

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG070217\  
 Data File : BG027816.D  
 Acq On : 2 Jul 2017 13:15  
 Operator : SJ/JU  
 Sample : I3979-10  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP4-MH2096-COMP

Quant Time: Jul 03 08:06:17 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG062817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 28 19:26:37 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.47  | 152  | 25808    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.29 | 136  | 121562   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.06 | 164  | 74336    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.81 | 188  | 207651   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.17 | 240  | 201551   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.79 | 264  | 99226    | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.06  | 112  | 229349   | 136.85 | ng    | 0.00     |
| 7) Phenol-d6                | 7.62  | 99   | 284541   | 111.13 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.64  | 82   | 204561   | 93.80  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.55 | 330  | 197663   | 193.86 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.69 | 172  | 552437   | 106.14 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.39 | 244  | 1026495  | 119.40 | ng    | 0.00     |

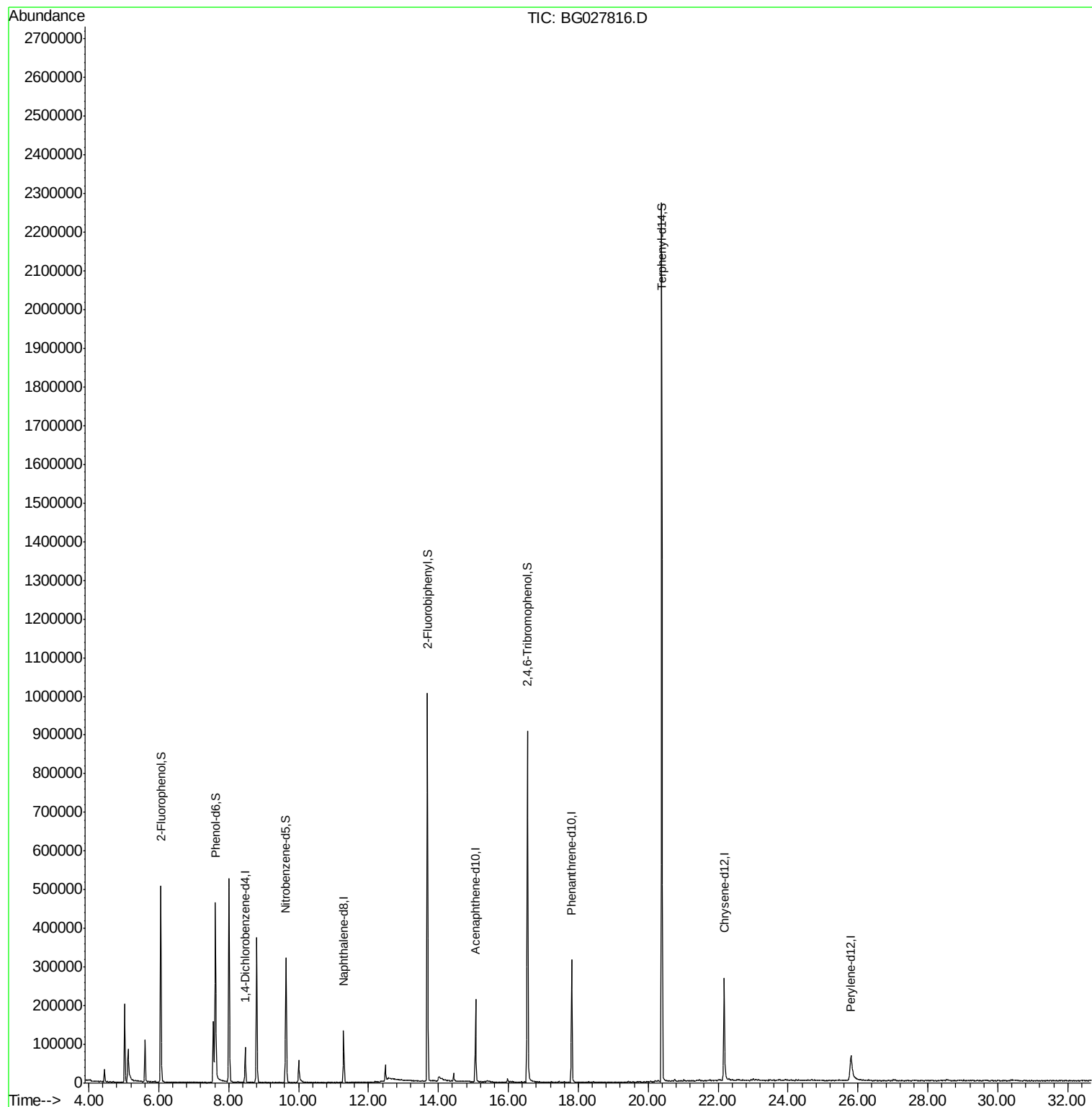
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

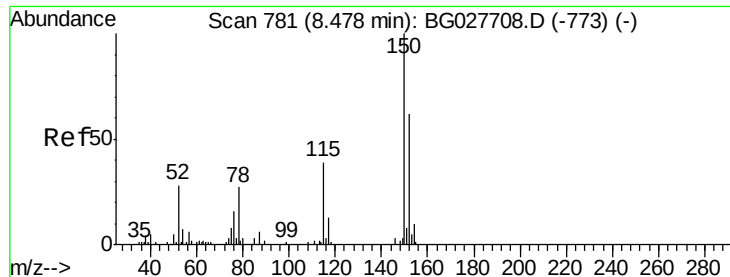
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 28 19:26:37 2017  
Response via : Initial Calibration



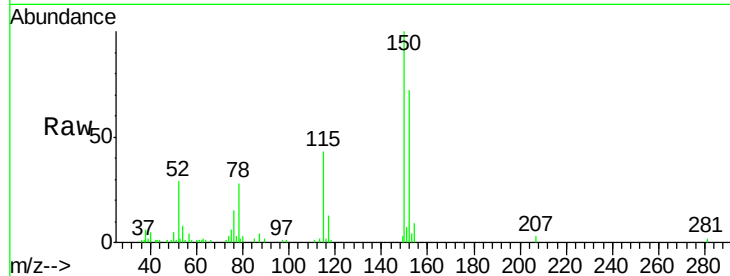


#1

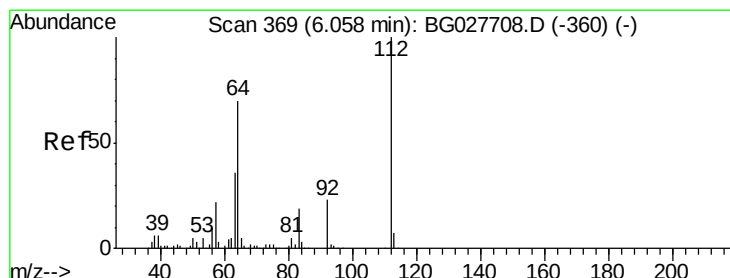
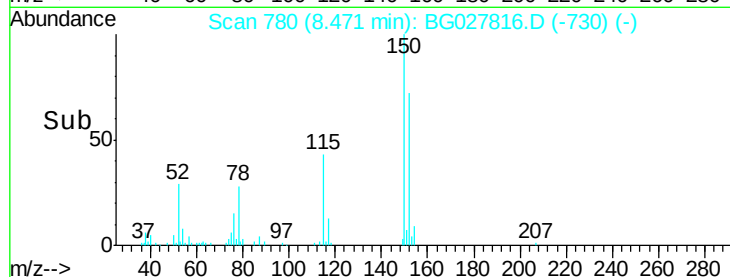
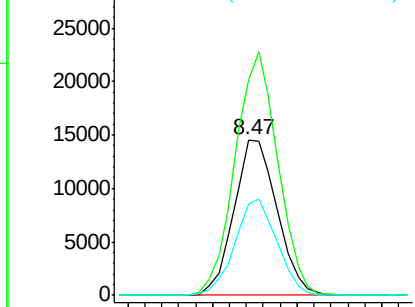
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.47 min Scan# 780  
 Delta R.T. -0.01 min  
 Lab File: BG027816.D  
 Acq: 2 Jul 2017 13:15

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP4-MH2096-COMP

Tgt Ion:152 Resp: 25808  
 Ion Ratio Lower Upper  
 152 100  
 150 138.0 114.0 171.0  
 115 58.8 48.1 72.1



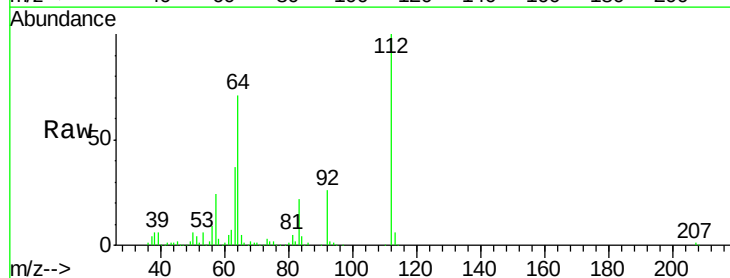
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



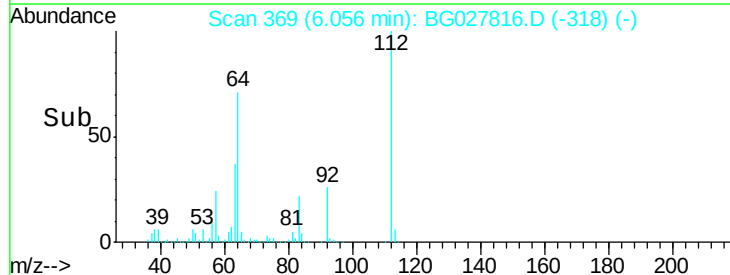
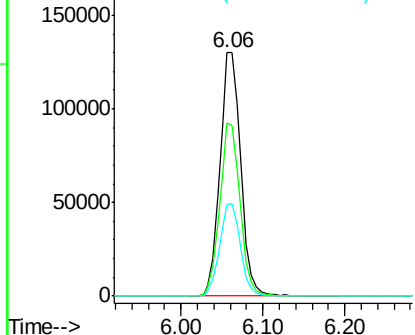
#5

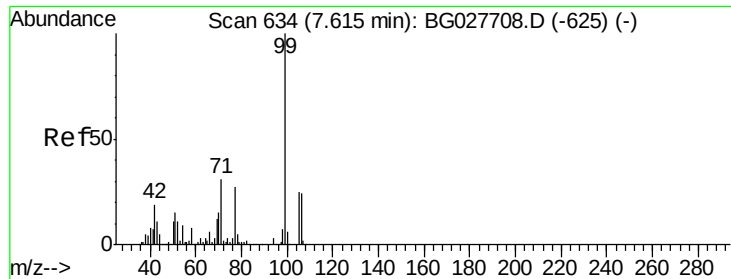
2-Fluorophenol  
 Concen: 136.848 ng  
 RT: 6.06 min Scan# 369  
 Delta R.T. -0.00 min  
 Lab File: BG027816.D  
 Acq: 2 Jul 2017 13:15

Tgt Ion:112 Resp: 229349  
 Ion Ratio Lower Upper  
 112 100  
 64 71.1 61.8 92.6  
 63 37.3 37.2 55.8



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: 111.135 ng

RT: 7.62 min Scan# 635

Delta R.T. 0.00 min

Lab File: BG027816.D

Acq: 2 Jul 2017 13:15

Instrument :

BNA\_G

ClientSampleId :

TP4-MH2096-COMP

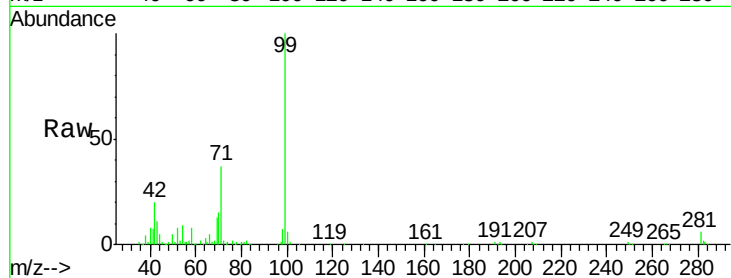
Tgt Ion: 99 Resp: 284541

Ion Ratio Lower Upper

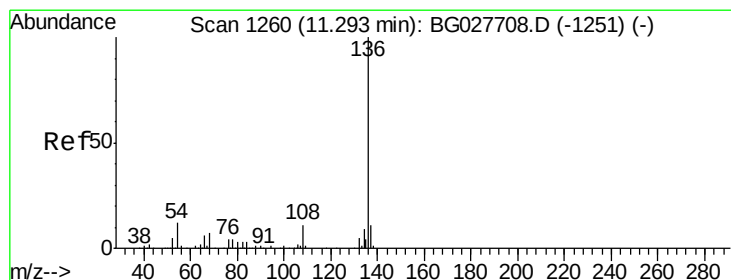
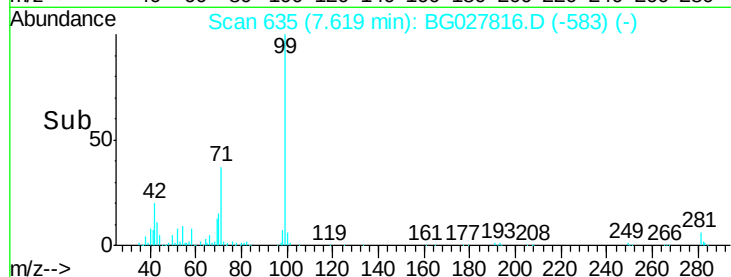
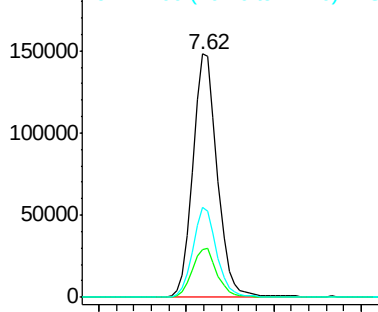
99 100

42 19.8 20.5 30.7#

71 37.0 37.6 56.4#



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: 11.29 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BG027816.D

Acq: 2 Jul 2017 13:15

Tgt Ion: 136 Resp: 121562

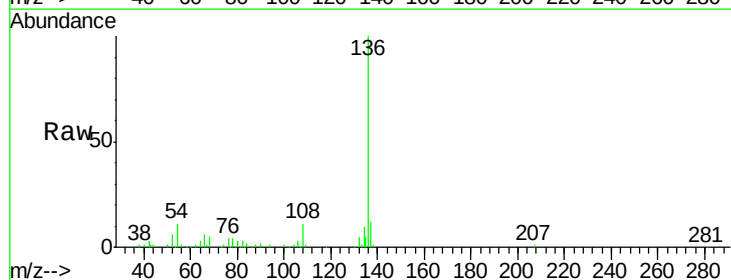
Ion Ratio Lower Upper

136 100

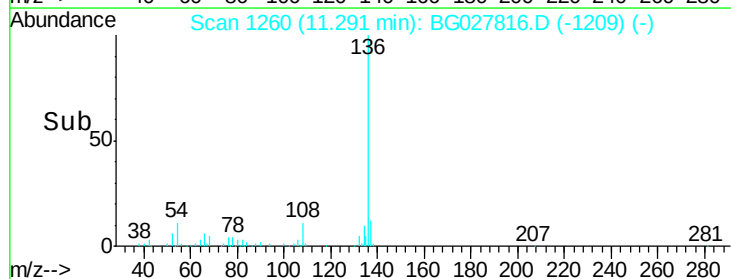
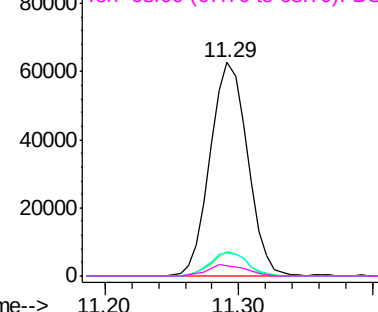
137 11.7 8.9 13.3

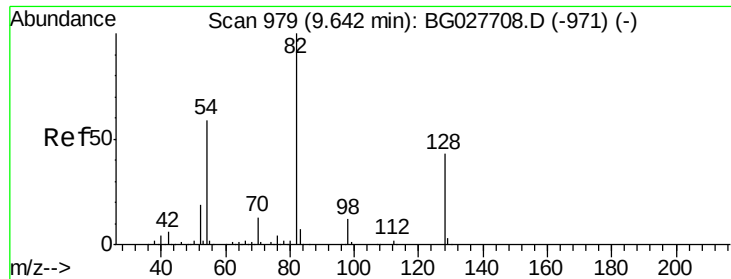
54 11.1 9.3 13.9

68 4.8 5.1 7.7#



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

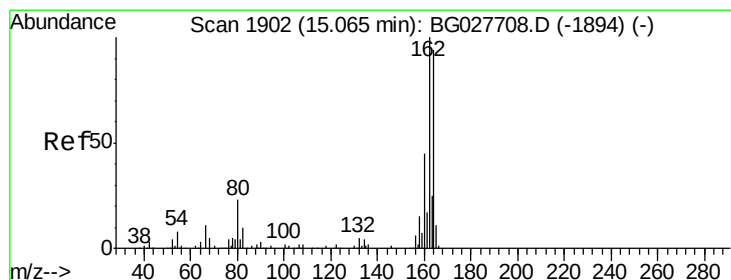
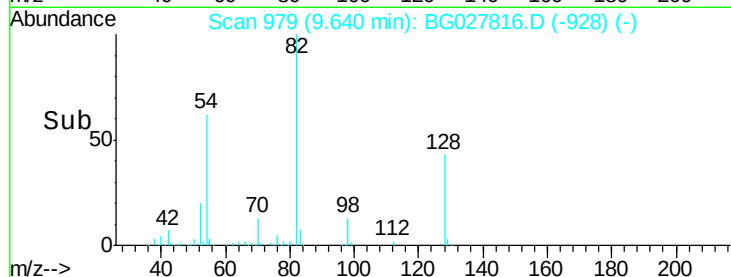
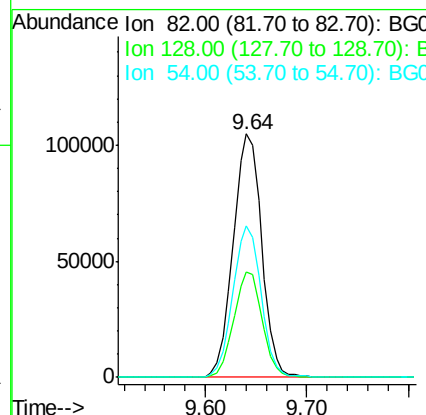
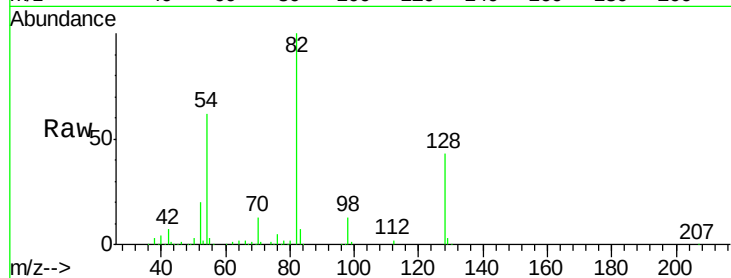




#23  
 Nitrobenzene-d5  
 Concen: 93.799 ng  
 RT: 9.64 min Scan# 979  
 Delta R.T. -0.00 min  
 Lab File: BG027816.D  
 Acq: 2 Jul 2017 13:15

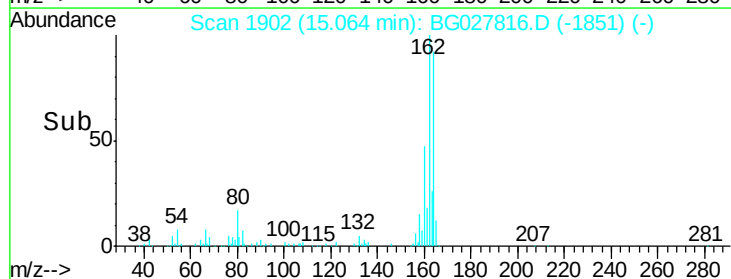
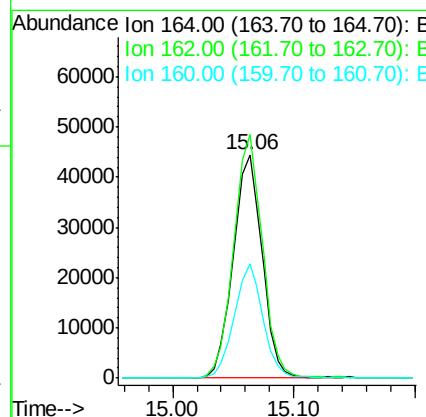
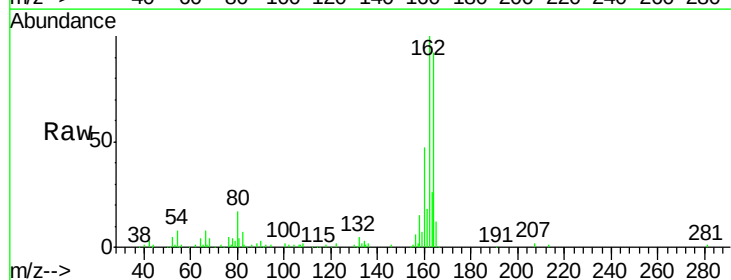
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP4-MH2096-COMP

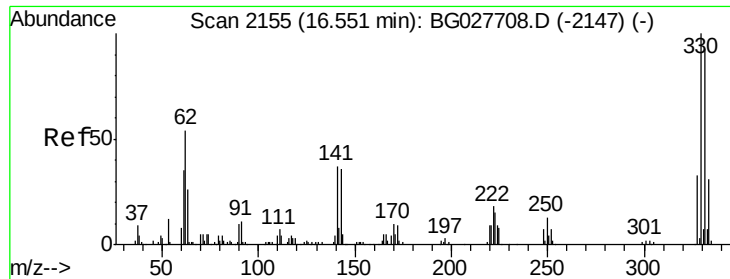
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 43.1  | 26.4  | 39.6  |
| 54      | 62.5  | 49.4  | 74.2  |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.06 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: BG027816.D  
 Acq: 2 Jul 2017 13:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 109.0 | 85.1  | 127.7 |
| 160     | 51.2  | 34.7  | 52.1  |

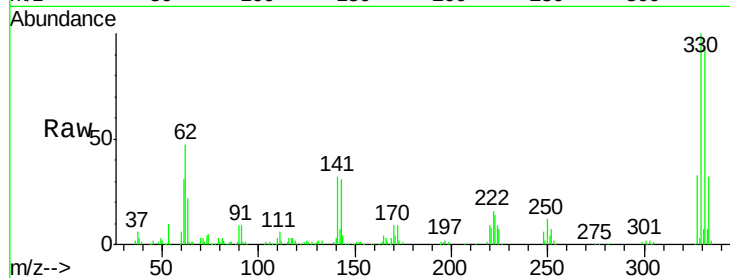




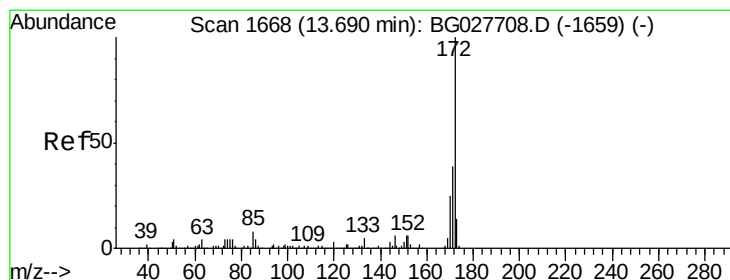
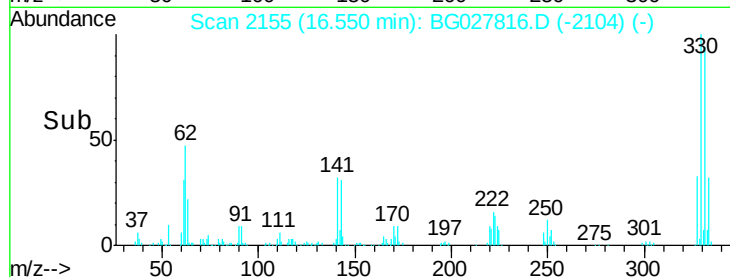
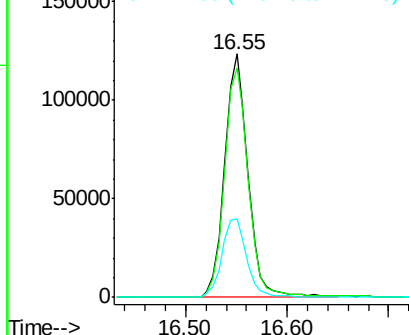
#41  
 2,4,6-Tribromophenol  
 Concen: 193.863 ng  
 RT: 16.55 min Scan# 2155  
 Delta R.T. -0.00 min  
 Lab File: BG027816.D  
 Acq: 2 Jul 2017 13:15

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP4-MH2096-COMP

Tgt Ion:330 Resp: 197663  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 77.3 115.9  
 141 34.7 32.1 48.1

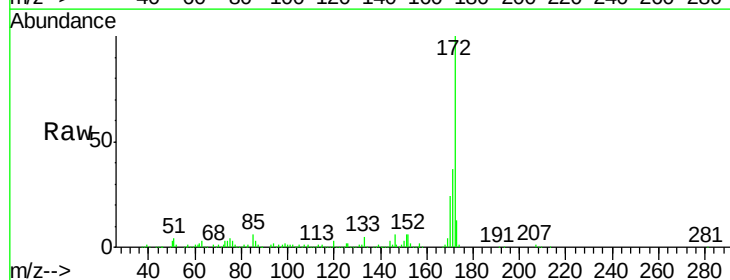


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

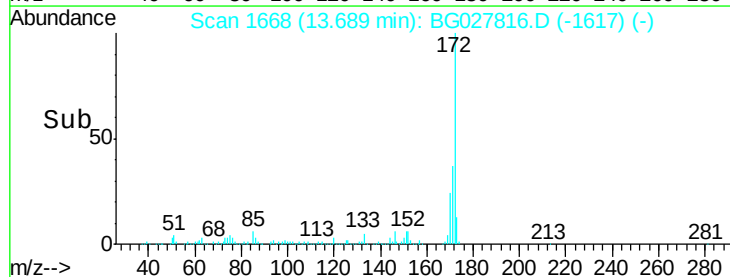
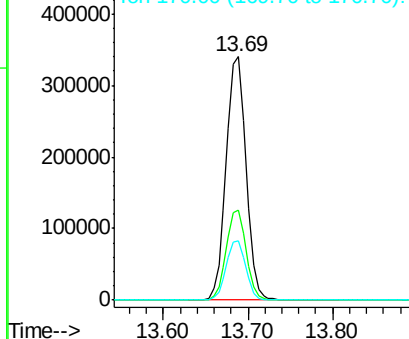


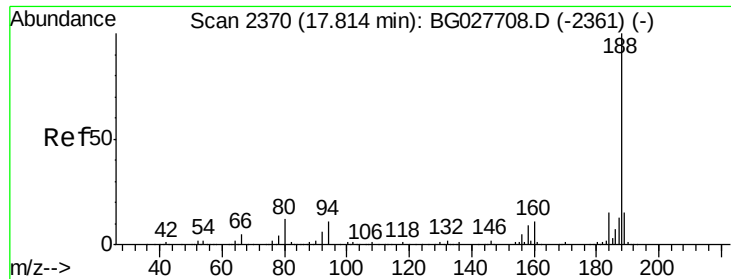
#44  
 2-Fluorobiphenyl  
 Concen: 106.136 ng  
 RT: 13.69 min Scan# 1668  
 Delta R.T. -0.00 min  
 Lab File: BG027816.D  
 Acq: 2 Jul 2017 13:15

Tgt Ion:172 Resp: 552437  
 Ion Ratio Lower Upper  
 172 100  
 171 37.1 32.2 48.2  
 170 24.2 21.8 32.6



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

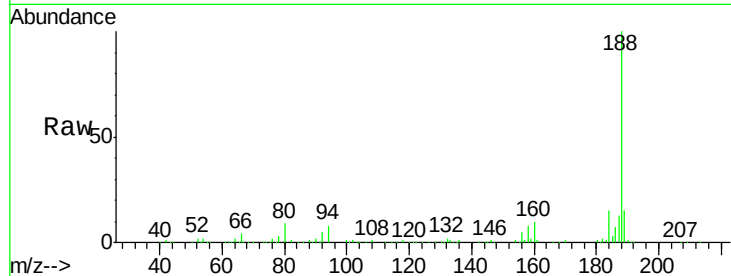




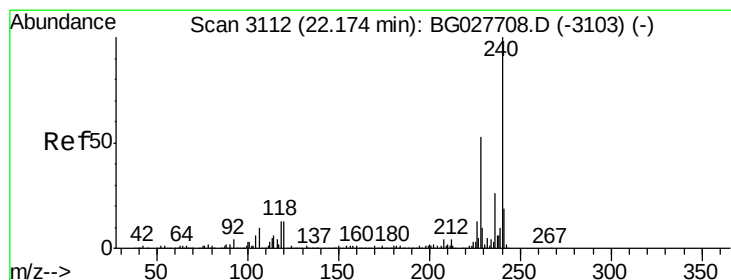
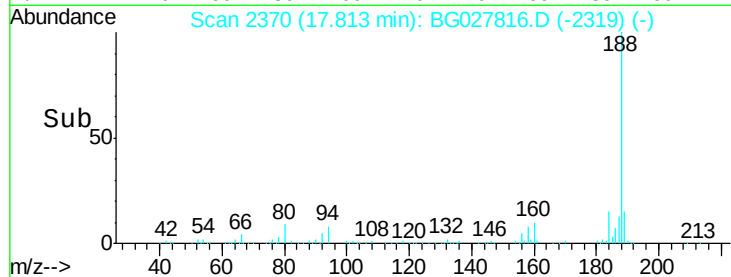
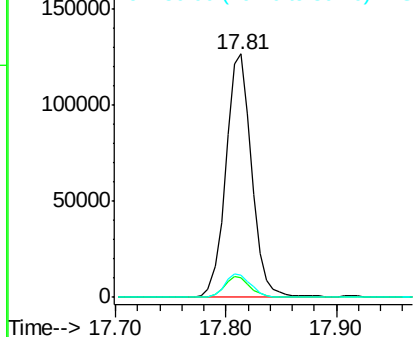
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.81 min Scan# 2370  
Delta R.T. -0.00 min  
Lab File: BG027816.D  
Acq: 2 Jul 2017 13:15

Instrument :  
BNA\_G  
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Tgt Ion:188 Resp: 207651  
Ion Ratio Lower Upper  
188 100  
94 8.3 5.8 8.8  
80 9.2 7.5 11.3

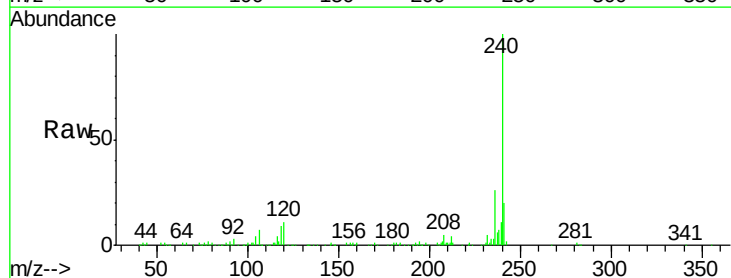


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

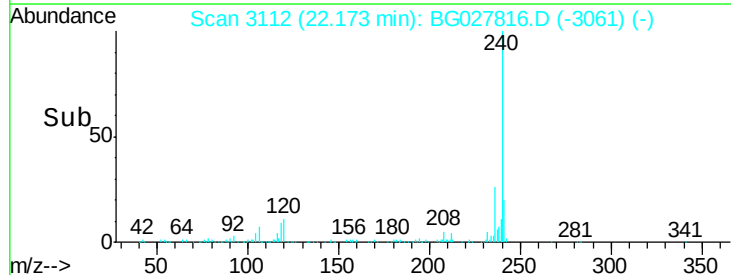
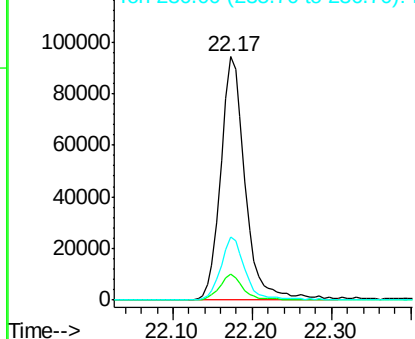


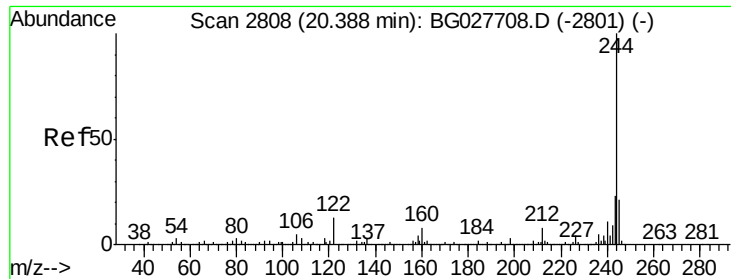
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.17 min Scan# 3112  
Delta R.T. -0.00 min  
Lab File: BG027816.D  
Acq: 2 Jul 2017 13:15

Tgt Ion:240 Resp: 201551  
Ion Ratio Lower Upper  
240 100  
120 11.0 5.7 8.5#  
236 26.1 22.2 33.4



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





#78

Terphenyl-d14

Concen: 119.398 ng

RT: 20.39 min Scan# 2809

Delta R.T. 0.00 min

Lab File: BG027816.D

Acq: 2 Jul 2017 13:15

Instrument :

BNA\_G

ClientSampleId :

TP4-MH2096-COMP

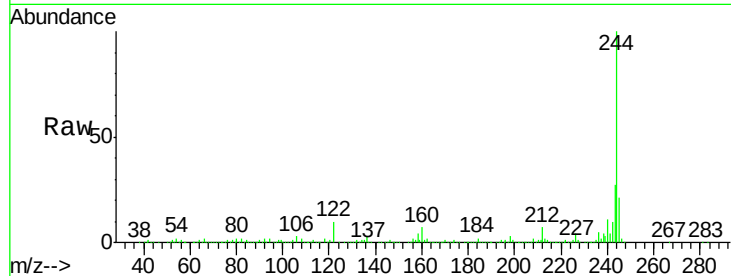
Tgt Ion:244 Resp: 1026495

Ion Ratio Lower Upper

244 100

212 7.5 10.0 15.0#

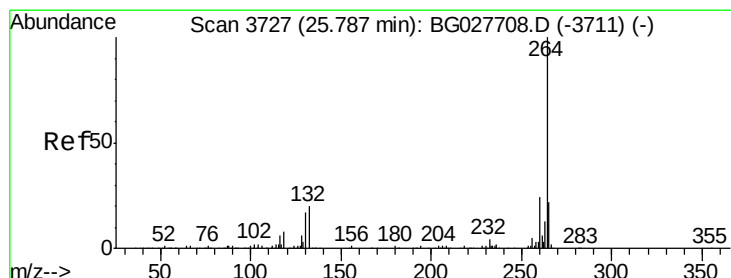
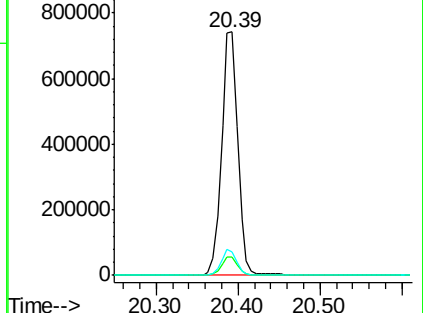
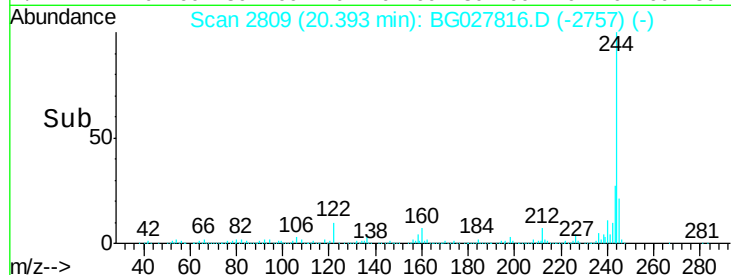
122 9.8 8.6 12.8



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.79 min Scan# 3728

Delta R.T. 0.00 min

Lab File: BG027816.D

Acq: 2 Jul 2017 13:15

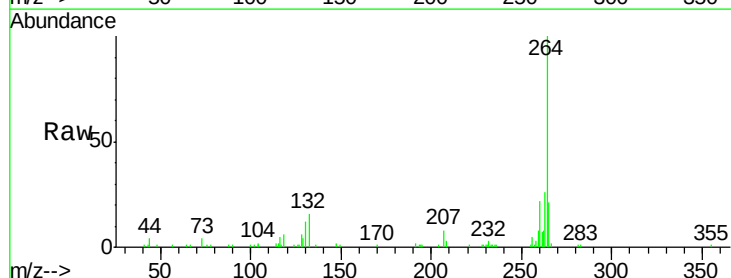
Tgt Ion:264 Resp: 99226

Ion Ratio Lower Upper

264 100

260 22.0 21.8 32.8

265 20.7 18.2 27.4



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

