

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012519\  
 Data File : BG039282.D  
 Acq On : 25 Jan 2019 17:22  
 Operator : JU/SJ  
 Sample : K1233-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SANDHILL-RO-1-8

Quant Time: Jan 28 03:25:38 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 18 04:20:14 2019  
 Response via : Initial Calibration

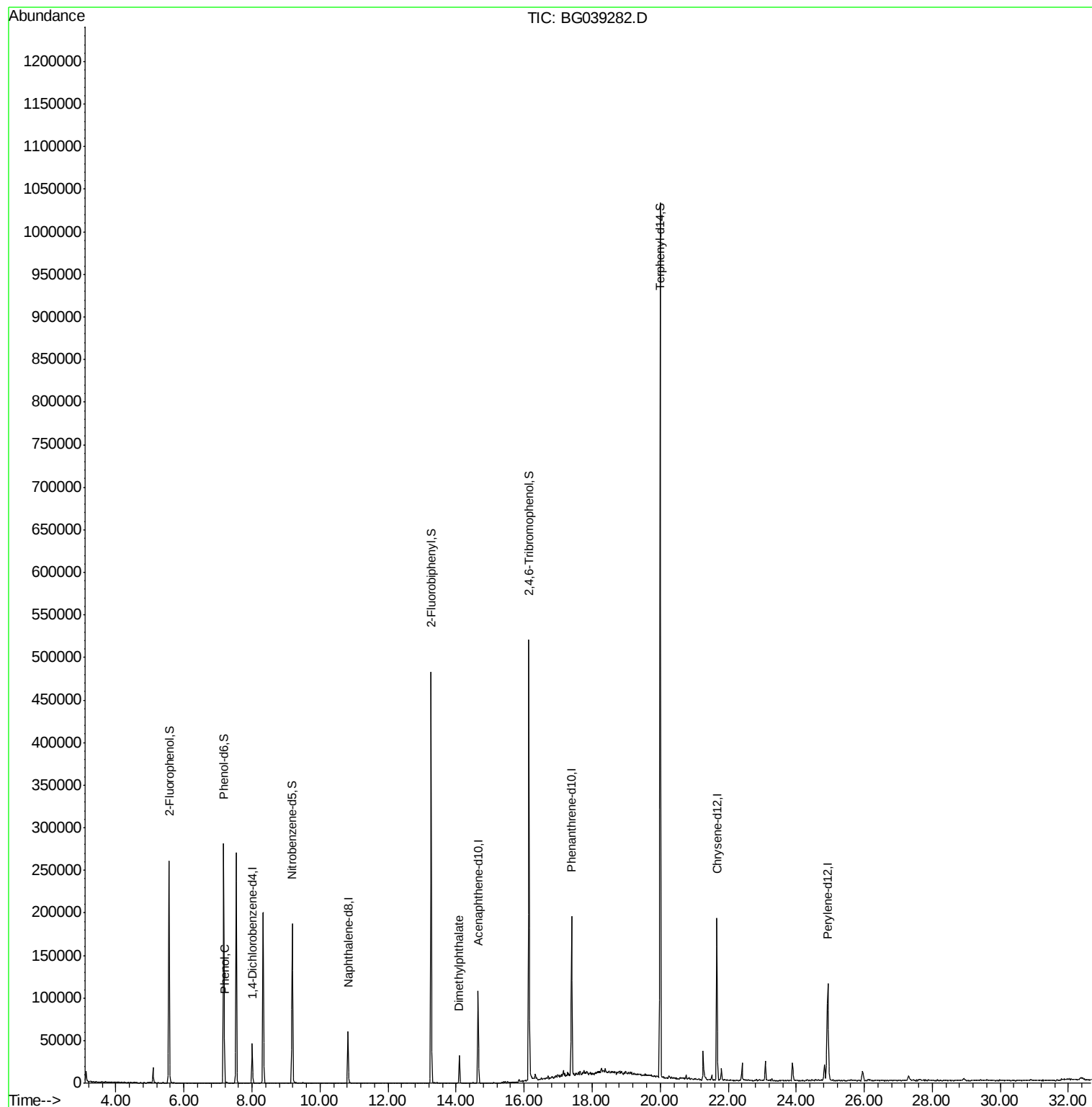
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.01  | 152  | 15094    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.82 | 136  | 58987    | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.64 | 164  | 40316    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.39 | 188  | 117865   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.67 | 240  | 123484   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 24.93 | 264  | 144913   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.56  | 112  | 118666   | 149.14 | ng    | 0.00     |
| 7) Phenol-d6                | 7.17  | 99   | 163843   | 143.08 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.18  | 82   | 107664   | 99.87  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.14 | 330  | 113323   | 167.69 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.26 | 172  | 263608   | 89.48  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.00 | 244  | 527860   | 79.08  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.19  | 94   | 2737     | 2.384  | ng    | 75       |
| 50) Dimethylphthalate       | 14.10 | 163  | 24980    | 7.332  | ng    | 99       |

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

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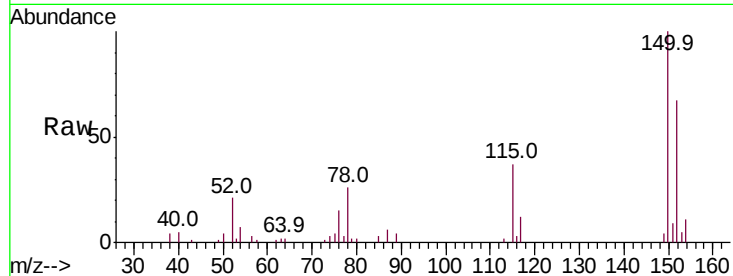


#1

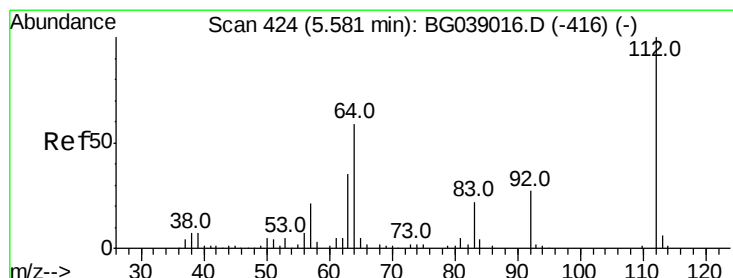
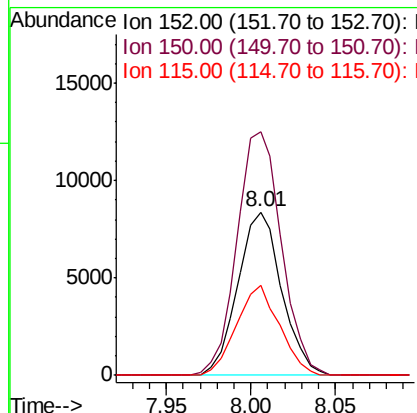
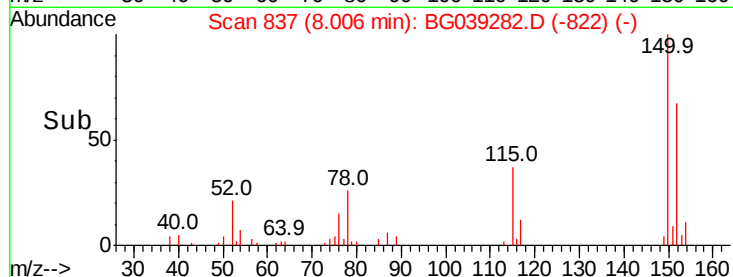
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.01 min Scan# 837  
Delta R.T. -0.01 min  
Lab File: BG039282.D  
Acq: 25 Jan 2019 17:22

Instrument :  
BNA\_G  
ClientSampleId :  
SANDHILL-RO-1-8

Tot Ion:152 Resp: 15094  
Ion Ratio Lower Upper  
152 100  
150 149.4 124.7 187.1  
115 54.9 46.5 69.7



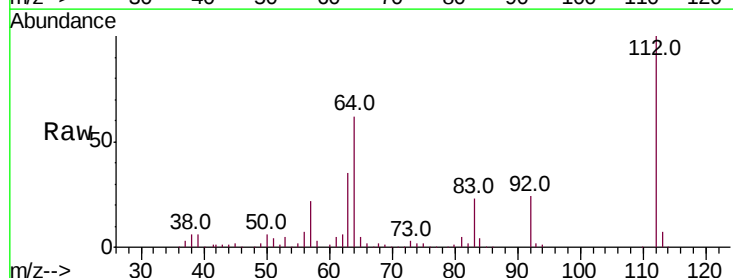
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



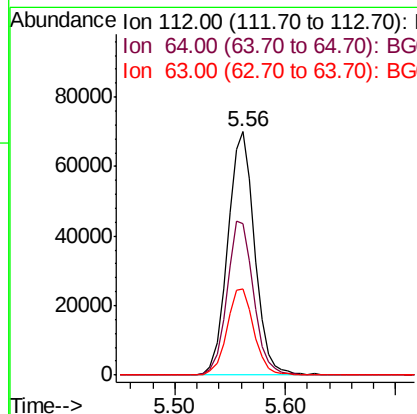
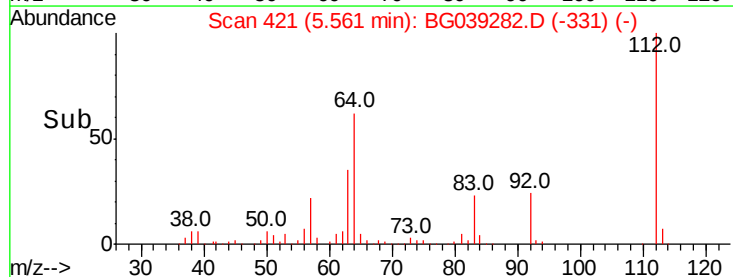
#5

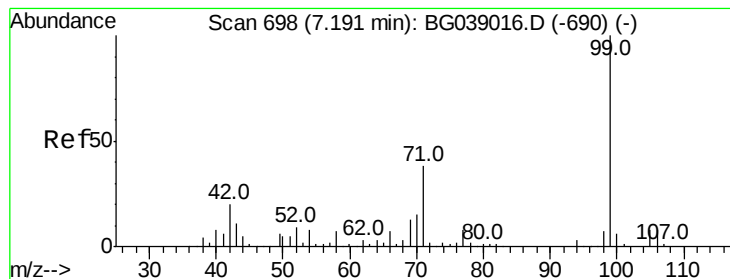
2-Fluorophenol  
Concen: 149.137 ng  
RT: 5.56 min Scan# 421  
Delta R.T. -0.00 min  
Lab File: BG039282.D  
Acq: 25 Jan 2019 17:22

Tgt Ion:112 Resp: 118666  
Ion Ratio Lower Upper  
112 100  
64 62.4 47.0 70.6  
63 35.5 28.0 42.0



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: 143.083 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG039282.D

Acq: 25 Jan 2019 17:22

Instrument :

BNA\_G

ClientSampleId :

SANDHILL-RO-1-8

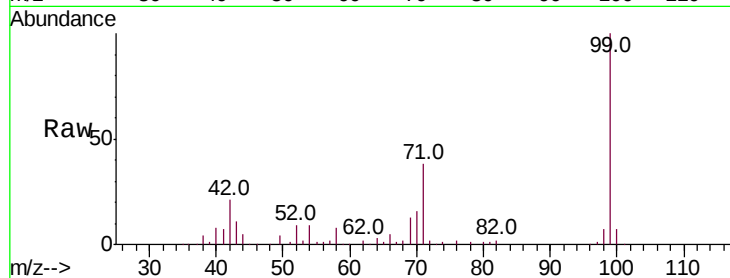
Tot Ion: 99 Resp: 163843

Ion Ratio Lower Upper

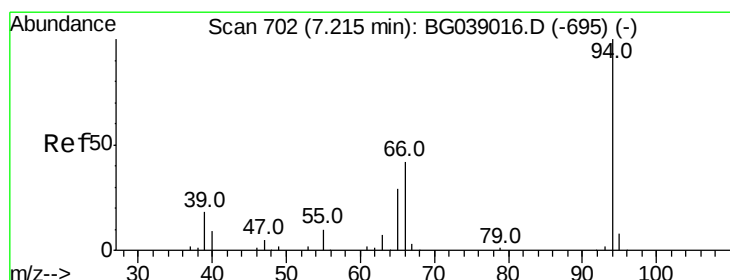
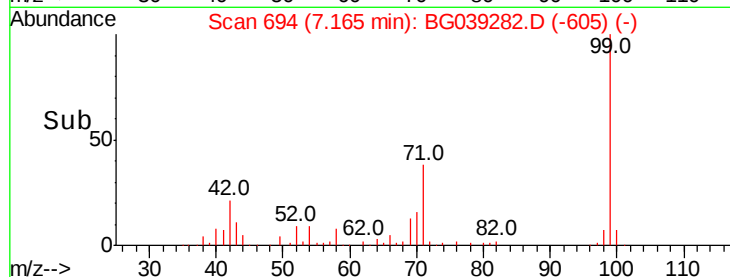
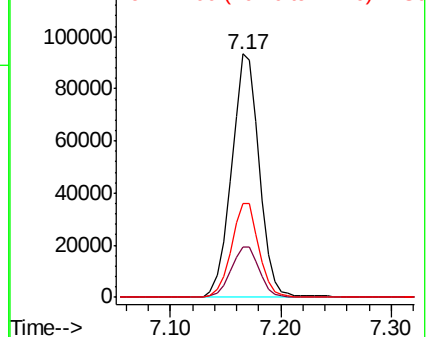
99 100

42 20.7 15.8 23.6

71 38.5 30.2 45.4



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



#10

Phenol

Concen: 2.384 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG039282.D

Acq: 25 Jan 2019 17:22

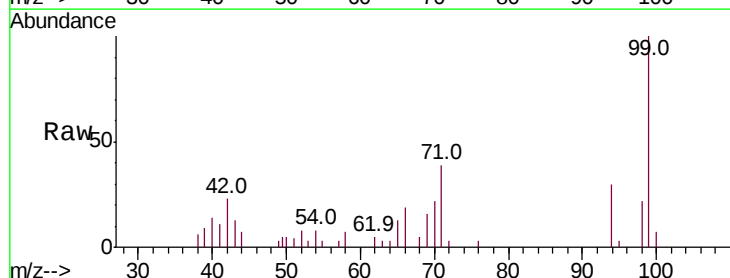
Tgt Ion: 94 Resp: 2737

Ion Ratio Lower Upper

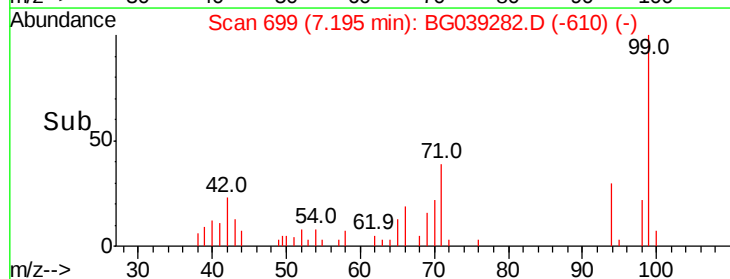
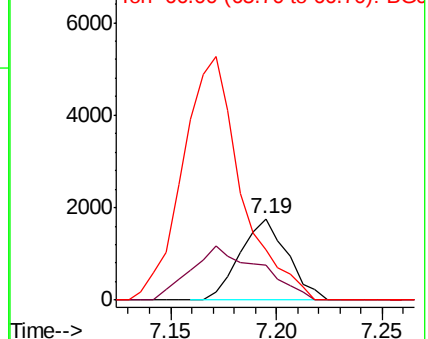
94 100

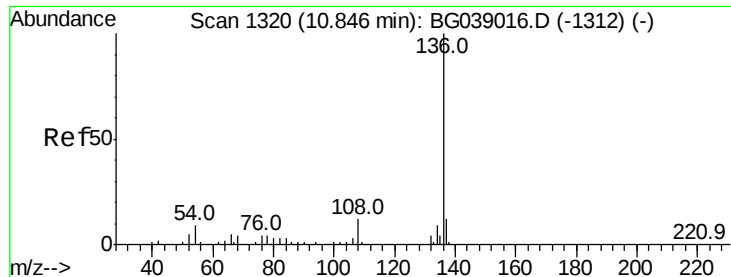
65 42.8 10.3 50.3

66 62.4 25.1 65.1



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

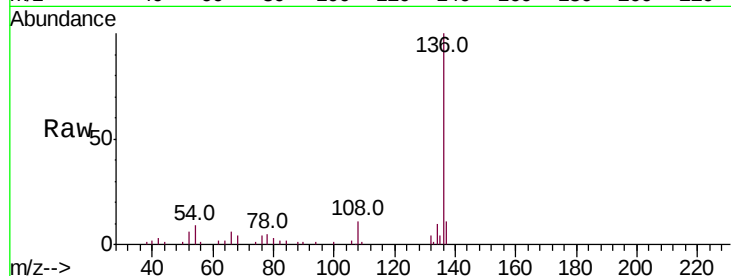




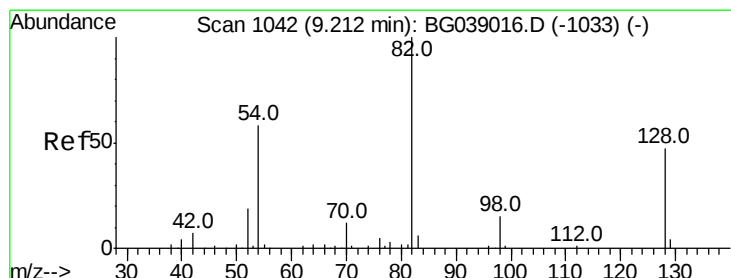
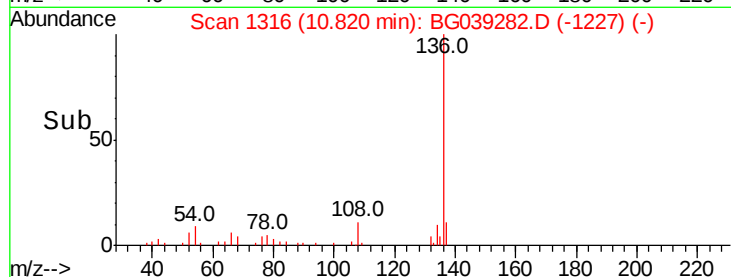
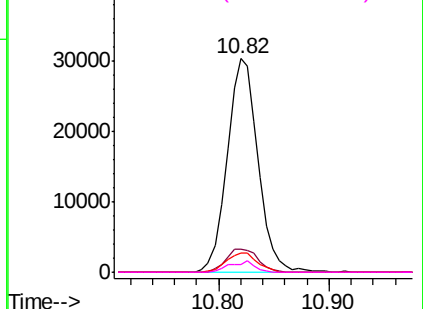
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.82 min Scan# 1316  
Delta R.T. -0.01 min  
Lab File: BG039282.D  
Acq: 25 Jan 2019 17:22

Instrument :  
BNA\_G  
ClientSampleId :  
SANDHILL-RO-1-8

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 58987       |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.6  | 9.4 14.2    |
| 54          | 8.7   | 7.2 10.8    |
| 68          | 3.7   | 3.5 5.3     |

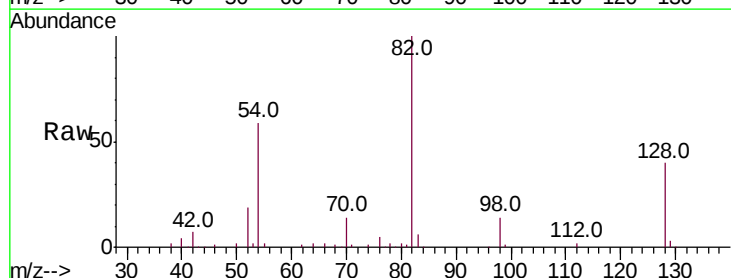


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

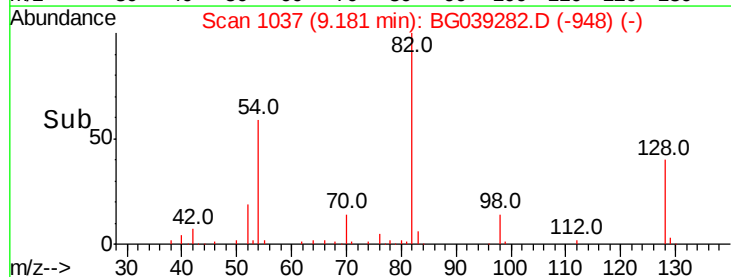
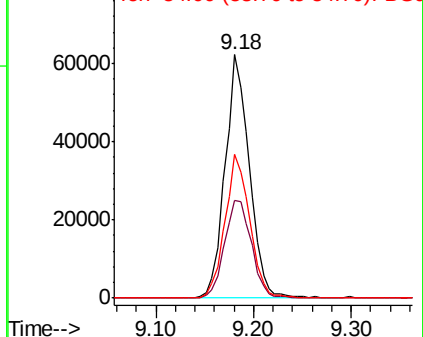


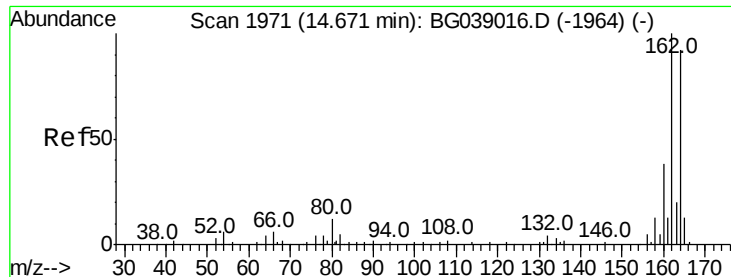
#23  
Nitrobenzene-d5  
Concen: 99.875 ng  
RT: 9.18 min Scan# 1037  
Delta R.T. -0.01 min  
Lab File: BG039282.D  
Acq: 25 Jan 2019 17:22

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 107664      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 40.2  | 37.3 55.9   |
| 54          | 59.2  | 46.4 69.6   |



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG039282.D

Acq: 25 Jan 2019 17:22

Instrument :

BNA\_G

ClientSampleId :

SANDHILL-RO-1-8

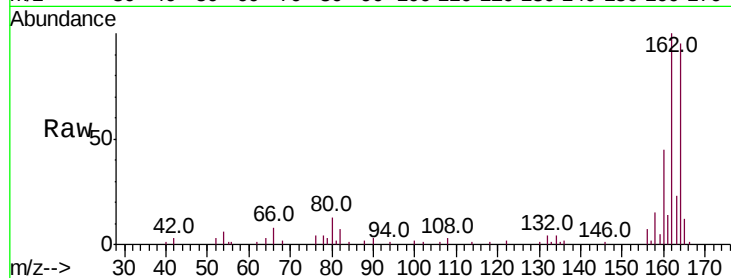
Tot Ion:164 Resp: 40316

Ion Ratio Lower Upper

164 100

162 105.6 87.2 130.8

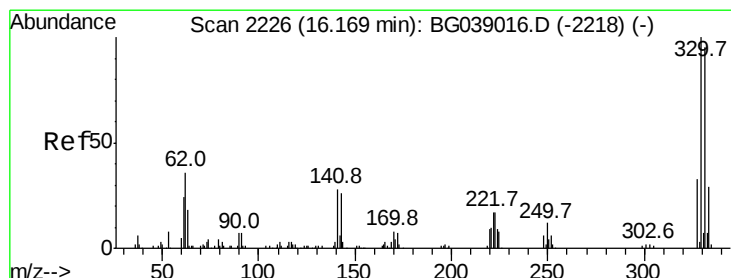
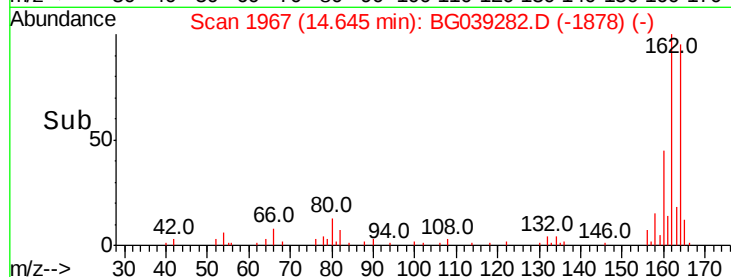
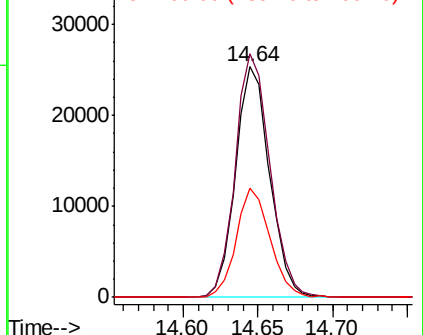
160 47.2 33.3 49.9



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



#42

2,4,6-Tribromophenol

Concen: 167.685 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BG039282.D

Acq: 25 Jan 2019 17:22

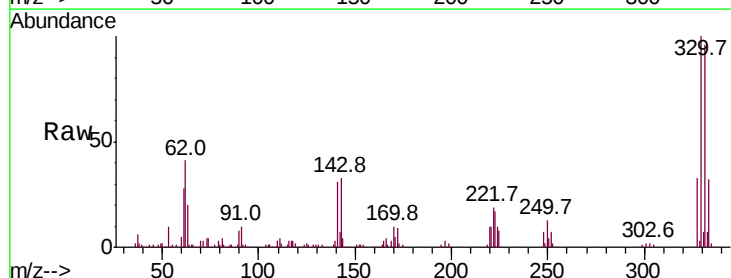
Tgt Ion:330 Resp: 113323

Ion Ratio Lower Upper

330 100

332 96.6 75.7 113.5

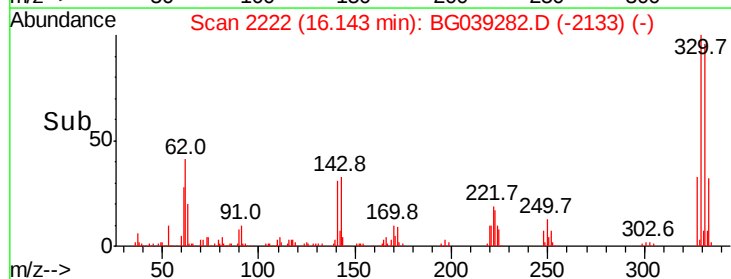
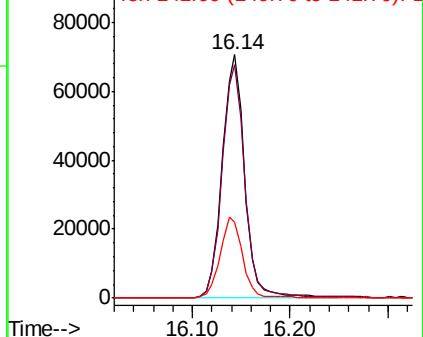
141 32.5 24.9 37.3

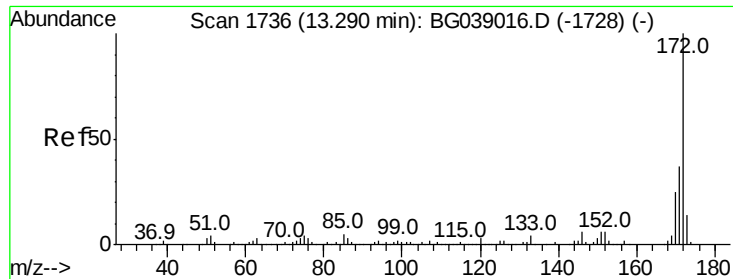


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

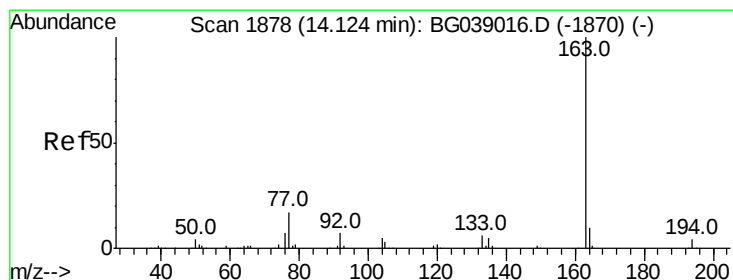
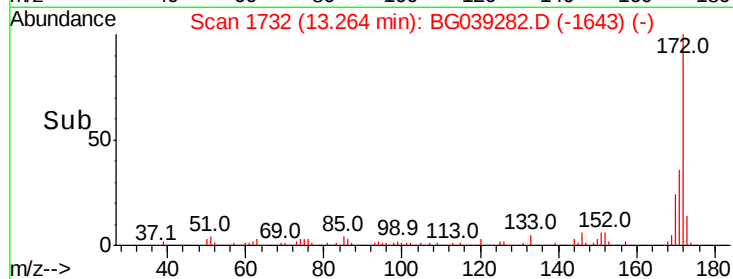
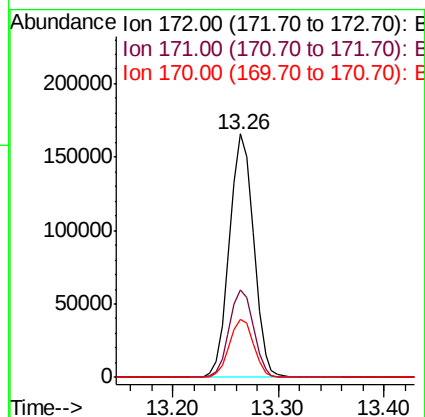
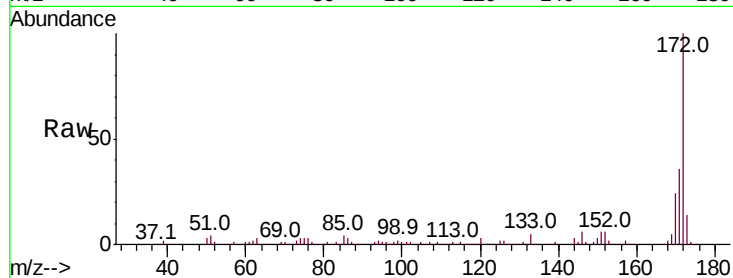




#45  
2-Fluorobiphenyl  
Concen: 89.484 ng  
RT: 13.26 min Scan# 1732  
Delta R.T. -0.01 min  
Lab File: BG039282.D  
Acq: 25 Jan 2019 17:22

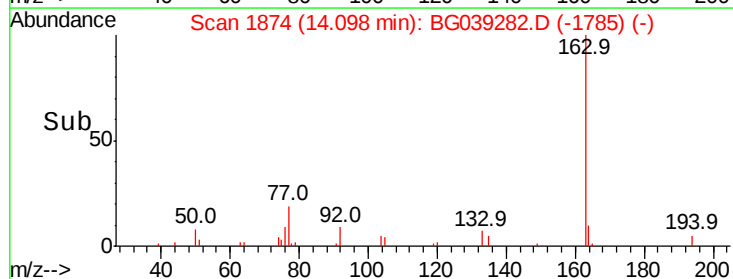
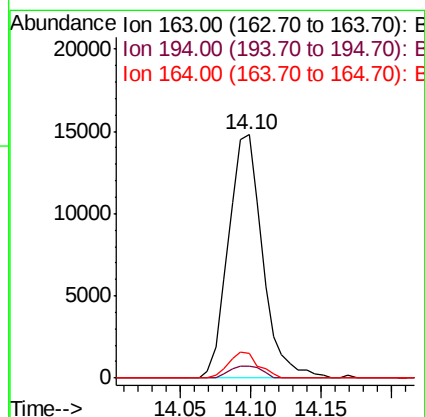
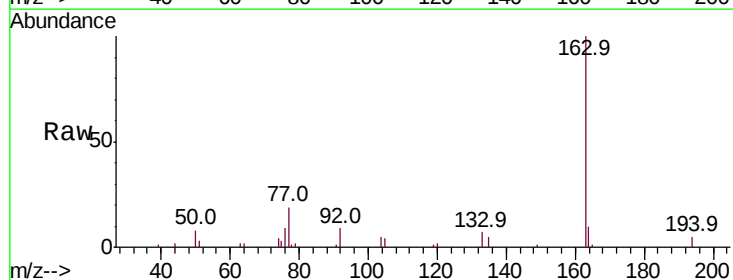
Instrument :  
BNA\_G  
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SANDHILL-RO-1-8

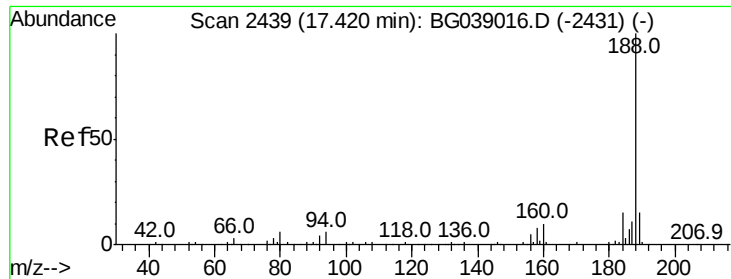
Tot Ion:172 Resp: 263608  
Ion Ratio Lower Upper  
172 100  
171 36.2 29.4 44.0  
170 23.8 20.1 30.1



#50  
Dimethylphthalate  
Concen: 7.332 ng  
RT: 14.10 min Scan# 1874  
Delta R.T. -0.01 min  
Lab File: BG039282.D  
Acq: 25 Jan 2019 17:22

Tgt Ion:163 Resp: 24980  
Ion Ratio Lower Upper  
163 100  
194 5.1 3.6 5.4  
164 10.4 8.2 12.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG039282.D

Acq: 25 Jan 2019 17:22

Instrument :

BNA\_G

ClientSampleId :

SANDHILL-RO-1-8

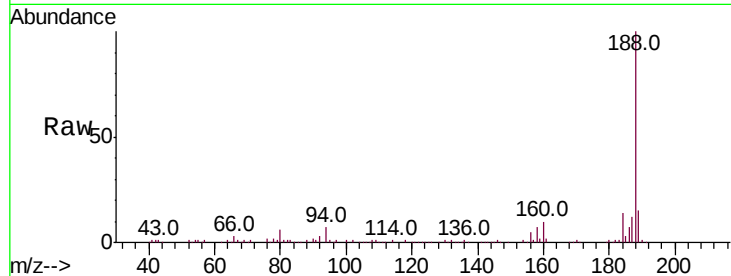
Tot Ion:188 Resp: 117865

Ion Ratio Lower Upper

188 100

94 6.6 5.0 7.4

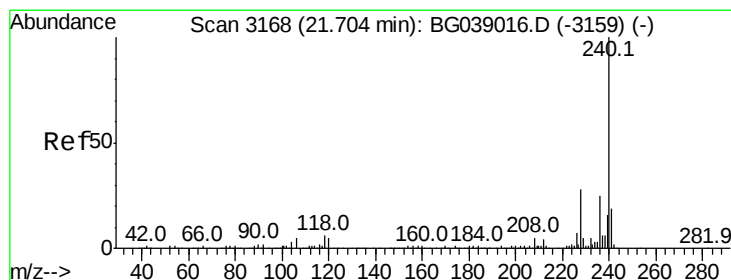
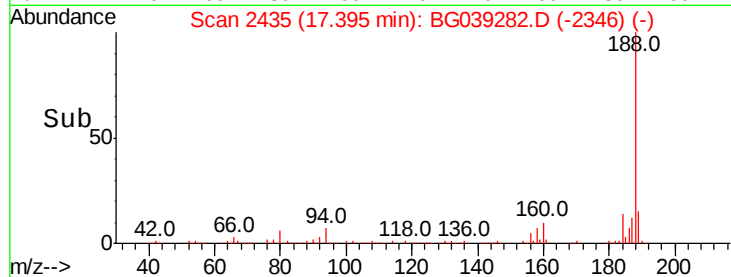
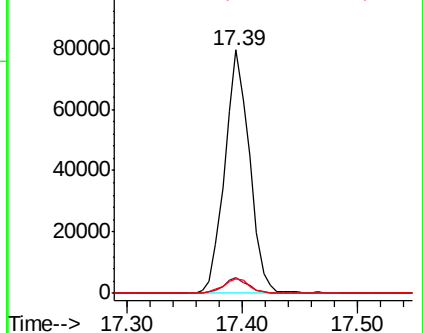
80 6.1 4.7 7.1



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: 21.67 min Scan# 3162

Delta R.T. -0.02 min

Lab File: BG039282.D

Acq: 25 Jan 2019 17:22

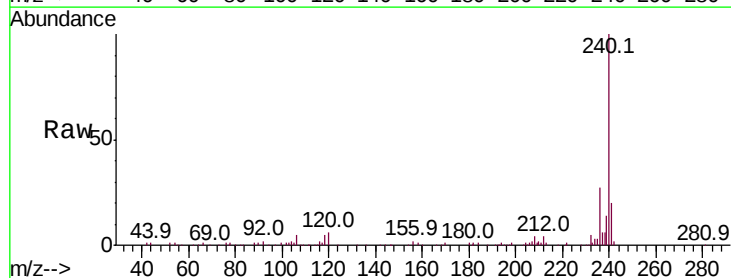
Tgt Ion:240 Resp: 123484

Ion Ratio Lower Upper

240 100

120 6.4 4.3 6.5

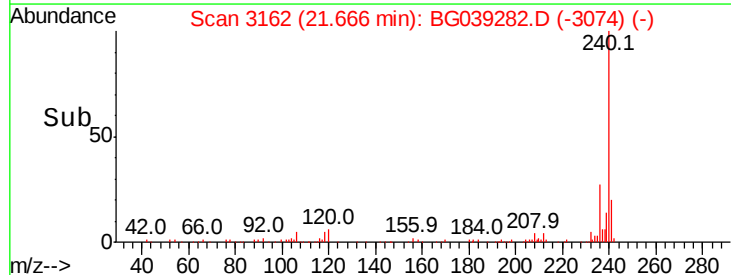
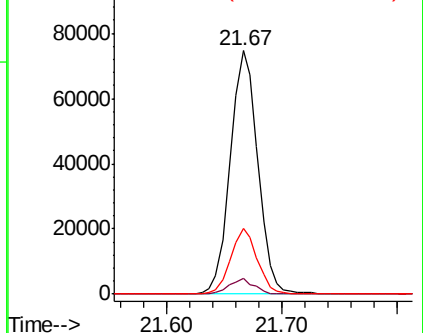
236 27.2 20.1 30.1

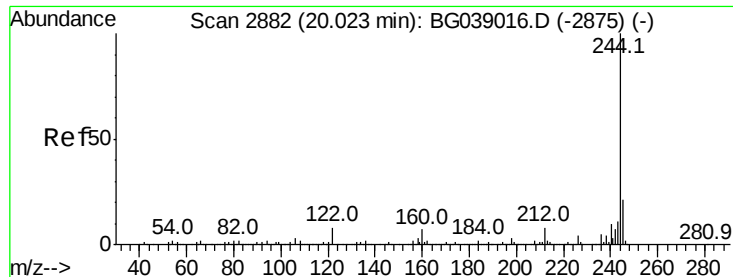


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 79.078 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BG039282.D

Acq: 25 Jan 2019 17:22

Instrument :

BNA\_G

ClientSampleId :

SANDHILL-RO-1-8

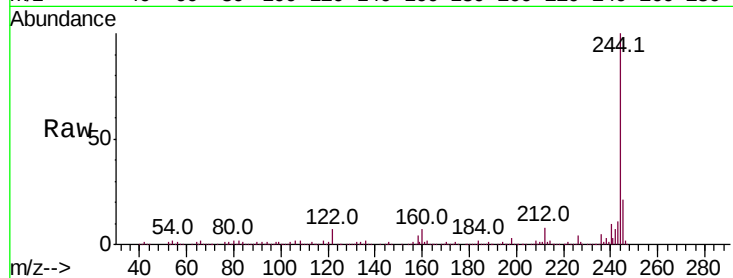
Tot Ion:244 Resp: 527860

Ion Ratio Lower Upper

244 100

212 7.8 6.1 9.1

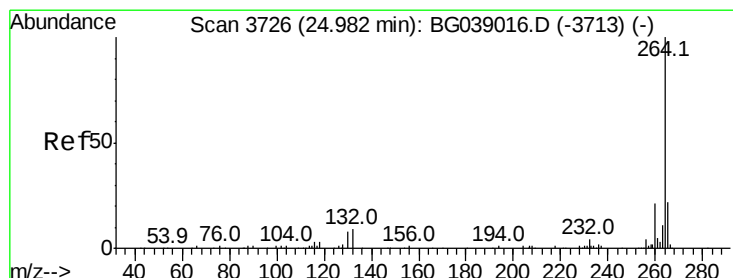
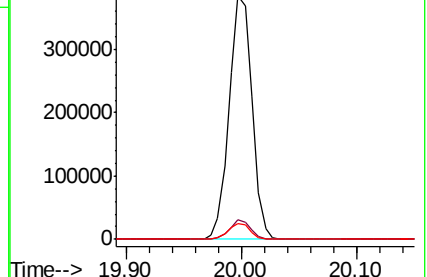
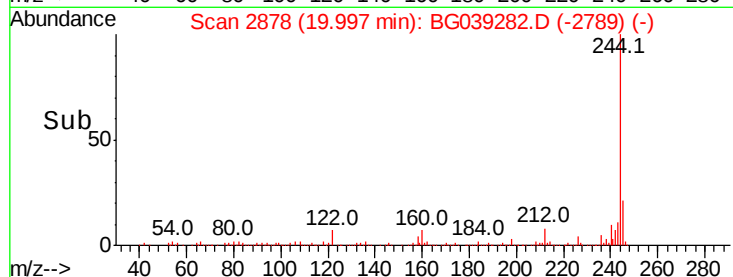
122 6.7 6.1 9.1



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: 24.93 min Scan# 3717

Delta R.T. -0.02 min

Lab File: BG039282.D

Acq: 25 Jan 2019 17:22

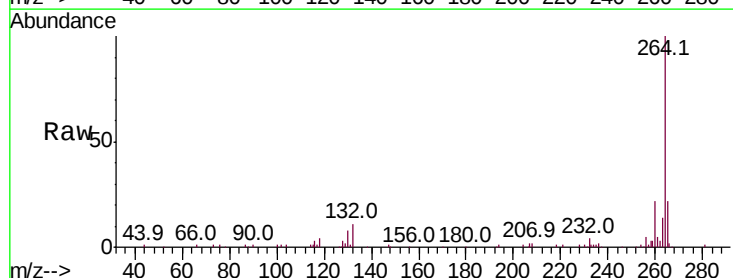
Tgt Ion:264 Resp: 144913

Ion Ratio Lower Upper

264 100

260 22.0 17.0 25.6

265 22.4 17.2 25.8



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

