

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG010515\
 Data File : BG015850.D
 Acq On : 5 Jan 2015 19:36
 Operator : TP/IZ
 Sample : G1001-03
 Misc : LOD-SOIL-8PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Jan 06 09:45:05 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG010515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 06 08:46:19 2015
 Response via : Initial Calibration

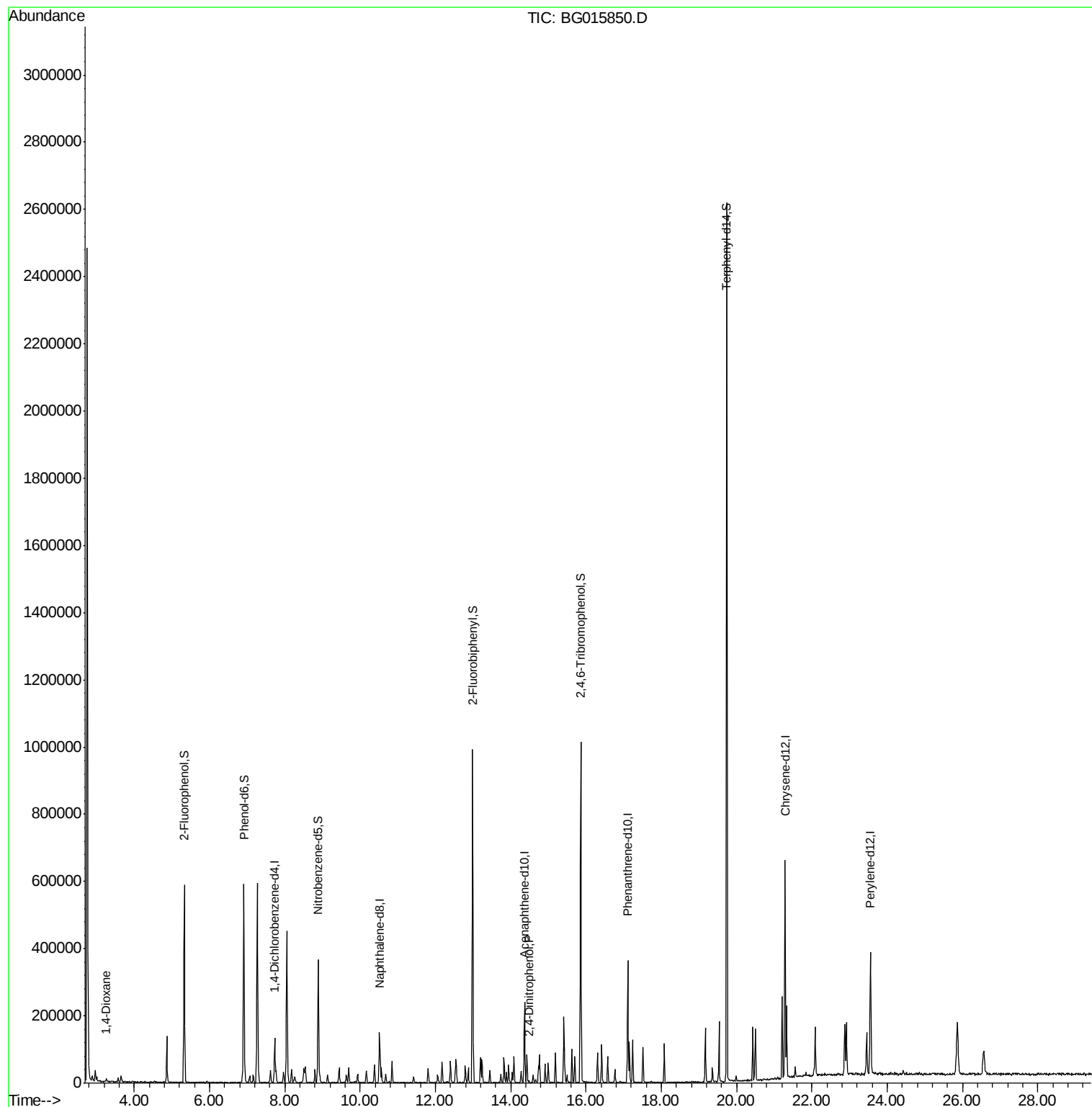
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	28832	20.00	ng	0.00
21) Naphthalene-d8	10.51	136	100243	20.00	ng	0.00
38) Acenaphthene-d10	14.36	164	82057	20.00	ng	0.00
63) Phenanthrene-d10	17.11	188	190350	20.00	ng	0.00
75) Chrysene-d12	21.29	240	305145	20.00	ng	-0.01
86) Perylene-d12	23.56	264	282888	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	212741	63.46	ng	0.00
7) Phenol-d6	6.91	99	287849	61.65	ng	0.00
23) Nitrobenzene-d5	8.89	82	211423	41.38	ng	0.00
41) 2,4,6-Tribromophenol	15.86	330	190742	61.15	ng	0.00
44) 2-Fluorobiphenyl	12.99	172	456222	39.71	ng	0.00
78) Terphenyl-d14	19.74	244	1096949	40.17	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.25	88	4570	5.94	ng	# 70
53) 2,4-Dinitrophenol	14.49	184	1610	11.46	ng	# 88

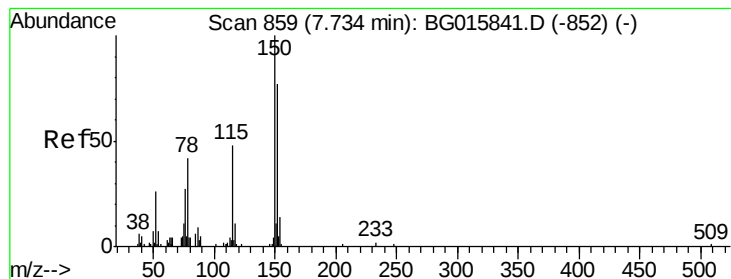
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG010515.M
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QLast Update : Tue Jan 06 08:46:19 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.73 min Scan# 858

Delta R.T. -0.00 min

Lab File: BG015850.D

Acq: 5 Jan 2015 19:36

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

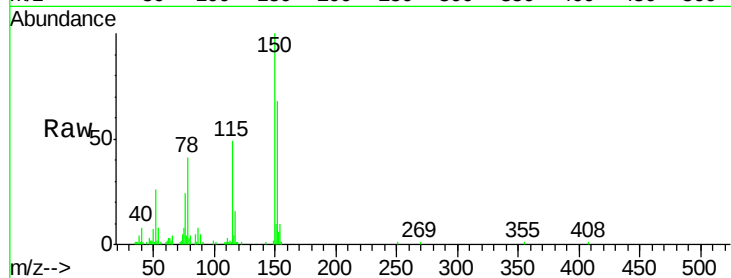
Tgt Ion:152 Resp: 28832

Ion Ratio Lower Upper

152 100

150 147.3 120.5 180.7

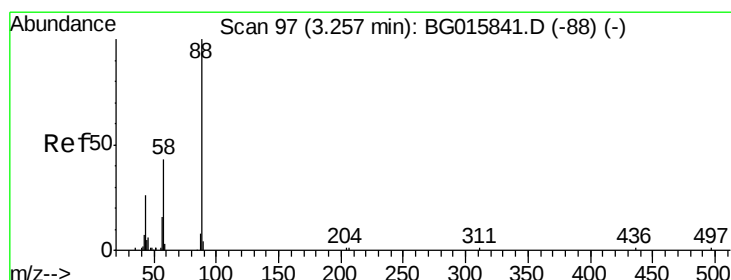
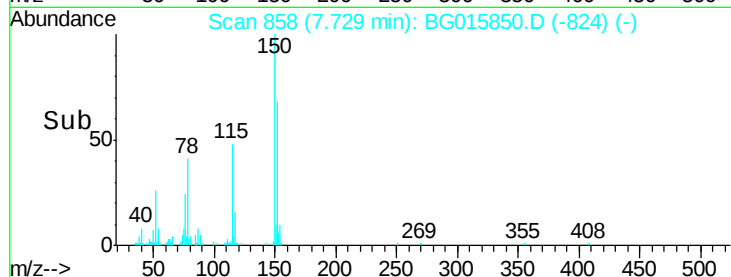
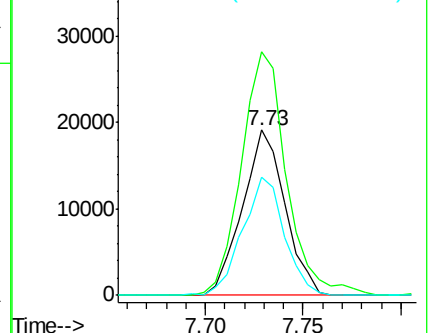
115 71.5 54.0 81.0



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: 5.94 ng

RT: 3.25 min Scan# 96

Delta R.T. -0.01 min

Lab File: BG015850.D

Acq: 5 Jan 2015 19:36

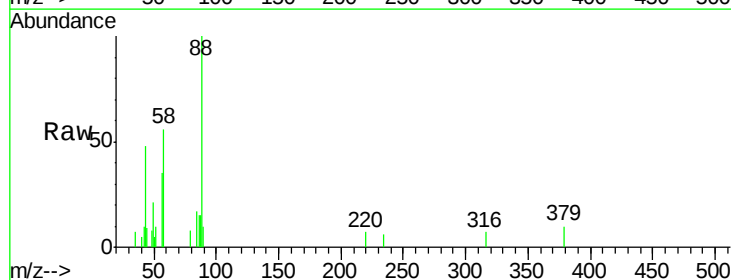
Tgt Ion: 88 Resp: 4570

Ion Ratio Lower Upper

88 100

58 68.3 37.9 56.9#

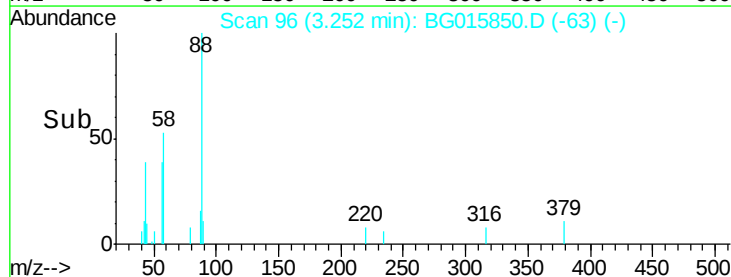
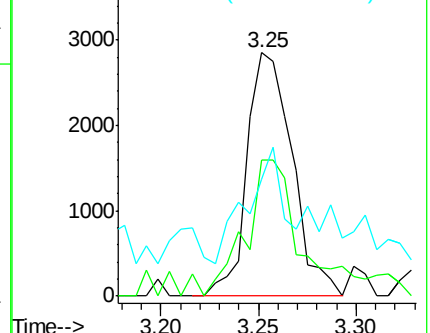
43 39.5 20.7 31.1#

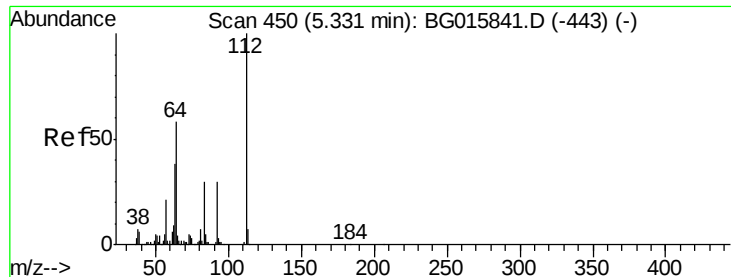


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 63.46 ng

RT: 5.33 min Scan# 450

Delta R.T. 0.00 min

Lab File: BG015850.D

Acq: 5 Jan 2015 19:36

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

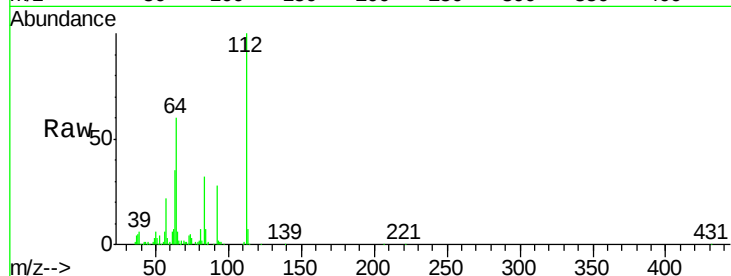
Tgt Ion:112 Resp: 212741

Ion Ratio Lower Upper

112 100

64 59.6 46.8 70.2

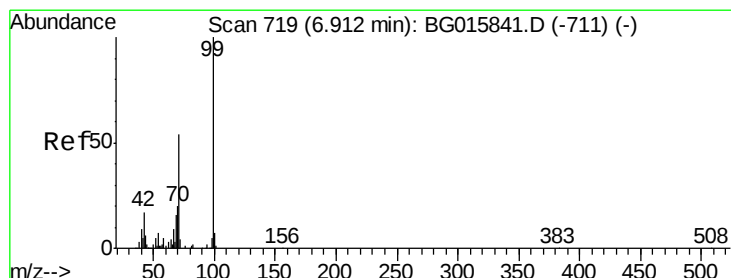
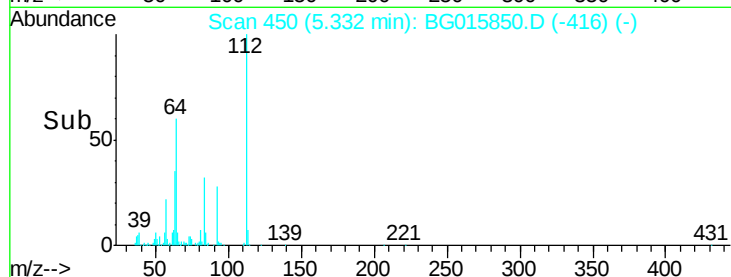
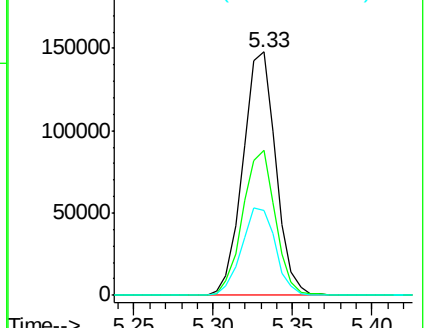
63 34.9 30.6 45.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 61.65 ng

RT: 6.91 min Scan# 719

Delta R.T. 0.00 min

Lab File: BG015850.D

Acq: 5 Jan 2015 19:36

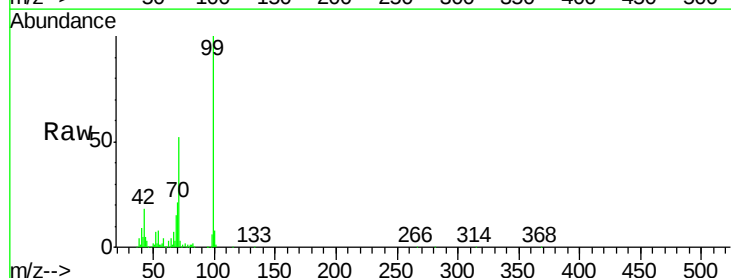
Tgt Ion: 99 Resp: 287849

Ion Ratio Lower Upper

99 100

42 17.9 13.8 20.8

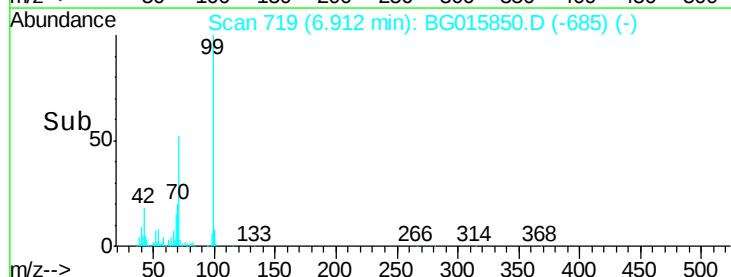
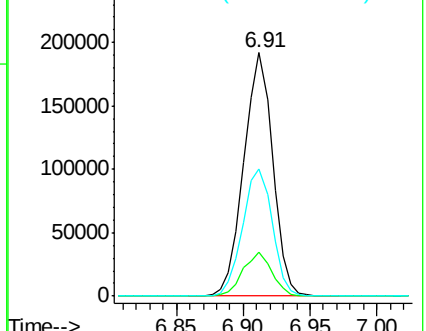
71 52.1 42.8 64.2

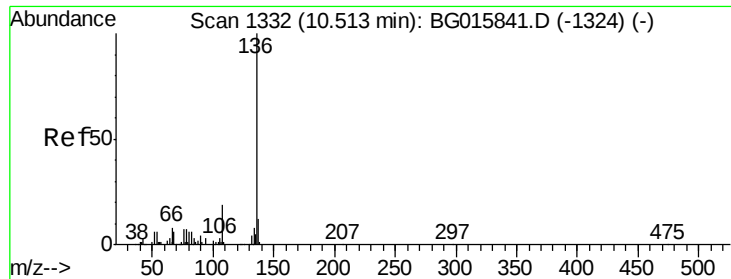


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

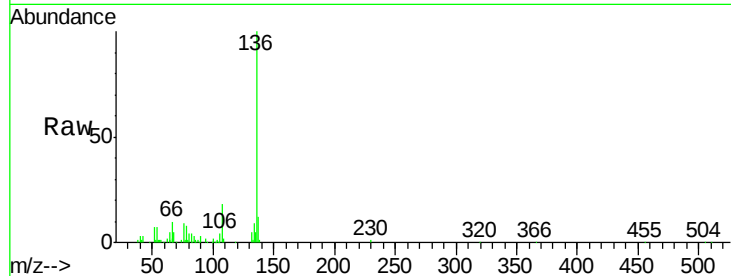




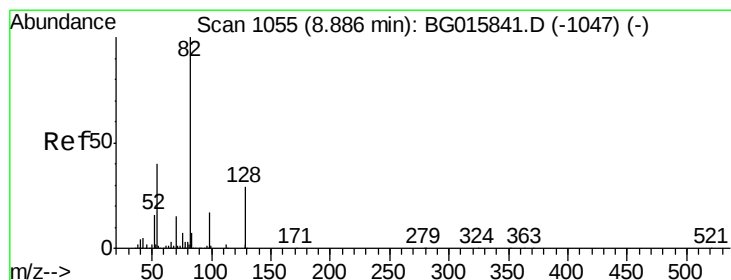
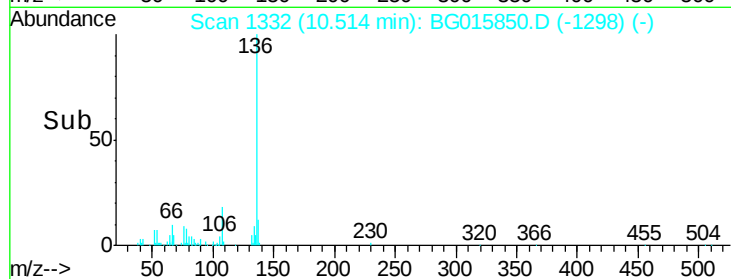
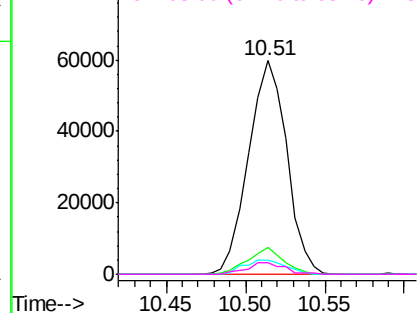
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.51 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BG015850.D
Acq: 5 Jan 2015 19:36

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:	136	Resp:	100243
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.6	14.4
54	6.7	4.5	6.7
68	5.1	5.0	7.4

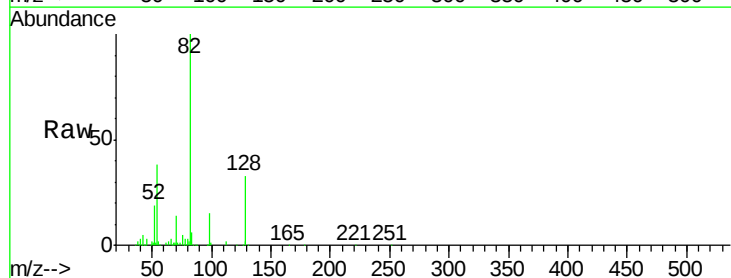


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

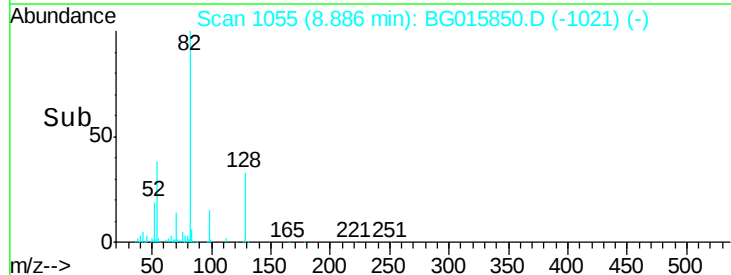
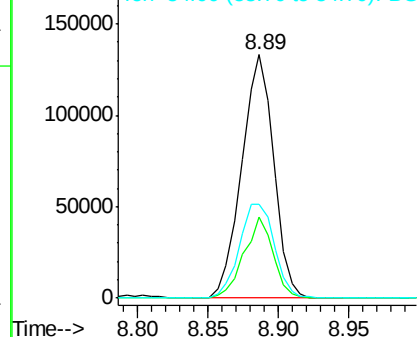


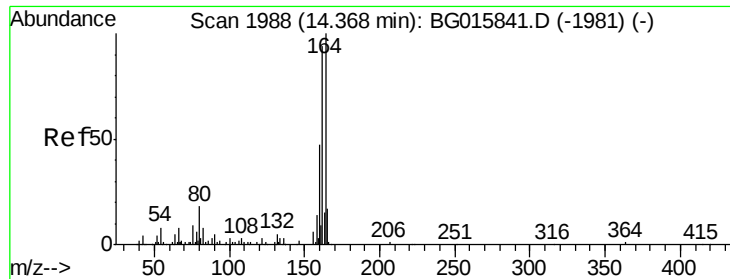
#23
Nitrobenzene-d5
Concen: 41.38 ng
RT: 8.89 min Scan# 1055
Delta R.T. 0.00 min
Lab File: BG015850.D
Acq: 5 Jan 2015 19:36

Tgt Ion:	82	Resp:	211423
Ion	Ratio	Lower	Upper
82	100		
128	33.2	23.4	35.0
54	38.4	32.3	48.5



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: 14.36 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BG015850.D

Acq: 5 Jan 2015 19:36

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

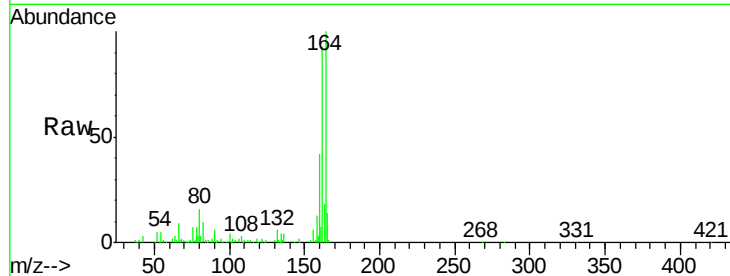
Tgt Ion:164 Resp: 82057

Ion Ratio Lower Upper

164 100

162 93.0 75.5 113.3

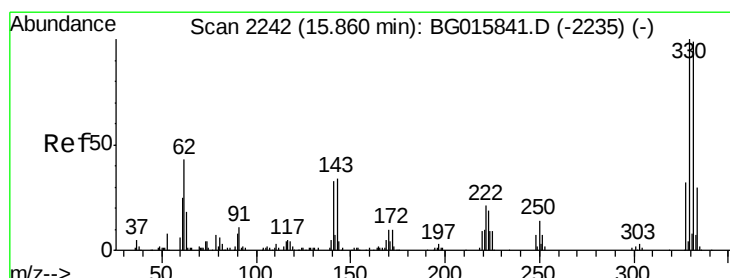
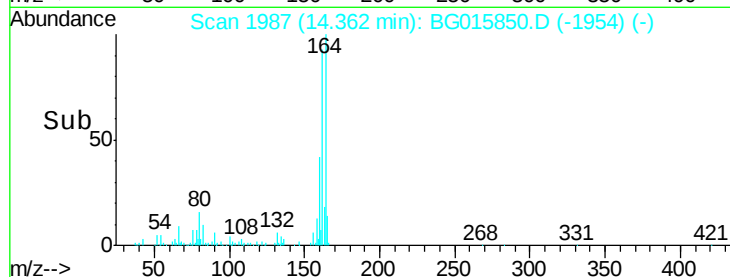
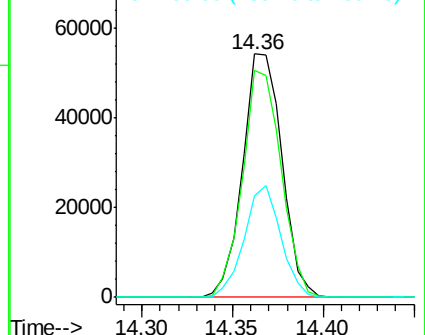
160 41.6 37.4 56.0



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: 61.15 ng

RT: 15.86 min Scan# 2242

Delta R.T. 0.00 min

Lab File: BG015850.D

Acq: 5 Jan 2015 19:36

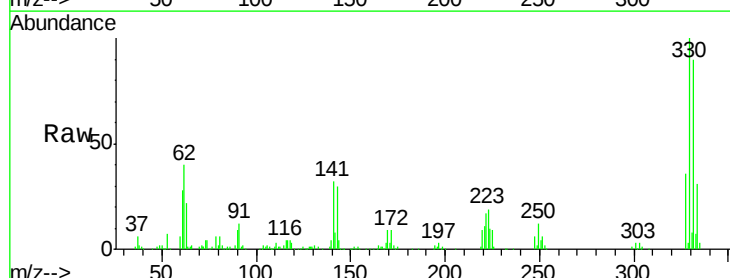
Tgt Ion:330 Resp: 190742

Ion Ratio Lower Upper

330 100

332 94.6 73.8 110.8

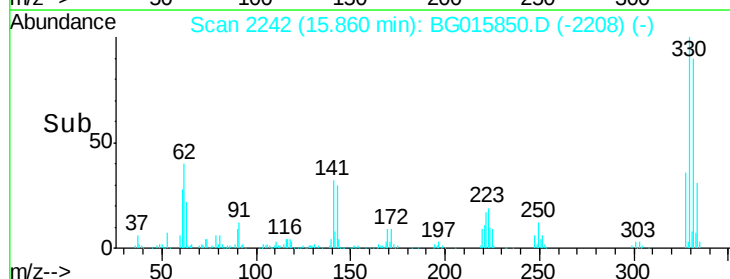
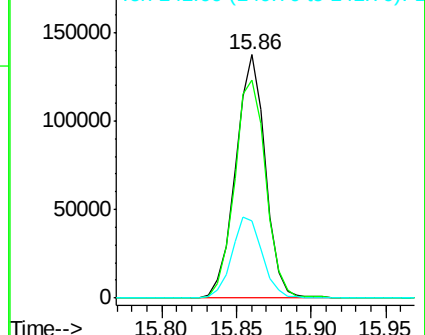
141 34.6 27.2 40.8

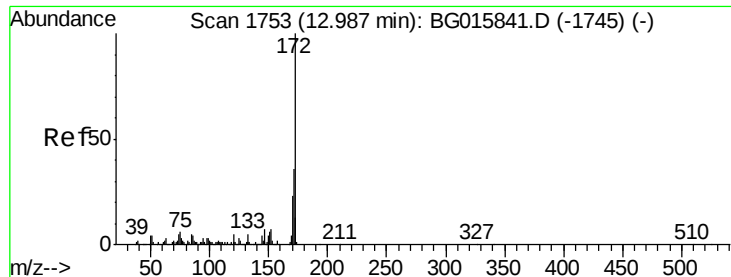


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

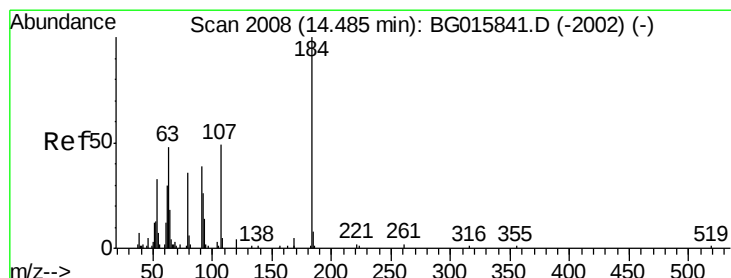
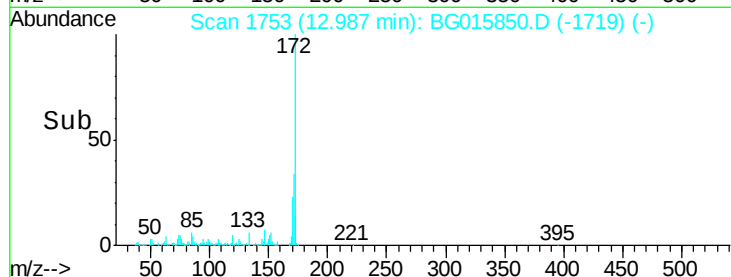
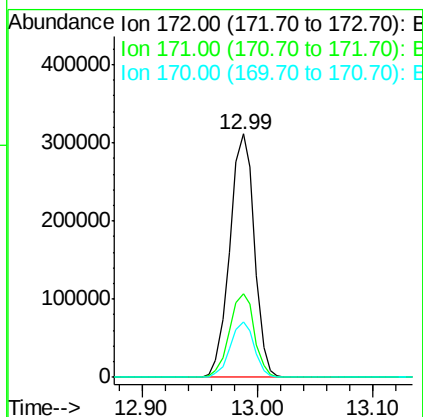
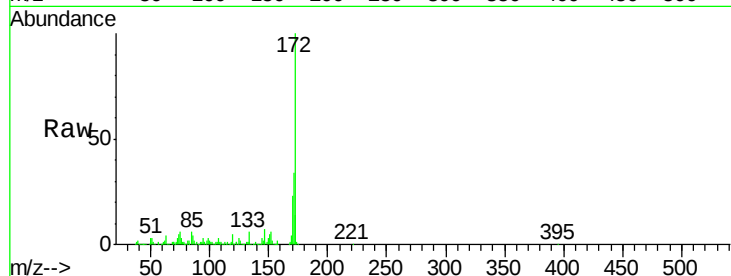




#44
2-Fluorobiphenyl
Concen: 39.71 ng
RT: 12.99 min Scan# 1753
Delta R.T. 0.00 min
Lab File: BG015850.D
Acq: 5 Jan 2015 19:36

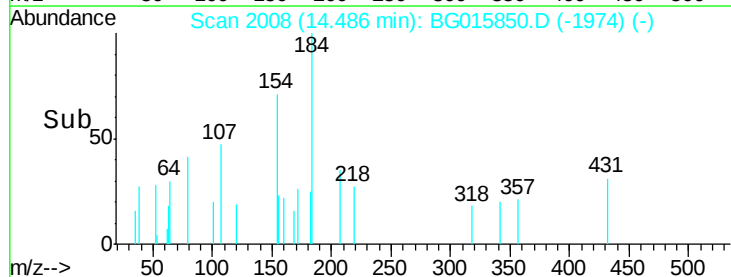
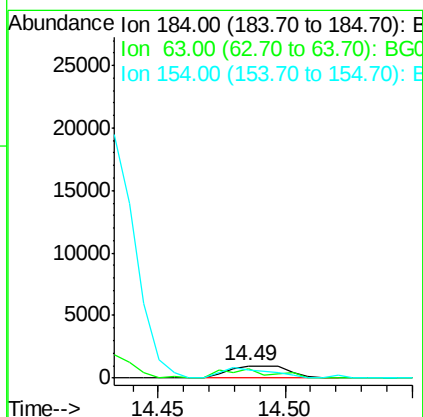
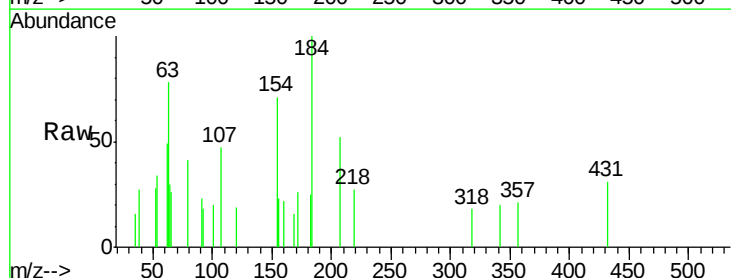
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

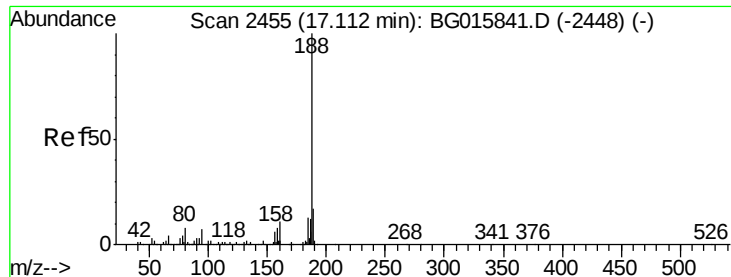
Tgt Ion:172 Resp: 456222
Ion Ratio Lower Upper
172 100
171 34.3 28.6 43.0
170 22.8 18.2 27.4



#53
2,4-Dinitrophenol
Concen: 11.46 ng
RT: 14.49 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BG015850.D
Acq: 5 Jan 2015 19:36

Tgt Ion:184 Resp: 1610
Ion Ratio Lower Upper
184 100
63 78.1 47.3 70.9#
154 70.7 56.9 85.3

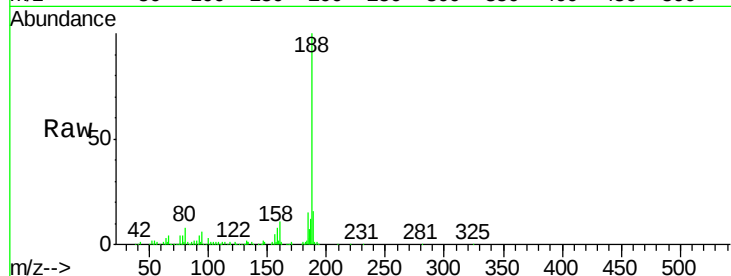




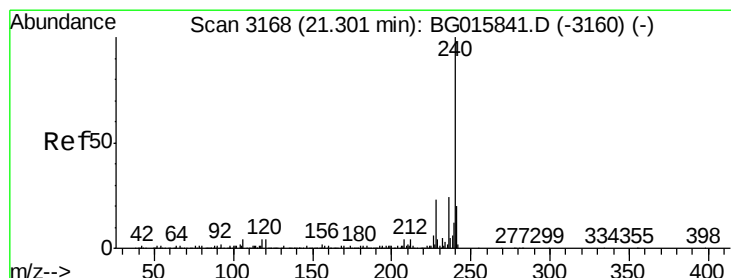
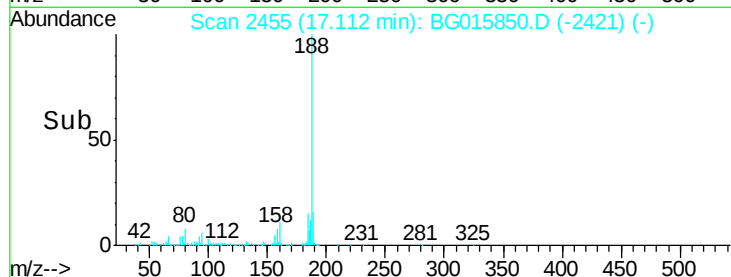
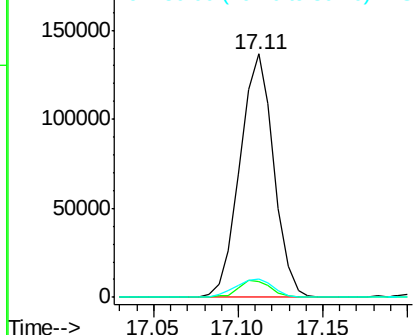
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.11 min Scan# 2455
Delta R.T. 0.00 min
Lab File: BG015850.D
Acq: 5 Jan 2015 19:36

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:188 Resp: 190350
Ion Ratio Lower Upper
188 100
94 6.4 5.4 8.0
80 7.6 6.6 9.8

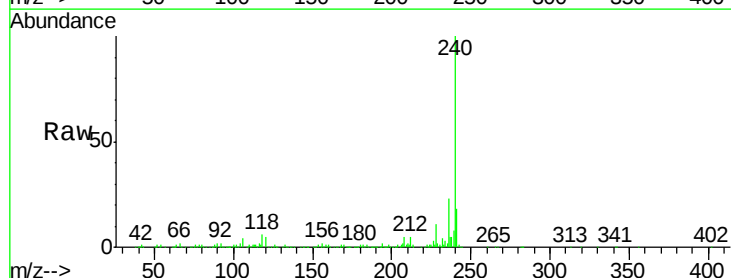


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGO
Ion 80.00 (79.70 to 80.70): BGO

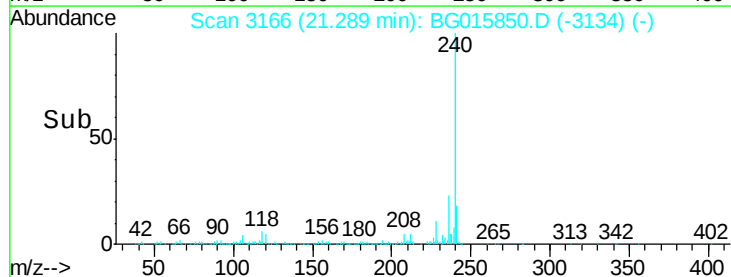
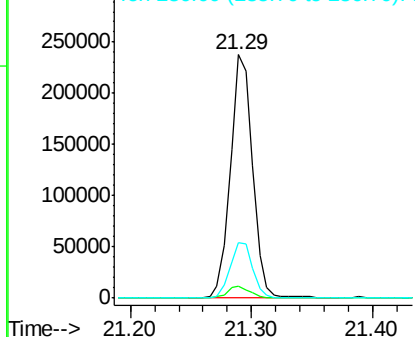


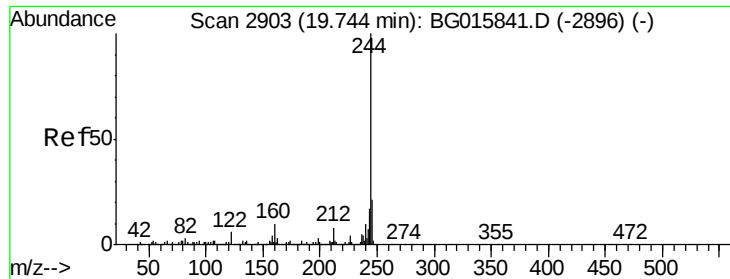
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.29 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG015850.D
Acq: 5 Jan 2015 19:36

Tgt Ion:240 Resp: 305145
Ion Ratio Lower Upper
240 100
120 5.1 3.4 5.2
236 22.6 19.0 28.6



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: 40.17 ng

RT: 19.74 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG015850.D

Acq: 5 Jan 2015 19:36

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

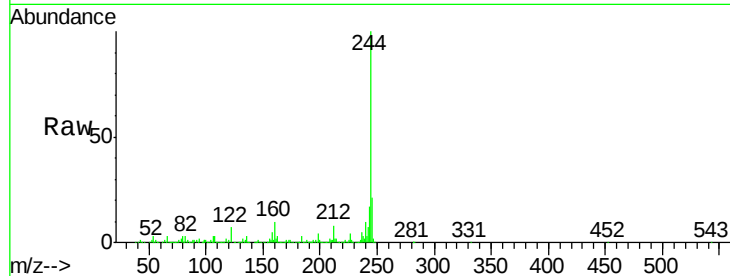
Tgt Ion:244 Resp: 1096949

Ion Ratio Lower Upper

244 100

212 8.5 6.6 9.8

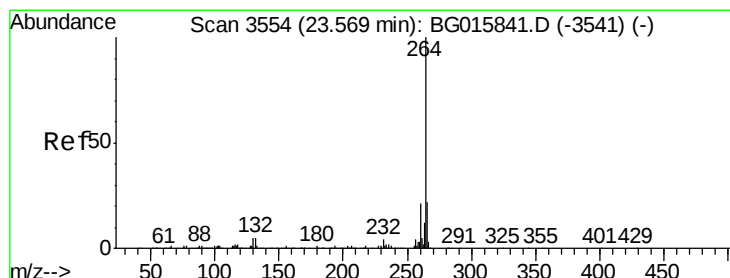
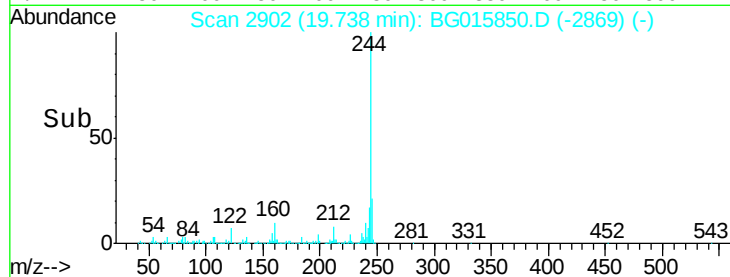
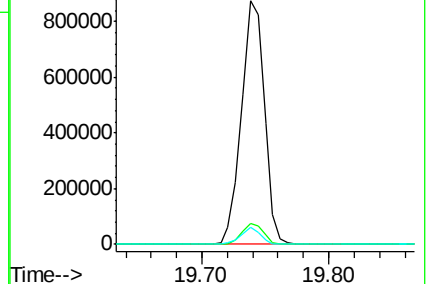
122 6.8 4.7 7.1



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.56 min Scan# 3552

Delta R.T. -0.01 min

Lab File: BG015850.D

Acq: 5 Jan 2015 19:36

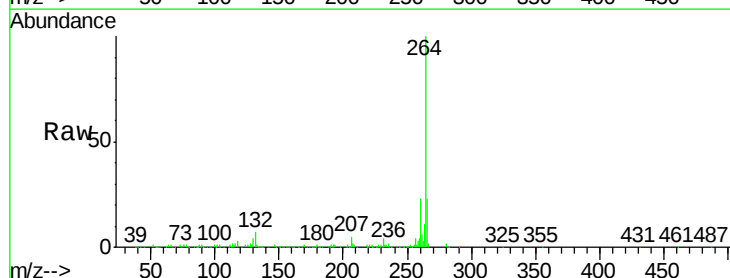
Tgt Ion:264 Resp: 282888

Ion Ratio Lower Upper

264 100

260 22.6 17.0 25.4

265 22.6 17.4 26.0



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

