

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032615\
 Data File : BG016141.D
 Acq On : 26 Mar 2015 15:46
 Operator : TP/IZ
 Sample : G1614-03
 Misc : LOD-SOIL-5PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Mar 27 04:02:52 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

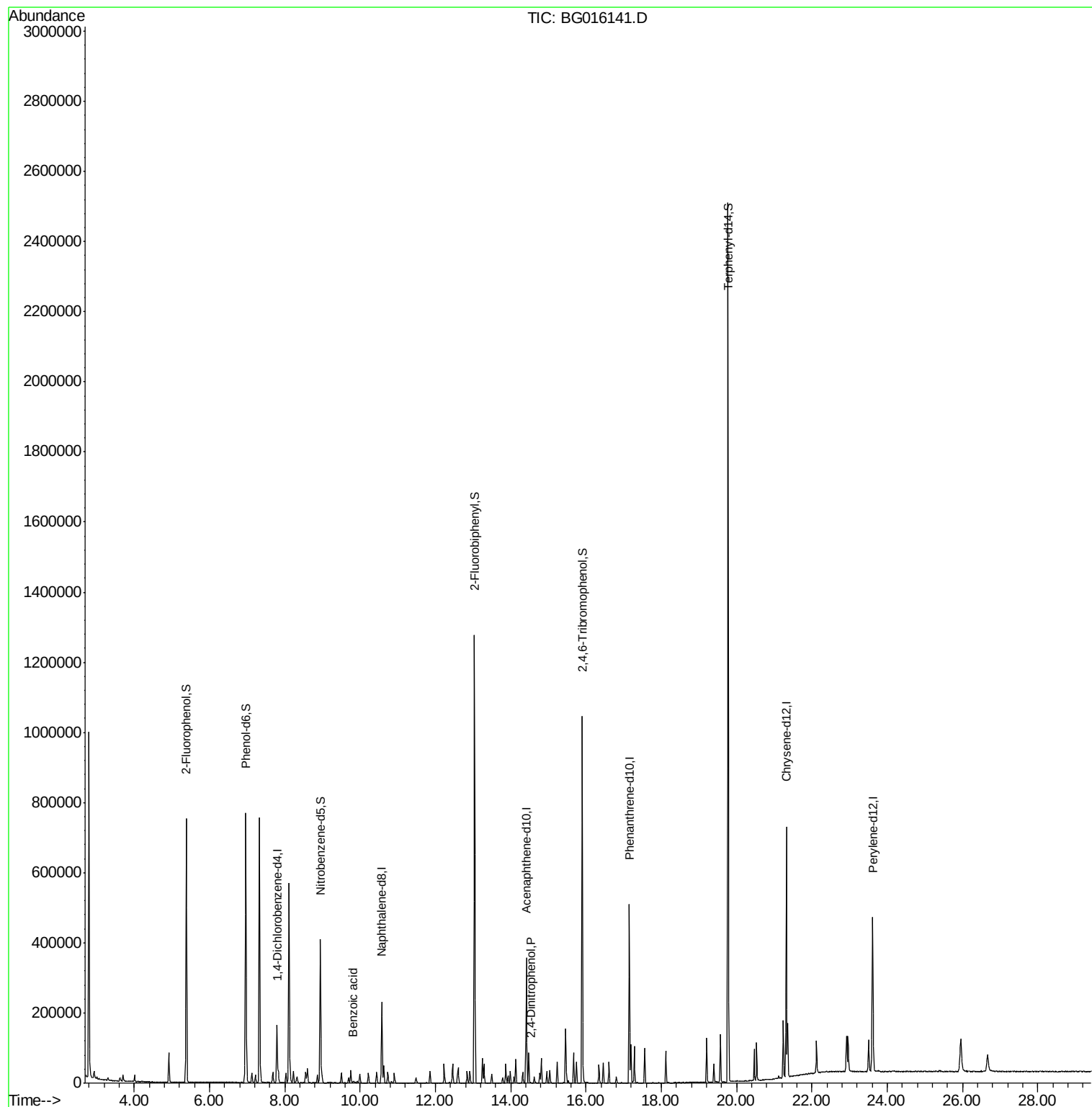
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	47124	20.00	ng	0.00
21) Naphthalene-d8	10.58	136	198997	20.00	ng	0.00
38) Acenaphthene-d10	14.41	164	124913	20.00	ng	0.00
63) Phenanthrene-d10	17.16	188	287120	20.00	ng	0.00
75) Chrysene-d12	21.33	240	321057	20.00	ng	0.00
86) Perylene-d12	23.61	264	302835	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	366268	130.08	ng	0.01
7) Phenol-d6	6.96	99	495865	126.52	ng	0.01
23) Nitrobenzene-d5	8.94	82	248544	77.44	ng	0.00
41) 2,4,6-Tribromophenol	15.90	330	194662	135.71	ng	0.00
44) 2-Fluorobiphenyl	13.04	172	633345	84.87	ng	0.00
78) Terphenyl-d14	19.78	244	1070185	83.95	ng	0.00
Target Compounds						
32) Benzoic acid	9.82	122	2954	6.55	ng	Qvalue 90
53) 2,4-Dinitrophenol	14.53	184	554	5.77	ng	# 45

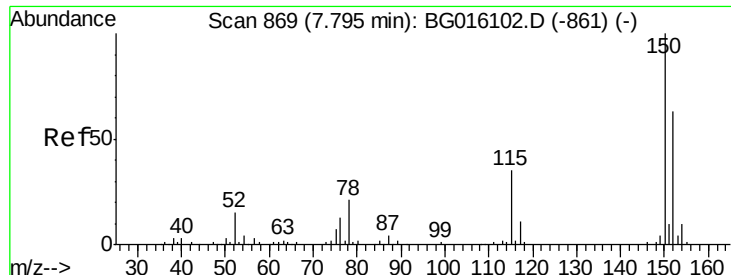
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 27 03:23:37 2015
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: BG016141.D

Acq: 26 Mar 2015 15:46

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

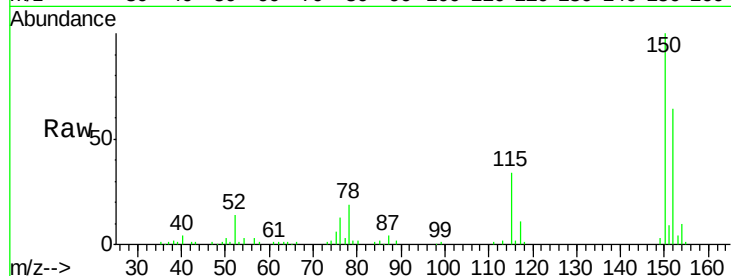
Tgt Ion:152 Resp: 47124

Ion Ratio Lower Upper

152 100

150 156.3 126.1 189.1

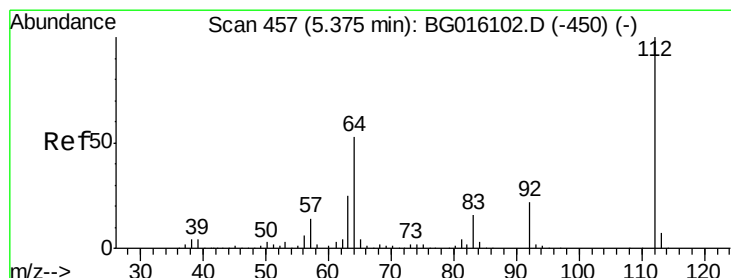
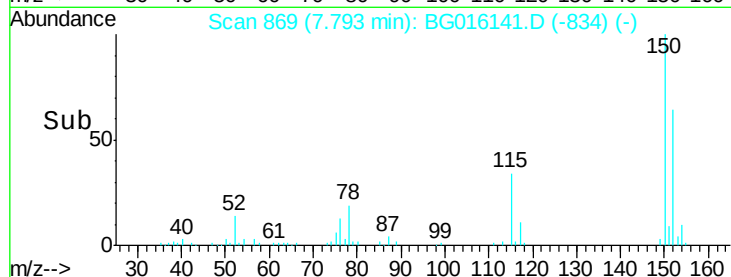
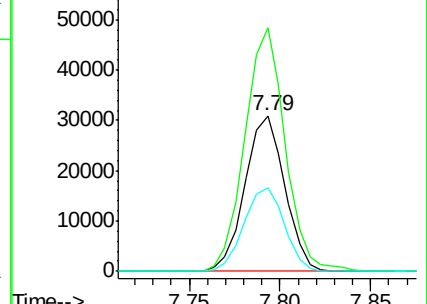
115 53.5 43.7 65.5



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



#5

2-Fluorophenol

Concen: 130.08 ng

RT: 5.38 min Scan# 459

Delta R.T. 0.01 min

Lab File: BG016141.D

Acq: 26 Mar 2015 15:46

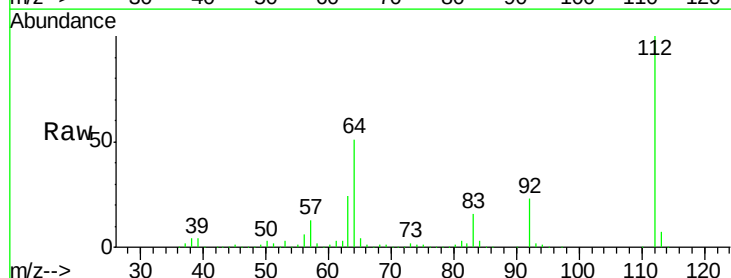
Tgt Ion:112 Resp: 366268

Ion Ratio Lower Upper

112 100

64 50.6 42.6 64.0

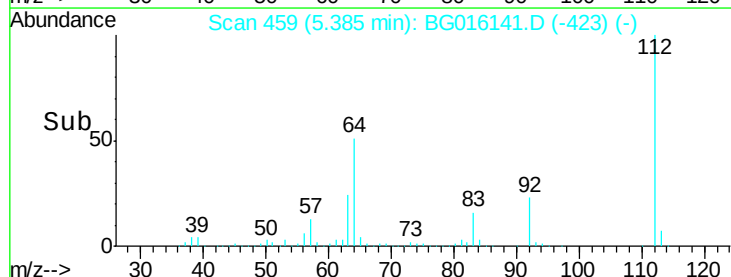
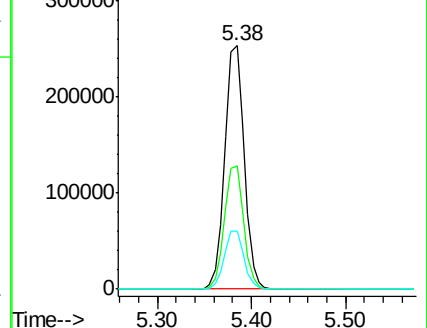
63 24.1 19.9 29.9

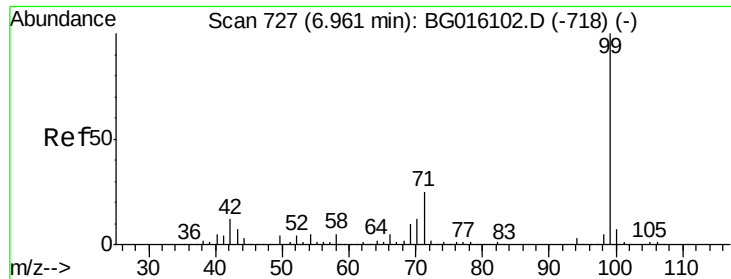


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 126.52 ng

RT: 6.96 min Scan# 728

Delta R.T. 0.01 min

Lab File: BG016141.D

Acq: 26 Mar 2015 15:46

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

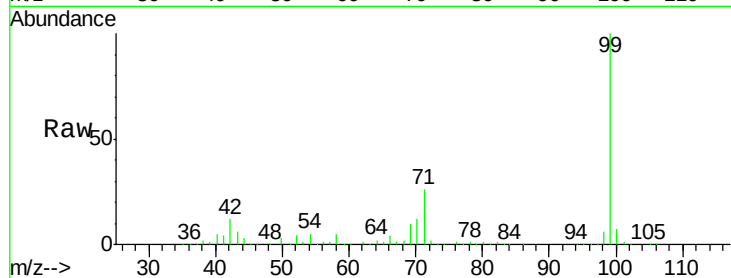
Tgt Ion: 99 Resp: 495865

Ion Ratio Lower Upper

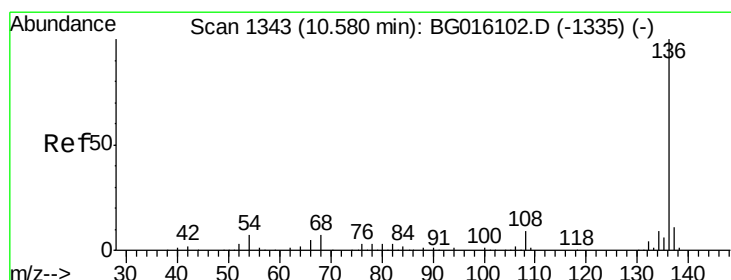
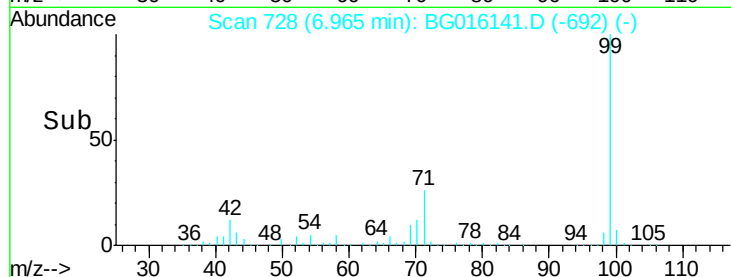
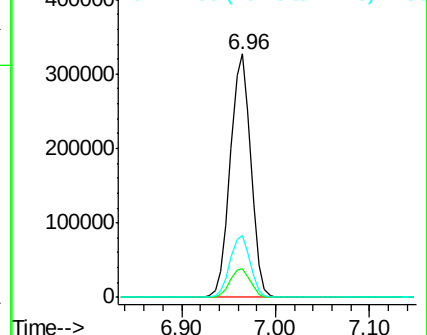
99 100

42 11.9 9.4 14.0

71 25.6 19.9 29.9



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: 10.58 min Scan# 1343

Delta R.T. 0.00 min

Lab File: BG016141.D

Acq: 26 Mar 2015 15:46

Tgt Ion: 136 Resp: 198997

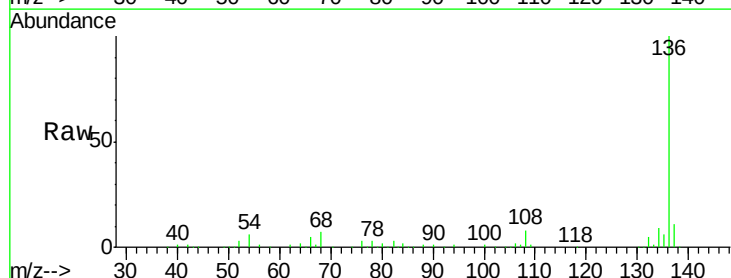
Ion Ratio Lower Upper

136 100

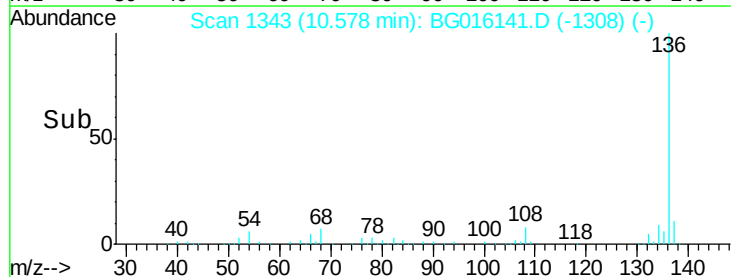
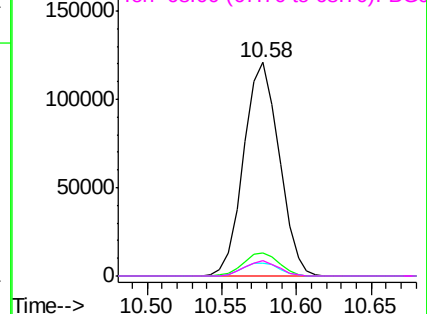
137 10.6 9.0 13.4

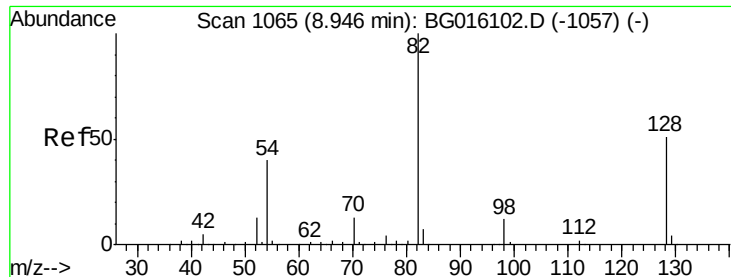
54 6.1 5.5 8.3

68 7.0 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

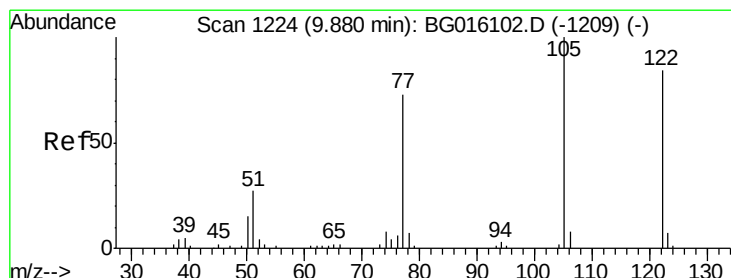
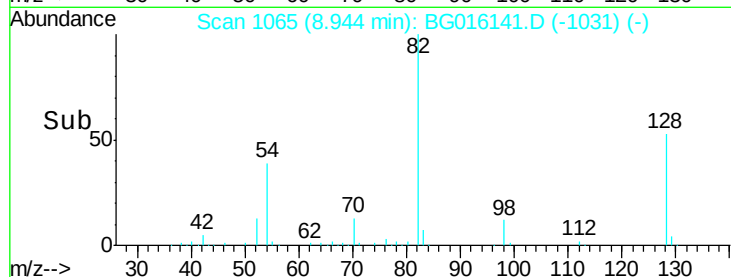
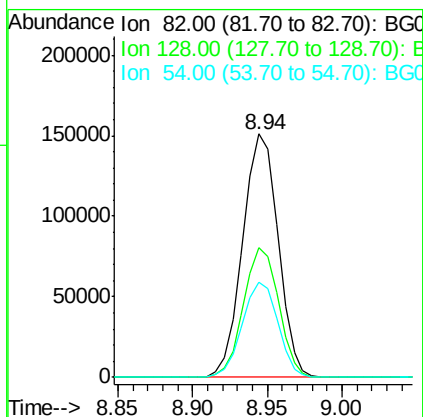
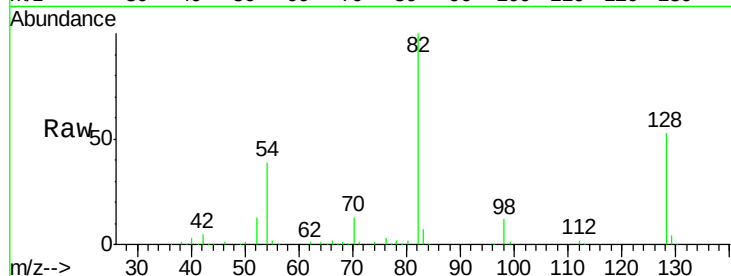




#23
Nitrobenzene-d5
Concen: 77.44 ng
RT: 8.94 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BG016141.D
Acq: 26 Mar 2015 15:46

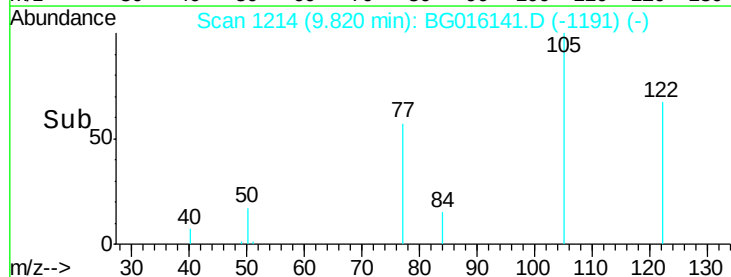
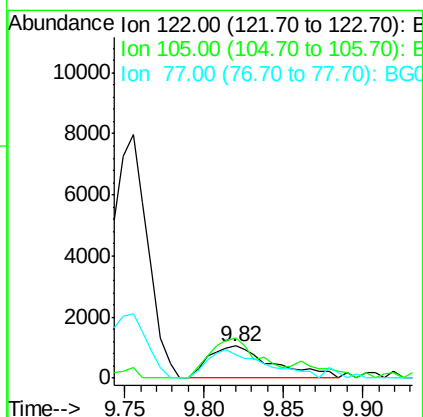
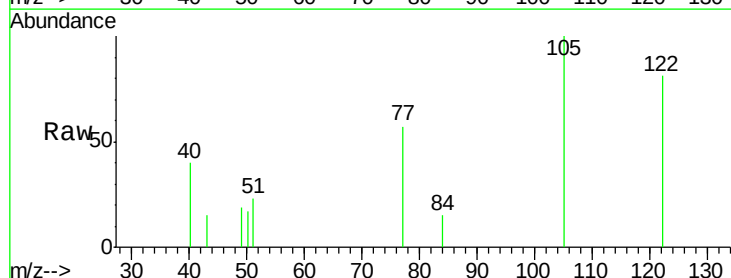
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

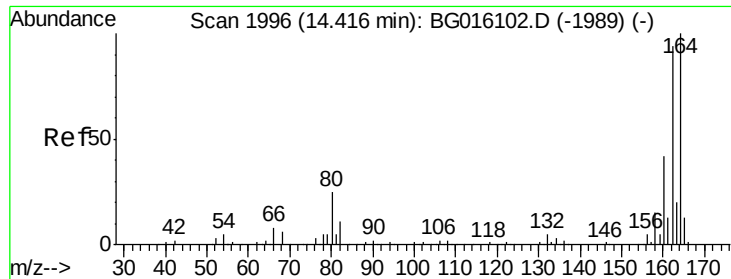
Tgt Ion: 82 Resp: 248544
Ion Ratio Lower Upper
82 100
128 53.1 40.4 60.6
54 39.1 32.1 48.1



#32
Benzoic acid
Concen: 6.55 ng
RT: 9.82 min Scan# 1214
Delta R.T. -0.07 min
Lab File: BG016141.D
Acq: 26 Mar 2015 15:46

Tgt Ion: 122 Resp: 2954
Ion Ratio Lower Upper
122 100
105 123.8 97.2 137.2
77 71.1 65.0 105.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.41 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BG016141.D

Acq: 26 Mar 2015 15:46

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

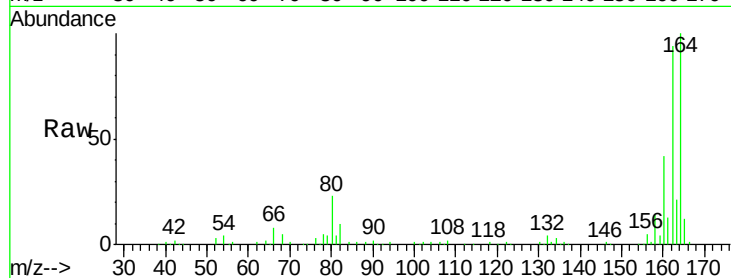
Tgt Ion:164 Resp: 124913

Ion Ratio Lower Upper

164 100

162 93.8 75.2 112.8

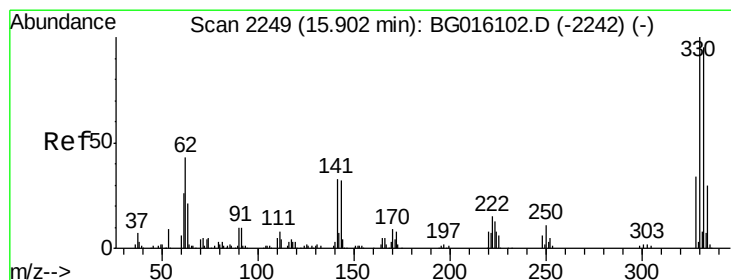
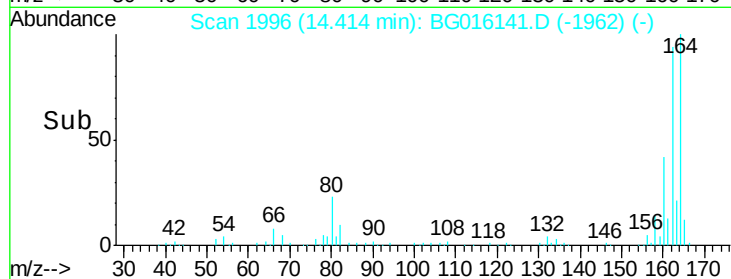
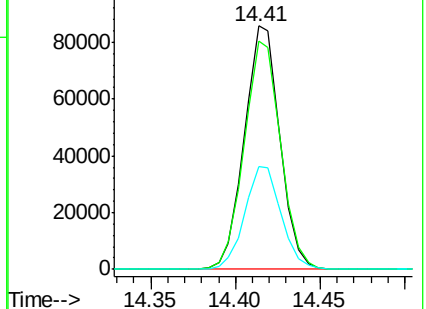
160 42.3 33.9 50.9



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: 135.71 ng

RT: 15.90 min Scan# 2249

Delta R.T. -0.00 min

Lab File: BG016141.D

Acq: 26 Mar 2015 15:46

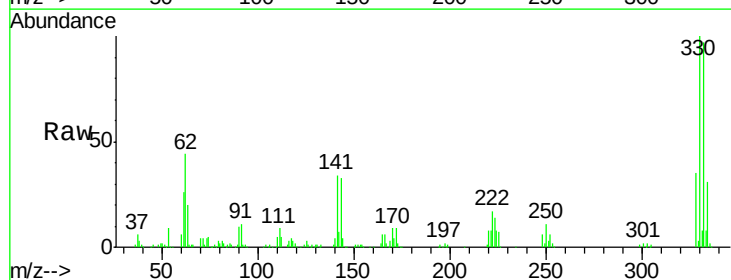
Tgt Ion:330 Resp: 194662

Ion Ratio Lower Upper

330 100

332 96.6 76.6 114.8

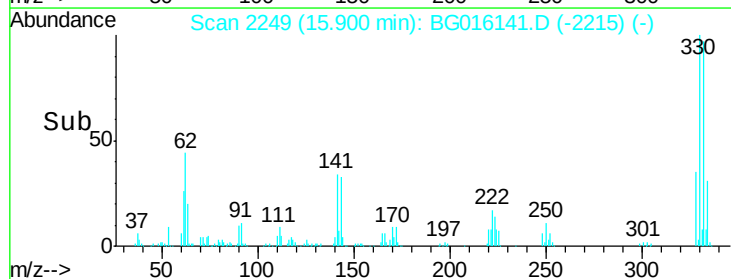
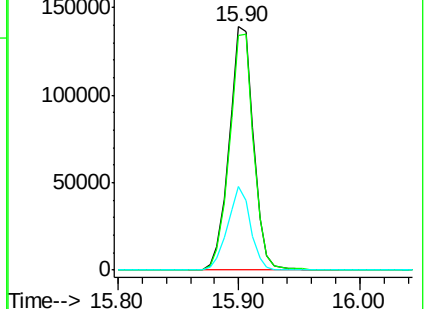
141 32.5 26.2 39.4

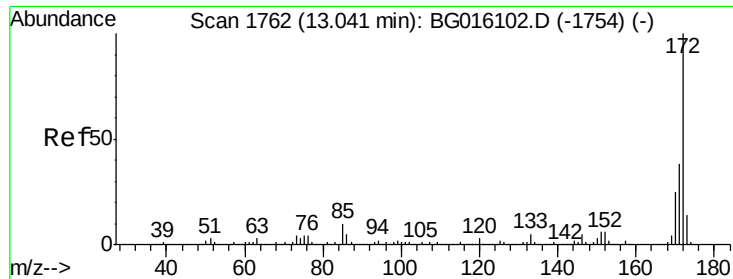


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

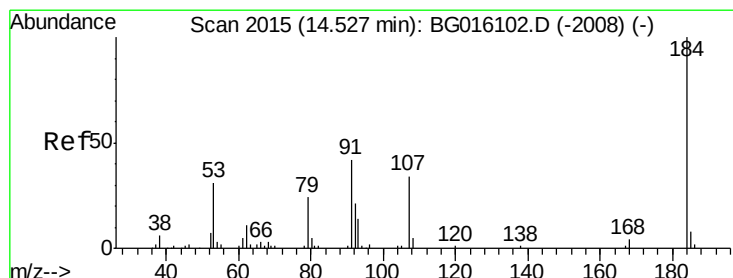
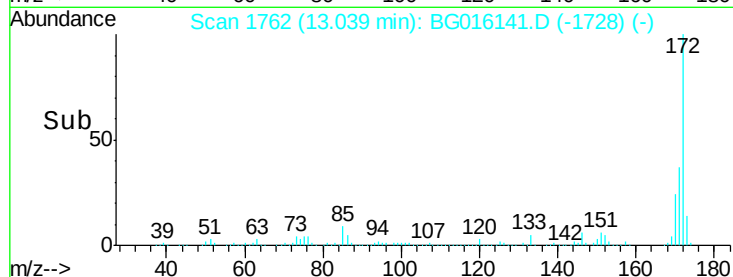
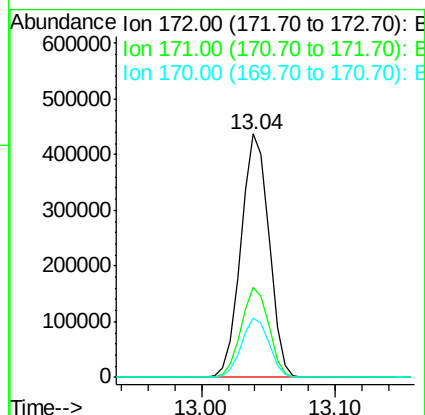
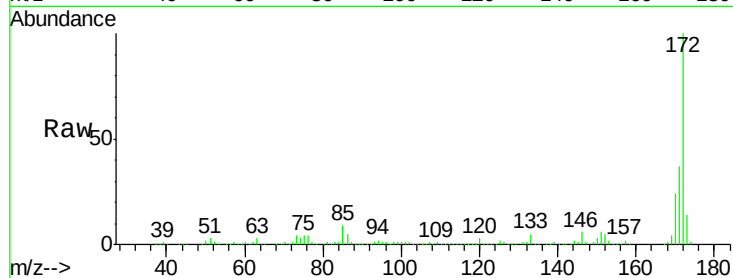




#44
 2-Fluorobiphenyl
 Concen: 84.87 ng
 RT: 13.04 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: BG016141.D
 Acq: 26 Mar 2015 15:46

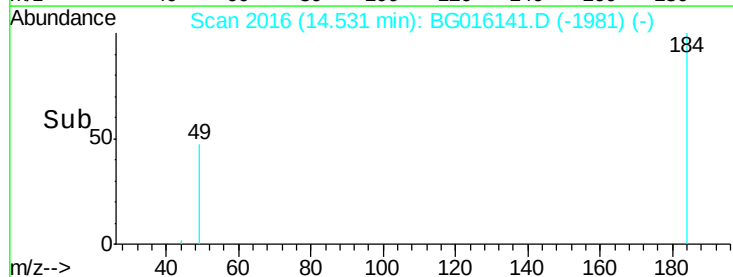
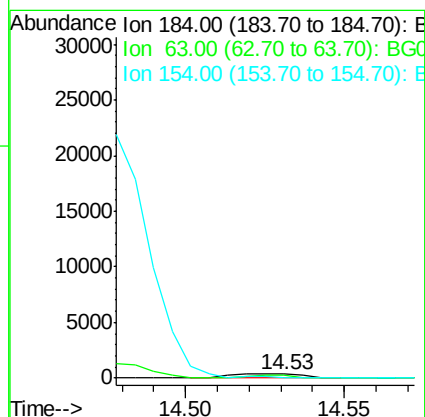
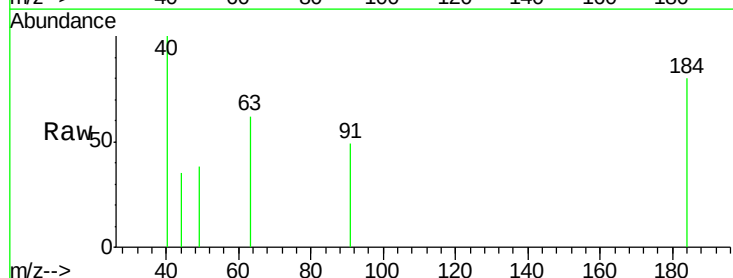
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

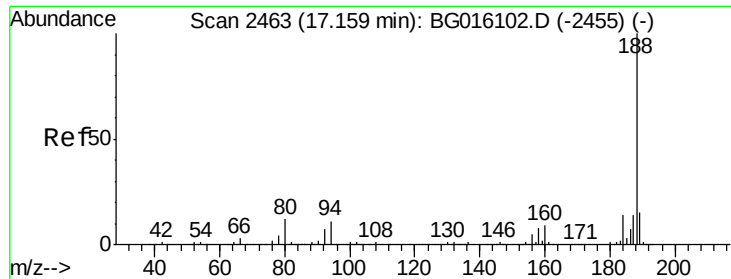
Tgt Ion:172 Resp: 633345
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.3 45.5
 170 24.4 19.8 29.8



#53
 2,4-Dinitrophenol
 Concen: 5.77 ng
 RT: 14.53 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: BG016141.D
 Acq: 26 Mar 2015 15:46

Tgt Ion:184 Resp: 554
 Ion Ratio Lower Upper
 184 100
 63 77.1 36.5 54.7#
 154 0.0 30.2 45.4#

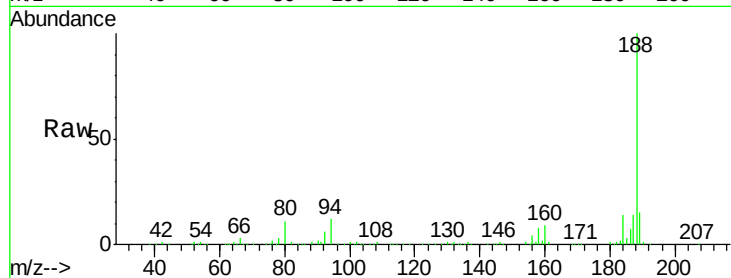




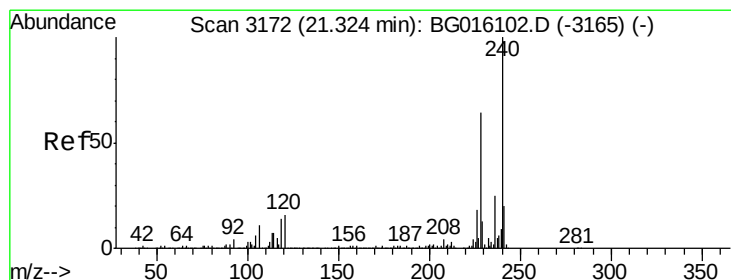
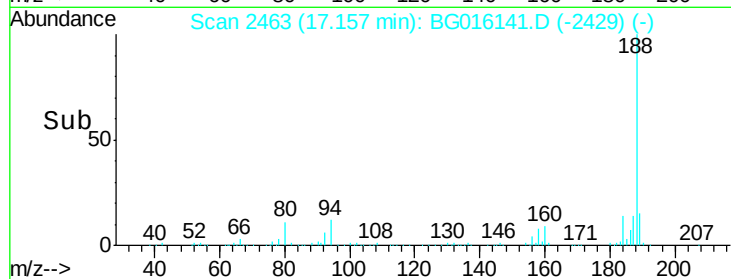
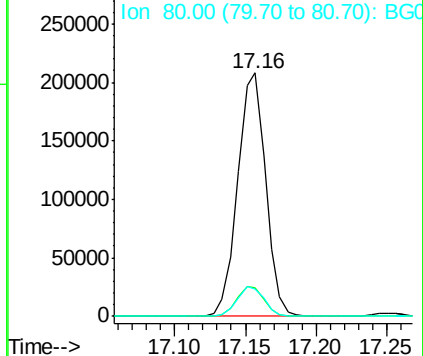
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.16 min Scan# 2463
Delta R.T. -0.00 min
Lab File: BG016141.D
Acq: 26 Mar 2015 15:46

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:188 Resp: 287120
Ion Ratio Lower Upper
188 100
94 11.8 9.1 13.7
80 11.3 9.8 14.8

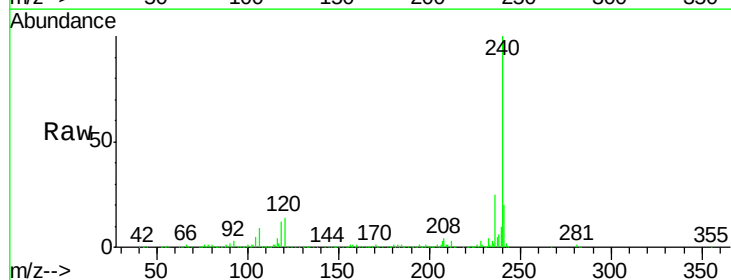


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

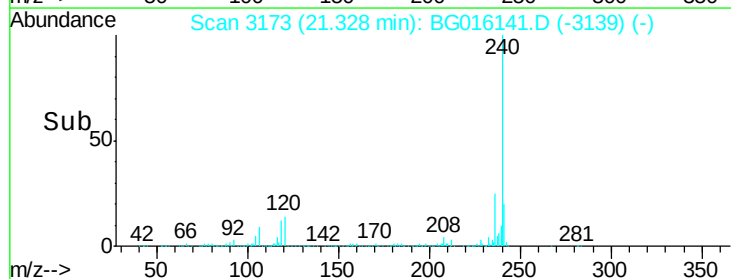
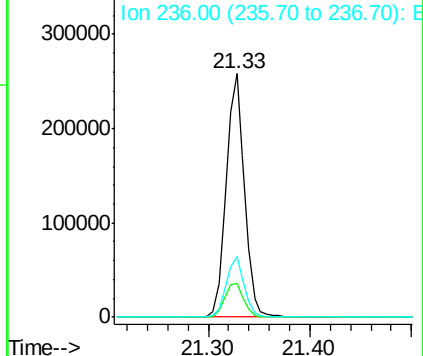


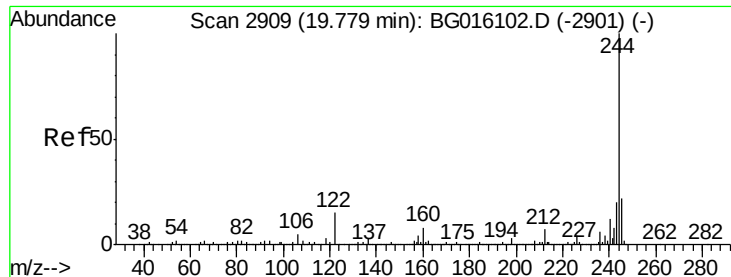
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.33 min Scan# 3173
Delta R.T. -0.00 min
Lab File: BG016141.D
Acq: 26 Mar 2015 15:46

Tgt Ion:240 Resp: 321057
Ion Ratio Lower Upper
240 100
120 13.9 13.0 19.4
236 24.8 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: 83.95 ng

RT: 19.78 min Scan# 2909

Delta R.T. -0.00 min

Lab File: BG016141.D

Acq: 26 Mar 2015 15:46

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

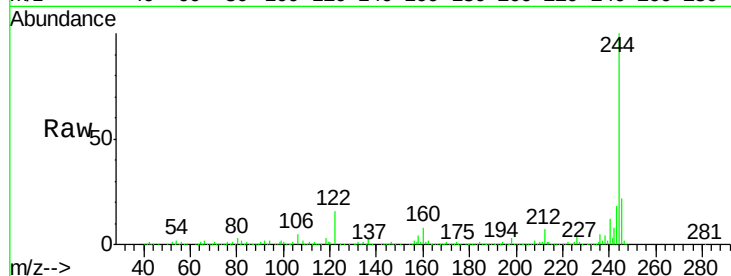
Tgt Ion:244 Resp: 1070185

Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

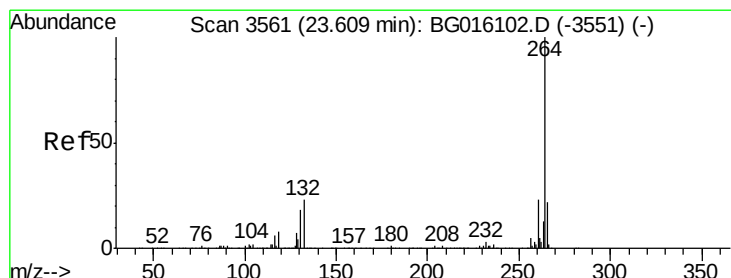
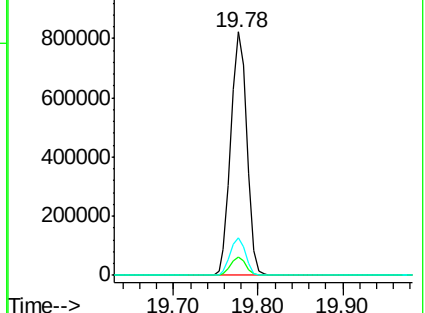
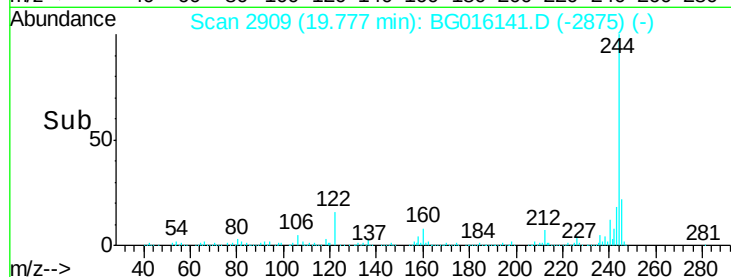
122 15.7 12.2 18.2



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: 23.61 min Scan# 3562

Delta R.T. -0.01 min

Lab File: BG016141.D

Acq: 26 Mar 2015 15:46

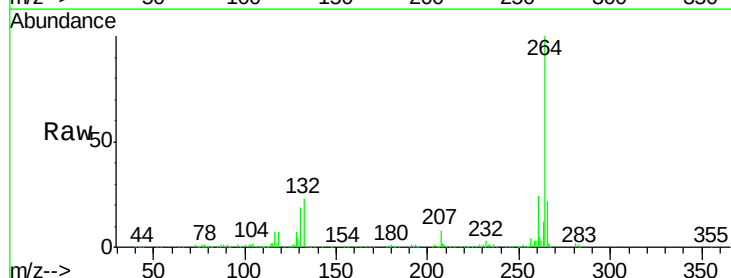
Tgt Ion:264 Resp: 302835

Ion Ratio Lower Upper

264 100

260 23.5 18.4 27.6

265 22.1 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

