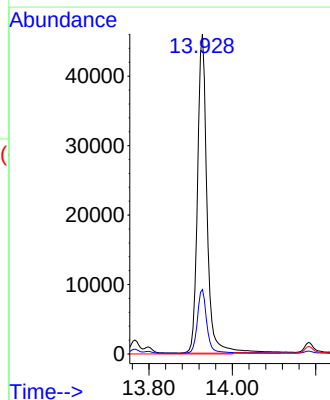
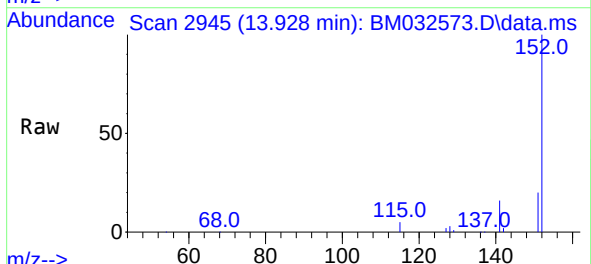
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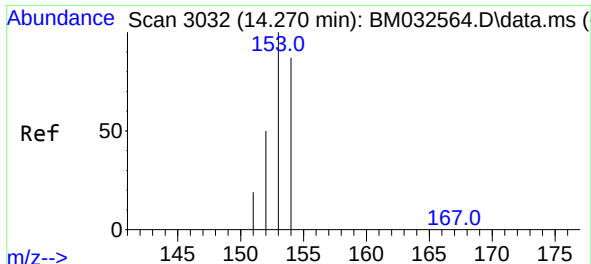
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#10  
Acenaphthylene  
Concen: 2.54 ng/ul  
RT: 13.928 min Scan# 2945  
Delta R.T. -0.000 min  
Lab File: BM032573.D  
Acq: 18 Oct 2021 14:56

Tgt Ion:152 Resp: 67474  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.7 25.1  
153 0.0 0.0 0.0





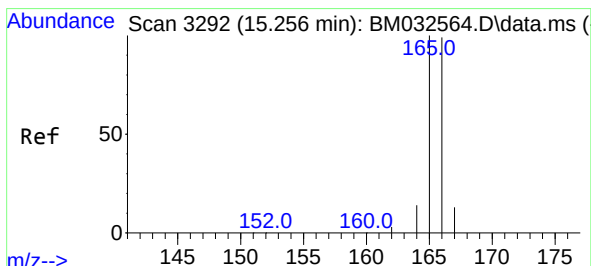
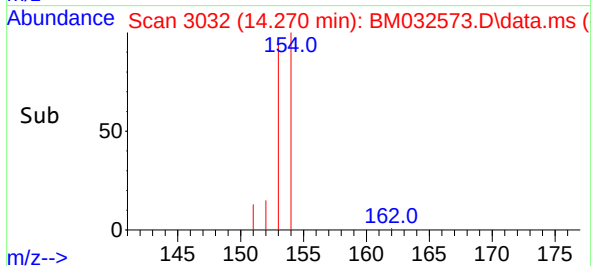
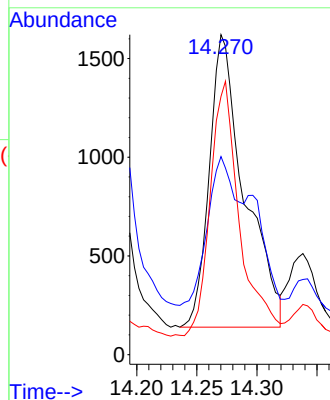
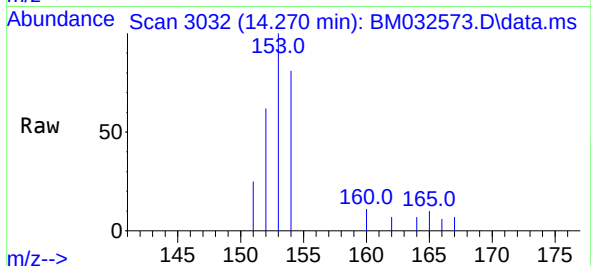
#11  
Acenaphthene  
Concen: 0.12 ng/ul  
RT: 14.270 min Scan# 3032  
Delta R.T. -0.000 min  
Lab File: BM032573.D  
Acq: 18 Oct 2021 14:56

Tgt Ion:153 Resp: 3026  
Ion Ratio Lower Upper  
153 100  
152 61.9 40.4 60.6#  
154 80.7 70.8 106.2

Instrument :  
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ClientSampled :  
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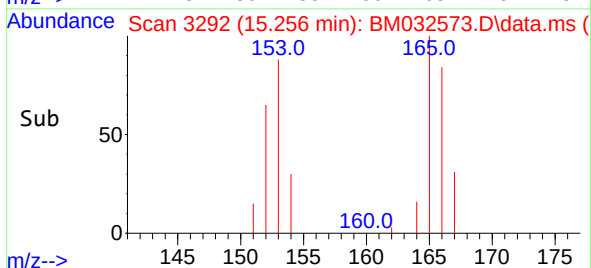
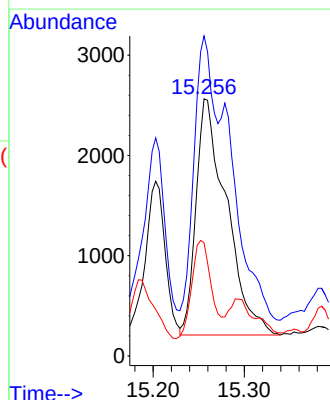
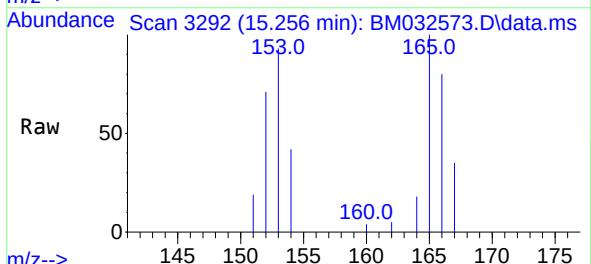
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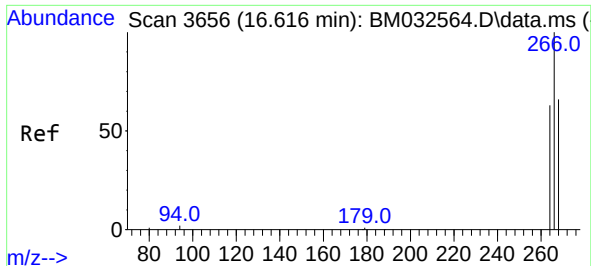
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#12  
Fluorene  
Concen: 0.20 ng/ul  
RT: 15.256 min Scan# 3292  
Delta R.T. -0.000 min  
Lab File: BM032573.D  
Acq: 18 Oct 2021 14:56

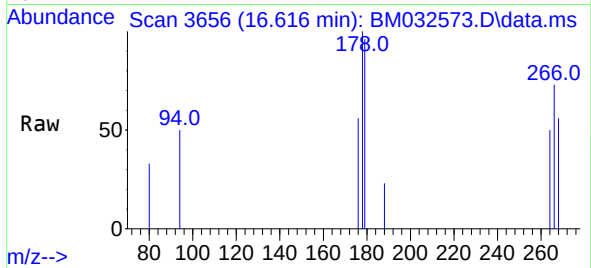
Tgt Ion:166 Resp: 5482  
Ion Ratio Lower Upper  
166 100  
165 124.5 80.7 121.1#  
167 44.0 11.2 16.8#





#14  
Pentachlorophenol  
Concen: 0.13 ng/ul  
RT: 16.616 min Scan# 3656  
Delta R.T. -0.000 min  
Lab File: BM032573.D  
Acq: 18 Oct 2021 14:56

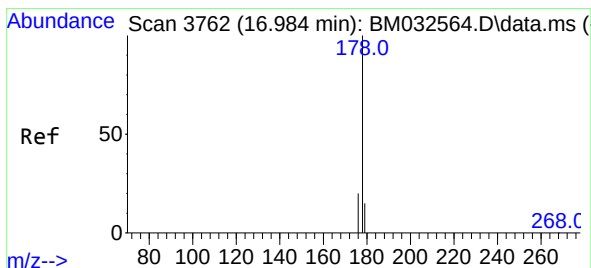
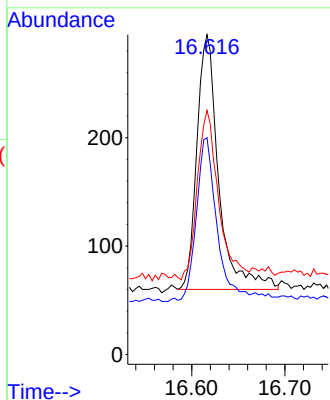
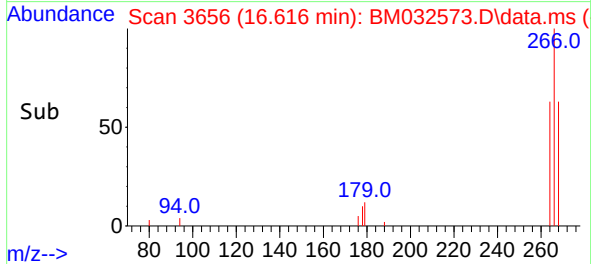
Instrument :  
BNA\_M  
ClientSampleId :  
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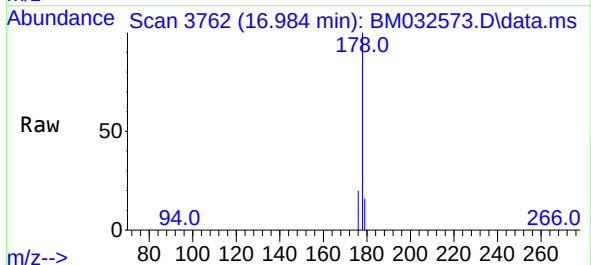
Tgt Ion:266 Resp: 383  
Ion Ratio Lower Upper  
266 100  
264 63.2 50.8 76.2  
268 64.2 50.2 75.2

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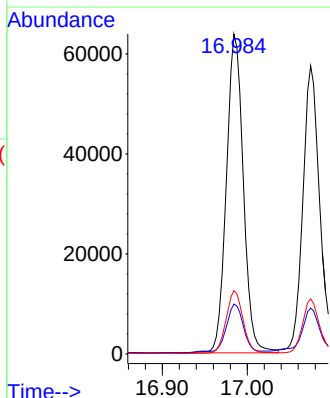
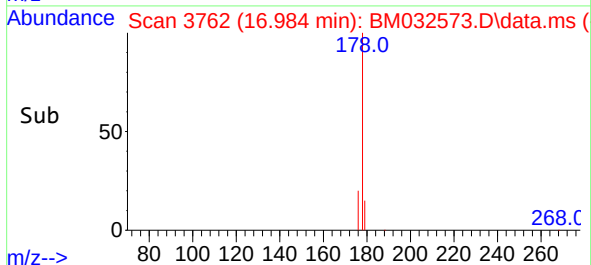
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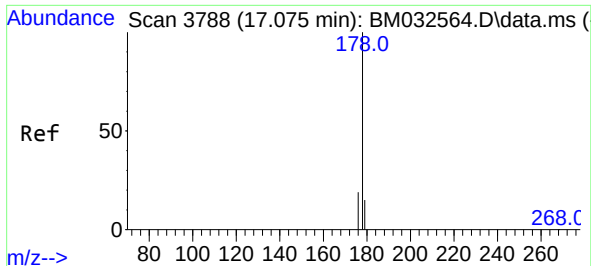


#15  
Phenanthrene  
Concen: 2.36 ng/ul  
RT: 16.984 min Scan# 3762  
Delta R.T. -0.000 min  
Lab File: BM032573.D  
Acq: 18 Oct 2021 14:56



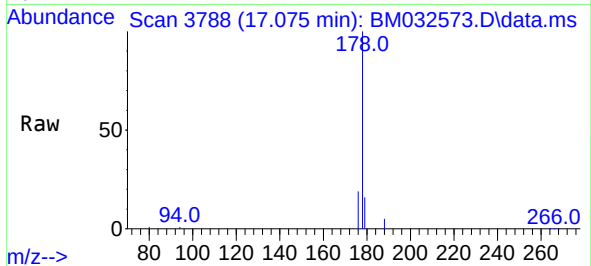
Tgt Ion:178 Resp: 88578  
Ion Ratio Lower Upper  
178 100  
179 15.6 12.9 19.3  
176 19.8 16.1 24.1





#16  
 Anthracene  
 Concen: 2.43 ng/ul  
 RT: 17.075 min Scan# 3788  
 Delta R.T. -0.000 min  
 Lab File: BM032573.D  
 Acq: 18 Oct 2021 14:56

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AZ3

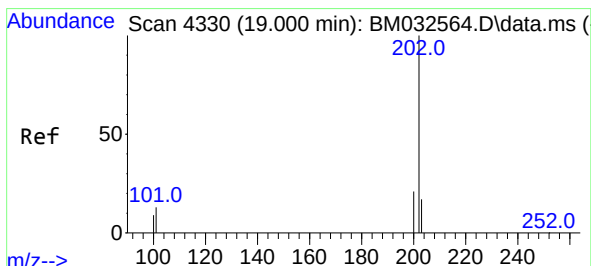
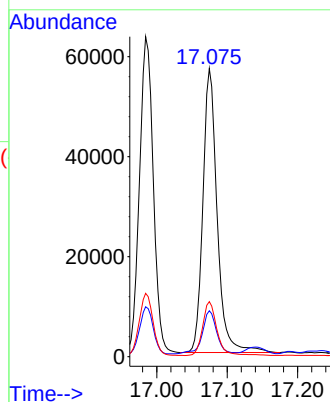


Tgt Ion:178 Resp: 80186

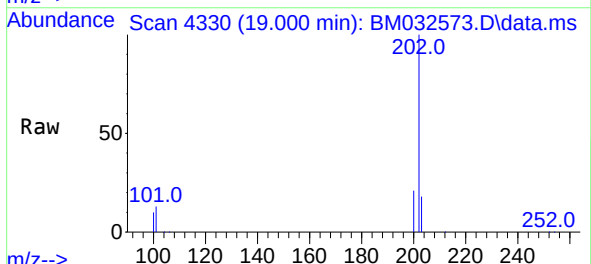
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 16.0  | 12.9  | 19.3  |
| 176 | 19.1  | 15.8  | 23.6  |

Manual Integrations  
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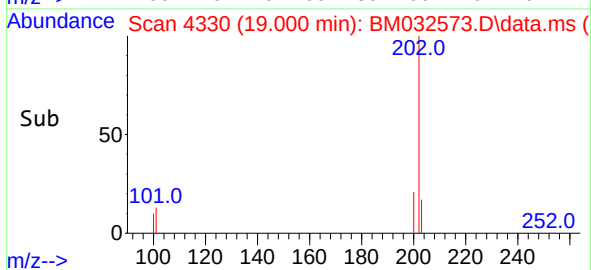
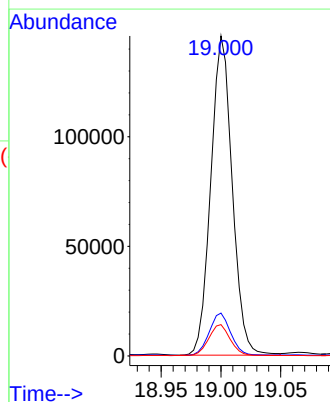


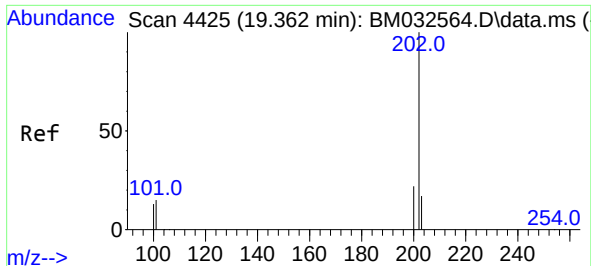
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 Fluoranthene  
 Concen: 4.05 ng/ul  
 RT: 19.000 min Scan# 4330  
 Delta R.T. -0.000 min  
 Lab File: BM032573.D  
 Acq: 18 Oct 2021 14:56



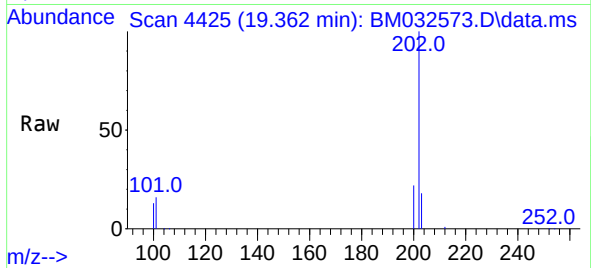
Tgt Ion:202 Resp: 181485

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 13.4  | 10.6  | 16.0  |
| 100 | 9.8   | 7.8   | 11.8  |

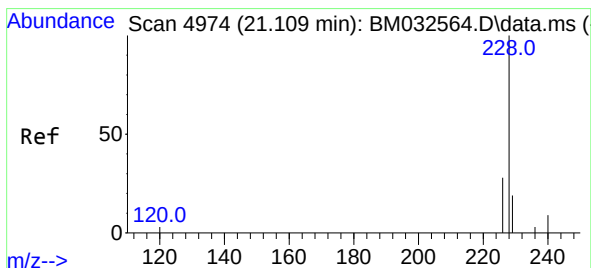
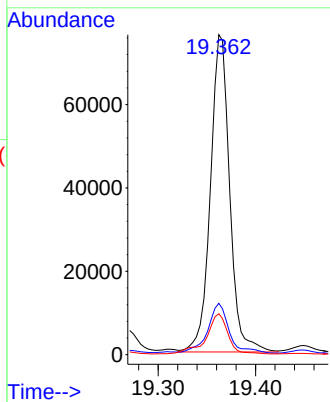
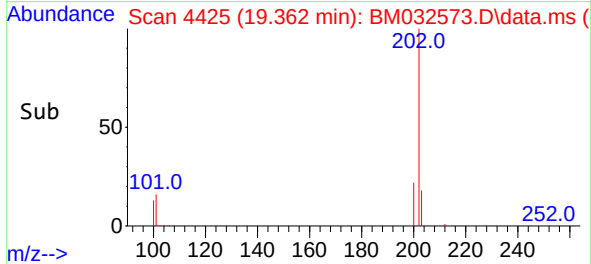




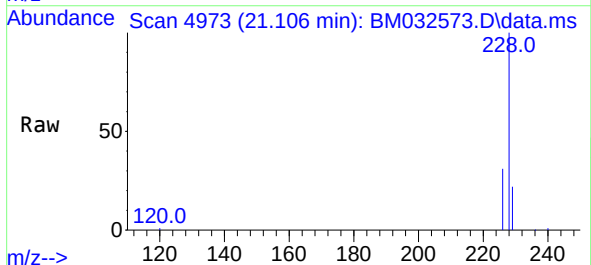
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Pyrene  
Concen: 2.27 ng/ul  
RT: 19.362 min Scan# 4425  
Delta R.T. -0.000 min  
Lab File: BM032573.D  
Acq: 18 Oct 2021 14:56



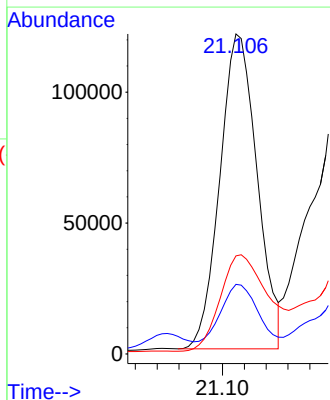
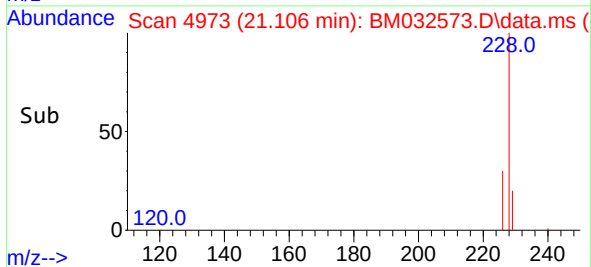
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Ion Ratio Lower Upper  
202 100  
101 16.1 12.3 18.5  
100 12.8 10.1 15.1



#21  
Benzo(a)anthracene  
Concen: 4.04 ng/ul  
RT: 21.106 min Scan# 4973  
Delta R.T. -0.002 min  
Lab File: BM032573.D  
Acq: 18 Oct 2021 14:56



Tgt Ion:228 Resp: 142844  
Ion Ratio Lower Upper  
228 100  
229 21.8 15.9 23.9  
226 30.6 22.4 33.6

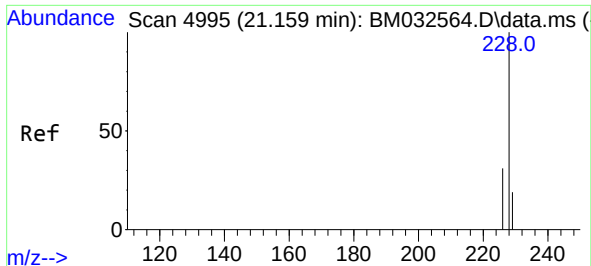


Instrument :  
BNA\_M  
ClientSampleId :  
C0AZ3

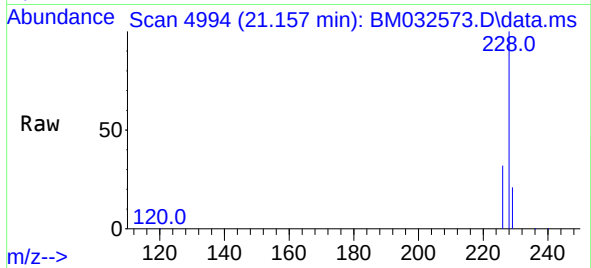
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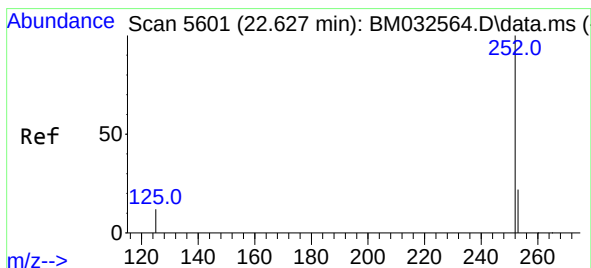
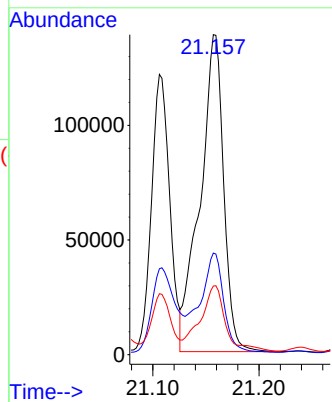
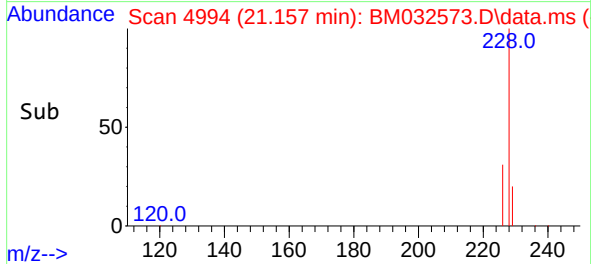




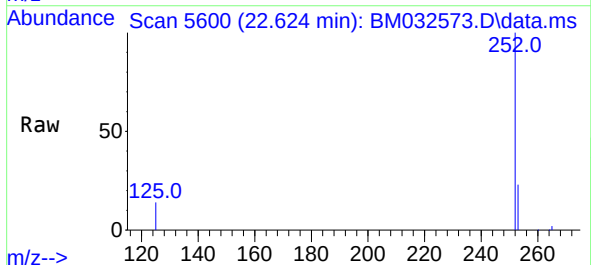
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Chrysene  
Concen: 5.48 ng/ul  
RT: 21.157 min Scan# 4994  
Delta R.T. -0.002 min  
Lab File: BM032573.D  
Acq: 18 Oct 2021 14:56



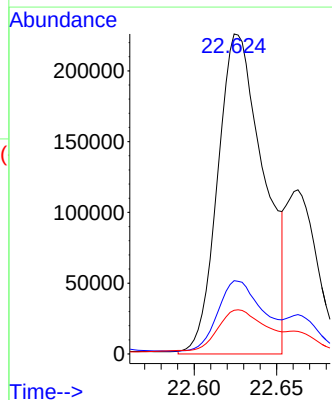
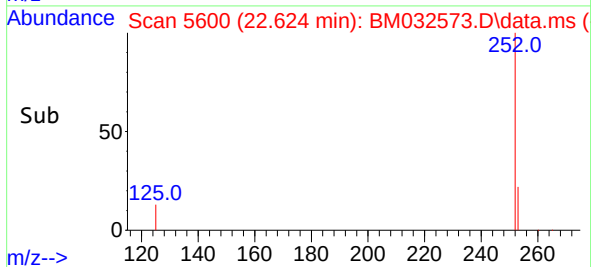
Tgt Ion:228 Resp: 213401  
Ion Ratio Lower Upper  
228 100  
226 31.8 25.1 37.7  
229 21.5 15.7 23.5



#24  
Benzo(b)fluoranthene  
Concen: 8.48 ng/ul m  
RT: 22.624 min Scan# 5600  
Delta R.T. -0.002 min  
Lab File: BM032573.D  
Acq: 18 Oct 2021 14:56



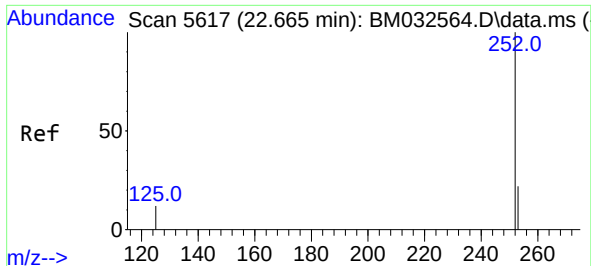
Tgt Ion:252 Resp: 438853  
Ion Ratio Lower Upper  
252 100  
253 22.9 0.0 53.8  
125 13.6 0.0 35.6



Instrument :  
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ClientSampled :  
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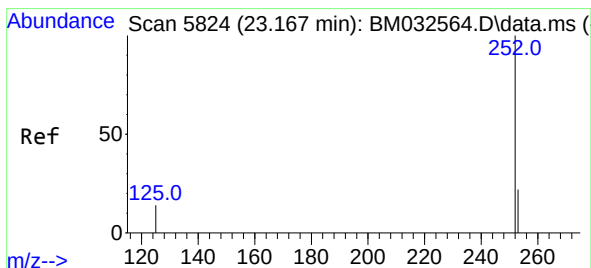
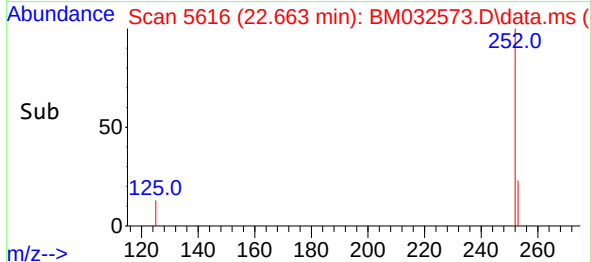
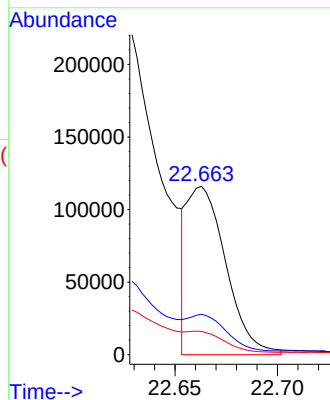
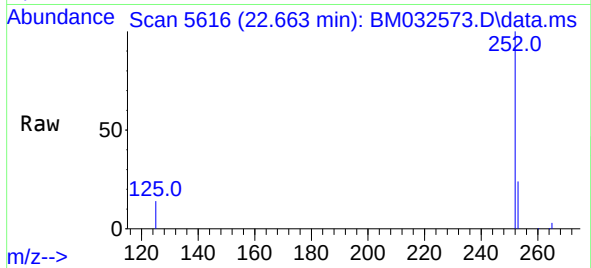
#25  
Benzo(k)fluoranthene  
Concen: 2.98 ng/ul m  
RT: 22.663 min Scan# 5616  
Delta R.T. -0.002 min  
Lab File: BM032573.D  
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Tgt Ion:252 Resp: 153787  
Ion Ratio Lower Upper  
252 100  
253 24.0 21.8 32.6  
125 13.8 14.4 21.6#

Instrument :  
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ClientSampleId :  
C0AZ3

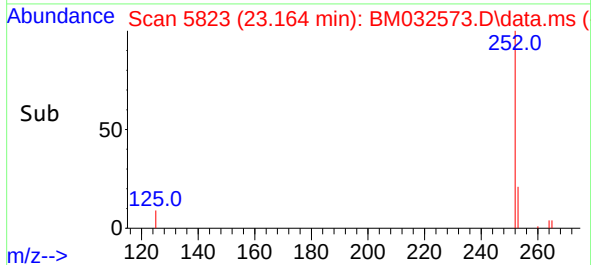
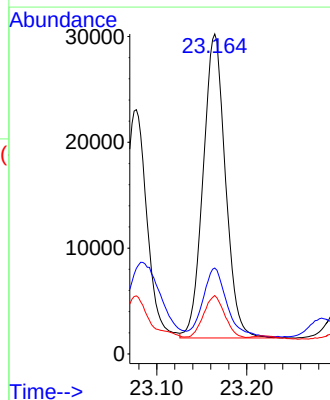
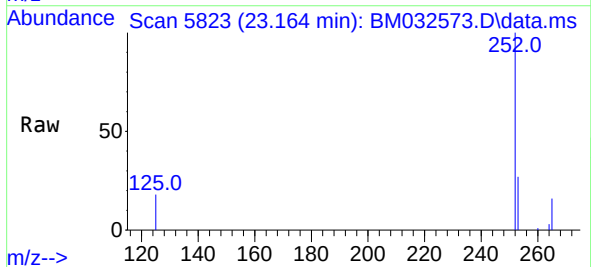
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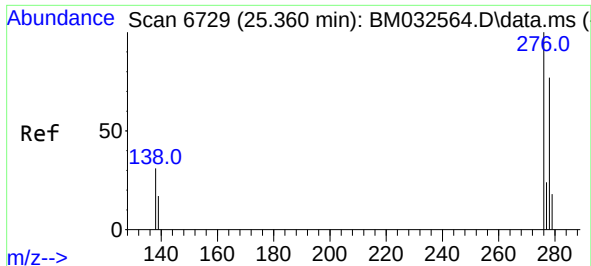
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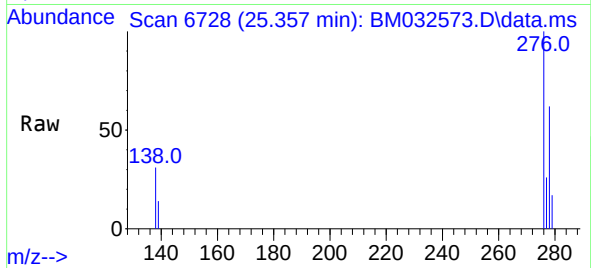
#26  
Benzo(a)pyrene  
Concen: 1.14 ng/ul  
RT: 23.164 min Scan# 5823  
Delta R.T. -0.002 min  
Lab File: BM032573.D  
Acq: 18 Oct 2021 14:56

Tgt Ion:252 Resp: 49398  
Ion Ratio Lower Upper  
252 100  
253 26.9 23.6 35.4  
125 18.2 17.1 25.7

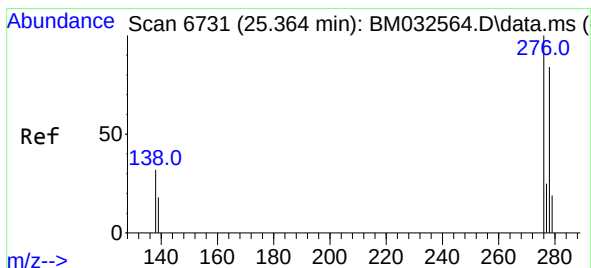
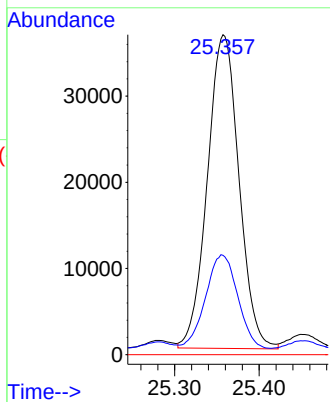
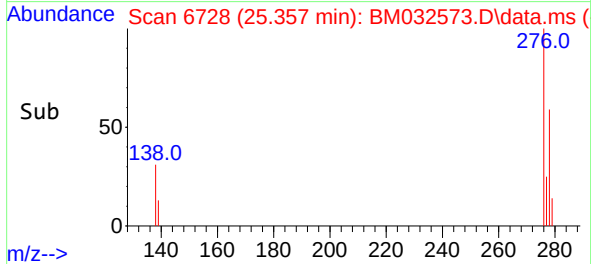




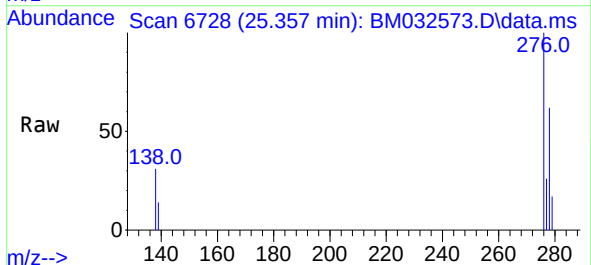
#27  
Indeno(1,2,3-cd)pyrene  
Concen: 1.79 ng/ul  
RT: 25.357 min Scan# 6728  
Delta R.T. -0.002 min  
Lab File: BM032573.D  
Acq: 18 Oct 2021 14:56



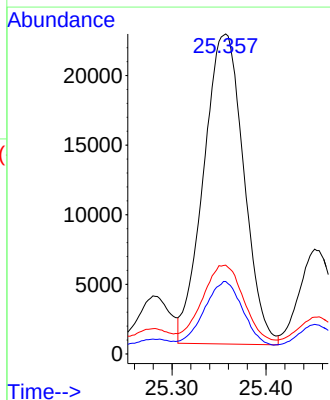
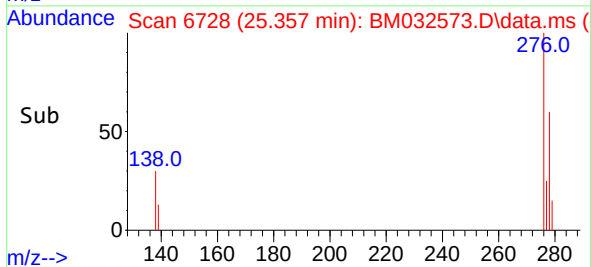
Tgt Ion: 276 Resp: 94731  
Ion Ratio Lower Upper  
276 100  
138 30.5 24.9 37.3  
227 0.0 0.0 0.0



#28  
Dibenzo(a,h)anthracene  
Concen: 1.58 ng/ul  
RT: 25.357 min Scan# 6728  
Delta R.T. -0.007 min  
Lab File: BM032573.D  
Acq: 18 Oct 2021 14:56



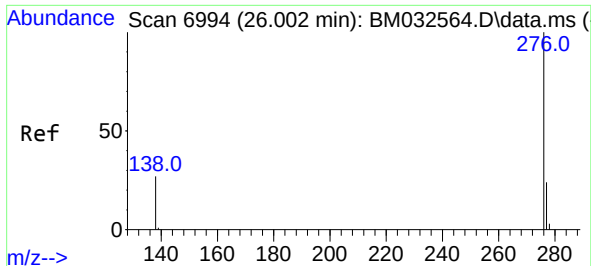
Tgt Ion: 278 Resp: 66108  
Ion Ratio Lower Upper  
278 100  
139 22.6 18.6 28.0  
279 27.7 22.0 33.0



Instrument :  
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ClientSampleId :  
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#29  
Benzo(g,h,i)perylene  
Concen: 0.09 ng/ul  
RT: 25.999 min Scan# 6993  
Delta R.T. -0.002 min  
Lab File: BM032573.D  
Acq: 18 Oct 2021 14:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 48.5  | 22.6  | 33.8# |
| 277     | 44.3  | 19.9  | 29.9# |

Instrument :  
BNA\_M  
ClientSampleId :  
C0AZ3

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