

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011720\  
 Data File : BG044084.D  
 Acq On : 17 Jan 2020 21:16  
 Operator : JU  
 Sample : L1162-10  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MH-720

Quant Time: Jan 18 03:45:53 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 31 13:32:23 2019  
 Response via : Initial Calibration

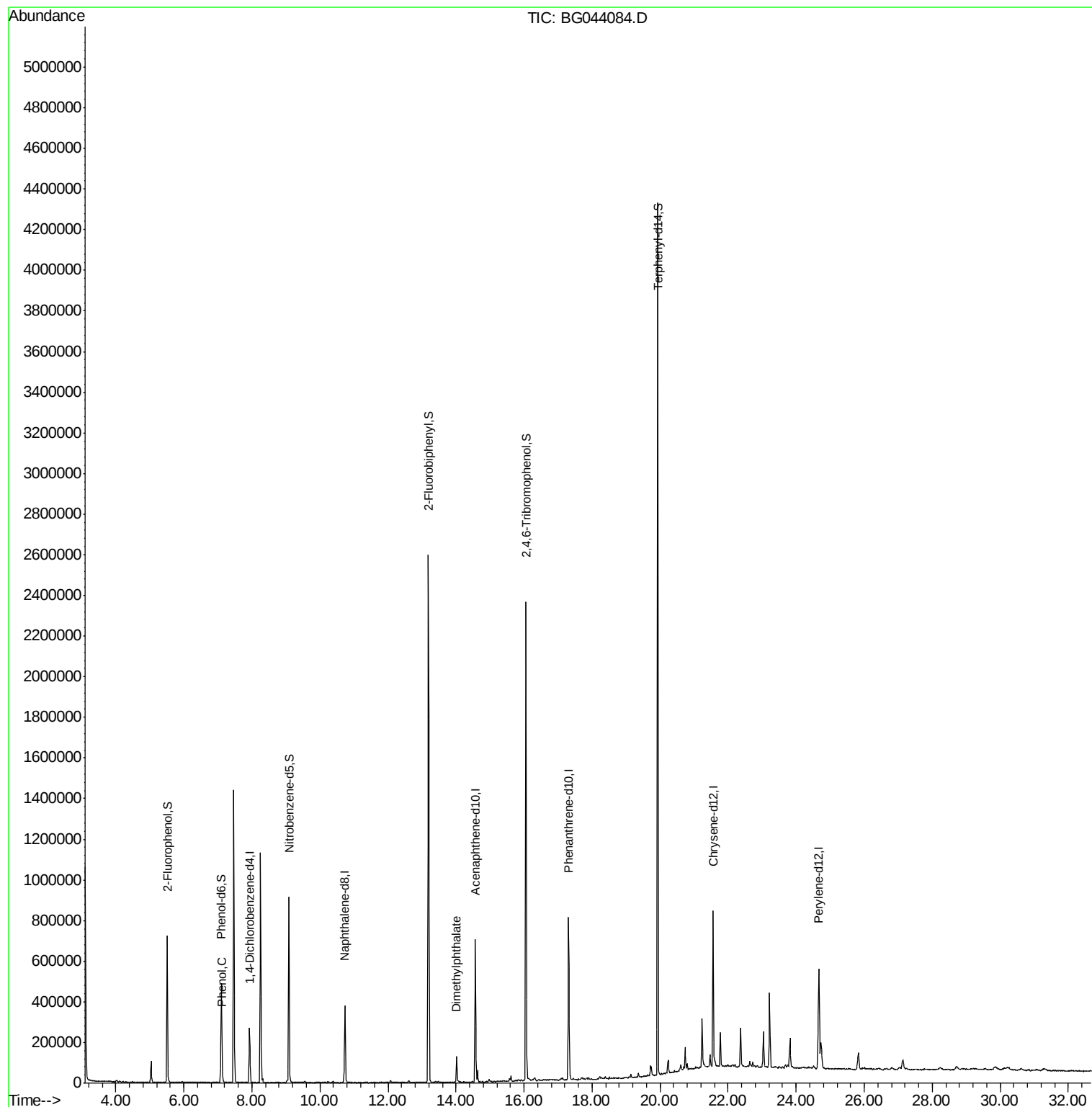
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.93  | 152  | 79418    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 10.73 | 136  | 350235   | 20.00  | ng    | -0.03    |
| 39) Acenaphthene-d10        | 14.57 | 164  | 250119   | 20.00  | ng    | -0.03    |
| 64) Phenanthrene-d10        | 17.31 | 188  | 516002   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.56 | 240  | 442592   | 20.00  | ng    | -0.03    |
| 87) Perylene-d12            | 24.67 | 264  | 492725   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.51  | 112  | 356579   | 82.44  | ng    | -0.03    |
| 7) Phenol-d6                | 7.10  | 99   | 312786   | 51.73  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.09  | 82   | 585452   | 89.42  | ng    | -0.03    |
| 42) 2,4,6-Tribromophenol    | 16.06 | 330  | 431084   | 164.70 | ng    | -0.03    |
| 45) 2-Fluorobiphenyl        | 13.19 | 172  | 1397349  | 101.22 | ng    | -0.03    |
| 79) Terphenyl-d14           | 19.93 | 244  | 1899338  | 112.04 | ng    | -0.03    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.13  | 94   | 21456    | 3.444  | ng    | 89       |
| 50) Dimethylphthalate       | 14.02 | 163  | 94521    | 5.322  | ng    | 98       |

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

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ALS Vial : 11 Sample Multiplier: 1

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 31 13:32:23 2019  
Response via : Initial Calibration



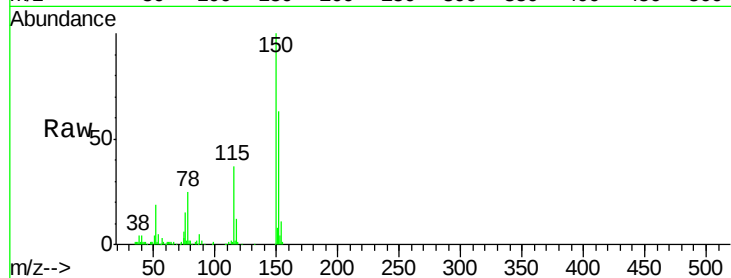


#1

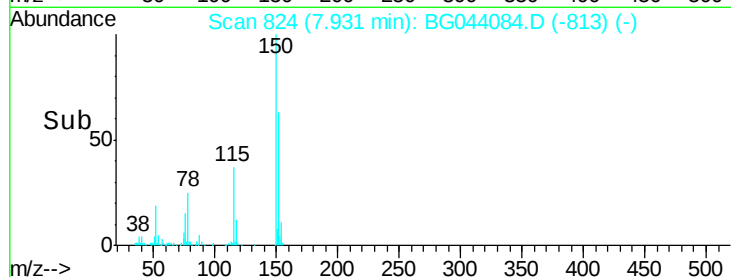
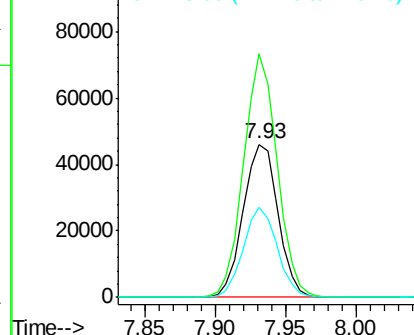
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.93 min Scan# 824  
Delta R.T. -0.03 min  
Lab File: BG044084.D  
Acq: 17 Jan 2020 21:16

Instrument :  
BNA\_G  
ClientSampleId :  
MH-720

Tot Ion:152 Resp: 79418  
Ion Ratio Lower Upper  
152 100  
150 159.4 127.0 190.4  
115 59.2 47.8 71.8



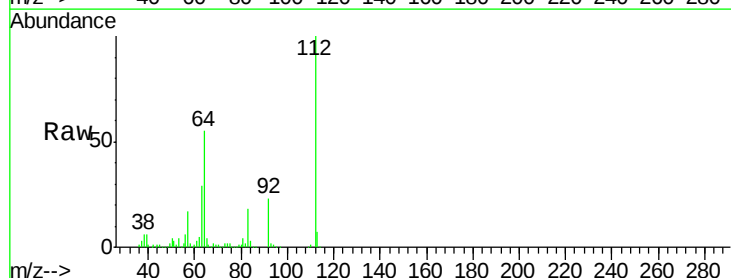
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



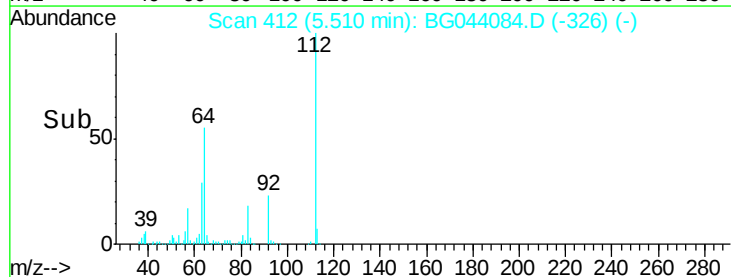
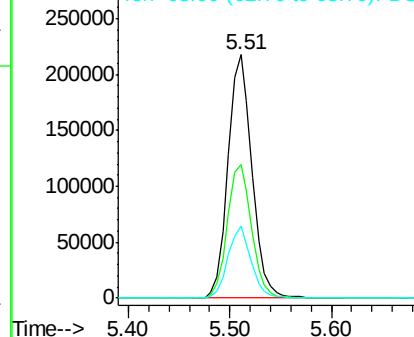
#5

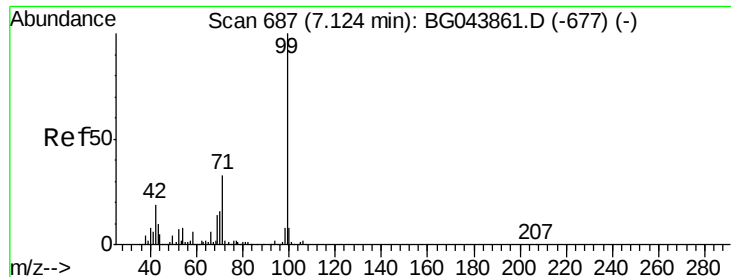
2-Fluorophenol  
Concen: 82.440 ng  
RT: 5.51 min Scan# 412  
Delta R.T. -0.03 min  
Lab File: BG044084.D  
Acq: 17 Jan 2020 21:16

Tgt Ion:112 Resp: 356579  
Ion Ratio Lower Upper  
112 100  
64 55.1 47.8 71.6  
63 29.4 24.3 36.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG0  
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 51.734 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044084.D

Acq: 17 Jan 2020 21:16

Instrument :

BNA\_G

ClientSampleId :

MH-720

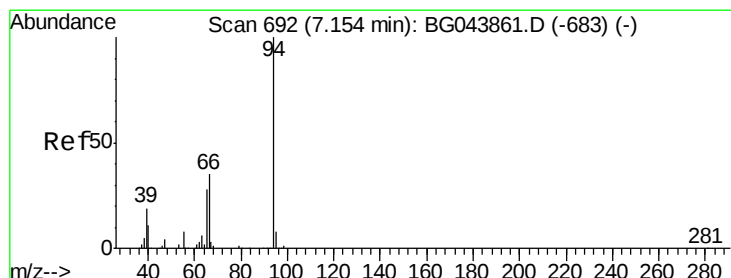
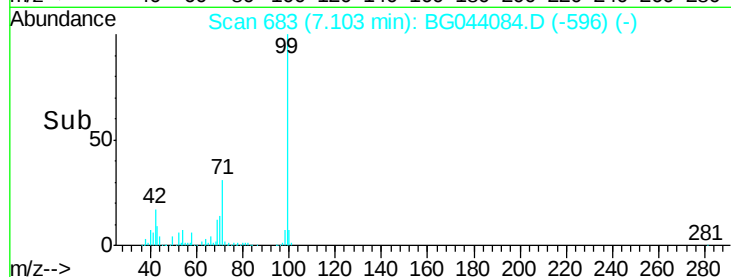
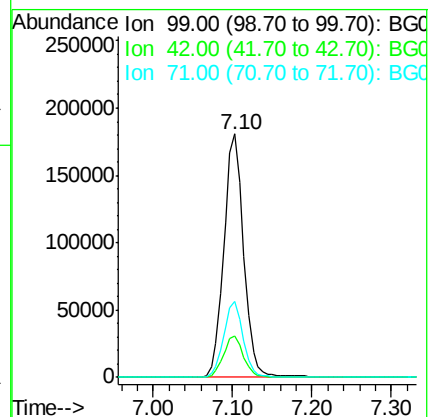
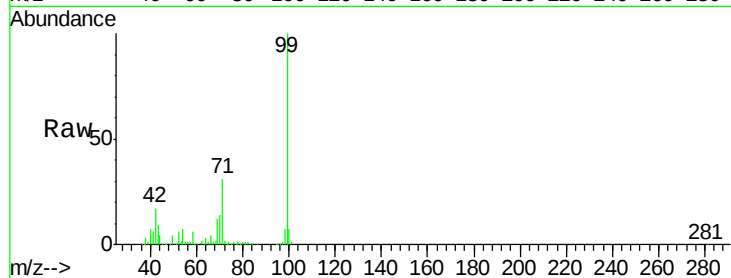
Tot Ion: 99 Resp: 312786

Ion Ratio Lower Upper

99 100

42 17.0 14.9 22.3

71 31.1 26.4 39.6



#10

Phenol

Concen: 3.444 ng

RT: 7.13 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044084.D

Acq: 17 Jan 2020 21:16

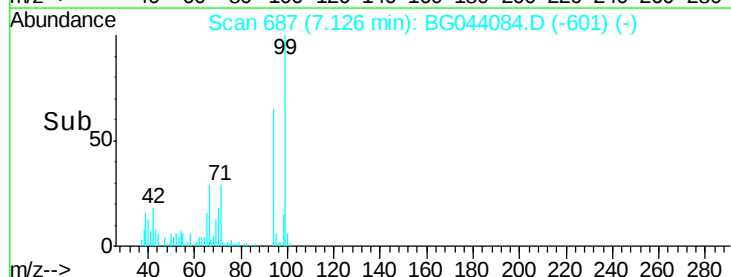
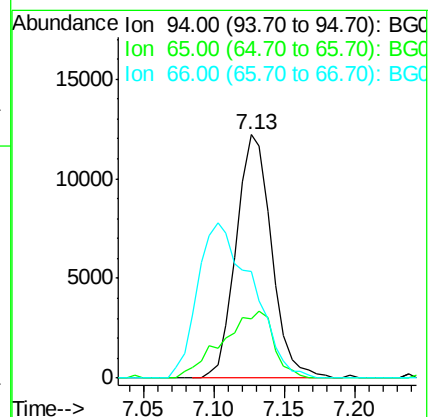
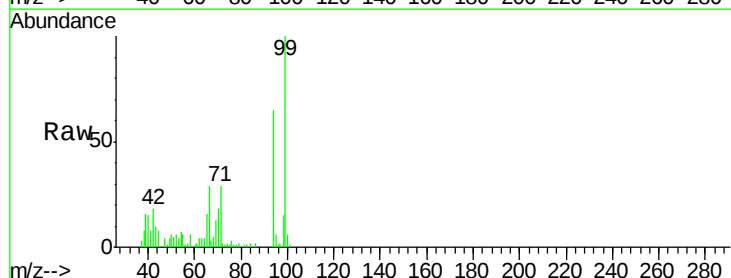
Tgt Ion: 94 Resp: 21456

Ion Ratio Lower Upper

94 100

65 24.6 8.1 48.1

66 43.7 15.6 55.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.73 min Scan# 1301

Delta R.T. -0.03 min

Lab File: BG044084.D

Acq: 17 Jan 2020 21:16

Instrument :

BNA\_G

ClientSampleId :

MH-720

Tot Ion:136 Resp: 350235

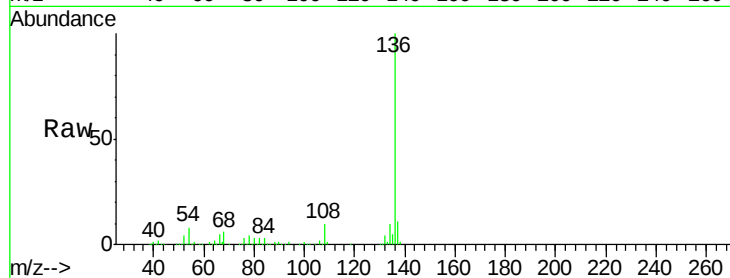
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 8.2 7.0 10.4

68 5.8 4.9 7.3

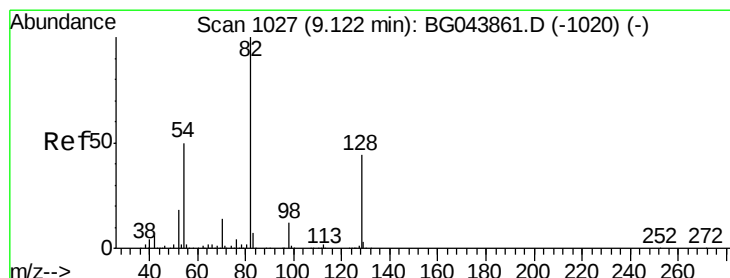
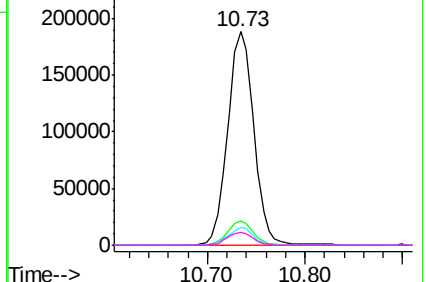
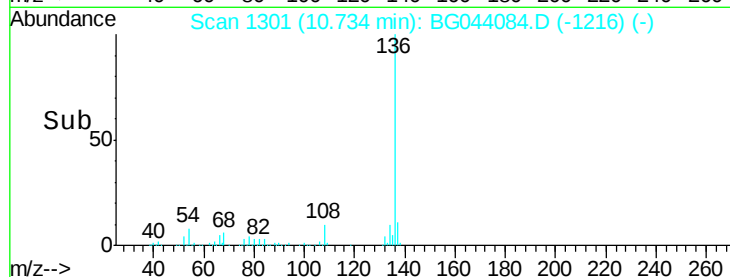


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 89.424 ng

RT: 9.09 min Scan# 1021

Delta R.T. -0.03 min

Lab File: BG044084.D

Acq: 17 Jan 2020 21:16

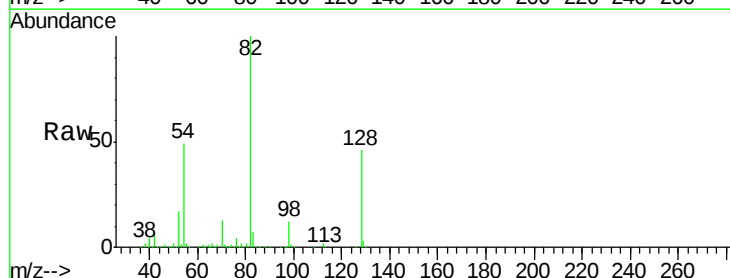
Tgt Ion: 82 Resp: 585452

Ion Ratio Lower Upper

82 100

128 46.4 35.1 52.7

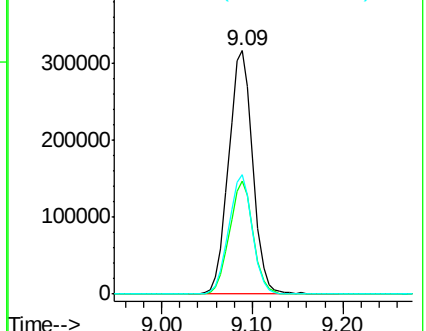
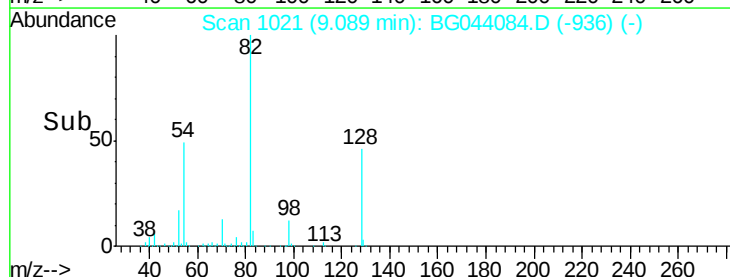
54 48.9 40.1 60.1

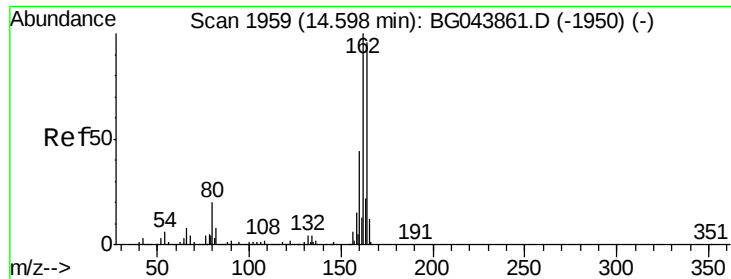


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1954

Delta R.T. -0.03 min

Lab File: BG044084.D

Acq: 17 Jan 2020 21:16

Instrument :

BNA\_G

ClientSampleId :

MH-720

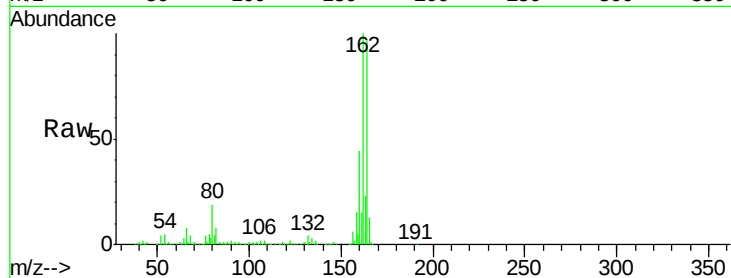
Tot Ion:164 Resp: 250119

Ion Ratio Lower Upper

164 100

162 102.7 83.0 124.4

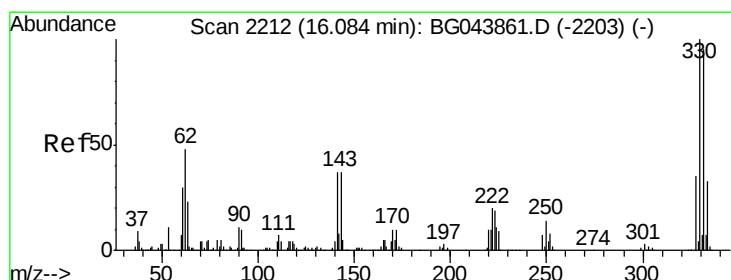
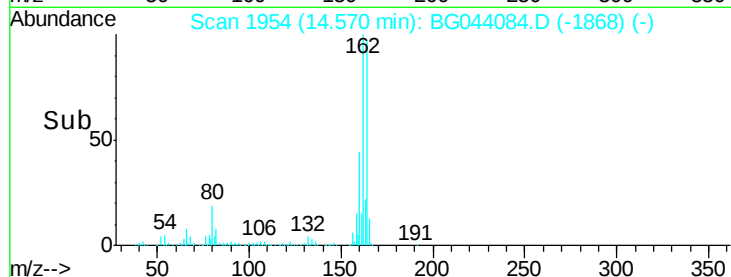
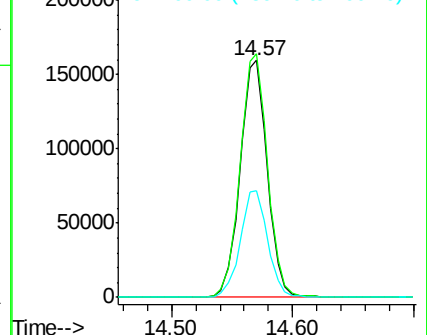
160 44.8 36.1 54.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 164.697 ng

RT: 16.06 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044084.D

Acq: 17 Jan 2020 21:16

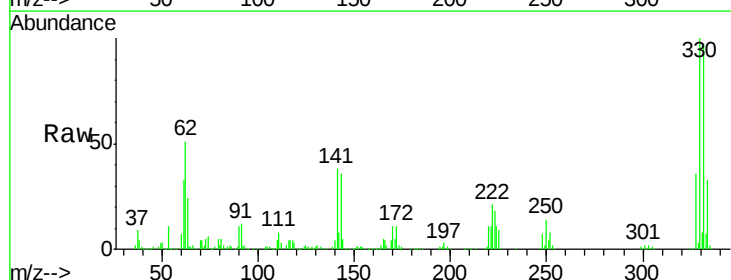
Tgt Ion:330 Resp: 431084

Ion Ratio Lower Upper

330 100

332 95.9 77.2 115.8

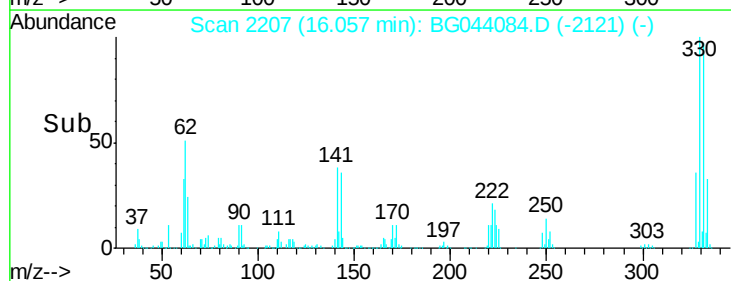
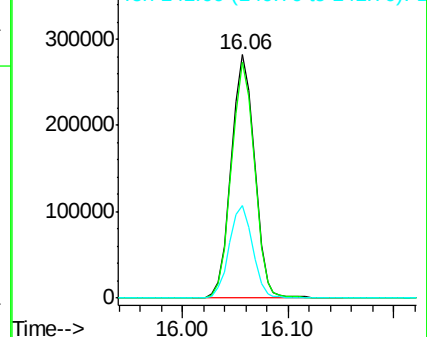
141 38.7 33.1 49.7



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



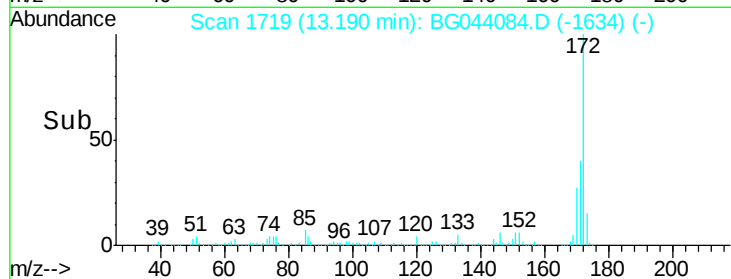
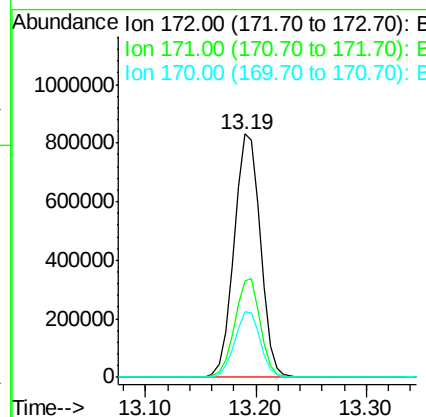
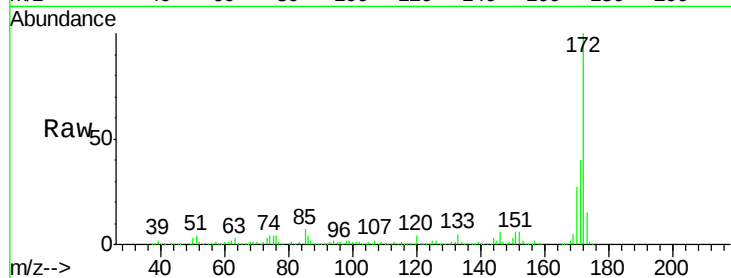


#45  
 2-Fluorobiphenyl  
 Concen: 101.219 ng  
 RT: 13.19 min Scan# 1719  
 Delta R.T. -0.03 min  
 Lab File: BG044084.D  
 Acq: 17 Jan 2020 21:16

Instrument :  
 BNA\_G  
 ClientSampled :  
 MH-720

Tot Ion:172 Resp: 1397349  

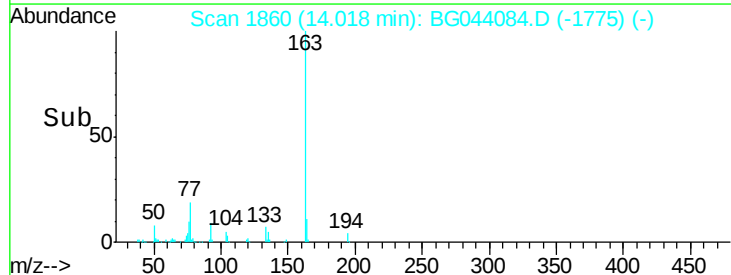
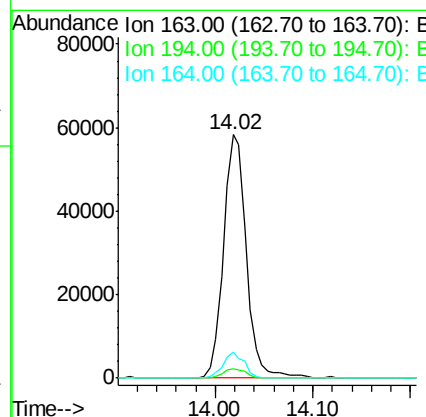
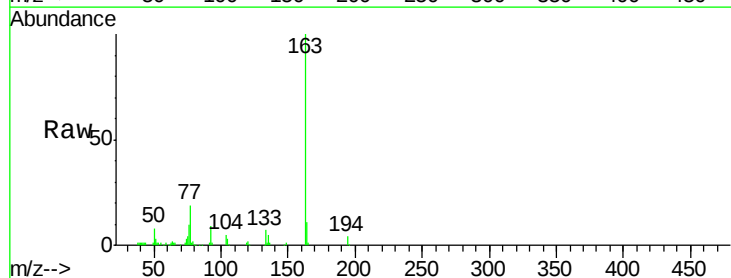
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 39.7  | 35.8  | 53.8  |
| 170 | 26.8  | 24.2  | 36.4  |



#50  
 Dimethylphthalate  
 Concen: 5.322 ng  
 RT: 14.02 min Scan# 1860  
 Delta R.T. -0.03 min  
 Lab File: BG044084.D  
 Acq: 17 Jan 2020 21:16

Tgt Ion:163 Resp: 94521  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.9   | 3.7   | 5.5   |
| 164 | 10.8  | 9.3   | 13.9  |

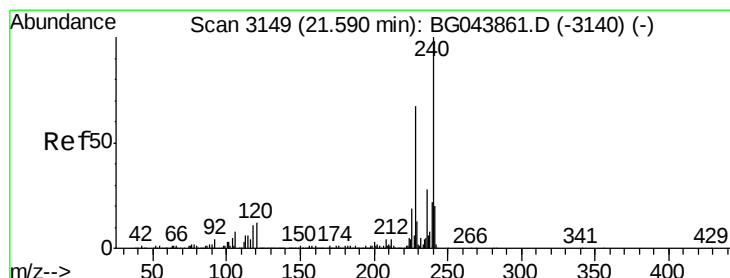
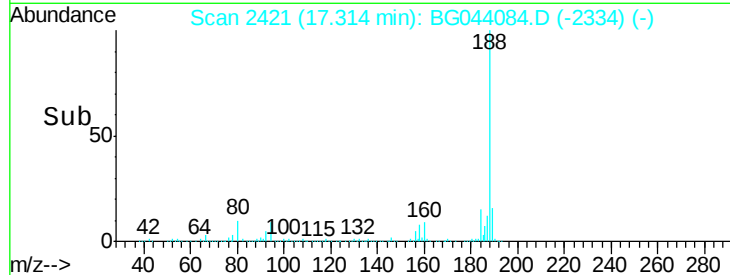
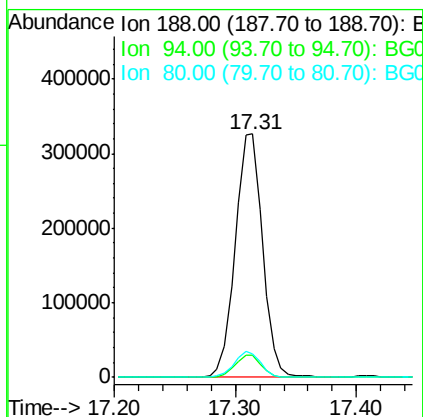
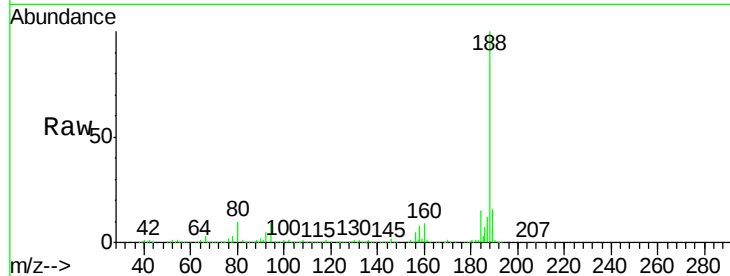




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.31 min Scan# 2421  
Delta R.T. -0.02 min  
Lab File: BG044084.D  
Acq: 17 Jan 2020 21:16

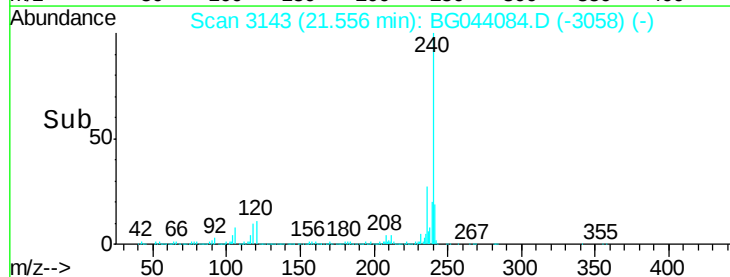
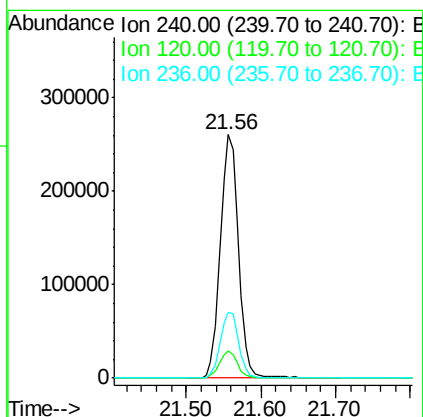
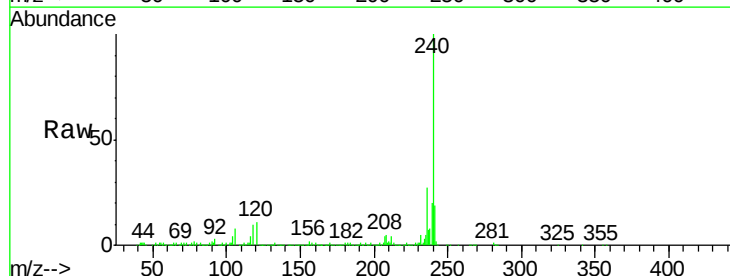
Instrument :  
BNA\_G  
ClientSampled :  
MH-720

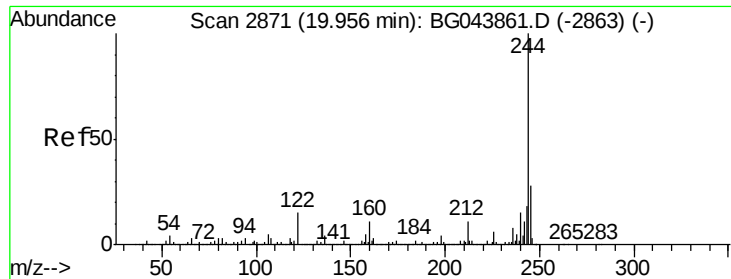
Tot Ion:188 Resp: 516002  
Ion Ratio Lower Upper  
188 100  
94 9.1 7.9 11.9  
80 9.7 8.2 12.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.56 min Scan# 3143  
Delta R.T. -0.03 min  
Lab File: BG044084.D  
Acq: 17 Jan 2020 21:16

Tgt Ion:240 Resp: 442592  
Ion Ratio Lower Upper  
240 100  
120 11.0 9.6 14.4  
236 26.9 22.2 33.2





#79

Terphenyl-d14

Concen: 112.042 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044084.D

Acq: 17 Jan 2020 21:16

Instrument :

BNA\_G

ClientSampleId :

MH-720

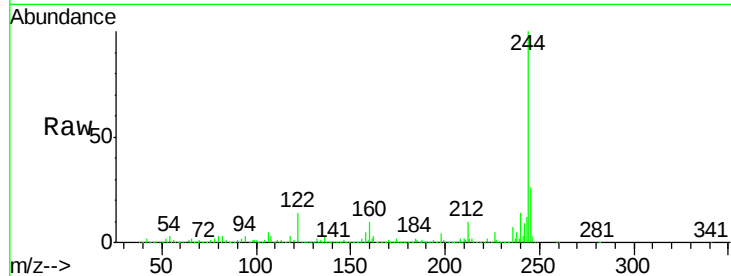
Tot Ion:244 Resp: 1899338

Ion Ratio Lower Upper

244 100

212 9.7 8.6 13.0

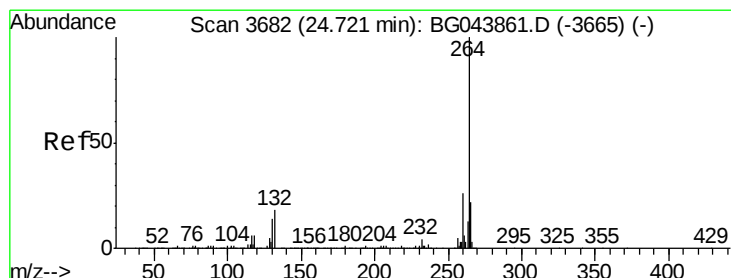
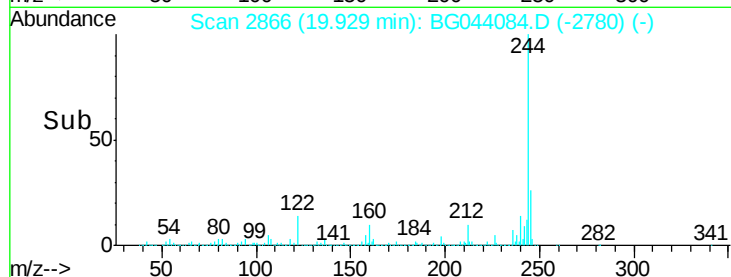
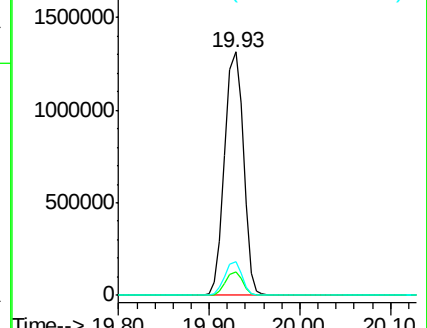
122 13.7 11.9 17.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.67 min Scan# 3673

Delta R.T. -0.05 min

Lab File: BG044084.D

Acq: 17 Jan 2020 21:16

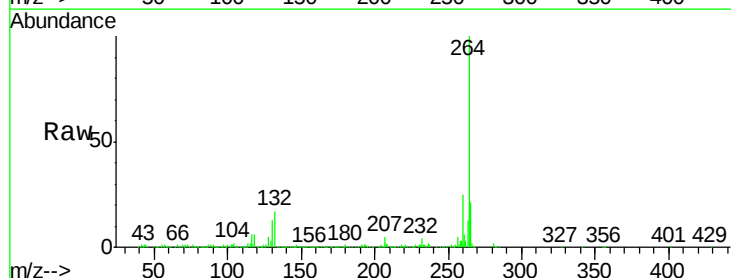
Tgt Ion:264 Resp: 492725

Ion Ratio Lower Upper

264 100

260 25.3 20.4 30.6

265 21.5 17.4 26.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

