

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM083021\  
 Data File : BM032018.D  
 Acq On : 01 Sep 2021 15:47  
 Operator : CG/JU  
 Sample : M3494-02DL2 100X  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 YAS54DL2

Manual Integrations  
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Quant Time: Sep 01 16:20:54 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM082821.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 01 11:29:00 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.498  | 152  | 71827    | 20.000  | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.257 | 136  | 301492   | 20.000  | ng/ul  | # 0.00   |
| 38) Acenaphthene-d10          | 14.139 | 164  | 224805   | 20.000  | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 16.898 | 188  | 514335   | 20.000  | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.109 | 240  | 561117   | 20.000  | ng/ul  | # 0.00   |
| 88) Perylene-d12              | 23.245 | 264  | 565130   | 20.000  | ng/ul  | 0.00     |
|                               |        |      |          |         |        |          |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 0.000  | 96   | 0d       | 0.000   | ng/uL  |          |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000   | ng/ul  |          |
| 7) Phenol-d5                  | 0.000  | 99   | 0d       | 0.000   | ng/ul  |          |
| 9) Bis-(2-Chloroethyl)eth...  | 6.875  | 67   | 928      | 0.269   | ng/ul  | 0.02     |
| 11) 2-Chlorophenol-d4         | 7.046  | 132  | 1054     | 0.230   | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 0.000  | 113  | 0d       | 0.000   | ng/ul  |          |
| 21) Nitrobenzene-d5           | 8.663  | 128  | 739      | 0.337   | ng/ul  | 0.01     |
| 24) 2-Nitrophenol-d4          | 0.000  | 143  | 0d       | 0.000   | ng/ul  |          |
| 28) 2,4-Dichlorophenol-d3     | 9.934  | 165  | 1023m    | 0.197   | ng/ul  | 0.04     |
| 31) 4-Chloroaniline-d4        | 10.439 | 131  | 4049m    | 0.552   | ng/ul  | 0.03     |
| 46) Dimethylphthalate-d6      | 13.580 | 166  | 6443     | 0.379   | ng/ul  | 0.01     |
| 49) Acenaphthylene-d8         | 13.833 | 160  | 6909     | 0.343   | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 0.000  | 143  | 0        | 0.000   | ng/ul  |          |
| 60) Fluorene-d10              | 15.145 | 176  | 6194     | 0.414   | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 0.000  | 200  | 0        | 0.000   | ng/ul  |          |
| 73) Anthracene-d10            | 17.004 | 188  | 11928    | 0.489   | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.310 | 212  | 12527    | 0.477   | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.109 | 264  | 12121    | 0.408   | ng/ul  | 0.00     |
|                               |        |      |          |         |        |          |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 30) Naphthalene               | 10.304 | 128  | 1681772  | 111.426 | ng/ul  | 100      |
| 36) 2-Methylnaphthalene       | 11.928 | 142  | 114930   | 9.658   | ng/ul  | 99       |
| 37) 1-Methylnaphthalene       | 12.151 | 142  | 57420    | 4.737   | ng/ul# | 99       |
| 52) Acenaphthene              | 14.204 | 153  | 43966    | 3.266   | ng/ul  | 95       |
| 56) Dibenzofuran              | 14.557 | 168  | 25979    | 1.309   | ng/ul  | 99       |
| 61) Fluorene                  | 15.204 | 166  | 17499    | 1.042   | ng/ul  | 94       |
| 77) Carbazole                 | 17.321 | 167  | 47925    | 1.821   | ng/ul  | 97       |
| -----                         |        |      |          |         |        |          |

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

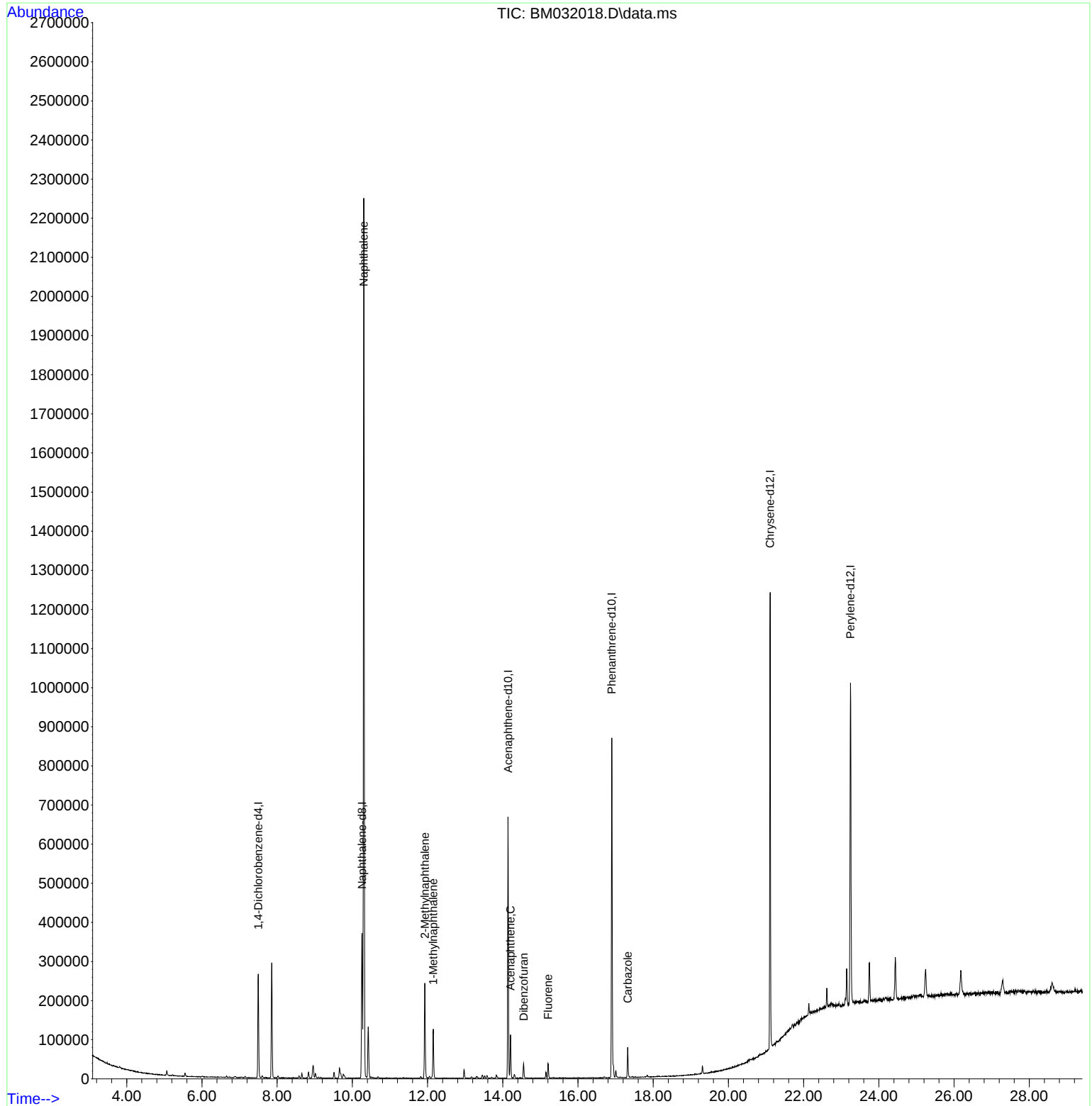
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM083021\  
Data File : BM032018.D  
Acq On : 01 Sep 2021 15:47  
Operator : CG/JU  
Sample : M3494-02DL2 100X  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

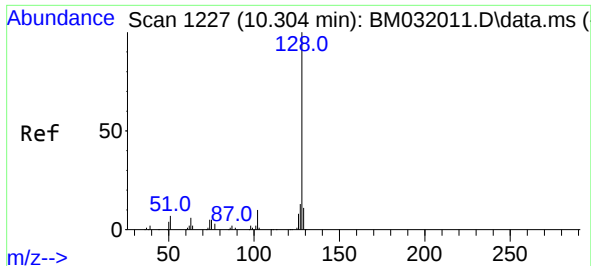
Instrument :  
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ClientSampleId :  
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Quant Time: Sep 01 16:20:54 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM082821.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 01 11:29:00 2021  
Response via : Initial Calibration





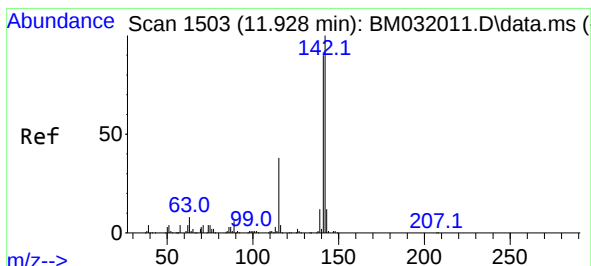
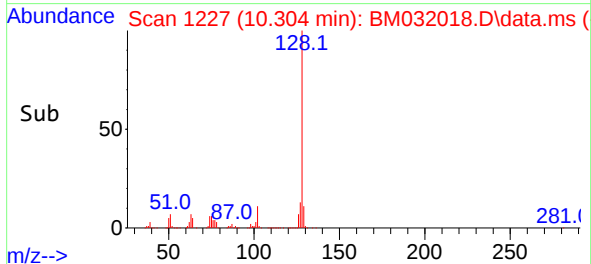
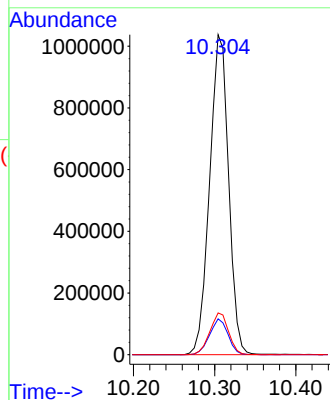
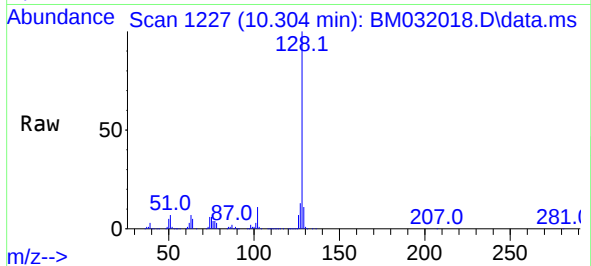
#30  
Naphthalene  
Concen: 111.426 ng/ul  
RT: 10.304 min Scan# 1227  
Delta R.T. -0.000 min  
Lab File: BM032018.D  
Acq: 01 Sep 2021 15:47

Tgt Ion:128 Resp: 1681772  
Ion Ratio Lower Upper  
128 100  
129 11.2 9.0 13.4  
127 13.1 10.6 15.8

Instrument :  
BNA\_M  
ClientSampleId :  
YAS54DL2

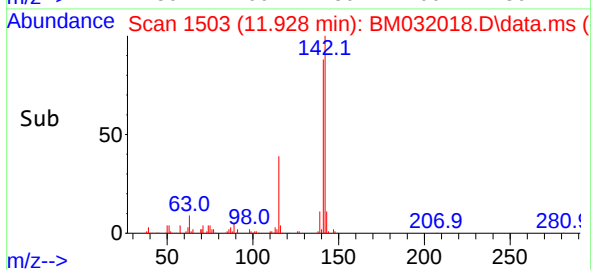
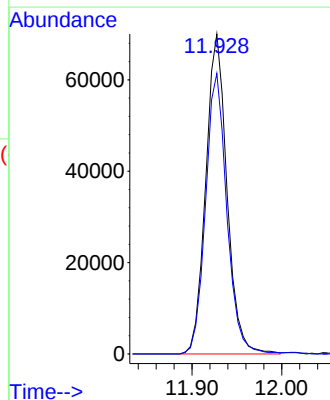
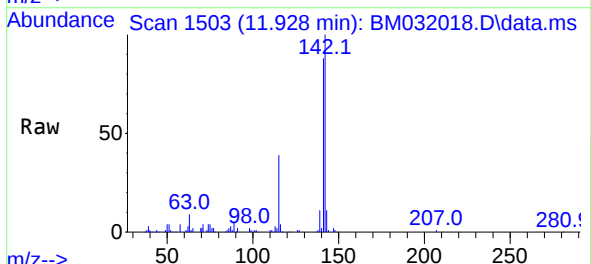
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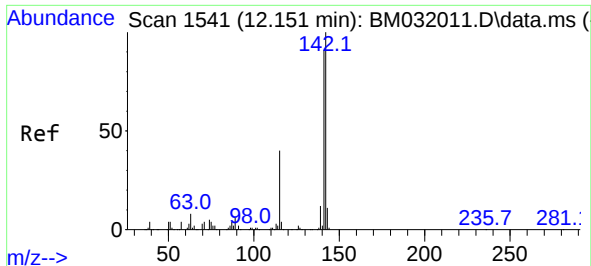
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#36  
2-Methylnaphthalene  
Concen: 9.658 ng/ul  
RT: 11.928 min Scan# 1503  
Delta R.T. -0.000 min  
Lab File: BM032018.D  
Acq: 01 Sep 2021 15:47

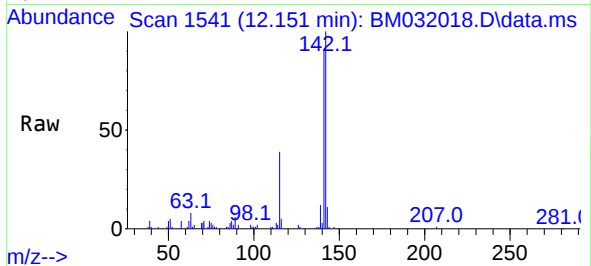
Tgt Ion:142 Resp: 114930  
Ion Ratio Lower Upper  
142 100  
141 87.6 70.6 105.8





#37  
1-Methylnaphthalene  
Concen: 4.737 ng/ul  
RT: 12.151 min Scan# 1541  
Delta R.T. -0.000 min  
Lab File: BM032018.D  
Acq: 01 Sep 2021 15:47

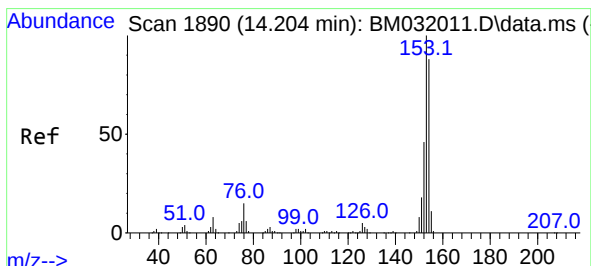
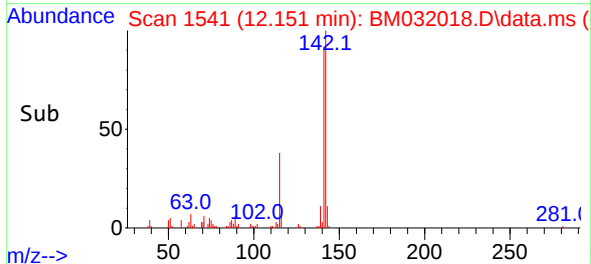
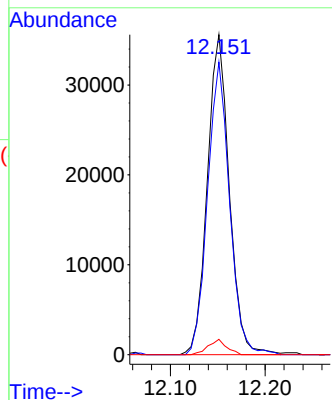
Instrument :  
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ClientSampleId :  
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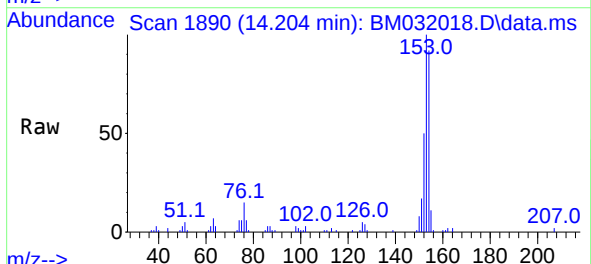
Tgt Ion:142 Resp: 57420  
Ion Ratio Lower Upper  
142 100  
141 91.4 72.8 109.2  
116 4.8 3.1 4.7#

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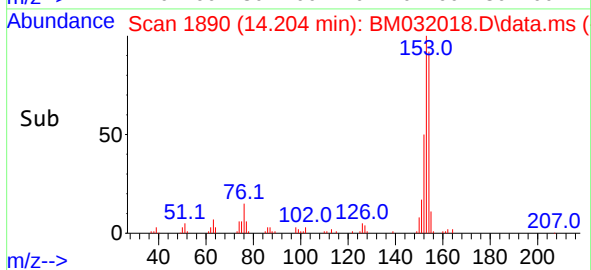
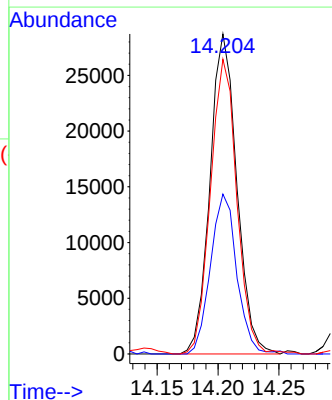
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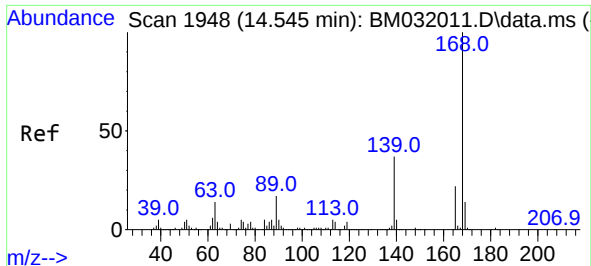


#52  
Acenaphthene  
Concen: 3.266 ng/ul  
RT: 14.204 min Scan# 1890  
Delta R.T. -0.000 min  
Lab File: BM032018.D  
Acq: 01 Sep 2021 15:47



Tgt Ion:153 Resp: 43966  
Ion Ratio Lower Upper  
153 100  
152 50.0 37.4 56.2  
154 92.1 69.4 104.0





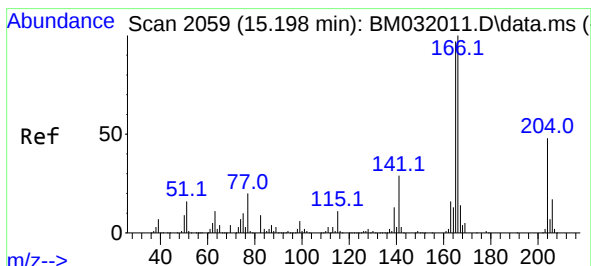
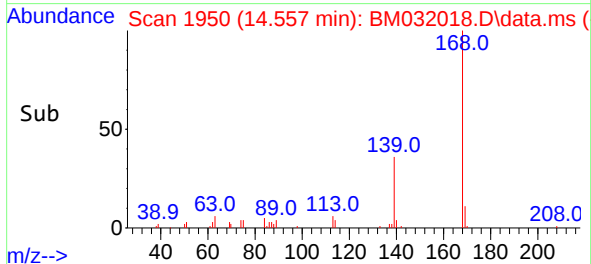
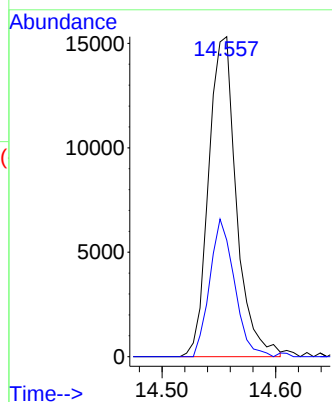
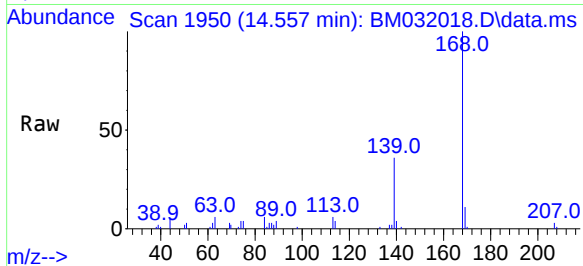
#56  
Dibenzofuran  
Concen: 1.309 ng/ul  
RT: 14.557 min Scan# 1950  
Delta R.T. 0.012 min  
Lab File: BM032018.D  
Acq: 01 Sep 2021 15:47

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Tgt Ion:168 Resp: 25979  
Ion Ratio Lower Upper  
168 100  
139 36.4 29.5 44.3

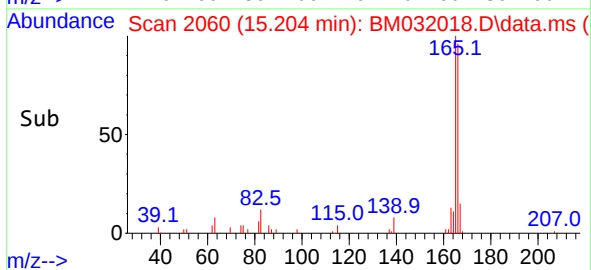
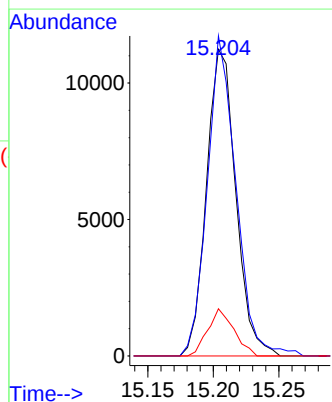
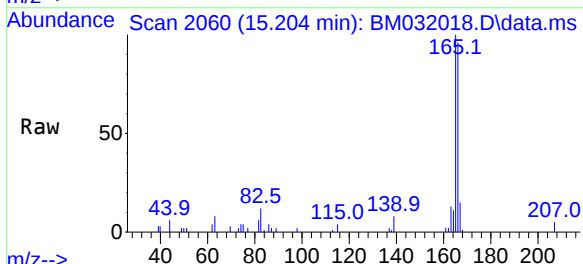
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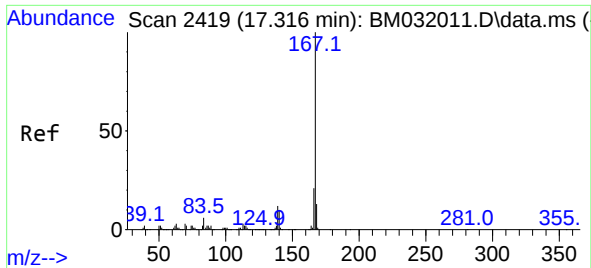
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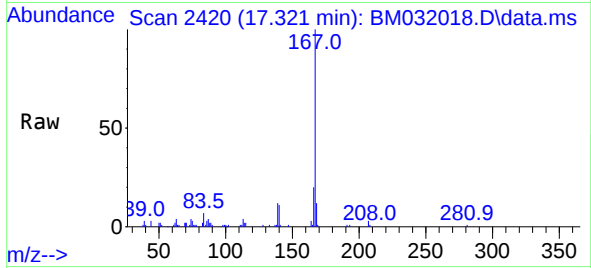
#61  
Fluorene  
Concen: 1.042 ng/ul  
RT: 15.204 min Scan# 2060  
Delta R.T. 0.006 min  
Lab File: BM032018.D  
Acq: 01 Sep 2021 15:47

Tgt Ion:166 Resp: 17499  
Ion Ratio Lower Upper  
166 100  
165 104.4 78.4 117.6  
167 15.4 10.6 15.8

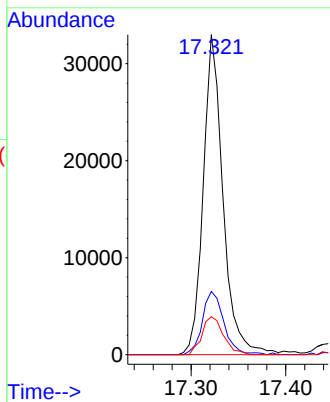
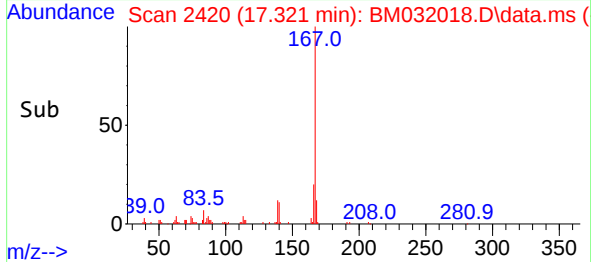




#77  
 Carbazole  
 Concen: 1.821 ng/ul  
 RT: 17.321 min Scan# 2420  
 Delta R.T. 0.006 min  
 Lab File: BM032018.D  
 Acq: 01 Sep 2021 15:47



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 167   | Resp: | 47925 |
| Ion      | Ratio | Lower | Upper |
| 167      | 100   |       |       |
| 166      | 19.8  | 17.0  | 25.6  |
| 139      | 11.9  | 9.9   | 14.9  |



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