

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072621\  
 Data File : BG049505.D  
 Acq On : 27 Jul 2021 13:07  
 Operator : CG/JU  
 Sample : M3084-07  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0025

Manual Integrations  
 APPROVED

mohammad  
 7/28/2021 11:29:36 AM

Quant Time: Jul 27 13:55:49 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG072421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jul 26 11:36:47 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|--------|------|----------|--------|---------|----------|
| -----                         |        |      |          |        |         |          |
| Internal Standards            |        |      |          |        |         |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.045  | 152  | 20750    | 20.000 | ng/ul   | 0.00     |
| 20) Naphthalene-d8            | 10.871 | 136  | 84857    | 20.000 | ng/ul # | 0.00     |
| 38) Acenaphthene-d10          | 14.695 | 164  | 63984    | 20.000 | ng/ul   | 0.00     |
| 64) Phenanthrene-d10          | 17.450 | 188  | 139548   | 20.000 | ng/ul   | 0.00     |
| 79) Chrysene-d12              | 21.727 | 240  | 129899   | 20.000 | ng/ul   | 0.00     |
| 88) Perylene-d12              | 25.016 | 264  | 139379   | 20.000 | ng/ul   | 0.01     |
| System Monitoring Compounds   |        |      |          |        |         |          |
| 3) 1,4-Dioxane-d8             | 3.434  | 96   | 1165     | 2.569  | ng/uL   | 0.00     |
| 4) Pyridine-d5                | 3.868  | 84   | 12685m   | 9.737  | ng/ul   | 0.01     |
| 7) Phenol-d5                  | 7.205  | 99   | 27533    | 14.997 | ng/ul   | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.370  | 67   | 15285    | 14.700 | ng/ul   | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.575  | 132  | 21202    | 16.111 | ng/ul   | 0.00     |
| 15) 4-Methylphenol-d8         | 8.756  | 113  | 19299    | 13.946 | ng/ul   | 0.00     |
| 21) Nitrobenzene-d5           | 9.220  | 128  | 10886    | 16.686 | ng/ul   | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.948  | 143  | 12526    | 16.384 | ng/ul   | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.489 | 165  | 20381    | 14.658 | ng/ul   | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.000 | 131  | 22327    | 11.522 | ng/ul   | 0.00     |
| 46) Dimethylphthalate-d6      | 14.096 | 166  | 75242    | 15.352 | ng/ul   | 0.00     |
| 49) Acenaphthylene-d8         | 14.389 | 160  | 90473    | 15.893 | ng/ul   | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.895 | 143  | 9341     | 11.573 | ng/ul   | 0.00     |
| 60) Fluorene-d10              | 15.688 | 176  | 68893    | 16.316 | ng/ul   | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.805 | 200  | 7798     | 9.018  | ng/ul   | 0.00     |
| 73) Anthracene-d10            | 17.550 | 188  | 112886   | 17.405 | ng/ul   | 0.00     |
| 81) Pyrene-d10                | 19.835 | 212  | 124629   | 18.763 | ng/ul   | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.781 | 264  | 124266   | 16.963 | ng/ul   | 0.01     |
| Target Compounds              |        |      |          |        |         |          |
|                               |        |      |          |        | Qvalue  |          |
| 30) Naphthalene               | 10.924 | 128  | 11573    | 2.648  | ng/ul#  | 90       |
| 36) 2-Methylnaphthalene       | 12.527 | 142  | 12244    | 3.827  | ng/ul   | 96       |
| 37) 1-Methylnaphthalene       | 12.745 | 142  | 7226     | 2.235  | ng/ul   | 87       |
| 43) 1,1'-Biphenyl             | 13.532 | 154  | 4649     | 1.020  | ng/ul#  | 78       |
| 72) Phenanthrene              | 17.491 | 178  | 40634    | 5.593  | ng/ul#  | 93       |
| 80) Fluoranthene              | 19.500 | 202  | 29344    | 3.638  | ng/ul#  | 96       |
| 82) Pyrene                    | 19.858 | 202  | 28210    | 3.523  | ng/ul   | 99       |
| 85) Benzo(a)anthracene        | 21.709 | 228  | 20575    | 2.591  | ng/ul#  | 85       |
| 87) Chrysene                  | 21.774 | 228  | 31838m   | 4.188  | ng/ul   |          |
| 90) Benzo(b)fluoranthene      | 23.971 | 252  | 29076    | 3.328  | ng/ul   | 97       |
| 93) Benzo(a)pyrene            | 24.852 | 252  | 13787m   | 1.819  | ng/ul   |          |
| 94) Indeno(1,2,3-cd)pyrene    | 28.746 | 276  | 11661m   | 1.206  | ng/ul   |          |
| 96) Benzo(g,h,i)perylene      | 29.915 | 276  | 10377m   | 1.291  | ng/ul   |          |
| -----                         |        |      |          |        |         |          |

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

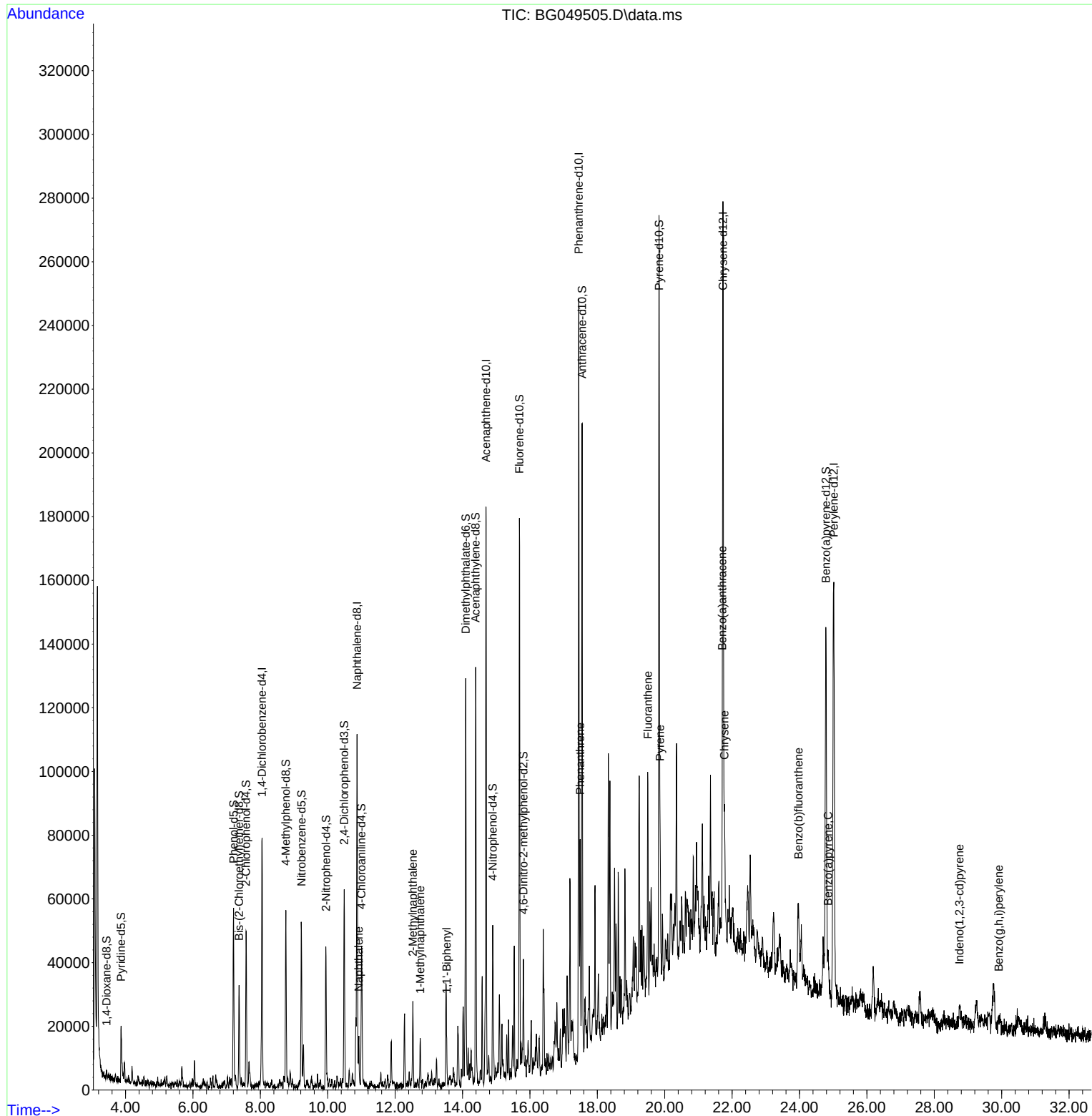
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072621\  
Data File : BG049505.D  
Acq On : 27 Jul 2021 13:07  
Operator : CG/JU  
Sample : M3084-07  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

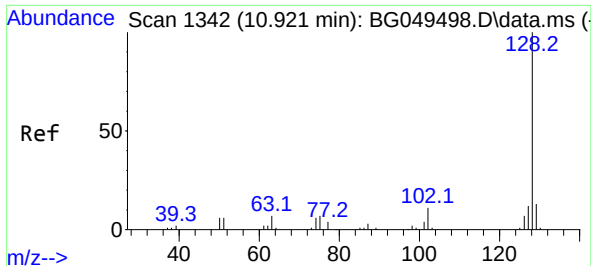
Instrument :  
BNA\_G  
ClientSampleId :  
C0025

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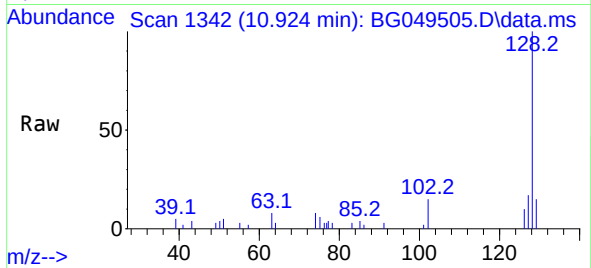
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7/28/2021 11:29:36 AM

Quant Time: Jul 27 13:55:49 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG072421.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jul 26 11:36:47 2021  
Response via : Initial Calibration

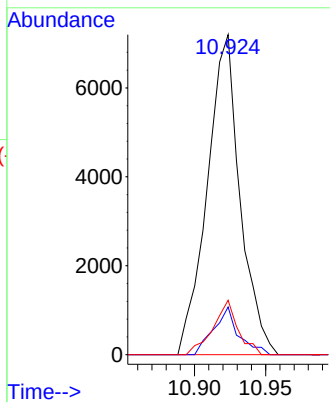
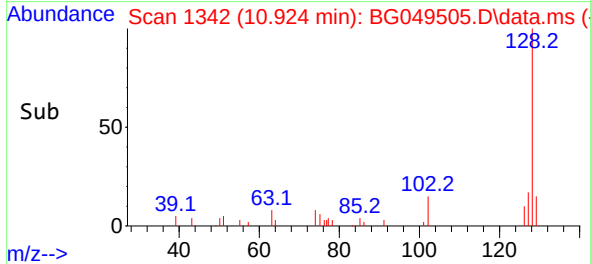




#30  
Naphthalene  
Concen: 2.648 ng/ul  
RT: 10.924 min Scan# 1342  
Delta R.T. 0.007 min  
Lab File: BG049505.D  
Acq: 27 Jul 2021 13:07



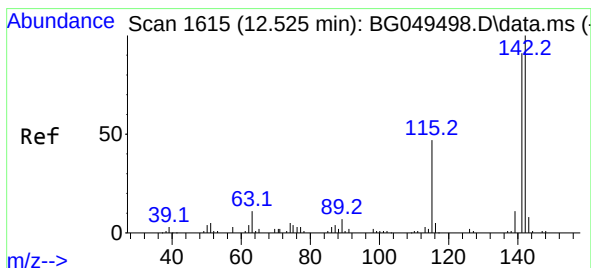
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Ion Ratio Lower Upper  
128 100  
129 14.9 7.8 11.8#  
127 17.0 11.0 16.6#



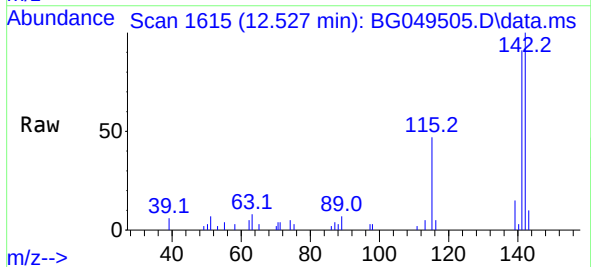
Instrument :  
BNA\_G  
ClientSampled :  
C0025

Manual Integrations  
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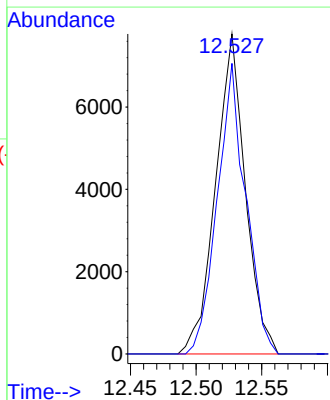
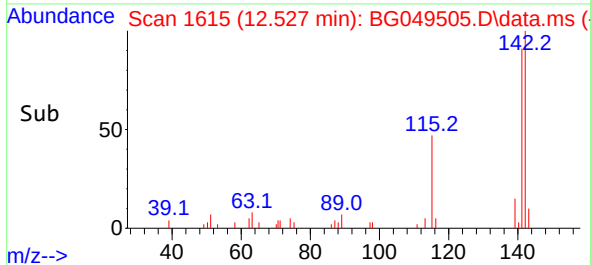
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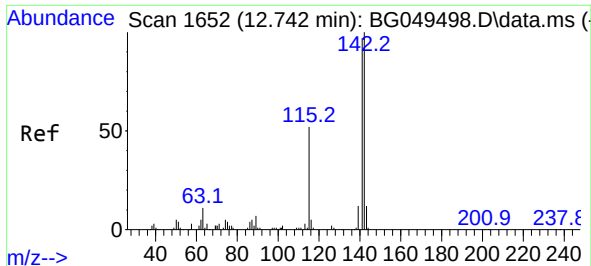


#36  
2-Methylnaphthalene  
Concen: 3.827 ng/ul  
RT: 12.527 min Scan# 1615  
Delta R.T. 0.002 min  
Lab File: BG049505.D  
Acq: 27 Jul 2021 13:07



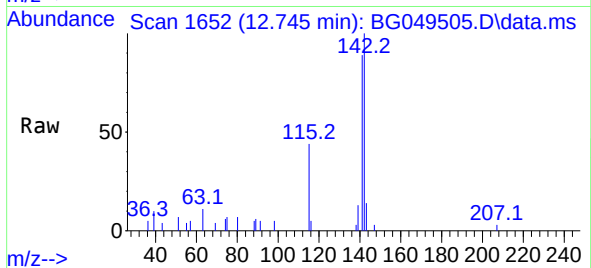
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Ion Ratio Lower Upper  
142 100  
141 90.8 69.9 104.9





#37  
1-Methylnaphthalene  
Concen: 2.235 ng/ul  
RT: 12.745 min Scan# 1652  
Delta R.T. 0.002 min  
Lab File: BG049505.D  
Acq: 27 Jul 2021 13:07

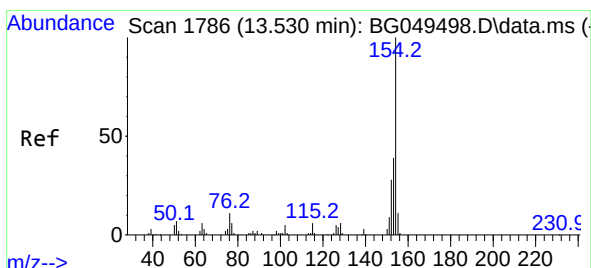
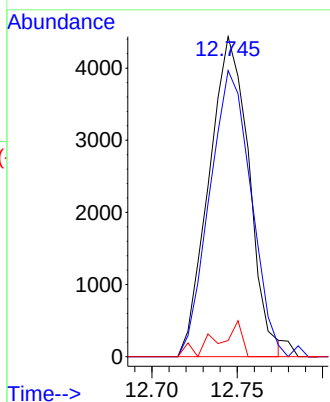
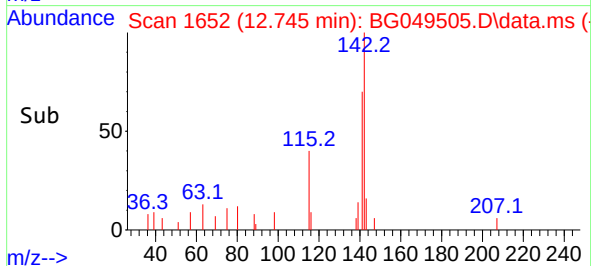
Instrument :  
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ClientSampled :  
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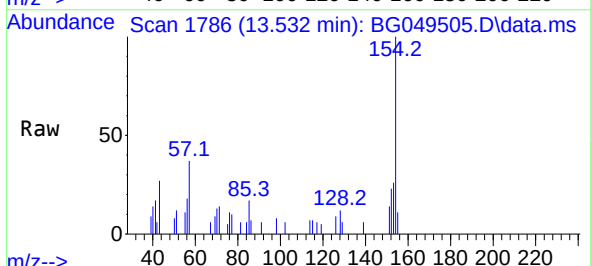
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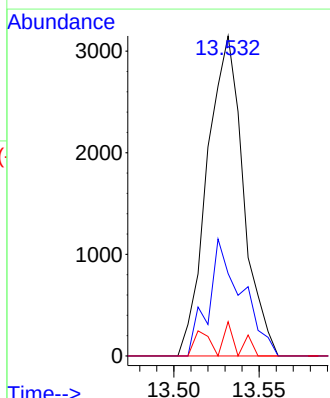
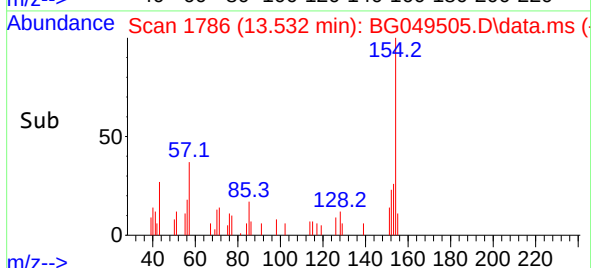
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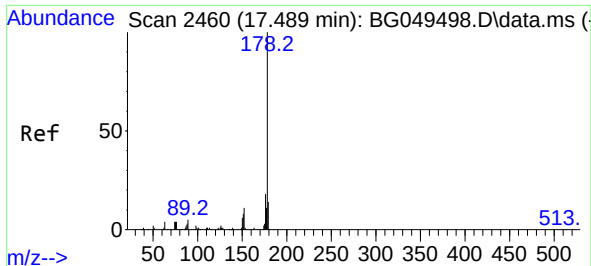


#43  
1,1'-Biphenyl  
Concen: 1.020 ng/ul  
RT: 13.532 min Scan# 1786  
Delta R.T. 0.002 min  
Lab File: BG049505.D  
Acq: 27 Jul 2021 13:07



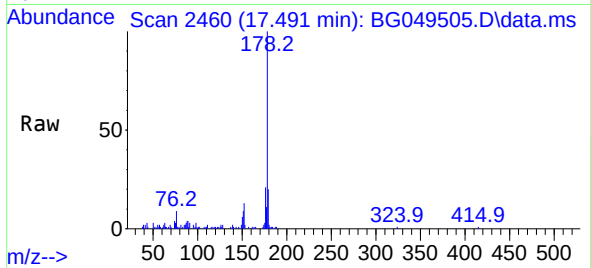
Tgt Ion:154 Resp: 4649  
Ion Ratio Lower Upper  
154 100  
153 25.8 33.3 49.9#  
76 10.7 7.0 10.6#





#72  
Phenanthrene  
Concen: 5.593 ng/u1  
RT: 17.491 min Scan# 2460  
Delta R.T. 0.002 min  
Lab File: BG049505.D  
Acq: 27 Jul 2021 13:07

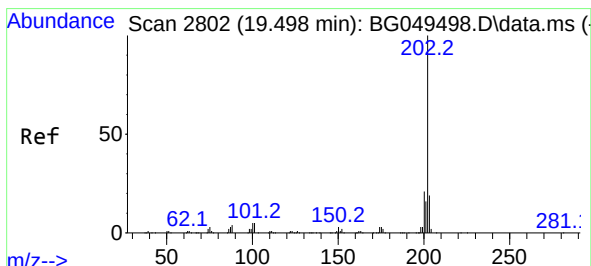
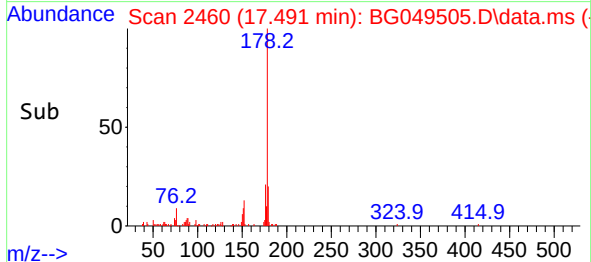
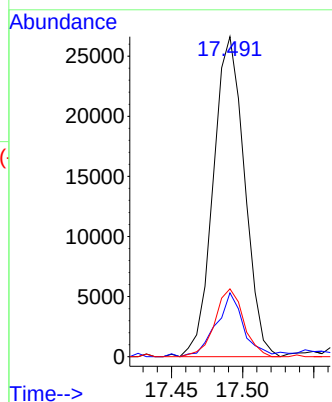
Instrument :  
BNA\_G  
ClientSampled :  
C0025



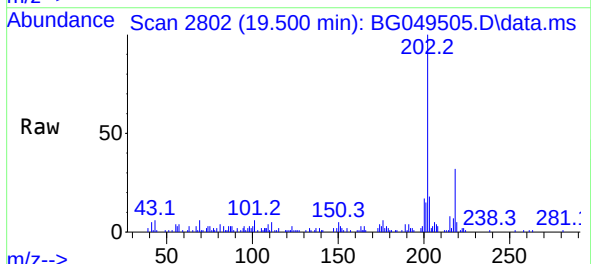
Tgt Ion:178 Resp: 40634  
Ion Ratio Lower Upper  
178 100  
179 20.0 13.2 19.8#  
176 21.2 15.0 22.6

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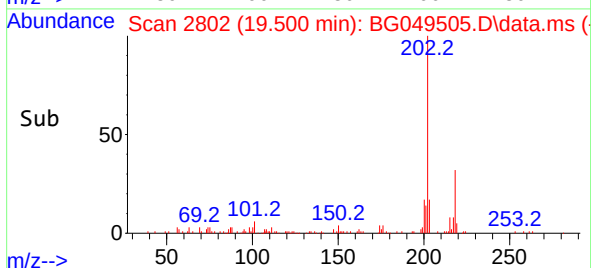
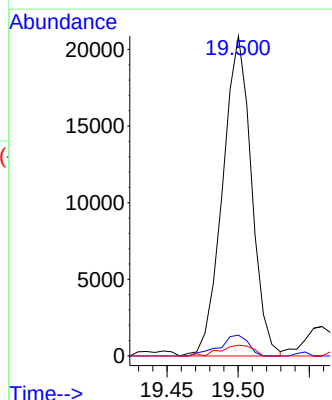
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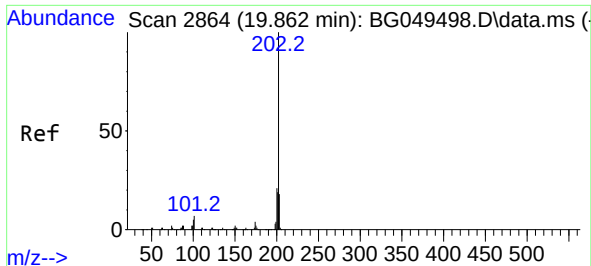


#80  
Fluoranthene  
Concen: 3.638 ng/u1  
RT: 19.500 min Scan# 2802  
Delta R.T. 0.002 min  
Lab File: BG049505.D  
Acq: 27 Jul 2021 13:07



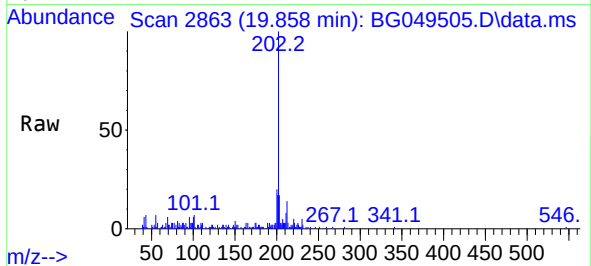
Tgt Ion:202 Resp: 29344  
Ion Ratio Lower Upper  
202 100  
101 6.5 4.3 6.5#  
100 3.4 3.8 5.6#





#82  
Pyrene  
Concen: 3.523 ng/ul  
RT: 19.858 min Scan# 2863  
Delta R.T. -0.004 min  
Lab File: BG049505.D  
Acq: 27 Jul 2021 13:07

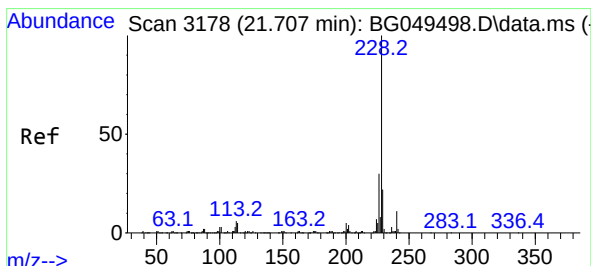
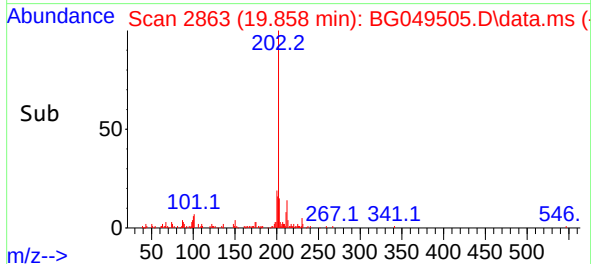
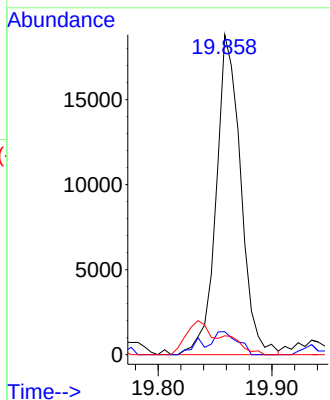
Instrument :  
BNA\_G  
ClientSampled :  
C0025



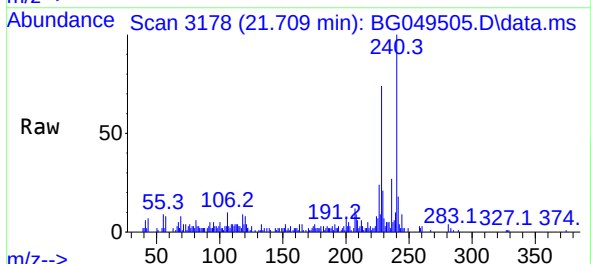
Tgt Ion:202 Resp: 28210  
Ion Ratio Lower Upper  
202 100  
101 7.2 5.3 7.9  
100 5.9 4.7 7.1

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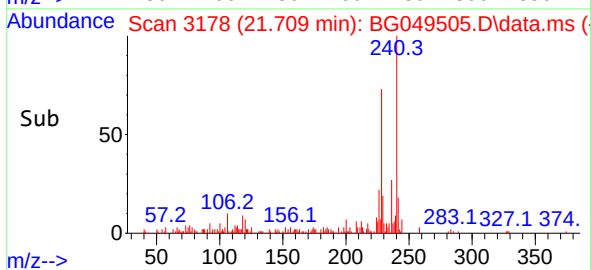
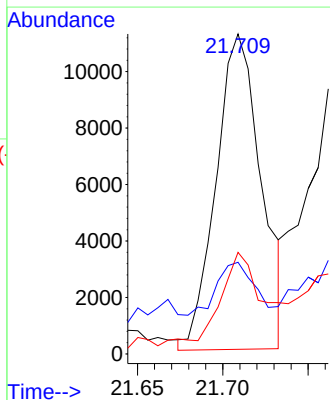
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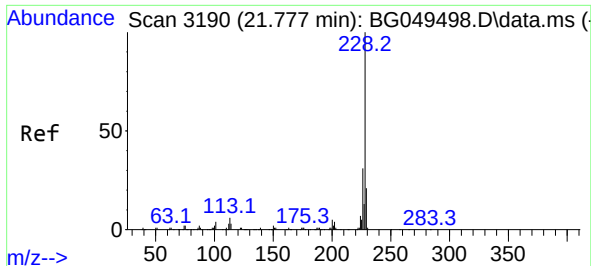


#85  
Benzo(a)anthracene  
Concen: 2.591 ng/ul  
RT: 21.709 min Scan# 3178  
Delta R.T. 0.002 min  
Lab File: BG049505.D  
Acq: 27 Jul 2021 13:07



Tgt Ion:228 Resp: 20575  
Ion Ratio Lower Upper  
228 100  
229 28.7 15.4 23.2#  
226 31.7 21.1 31.7#





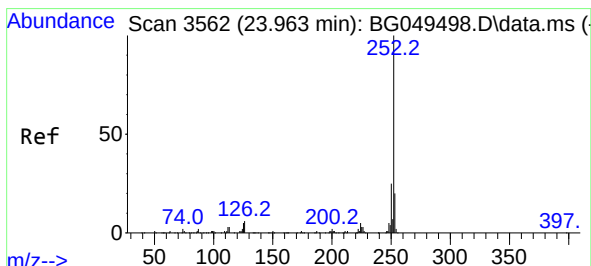
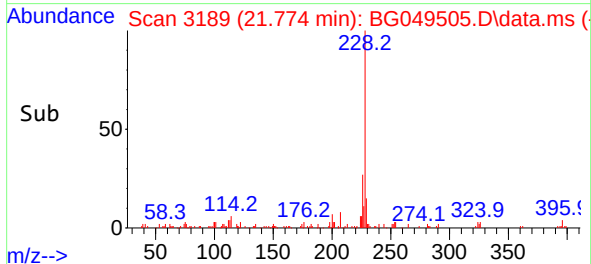
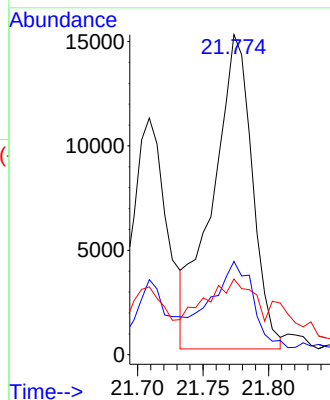
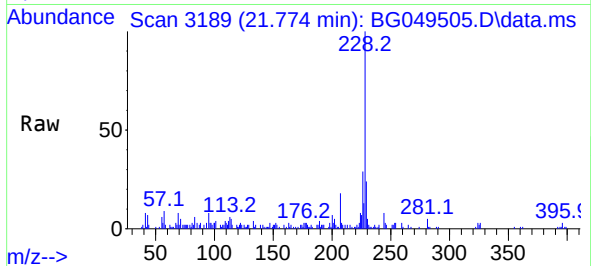
#87  
Chrysene  
Concen: 4.188 ng/ul m  
RT: 21.774 min Scan# 3189  
Delta R.T. 0.002 min  
Lab File: BG049505.D  
Acq: 27 Jul 2021 13:07

Tgt Ion:228 Resp: 31838  
Ion Ratio Lower Upper  
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226 29.2 24.6 37.0  
229 23.7 14.9 22.3#

Instrument :  
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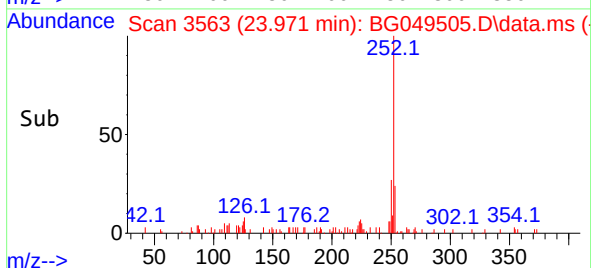
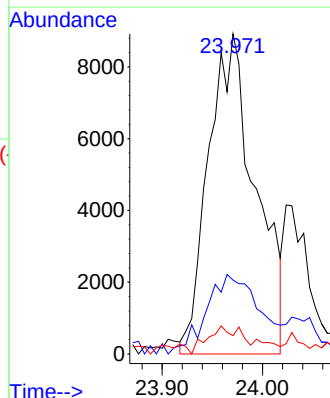
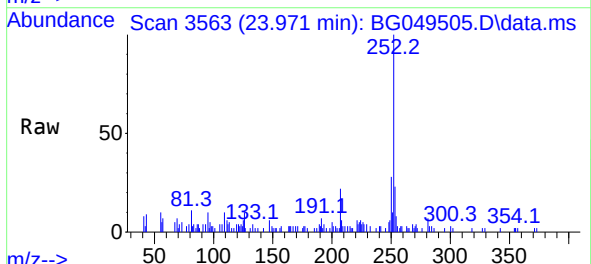
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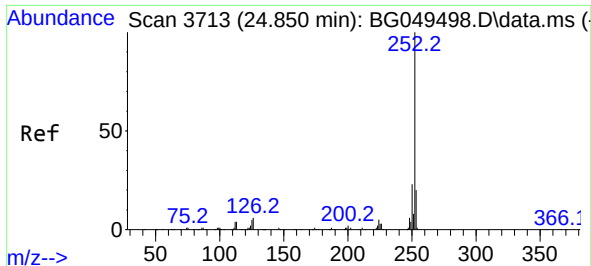
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#90  
Benzo(b)fluoranthene  
Concen: 3.328 ng/ul  
RT: 23.971 min Scan# 3563  
Delta R.T. 0.013 min  
Lab File: BG049505.D  
Acq: 27 Jul 2021 13:07

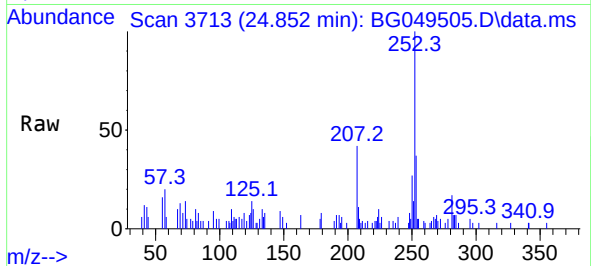
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Ion Ratio Lower Upper  
252 100  
253 23.1 17.1 25.7  
125 5.7 4.5 6.7





#93  
Benzo(a)pyrene  
Concen: 1.819 ng/ul m  
RT: 24.852 min Scan# 3713  
Delta R.T. 0.013 min  
Lab File: BG049505.D  
Acq: 27 Jul 2021 13:07

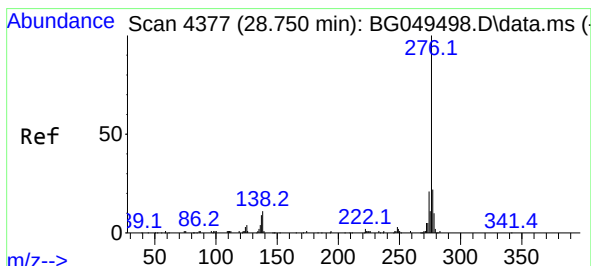
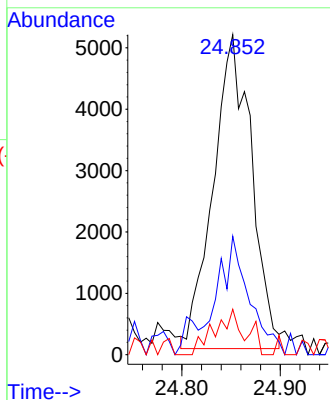
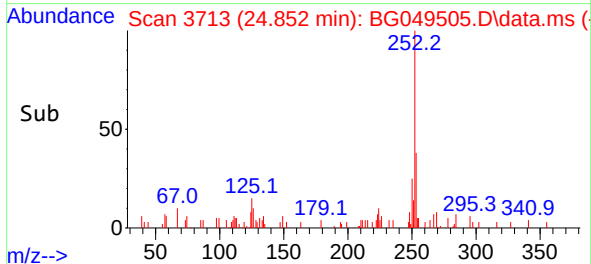
Instrument :  
BNA\_G  
ClientSampled :  
C0025



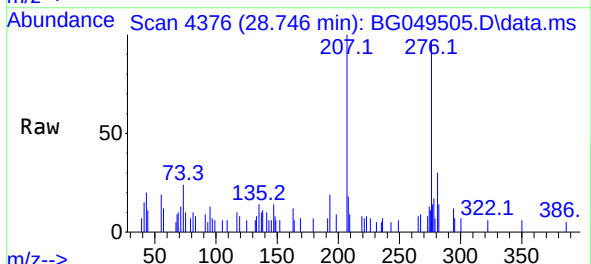
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125 14.2 4.6 6.8#

Manual Integrations  
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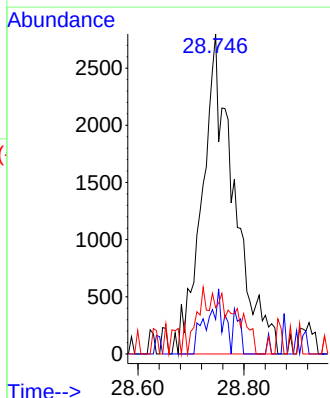
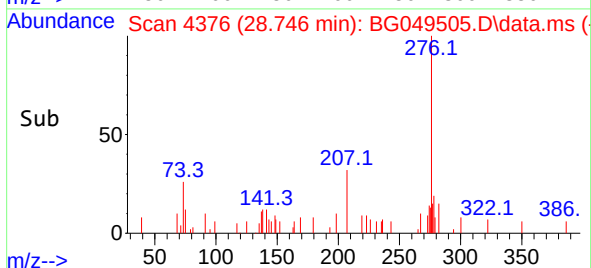
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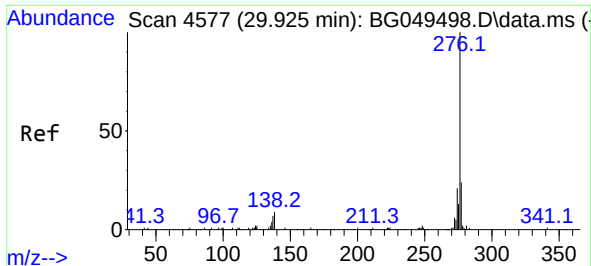
#94  
Indeno(1,2,3-cd)pyrene  
Concen: 1.206 ng/ul m  
RT: 28.746 min Scan# 4376  
Delta R.T. 0.007 min  
Lab File: BG049505.D  
Acq: 27 Jul 2021 13:07



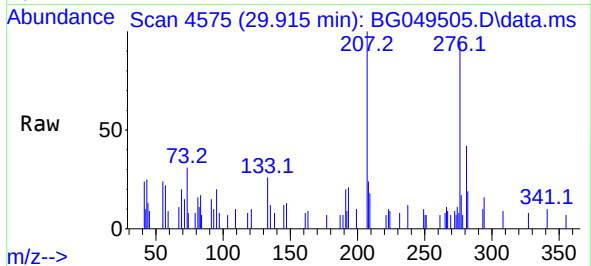
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Ion Ratio Lower Upper  
276 100  
138 10.8 7.3 10.9  
277 14.5 19.2 28.8#



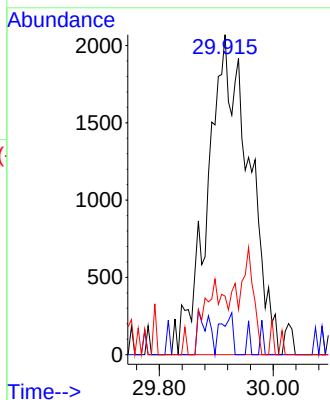
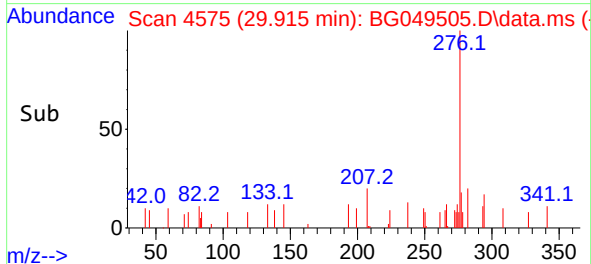




#96  
 Benzo(g,h,i)perylene  
 Concen: 1.291 ng/ul m  
 RT: 29.915 min Scan# 4575  
 Delta R.T. 0.013 min  
 Lab File: BG049505.D  
 Acq: 27 Jul 2021 13:07



Tgt Ion: 276 Resp: 10377  
 Ion Ratio Lower Upper  
 276 100  
 138 8.8 10.8 16.2#  
 277 18.3 20.6 31.0#



Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0025

Manual Integrations  
 APPROVED

mohammad  
 7/28/2021 11:29:36 AM