

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062716\
 Data File : BG022659.D
 Acq On : 28 Jun 2016 1:58
 Operator : UM/SJ
 Sample : H3606-03
 Misc : LOD-2PPM
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Jun 28 04:31:20 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 20:14:59 2016
 Response via : Initial Calibration

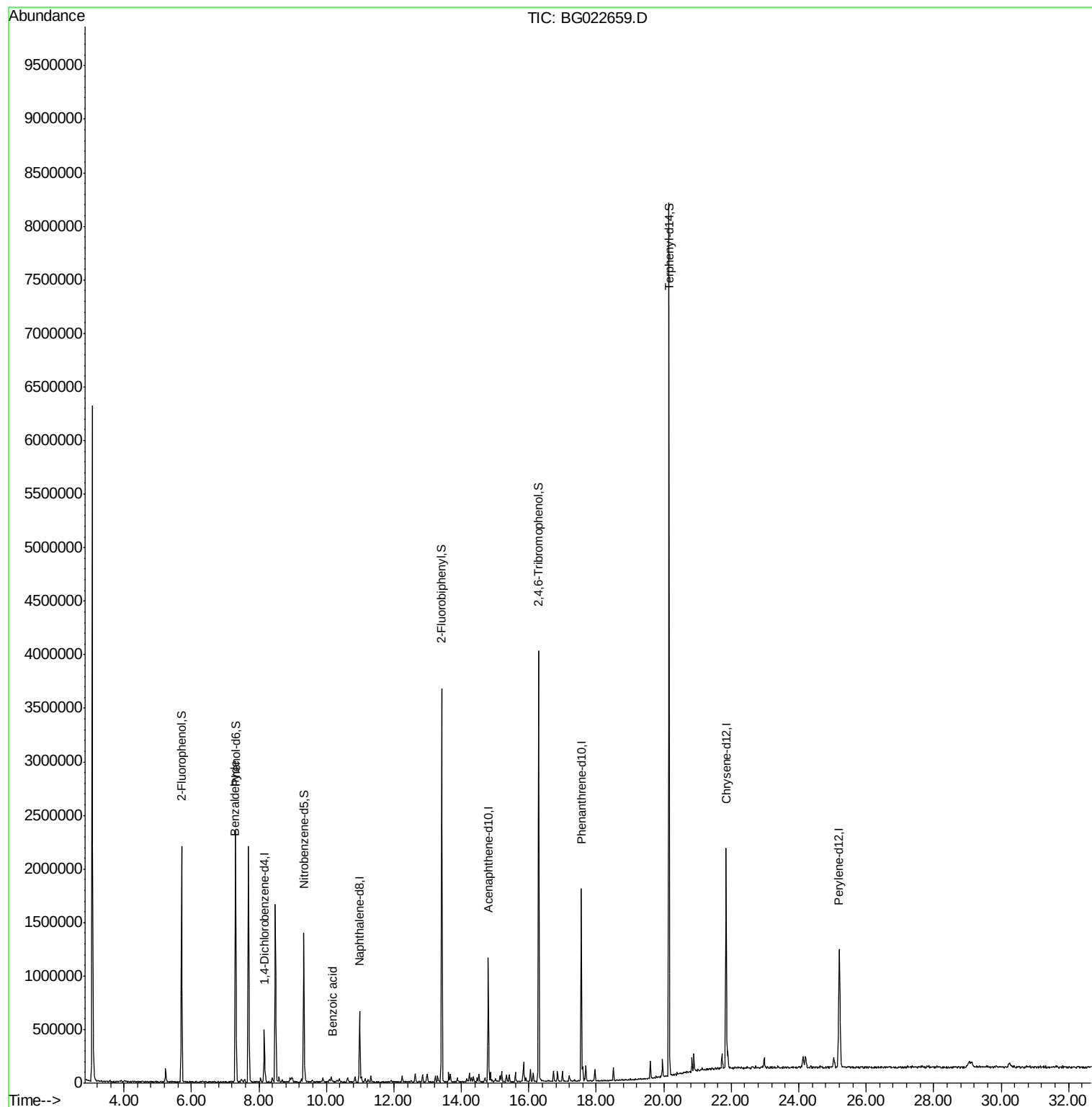
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	123960	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	537605	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	397896	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	1092160	20.00	ng	0.00
75) Chrysene-d12	21.85	240	1266218	20.00	ng	0.00
86) Perylene-d12	25.21	264	1306119	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	878992	113.73	ng	0.00
7) Phenol-d6	7.31	99	1295287	118.90	ng	0.00
23) Nitrobenzene-d5	9.33	82	879082	69.21	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	736003	117.60	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1762697	70.26	ng	0.00
78) Terphenyl-d14	20.16	244	2952002	61.77	ng	0.00
Target Compounds						
9) Benzaldehyde	7.29	77	17180	4.48	ng	# 80
32) Benzoic acid	10.19	122	3403	5.59	ng	# 68

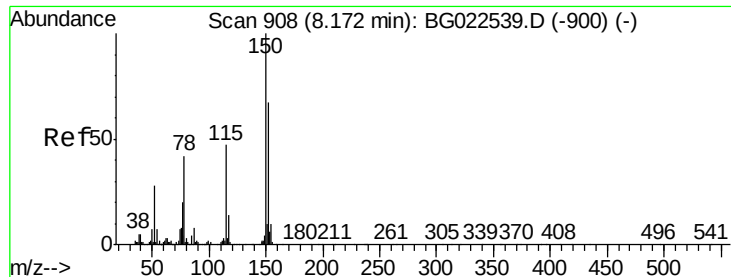
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 906

Delta R.T. -0.01 min

Lab File: BG022659.D

Acq: 28 Jun 2016 1:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

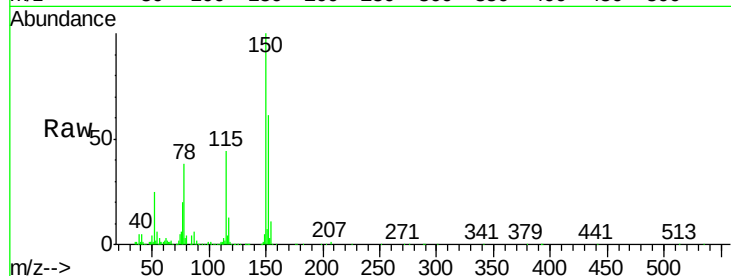
Tgt Ion:152 Resp: 123960

Ion Ratio Lower Upper

152 100

150 163.1 144.7 217.1

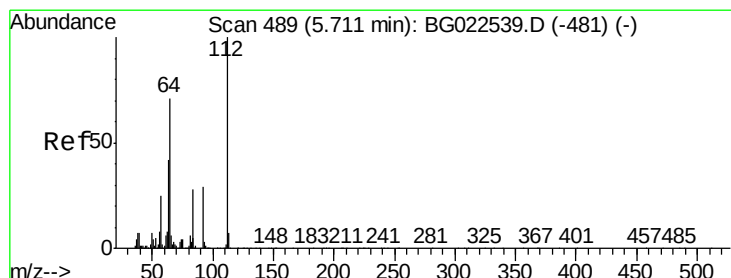
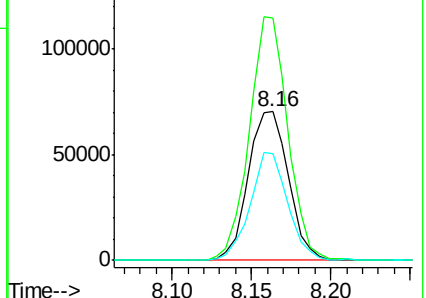
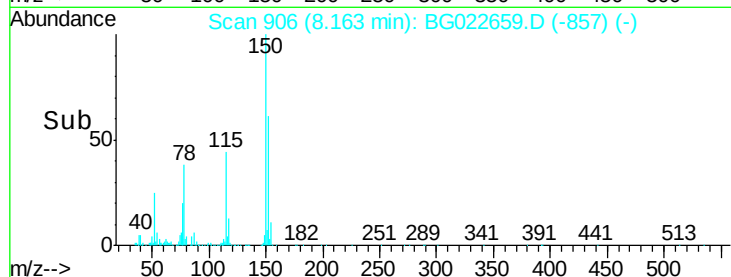
115 71.6 64.0 96.0



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



#5

2-Fluorophenol

Concen: 113.73 ng

RT: 5.71 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG022659.D

Acq: 28 Jun 2016 1:58

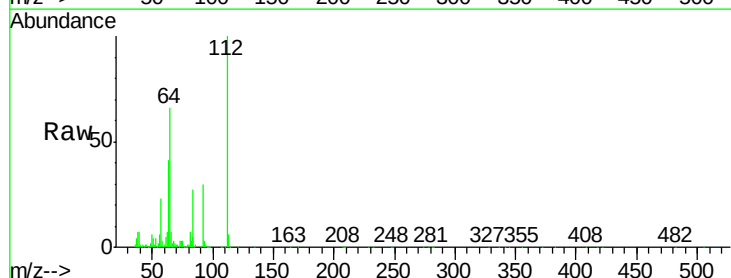
Tgt Ion:112 Resp: 878992

Ion Ratio Lower Upper

112 100

64 66.0 59.0 88.4

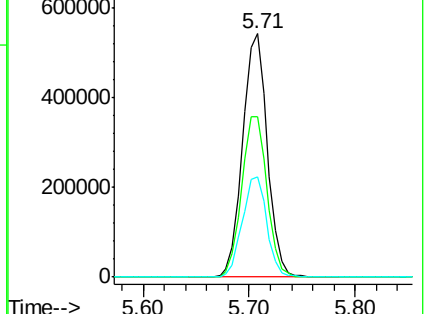
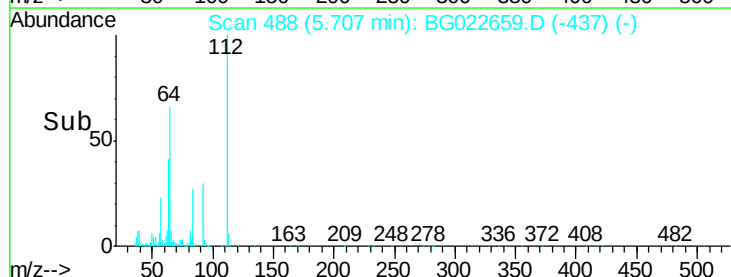
63 41.3 37.8 56.8

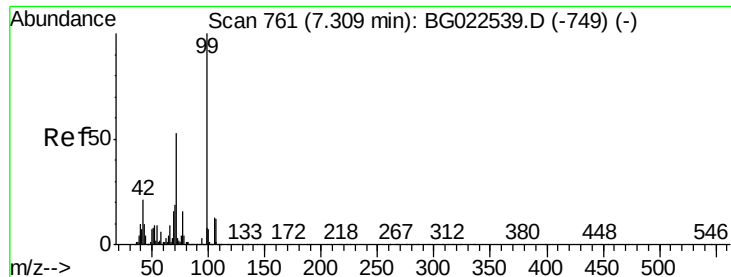


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 118.90 ng

RT: 7.31 min Scan# 760

Delta R.T. 0.00 min

Lab File: BG022659.D

Acq: 28 Jun 2016 1:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

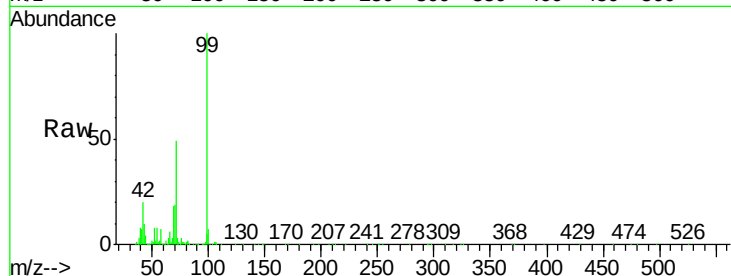
Tgt Ion: 99 Resp: 1295287

Ion Ratio Lower Upper

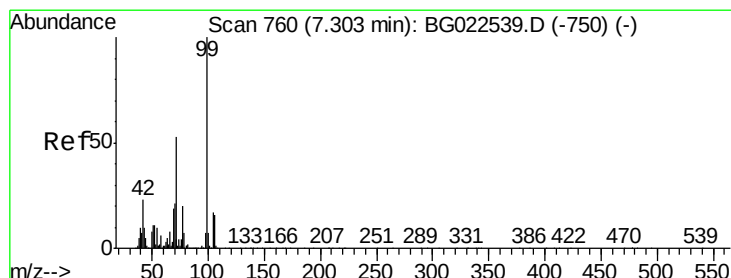
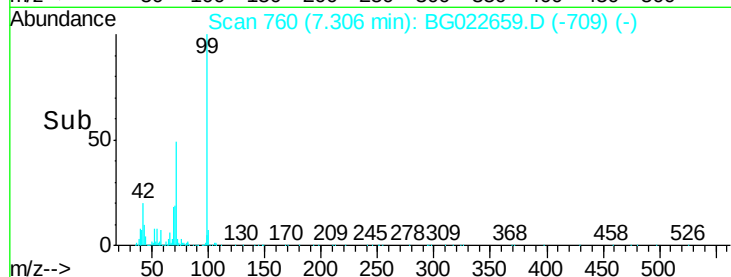
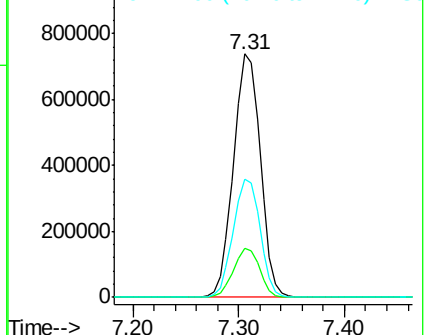
99 100

42 20.2 17.8 26.6

71 48.7 41.5 62.3



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



#9

Benzaldehyde

Concen: 4.48 ng

RT: 7.29 min Scan# 758

Delta R.T. -0.00 min

Lab File: BG022659.D

Acq: 28 Jun 2016 1:58

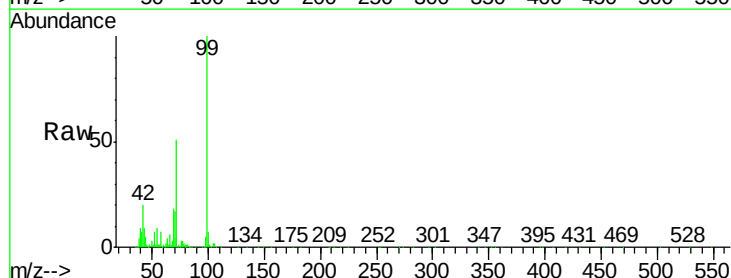
Tgt Ion: 77 Resp: 17180

Ion Ratio Lower Upper

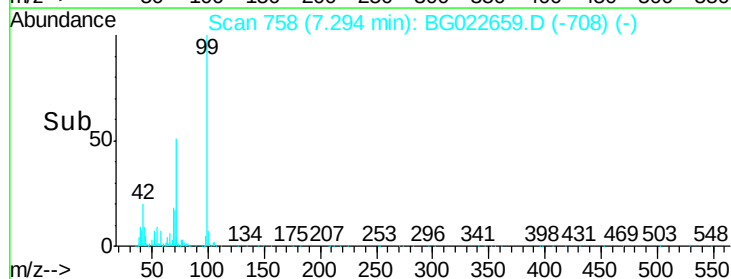
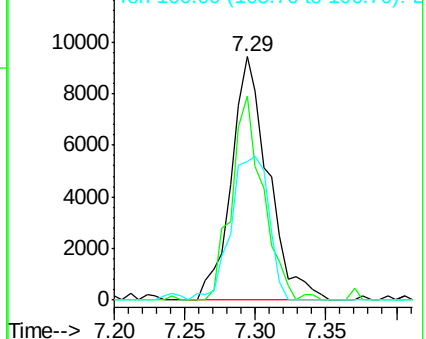
77 100

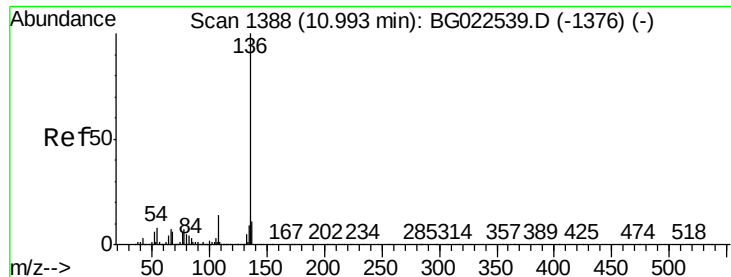
105 83.8 58.7 98.7

106 56.7 67.5 107.5#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

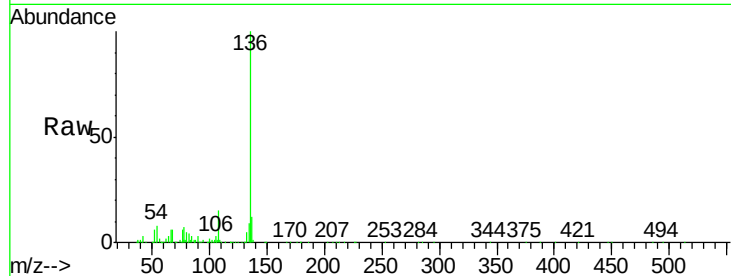




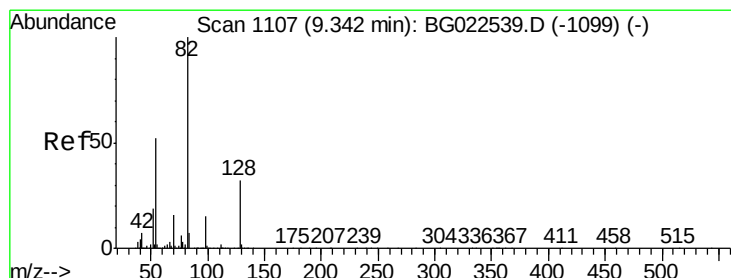
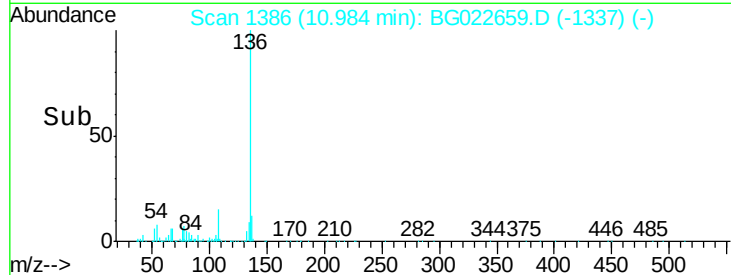
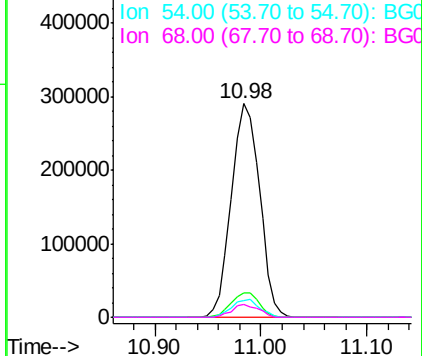
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.98 min Scan# 1386
Delta R.T. -0.01 min
Lab File: BG022659.D
Acq: 28 Jun 2016 1:58

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:	136	Resp:	537605
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.6	14.4
54	7.5	7.3	10.9
68	6.2	5.3	7.9

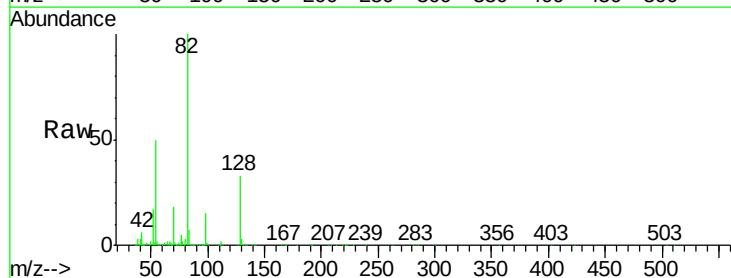


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

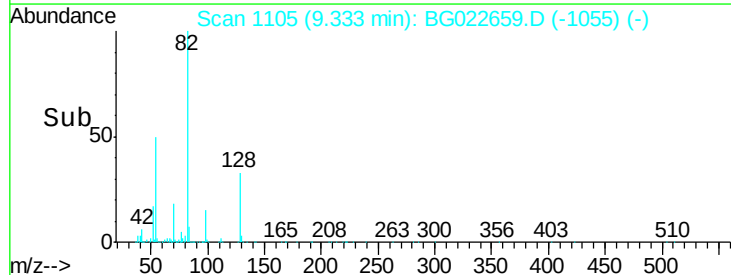
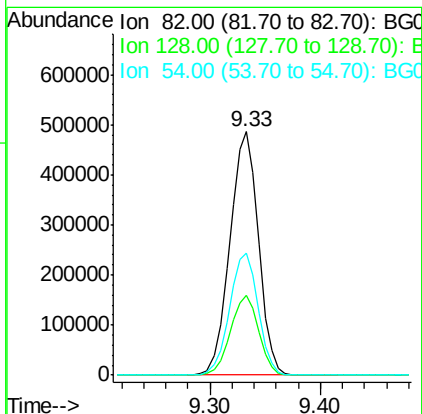


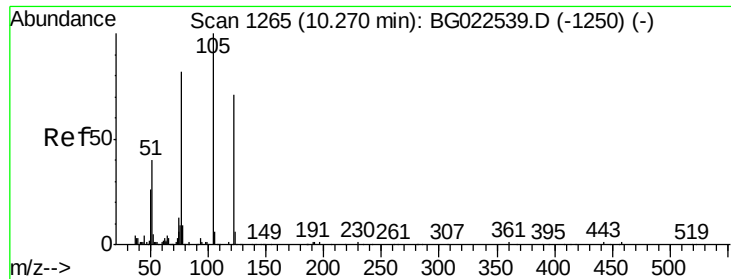
#23
Nitrobenzene-d5
Concen: 69.21 ng
RT: 9.33 min Scan# 1105
Delta R.T. -0.00 min
Lab File: BG022659.D
Acq: 28 Jun 2016 1:58

Tgt Ion:	82	Resp:	879082
Ion	Ratio	Lower	Upper
82	100		
128	32.6	24.4	36.6
54	49.9	41.4	62.0



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

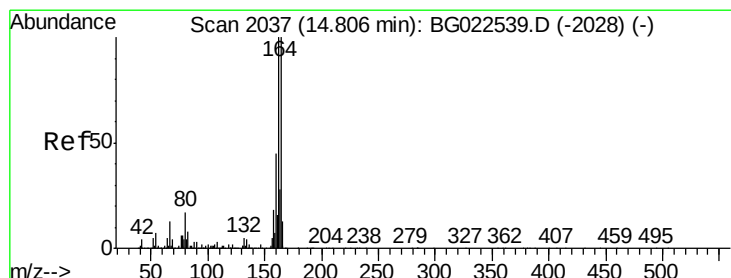
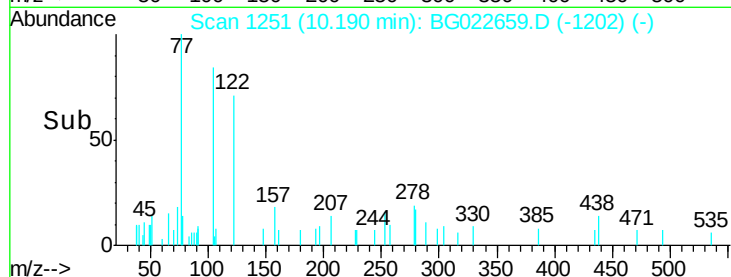
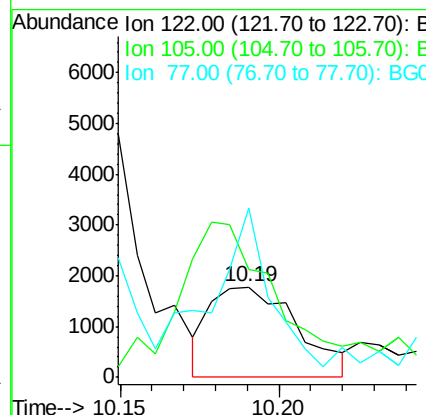
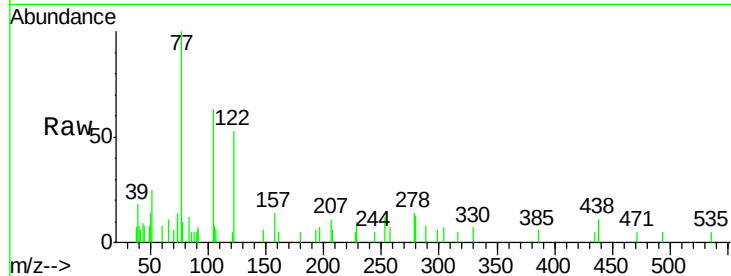




#32
Benzoic acid
Concen: 5.59 ng
RT: 10.19 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BG022659.D
Acq: 28 Jun 2016 1:58

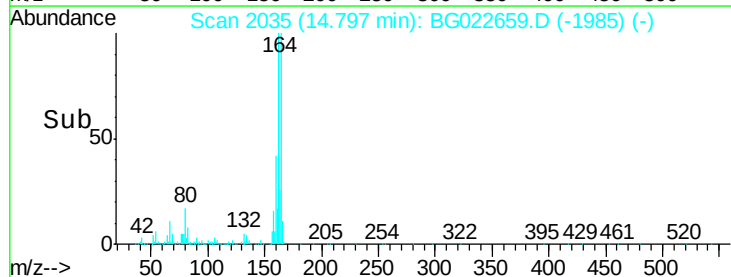
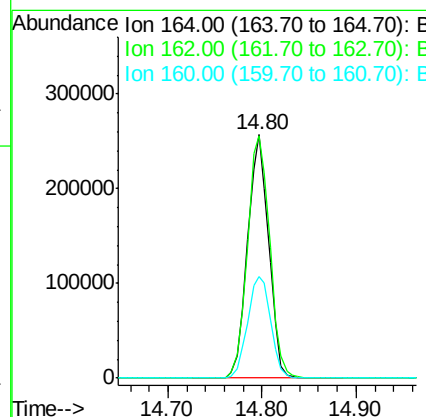
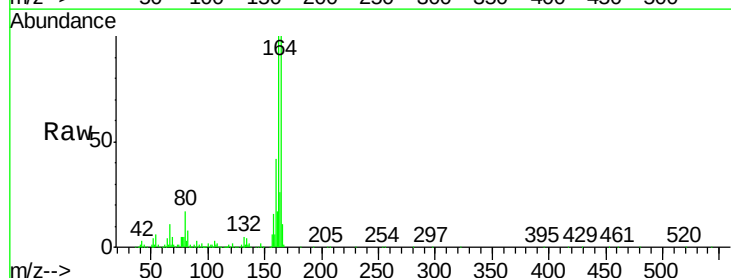
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

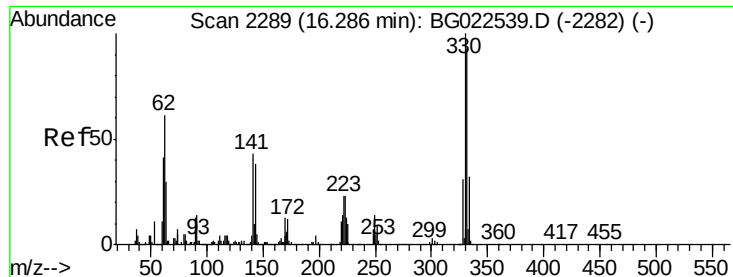
Tgt Ion:122 Resp: 3403
Ion Ratio Lower Upper
122 100
105 119.0 117.2 157.2
77 187.4 109.2 149.2#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BG022659.D
Acq: 28 Jun 2016 1:58

Tgt Ion:164 Resp: 397896
Ion Ratio Lower Upper
164 100
162 99.7 87.7 131.5
160 41.5 37.2 55.8





#41

2,4,6-Tribromophenol

Concen: 117.60 ng

RT: 16.29 min Scan# 2289

Delta R.T. 0.00 min

Lab File: BG022659.D

Acq: 28 Jun 2016 1:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

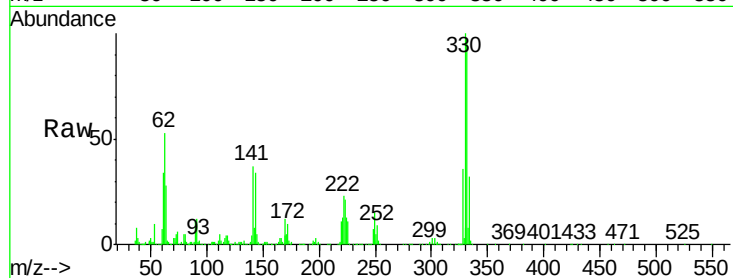
Tgt Ion:330 Resp: 736003

Ion Ratio Lower Upper

330 100

332 97.4 77.4 116.2

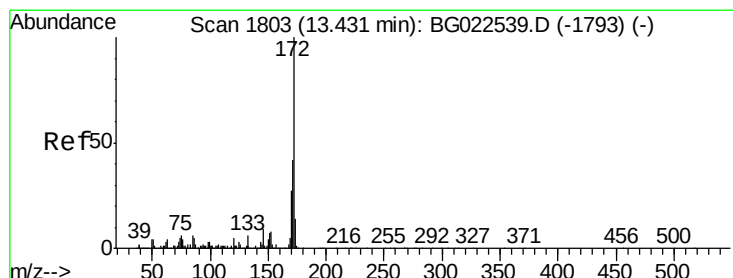
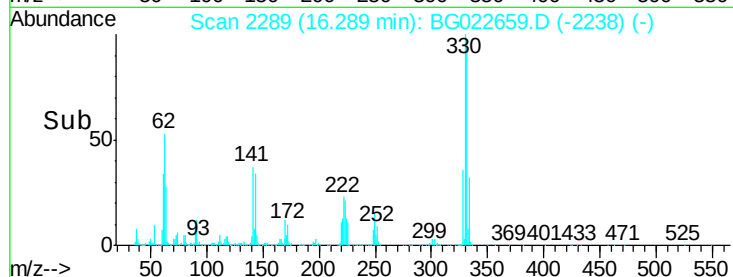
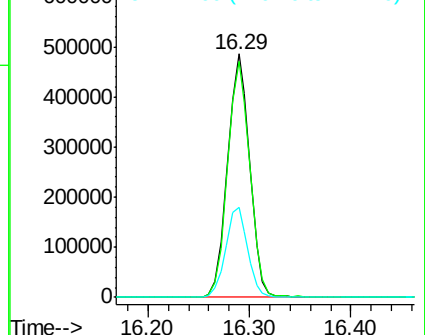
141 36.7 31.7 47.5



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: 70.26 ng

RT: 13.42 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BG022659.D

Acq: 28 Jun 2016 1:58

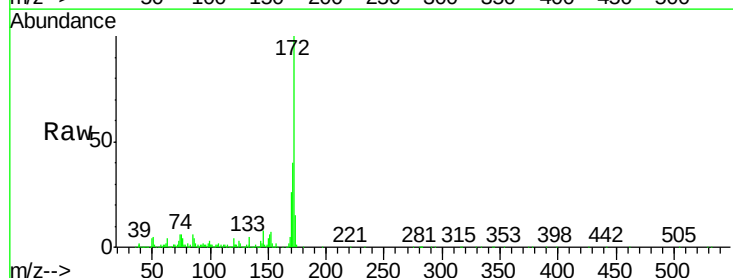
Tgt Ion:172 Resp: 1762697

Ion Ratio Lower Upper

172 100

171 40.1 31.6 47.4

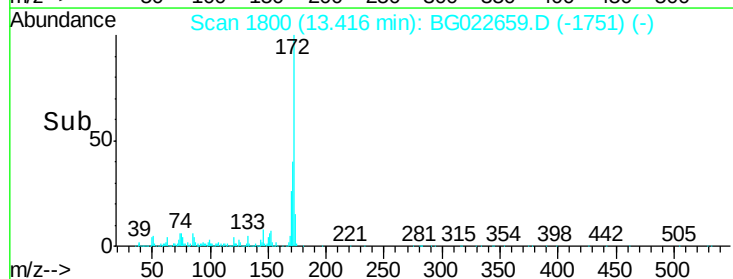
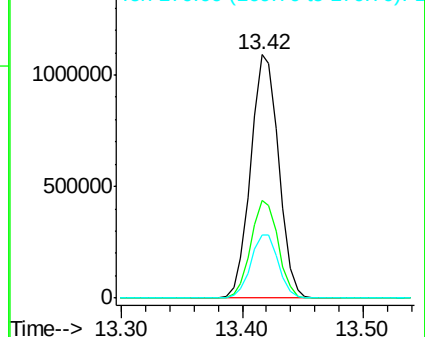
170 25.9 21.3 31.9

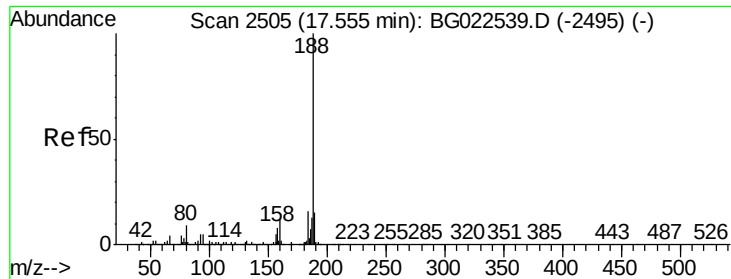


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

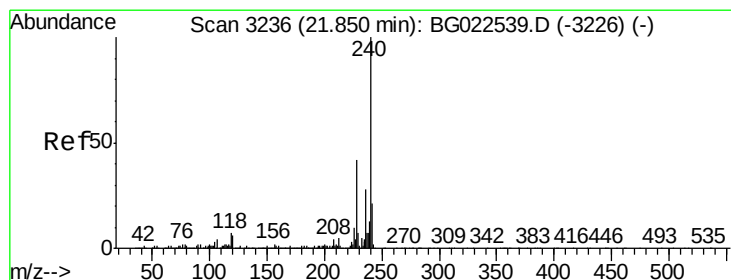
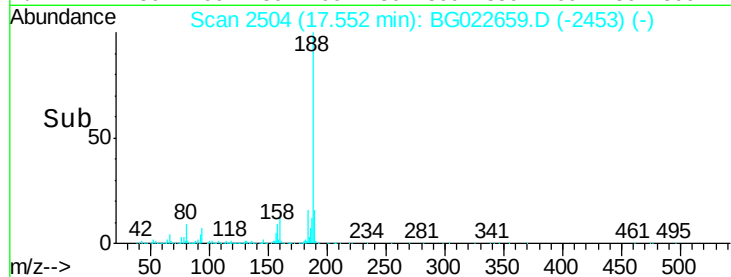
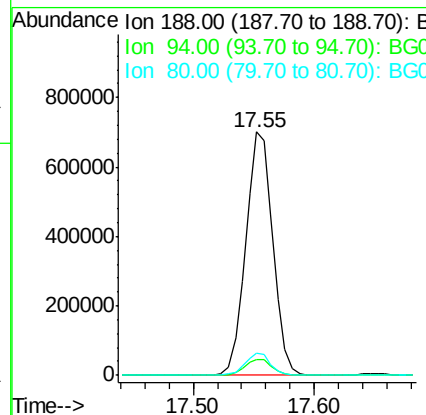
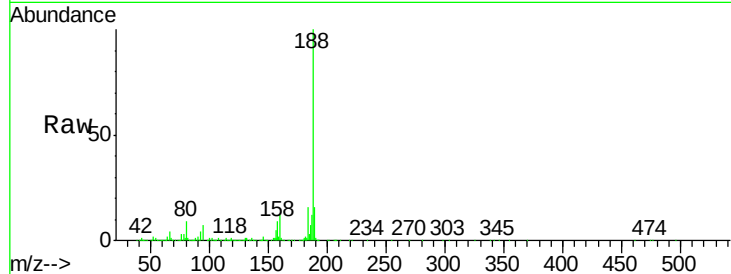




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.55 min Scan# 2504
Delta R.T. 0.00 min
Lab File: BG022659.D
Acq: 28 Jun 2016 1:58

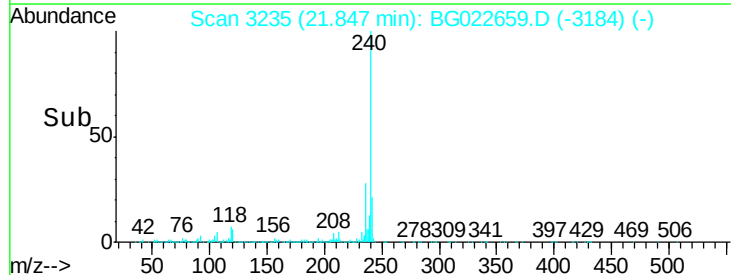
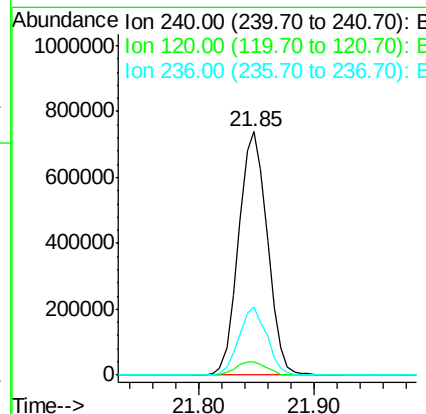
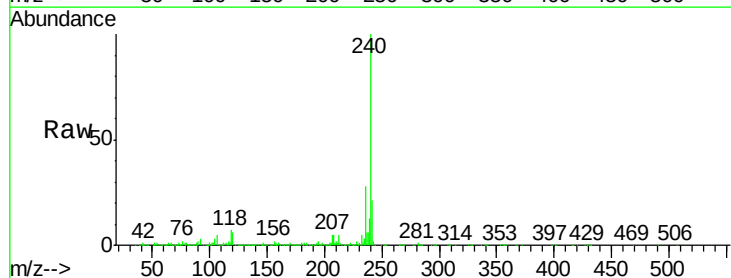
Instrument :
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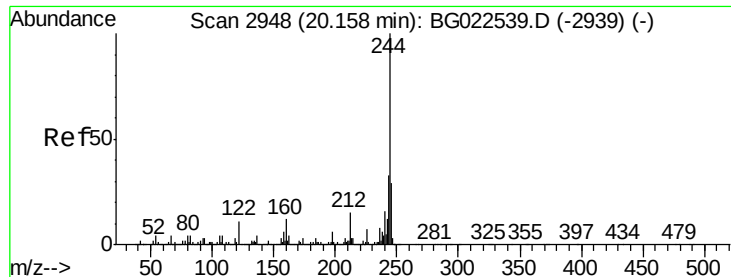
Tgt Ion:188 Resp: 1092160
Ion Ratio Lower Upper
188 100
94 6.5 5.2 7.8
80 8.9 7.2 10.8



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.85 min Scan# 3235
Delta R.T. 0.00 min
Lab File: BG022659.D
Acq: 28 Jun 2016 1:58

Tgt Ion:240 Resp: 1266218
Ion Ratio Lower Upper
240 100
120 5.7 4.1 6.1
236 27.8 21.1 31.7





#78

Terphenyl-d14

Concen: 61.77 ng

RT: 20.16 min Scan# 2947

Delta R.T. 0.00 min

Lab File: BG022659.D

Acq: 28 Jun 2016 1:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

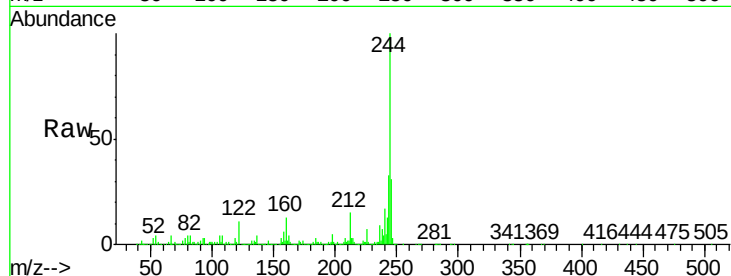
Tgt Ion:244 Resp: 2952002

Ion Ratio Lower Upper

244 100

212 14.9 10.8 16.2

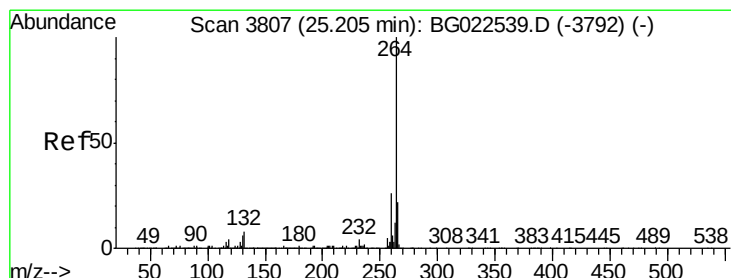
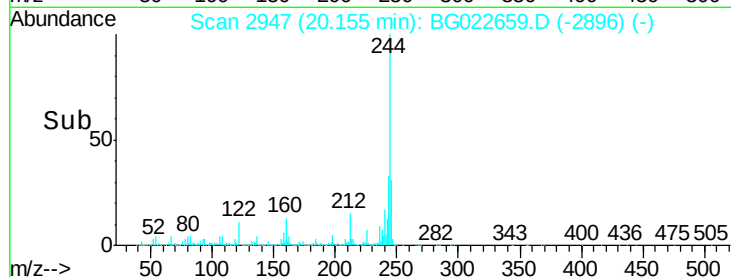
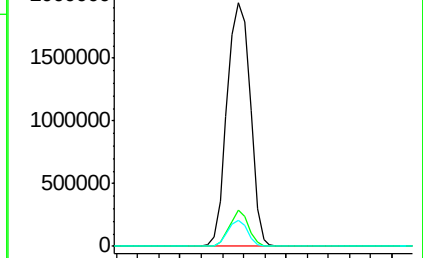
122 10.9 8.0 12.0



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: 25.21 min Scan# 3807

Delta R.T. 0.00 min

Lab File: BG022659.D

Acq: 28 Jun 2016 1:58

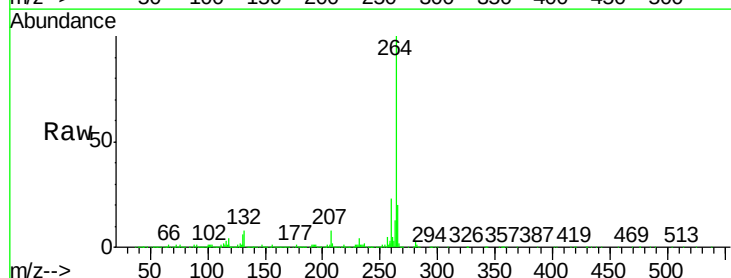
Tgt Ion:264 Resp: 1306119

Ion Ratio Lower Upper

264 100

260 22.6 18.4 27.6

265 20.5 18.9 28.3



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

