

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061016\  
 Data File : BG022316.D  
 Acq On : 11 Jun 2016 10:37  
 Operator : UM/SJ  
 Sample : H3449-01  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 16-VE-PILE-WALL(0-2)

Quant Time: Jun 12 02:58:15 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 06 16:12:45 2016  
 Response via : Initial Calibration

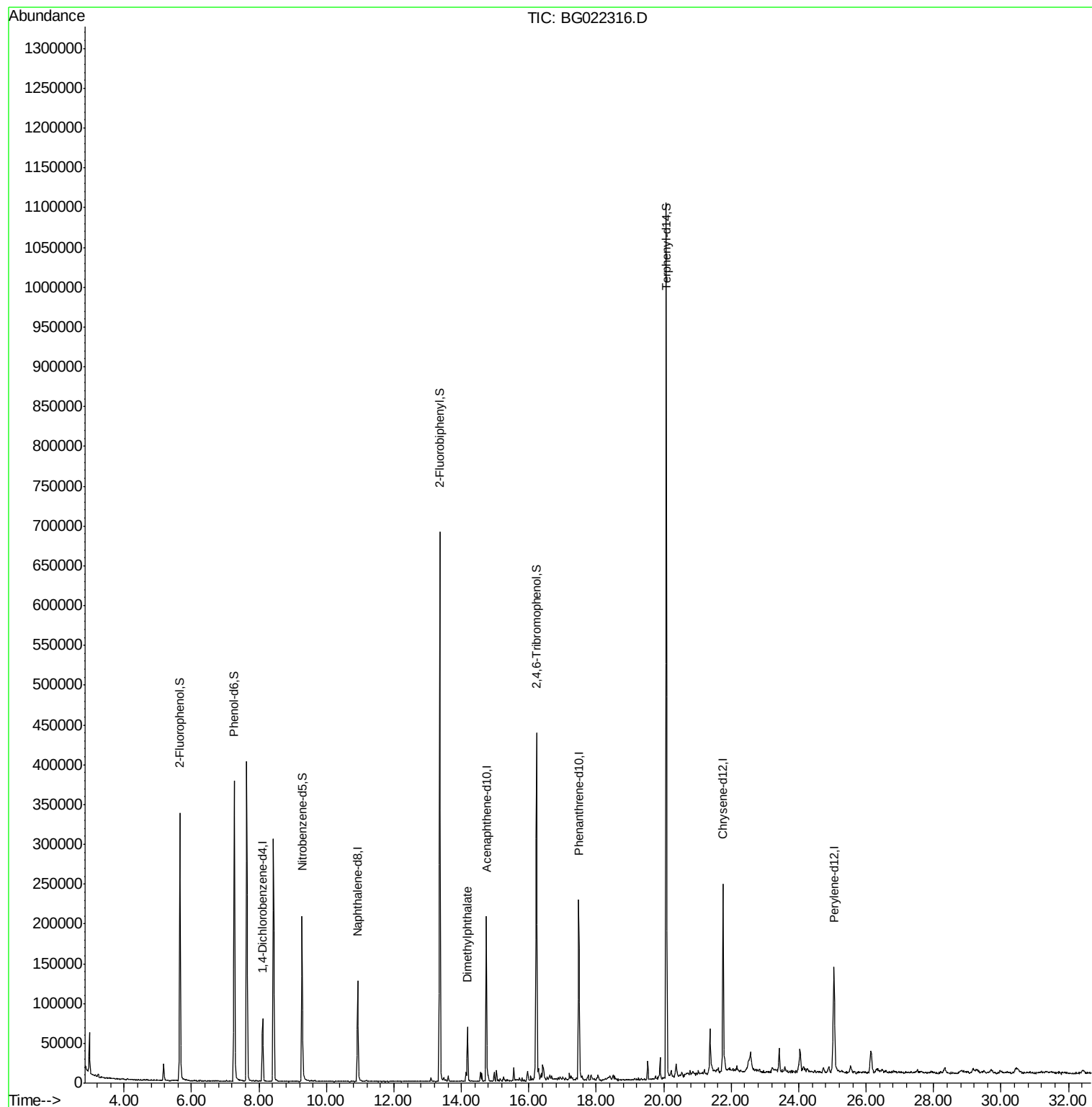
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.10  | 152  | 29630    | 20.00  | ng    | -0.02        |
| 21) Naphthalene-d8          | 10.93 | 136  | 141657   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.73 | 164  | 79788    | 20.00  | ng    | -0.02        |
| 63) Phenanthrene-d10        | 17.48 | 188  | 160846   | 20.00  | ng    | -0.02        |
| 75) Chrysene-d12            | 21.76 | 240  | 149652   | 20.00  | ng    | -0.02        |
| 86) Perylene-d12            | 25.05 | 264  | 144775   | 20.00  | ng    | -0.02        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.65  | 112  | 220095   | 143.62 | ng    | -0.01        |
| 7) Phenol-d6                | 7.27  | 99   | 319098   | 132.43 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.28  | 82   | 168935   | 83.14  | ng    | -0.02        |
| 41) 2,4,6-Tribromophenol    | 16.23 | 330  | 94412    | 104.72 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.36 | 172  | 421385   | 80.48  | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.08 | 244  | 507820   | 80.56  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.18 | 163  | 59882    | 9.05   | ng    | Qvalue<br>97 |

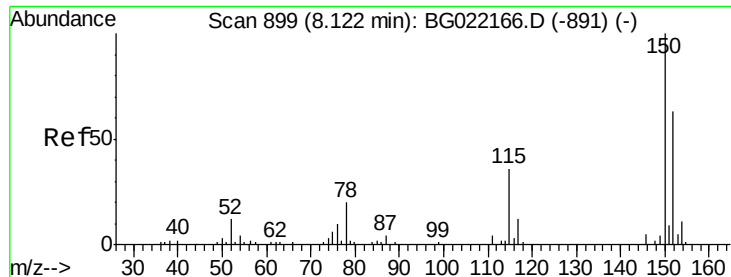
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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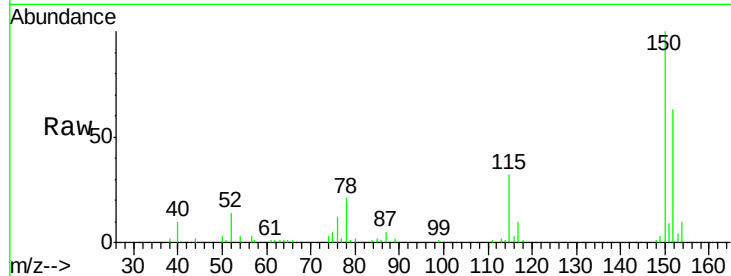


#1

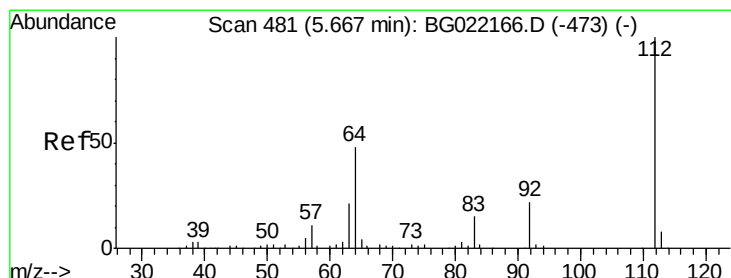
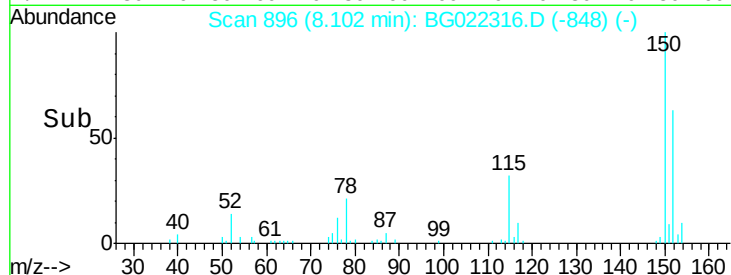
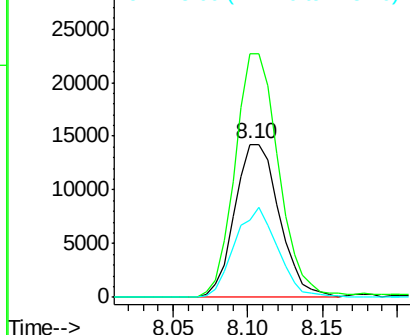
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.10 min Scan# 896  
Delta R.T. -0.02 min  
Lab File: BG022316.D  
Acq: 11 Jun 2016 10:37

Instrument :  
BNA\_G  
ClientSampleId :  
16-VE-PILE-WALL(0-2)

Tgt Ion:152 Resp: 29630  
Ion Ratio Lower Upper  
152 100  
150 158.9 130.1 195.1  
115 50.8 62.2 93.2#



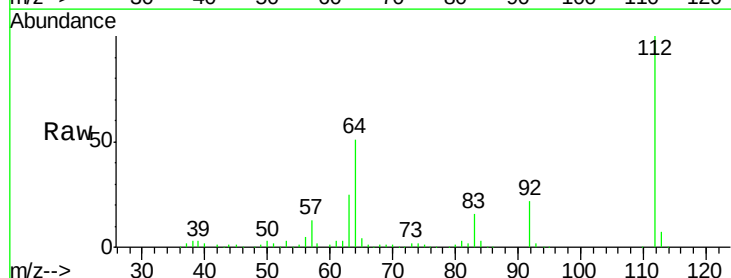
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



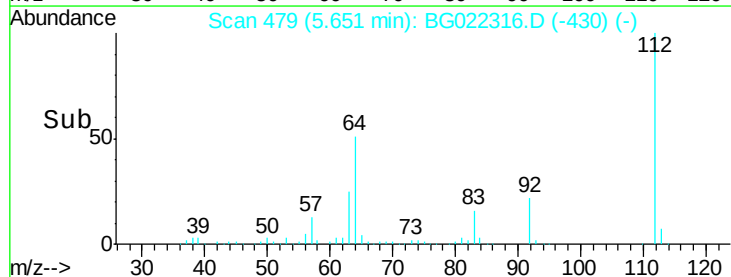
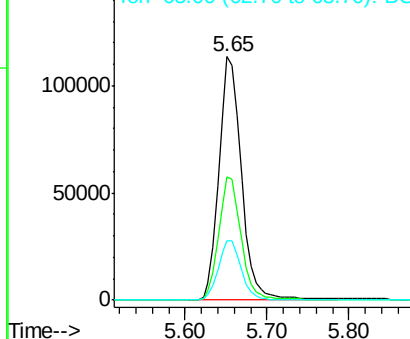
#5

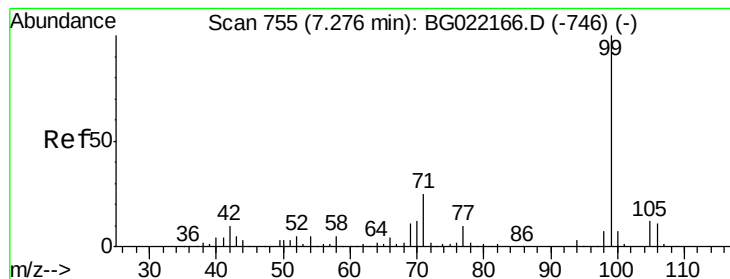
2-Fluorophenol  
Concen: 143.62 ng  
RT: 5.65 min Scan# 479  
Delta R.T. -0.01 min  
Lab File: BG022316.D  
Acq: 11 Jun 2016 10:37

Tgt Ion:112 Resp: 220095  
Ion Ratio Lower Upper  
112 100  
64 50.6 51.1 76.7#  
63 24.5 24.6 37.0#



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: 132.43 ng

RT: 7.27 min Scan# 754

Delta R.T. -0.01 min

Lab File: BG022316.D

Acq: 11 Jun 2016 10:37

Instrument :

BNA\_G

ClientSampleId :

16-VE-PILE-WALL(0-2)

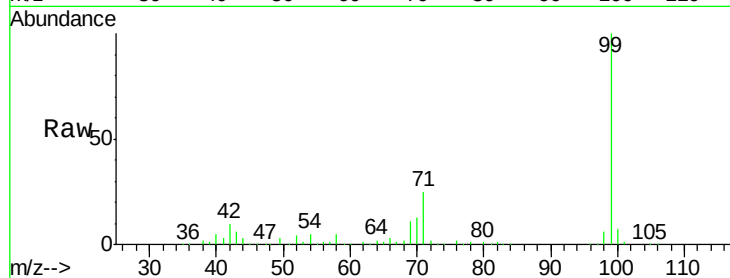
Tgt Ion: 99 Resp: 319098

Ion Ratio Lower Upper

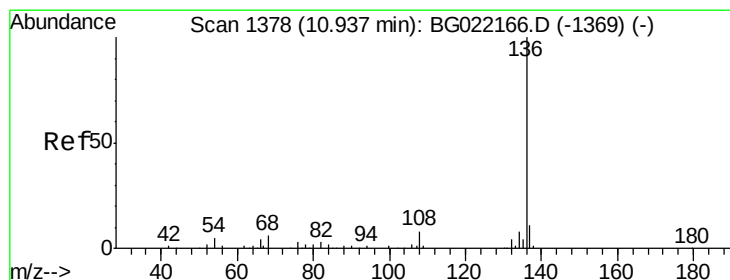
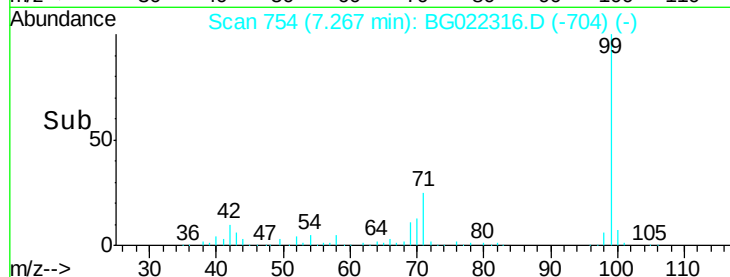
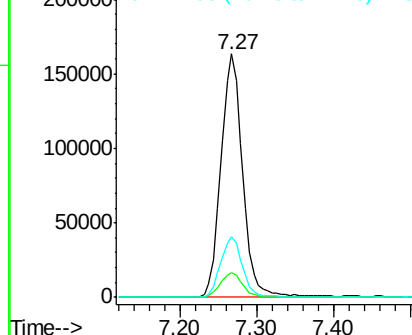
99 100

42 10.1 16.4 24.6#

71 25.0 25.0 37.4



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: 20.00 ng

RT: 10.93 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BG022316.D

Acq: 11 Jun 2016 10:37

Tgt Ion: 136 Resp: 141657

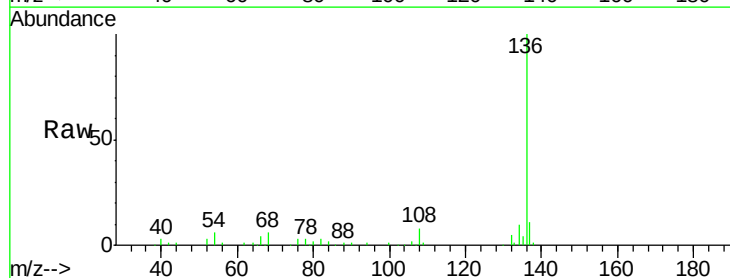
Ion Ratio Lower Upper

136 100

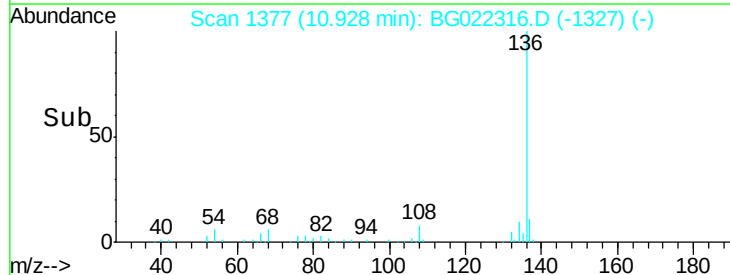
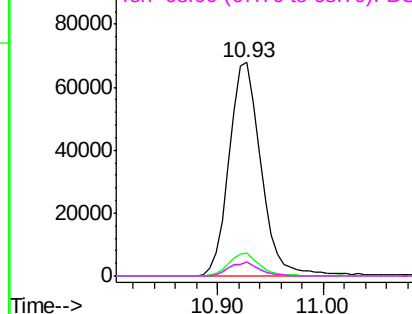
137 10.8 9.0 13.4

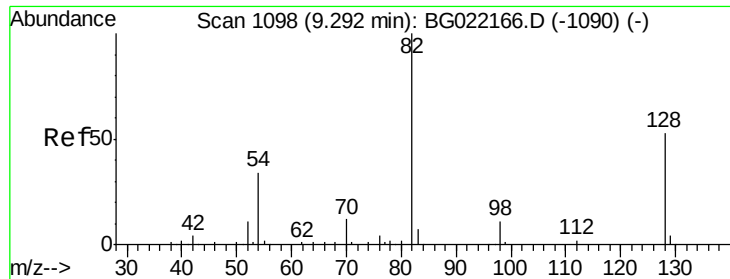
54 6.3 9.6 14.4#

68 6.5 6.4 9.6



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

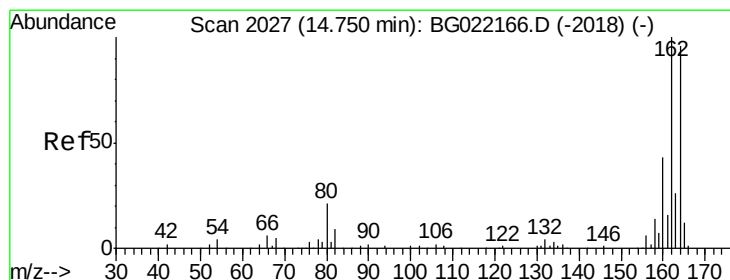
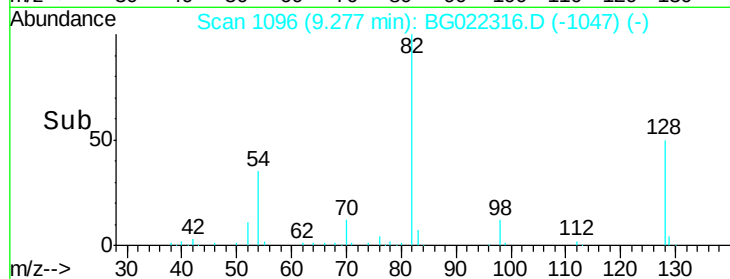
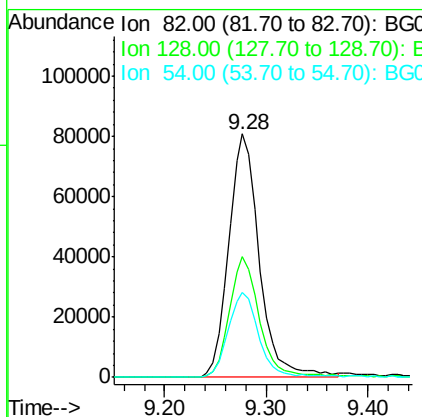
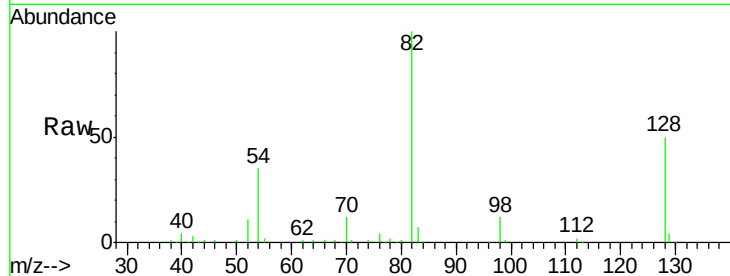




#23  
 Nitrobenzene-d5  
 Concen: 83.14 ng  
 RT: 9.28 min Scan# 1096  
 Delta R.T. -0.02 min  
 Lab File: BG022316.D  
 Acq: 11 Jun 2016 10:37

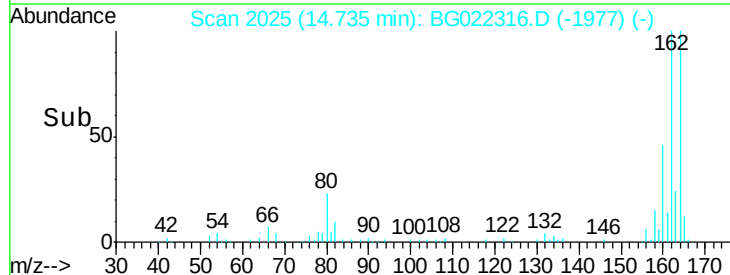
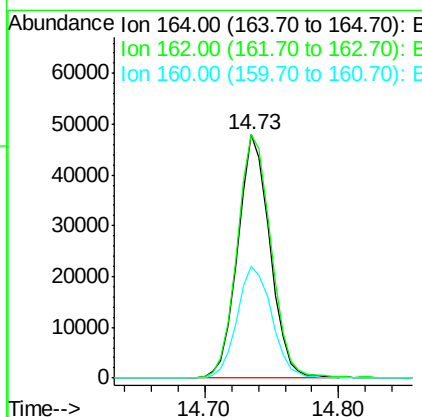
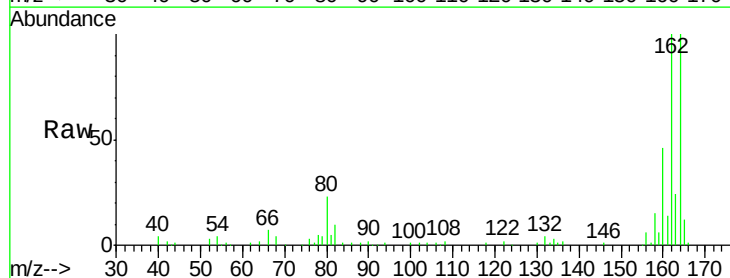
Instrument :  
 BNA\_G  
 ClientSampleId :  
 16-VE-PILE-WALL(0-2)

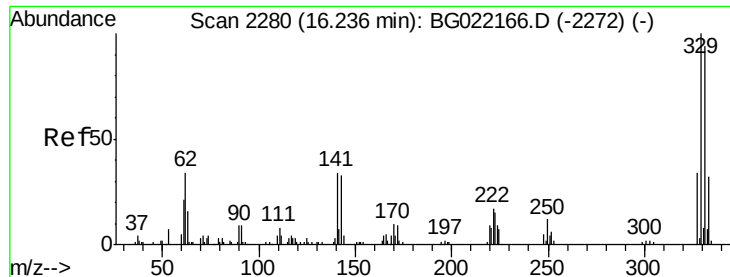
Tgt Ion: 82 Resp: 168935  
 Ion Ratio Lower Upper  
 82 100  
 128 49.6 33.4 50.0  
 54 35.0 46.1 69.1#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.73 min Scan# 2025  
 Delta R.T. -0.02 min  
 Lab File: BG022316.D  
 Acq: 11 Jun 2016 10:37

Tgt Ion: 164 Resp: 79788  
 Ion Ratio Lower Upper  
 164 100  
 162 100.1 78.0 117.0  
 160 46.1 32.9 49.3

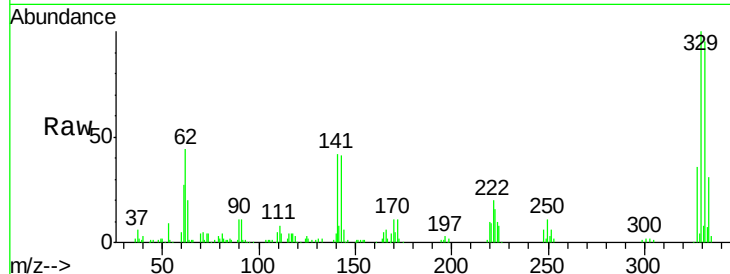




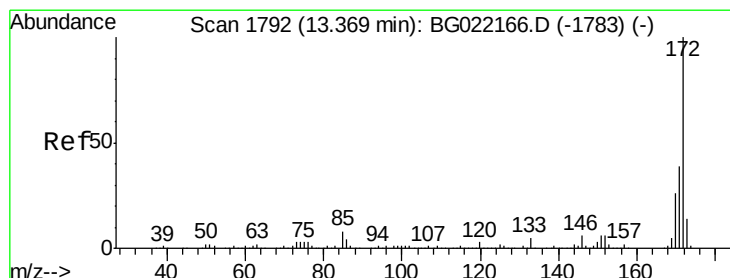
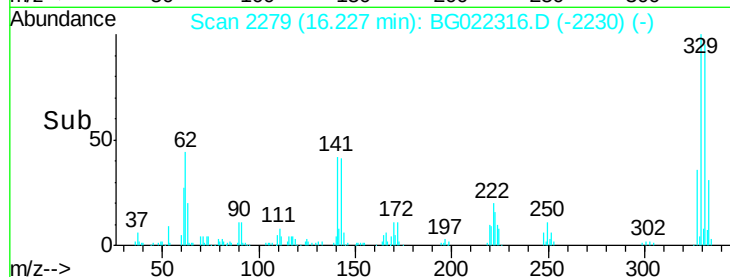
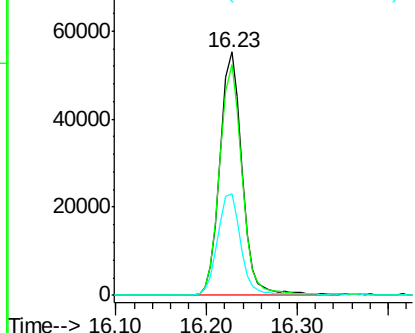
#41  
 2,4,6-Tribromophenol  
 Concen: 104.72 ng  
 RT: 16.23 min Scan# 2279  
 Delta R.T. -0.01 min  
 Lab File: BG022316.D  
 Acq: 11 Jun 2016 10:37

Instrument :  
 BNA\_G  
 ClientSampleId :  
 16-VE-PILE-WALL(0-2)

Tgt Ion:330 Resp: 94412  
 Ion Ratio Lower Upper  
 330 100  
 332 95.4 78.0 117.0  
 141 43.4 33.8 50.8

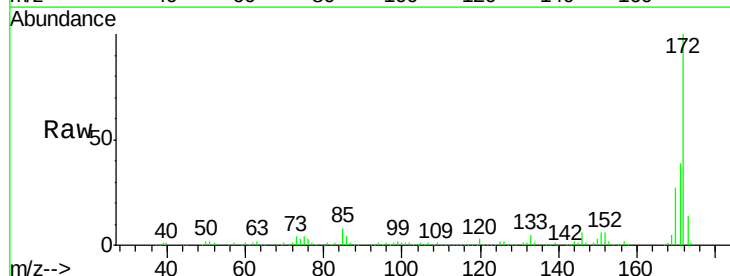


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

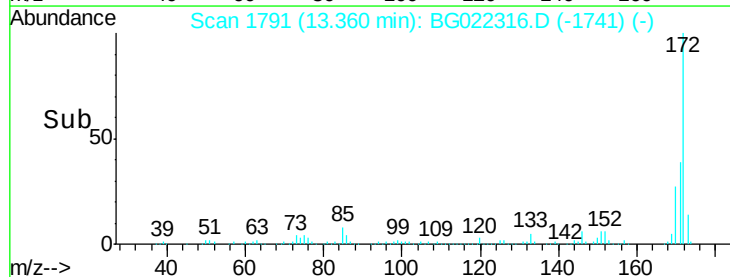
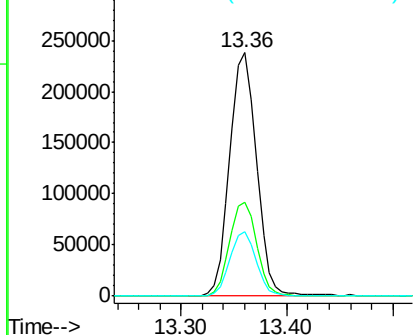


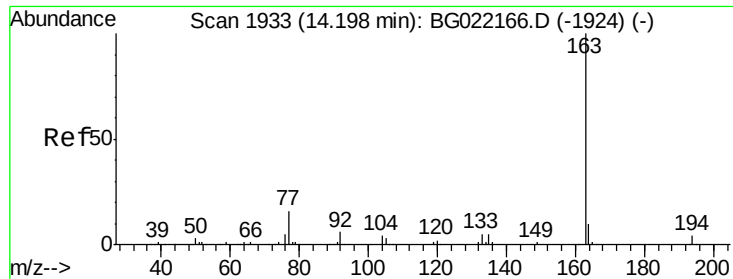
#44  
 2-Fluorobiphenyl  
 Concen: 80.48 ng  
 RT: 13.36 min Scan# 1791  
 Delta R.T. -0.01 min  
 Lab File: BG022316.D  
 Acq: 11 Jun 2016 10:37

Tgt Ion:172 Resp: 421385  
 Ion Ratio Lower Upper  
 172 100  
 171 38.7 27.8 41.6  
 170 26.5 19.6 29.4



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

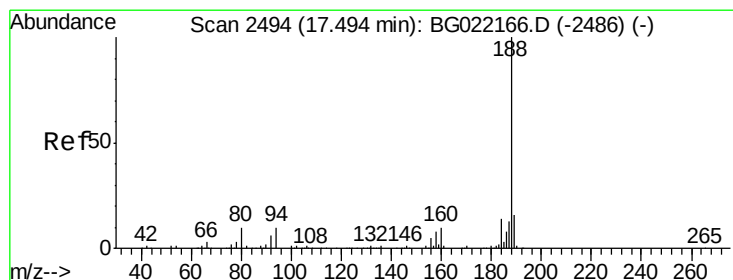
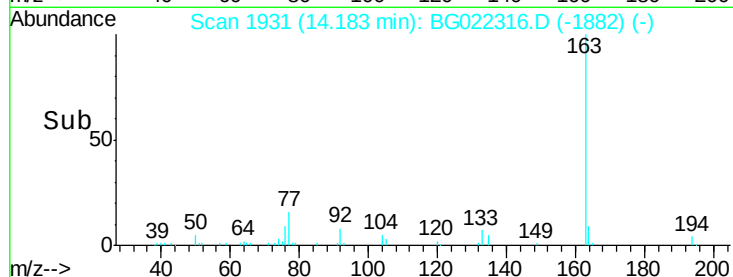
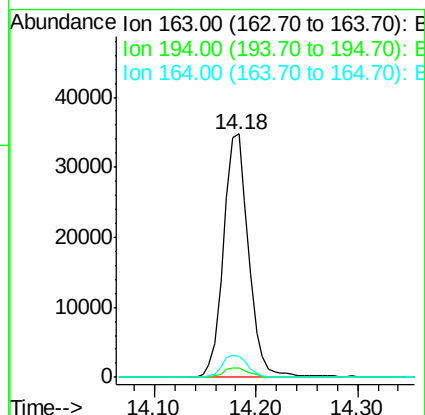
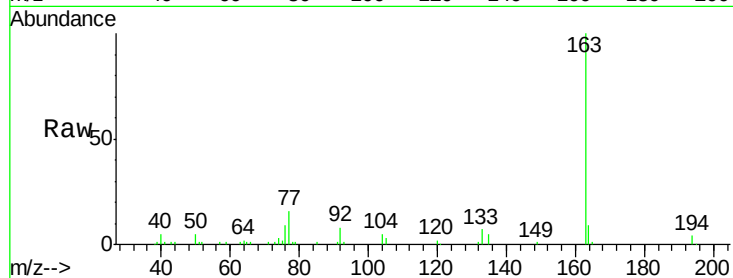




#49  
Dimethylphthalate  
Concen: 9.05 ng  
RT: 14.18 min Scan# 1931  
Delta R.T. -0.02 min  
Lab File: BG022316.D  
Acq: 11 Jun 2016 10:37

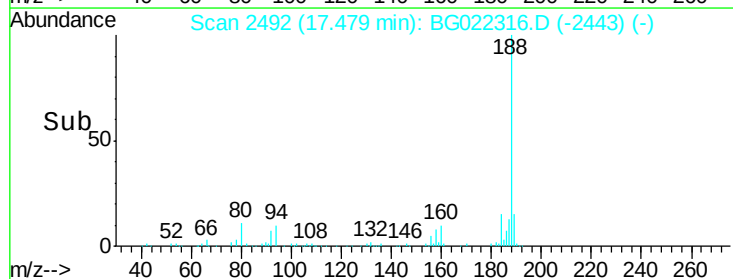
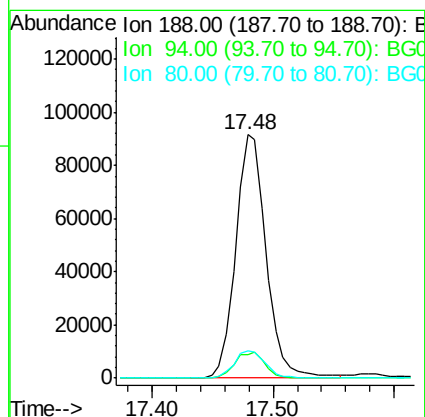
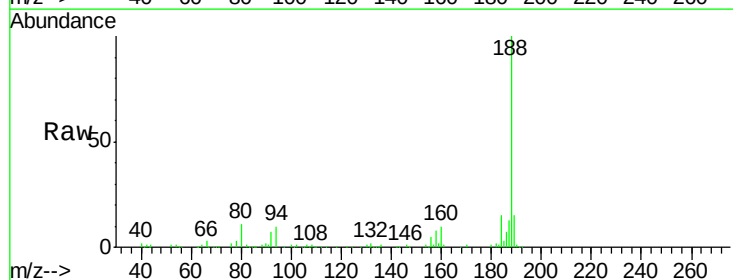
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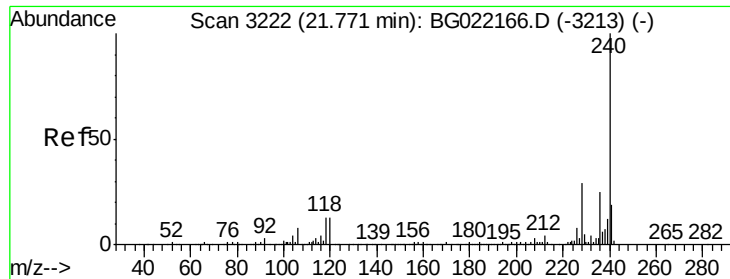
Tgt Ion:163 Resp: 59882  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.0 4.6  
164 8.7 8.1 12.1



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.48 min Scan# 2492  
Delta R.T. -0.02 min  
Lab File: BG022316.D  
Acq: 11 Jun 2016 10:37

Tgt Ion:188 Resp: 160846  
Ion Ratio Lower Upper  
188 100  
94 9.9 7.5 11.3  
80 11.2 8.6 13.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.76 min Scan# 3220

Delta R.T. -0.02 min

Lab File: BG022316.D

Acq: 11 Jun 2016 10:37

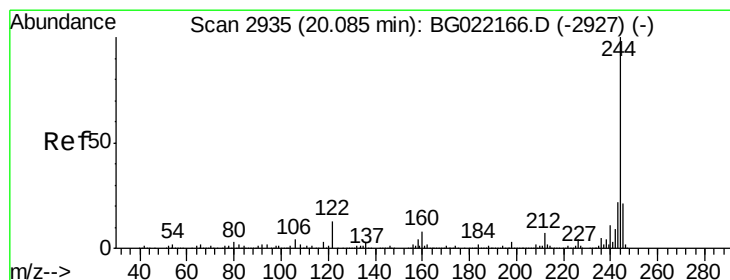
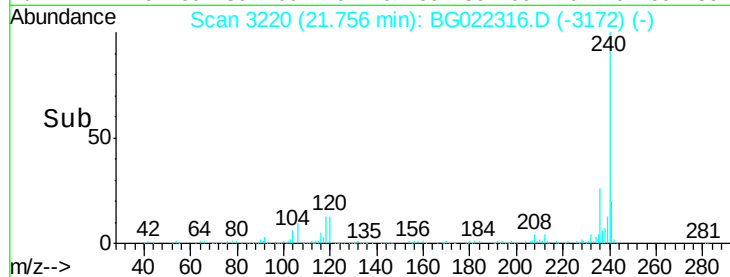
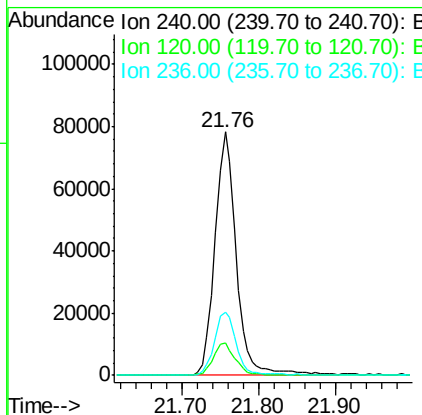
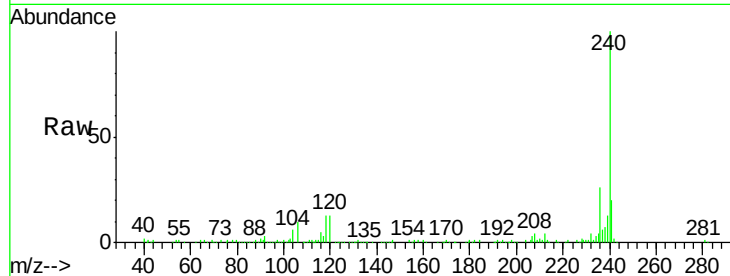
Instrument :

BNA\_G

ClientSampleId :

16-VE-PILE-WALL(0-2)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 149652 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 13.4  | 8.4   | 12.6#  |
| 236       | 25.7  | 19.6  | 29.4   |



#78

Terphenyl-d14

Concen: 80.56 ng

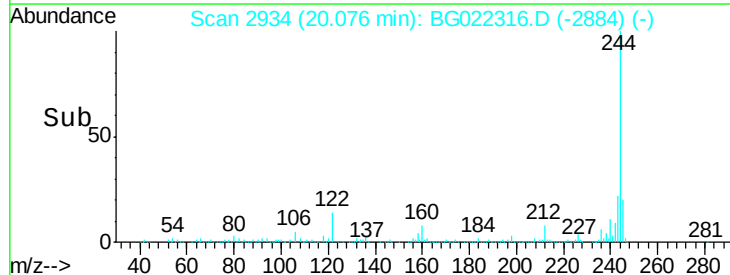
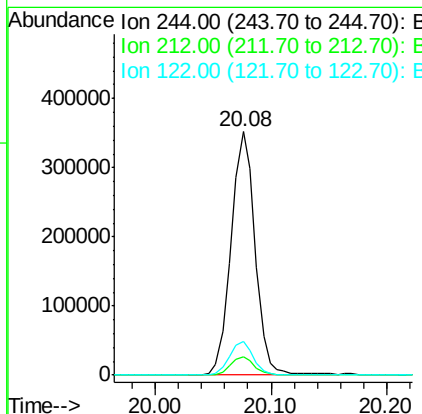
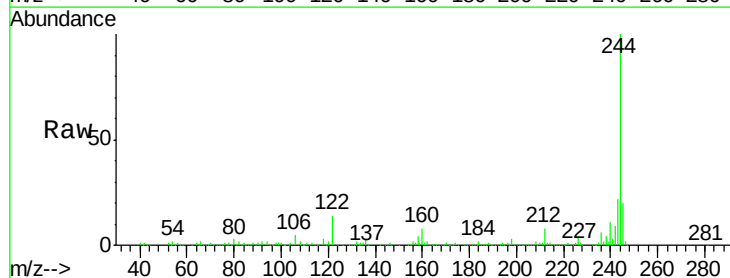
RT: 20.08 min Scan# 2934

Delta R.T. -0.01 min

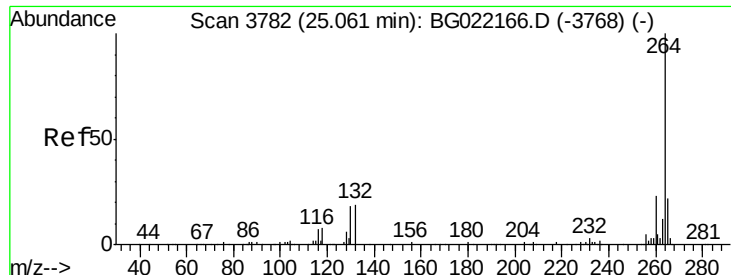
Lab File: BG022316.D

Acq: 11 Jun 2016 10:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 507820 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 7.7   | 6.5   | 9.7    |
| 122       | 13.6  | 8.6   | 12.8#  |



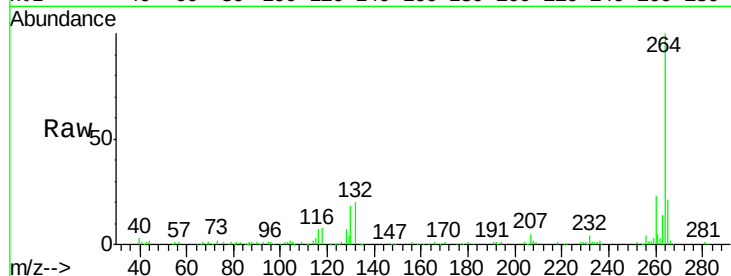




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.05 min Scan# 3780  
Delta R.T. -0.02 min  
Lab File: BG022316.D  
Acq: 11 Jun 2016 10:37

Instrument :  
BNA\_G  
ClientSampleId :  
16-VE-PILE-WALL(0-2)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.1  | 20.2  | 30.4  |
| 265     | 21.1  | 17.8  | 26.8  |



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

