

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM092721\  
 Data File : BM032244.D  
 Acq On : 28 Sep 2021 17:24  
 Operator : CG/JU  
 Sample : M3755-01DL 5X  
 Misc :  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AA6DL

Manual Integrations  
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 9/29/2021 12:52:19 PM

Quant Time: Sep 28 17:54:13 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   | 7.660  | 152  | 7806     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.451 | 136  | 24458    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.304 | 164  | 11212    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.029 | 188  | 20224    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.191 | 240  | 15290    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.353 | 264  | 13666    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 2.989  | 96   | 3359     | 0.400 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.044 | 152  | 772      | 0.024 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.049 | 212  | 1156     | 0.028 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.501 | 128  | 4028     | 0.056 | ng/ul  | 95       |
| 7) 2-Methylnaphthalene      | 12.115 | 142  | 2677     | 0.058 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.336 | 142  | 2013     | 0.044 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.020 | 152  | 1087     | 0.024 | ng/ul# | 76       |
| 11) Acenaphthene            | 14.365 | 153  | 1646     | 0.040 | ng/ul  | 97       |
| 12) Fluorene                | 15.347 | 166  | 1015     | 0.022 | ng/ul# | 91       |
| 15) Phenanthrene            | 17.071 | 178  | 22730    | 0.345 | ng/ul  | 99       |
| 16) Anthracene              | 17.161 | 178  | 5212     | 0.096 | ng/ul  | 95       |
| 19) Fluoranthene            | 19.080 | 202  | 60228    | 0.944 | ng/ul  | 99       |
| 20) Pyrene                  | 19.438 | 202  | 61658    | 0.963 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.174 | 228  | 40716    | 0.753 | ng/ul  | 99       |
| 22) Chrysene                | 21.225 | 228  | 45340    | 0.717 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.709 | 252  | 74400m   | 1.050 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.748 | 252  | 24705m   | 0.361 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.259 | 252  | 53419    | 1.003 | ng/ul  | 93       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.495 | 276  | 40972    | 0.601 | ng/ul# | 87       |
| 28) Dibenzo(a,h)anthracene  | 25.493 | 278  | 9546     | 0.172 | ng/ul# | 87       |
| 29) Benzo(g,h,i)perylene    | 26.156 | 276  | 39790    | 0.617 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

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

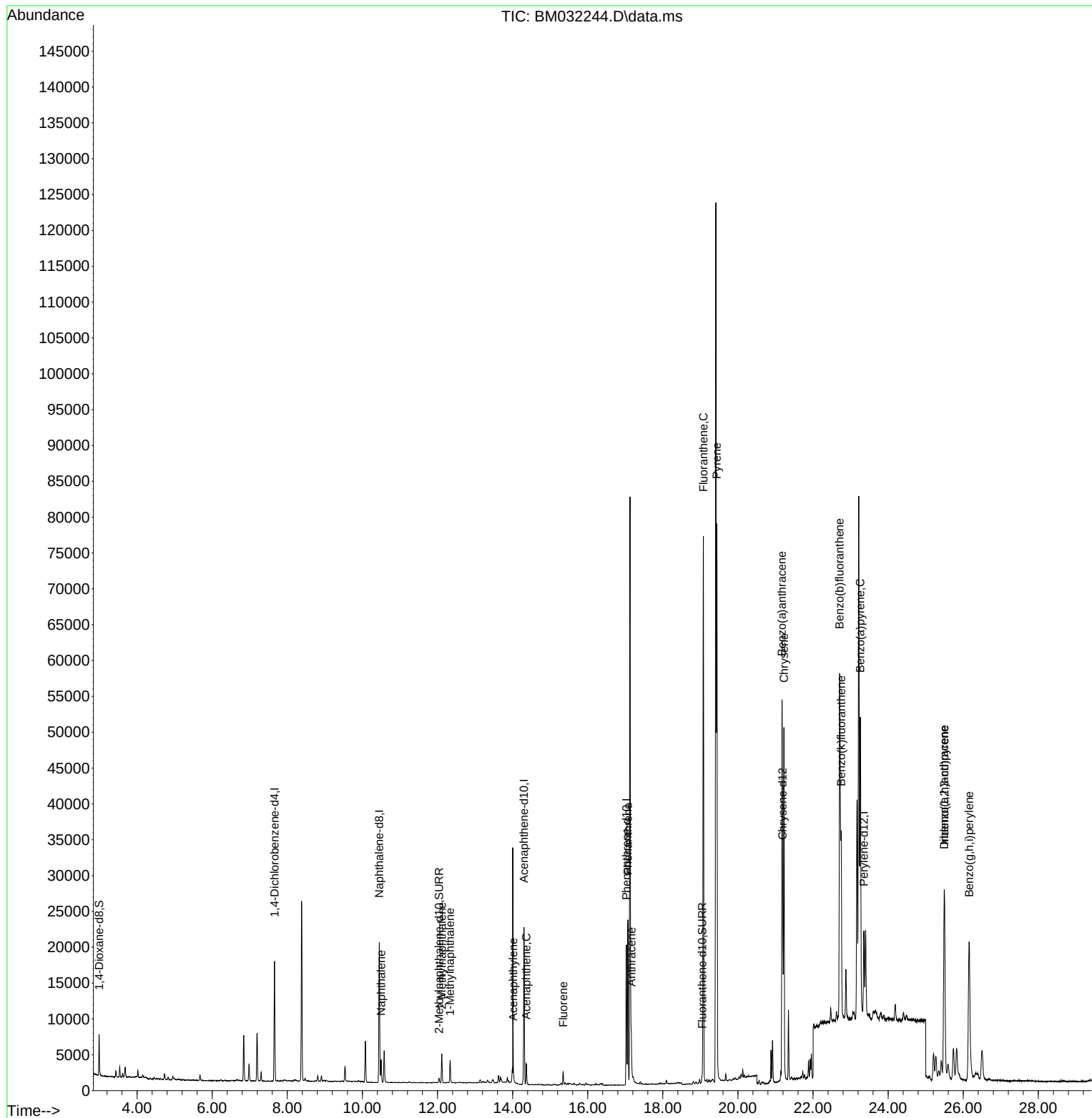
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Data File : BM032244.D  
Acq On : 28 Sep 2021 17:24  
Operator : CG/JU  
Sample : M3755-01DL 5X  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

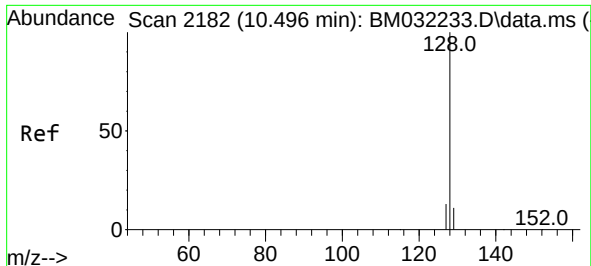
Instrument :  
BNA\_M  
ClientSampleId :  
C0AA6DL

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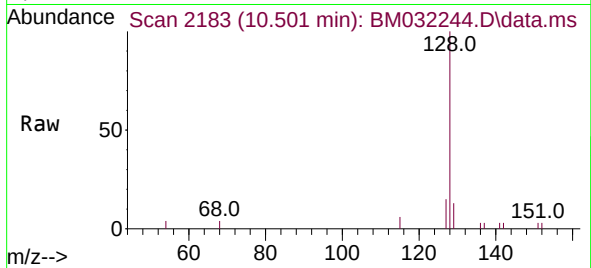
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Quant Time: Sep 28 17:54:13 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM092721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 27 13:37:22 2021  
Response via : Initial Calibration

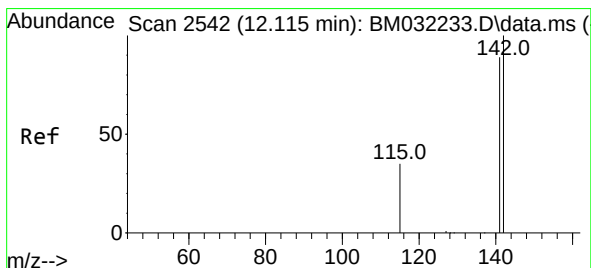
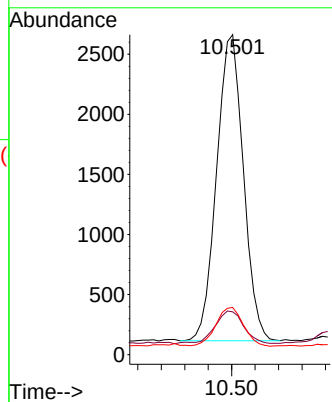
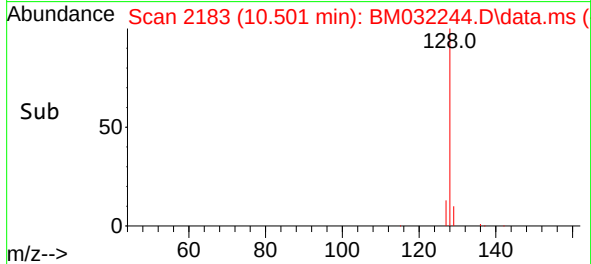




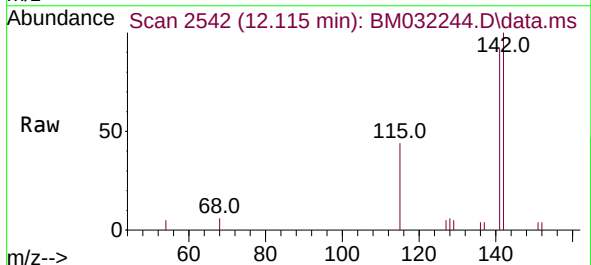
#5  
Naphthalene  
Concen: 0.056 ng/ul  
RT: 10.501 min Scan# 2183  
Delta R.T. -0.005 min  
Lab File: BM032244.D  
Acq: 28 Sep 2021 17:24



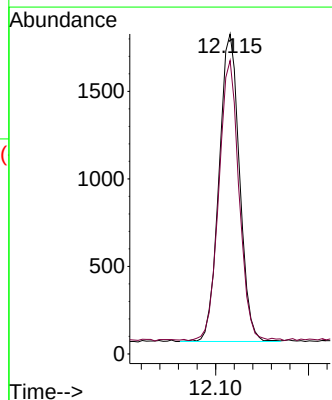
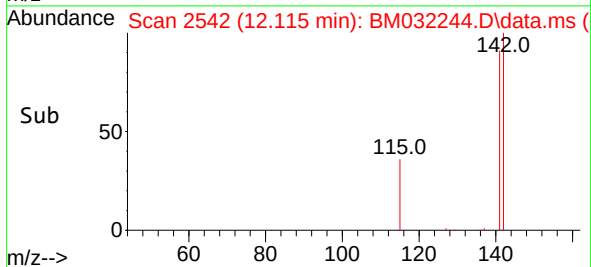
Tgt Ion:128 Resp: 4028  
Ion Ratio Lower Upper  
128 100  
129 13.4 9.0 13.4  
127 14.8 10.5 15.7



#7  
2-Methylnaphthalene  
Concen: 0.058 ng/ul  
RT: 12.115 min Scan# 2542  
Delta R.T. -0.005 min  
Lab File: BM032244.D  
Acq: 28 Sep 2021 17:24



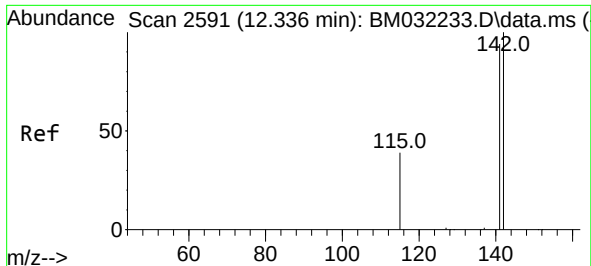
Tgt Ion:142 Resp: 2677  
Ion Ratio Lower Upper  
142 100  
141 89.8 71.2 106.8



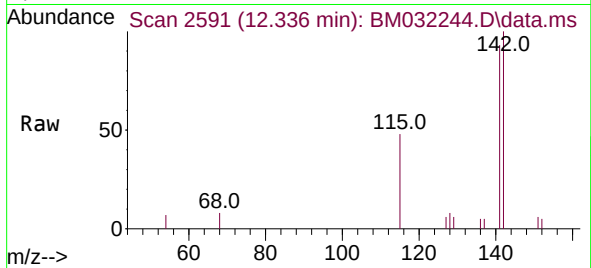
Instrument :  
BNA\_M  
ClientSampleId :  
C0AA6DL

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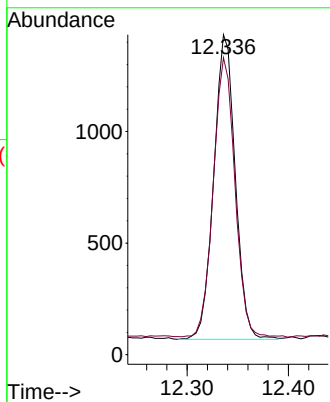
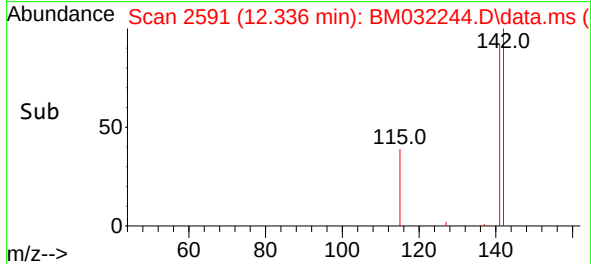
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#8  
1-Methylnaphthalene  
Concen: 0.044 ng/ul  
RT: 12.336 min Scan# 2591  
Delta R.T. -0.005 min  
Lab File: BM032244.D  
Acq: 28 Sep 2021 17:24



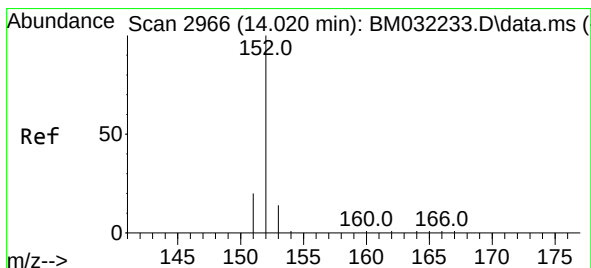
Tgt Ion:142 Resp: 2013  
Ion Ratio Lower Upper  
142 100  
141 92.4 73.8 110.6



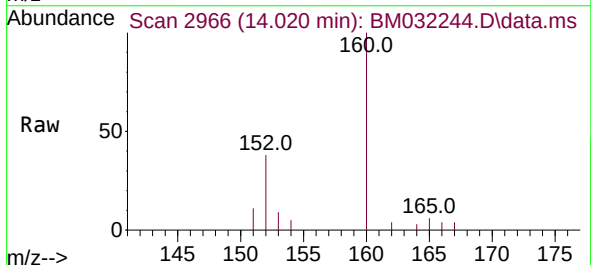
Instrument :  
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ClientSampleId :  
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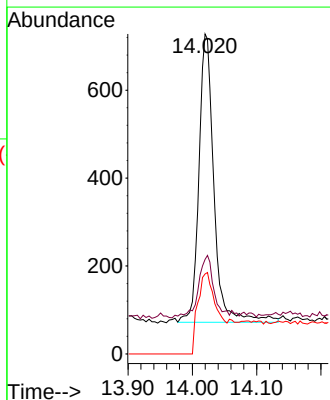
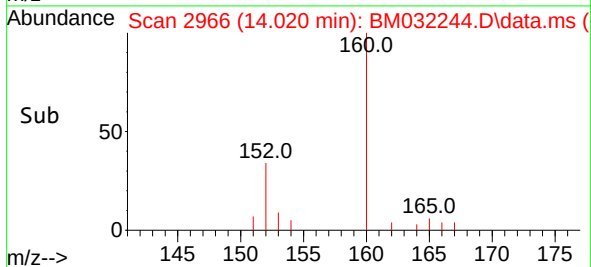
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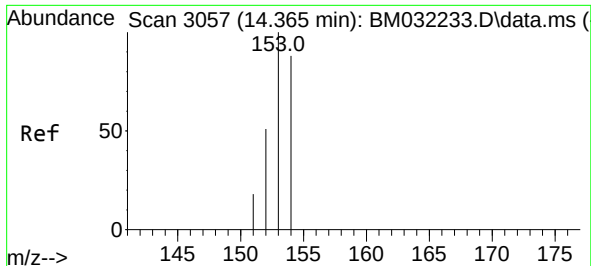


#10  
Acenaphthylene  
Concen: 0.024 ng/ul  
RT: 14.020 min Scan# 2966  
Delta R.T. -0.004 min  
Lab File: BM032244.D  
Acq: 28 Sep 2021 17:24

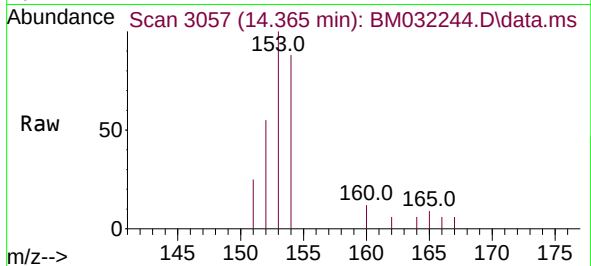


Tgt Ion:152 Resp: 1087  
Ion Ratio Lower Upper  
152 100  
151 29.5 16.0 24.0#  
153 25.0 10.7 16.1#

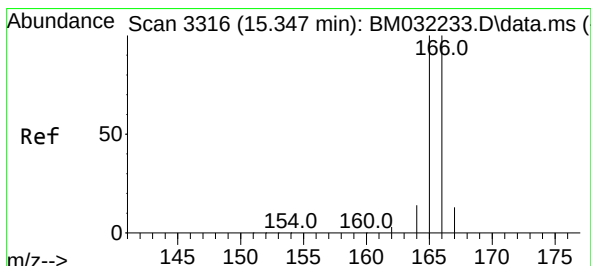
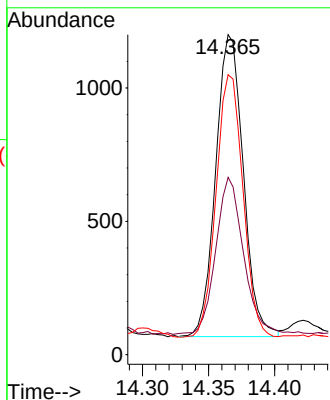
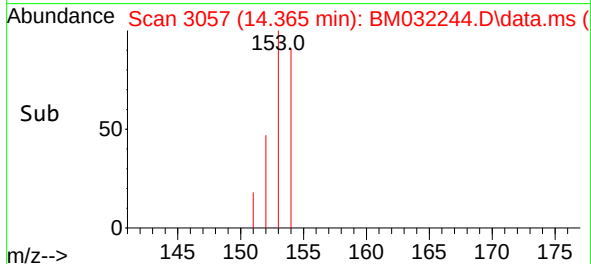




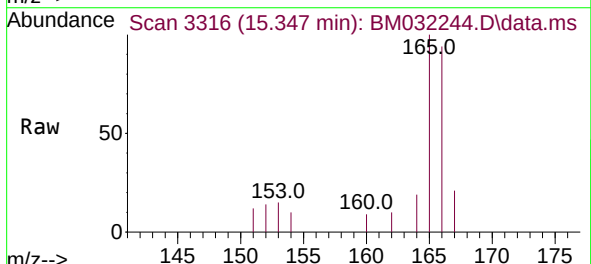
#11  
Acenaphthene  
Concen: 0.040 ng/u1  
RT: 14.365 min Scan# 3057  
Delta R.T. -0.004 min  
Lab File: BM032244.D  
Acq: 28 Sep 2021 17:24



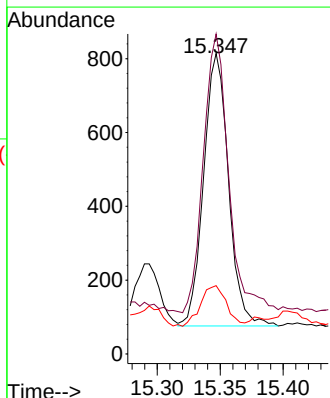
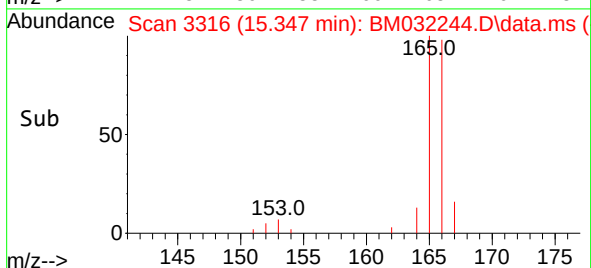
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 1646  |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 55.4  | 41.6  | 62.4  |
| 154       | 87.5  | 71.2  | 106.8 |



#12  
Fluorene  
Concen: 0.022 ng/u1  
RT: 15.347 min Scan# 3316  
Delta R.T. -0.004 min  
Lab File: BM032244.D  
Acq: 28 Sep 2021 17:24



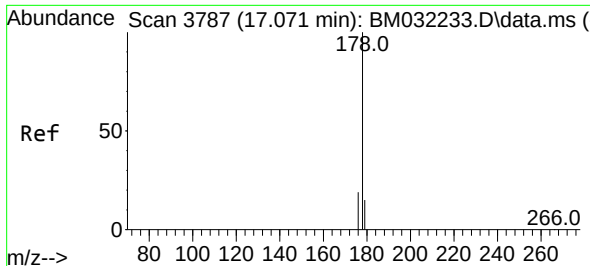
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 1015  |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 106.5 | 79.4  | 119.2 |
| 167       | 22.7  | 10.8  | 16.2# |



Instrument :  
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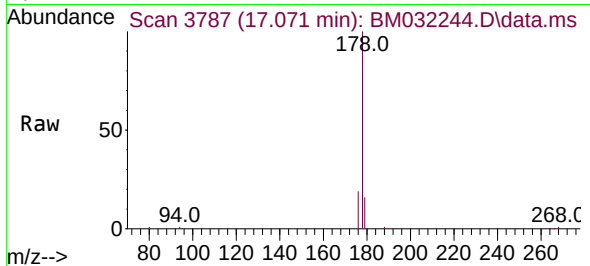
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#15  
Phenanthrene  
Concen: 0.345 ng/ul  
RT: 17.071 min Scan# 3787  
Delta R.T. -0.004 min  
Lab File: BM032244.D  
Acq: 28 Sep 2021 17:24

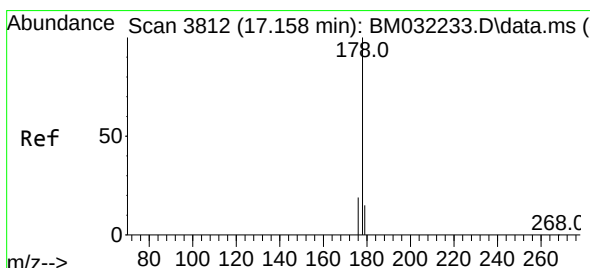
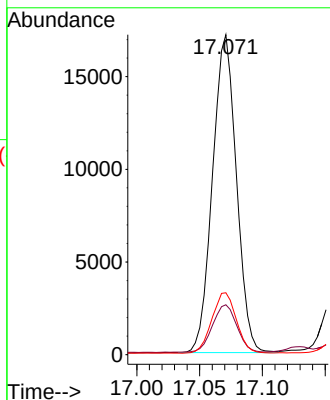
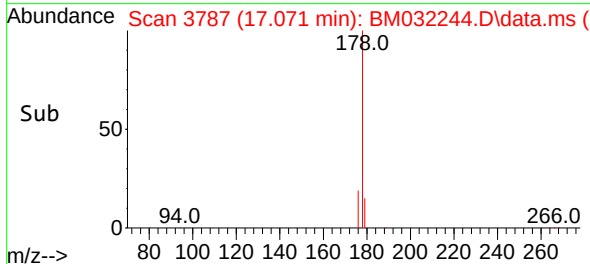
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ClientSampleID :  
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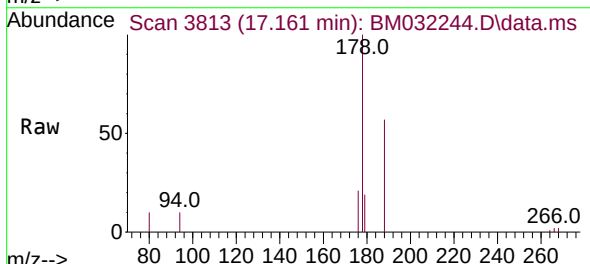
Tgt Ion:178 Resp: 22730  
Ion Ratio Lower Upper  
178 100  
179 15.6 12.6 18.8  
176 19.4 15.8 23.6

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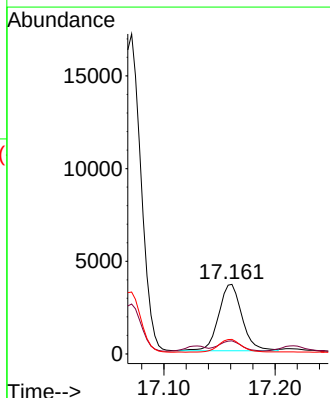
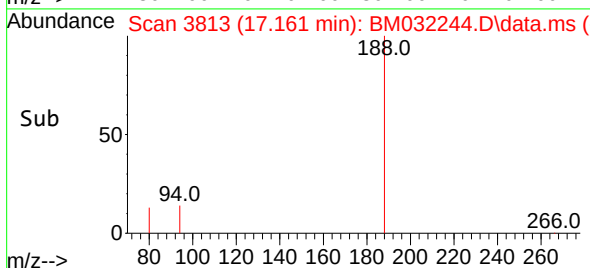
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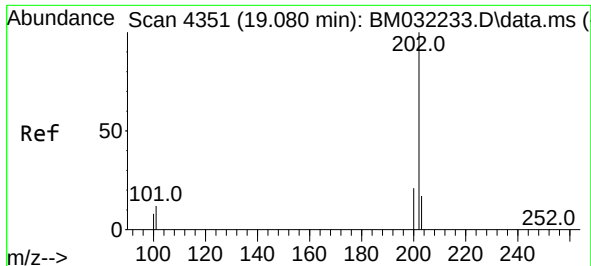


#16  
Anthracene  
Concen: 0.096 ng/ul  
RT: 17.161 min Scan# 3813  
Delta R.T. -0.004 min  
Lab File: BM032244.D  
Acq: 28 Sep 2021 17:24



Tgt Ion:178 Resp: 5212  
Ion Ratio Lower Upper  
178 100  
179 18.8 12.7 19.1  
176 20.9 15.3 22.9





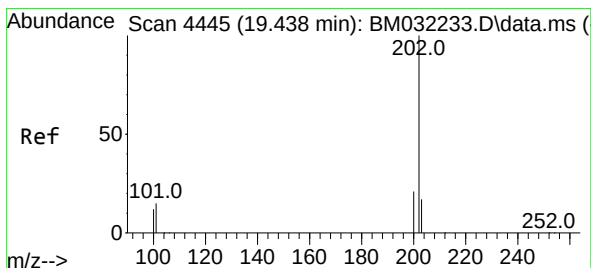
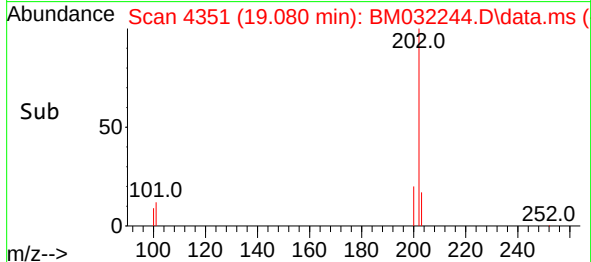
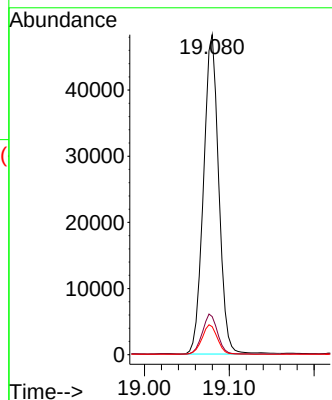
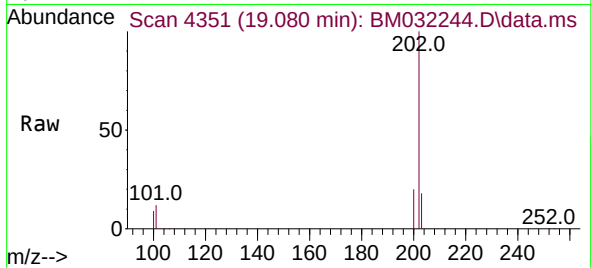
#19  
Fluoranthene  
Concen: 0.944 ng/ul  
RT: 19.080 min Scan# 4351  
Delta R.T. -0.004 min  
Lab File: BM032244.D  
Acq: 28 Sep 2021 17:24

Tgt Ion:202 Resp: 60228  
Ion Ratio Lower Upper  
202 100  
101 11.9 9.8 14.8  
100 8.8 7.2 10.8

Instrument :  
BNA\_M  
ClientSampleId :  
C0AA6DL

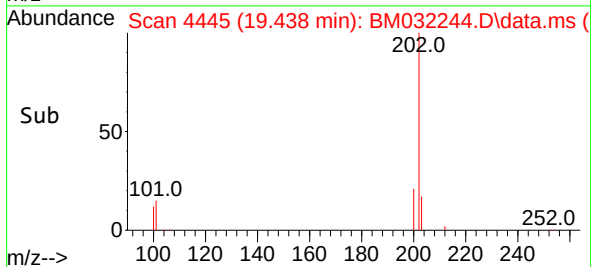
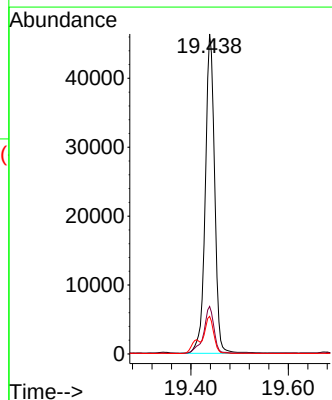
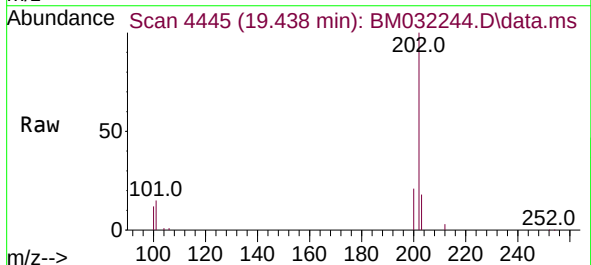
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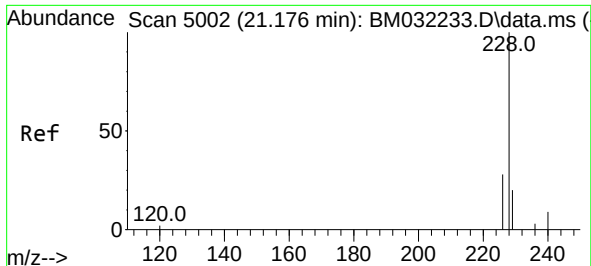
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#20  
Pyrene  
Concen: 0.963 ng/ul  
RT: 19.438 min Scan# 4445  
Delta R.T. -0.004 min  
Lab File: BM032244.D  
Acq: 28 Sep 2021 17:24

Tgt Ion:202 Resp: 61658  
Ion Ratio Lower Upper  
202 100  
101 14.9 12.1 18.1  
100 11.8 9.8 14.6





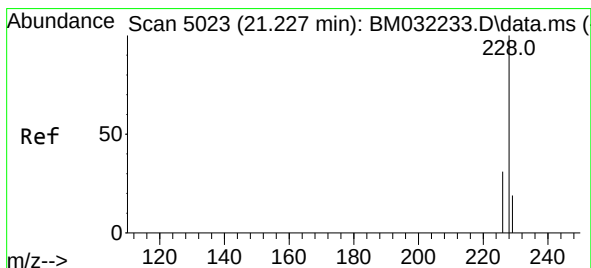
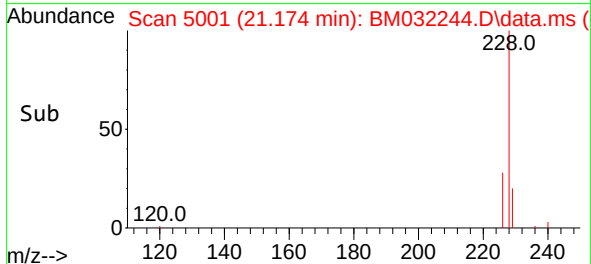
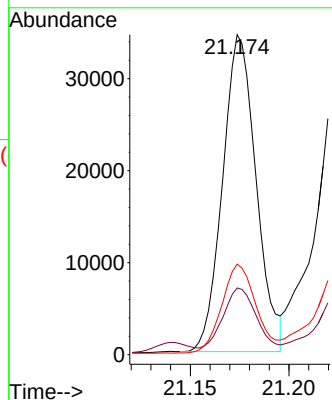
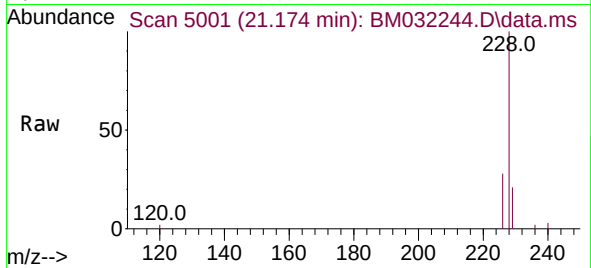
#21  
Benzo(a)anthracene  
Concen: 0.753 ng/ul  
RT: 21.174 min Scan# 5001  
Delta R.T. -0.005 min  
Lab File: BM032244.D  
Acq: 28 Sep 2021 17:24

Tgt Ion:228 Resp: 40716  
Ion Ratio Lower Upper  
228 100  
229 20.8 16.0 24.0  
226 28.3 22.3 33.5

Instrument :  
BNA\_M  
ClientSampleId :  
C0AA6DL

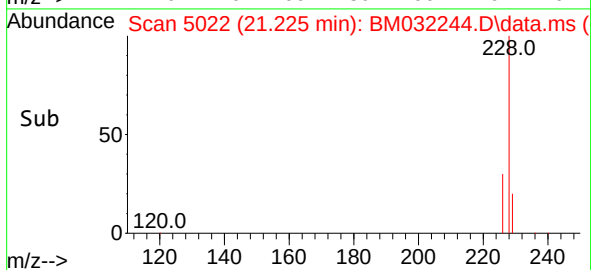
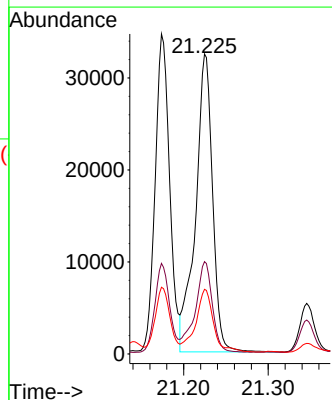
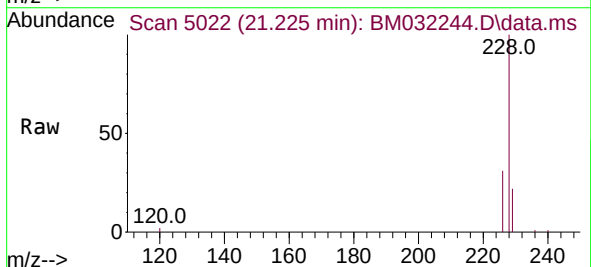
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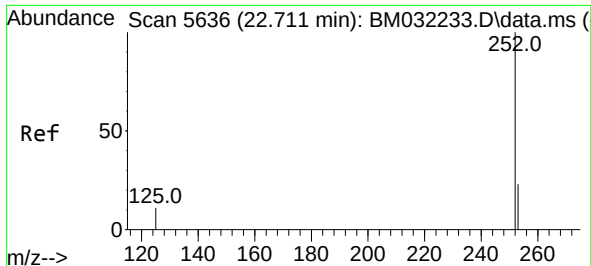


#22  
Chrysene  
Concen: 0.717 ng/ul  
RT: 21.225 min Scan# 5022  
Delta R.T. -0.005 min  
Lab File: BM032244.D  
Acq: 28 Sep 2021 17:24

Tgt Ion:228 Resp: 45340  
Ion Ratio Lower Upper  
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226 30.8 24.6 37.0  
229 21.5 15.6 23.4







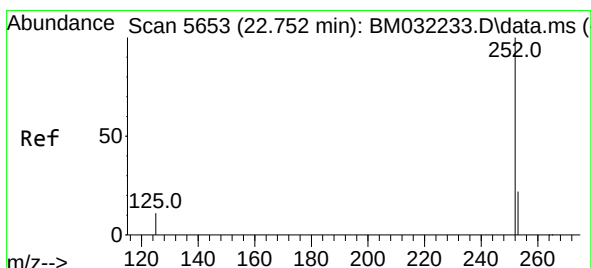
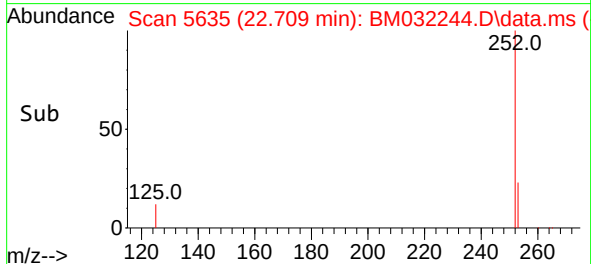
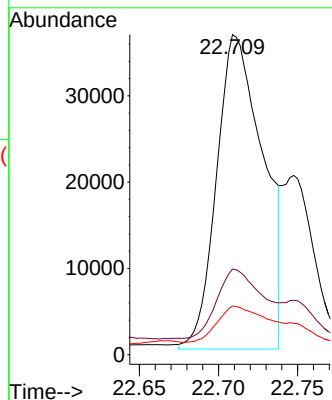
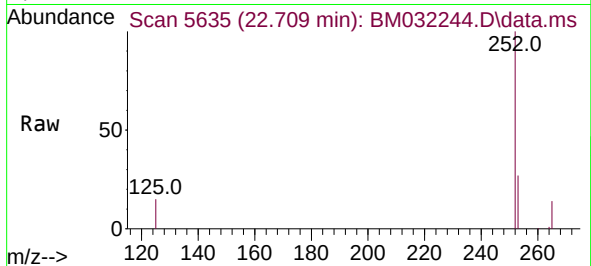
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Benzo(b)fluoranthene  
Concen: 1.050 ng/ul m  
RT: 22.709 min Scan# 5635  
Delta R.T. -0.005 min  
Lab File: BM032244.D  
Acq: 28 Sep 2021 17:24

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:252 | Resp: | 74400    |
| Ion Ratio   | Lower | Upper    |
| 252         | 100   |          |
| 253         | 26.7  | 0.0 58.0 |
| 125         | 15.2  | 0.0 31.4 |

Instrument :  
BNA\_M  
ClientSampled :  
C0AA6DL

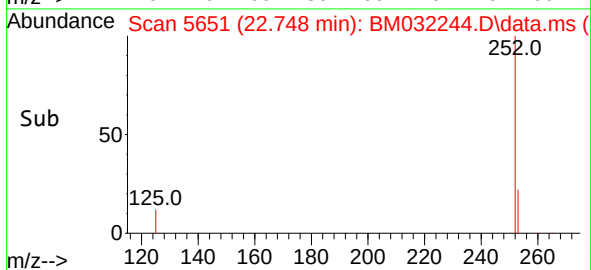
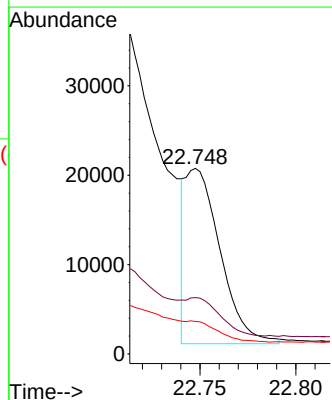
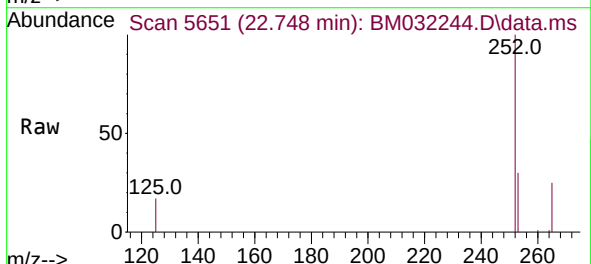
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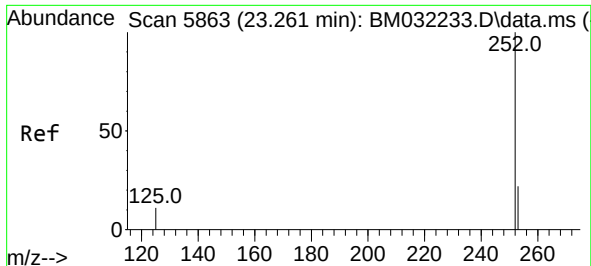
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#25  
Benzo(k)fluoranthene  
Concen: 0.361 ng/ul m  
RT: 22.748 min Scan# 5651  
Delta R.T. -0.007 min  
Lab File: BM032244.D  
Acq: 28 Sep 2021 17:24

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 24705     |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 30.4  | 22.9 34.3 |
| 125         | 17.5  | 12.9 19.3 |





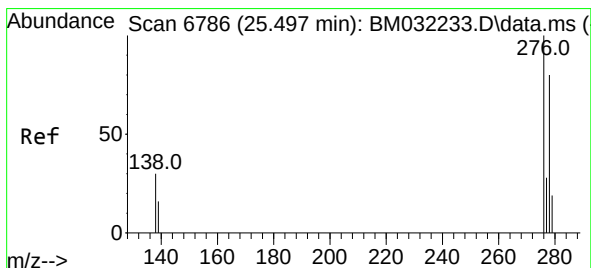
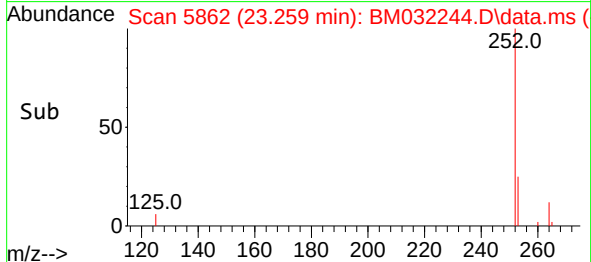
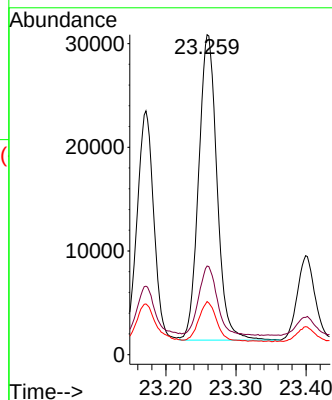
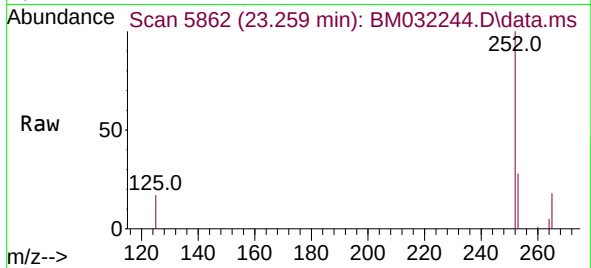
#26  
Benzo(a)pyrene  
Concen: 1.003 ng/ul  
RT: 23.259 min Scan# 5862  
Delta R.T. -0.005 min  
Lab File: BM032244.D  
Acq: 28 Sep 2021 17:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 53419 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 27.7  | 25.8  | 38.8  |
| 125       | 16.6  | 15.4  | 23.2  |

Instrument :  
BNA\_M  
ClientSampleId :  
C0AA6DL

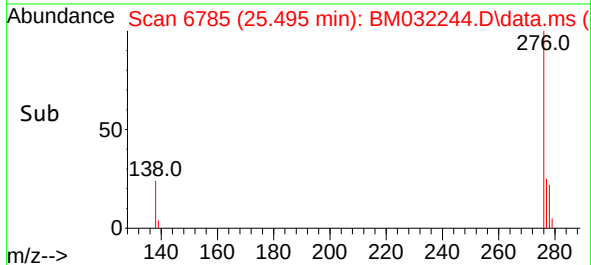
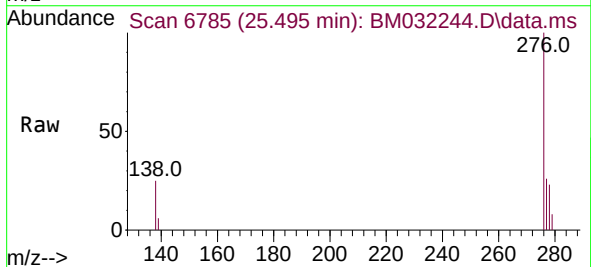
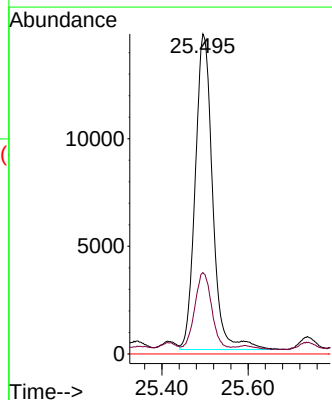
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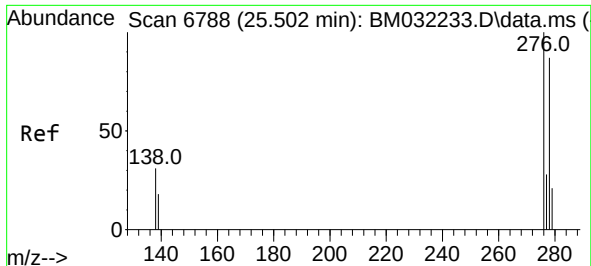
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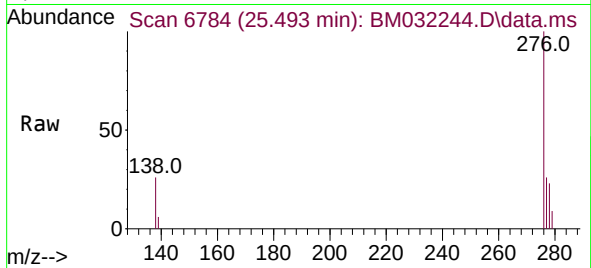
#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.601 ng/ul  
RT: 25.495 min Scan# 6785  
Delta R.T. -0.010 min  
Lab File: BM032244.D  
Acq: 28 Sep 2021 17:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 40972 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 23.5  | 24.3  | 36.5# |
| 227       | 0.0   | 0.0   | 0.0   |

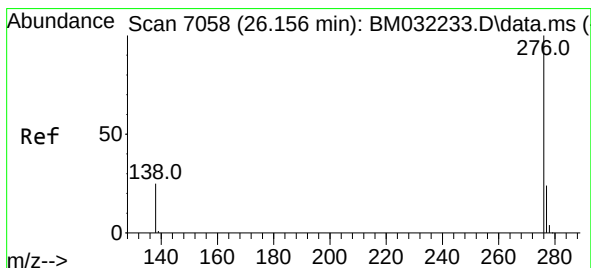
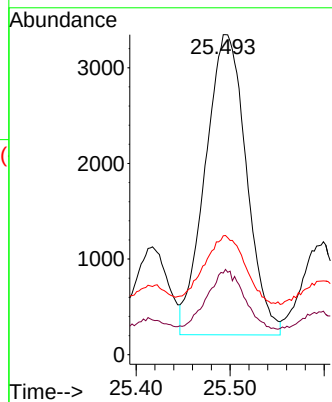
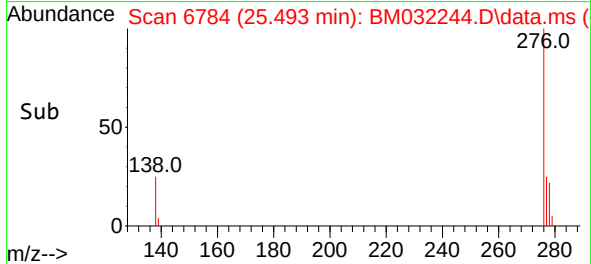




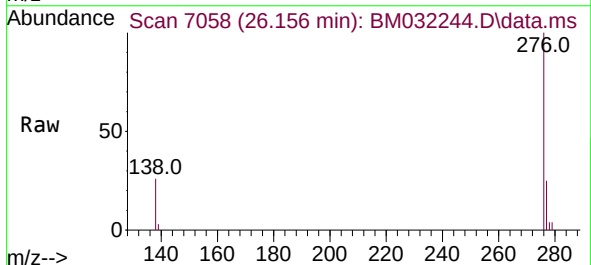
#28  
Dibenzo(a,h)anthracene  
Concen: 0.172 ng/ul  
RT: 25.493 min Scan# 6784  
Delta R.T. -0.017 min  
Lab File: BM032244.D  
Acq: 28 Sep 2021 17:24



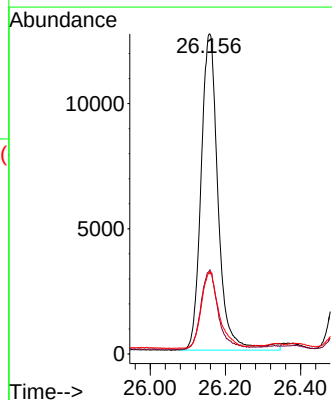
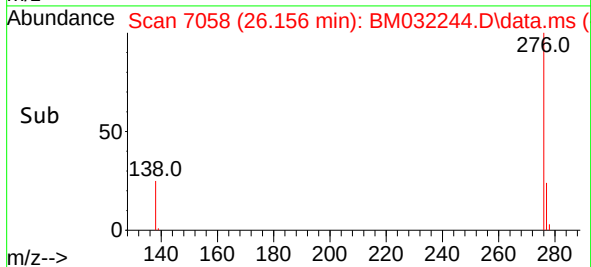
Tgt Ion: 278 Resp: 9546  
Ion Ratio Lower Upper  
278 100  
139 25.5 16.6 24.8#  
279 37.1 23.0 34.6#



#29  
Benzo(g,h,i)perylene  
Concen: 0.617 ng/ul  
RT: 26.156 min Scan# 7058  
Delta R.T. -0.007 min  
Lab File: BM032244.D  
Acq: 28 Sep 2021 17:24



Tgt Ion: 276 Resp: 39790  
Ion Ratio Lower Upper  
276 100  
138 25.9 21.0 31.4  
277 25.4 19.8 29.8



Instrument :  
BNA\_M  
ClientSampleID :  
C0AA6DL

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