

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032615\
 Data File : BG016140.D
 Acq On : 26 Mar 2015 15:11
 Operator : TP/IZ
 Sample : G1614-03
 Misc : LOD-SOIL-2PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Mar 27 04:00:29 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG032515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 03:23:37 2015
 Response via : Initial Calibration

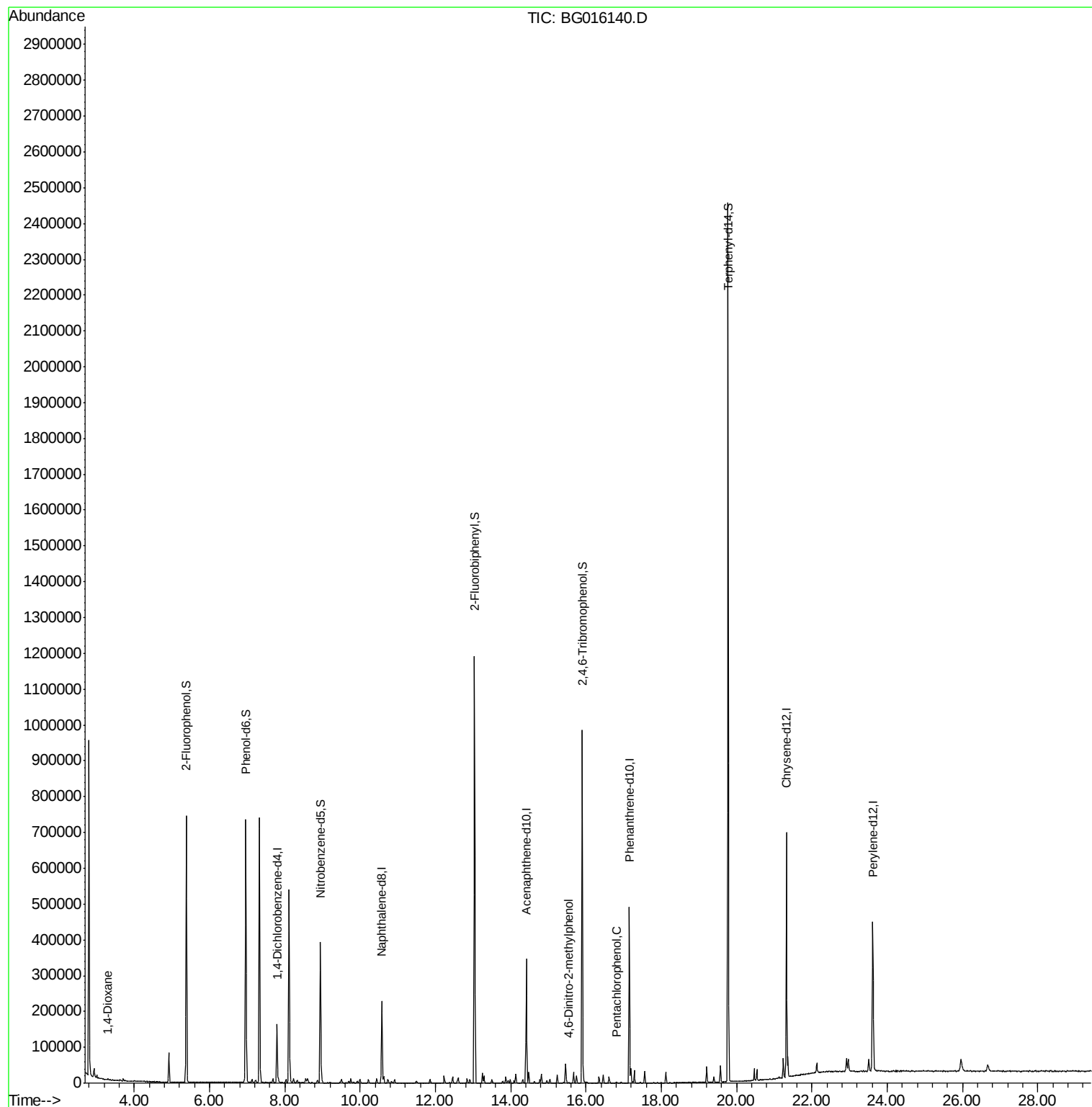
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	46132	20.00	ng	0.00
21) Naphthalene-d8	10.58	136	193372	20.00	ng	0.00
38) Acenaphthene-d10	14.41	164	121496	20.00	ng	0.00
63) Phenanthrene-d10	17.16	188	282725	20.00	ng	0.00
75) Chrysene-d12	21.33	240	305038	20.00	ng	0.00
86) Perylene-d12	23.62	264	290335	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	352912	128.03	ng	0.01
7) Phenol-d6	6.96	99	477678	124.50	ng	0.01
23) Nitrobenzene-d5	8.94	82	239339	76.74	ng	0.00
41) 2,4,6-Tribromophenol	15.90	330	186154	133.43	ng	0.00
44) 2-Fluorobiphenyl	13.04	172	610887	84.16	ng	0.00
78) Terphenyl-d14	19.78	244	1007260	83.16	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.31	88	2380	2.14	ng	# 87
64) 4,6-Dinitro-2-methylphenol	15.54	198	641	0.34	ng	91
69) Pentachlorophenol	16.80	266	1174	0.63	ng	# 62

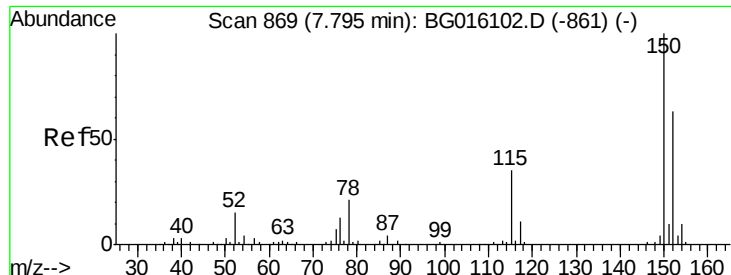
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG032515.M
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.79 min Scan# 869

Delta R.T. 0.00 min

Lab File: BG016140.D

Acq: 26 Mar 2015 15:11

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

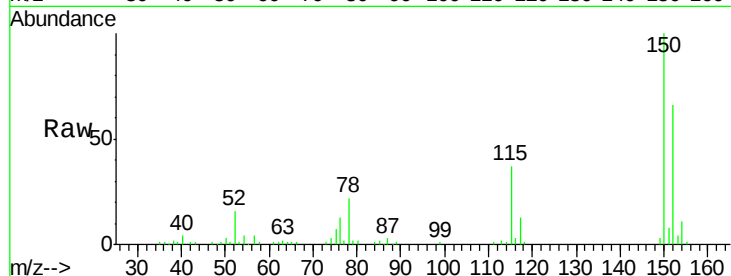
Tgt Ion:152 Resp: 46132

Ion Ratio Lower Upper

152 100

150 150.8 126.1 189.1

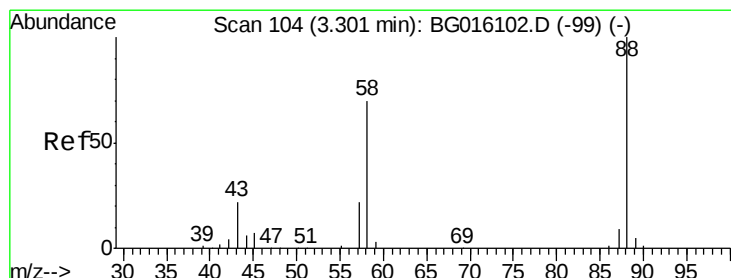
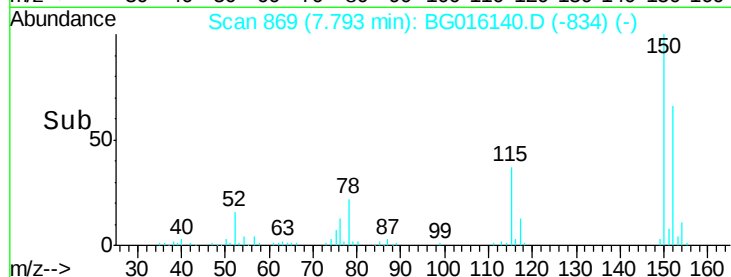
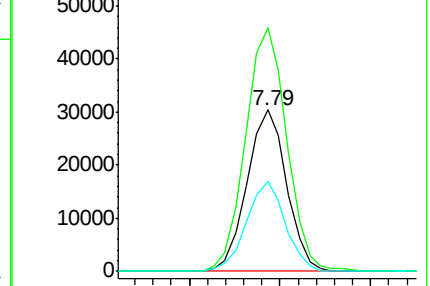
115 56.1 43.7 65.5



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



#2

1,4-Dioxane

Concen: 2.14 ng

RT: 3.31 min Scan# 105

Delta R.T. 0.01 min

Lab File: BG016140.D

Acq: 26 Mar 2015 15:11

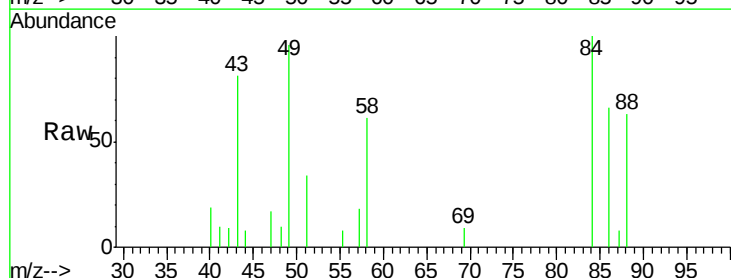
Tgt Ion: 88 Resp: 2380

Ion Ratio Lower Upper

88 100

58 69.7 54.2 81.4

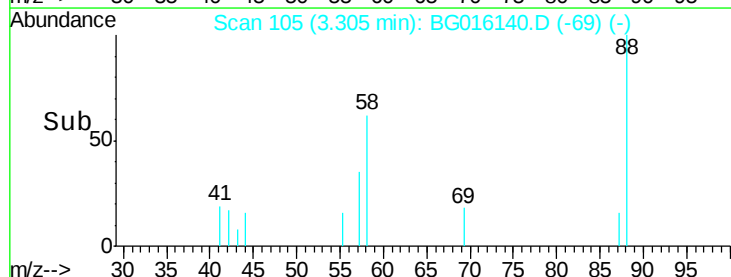
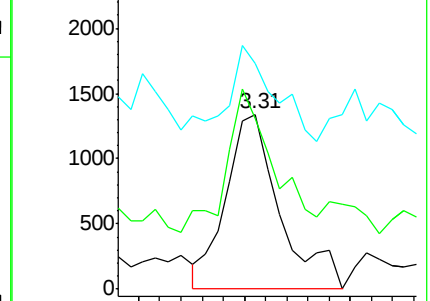
43 43.4 17.4 26.2#

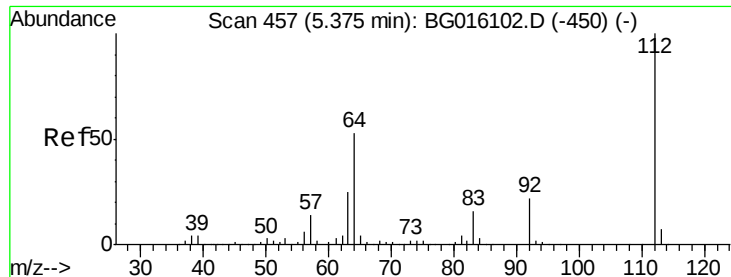


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 128.03 ng

RT: 5.38 min Scan# 459

Delta R.T. 0.01 min

Lab File: BG016140.D

Acq: 26 Mar 2015 15:11

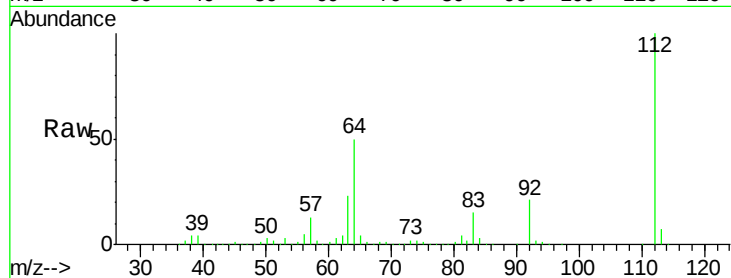
Instrument :

BNA_G

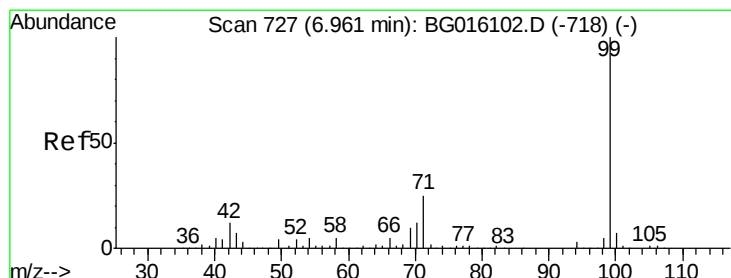
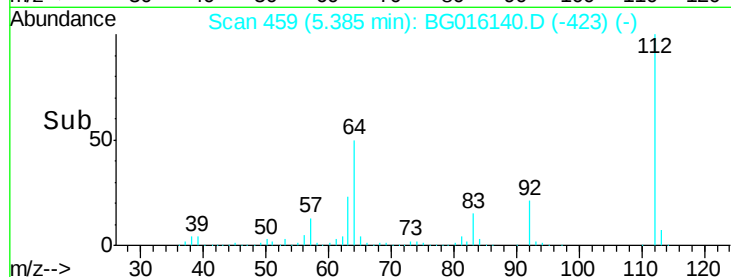
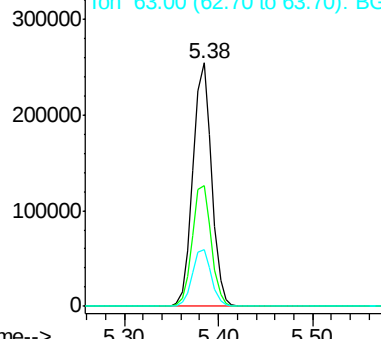
ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:	112	Resp:	352912
Ion	Ratio	Lower	Upper
112	100		
64	49.7	42.6	64.0
63	23.5	19.9	29.9



Abundance Ion 112.00 (111.70 to 112.70): BGC



#7

Phenol-d6

Concen: 124.50 ng

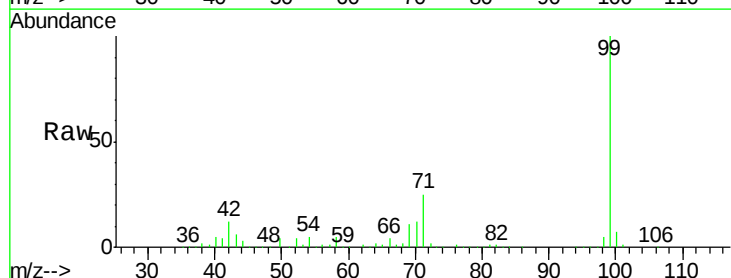
RT: 6.96 min Scan# 728

Delta R.T. 0.01 min

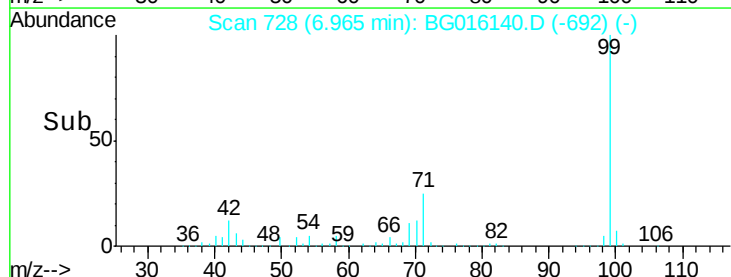
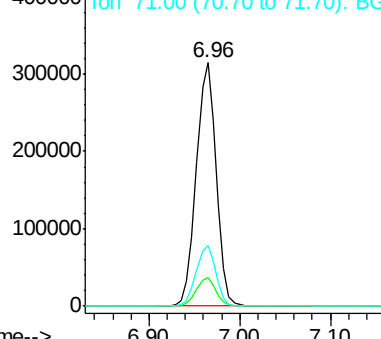
Lab File: BG016140.D

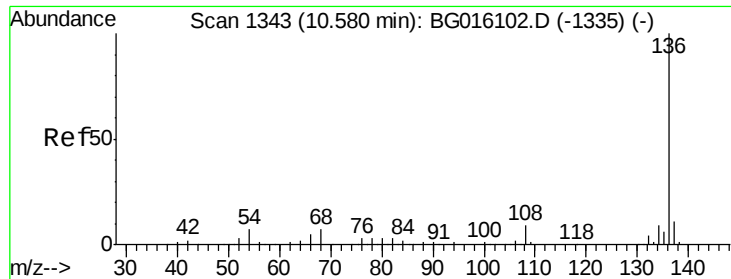
Acq: 26 Mar 2015 15:11

Tgt Ion:	99	Resp:	477678
Ion	Ratio	Lower	Upper
99	100		
42	11.9	9.4	14.0
71	25.1	19.9	29.9



Abundance Ion 99.00 (98.70 to 99.70): BGC

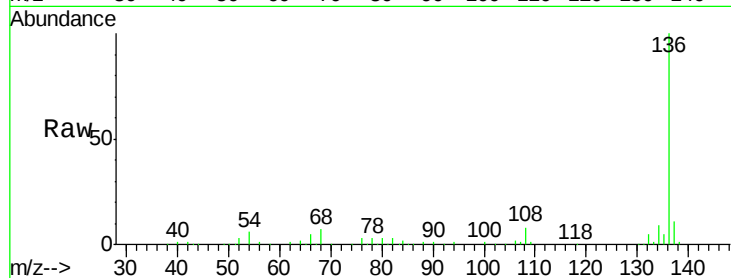




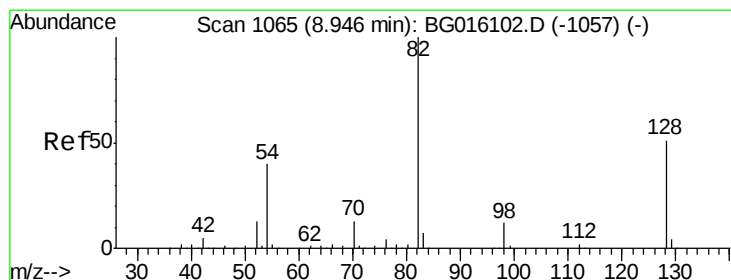
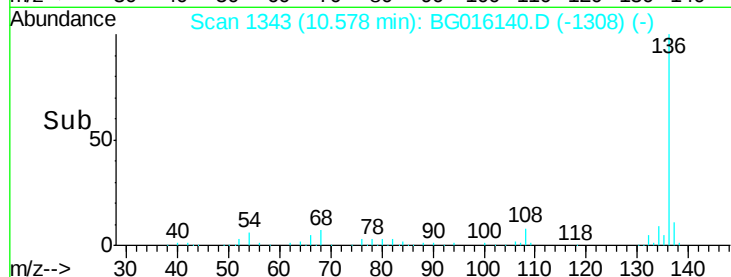
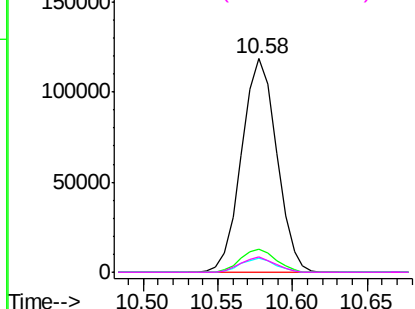
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.58 min Scan# 1343
Delta R.T. 0.00 min
Lab File: BG016140.D
Acq: 26 Mar 2015 15:11

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:	136	Resp:	193372
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.3	5.5	8.3
68	7.3	6.0	9.0

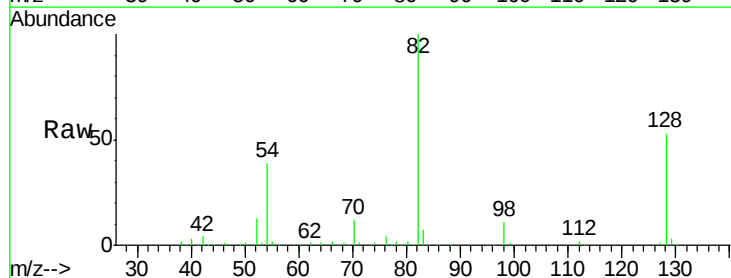


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

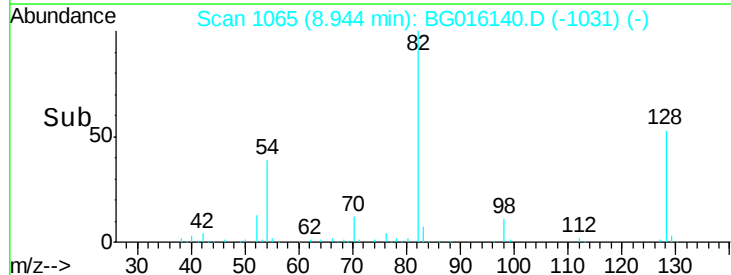
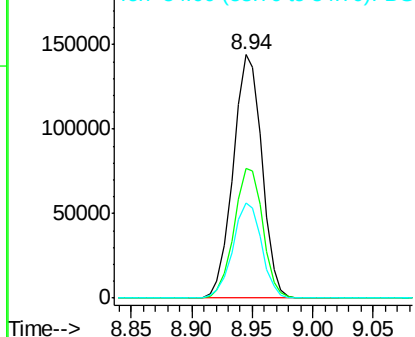


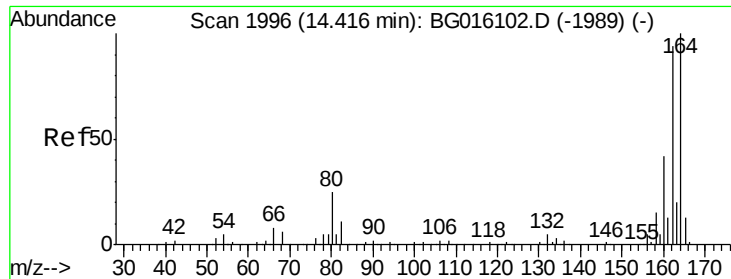
#23
Nitrobenzene-d5
Concen: 76.74 ng
RT: 8.94 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BG016140.D
Acq: 26 Mar 2015 15:11

Tgt Ion:	82	Resp:	239339
Ion	Ratio	Lower	Upper
82	100		
128	53.3	40.4	60.6
54	39.1	32.1	48.1



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.41 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BG016140.D

Acq: 26 Mar 2015 15:11

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

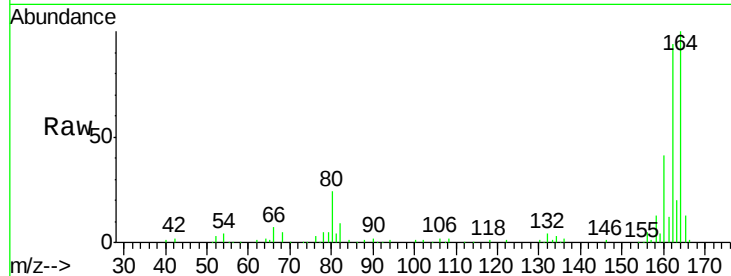
Tgt Ion:164 Resp: 121496

Ion Ratio Lower Upper

164 100

162 93.6 75.2 112.8

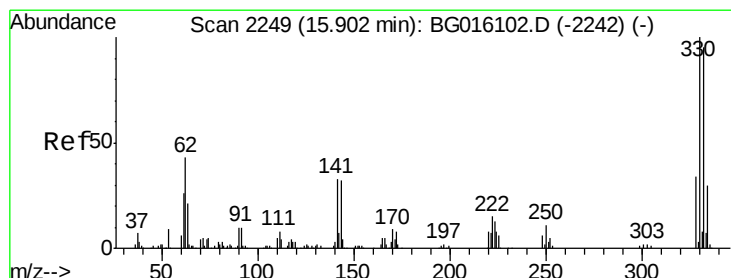
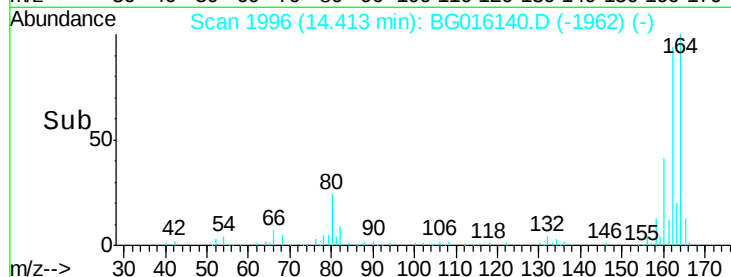
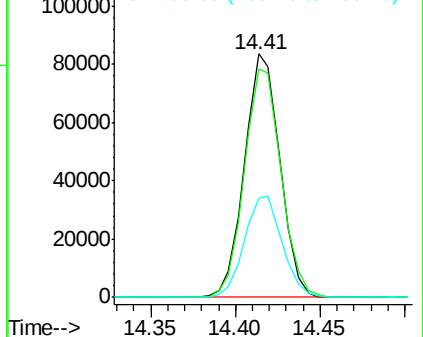
160 40.8 33.9 50.9



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



#41

2,4,6-Tribromophenol

Concen: 133.43 ng

RT: 15.90 min Scan# 2249

Delta R.T. -0.00 min

Lab File: BG016140.D

Acq: 26 Mar 2015 15:11

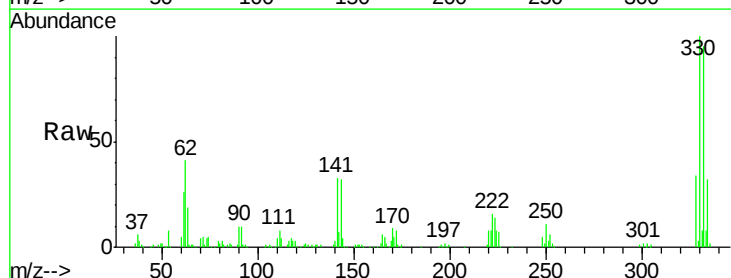
Tgt Ion:330 Resp: 186154

Ion Ratio Lower Upper

330 100

332 95.3 76.6 114.8

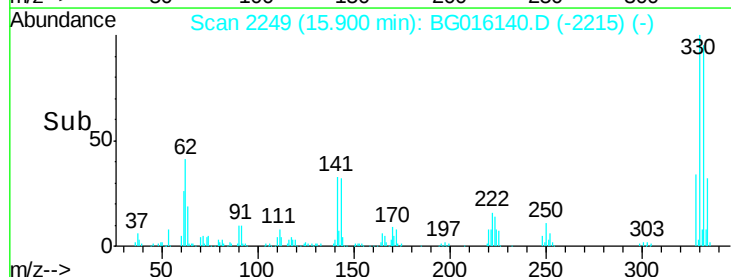
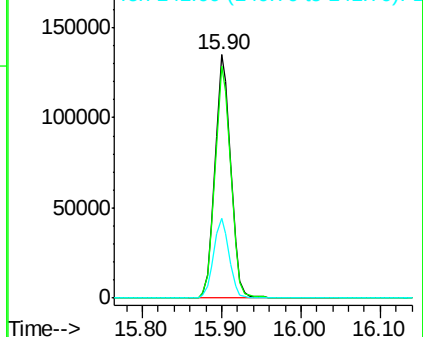
141 32.5 26.2 39.4

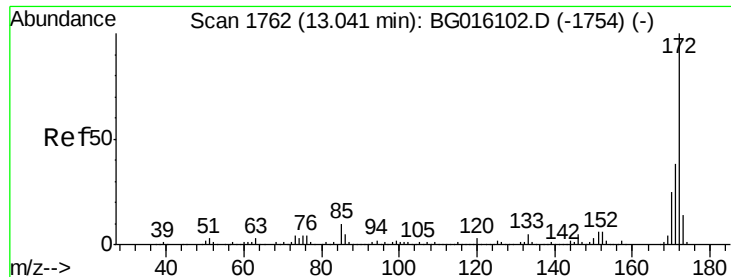


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

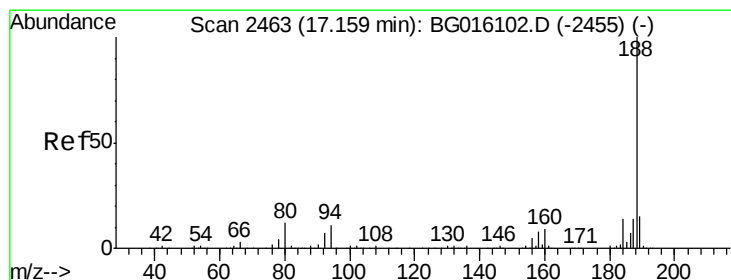
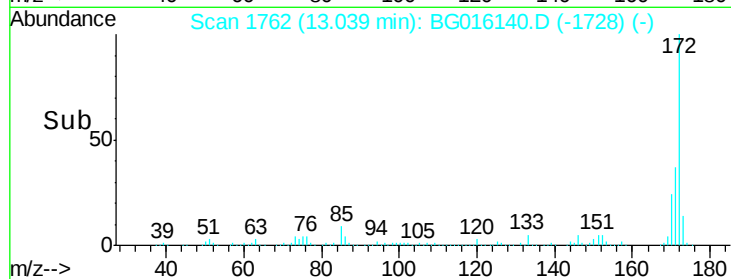
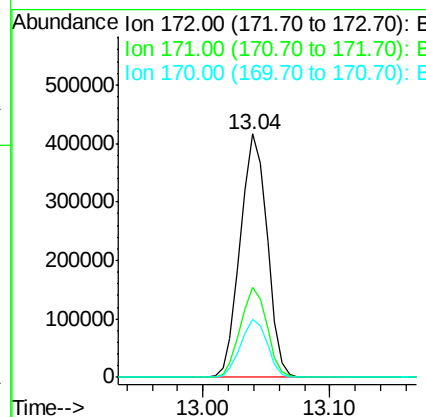
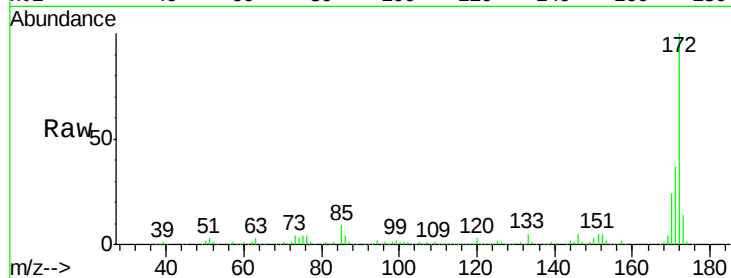




#44
 2-Fluorobiphenyl
 Concen: 84.16 ng
 RT: 13.04 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: BG016140.D
 Acq: 26 Mar 2015 15:11

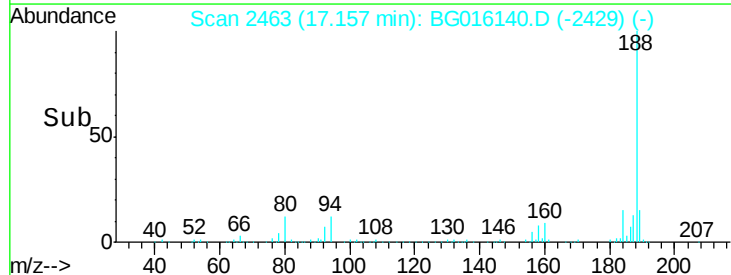
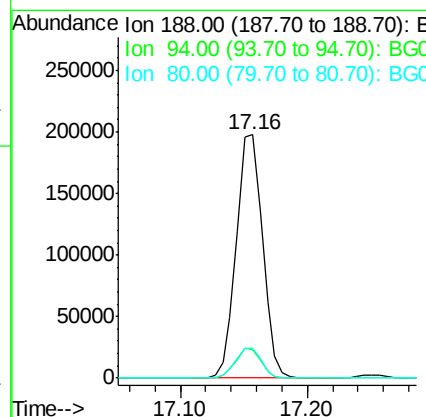
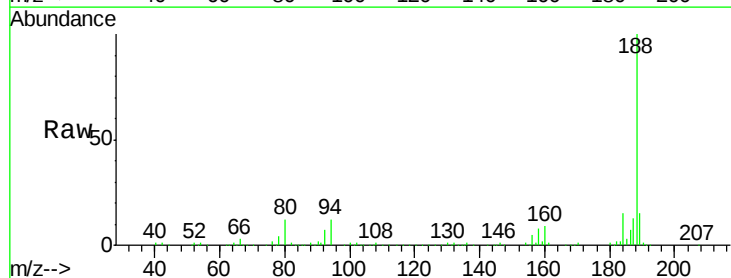
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

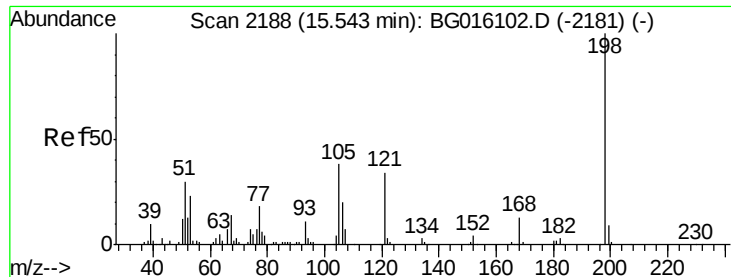
Tgt Ion:172 Resp: 610887
 Ion Ratio Lower Upper
 172 100
 171 36.8 30.3 45.5
 170 23.8 19.8 29.8



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.16 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: BG016140.D
 Acq: 26 Mar 2015 15:11

Tgt Ion:188 Resp: 282725
 Ion Ratio Lower Upper
 188 100
 94 11.7 9.1 13.7
 80 12.1 9.8 14.8





#64

4,6-Dinitro-2-methylphenol

Concen: 0.34 ng

RT: 15.54 min Scan# 2188

Delta R.T. -0.00 min

Lab File: BG016140.D

Acq: 26 Mar 2015 15:11

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

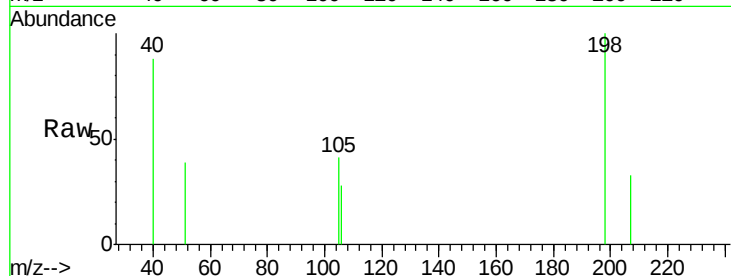
Tgt Ion:198 Resp: 641

Ion Ratio Lower Upper

198 100

51 38.6 10.7 50.7

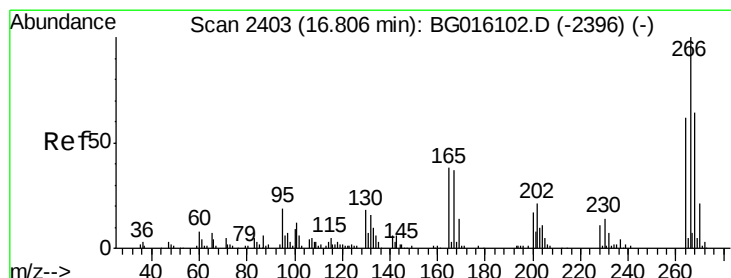
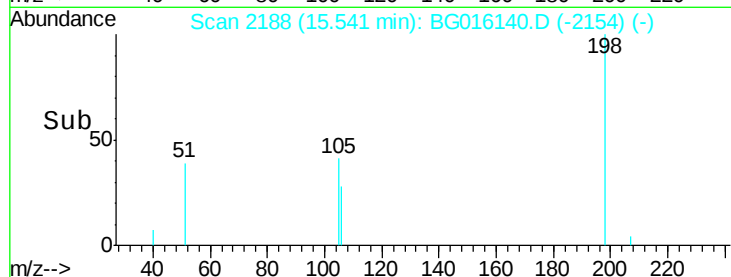
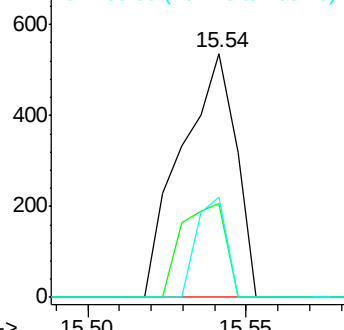
105 41.4 18.3 58.3



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



#69

Pentachlorophenol

Concen: 0.63 ng

RT: 16.80 min Scan# 2403

Delta R.T. -0.00 min

Lab File: BG016140.D

Acq: 26 Mar 2015 15:11

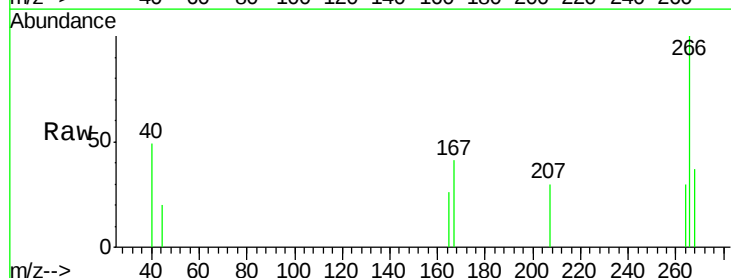
Tgt Ion:266 Resp: 1174

Ion Ratio Lower Upper

266 100

268 37.3 51.5 77.3#

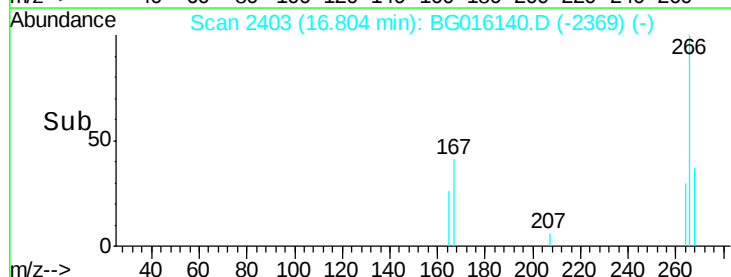
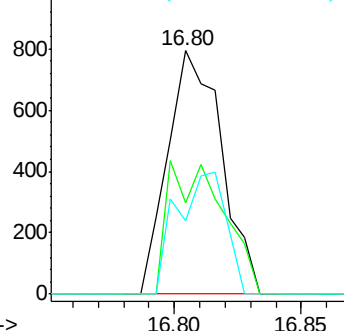
264 30.4 49.8 74.6#

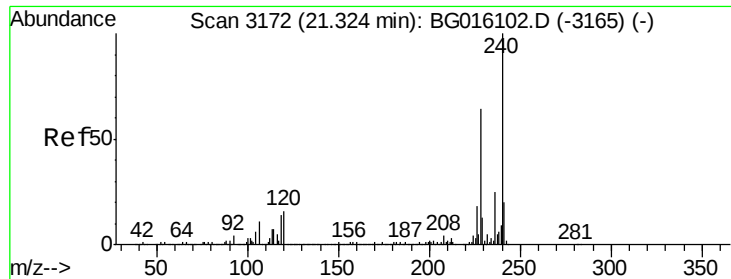


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.33 min Scan# 3173

Delta R.T. -0.00 min

Lab File: BG016140.D

Acq: 26 Mar 2015 15:11

Instrument :

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LOD-SOIL2015-01

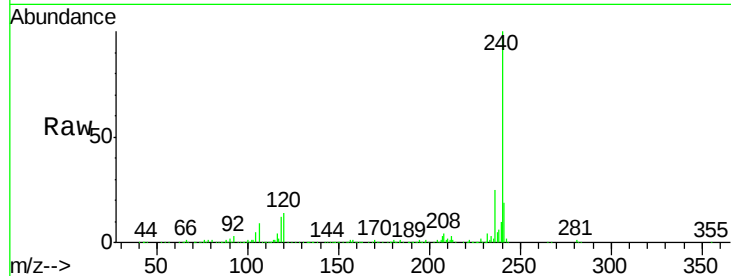
Tgt Ion:240 Resp: 305038

Ion Ratio Lower Upper

240 100

120 13.9 13.0 19.4

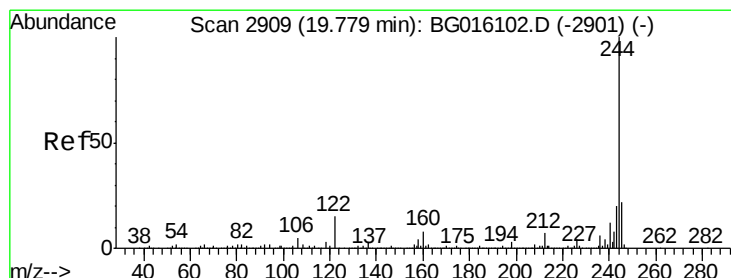
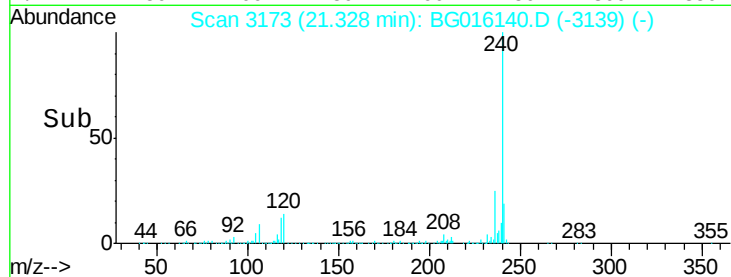
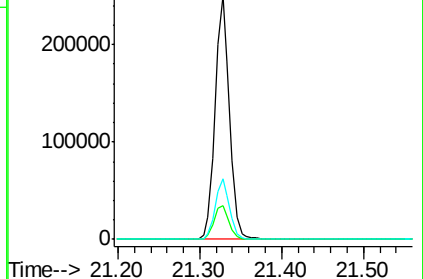
236 24.9 20.2 30.2



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: 83.16 ng

RT: 19.78 min Scan# 2909

Delta R.T. -0.00 min

Lab File: BG016140.D

Acq: 26 Mar 2015 15:11

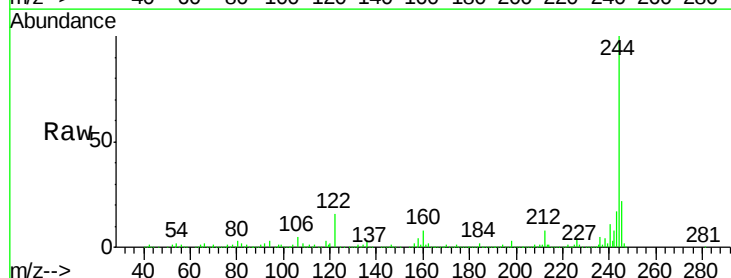
Tgt Ion:244 Resp: 1007260

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

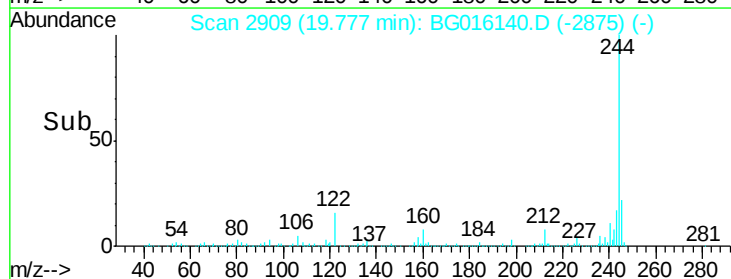
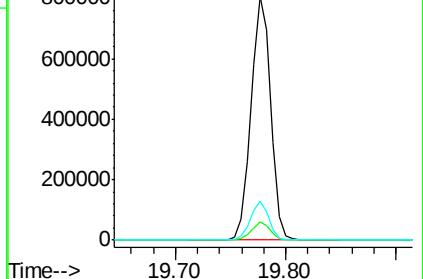
122 16.2 12.2 18.2

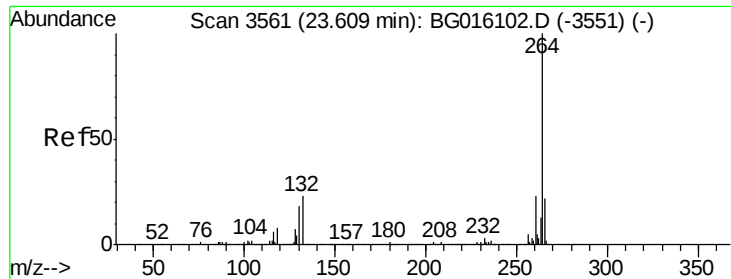


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

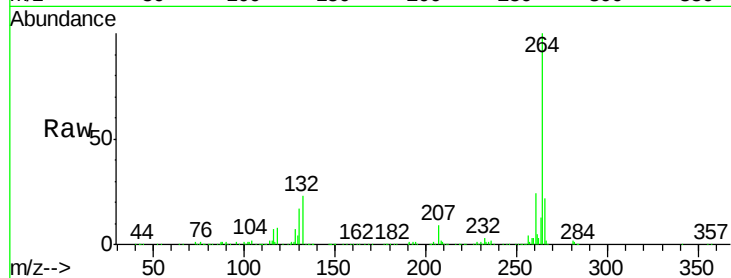




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.62 min Scan# 3563
Delta R.T. -0.00 min
Lab File: BG016140.D
Acq: 26 Mar 2015 15:11

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.4	27.6
265	21.9	17.3	25.9



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

