

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012518\  
 Data File : BG032304.D  
 Acq On : 25 Jan 2018 21:47  
 Operator : SJ/JU  
 Sample : J1306-16  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC4

Quant Time: Jan 26 02:22:58 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 24 14:02:41 2018  
 Response via : Initial Calibration

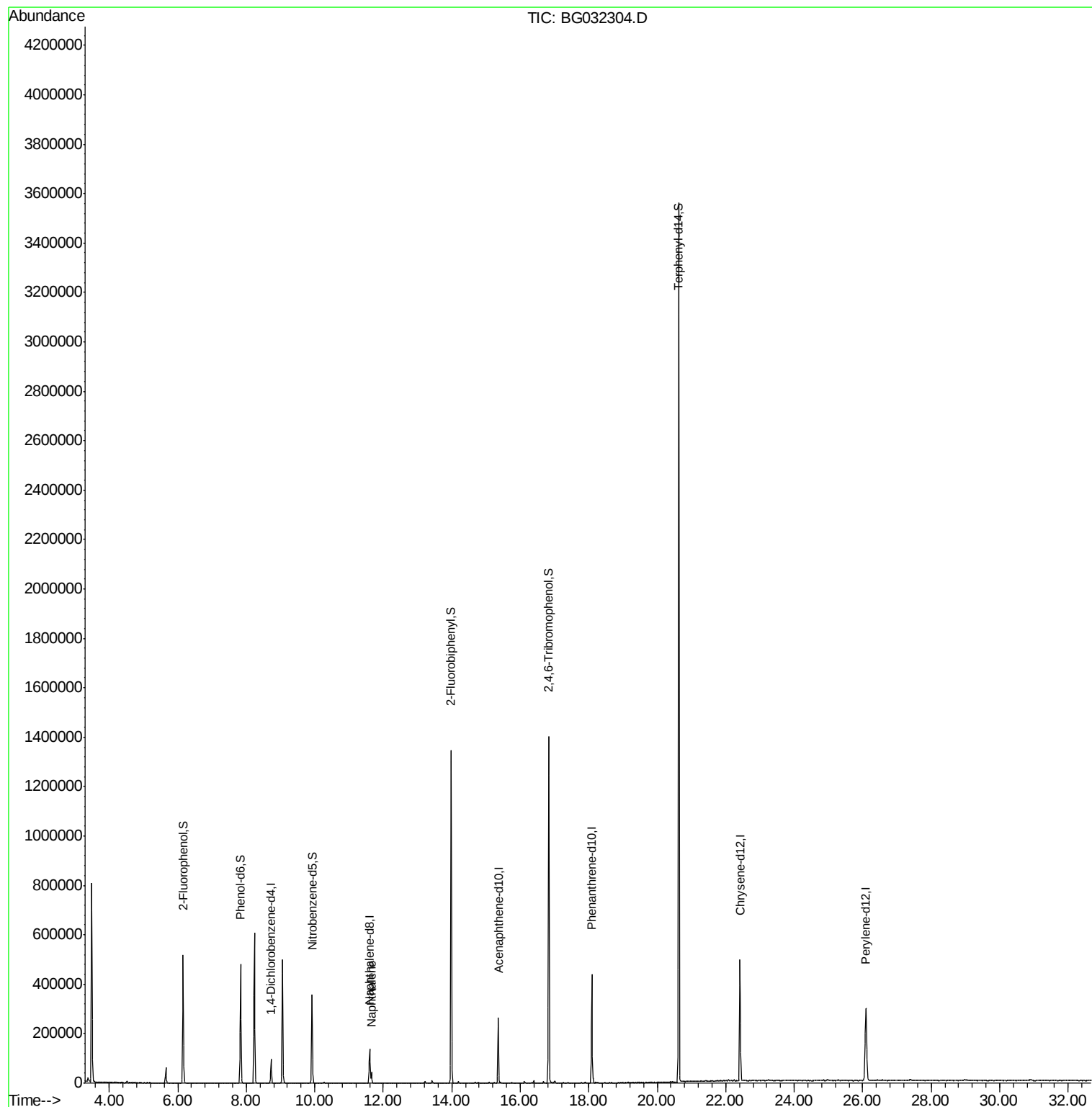
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.72  | 152  | 31945    | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 11.60 | 136  | 128472   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 15.36 | 164  | 99006    | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 18.09 | 188  | 301233   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 22.41 | 240  | 375472   | 20.00  | ng    | -0.01     |
| 86) Perylene-d12            | 26.10 | 264  | 405508   | 20.00  | ng    | -0.01     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 6.16  | 112  | 253428   | 145.09 | ng    | 0.00      |
| 7) Phenol-d6                | 7.84  | 99   | 287145   | 130.53 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 9.92  | 82   | 223697   | 117.80 | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 16.83 | 330  | 313026   | 191.07 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 13.98 | 172  | 798995   | 100.07 | ng    | 0.00      |
| 78) Terphenyl-d14           | 20.63 | 244  | 1811300  | 106.52 | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 31) Naphthalene             | 11.65 | 128  | 42593    | 6.693  | ng    | Qvalue 99 |

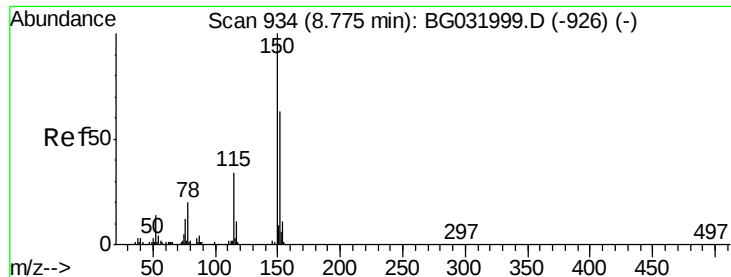
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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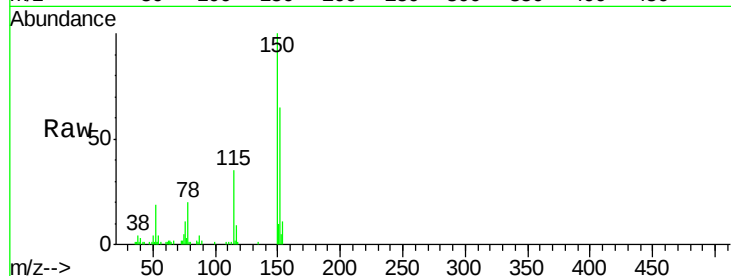


#1

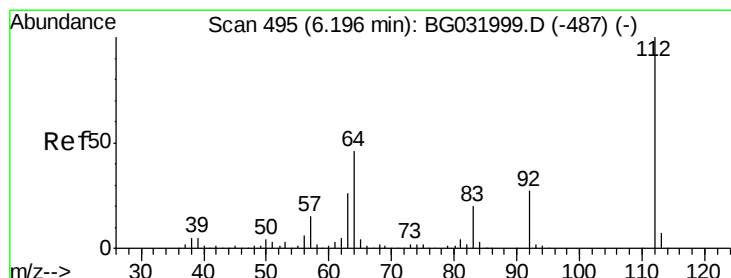
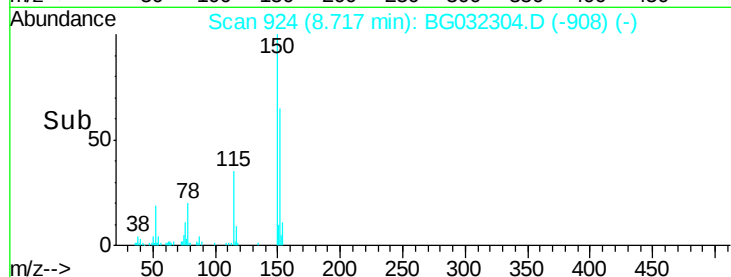
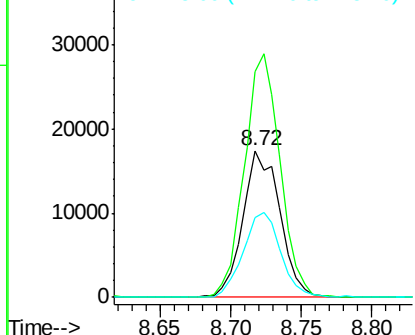
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.72 min Scan# 924  
 Delta R.T. -0.01 min  
 Lab File: BG032304.D  
 Acq: 25 Jan 2018 21:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.4 | 126.6 | 189.8 |
| 115     | 54.2  | 53.0  | 79.4  |



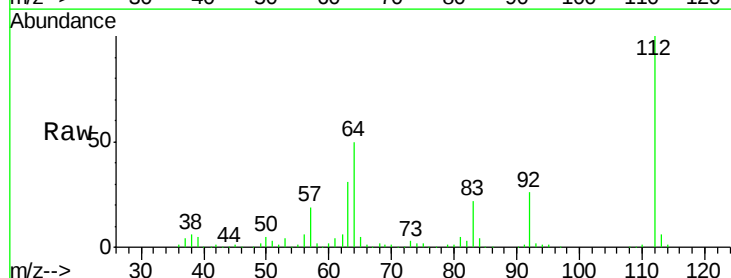
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



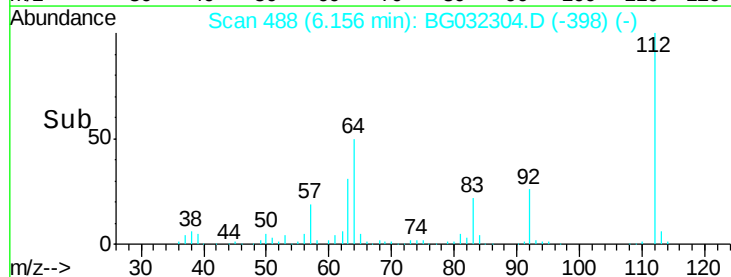
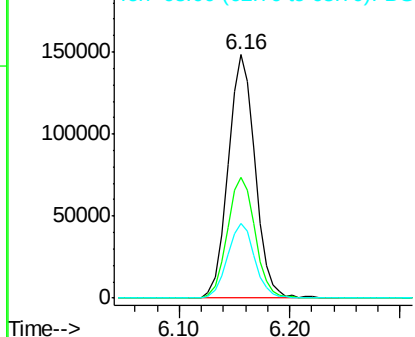
#5

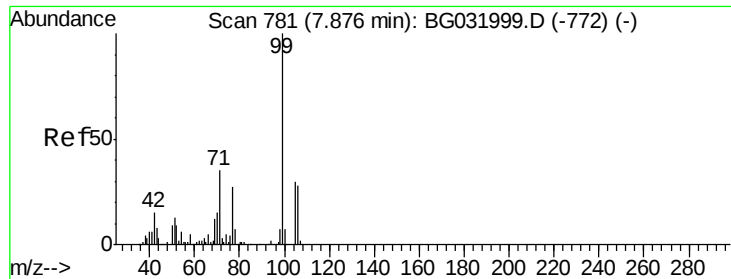
2-Fluorophenol  
 Concen: 145.094 ng  
 RT: 6.16 min Scan# 488  
 Delta R.T. -0.00 min  
 Lab File: BG032304.D  
 Acq: 25 Jan 2018 21:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 49.6  | 56.3  | 84.5# |
| 63      | 30.9  | 30.1  | 45.1  |



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





#7

Phenol-d6

Concen: 130.533 ng

RT: 7.84 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG032304.D

Acq: 25 Jan 2018 21:47

Instrument :

BNA\_G

ClientSampleId :

WC4

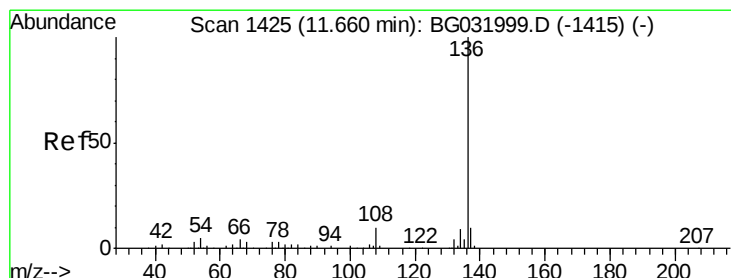
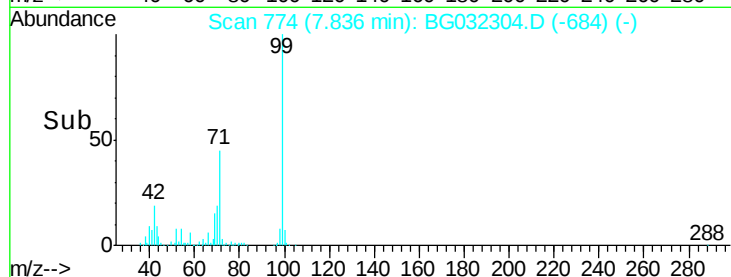
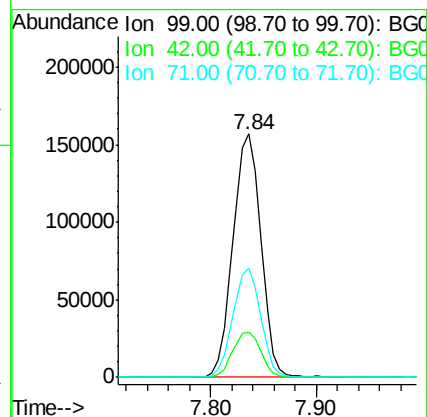
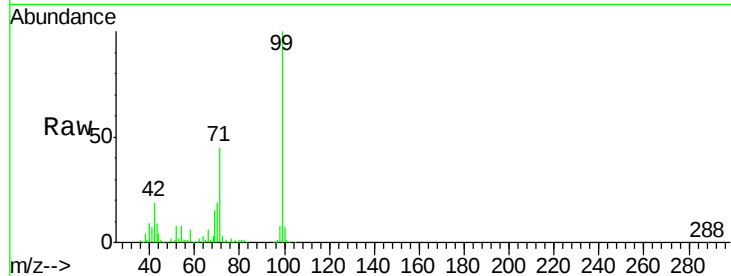
Tot Ion: 99 Resp: 287145

Ion Ratio Lower Upper

99 100

42 18.5 14.1 21.1

71 44.7 26.1 39.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.60 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BG032304.D

Acq: 25 Jan 2018 21:47

Tgt Ion: 136 Resp: 128472

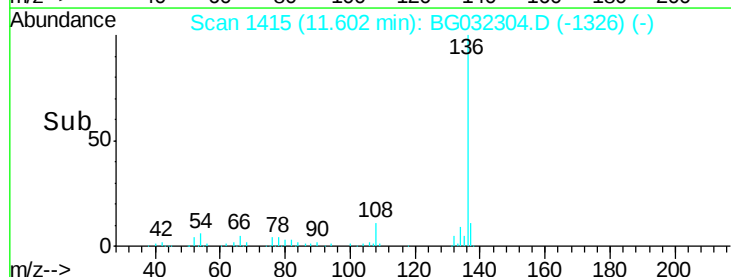
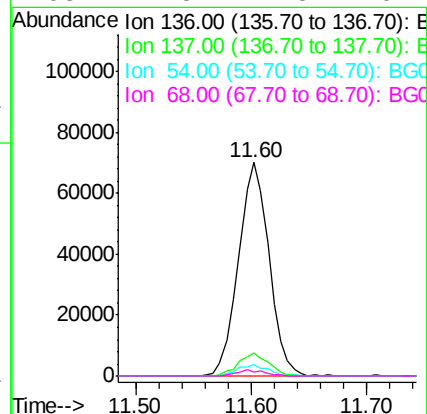
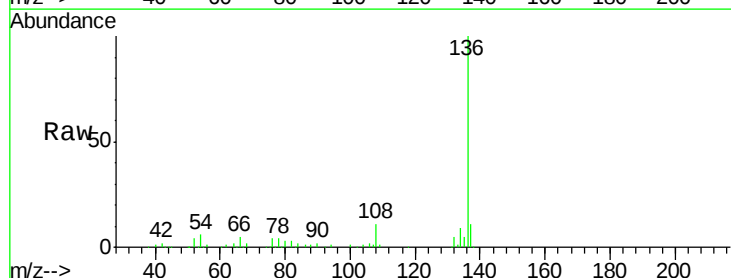
Ion Ratio Lower Upper

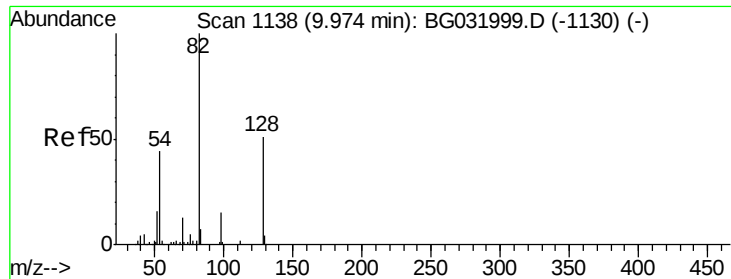
136 100

137 10.8 9.2 13.8

54 5.6 10.3 15.5#

68 1.8 4.5 6.7#

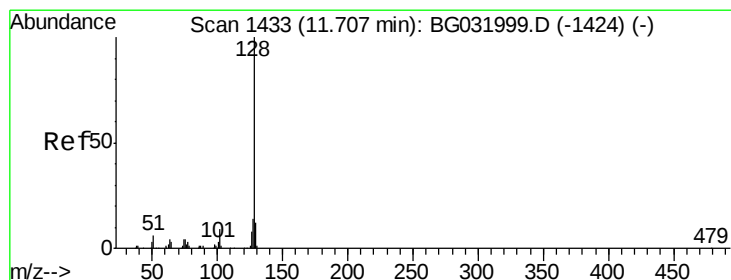
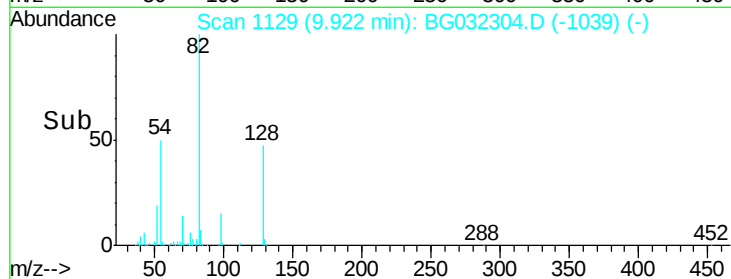
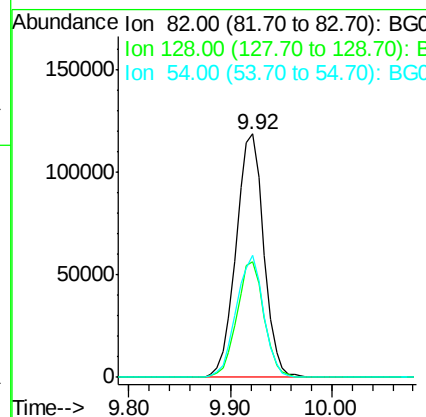
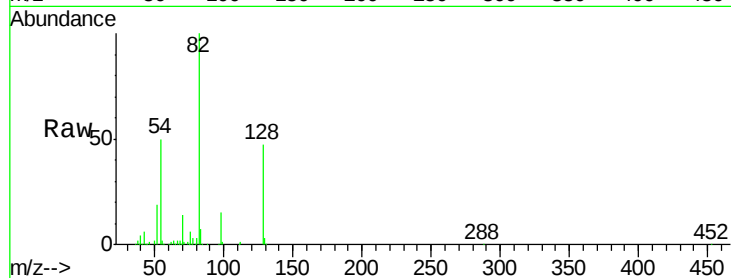




#23  
Nitrobenzene-d5  
Concen: 117.800 ng  
RT: 9.92 min Scan# 1129  
Delta R.T. -0.00 min  
Lab File: BG032304.D  
Acq: 25 Jan 2018 21:47

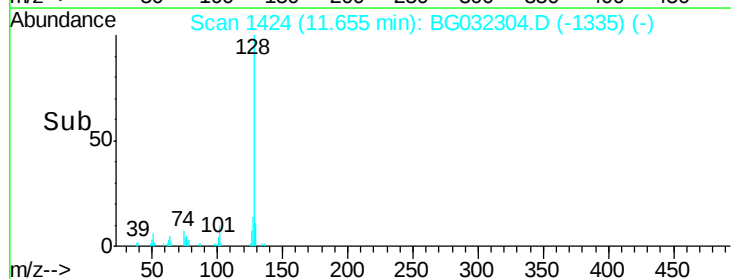
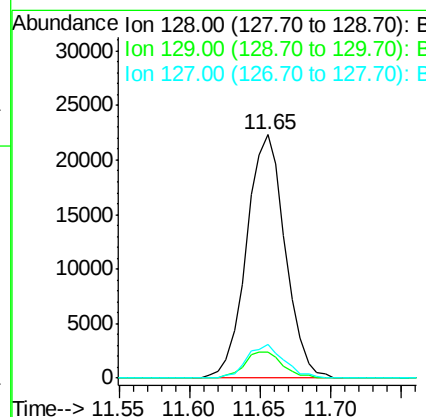
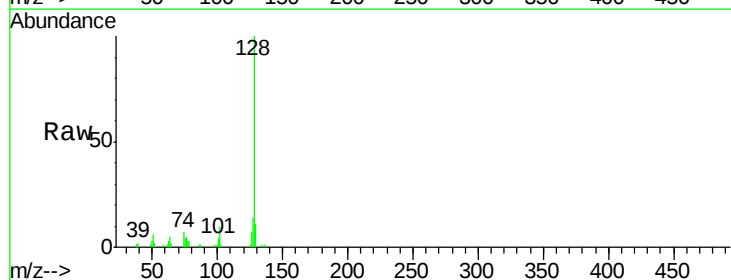
Instrument :  
BNA\_G  
ClientSampleId :  
WC4

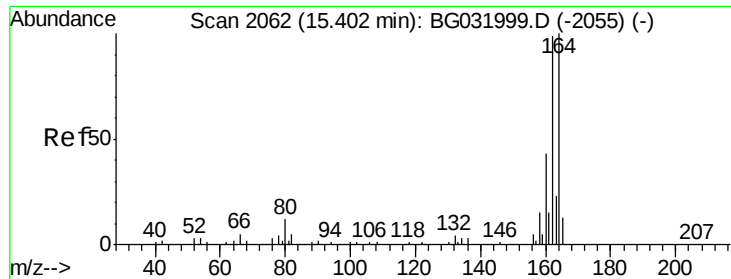
Tot Ion: 82 Resp: 223697  
Ion Ratio Lower Upper  
82 100  
128 47.5 29.7 44.5#  
54 50.2 43.1 64.7



#31  
Naphthalene  
Concen: 6.693 ng  
RT: 11.65 min Scan# 1424  
Delta R.T. -0.01 min  
Lab File: BG032304.D  
Acq: 25 Jan 2018 21:47

Tgt Ion: 128 Resp: 42593  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.6 12.8  
127 14.0 11.6 17.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032304.D

Acq: 25 Jan 2018 21:47

Instrument :

BNA\_G

ClientSampleId :

WC4

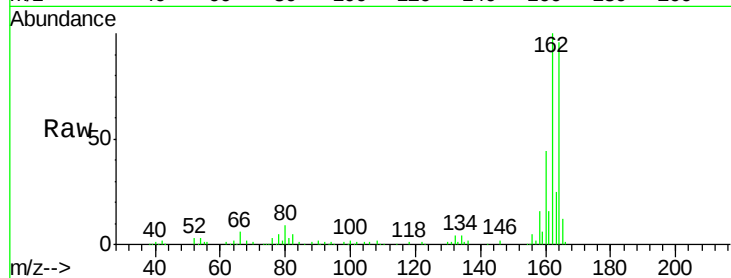
Tot Ion:164 Resp: 99006

Ion Ratio Lower Upper

164 100

162 103.9 78.8 118.2

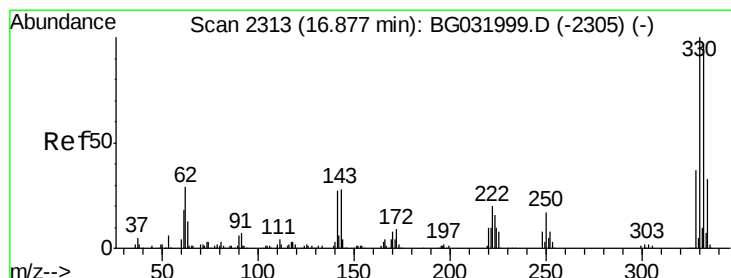
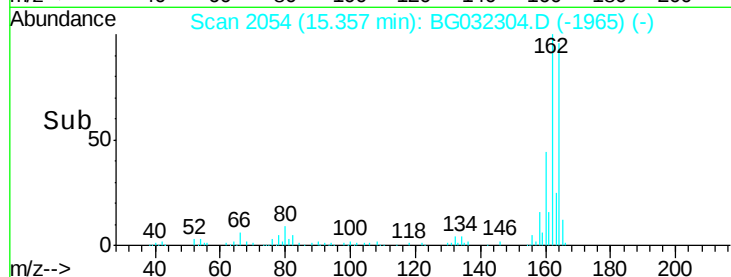
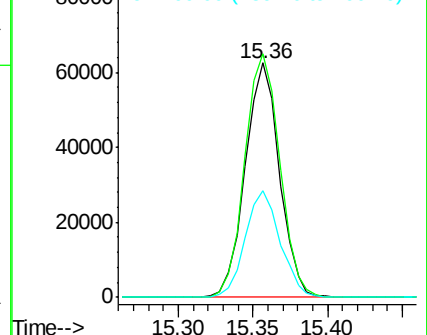
160 45.5 35.4 53.0



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



#41

2,4,6-Tribromophenol

Concen: 191.065 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.01 min

Lab File: BG032304.D

Acq: 25 Jan 2018 21:47

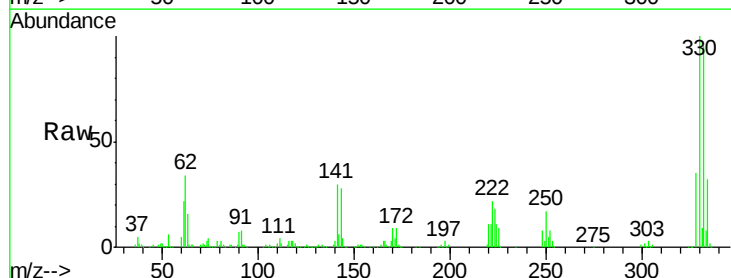
Tgt Ion:330 Resp: 313026

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

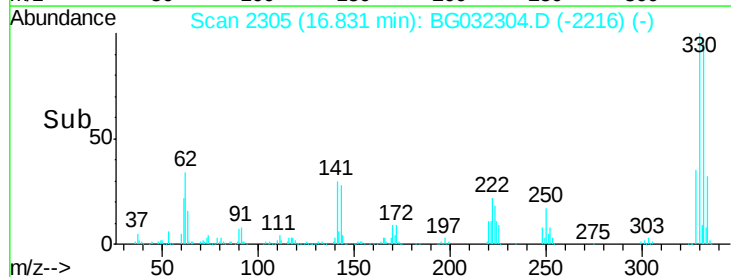
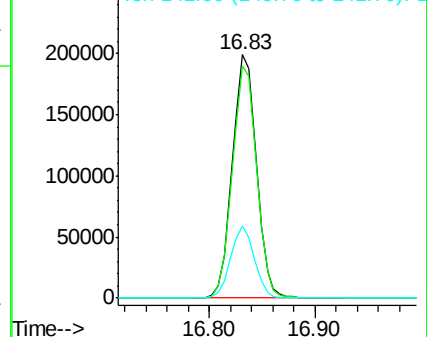
141 29.3 25.2 37.8

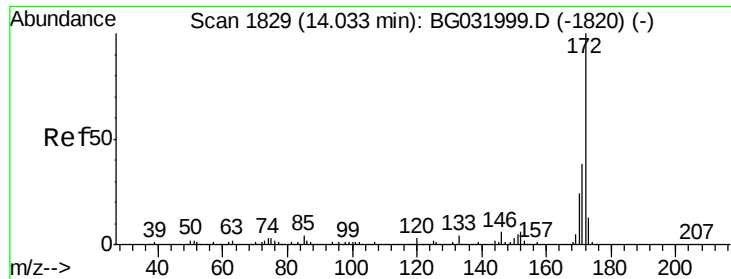


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

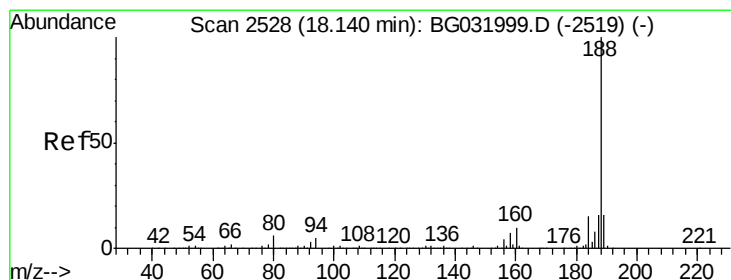
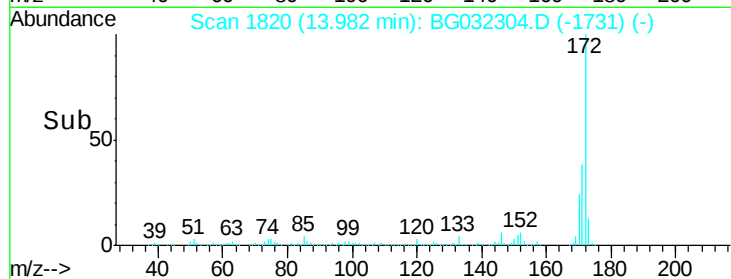
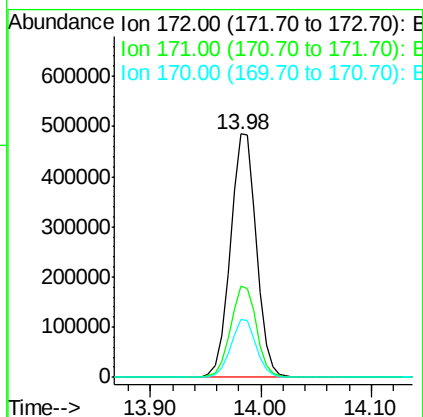
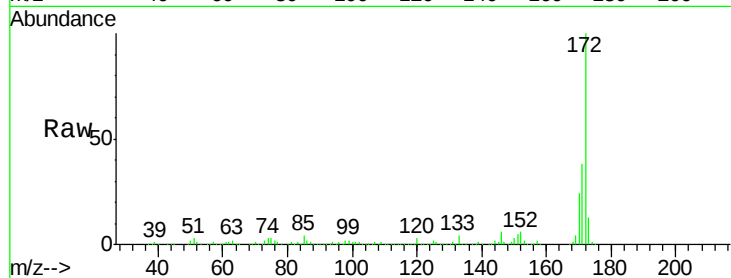




#44  
2-Fluorobiphenyl  
Concen: 100.066 ng  
RT: 13.98 min Scan# 1820  
Delta R.T. -0.01 min  
Lab File: BG032304.D  
Acq: 25 Jan 2018 21:47

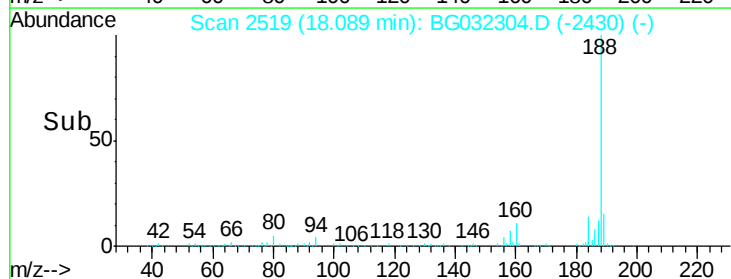
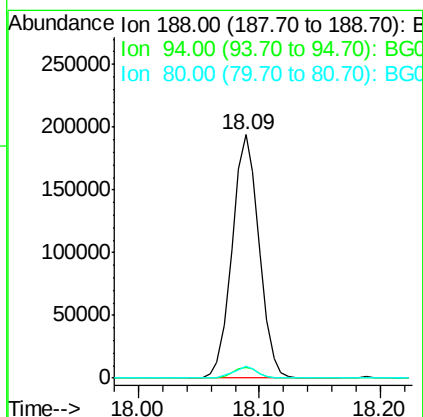
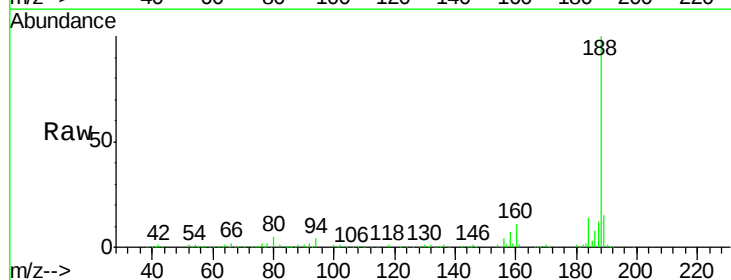
Instrument :  
BNA\_G  
ClientSampleId :  
WC4

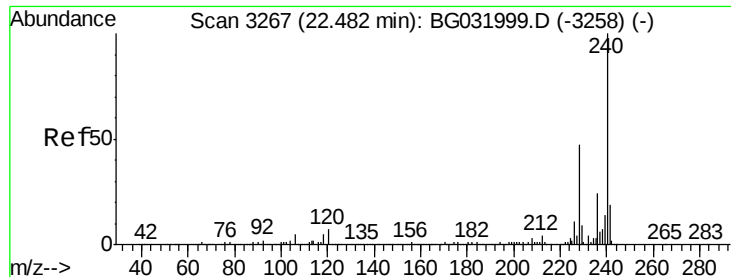
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.6  | 30.0  | 45.0  |
| 170     | 24.0  | 19.5  | 29.3  |



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.09 min Scan# 2519  
Delta R.T. -0.01 min  
Lab File: BG032304.D  
Acq: 25 Jan 2018 21:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 4.5   | 6.9   | 10.3# |
| 80      | 4.8   | 7.7   | 11.5# |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.41 min Scan# 3255

Delta R.T. -0.01 min

Lab File: BG032304.D

Acq: 25 Jan 2018 21:47

Instrument :

BNA\_G

ClientSampleId :

WC4

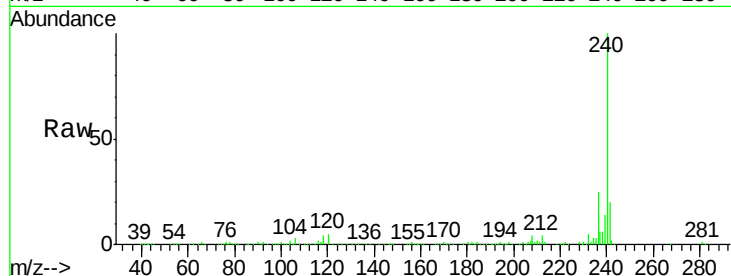
Tot Ion:240 Resp: 375472

Ion Ratio Lower Upper

240 100

120 4.7 6.8 10.2#

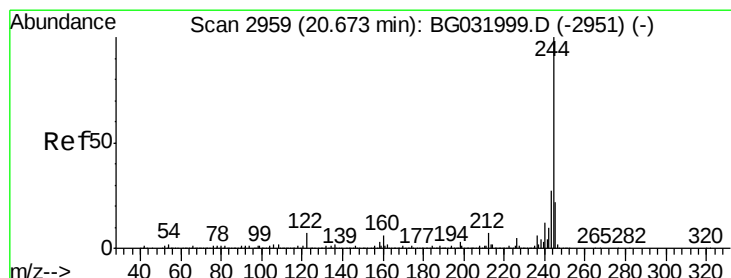
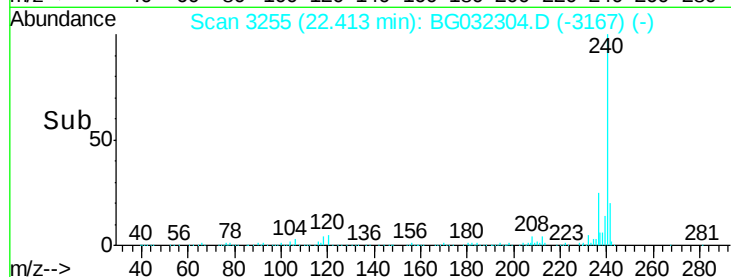
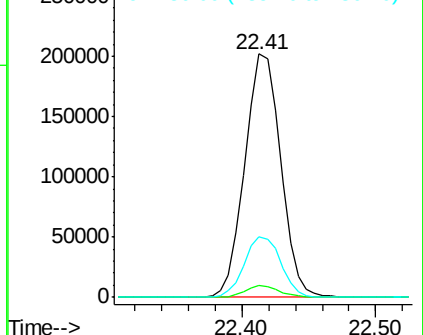
236 25.0 20.9 31.3



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: 106.517 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.01 min

Lab File: BG032304.D

Acq: 25 Jan 2018 21:47

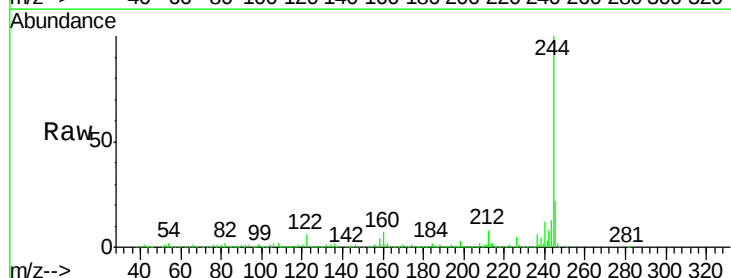
Tgt Ion:244 Resp: 1811300

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

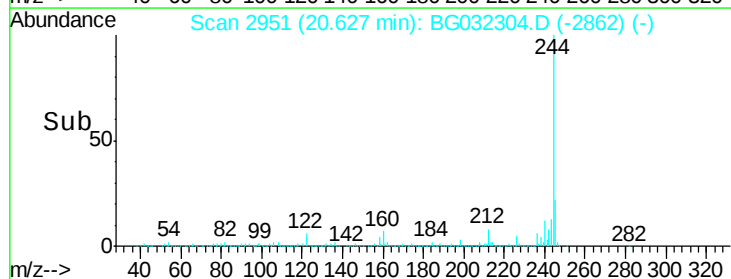
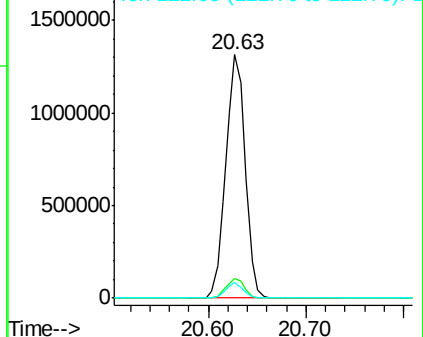
122 6.2 7.0 10.4#

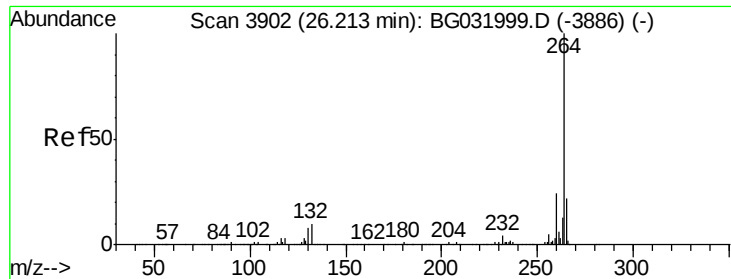


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 26.10 min Scan# 3882  
Delta R.T. -0.01 min  
Lab File: BG032304.D  
Acq: 25 Jan 2018 21:47

Instrument :  
BNA\_G  
ClientSampleId :  
WC4

Tot Ion: 264 Resp: 405508  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.2  | 17.4  | 26.0  |
| 265 | 21.8  | 17.7  | 26.5  |

