

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG110417\  
 Data File : BG030722.D  
 Acq On : 4 Nov 2017 5:01  
 Operator : SJ/JU  
 Sample : I6275-07  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CONCRETE-PILE

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 11/4/2017 2:21:52 PM

Quant Time: Nov 04 05:47:11 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 03 18:14:01 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.15  | 152  | 58274    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.97 | 136  | 254733   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.77 | 164  | 175784   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.51 | 188  | 445655   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.78 | 240  | 507776   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.08 | 264  | 521785   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.71  | 112  | 466701   | 133.79 | ng    | 0.00     |
| 7) Phenol-d6                | 7.31  | 99   | 545041   | 111.32 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.32  | 82   | 417337   | 104.11 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.25 | 330  | 375610   | 165.50 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.39 | 172  | 1156962  | 96.53  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.10 | 244  | 2020538  | 90.52  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 32) Benzoic acid            | 10.22 | 122  | 28008m   | 8.583  | ng    | Qvalue   |

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

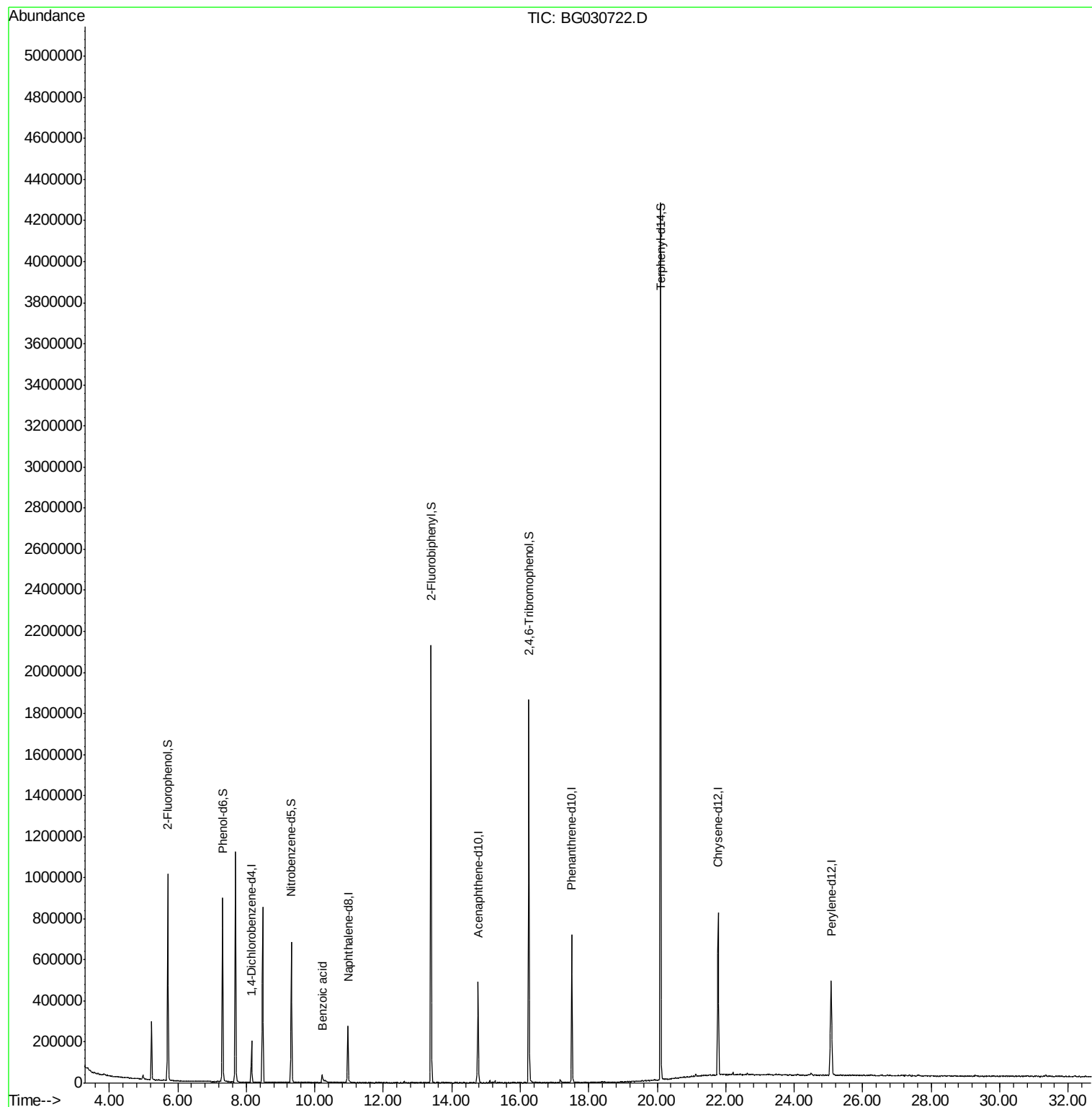
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG110417\  
Data File : BG030722.D  
Acq On : 4 Nov 2017 5:01  
Operator : SJ/JU  
Sample : I6275-07  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

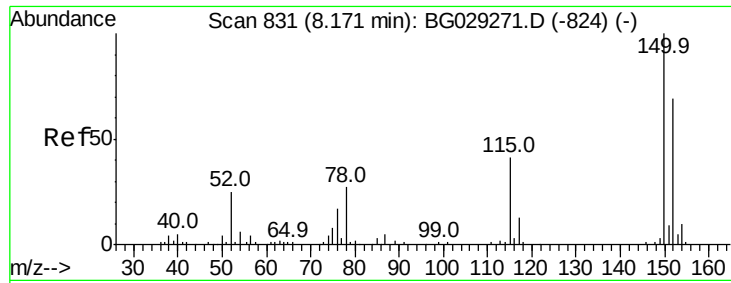
Instrument :  
BNA\_G  
ClientSampleId :  
CONCRETE-PILE

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Quant Time: Nov 04 05:47:11 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 03 18:14:01 2017  
Response via : Initial Calibration





#1

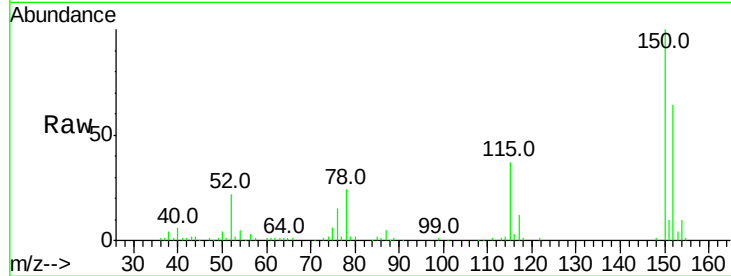
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.15 min Scan# 828  
Delta R.T. 0.00 min  
Lab File: BG030722.D  
Acq: 4 Nov 2017 5:01

Instrument :  
BNA\_G  
ClientSampleId :  
CONCRETE-PILE

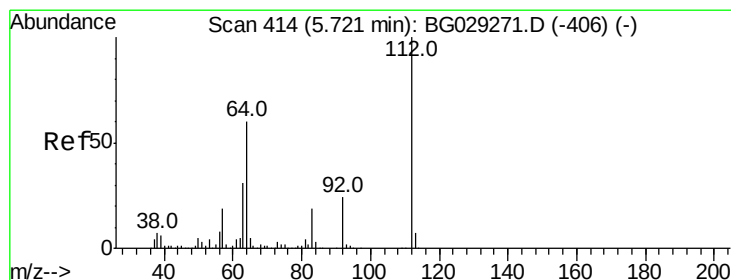
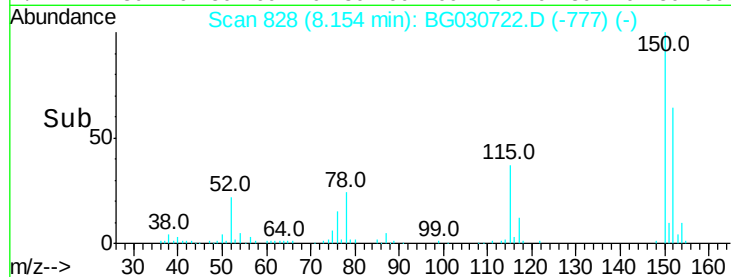
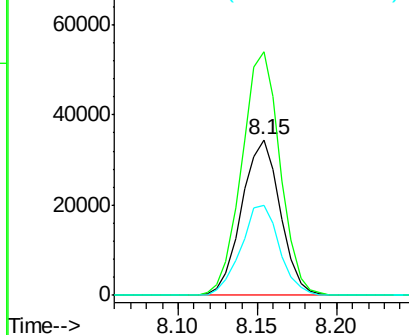
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.2 | 126.6 | 189.8 |
| 115     | 57.7  | 53.0  | 79.4  |

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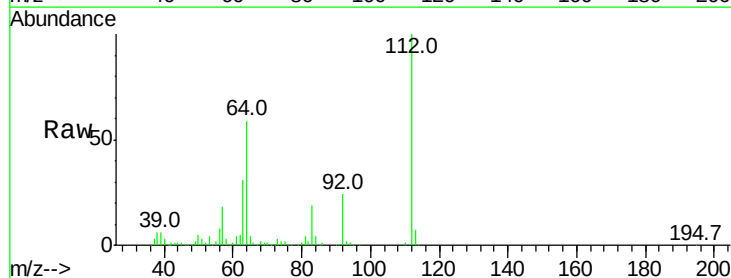
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



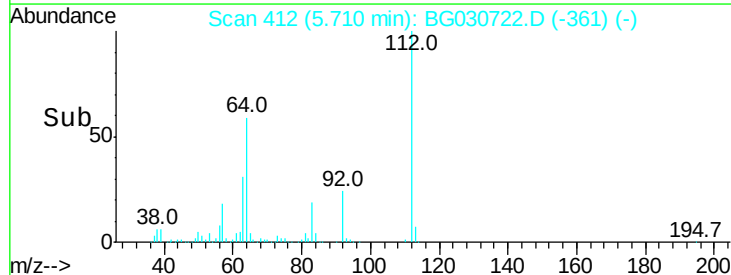
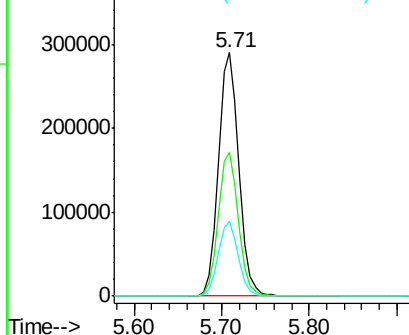
#5

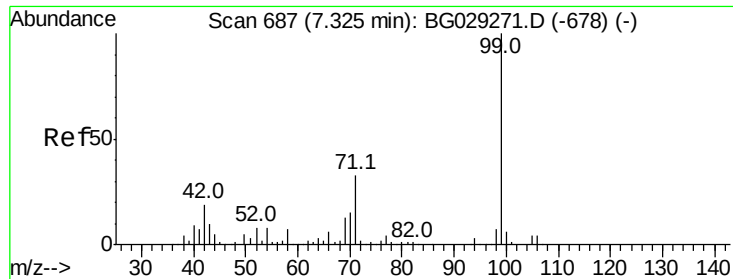
2-Fluorophenol  
Concen: 133.790 ng  
RT: 5.71 min Scan# 412  
Delta R.T. 0.00 min  
Lab File: BG030722.D  
Acq: 4 Nov 2017 5:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 59.0  | 56.3  | 84.5  |
| 63      | 30.6  | 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: 111.315 ng

RT: 7.31 min Scan# 684

Delta R.T. 0.00 min

Lab File: BG030722.D

Acq: 4 Nov 2017 5:01

Instrument :

BNA\_G

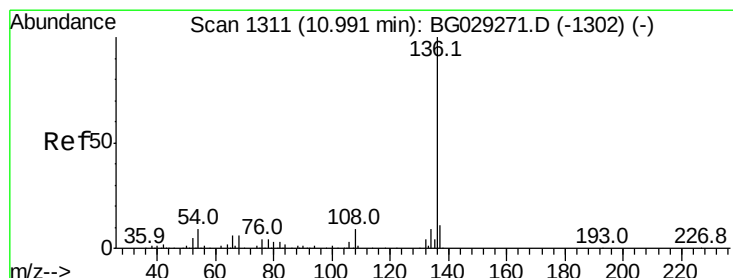
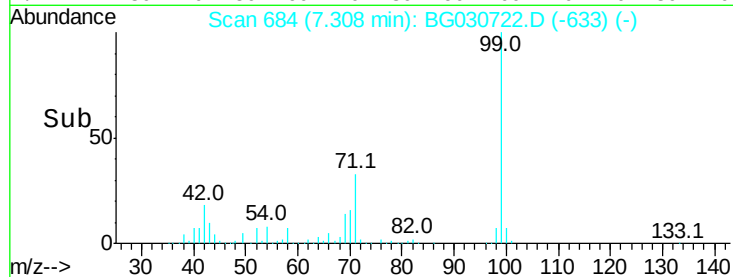
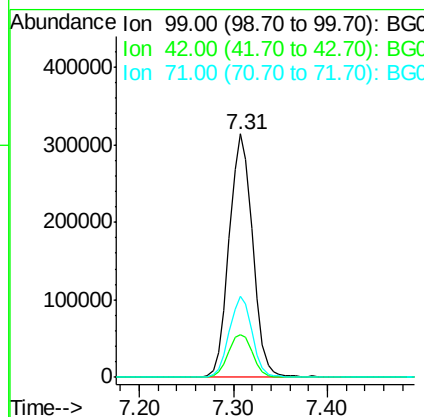
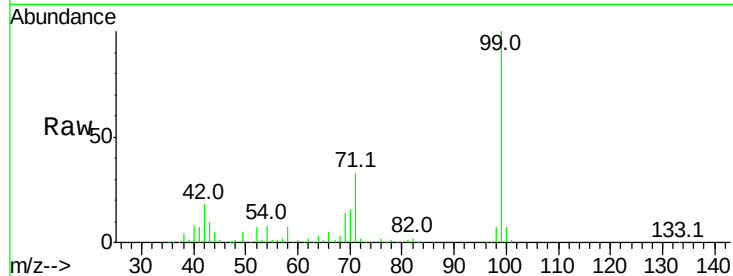
ClientSampleId :

CONCRETE-PILE

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 545041 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 17.7  | 14.1  | 21.1   |
| 71        | 33.2  | 26.1  | 39.1   |

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#21

Naphthalene-d8

Concen: 20.000 ng

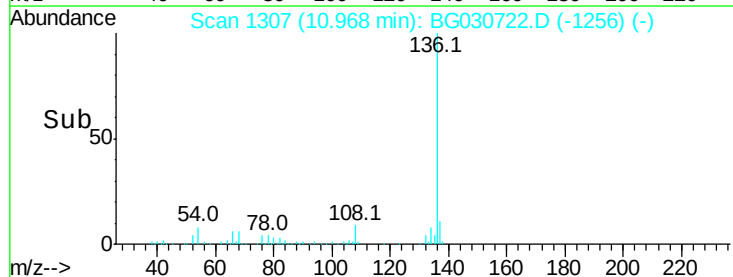
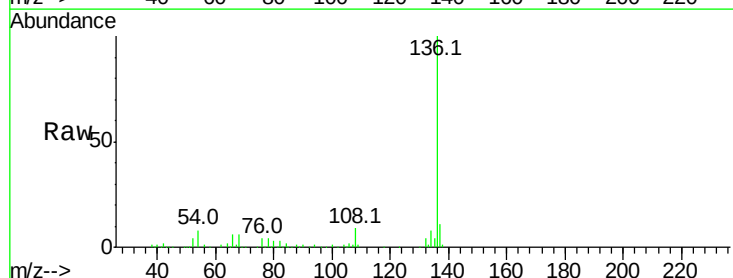
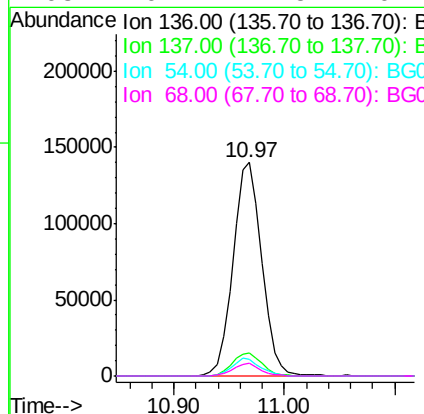
RT: 10.97 min Scan# 1307

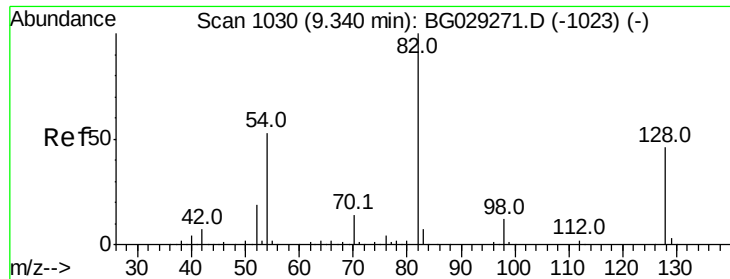
Delta R.T. 0.00 min

Lab File: BG030722.D

Acq: 4 Nov 2017 5:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 254733 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.9  | 9.2   | 13.8   |
| 54        | 7.9   | 10.3  | 15.5#  |
| 68        | 6.2   | 4.5   | 6.7    |





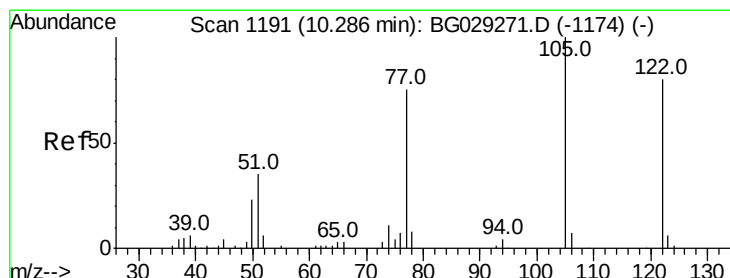
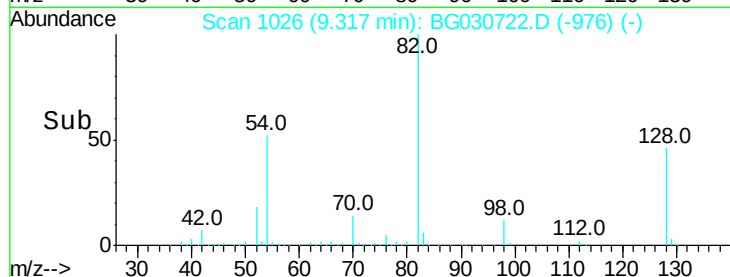
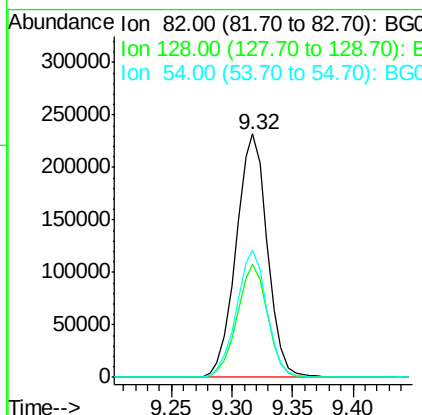
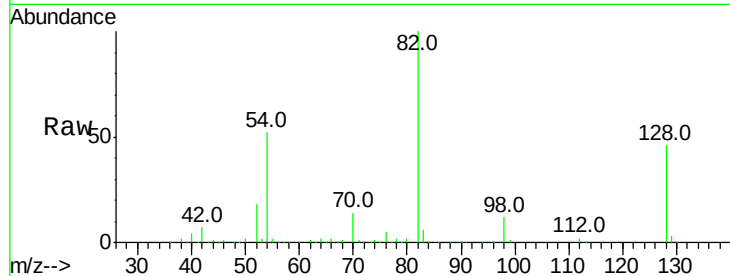
#23  
 Nitrobenzene-d5  
 Concen: 104.111 ng  
 RT: 9.32 min Scan# 1026  
 Delta R.T. -0.00 min  
 Lab File: BG030722.D  
 Acq: 4 Nov 2017 5:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CONCRETE-PILE

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 46.5  | 29.7 | 44.5# |       |
| 54      | 52.4  | 43.1 | 64.7  |       |

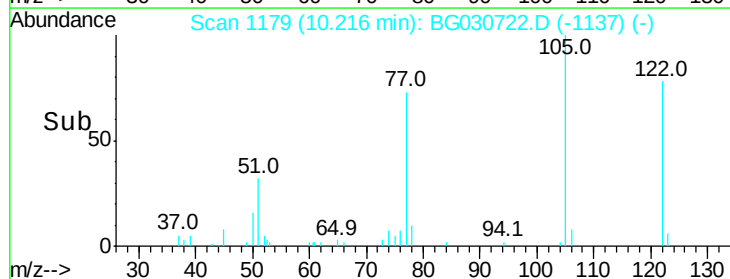
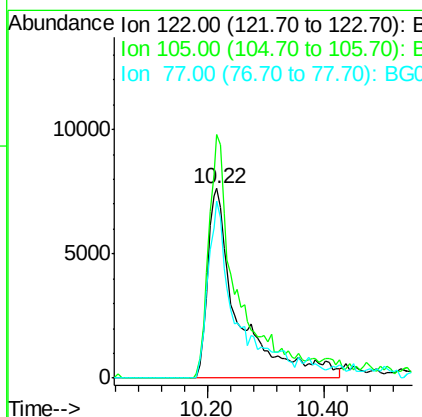
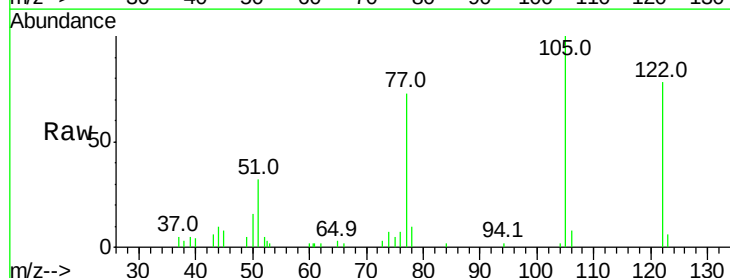
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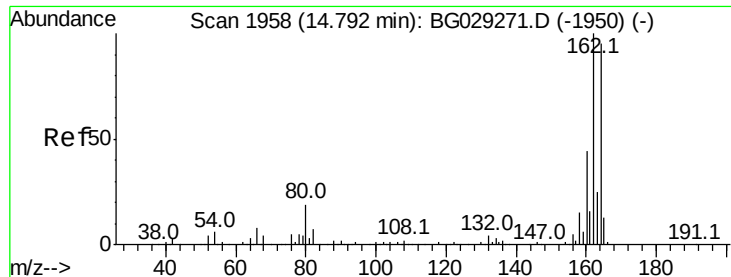
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#32  
 Benzoic acid  
 Concen: 8.583 ng m  
 RT: 10.22 min Scan# 1179  
 Delta R.T. -0.05 min  
 Lab File: BG030722.D  
 Acq: 4 Nov 2017 5:01

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   |       |       |       |
| 105     | 128.7 | 123.5 | 163.5 |       |
| 77      | 93.4  | 85.7  | 125.7 |       |





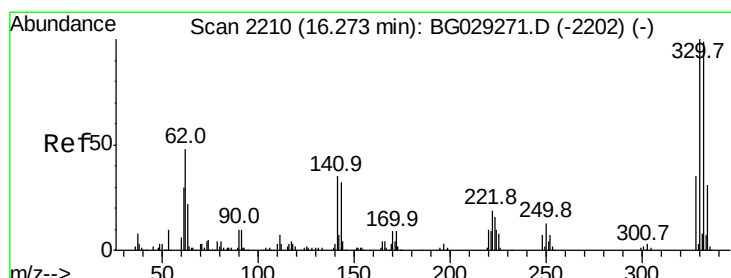
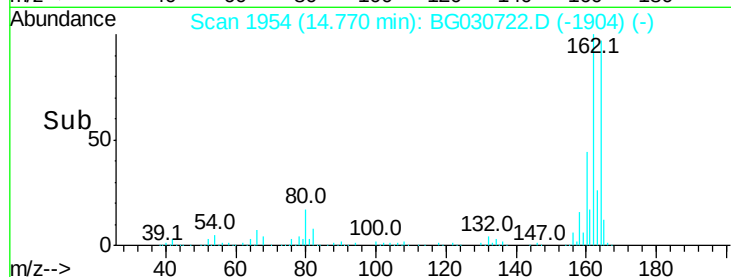
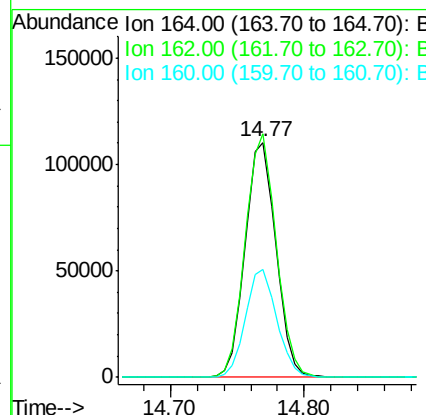
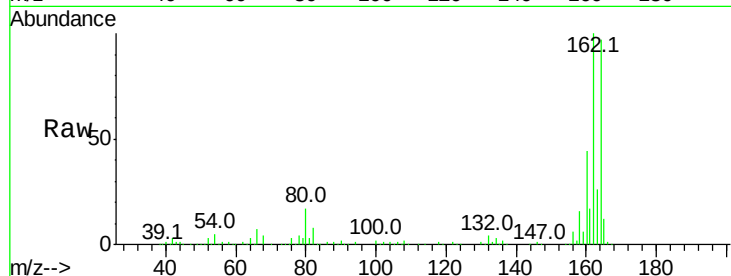
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.77 min Scan# 1954  
Delta R.T. -0.00 min  
Lab File: BG030722.D  
Acq: 4 Nov 2017 5:01

Instrument :  
BNA\_G  
ClientSampleId :  
CONCRETE-PILE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.6 | 78.8  | 118.2 |
| 160     | 46.0  | 35.4  | 53.0  |

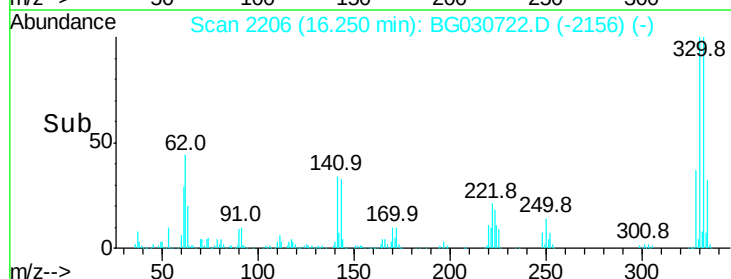
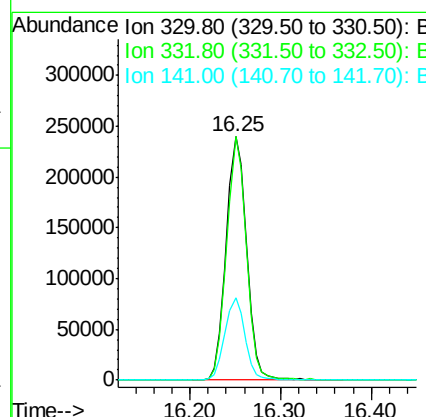
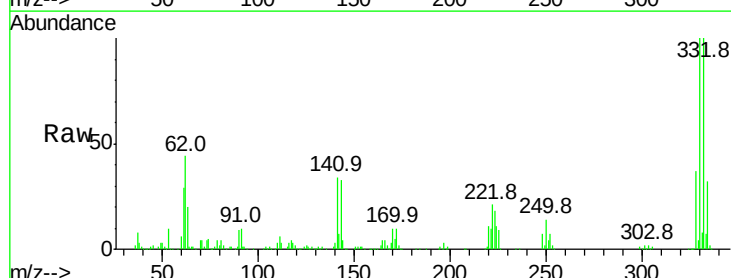
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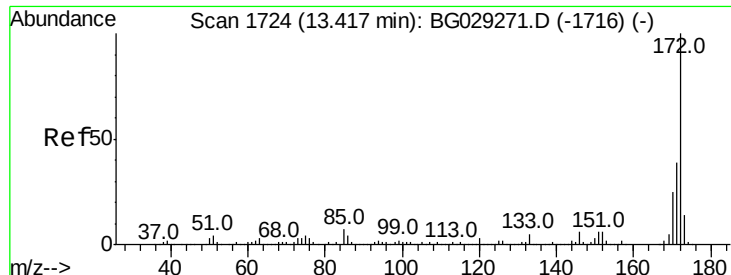
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#41  
2,4,6-Tribromophenol  
Concen: 165.500 ng  
RT: 16.25 min Scan# 2206  
Delta R.T. -0.00 min  
Lab File: BG030722.D  
Acq: 4 Nov 2017 5:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.1  | 77.0  | 115.6 |
| 141     | 33.1  | 25.2  | 37.8  |





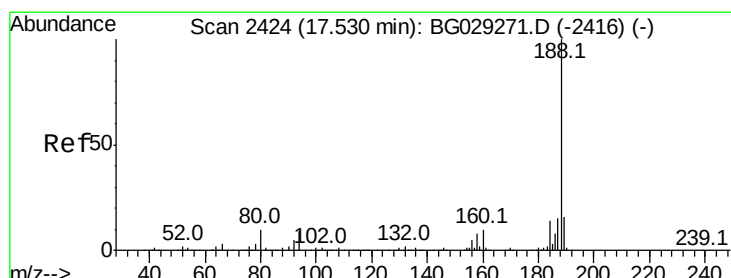
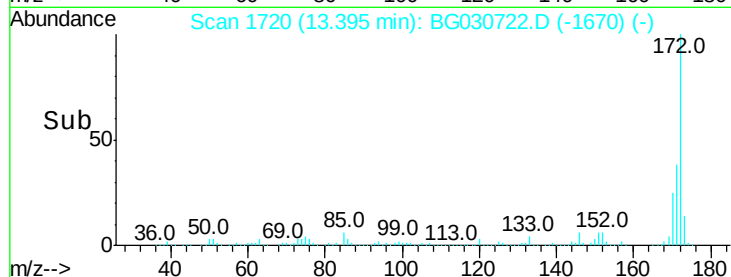
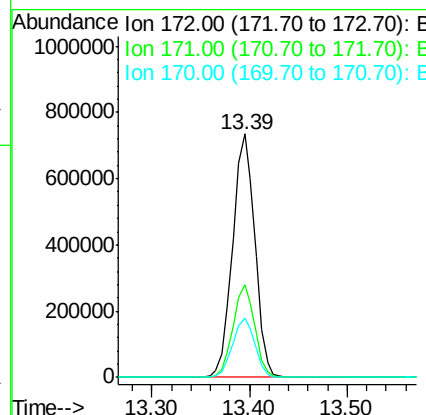
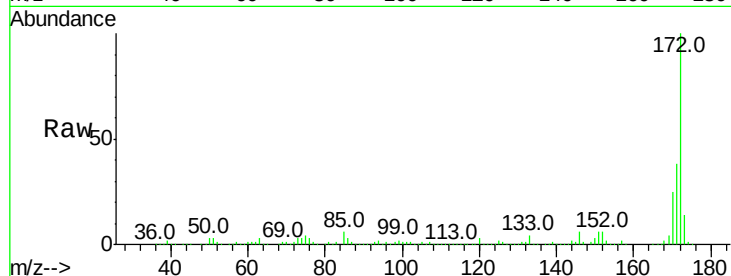
#44  
 2-Fluorobiphenyl  
 Concen: 96.531 ng  
 RT: 13.39 min Scan# 1720  
 Delta R.T. -0.00 min  
 Lab File: BG030722.D  
 Acq: 4 Nov 2017 5:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CONCRETE-PILE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.1  | 30.0  | 45.0  |
| 170     | 24.5  | 19.5  | 29.3  |

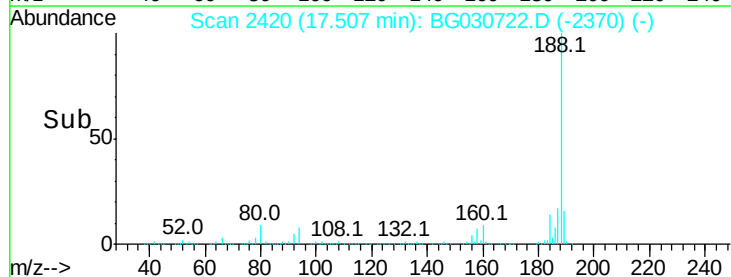
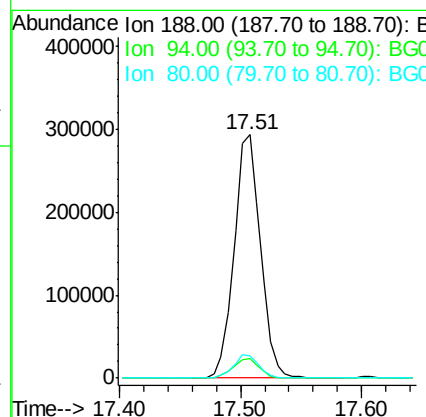
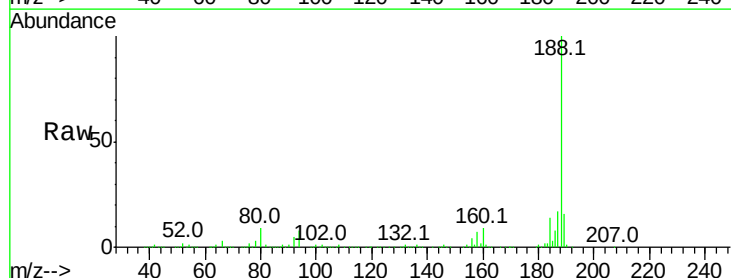
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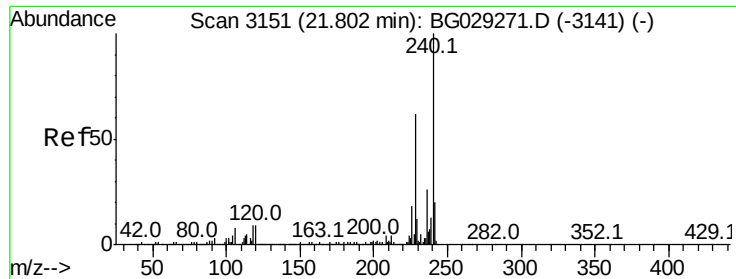
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#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.51 min Scan# 2420  
 Delta R.T. -0.01 min  
 Lab File: BG030722.D  
 Acq: 4 Nov 2017 5:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.2   | 6.9   | 10.3  |
| 80      | 9.2   | 7.7   | 11.5  |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.78 min Scan# 3147

Delta R.T. -0.00 min

Lab File: BG030722.D

Acq: 4 Nov 2017 5:01

Instrument :

BNA\_G

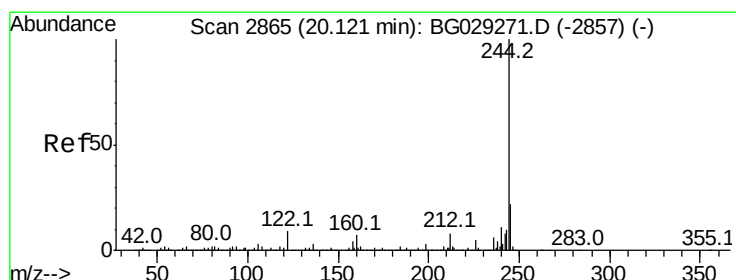
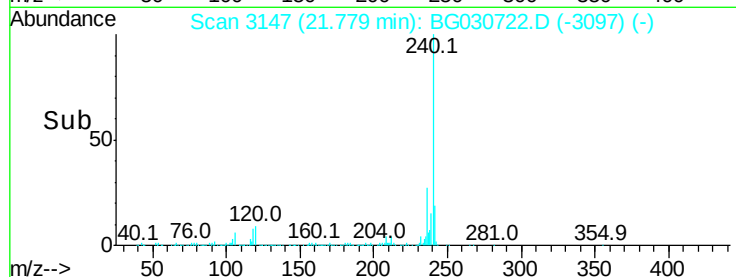
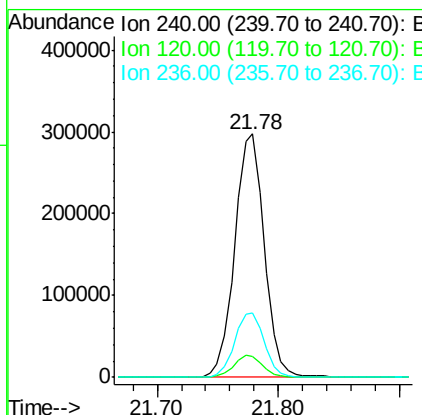
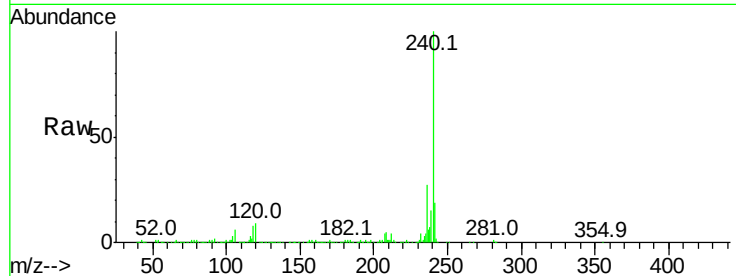
ClientSampleId :

CONCRETE-PILE

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 507776 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 8.8   | 6.8   | 10.2   |
| 236       | 26.7  | 20.9  | 31.3   |

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#78

Terphenyl-d14

Concen: 90.524 ng

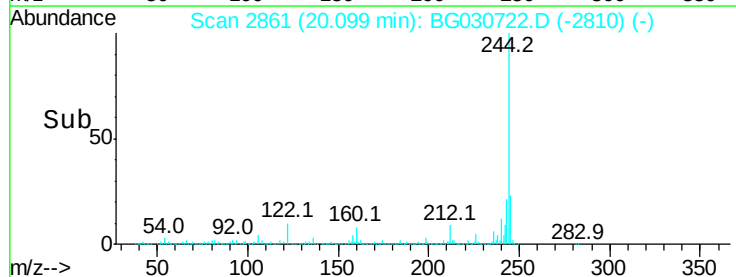
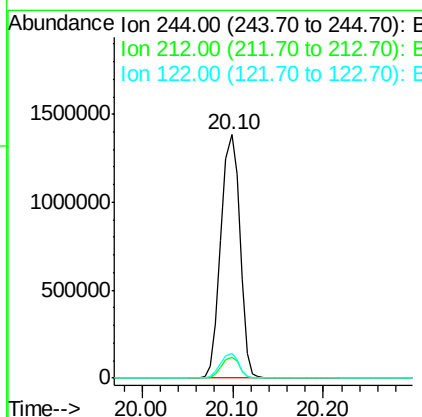
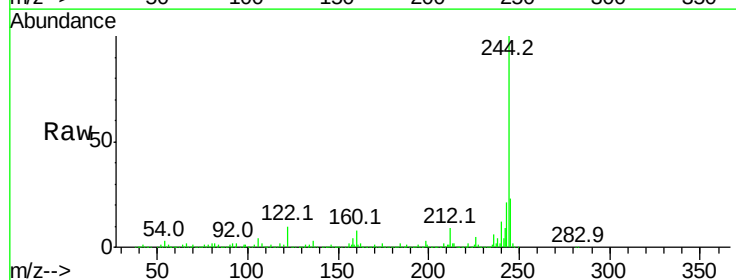
RT: 20.10 min Scan# 2861

Delta R.T. 0.00 min

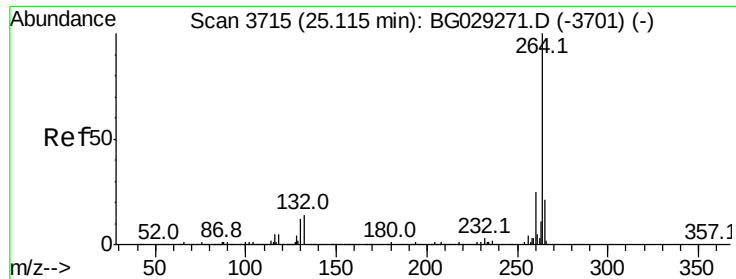
Lab File: BG030722.D

Acq: 4 Nov 2017 5:01

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 244   | Resp: | 2020538 |
| Ion Ratio | Lower | Upper |         |
| 244       | 100   |       |         |
| 212       | 8.5   | 5.8   | 8.8     |
| 122       | 10.2  | 7.0   | 10.4    |







#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.08 min Scan# 3708  
Delta R.T. -0.02 min  
Lab File: BG030722.D  
Acq: 4 Nov 2017 5:01

Instrument :  
BNA\_G  
ClientSampleId :  
CONCRETE-PILE

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 264     | 100   |            |            |
| 260     | 24.9  | 17.4       | 26.0       |
| 265     | 21.3  | 17.7       | 26.5       |

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