

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072319\  
 Data File : BG041763.D  
 Acq On : 23 Jul 2019 19:45  
 Operator : HP/JU  
 Sample : K3617-04  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NB-07-071919-B

Quant Time: Jul 24 04:18:57 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 15 16:16:21 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.04  | 152  | 97264    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.85 | 136  | 374355   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.66 | 164  | 264226   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.40 | 188  | 595489   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.64 | 240  | 638120   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 24.84 | 264  | 741784   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 651663   | 109.53 | ng    | 0.00     |
| 7) Phenol-d6                | 7.20  | 99   | 828938   | 103.58 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 601450   | 97.71  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.14 | 330  | 476300   | 159.95 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.29 | 172  | 1508789  | 88.42  | ng    | -0.01    |
| 79) Terphenyl-d14           | 20.00 | 244  | 2434773  | 89.16  | ng    | -0.01    |

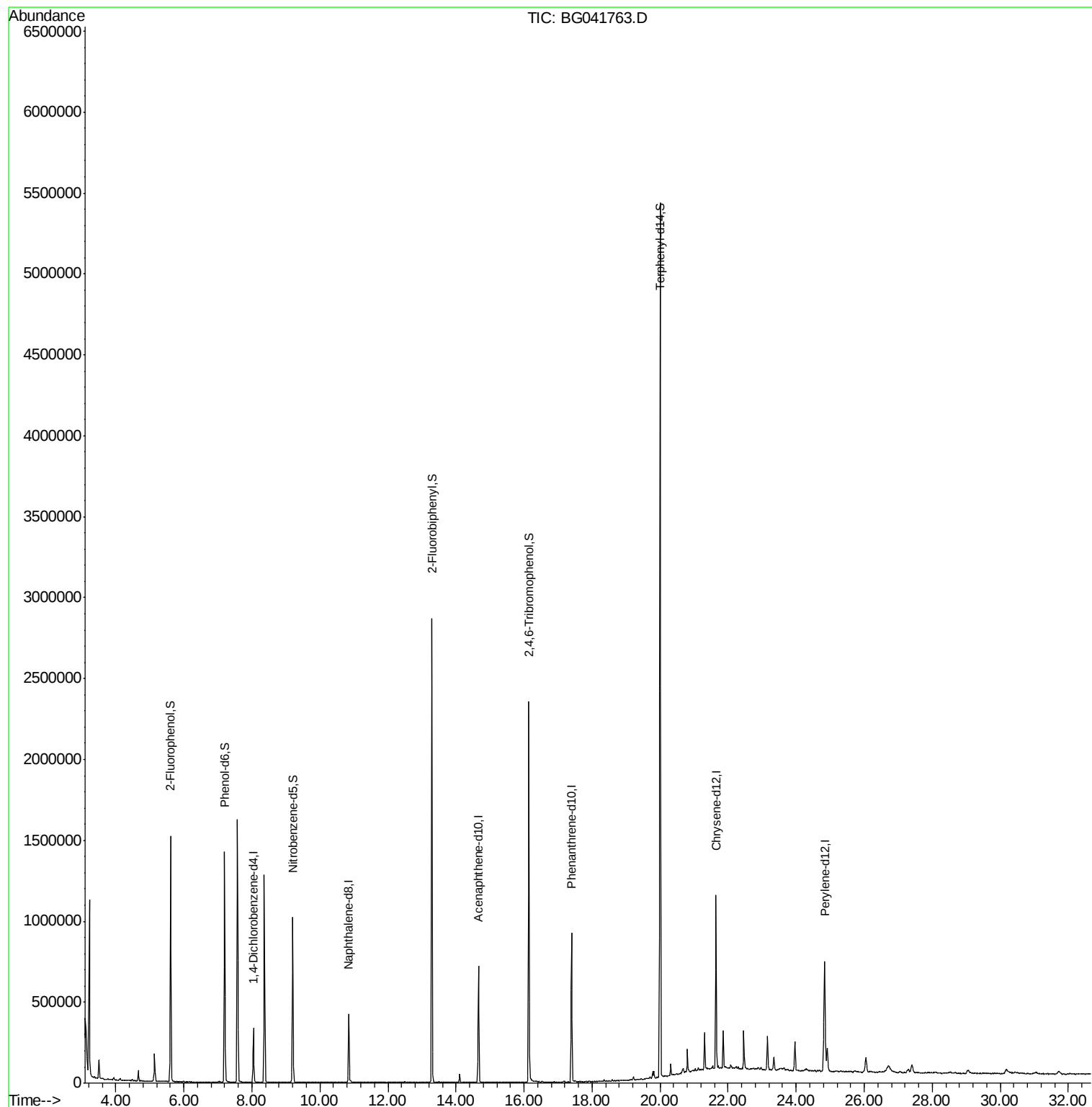
Target Compounds Qvalue

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072319\  
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Sample : K3617-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
NB-07-071919-B

Quant Time: Jul 24 04:18:57 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M  
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QLast Update : Mon Jul 15 16:16:21 2019  
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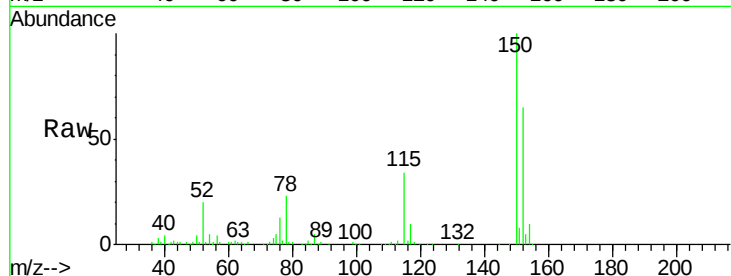


#1

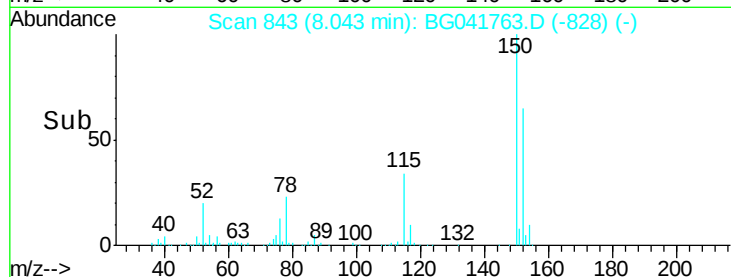
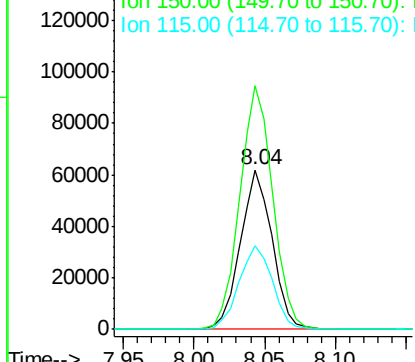
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.04 min Scan# 843  
Delta R.T. -0.01 min  
Lab File: BG041763.D  
Acq: 23 Jul 2019 19:45

Instrument :  
BNA\_G  
ClientSampleId :  
NB-07-071919-B

Tot Ion:152 Resp: 97264  
Ion Ratio Lower Upper  
152 100  
150 152.8 126.9 190.3  
115 52.4 45.0 67.6



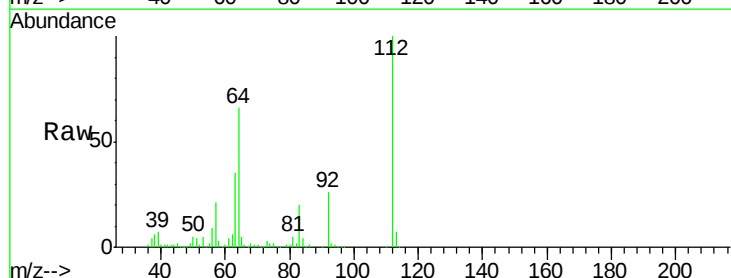
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



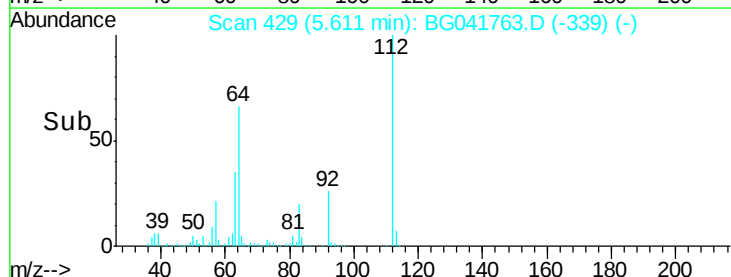
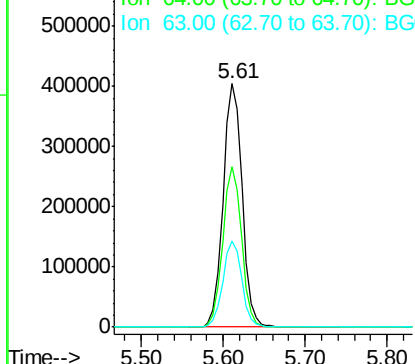
#5

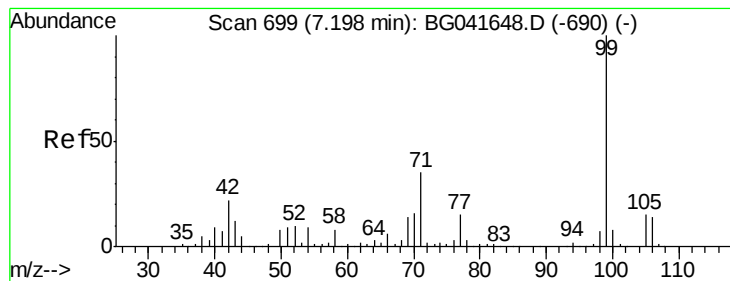
2-Fluorophenol  
Concen: 109.527 ng  
RT: 5.61 min Scan# 429  
Delta R.T. 0.00 min  
Lab File: BG041763.D  
Acq: 23 Jul 2019 19:45

Tgt Ion:112 Resp: 651663  
Ion Ratio Lower Upper  
112 100  
64 65.7 55.4 83.2  
63 35.5 29.1 43.7



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





#7

Phenol-d6

Concen: 103.582 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG041763.D

Acq: 23 Jul 2019 19:45

Instrument :

BNA\_G

ClientSampleId :

NB-07-071919-B

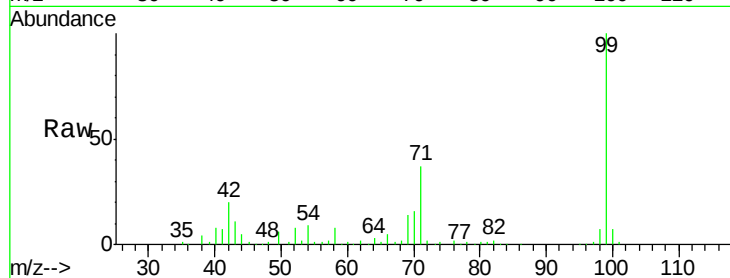
Tot Ion: 99 Resp: 828938

Ion Ratio Lower Upper

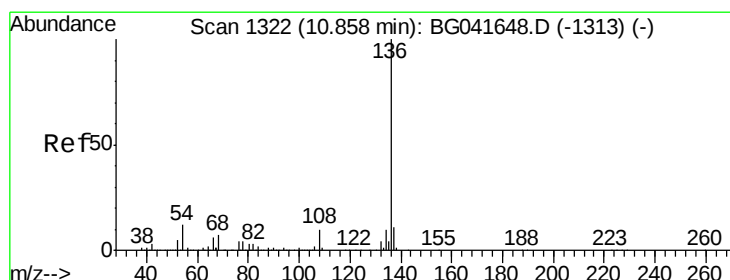
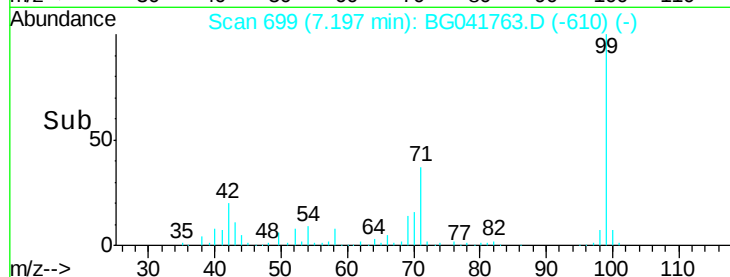
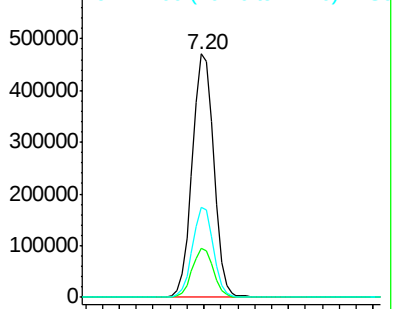
99 100

42 20.3 17.6 26.4

71 37.1 27.8 41.6



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BG041763.D

Acq: 23 Jul 2019 19:45

Tgt Ion: 136 Resp: 374355

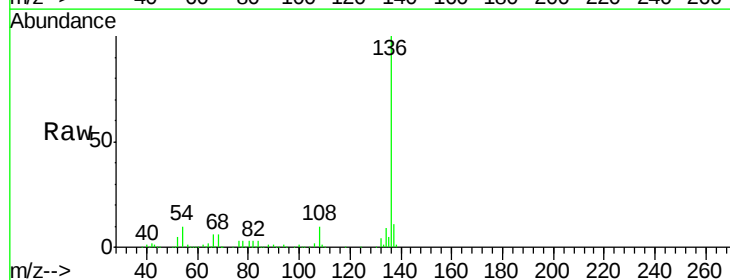
Ion Ratio Lower Upper

136 100

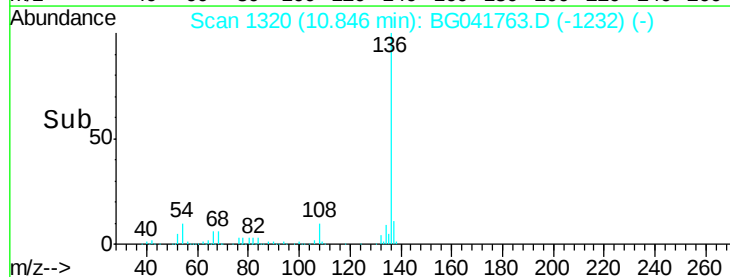
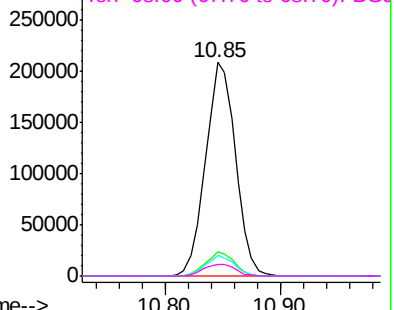
137 11.3 9.2 13.8

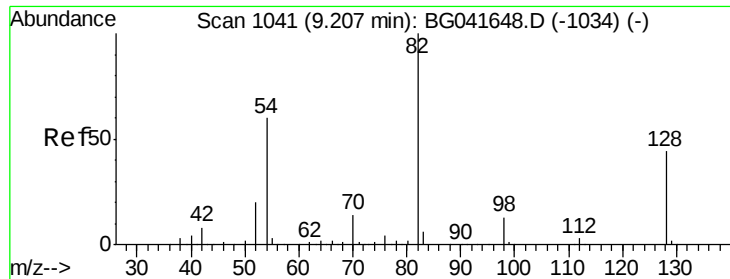
54 9.7 8.7 13.1

68 5.5 5.5 8.3



Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

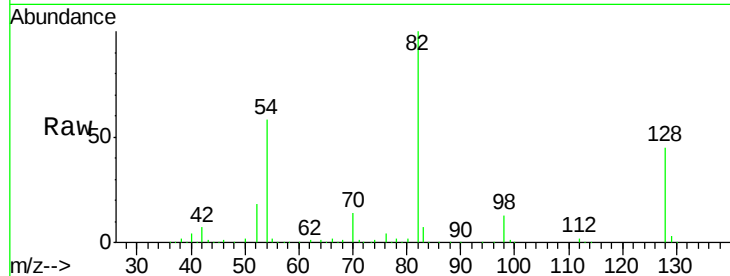




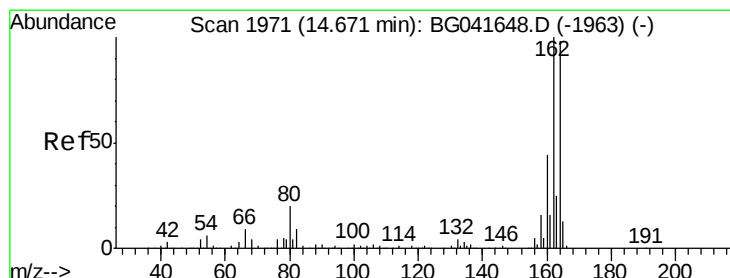
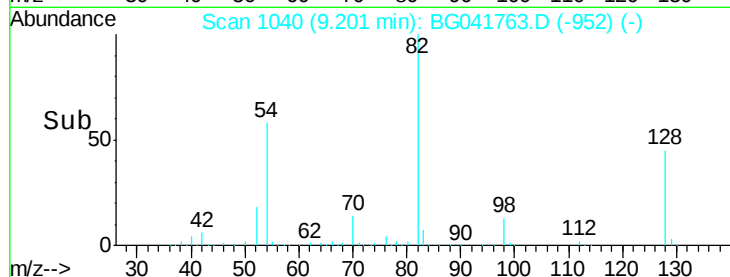
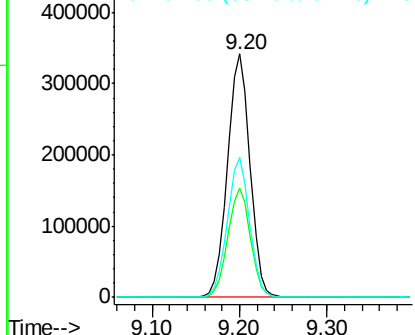
#23  
Nitrobenzene-d5  
Concen: 97.707 ng  
RT: 9.20 min Scan# 1040  
Delta R.T. -0.01 min  
Lab File: BG041763.D  
Acq: 23 Jul 2019 19:45

Instrument :  
BNA\_G  
ClientSampleId :  
NB-07-071919-B

Tot Ion: 82 Resp: 601450  
Ion Ratio Lower Upper  
82 100  
128 45.1 35.1 52.7  
54 57.6 48.7 73.1

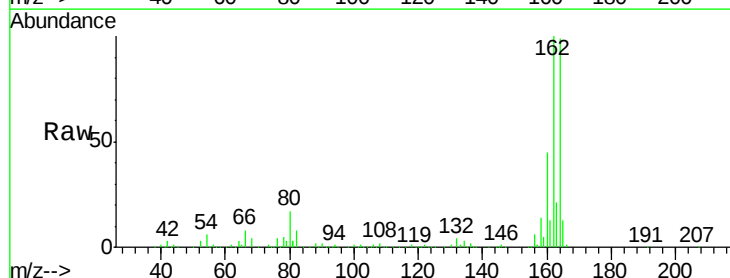


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

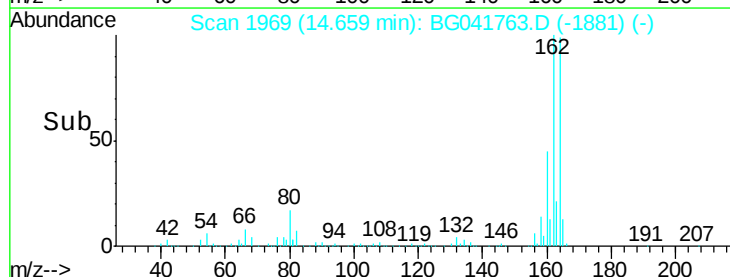
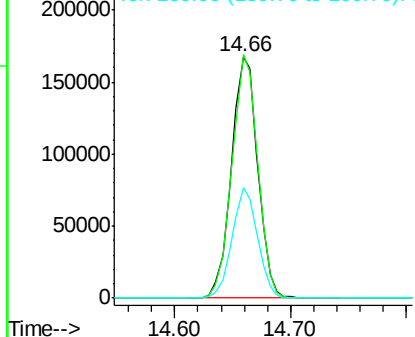


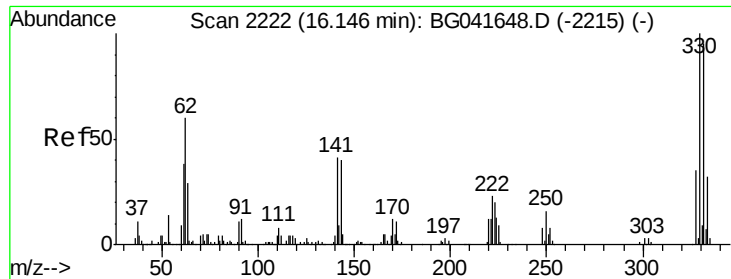
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.66 min Scan# 1969  
Delta R.T. -0.01 min  
Lab File: BG041763.D  
Acq: 23 Jul 2019 19:45

Tgt Ion:164 Resp: 264226  
Ion Ratio Lower Upper  
164 100  
162 100.8 79.6 119.4  
160 45.7 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC  
Ion 162.00 (161.70 to 162.70): BGC  
Ion 160.00 (159.70 to 160.70): BGC

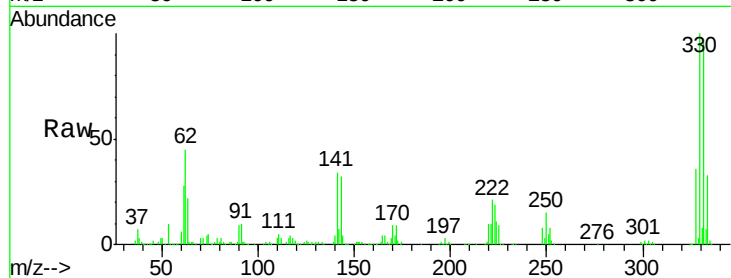




#42  
 2,4,6-Tribromophenol  
 Concen: 159.951 ng  
 RT: 16.14 min Scan# 2221  
 Delta R.T. -0.01 min  
 Lab File: BG041763.D  
 Acq: 23 Jul 2019 19:45

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NB-07-071919-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.2  | 77.4  | 116.0 |
| 141     | 33.7  | 31.9  | 47.9  |

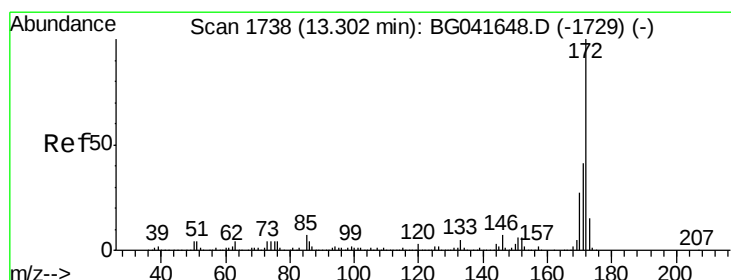
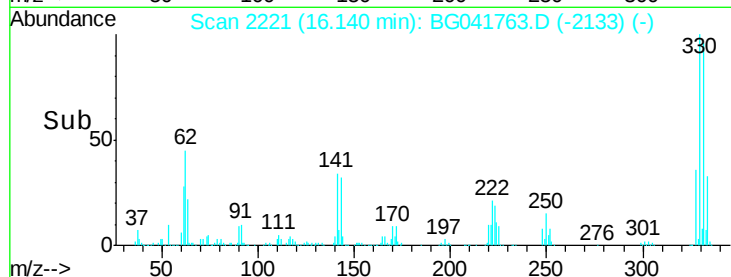
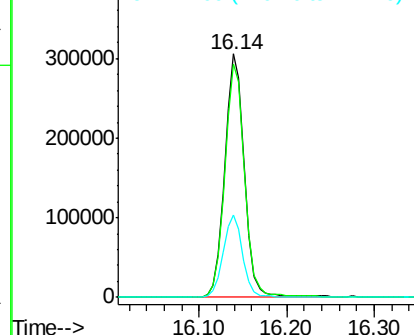


Abundance

Ion 329.80 (329.50 to 330.50): E

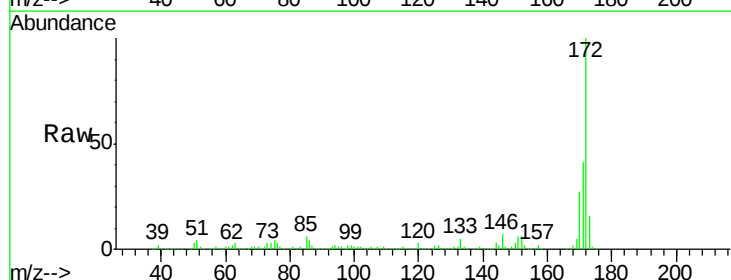
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 88.423 ng  
 RT: 13.29 min Scan# 1736  
 Delta R.T. -0.01 min  
 Lab File: BG041763.D  
 Acq: 23 Jul 2019 19:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 41.3  | 35.0  | 52.4  |
| 170     | 27.1  | 23.5  | 35.3  |

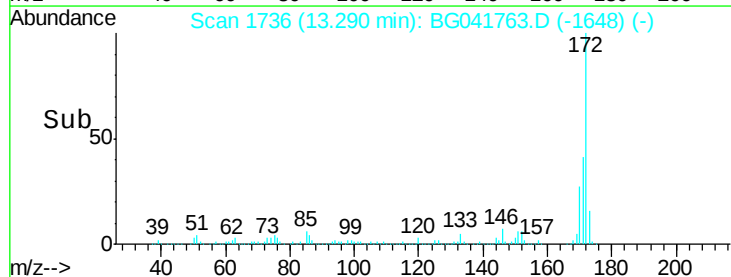
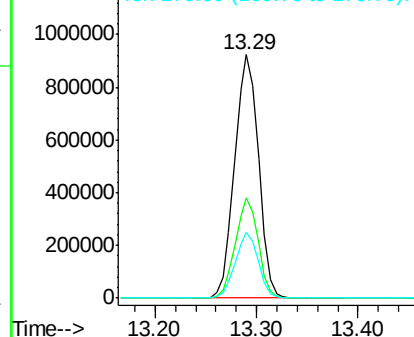


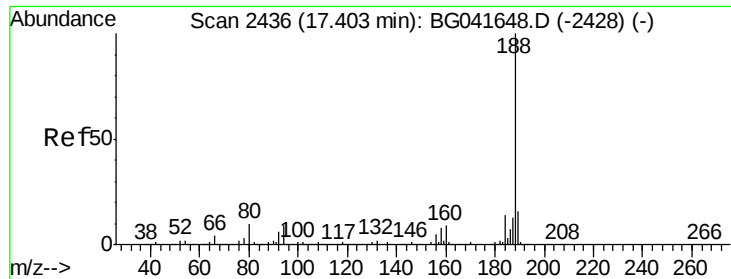
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

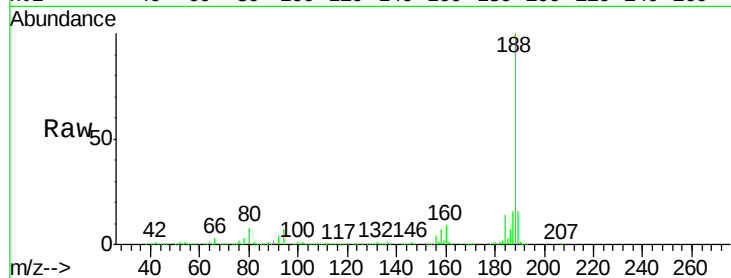




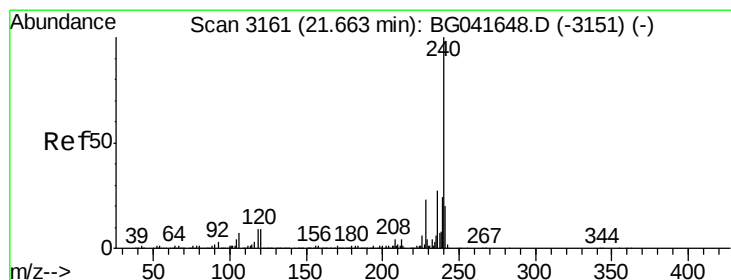
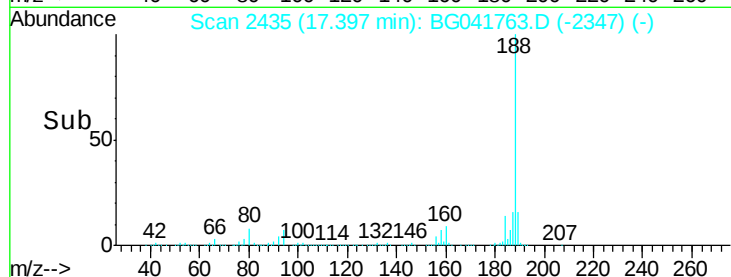
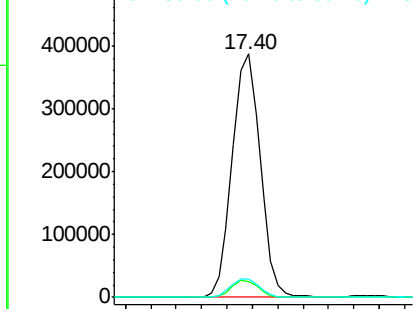
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.40 min Scan# 2435  
Delta R.T. -0.01 min  
Lab File: BG041763.D  
Acq: 23 Jul 2019 19:45

Instrument :  
BNA\_G  
ClientSampleId :  
NB-07-071919-B

Tot Ion:188 Resp: 595489  
Ion Ratio Lower Upper  
188 100  
94 6.7 6.9 10.3#  
80 7.6 8.0 12.0#

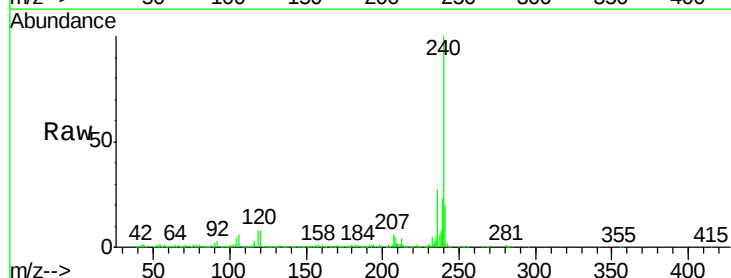


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

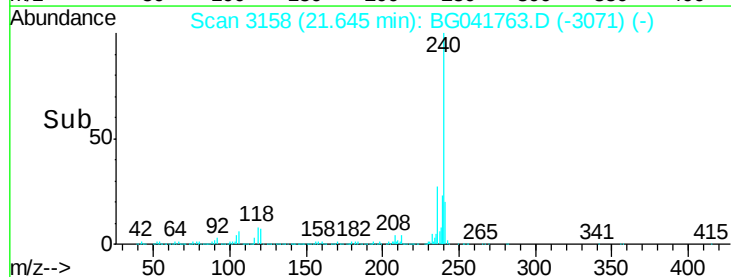
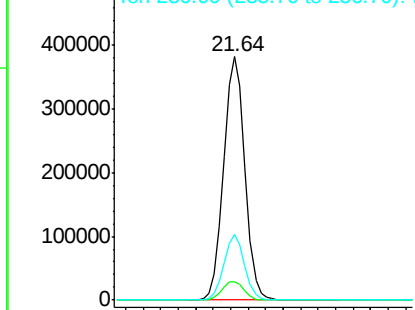


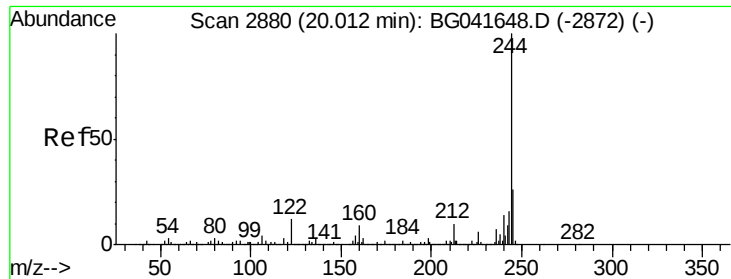
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.64 min Scan# 3158  
Delta R.T. -0.02 min  
Lab File: BG041763.D  
Acq: 23 Jul 2019 19:45

Tgt Ion:240 Resp: 638120  
Ion Ratio Lower Upper  
240 100  
120 7.5 8.0 12.0#  
236 27.1 22.6 33.8



Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 89.164 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BG041763.D

Acq: 23 Jul 2019 19:45

Instrument :

BNA\_G

ClientSampleId :

NB-07-071919-B

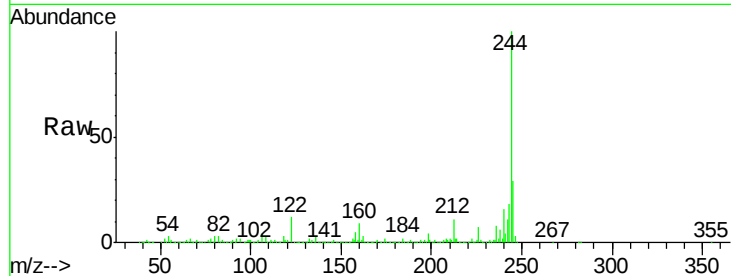
Tot Ion:244 Resp: 2434773

Ion Ratio Lower Upper

244 100

212 10.8 9.7 14.5

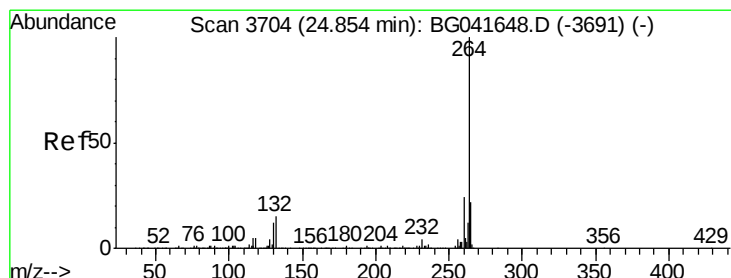
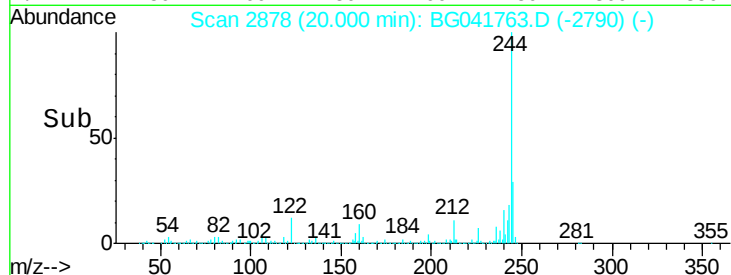
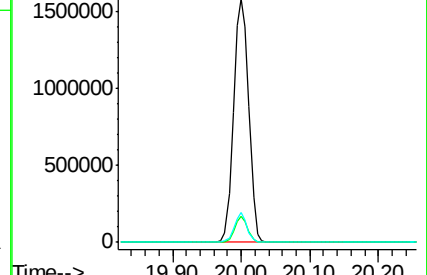
122 12.1 12.5 18.7#



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: 24.84 min Scan# 3701

Delta R.T. -0.03 min

Lab File: BG041763.D

Acq: 23 Jul 2019 19:45

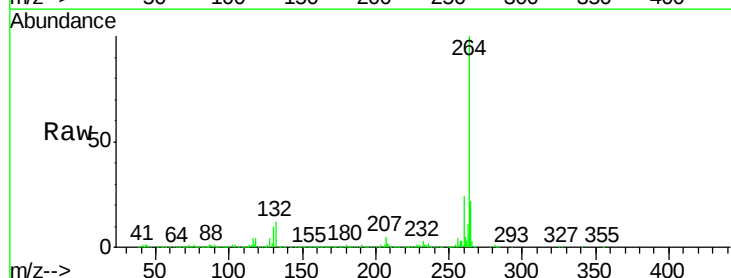
Tgt Ion:264 Resp: 741784

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

265 22.1 18.0 27.0



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

