

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072418\  
 Data File : BG035851.D  
 Acq On : 24 Jul 2018 17:20  
 Operator : JU/SJ  
 Sample : J3762-03  
 Misc : MDL 8PPM  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2018

Quant Time: Jul 25 02:36:18 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 24 14:48:00 2018  
 Response via : Initial Calibration

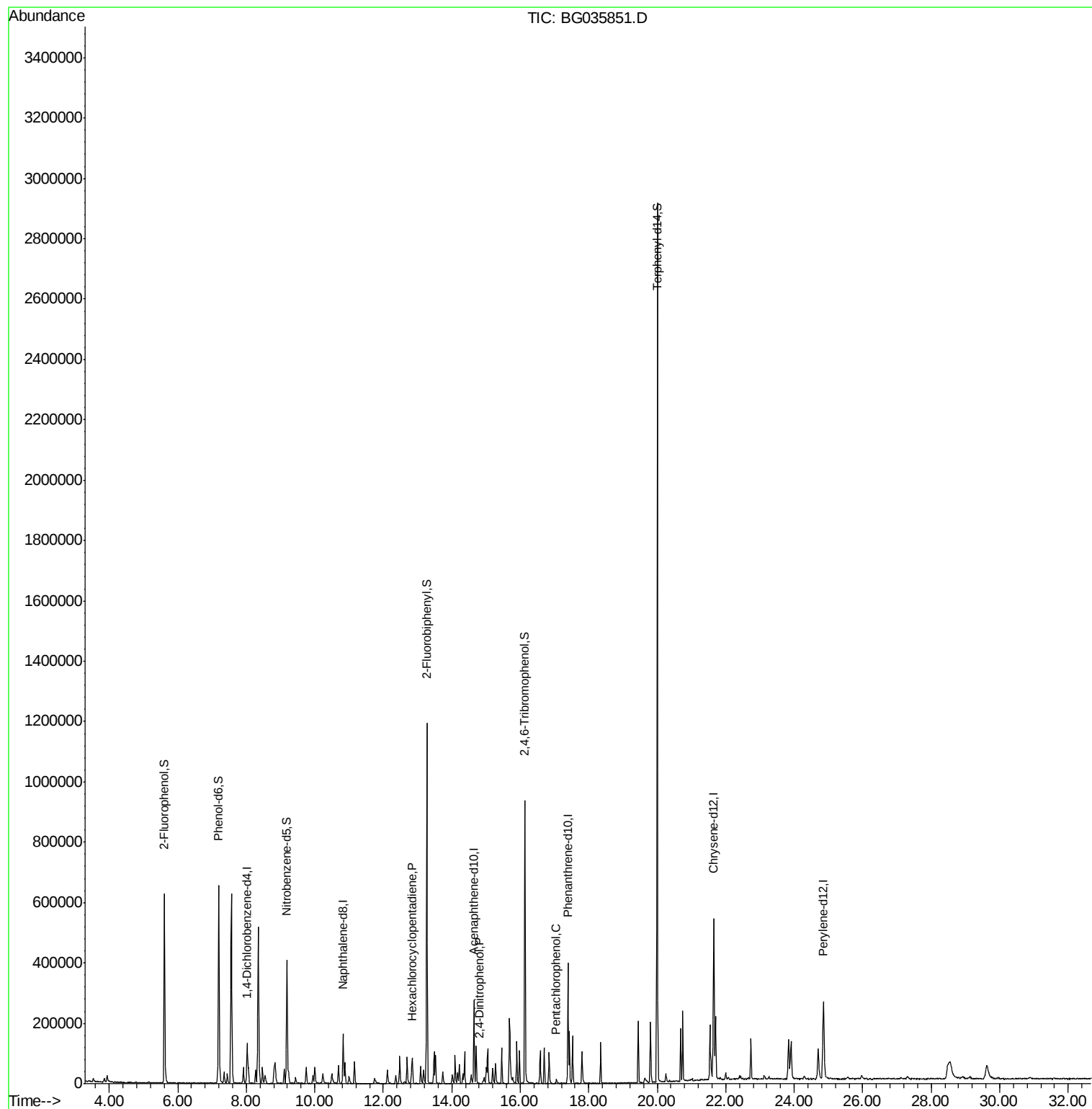
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4     | 8.02  | 152  | 37367    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.83 | 136  | 138002   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10          | 14.65 | 164  | 93953    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10          | 17.39 | 188  | 257433   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12              | 21.65 | 240  | 305172   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 24.85 | 264  | 282524   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |       |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.61  | 112  | 286649   | 127.36 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.19  | 99   | 402080   | 119.74 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.19  | 82   | 280440   | 84.89  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol      | 16.14 | 330  | 174813   | 141.16 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl          | 13.27 | 172  | 642641   | 91.64  | ng    | 0.00     |
| 78) Terphenyl-d14             | 20.00 | 244  | 1389007  | 100.33 | ng    | 0.00     |
| Target Compounds              |       |      |          |        |       |          |
| 40) Hexachlorocyclopentadiene | 12.83 | 237  | 10655    | 5.729  | ng    | 80       |
| 53) 2,4-Dinitrophenol         | 14.80 | 184  | 62       | 6.648  | ng    | # 66     |
| 69) Pentachlorophenol         | 17.06 | 266  | 3640     | 1.943  | ng    | # 75     |

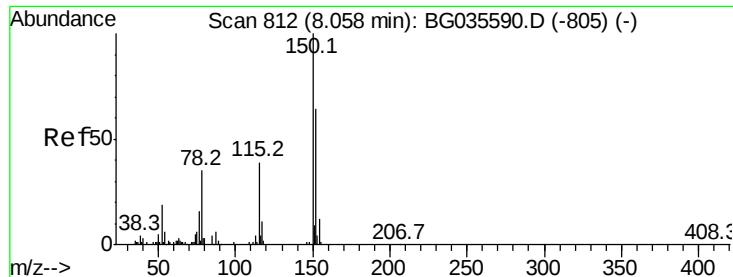
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 24 14:48:00 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 806

Delta R.T. -0.01 min

Lab File: BG035851.D

Acq: 24 Jul 2018 17:20

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2018

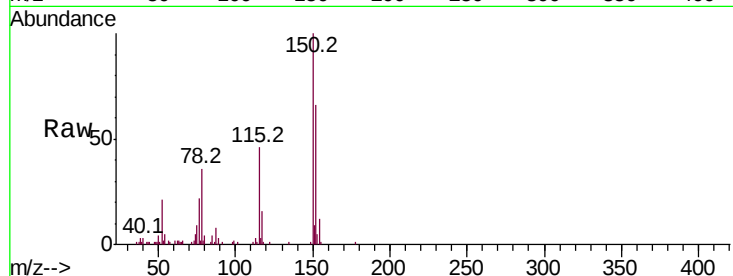
Tot Ion:152 Resp: 37367

Ion Ratio Lower Upper

152 100

150 151.2 126.6 189.8

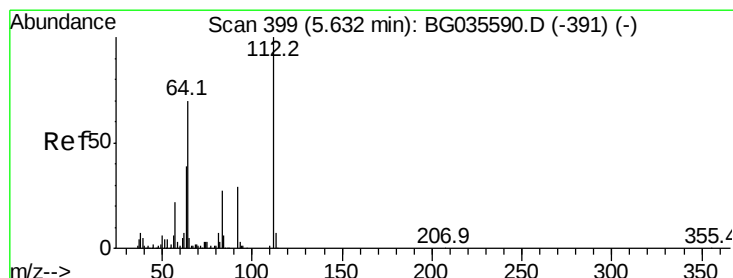
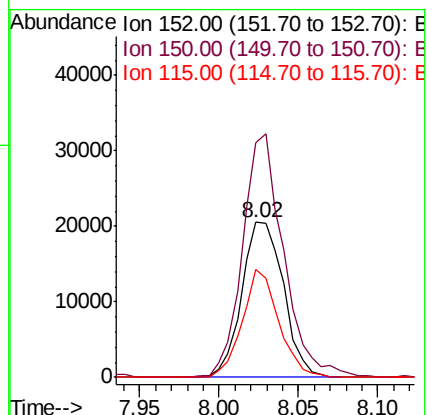
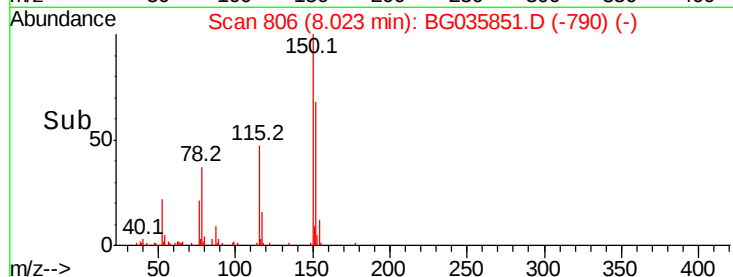
115 69.4 53.0 79.4



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: 127.360 ng

RT: 5.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: BG035851.D

Acq: 24 Jul 2018 17:20

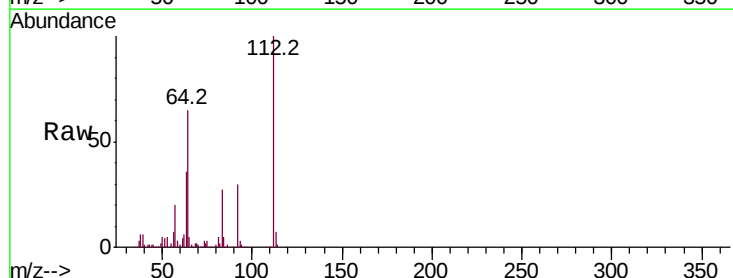
Tgt Ion:112 Resp: 286649

Ion Ratio Lower Upper

112 100

64 65.1 56.3 84.5

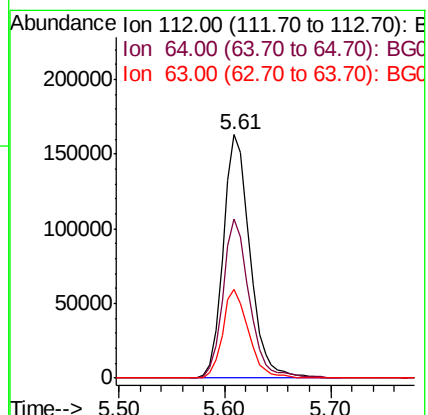
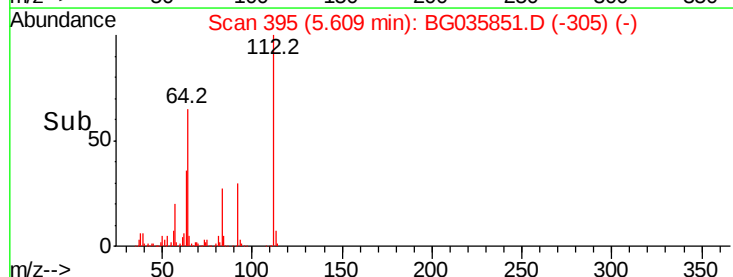
63 36.3 30.1 45.1

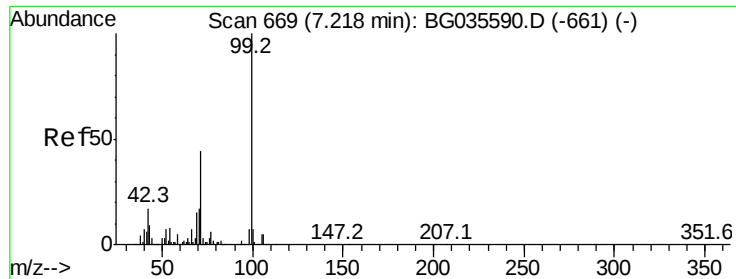


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 119.737 ng

RT: 7.19 min Scan# 665

Delta R.T. 0.00 min

Lab File: BG035851.D

Acq: 24 Jul 2018 17:20

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2018

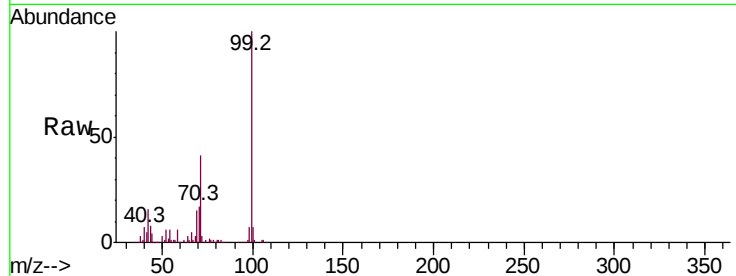
Tot Ion: 99 Resp: 402080

Ion Ratio Lower Upper

99 100

42 16.3 14.1 21.1

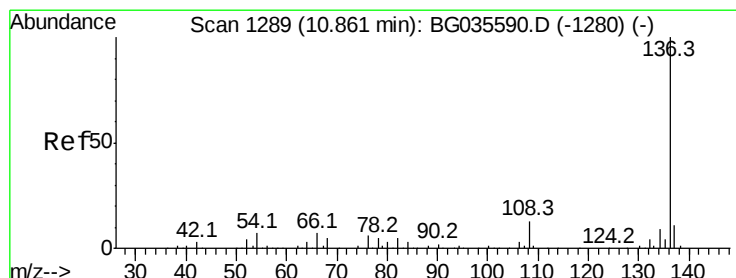
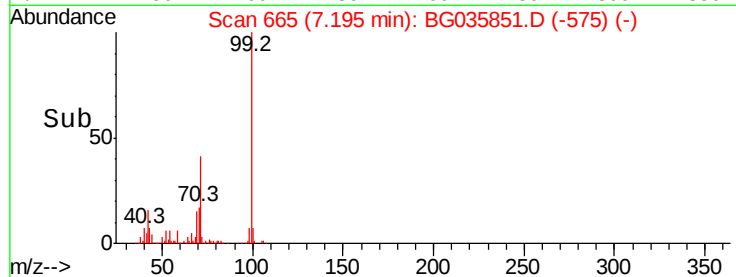
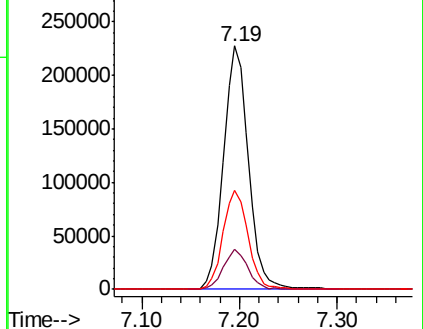
71 40.5 26.1 39.1#



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: 10.83 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BG035851.D

Acq: 24 Jul 2018 17:20

Tgt Ion:136 Resp: 138002

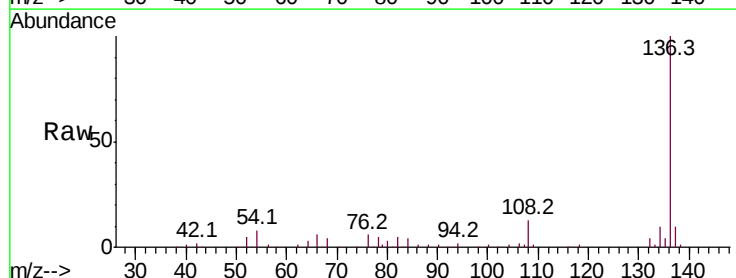
Ion Ratio Lower Upper

136 100

137 9.8 9.2 13.8

54 7.7 10.3 15.5#

68 4.2 4.5 6.7#

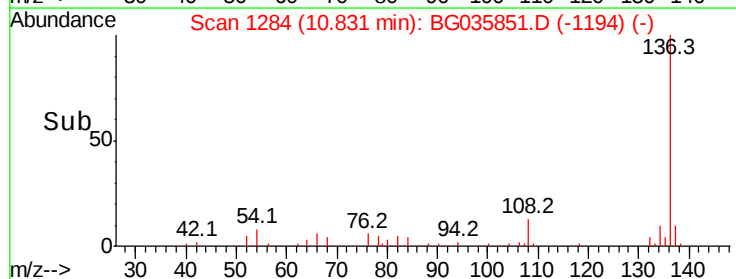
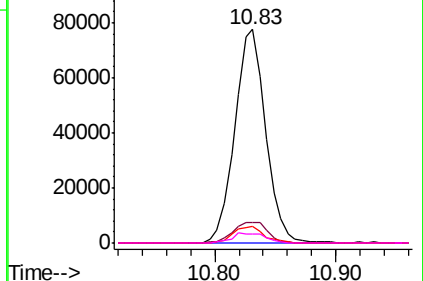


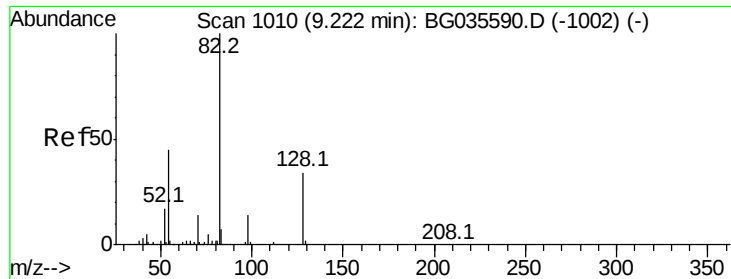
Abundance Ion 136.00 (135.70 to 136.70): E

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

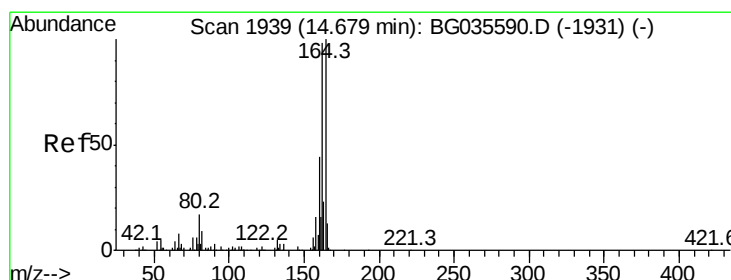
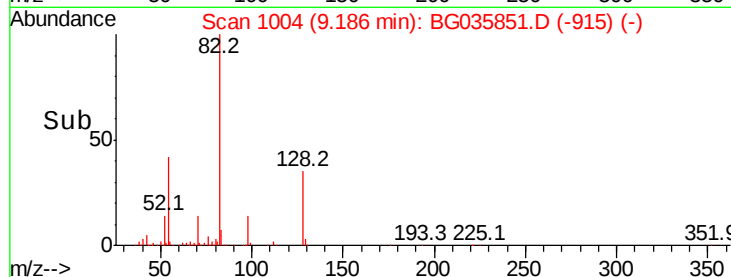
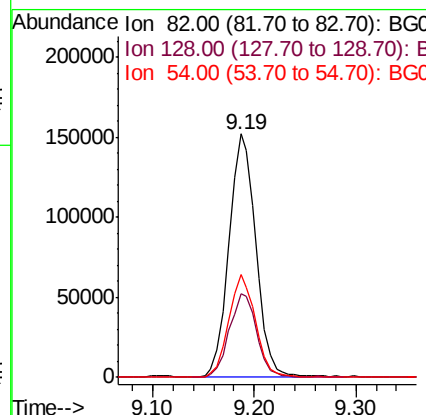
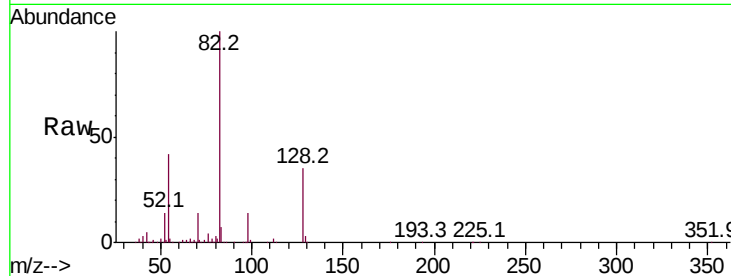




#23  
Nitrobenzene-d5  
Concen: 84.892 ng  
RT: 9.19 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: BG035851.D  
Acq: 24 Jul 2018 17:20

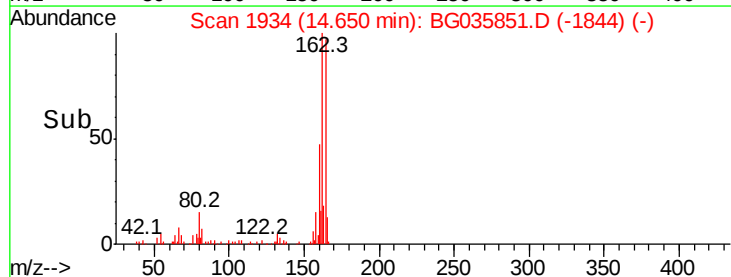
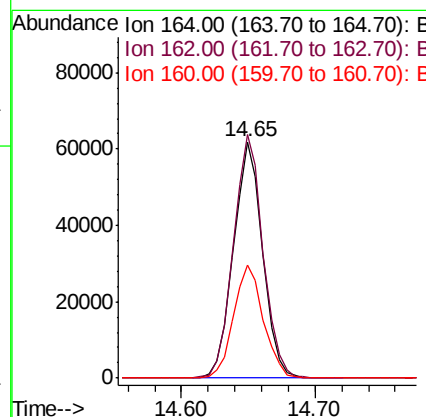
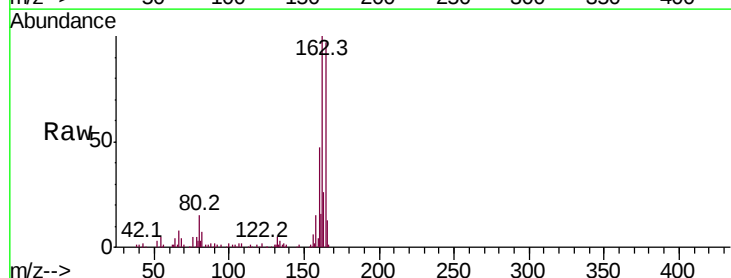
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT3-2018

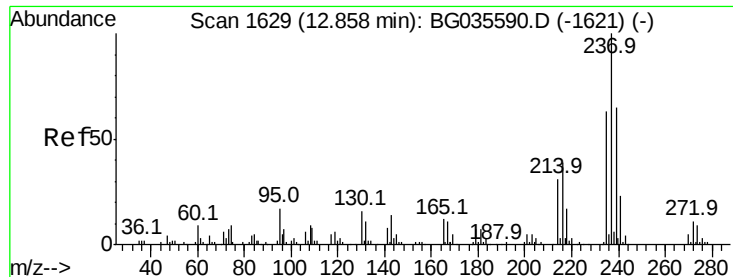
| Tot Ion   | 82   | Resp  | 280440 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 34.6 | 29.7  | 44.5   |
| 54        | 42.3 | 43.1  | 64.7#  |



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.65 min Scan# 1934  
Delta R.T. 0.00 min  
Lab File: BG035851.D  
Acq: 24 Jul 2018 17:20

| Tgt Ion   | 164   | Resp  | 93953 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 162       | 103.2 | 78.8  | 118.2 |
| 160       | 48.1  | 35.4  | 53.0  |





#40

Hexachlorocyclopentadiene

Concen: 5.729 ng

RT: 12.83 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BG035851.D

Acq: 24 Jul 2018 17:20

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2018

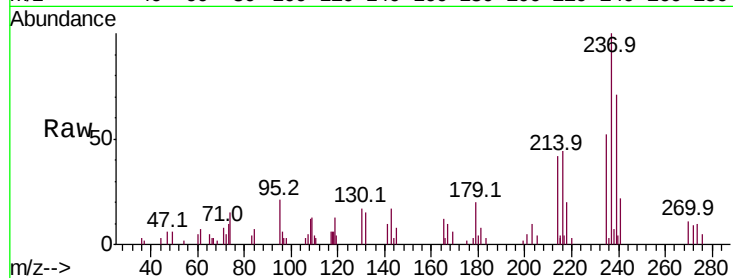
Tot Ion:237 Resp: 10655

Ion Ratio Lower Upper

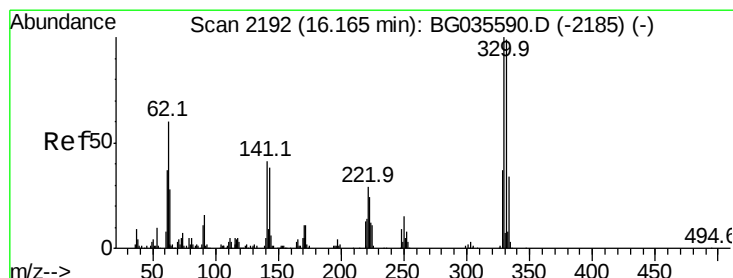
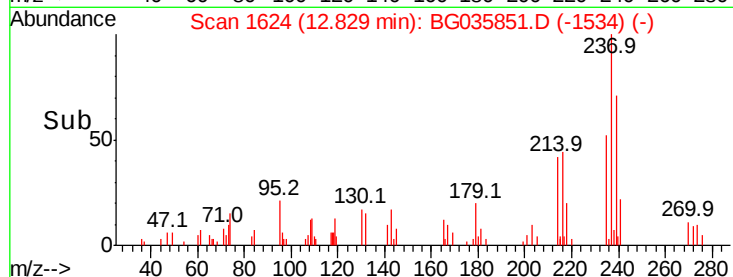
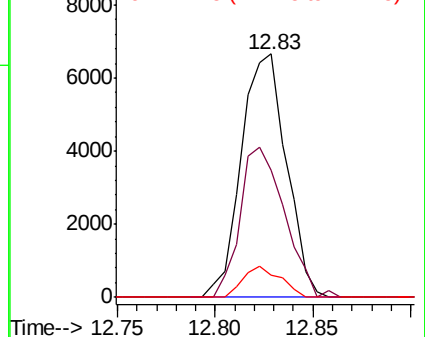
237 100

235 52.4 50.4 90.4

272 9.2 0.0 31.8



Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 141.165 ng

RT: 16.14 min Scan# 2188

Delta R.T. 0.00 min

Lab File: BG035851.D

Acq: 24 Jul 2018 17:20

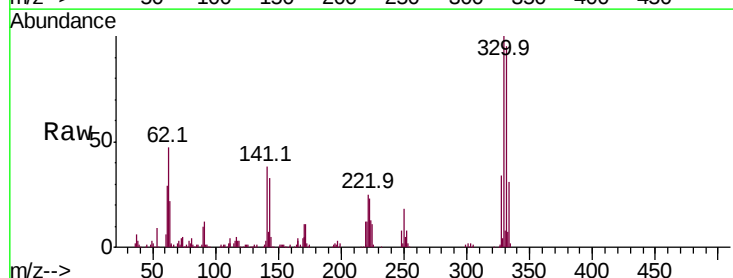
Tgt Ion:330 Resp: 174813

Ion Ratio Lower Upper

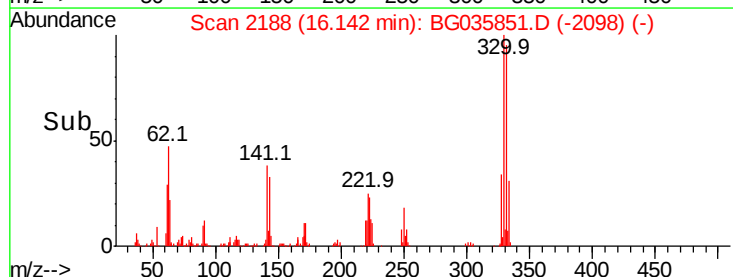
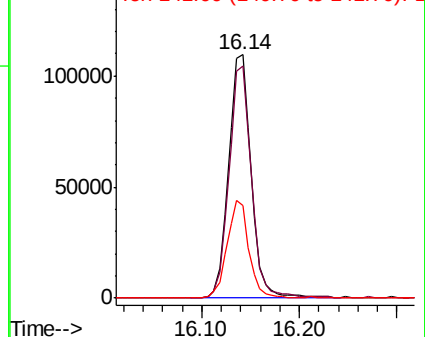
330 100

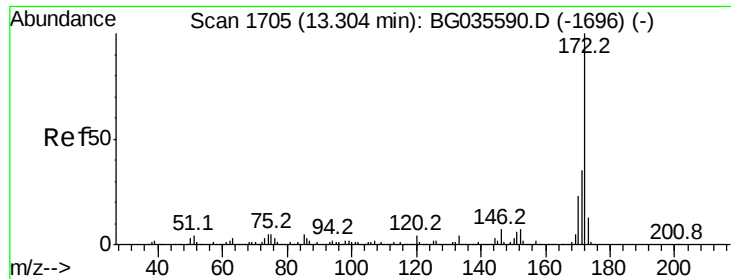
332 94.9 77.0 115.6

141 38.7 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

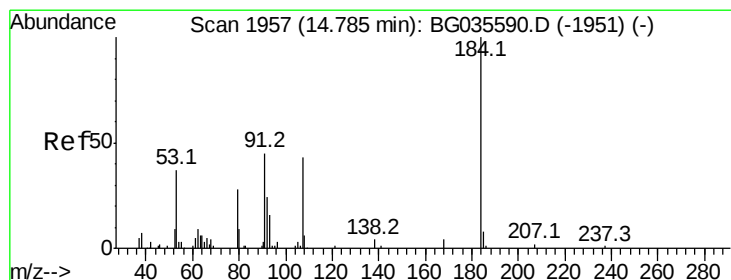
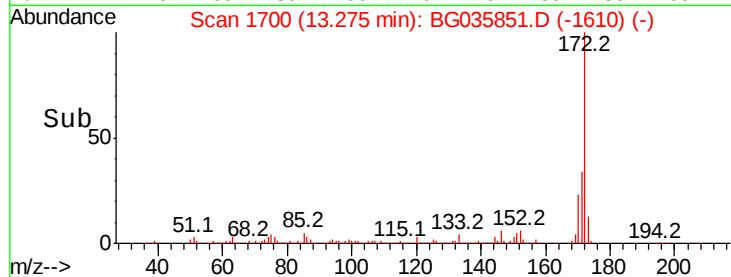
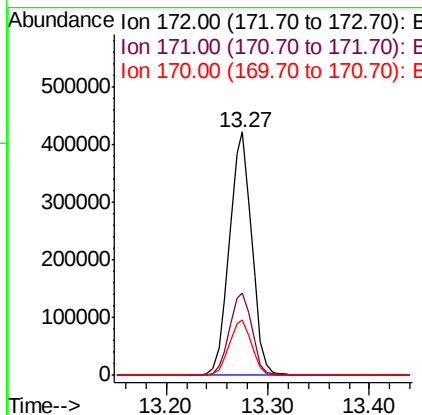
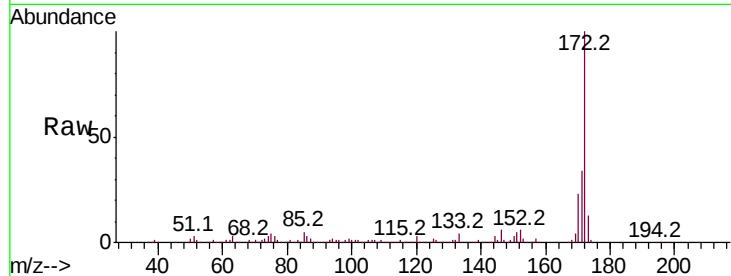




#44  
2-Fluorobiphenyl  
Concen: 91.639 ng  
RT: 13.27 min Scan# 1700  
Delta R.T. 0.00 min  
Lab File: BG035851.D  
Acq: 24 Jul 2018 17:20

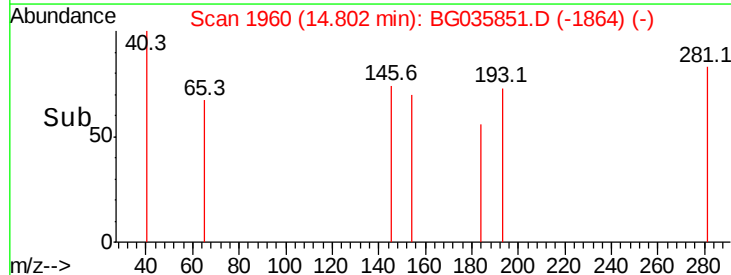
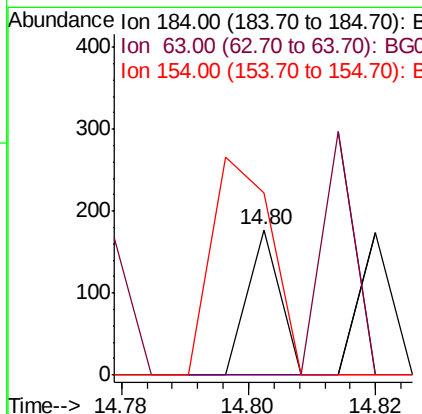
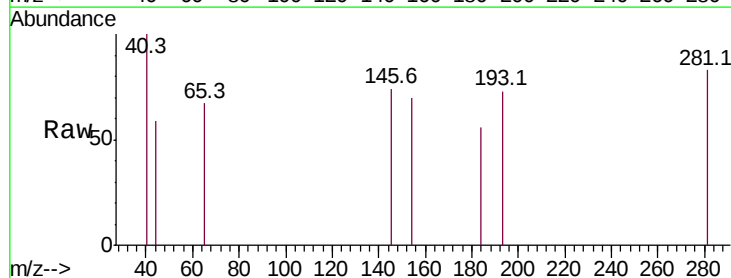
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT3-2018

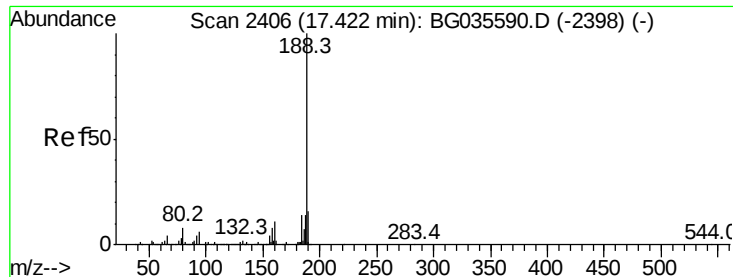
Tot Ion:172 Resp: 642641  
Ion Ratio Lower Upper  
172 100  
171 33.9 30.0 45.0  
170 22.9 19.5 29.3



#53  
2,4-Dinitrophenol  
Concen: 6.648 ng  
RT: 14.80 min Scan# 1960  
Delta R.T. 0.04 min  
Lab File: BG035851.D  
Acq: 24 Jul 2018 17:20

Tgt Ion:184 Resp: 62  
Ion Ratio Lower Upper  
184 100  
63 0.0 59.8 89.8#  
154 125.4 101.8 152.8





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2401

Delta R.T. 0.00 min

Lab File: BG035851.D

Acq: 24 Jul 2018 17:20

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2018

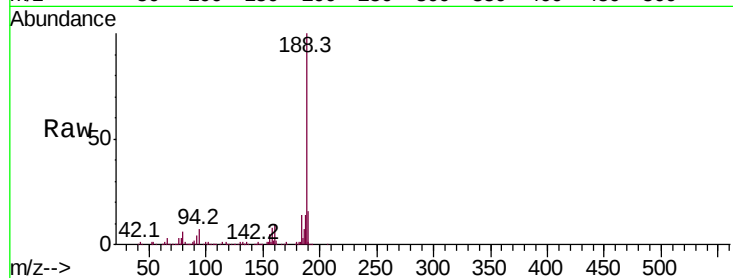
Tot Ion:188 Resp: 257433

Ion Ratio Lower Upper

188 100

94 6.5 6.9 10.3#

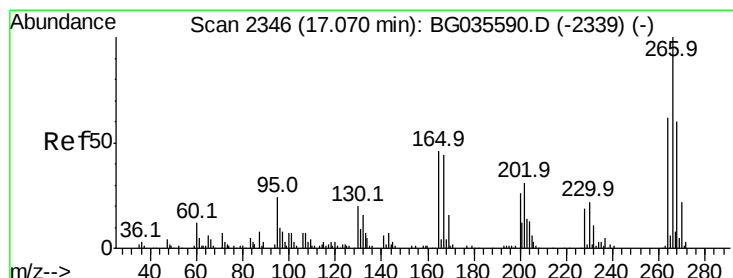
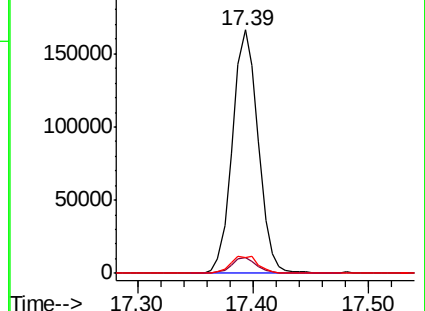
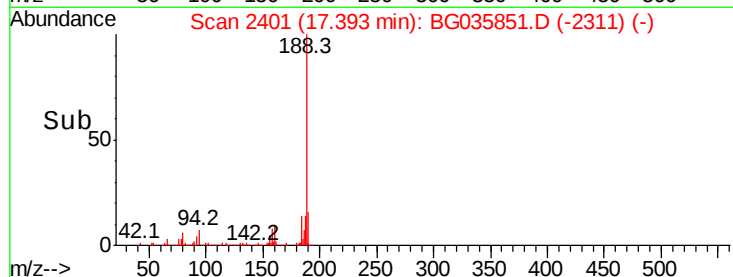
80 6.3 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#69

Pentachlorophenol

Concen: 1.943 ng

RT: 17.06 min Scan# 2344

Delta R.T. 0.01 min

Lab File: BG035851.D

Acq: 24 Jul 2018 17:20

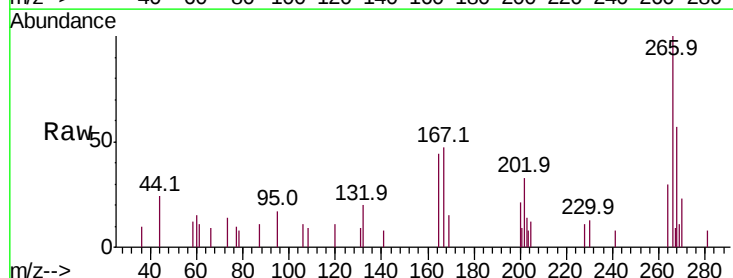
Tgt Ion:266 Resp: 3640

Ion Ratio Lower Upper

266 100

268 57.1 51.1 76.7

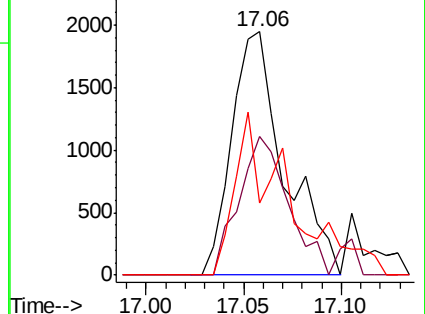
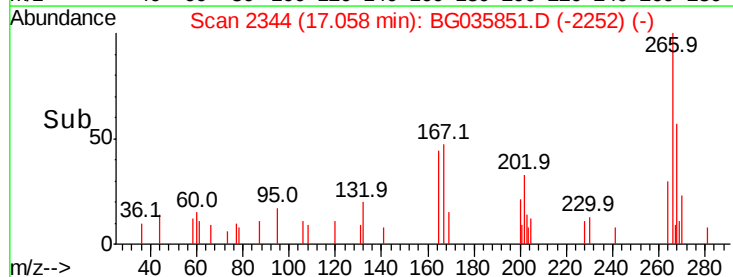
264 29.9 49.6 74.4#

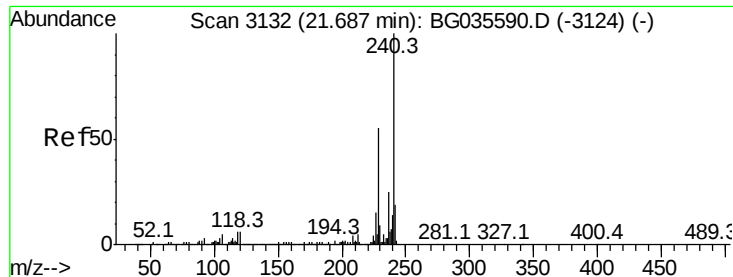


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BG035851.D

Acq: 24 Jul 2018 17:20

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-03-QT3-2018

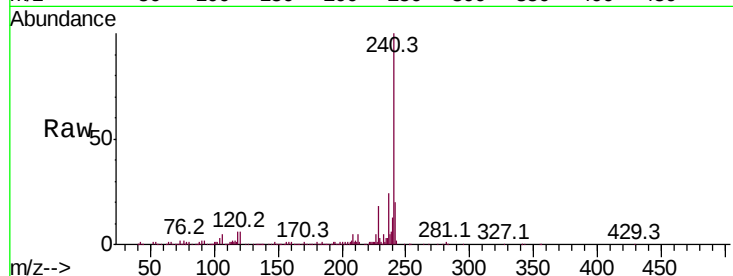
Tot Ion:240 Resp: 305172

Ion Ratio Lower Upper

240 100

120 6.4 6.8 10.2#

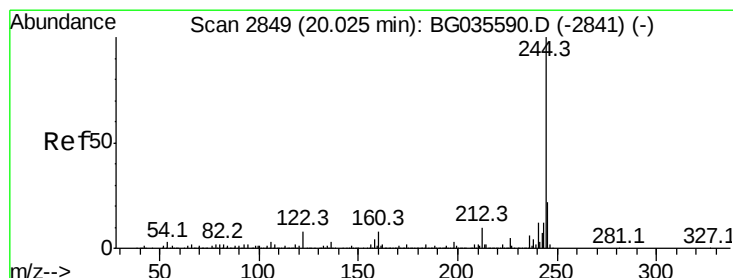
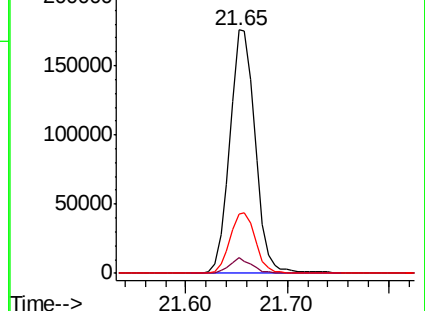
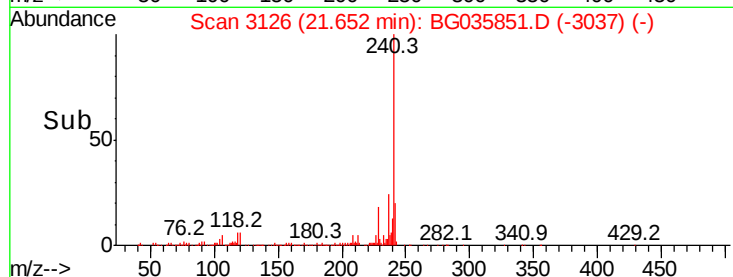
236 24.4 20.9 31.3



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: 100.330 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BG035851.D

Acq: 24 Jul 2018 17:20

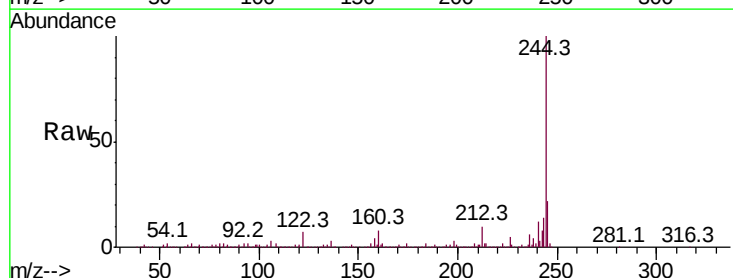
Tgt Ion:244 Resp: 1389007

Ion Ratio Lower Upper

244 100

212 9.7 5.8 8.8#

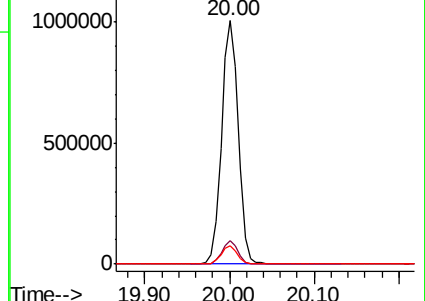
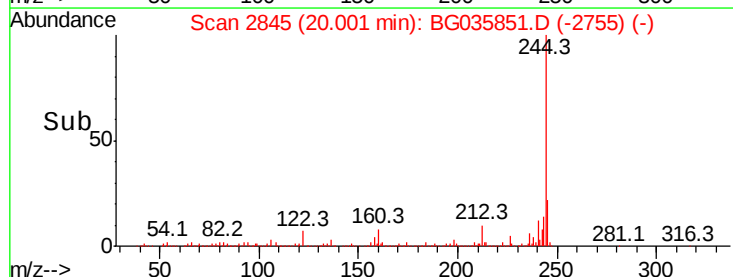
122 7.3 7.0 10.4

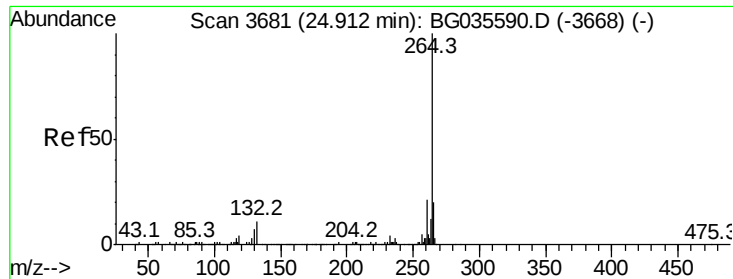


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

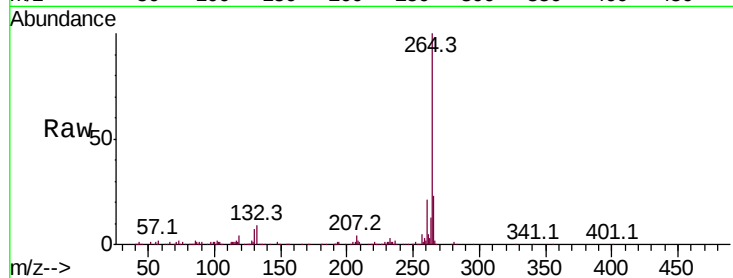




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.85 min Scan# 3671  
Delta R.T. -0.01 min  
Lab File: BG035851.D  
Acq: 24 Jul 2018 17:20

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-03-QT3-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 21.3  | 17.4  | 26.0  |
| 265     | 22.5  | 17.7  | 26.5  |



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

