

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041316\
 Data File : BG021638.D
 Acq On : 14 Apr 2016 2:08
 Operator : UM/SJ
 Sample : PB89789BS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Apr 14 04:22:33 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

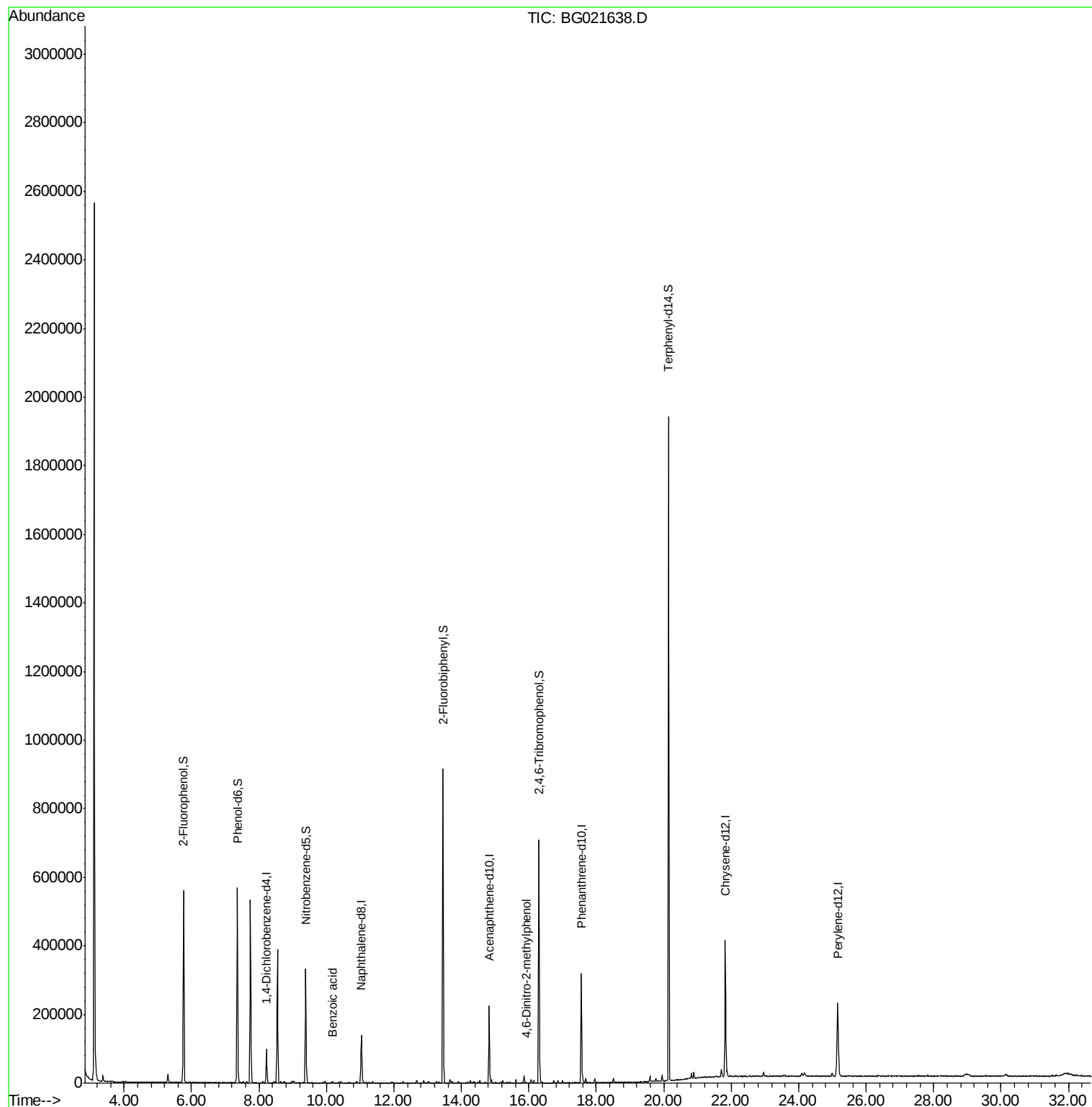
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	27860	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	122646	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	78084	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	198995	20.00	ng	0.00
75) Chrysene-d12	21.83	240	237855	20.00	ng	0.00
86) Perylene-d12	25.15	264	231303	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	238714	142.69	ng	0.00
7) Phenol-d6	7.36	99	342082	136.89	ng	0.00
23) Nitrobenzene-d5	9.38	82	204014	85.50	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	123047	146.22	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	469090	88.02	ng	0.00
78) Terphenyl-d14	20.15	244	829959	87.07	ng	0.00
Target Compounds						
32) Benzoic acid	10.18	122	1601	5.72	ng	# 9
64) 4,6-Dinitro-2-methylphenol	15.92	198	253	5.67	ng	# 42

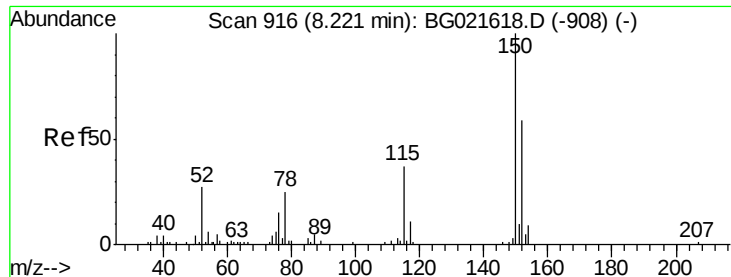
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041316\
Data File : BG021638.D
Acq On : 14 Apr 2016 2:08
Operator : UM/SJ
Sample : PB89789BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Quant Time: Apr 14 04:22:33 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 13 15:48:13 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 915

Delta R.T. -0.01 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

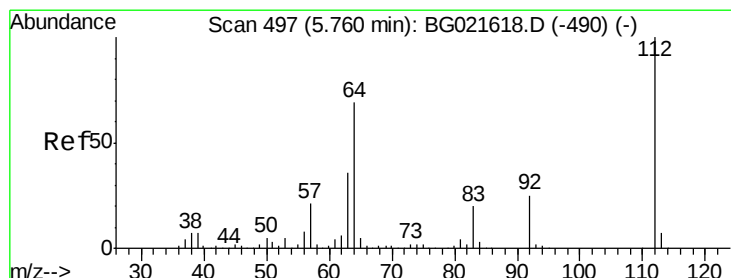
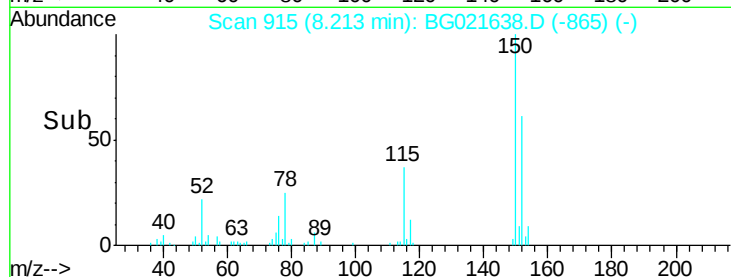
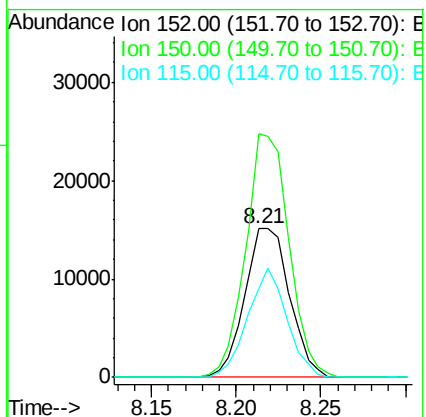
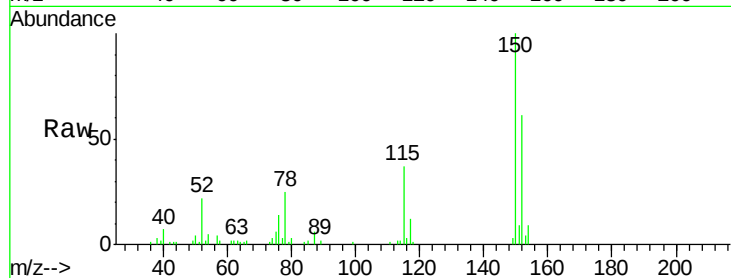
Tgt Ion:152 Resp: 27860

Ion Ratio Lower Upper

152 100

150 163.7 130.1 195.1

115 59.9 62.2 93.2#



#5

2-Fluorophenol

Concen: 142.69 ng

RT: 5.76 min Scan# 498

Delta R.T. 0.00 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

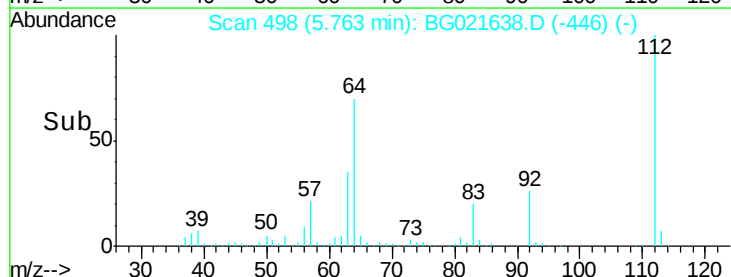
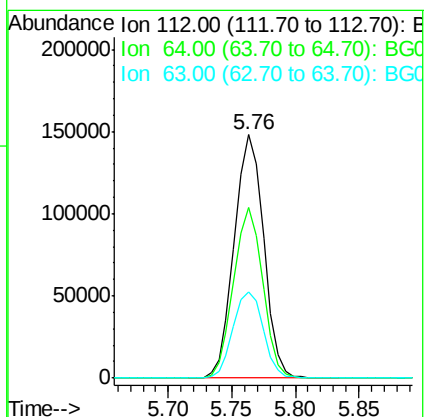
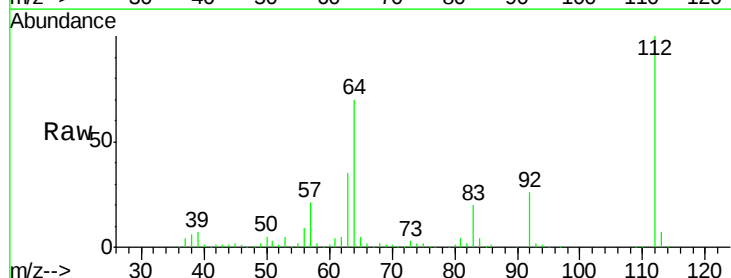
Tgt Ion:112 Resp: 238714

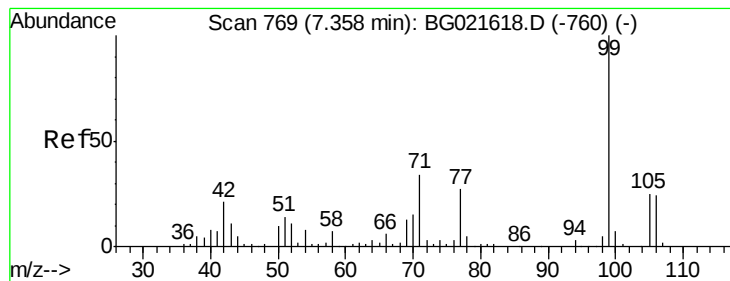
Ion Ratio Lower Upper

112 100

64 70.2 51.1 76.7

63 35.2 24.6 37.0





#7

Phenol-d6

Concen: 136.89 ng

RT: 7.36 min Scan# 770

Delta R.T. 0.00 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

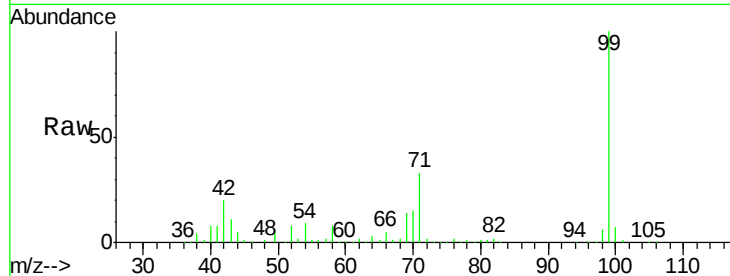
Tgt Ion: 99 Resp: 342082

Ion Ratio Lower Upper

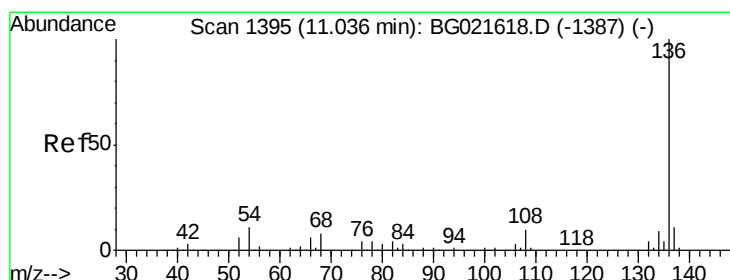
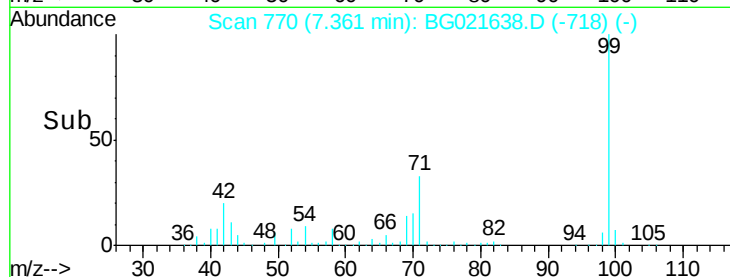
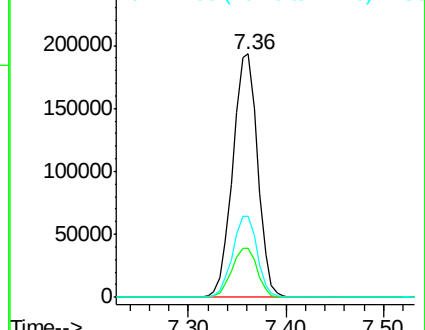
99 100

42 20.1 16.4 24.6

71 33.5 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: 11.03 min Scan# 1395

Delta R.T. -0.00 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Tgt Ion: 136 Resp: 122646

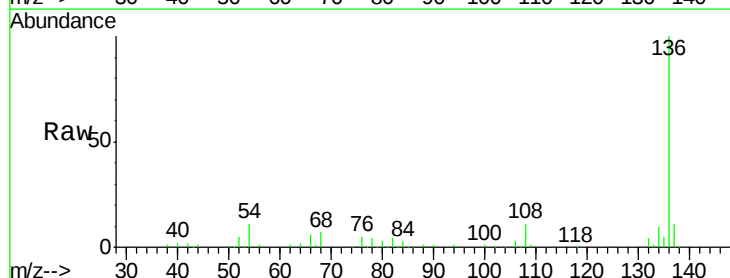
Ion Ratio Lower Upper

136 100

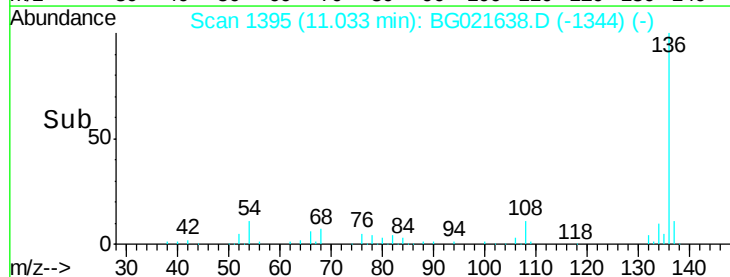
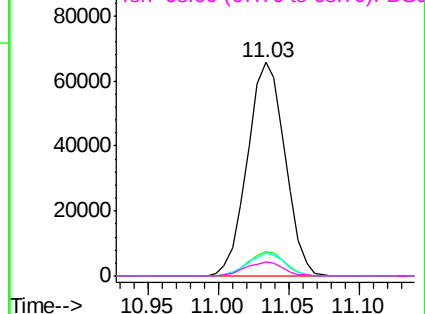
137 11.2 9.0 13.4

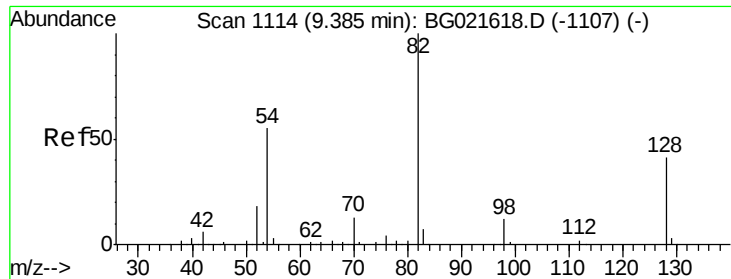
54 10.9 9.6 14.4

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

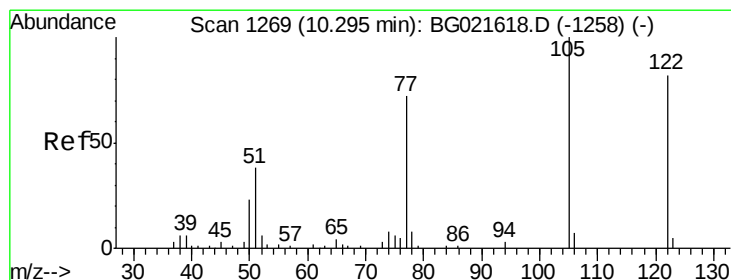
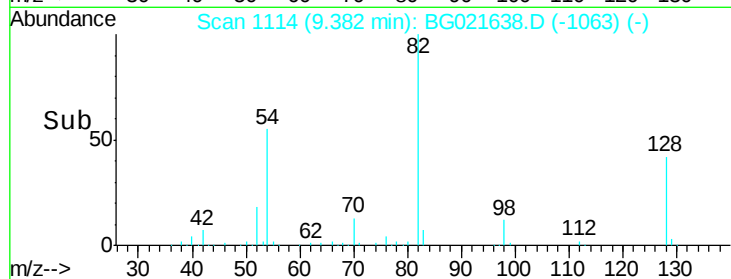
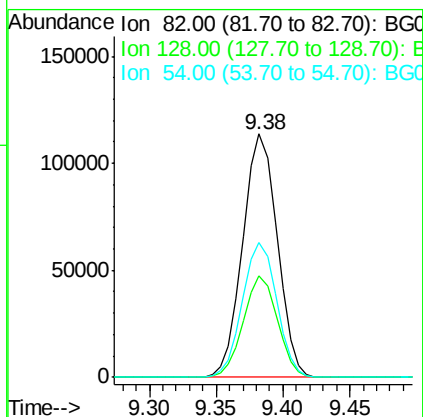
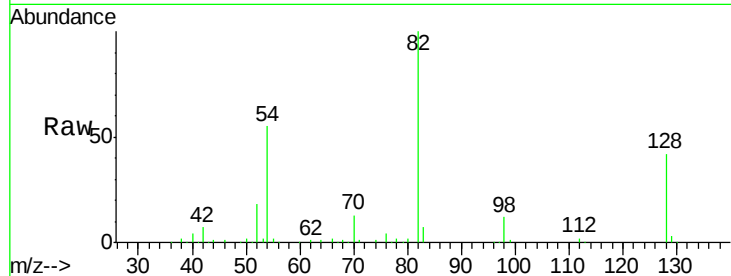




#23
 Nitrobenzene-d5
 Concen: 85.50 ng
 RT: 9.38 min Scan# 1114
 Delta R.T. -0.00 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

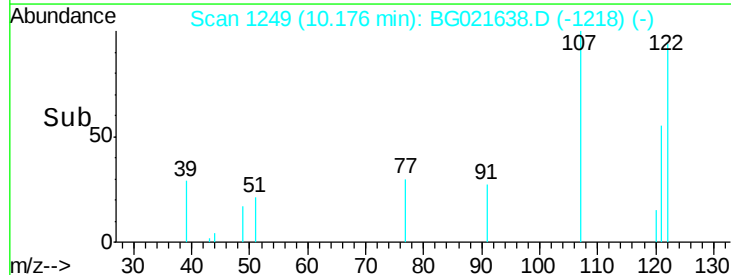
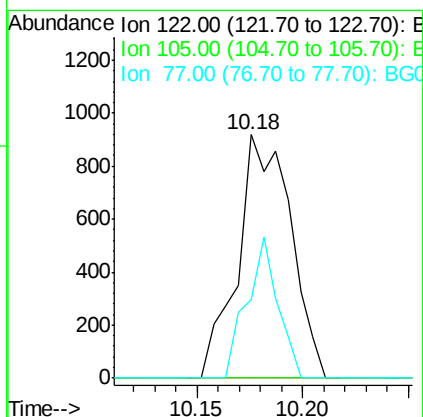
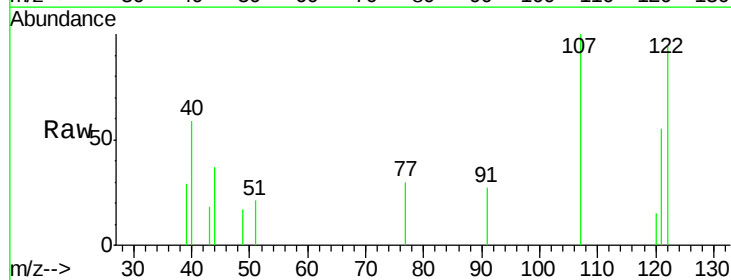
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

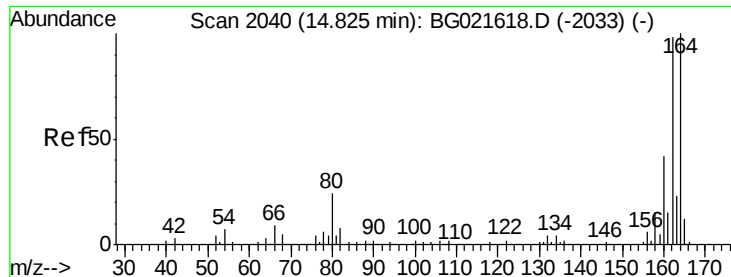
Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.4	50.0
54	55.4	46.1	69.1



#32
 Benzoic acid
 Concen: 5.72 ng
 RT: 10.18 min Scan# 1249
 Delta R.T. -0.12 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	104.5	144.5#
77	32.3	79.9	119.9#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.82 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

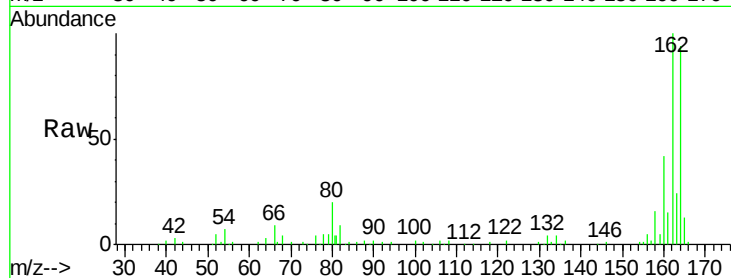
Tgt Ion:164 Resp: 78084

Ion Ratio Lower Upper

164 100

162 106.7 78.0 117.0

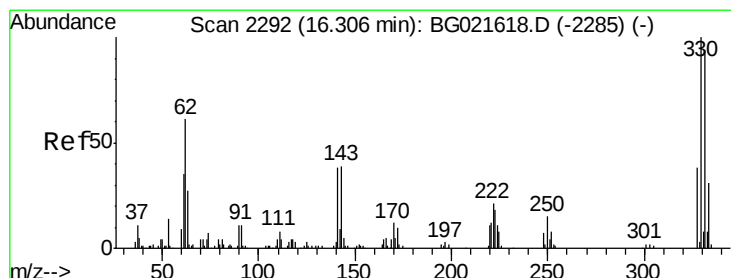
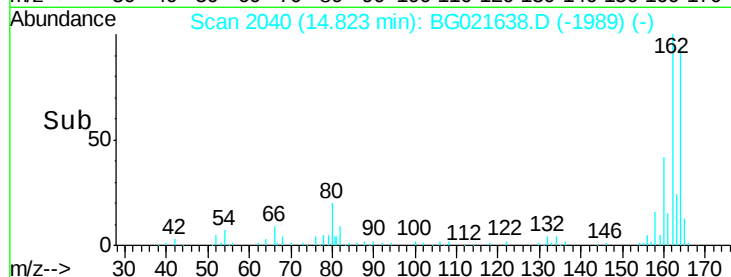
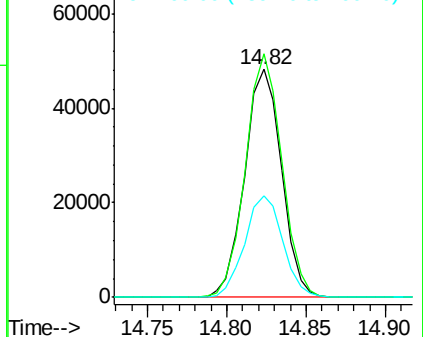
160 44.6 32.9 49.3



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: 146.22 ng

RT: 16.30 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BG021638.D

Acq: 14 Apr 2016 2:08

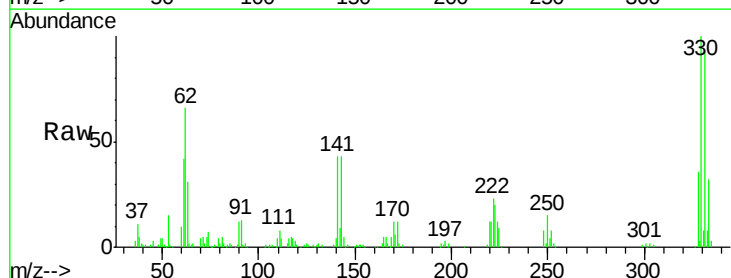
Tgt Ion:330 Resp: 123047

Ion Ratio Lower Upper

330 100

332 94.2 78.0 117.0

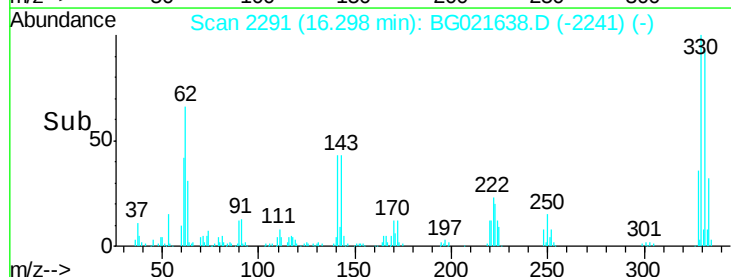
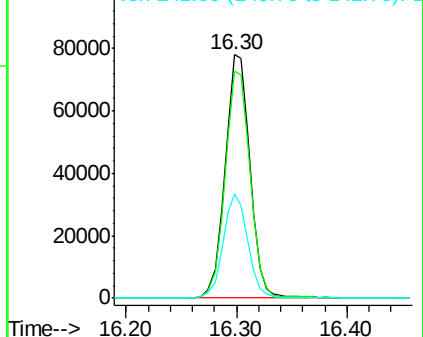
141 42.2 33.8 50.8

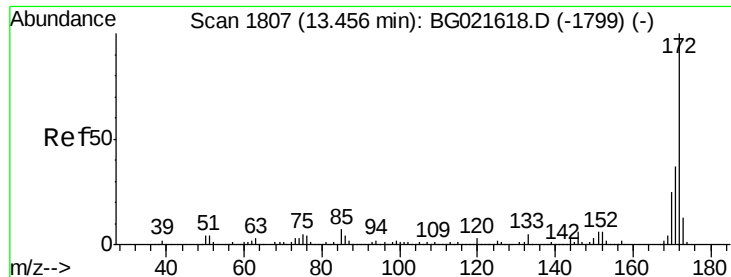


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

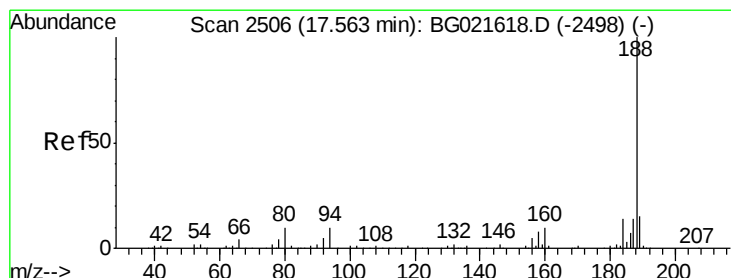
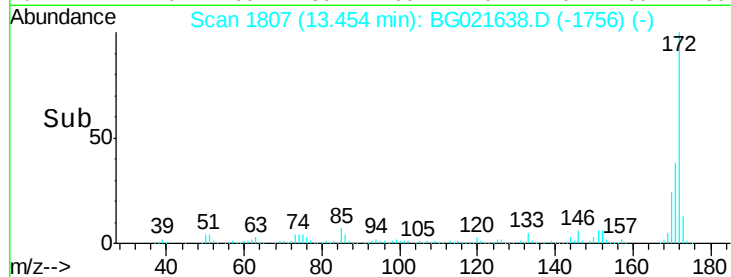
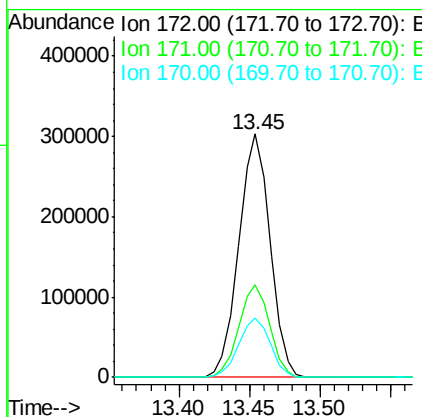
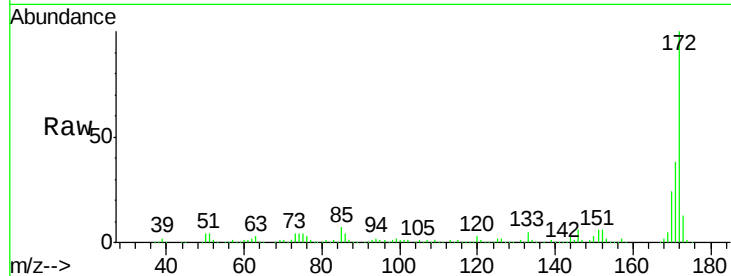




#44
 2-Fluorobiphenyl
 Concen: 88.02 ng
 RT: 13.45 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

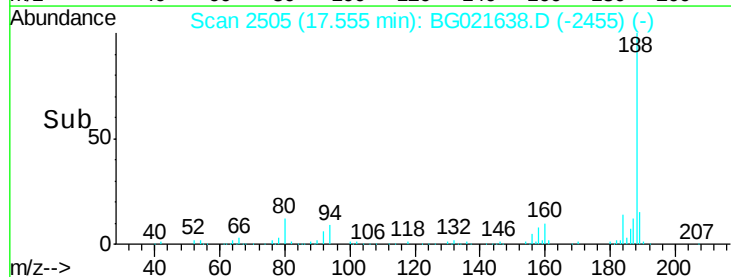
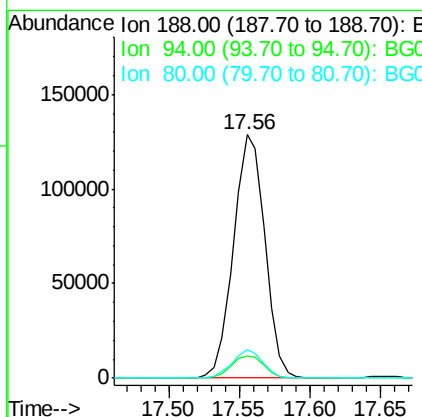
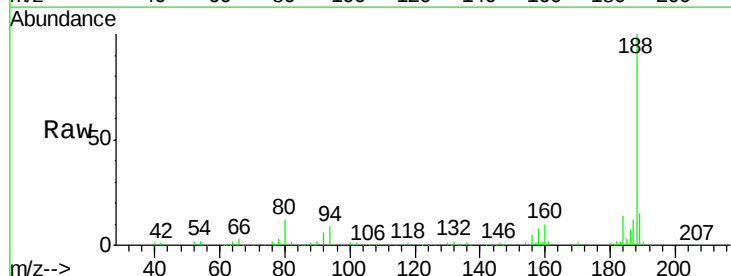
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

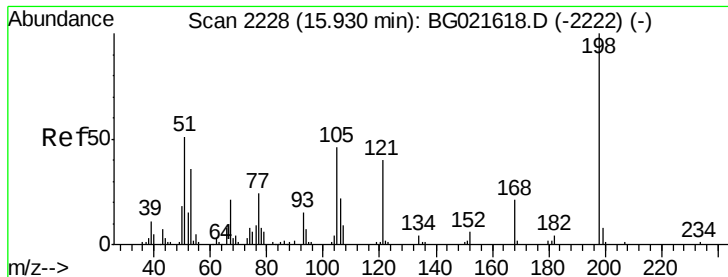
Tgt Ion:172 Resp: 469090
 Ion Ratio Lower Upper
 172 100
 171 37.8 27.8 41.6
 170 24.4 19.6 29.4



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.56 min Scan# 2505
 Delta R.T. -0.01 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Tgt Ion:188 Resp: 198995
 Ion Ratio Lower Upper
 188 100
 94 9.3 7.5 11.3
 80 11.8 8.6 13.0

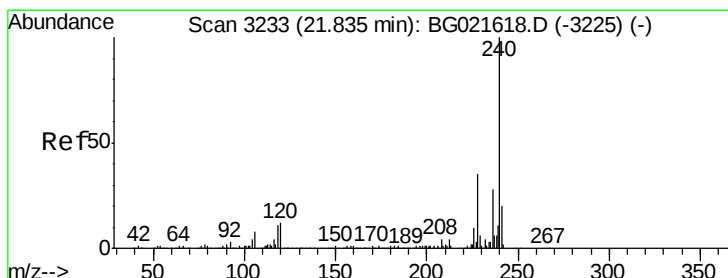
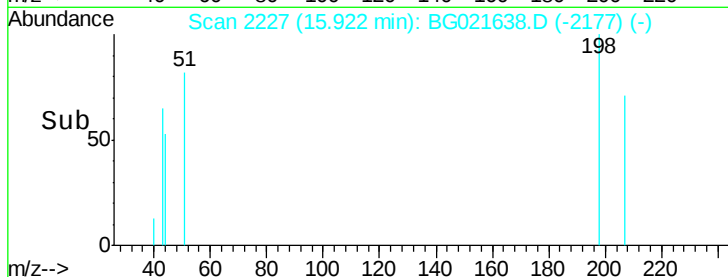
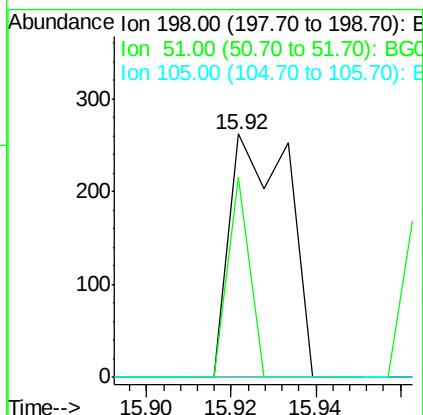
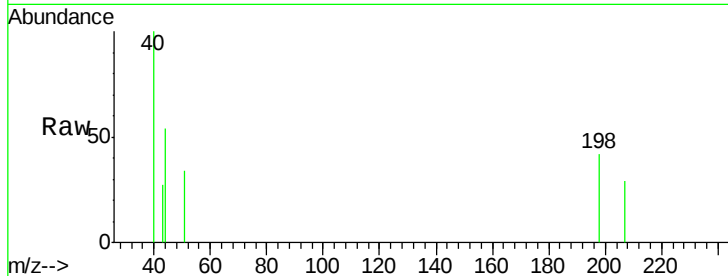




#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.67 ng
 RT: 15.92 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

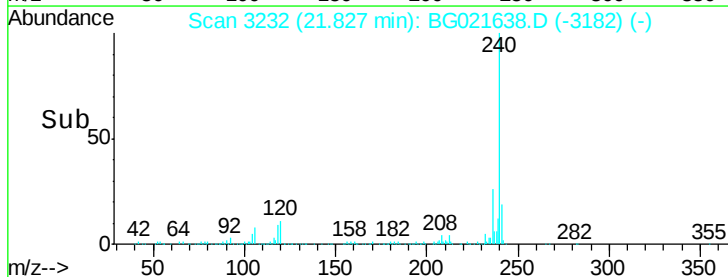
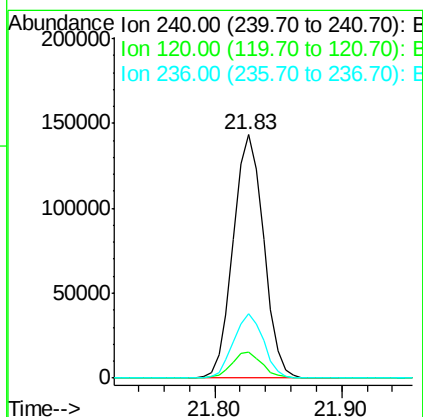
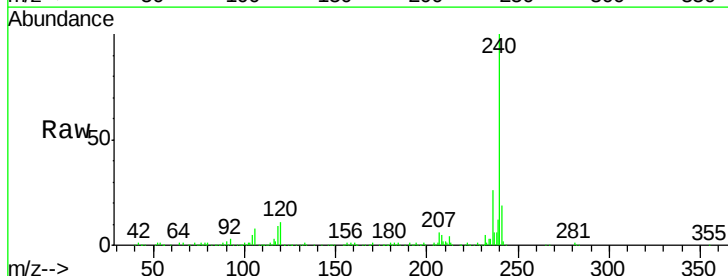
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

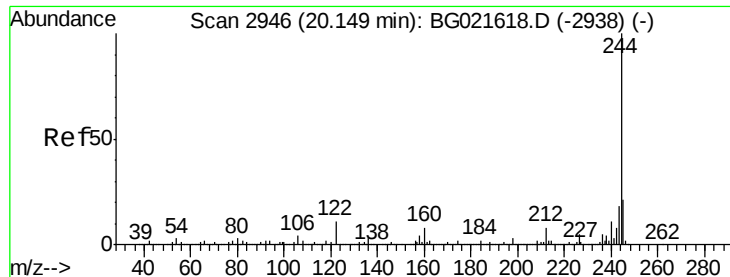
Tgt Ion:198 Resp: 253
 Ion Ratio Lower Upper
 198 100
 51 82.1 29.2 69.2#
 105 0.0 24.0 64.0#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.83 min Scan# 3232
 Delta R.T. -0.01 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Tgt Ion:240 Resp: 237855
 Ion Ratio Lower Upper
 240 100
 120 10.6 8.4 12.6
 236 26.4 19.6 29.4

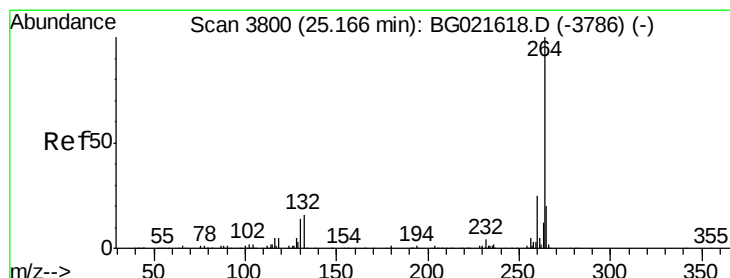
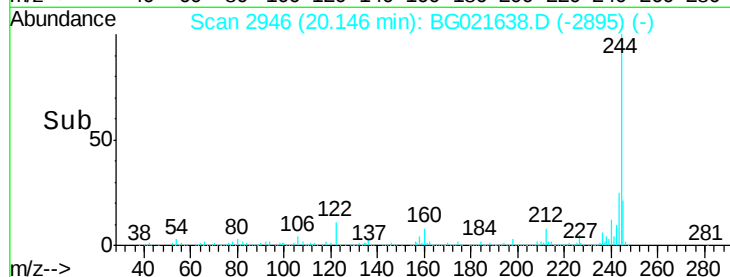
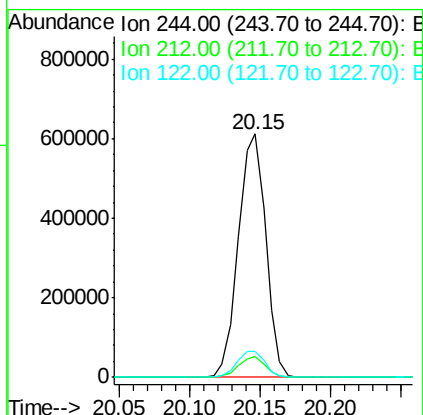
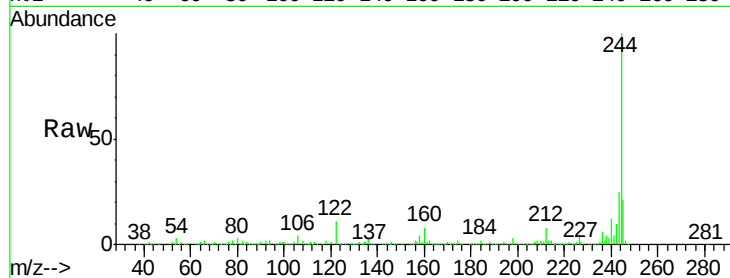




#78
 Terphenyl-d14
 Concen: 87.07 ng
 RT: 20.15 min Scan# 2946
 Delta R.T. -0.00 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:244 Resp: 829959
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.5 9.7
 122 10.9 8.6 12.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.15 min Scan# 3798
 Delta R.T. -0.01 min
 Lab File: BG021638.D
 Acq: 14 Apr 2016 2:08

Tgt Ion:264 Resp: 231303
 Ion Ratio Lower Upper
 264 100
 260 24.6 20.2 30.4
 265 21.7 17.8 26.8

