

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101921\  
 Data File : BM032615.D  
 Acq On : 20 Oct 2021 12:24  
 Operator : CG/JU  
 Sample : M4181-03DL 2X  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0B09DL

Manual Integrations  
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 10/21/2021 11:16:57 AM

Quant Time: Oct 20 13:14:12 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 : Tue Oct 19 15:20:30 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|------|--------|----------|
| -----                       |        |      |          |      |        |          |
| Internal Standards          |        |      |          |      |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.556  | 152  | 5928     | 0.40 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.339 | 136  | 19047    | 0.40 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.213 | 164  | 9490     | 0.40 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.946 | 188  | 19032    | 0.40 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.121 | 240  | 14395    | 0.40 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.259 | 264  | 13684    | 0.40 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |      |        |          |
| 3) 1,4-Dioxane-d8           | 2.923  | 96   | 13098    | 1.97 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.936 | 152  | 2588     | 0.10 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.973 | 212  | 4076     | 0.09 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |      |        |          |
|                             |        |      |          |      | Qvalue |          |
| 5) Naphthalene              | 10.389 | 128  | 3034     | 0.05 | ng/ul# | 93       |
| 7) 2-Methylnaphthalene      | 12.012 | 142  | 1817     | 0.05 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.233 | 142  | 1464     | 0.04 | ng/ul  | 100      |
| 10) Acenaphthylene          | 13.928 | 152  | 2454     | 0.06 | ng/ul  | 95       |
| 11) Acenaphthene            | 14.274 | 153  | 744      | 0.02 | ng/ul  | 95       |
| 12) Fluorene                | 15.260 | 166  | 2062     | 0.05 | ng/ul# | 97       |
| 15) Phenanthrene            | 16.988 | 178  | 60274    | 0.94 | ng/ul  | 99       |
| 16) Anthracene              | 17.078 | 178  | 12195    | 0.22 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.000 | 202  | 91776    | 1.29 | ng/ul  | 100      |
| 20) Pyrene                  | 19.362 | 202  | 42118    | 0.58 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.106 | 228  | 29174    | 0.52 | ng/ul  | 99       |
| 22) Chrysene                | 21.157 | 228  | 29676    | 0.48 | ng/ul  | 100      |
| 24) Benzo(b)fluoranthene    | 22.627 | 252  | 31788m   | 0.50 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.663 | 252  | 13945m   | 0.22 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.164 | 252  | 6226     | 0.12 | ng/ul# | 73       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.367 | 276  | 6543     | 0.10 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 25.367 | 278  | 3569     | 0.07 | ng/ul# | 71       |
| -----                       |        |      |          |      |        |          |

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

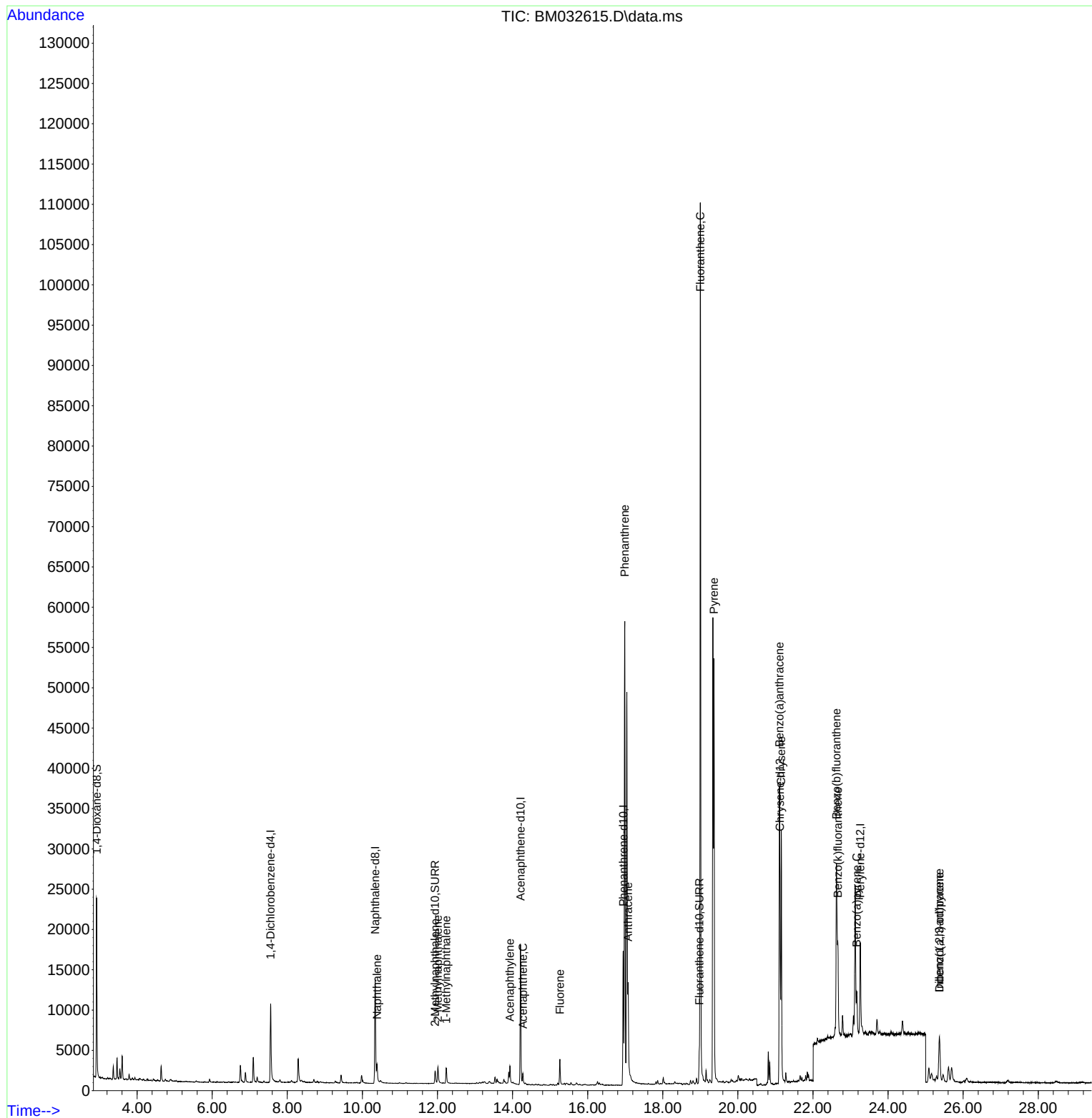
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Data File : BM032615.D  
Acq On : 20 Oct 2021 12:24  
Operator : CG/JU  
Sample : M4181-03DL 2X  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

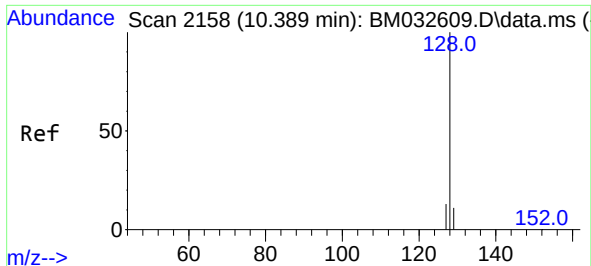
Instrument :  
BNA\_M  
ClientSampleId :  
C0B09DL

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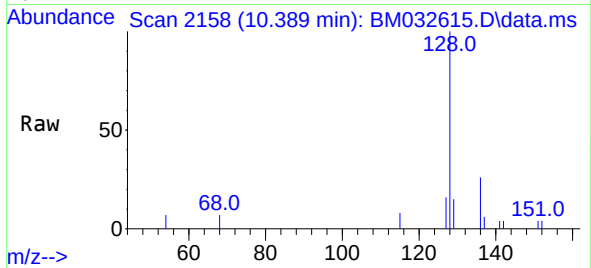
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Quant Time: Oct 20 13:14:12 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM101421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 19 15:20:30 2021  
Response via : Initial Calibration

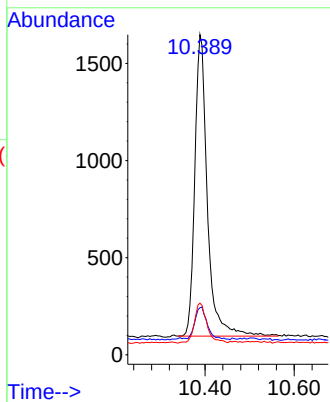
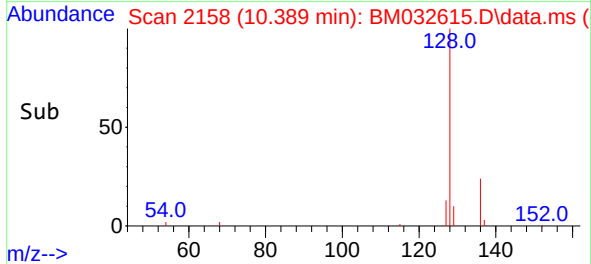




#5  
Naphthalene  
Concen: 0.05 ng/ul  
RT: 10.389 min Scan# 2158  
Delta R.T. -0.004 min  
Lab File: BM032615.D  
Acq: 20 Oct 2021 12:24



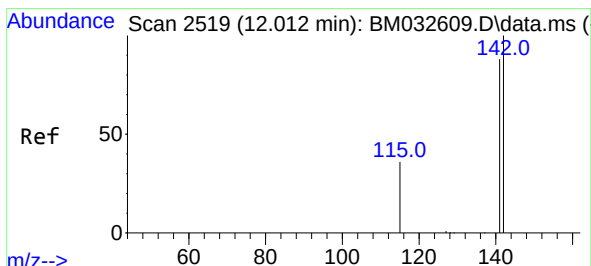
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Ion Ratio Lower Upper  
128 100  
129 14.7 9.1 13.7#  
127 16.1 11.1 16.7



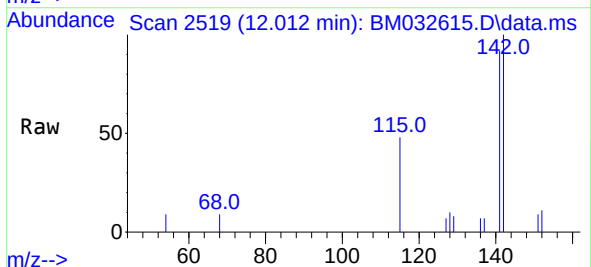
Instrument :  
BNA\_M  
ClientSampleId :  
C0B09DL

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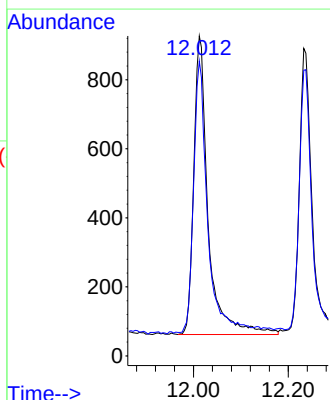
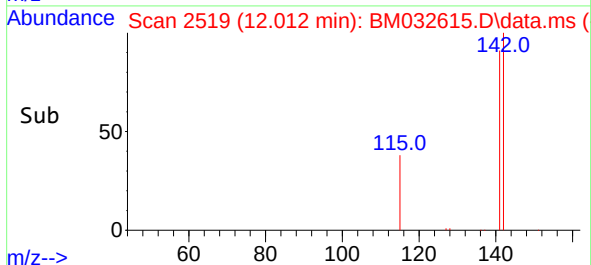
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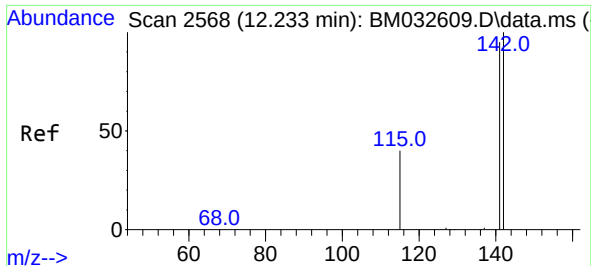


#7  
2-Methylnaphthalene  
Concen: 0.05 ng/ul  
RT: 12.012 min Scan# 2519  
Delta R.T. 0.000 min  
Lab File: BM032615.D  
Acq: 20 Oct 2021 12:24



Tgt Ion:142 Resp: 1817  
Ion Ratio Lower Upper  
142 100  
141 90.2 72.2 108.2





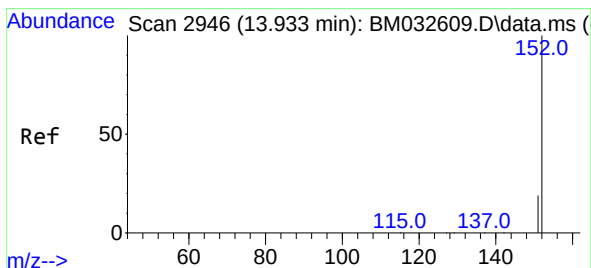
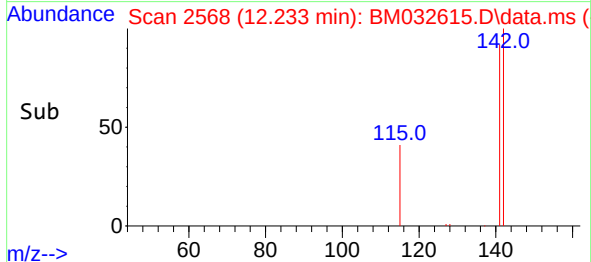
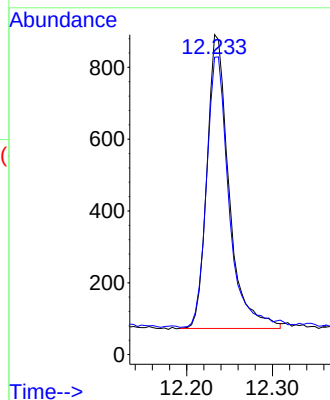
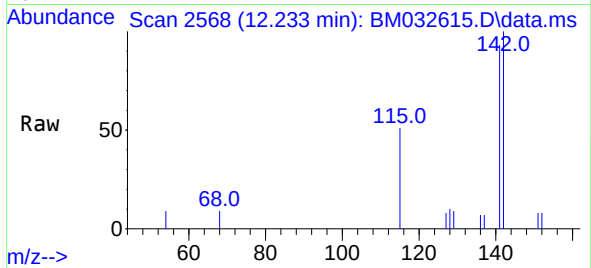
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1-Methylnaphthalene  
Concen: 0.04 ng/ul  
RT: 12.233 min Scan# 2568  
Delta R.T. -0.004 min  
Lab File: BM032615.D  
Acq: 20 Oct 2021 12:24

Tgt Ion:142 Resp: 1464  
Ion Ratio Lower Upper  
142 100  
141 93.9 74.9 112.3

Instrument :  
BNA\_M  
ClientSampled :  
C0B09DL

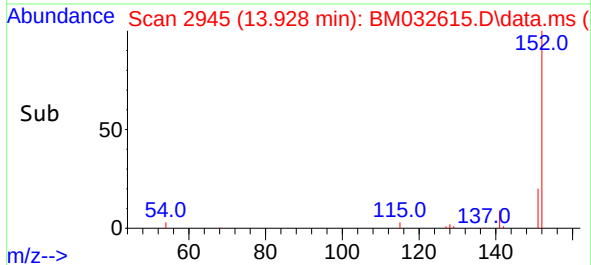
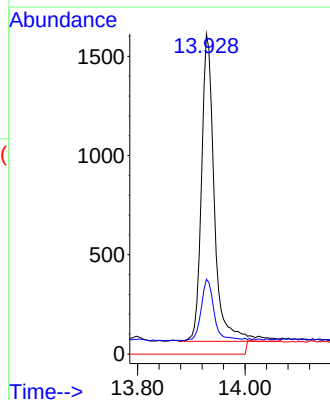
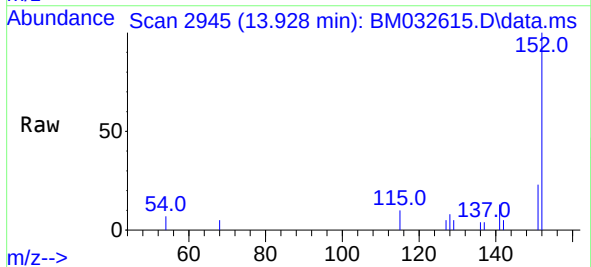
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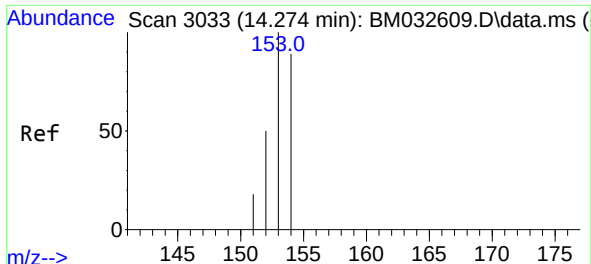
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#10  
Acenaphthylene  
Concen: 0.06 ng/ul  
RT: 13.928 min Scan# 2945  
Delta R.T. -0.004 min  
Lab File: BM032615.D  
Acq: 20 Oct 2021 12:24

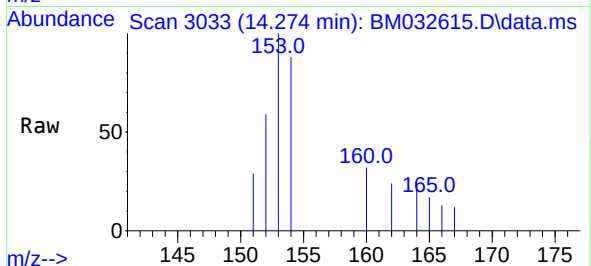
Tgt Ion:152 Resp: 2454  
Ion Ratio Lower Upper  
152 100  
151 23.4 16.7 25.1  
153 0.0 0.0 0.0





#11  
Acenaphthene  
Concen: 0.02 ng/ul  
RT: 14.274 min Scan# 3033  
Delta R.T. -0.004 min  
Lab File: BM032615.D  
Acq: 20 Oct 2021 12:24

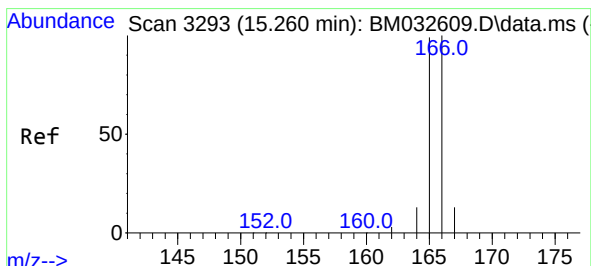
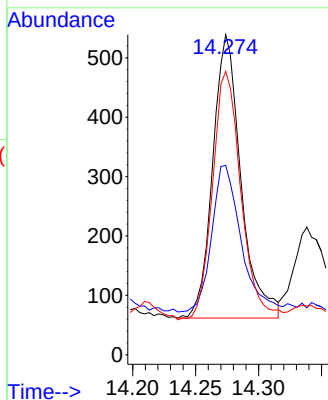
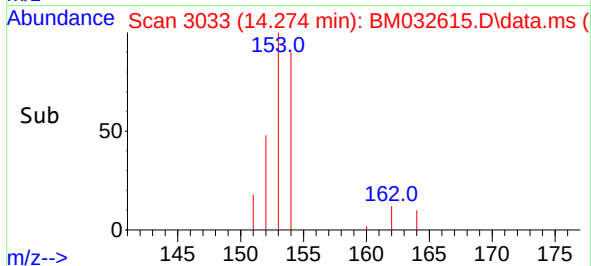
Instrument :  
BNA\_M  
ClientSampleId :  
C0B09DL



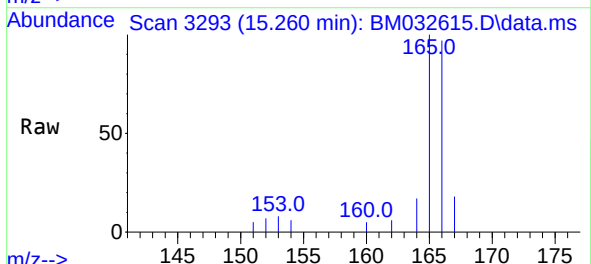
Tgt Ion:153 Resp: 744  
Ion Ratio Lower Upper  
153 100  
152 59.2 40.4 60.6  
154 88.5 70.8 106.2

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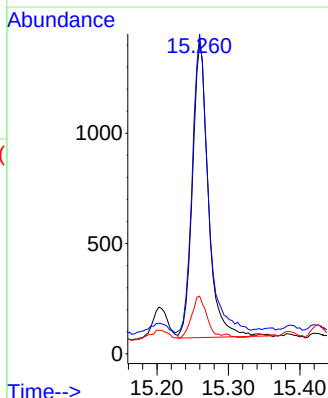
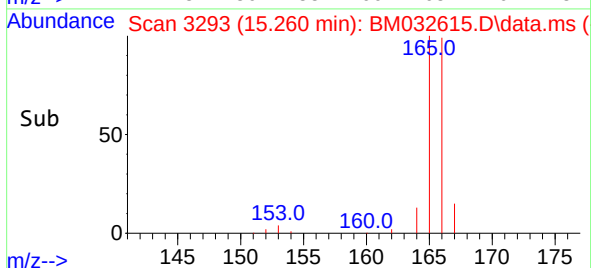
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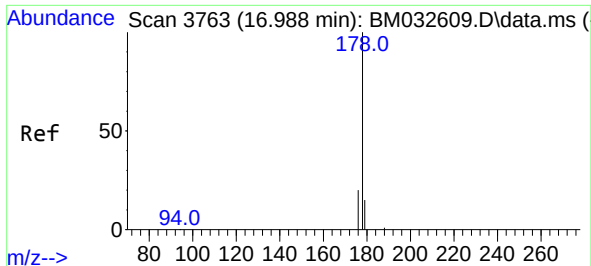


#12  
Fluorene  
Concen: 0.05 ng/ul  
RT: 15.260 min Scan# 3293  
Delta R.T. -0.004 min  
Lab File: BM032615.D  
Acq: 20 Oct 2021 12:24

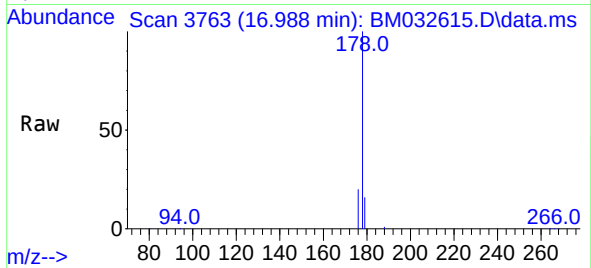


Tgt Ion:166 Resp: 2062  
Ion Ratio Lower Upper  
166 100  
165 102.9 80.7 121.1  
167 18.5 11.2 16.8#

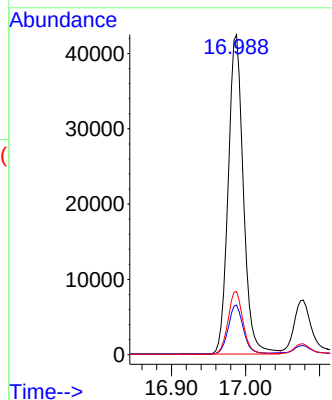




#15  
Phenanthrene  
Concen: 0.94 ng/ul  
RT: 16.988 min Scan# 3763  
Delta R.T. 0.000 min  
Lab File: BM032615.D  
Acq: 20 Oct 2021 12:24



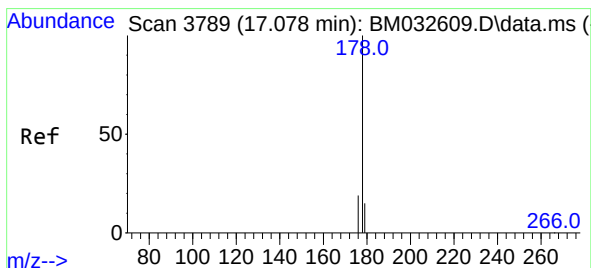
Tgt Ion:178 Resp: 60274  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.9 19.3  
176 19.7 16.1 24.1



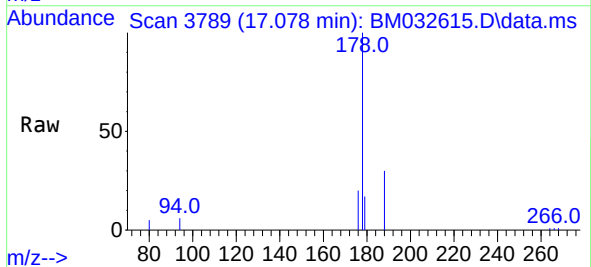
Instrument :  
BNA\_M  
ClientSampleId :  
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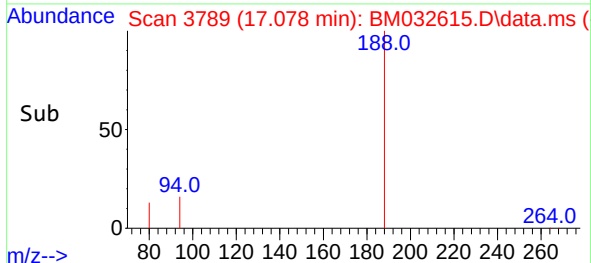
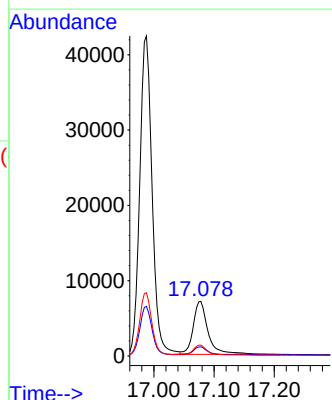
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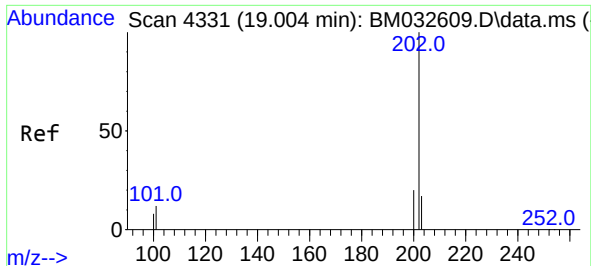


#16  
Anthracene  
Concen: 0.22 ng/ul  
RT: 17.078 min Scan# 3789  
Delta R.T. 0.000 min  
Lab File: BM032615.D  
Acq: 20 Oct 2021 12:24



Tgt Ion:178 Resp: 12195  
Ion Ratio Lower Upper  
178 100  
179 16.7 12.9 19.3  
176 19.9 15.8 23.6





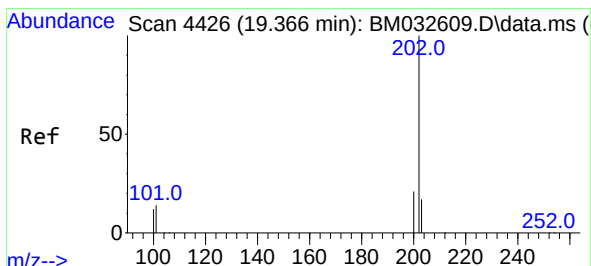
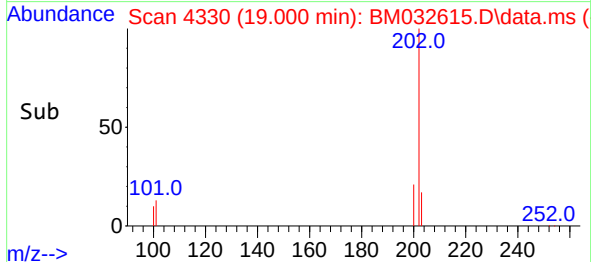
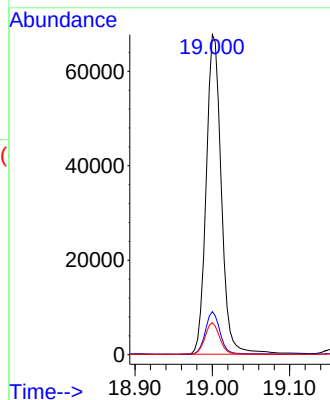
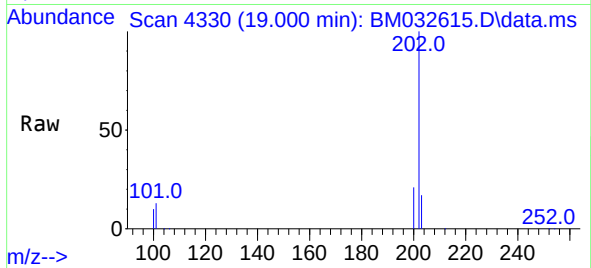
#19  
Fluoranthene  
Concen: 1.29 ng/ul  
RT: 19.000 min Scan# 4330  
Delta R.T. -0.004 min  
Lab File: BM032615.D  
Acq: 20 Oct 2021 12:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 91776 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 13.4  | 10.6  | 16.0  |
| 100       | 10.0  | 7.8   | 11.8  |

Instrument :  
BNA\_M  
ClientSampleId :  
C0B09DL

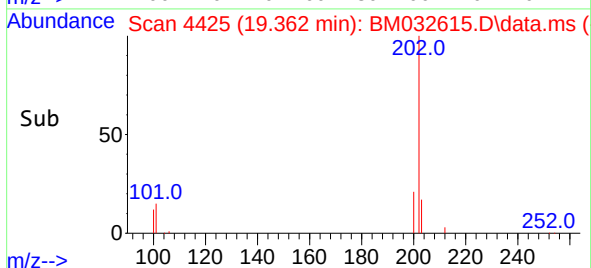
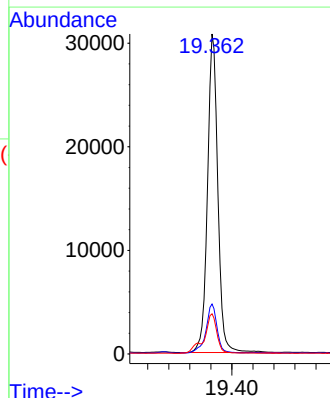
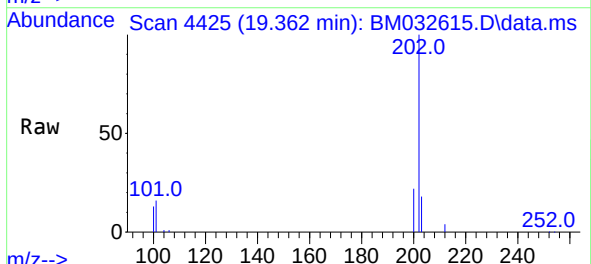
Manual Integrations  
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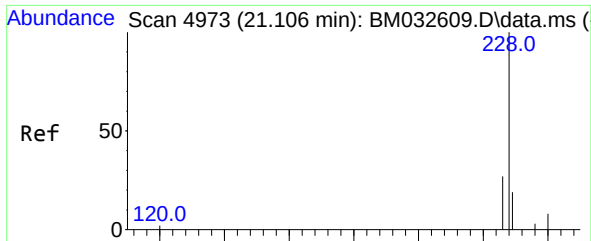
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#20  
Pyrene  
Concen: 0.58 ng/ul  
RT: 19.362 min Scan# 4425  
Delta R.T. -0.004 min  
Lab File: BM032615.D  
Acq: 20 Oct 2021 12:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 42118 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 15.6  | 12.3  | 18.5  |
| 100       | 12.5  | 10.1  | 15.1  |





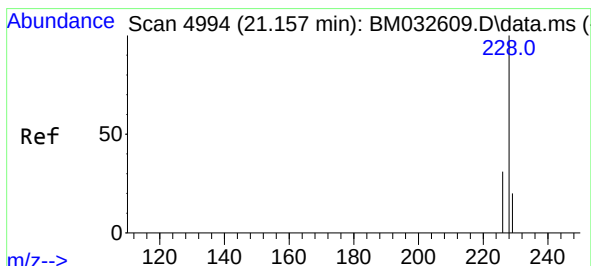
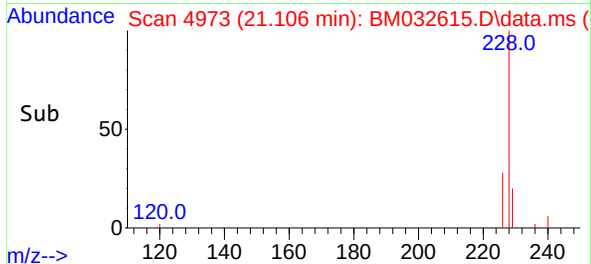
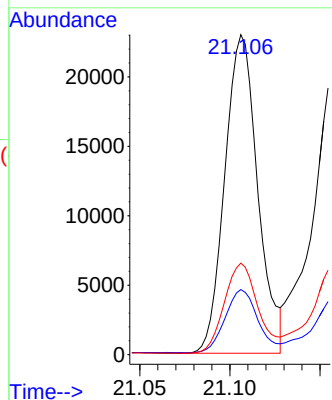
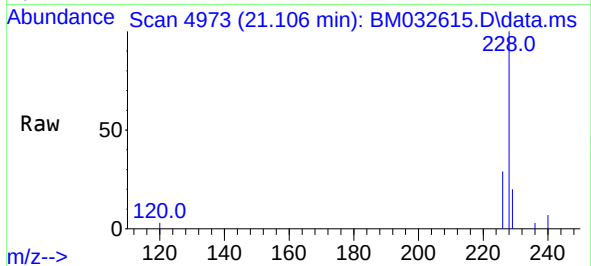
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Benzo(a)anthracene  
Concen: 0.52 ng/ul  
RT: 21.106 min Scan# 4973  
Delta R.T. 0.000 min  
Lab File: BM032615.D  
Acq: 20 Oct 2021 12:24

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 29174     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 229         | 20.4  | 15.9 23.9 |
| 226         | 28.6  | 22.4 33.6 |

Instrument :  
BNA\_M  
ClientSampled :  
C0B09DL

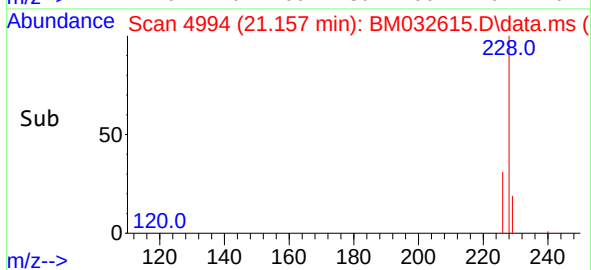
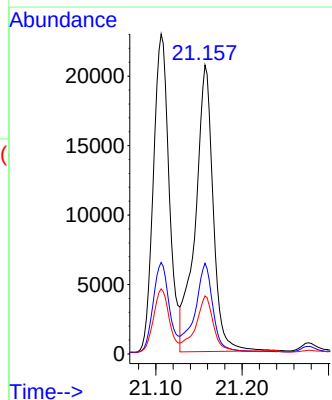
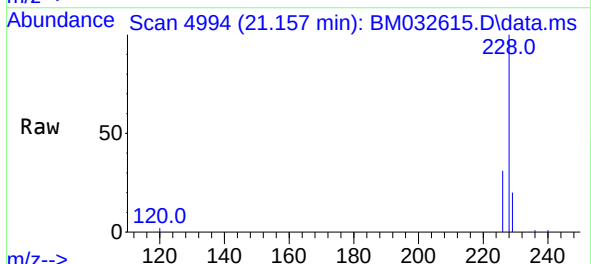
Manual Integrations  
APPROVED

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10/21/2021 11:16:57 AM

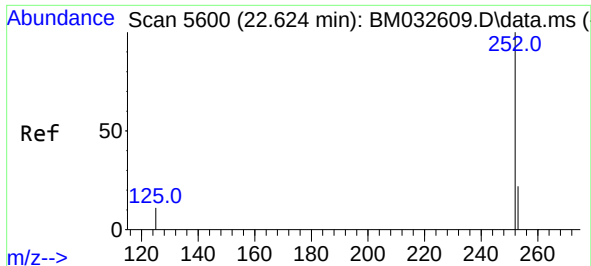


#22  
Chrysene  
Concen: 0.48 ng/ul  
RT: 21.157 min Scan# 4994  
Delta R.T. -0.002 min  
Lab File: BM032615.D  
Acq: 20 Oct 2021 12:24

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 29676     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 31.4  | 25.1 37.7 |
| 229         | 20.1  | 15.7 23.5 |







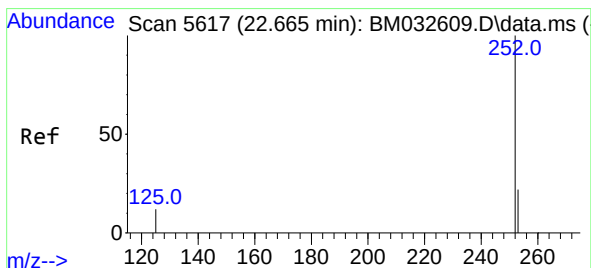
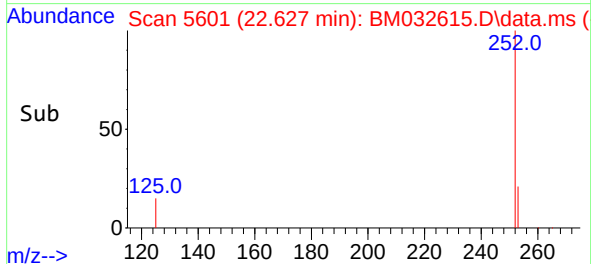
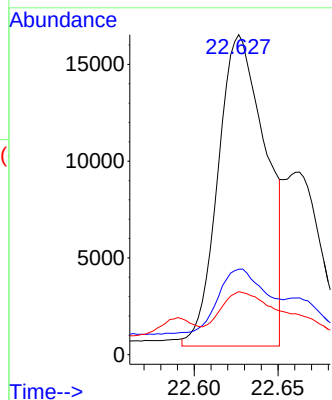
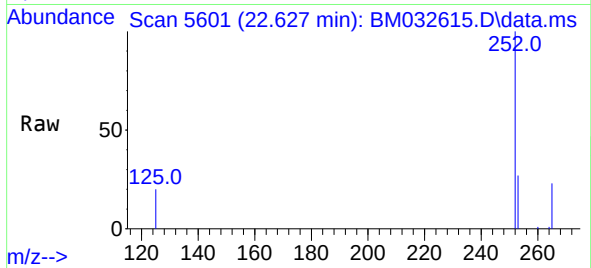
#24  
Benzo(b)fluoranthene  
Concen: 0.50 ng/ul m  
RT: 22.627 min Scan# 5601  
Delta R.T. 0.000 min  
Lab File: BM032615.D  
Acq: 20 Oct 2021 12:24

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:252 | Resp: | 31788    |
| Ion Ratio   | Lower | Upper    |
| 252         | 100   |          |
| 253         | 26.7  | 0.0 53.8 |
| 125         | 19.7  | 0.0 35.6 |

Instrument :  
BNA\_M  
ClientSampleId :  
C0B09DL

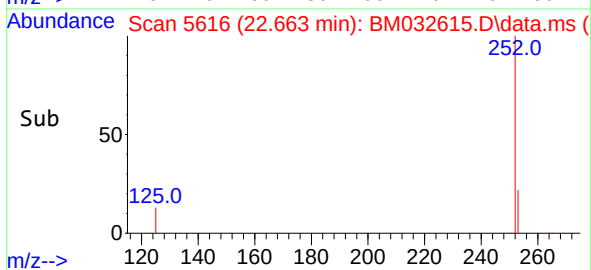
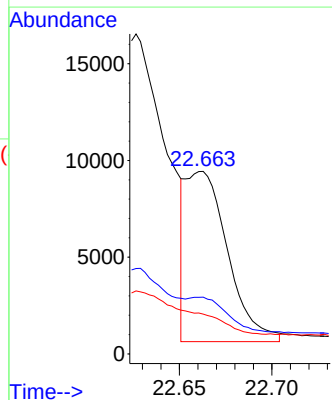
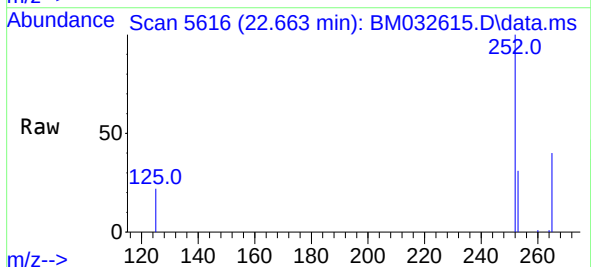
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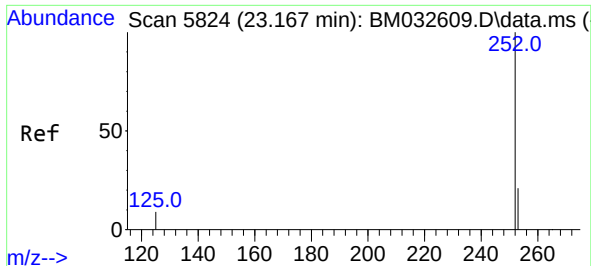
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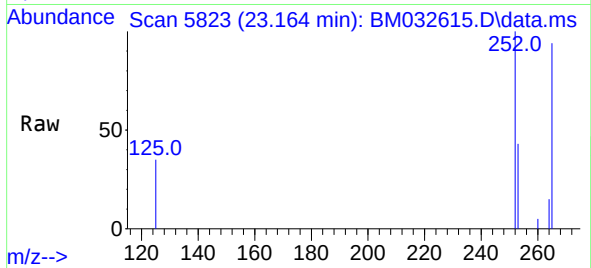
#25  
Benzo(k)fluoranthene  
Concen: 0.22 ng/ul m  
RT: 22.663 min Scan# 5616  
Delta R.T. -0.005 min  
Lab File: BM032615.D  
Acq: 20 Oct 2021 12:24

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:252 | Resp: | 13945      |
| Ion Ratio   | Lower | Upper      |
| 252         | 100   |            |
| 253         | 31.1  | 21.8 32.6  |
| 125         | 21.8  | 14.4 21.6# |

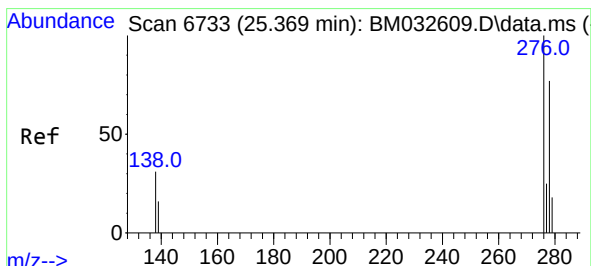
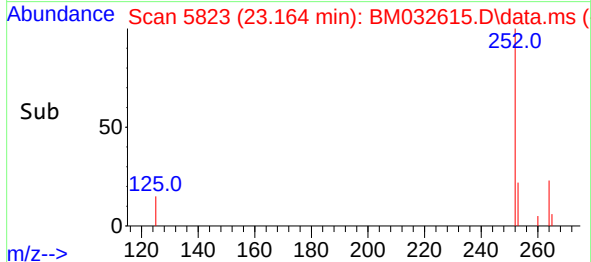
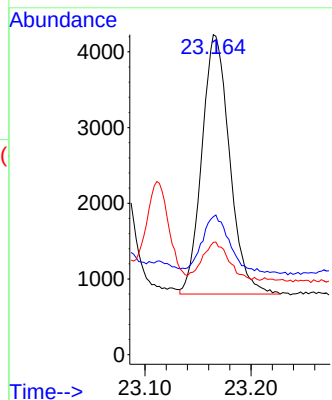




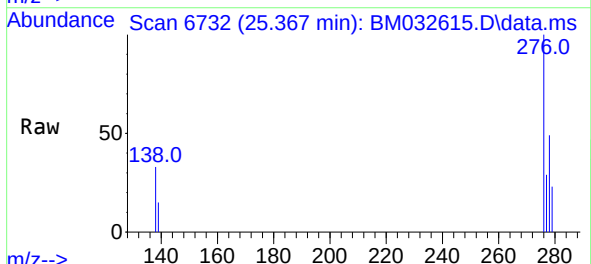
#26  
Benzo(a)pyrene  
Concen: 0.12 ng/u1  
RT: 23.164 min Scan# 5823  
Delta R.T. -0.005 min  
Lab File: BM032615.D  
Acq: 20 Oct 2021 12:24



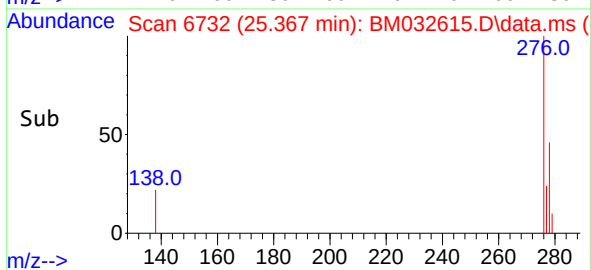
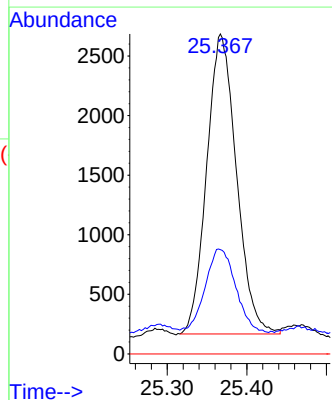
Tgt Ion:252 Resp: 6226  
Ion Ratio Lower Upper  
252 100  
253 43.1 23.6 35.4#  
125 35.1 17.1 25.7#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.10 ng/u1  
RT: 25.367 min Scan# 6732  
Delta R.T. -0.012 min  
Lab File: BM032615.D  
Acq: 20 Oct 2021 12:24



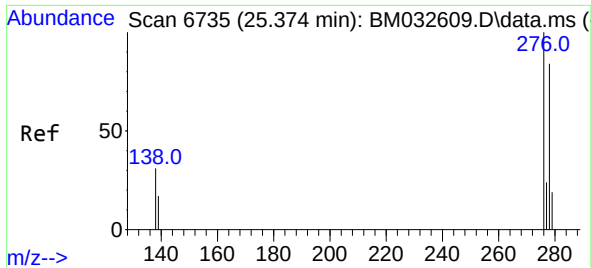
Tgt Ion:276 Resp: 6543  
Ion Ratio Lower Upper  
276 100  
138 30.5 24.9 37.3  
227 0.0 0.0 0.0



Instrument :  
BNA\_M  
ClientSampleID :  
C0B09DL

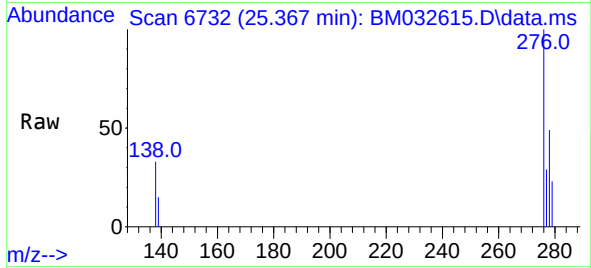
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#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.07 ng/ul  
 RT: 25.367 min Scan# 6732  
 Delta R.T. -0.017 min  
 Lab File: BM032615.D  
 Acq: 20 Oct 2021 12:24

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0B09DL



Tgt Ion: 278 Resp: 3569  
 Ion Ratio Lower Upper  
 278 100  
 139 31.3 18.6 28.0#  
 279 48.2 22.0 33.0#

Manual Integrations  
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