

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 07:36:36 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

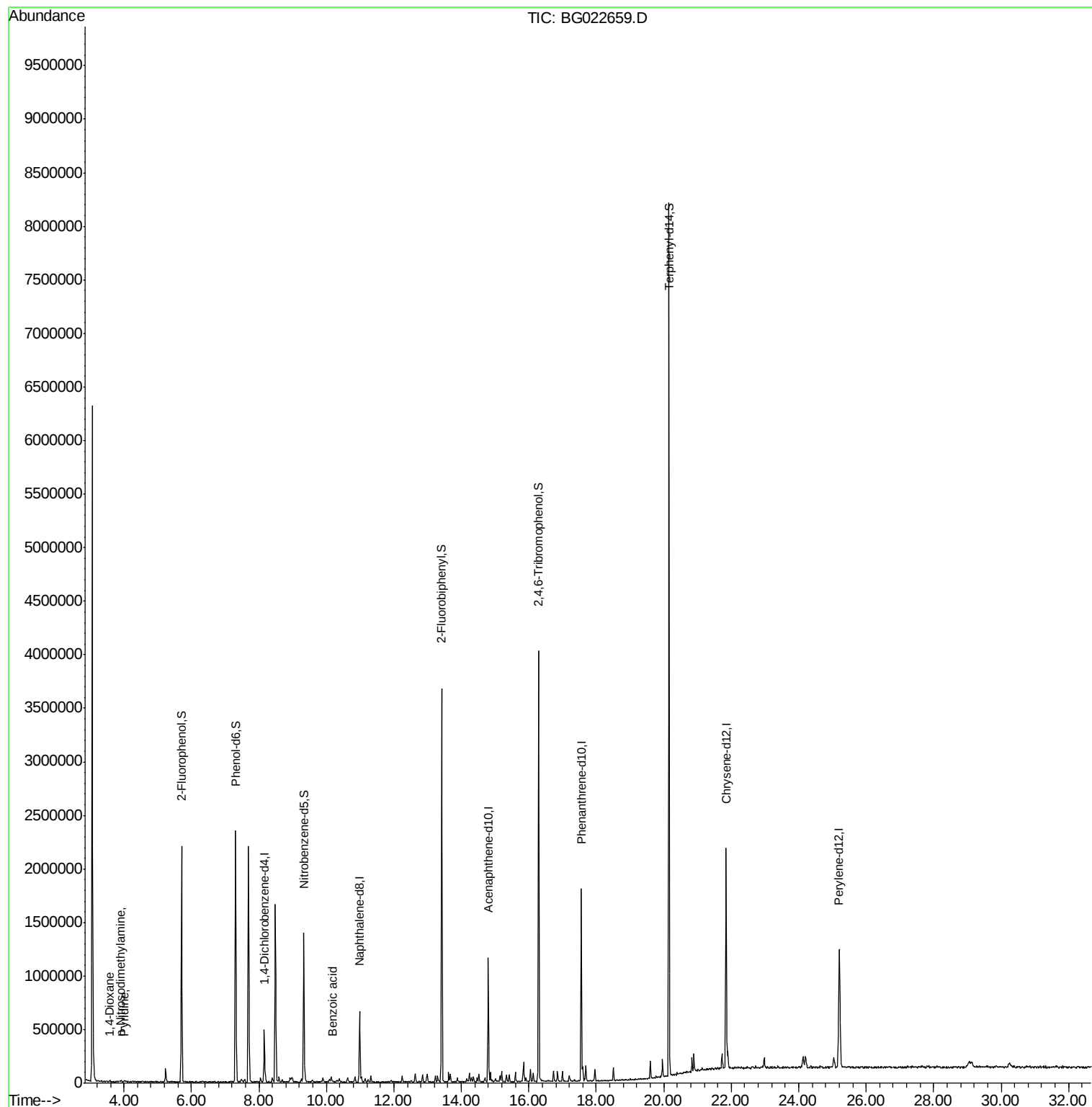
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	123960	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	537605	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	397896	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	1092160	20.00	ng	0.00
75) Chrysene-d12	21.85	240	1266218	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						
2) 1,4-Dioxane	3.58	88	4007	1.28	ng	# 90
3) Pyridine	4.00	79	9757	1.11	ng	# 85
4) n-Nitrosodimethylamine	3.90	42	7283	1.45	ng	# 77
32) Benzoic acid	10.19	122	3403	5.59	ng	# 68

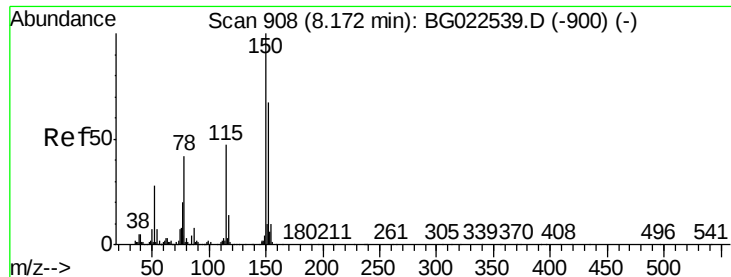
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

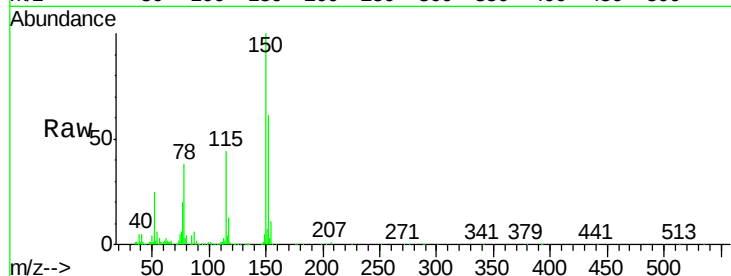
Tot Ion:152 Resp: 123960

Ion Ratio Lower Upper

152 100

150 163.1 144.7 217.1

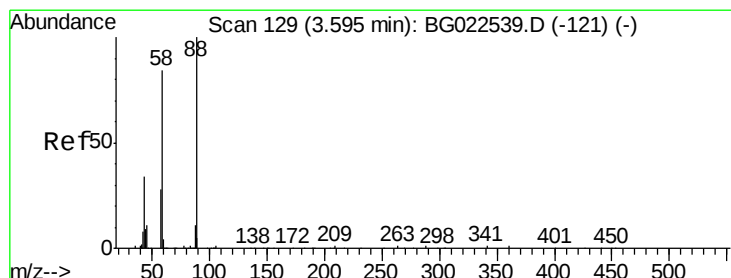
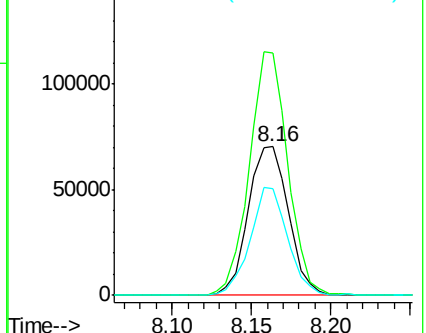
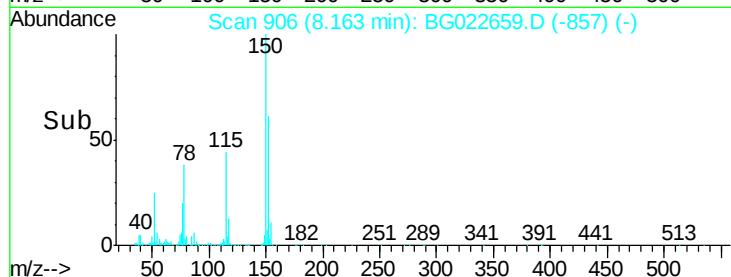
115 71.6 64.0 96.0



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



#2

1,4-Dioxane

Concen: 1.28 ng

RT: 3.58 min Scan# 126

Delta R.T. -0.02 min

Lab File: BG022659.D

Acq: 28 Jun 2016 1:58

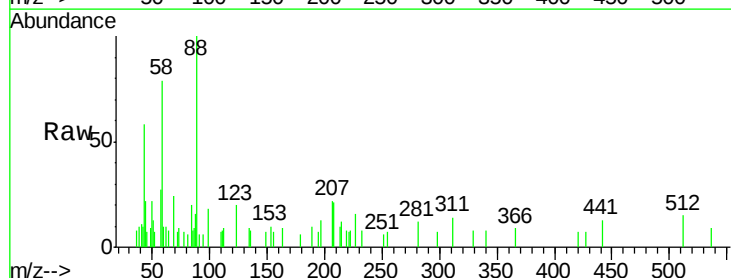
Tgt Ion: 88 Resp: 4007

Ion Ratio Lower Upper

88 100

58 75.3 60.4 90.6

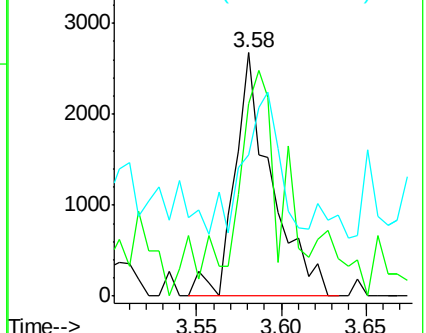
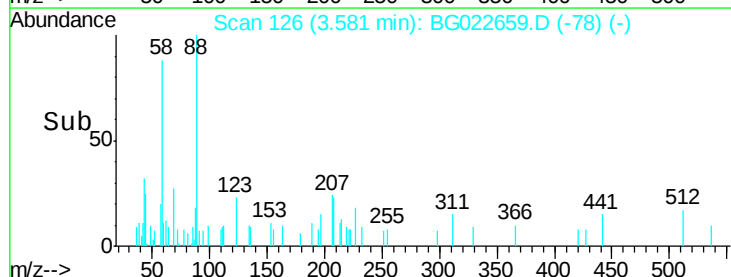
43 56.1 31.1 46.7#

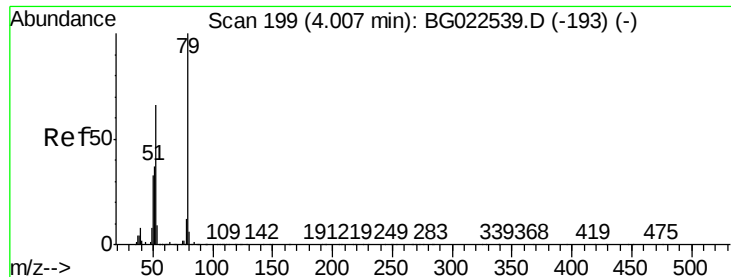


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC

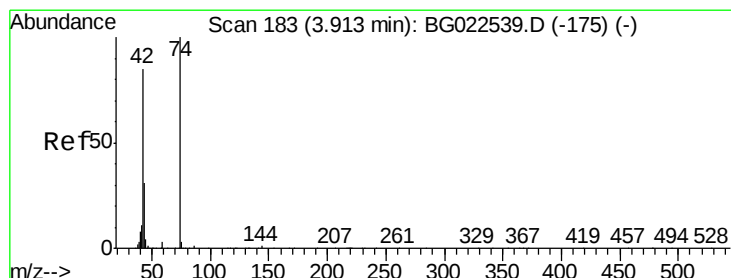
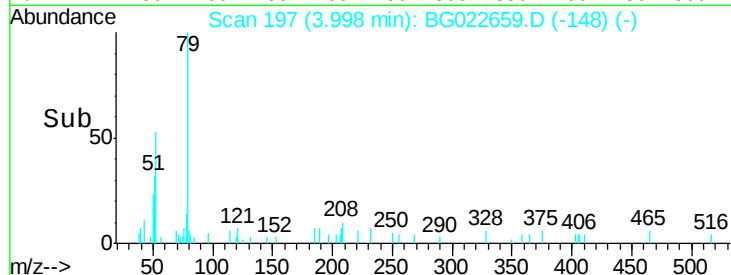
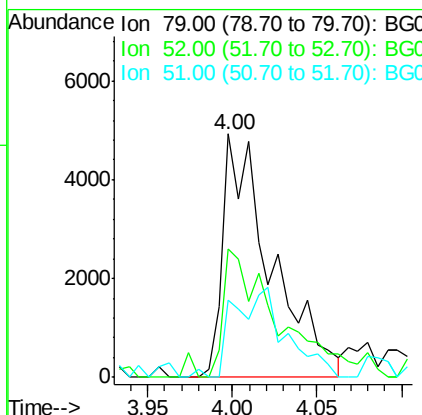
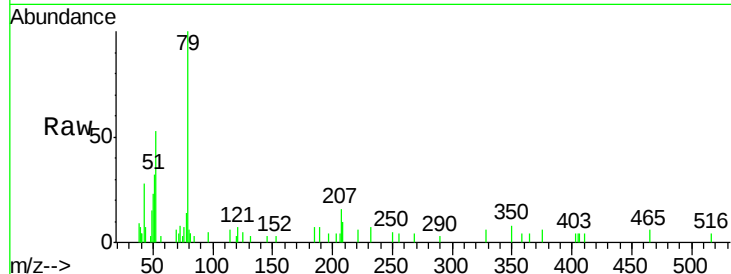




#3
 Pvridine
 Concen: 1.11 ng
 RT: 4.00 min Scan# 197
 Delta R.T. -0.01 min
 Lab File: BG022659.D
 Acq: 28 Jun 2016 1:58

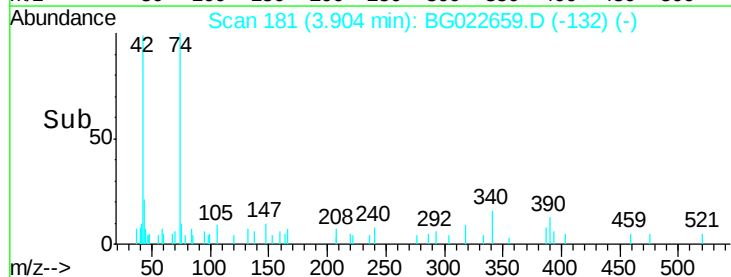
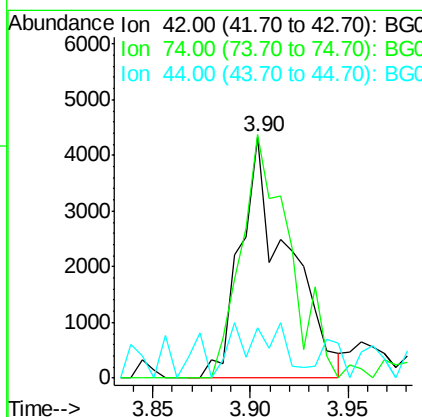
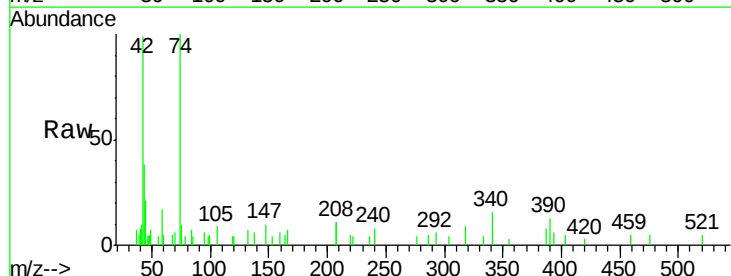
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

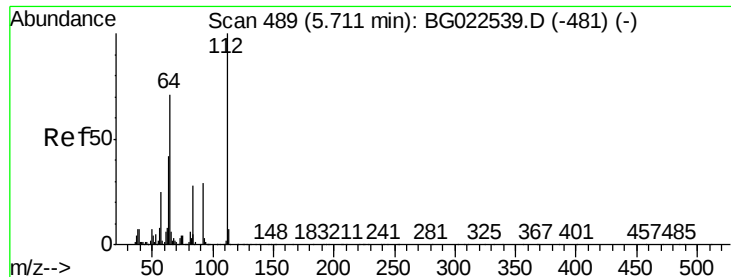
Tot Ion: 79 Resp: 9757
 Ion Ratio Lower Upper
 79 100
 52 52.9 51.8 77.8
 51 31.6 32.7 49.1#



#4
 n-Nitrosodimethylamine
 Concen: 1.45 ng
 RT: 3.90 min Scan# 181
 Delta R.T. -0.01 min
 Lab File: BG022659.D
 Acq: 28 Jun 2016 1:58

Tgt Ion: 42 Resp: 7283
 Ion Ratio Lower Upper
 42 100
 74 100.8 100.6 150.8
 44 20.8 4.5 6.7#





#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

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

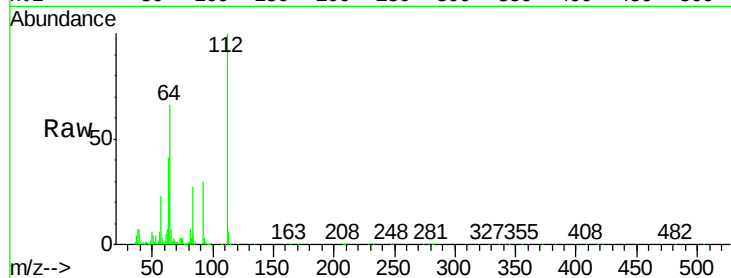
Tot Ion:112 Resp: 878992

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): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

600000

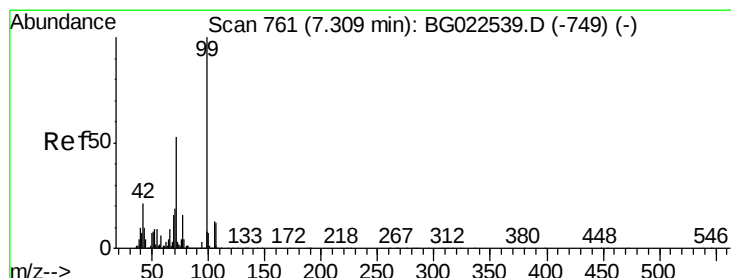
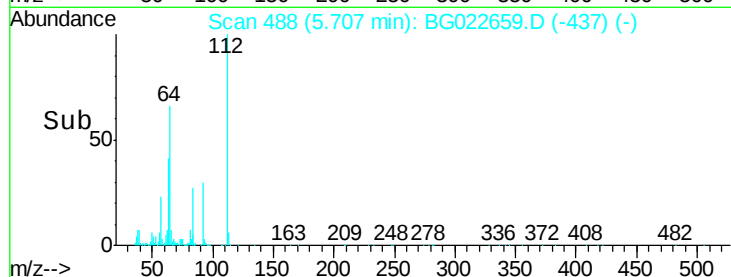
400000

200000

0

5.60 5.70 5.80

Time-->



#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

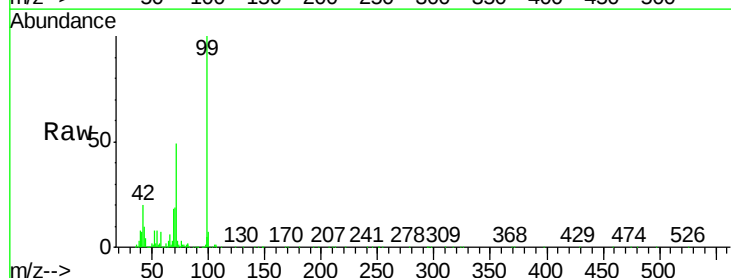
Tgt Ion: 99 Resp: 1295287

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

1000000

800000

600000

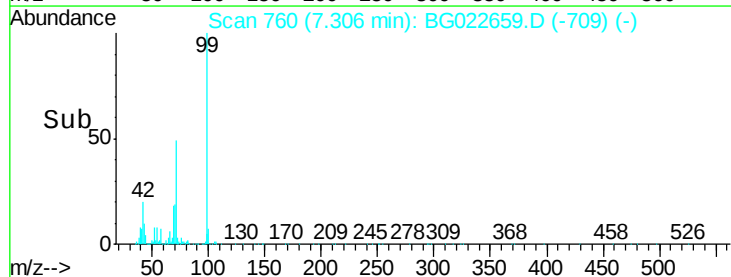
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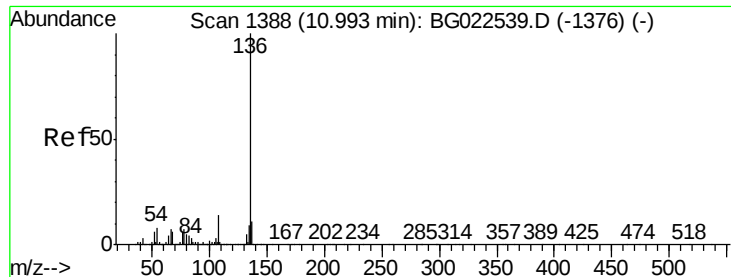
200000

0

7.20 7.30 7.40

Time-->

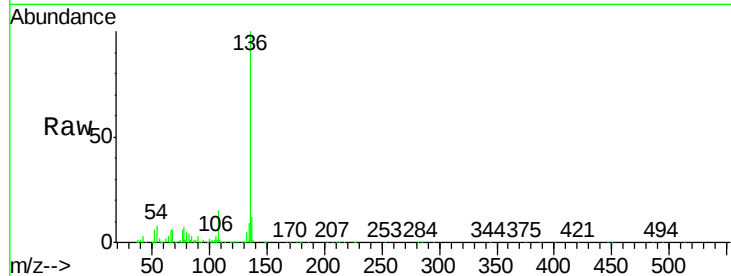




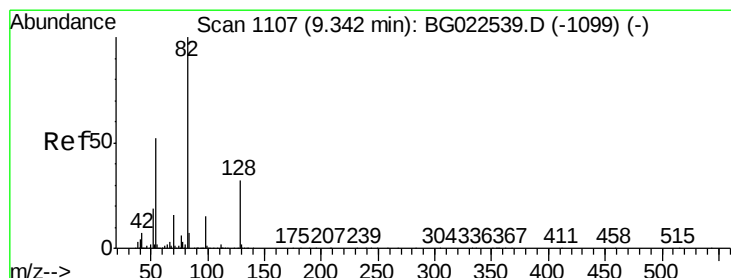
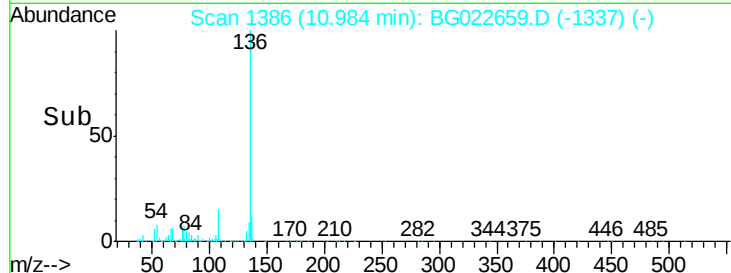
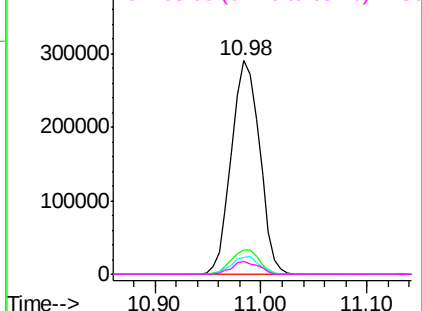
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.98 min Scan# 1386
Delta R.T. -0.01 min
Lab File: BG022659.D
Acq: 28 Jun 2016 1:58

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Tot 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

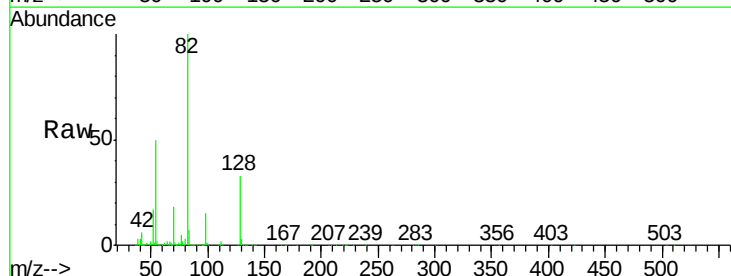


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

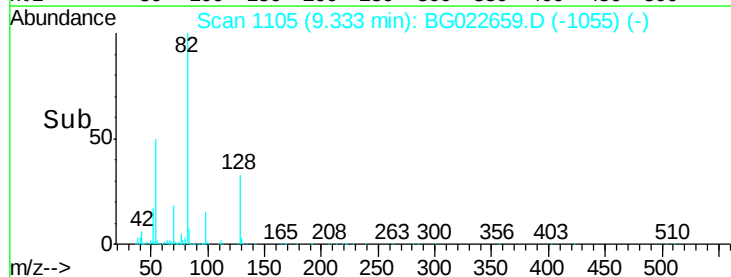
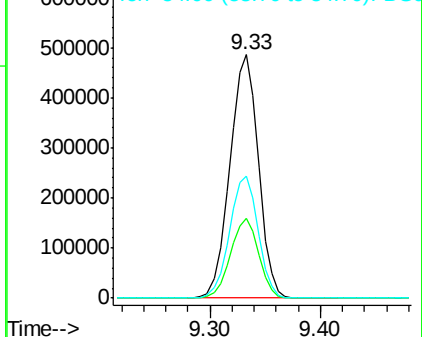


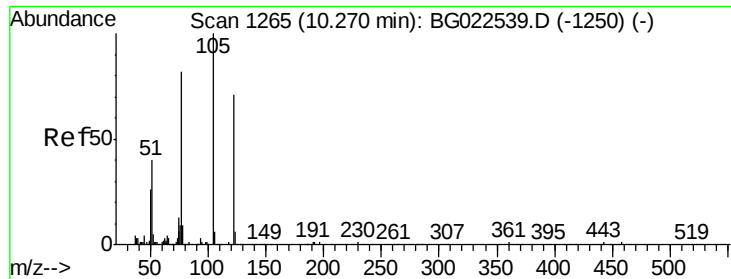
#23
Nitrobenzene-d5
Concen: 69.21 ng
RT: 9.33 min Scan# 1105
Delta R.T. -0.00 min
Lab File: BG022659.D
Acq: 28 Jun 2016 1:58

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

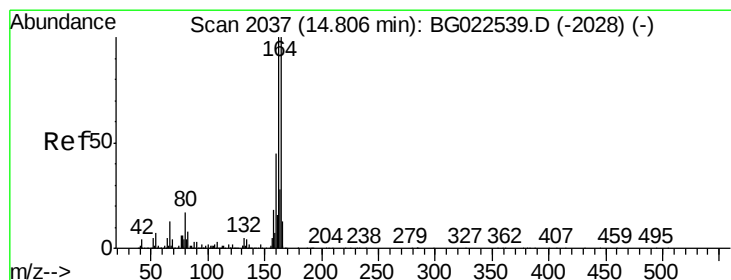
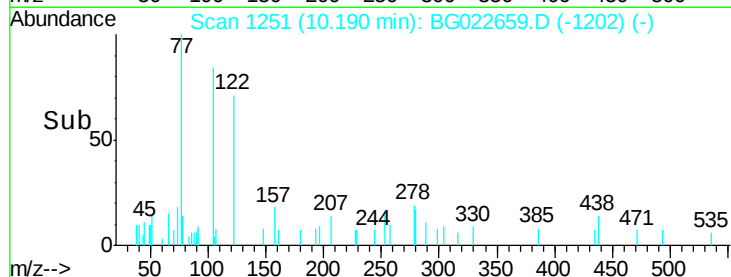
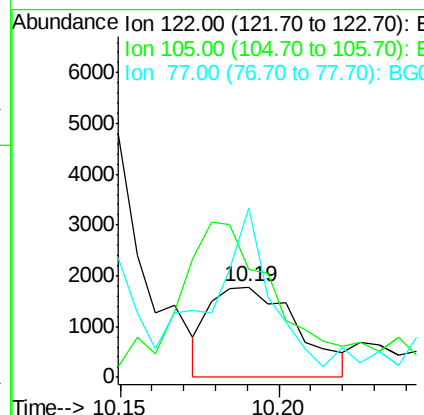
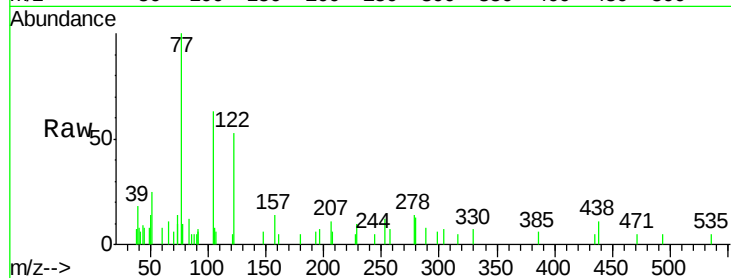




#32
Benzoic acid
Concen: 5.59 ng
RT: 10.19 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BG022659.D
Acq: 28 Jun 2016 1:58

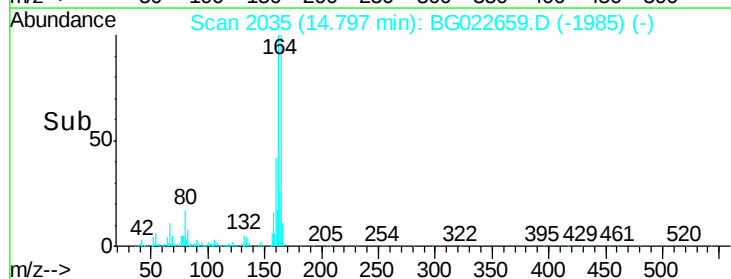
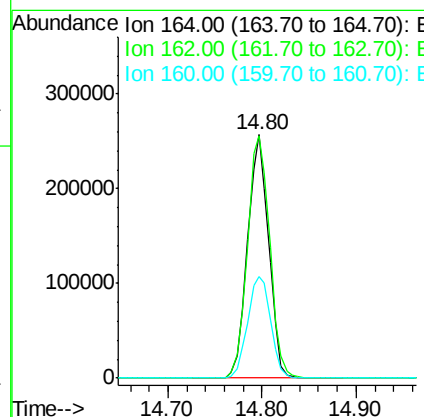
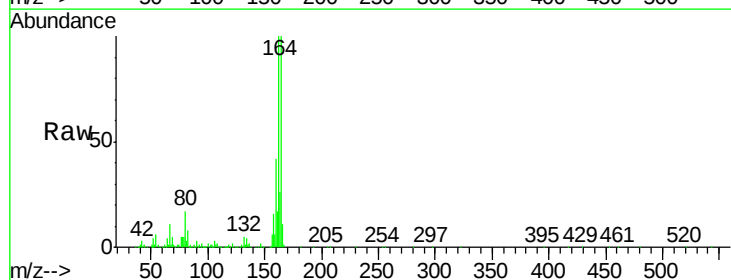
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ClientSampleId :
LOD-SOIL2016-01

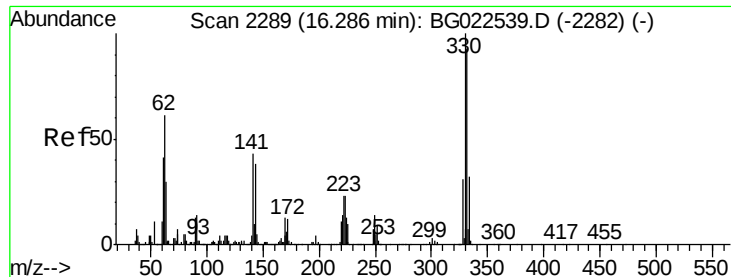
Tot Ion:122 Resp: 3403
Ion Ratio Lower Upper
122 100
105 119.0 117.2 157.2
77 187.4 109.2 149.2#



#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

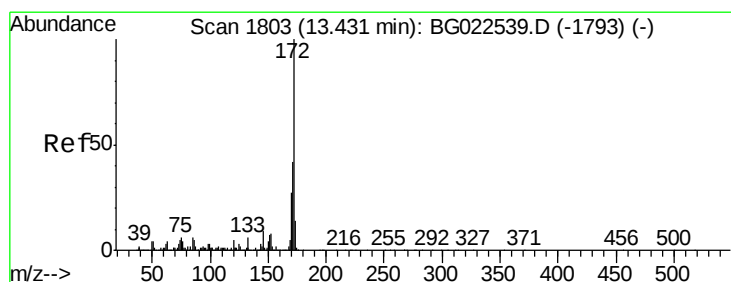
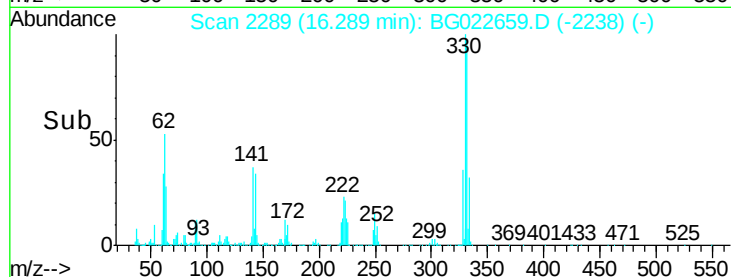
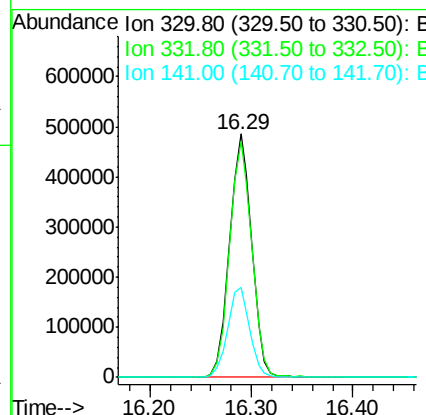
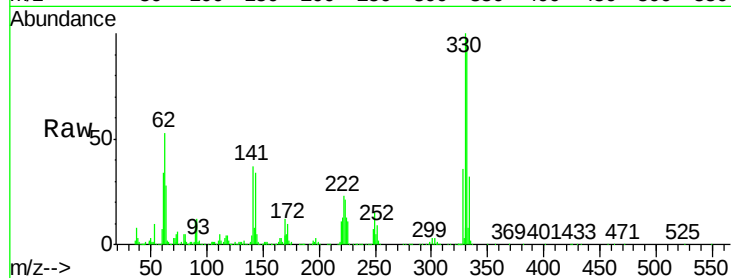




#41
2,4,6-Tribromophenol
Concen: 117.60 ng
RT: 16.29 min Scan# 2289
Delta R.T. 0.00 min
Lab File: BG022659.D
Acq: 28 Jun 2016 1:58

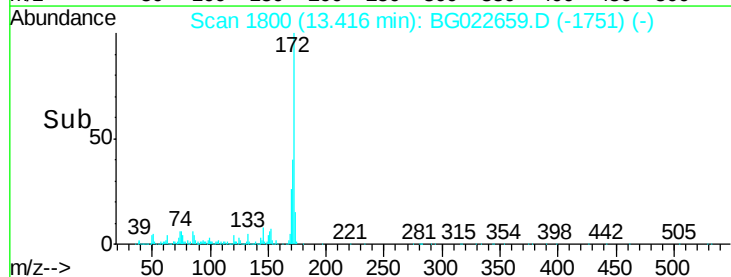
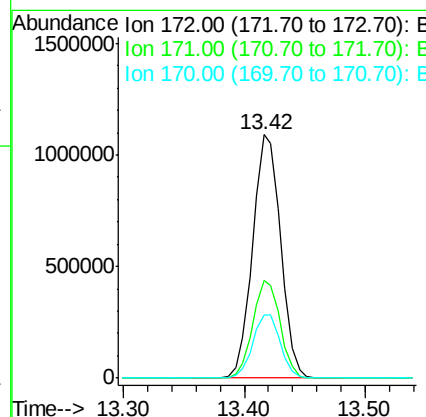
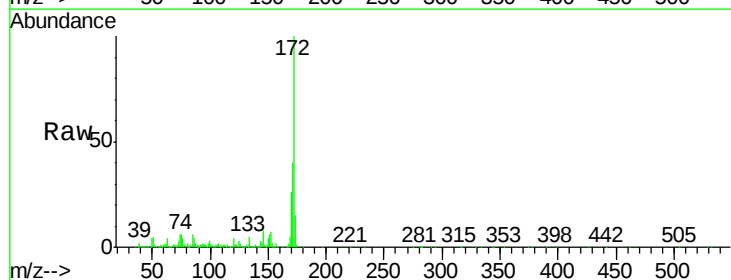
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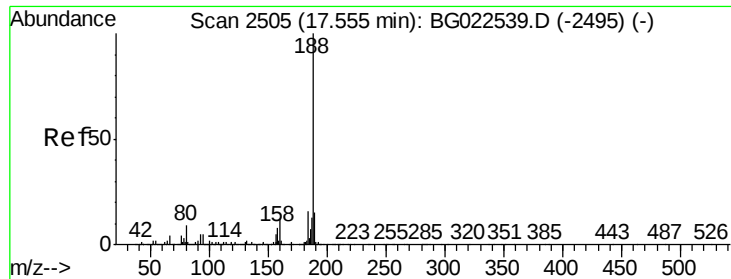
Tot Ion:330 Resp: 736003
Ion Ratio Lower Upper
330 100
332 97.4 77.4 116.2
141 36.7 31.7 47.5



#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

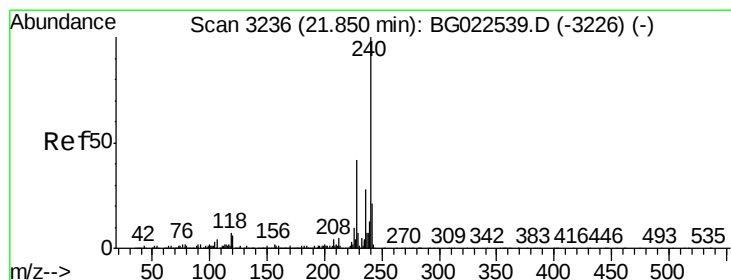
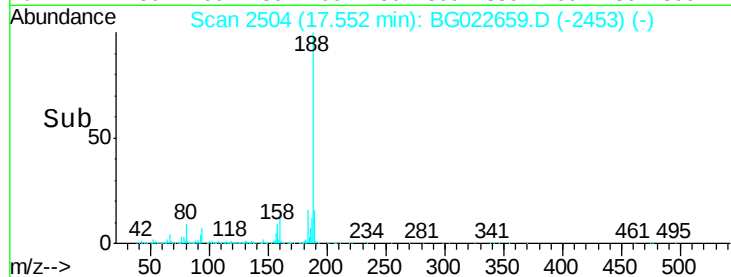
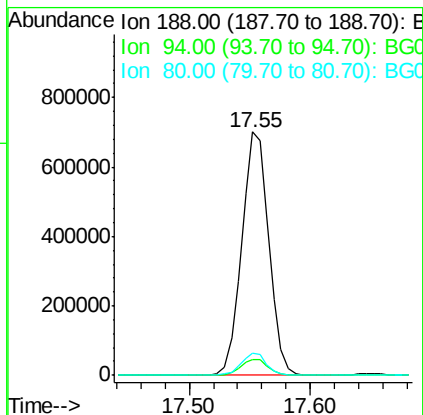
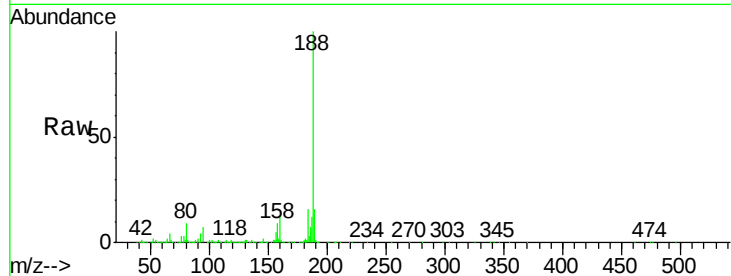




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.55 min Scan# 2504
Delta R.T. 0.00 min
Lab File: BG022659.D
Acq: 28 Jun 2016 1:58

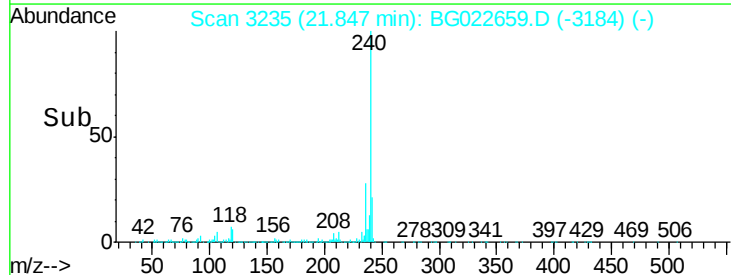
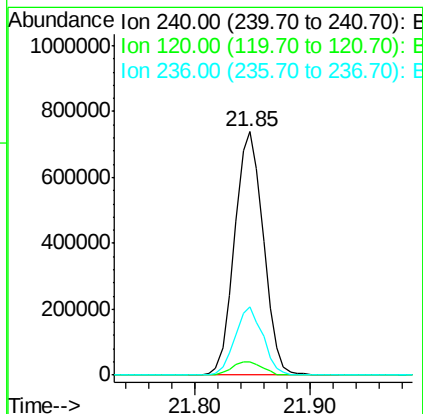
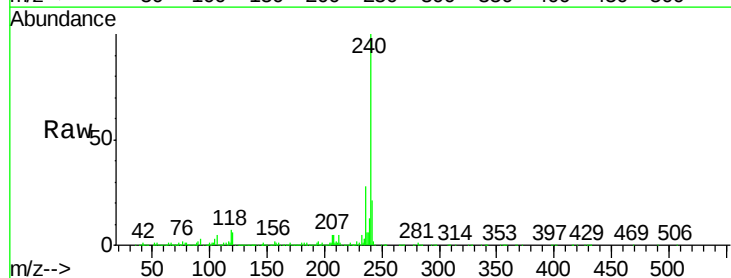
Instrument :
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LOD-SOIL2016-01

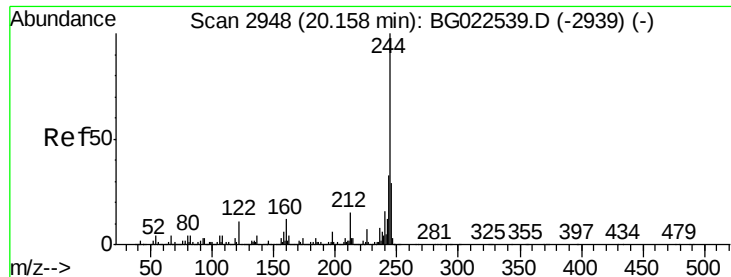
Tot Ion:188 Resp: 1092160
Ion Ratio Lower Upper
188 100
94 6.5 5.2 7.8
80 8.9 7.2 10.8



#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 :

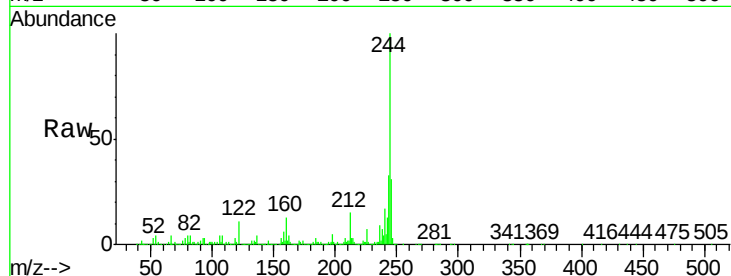
BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tot Ion:244 Resp: 2952002

Ion	Ratio	Lower	Upper
244	100		
212	14.9	10.8	16.2
122	10.9	8.0	12.0

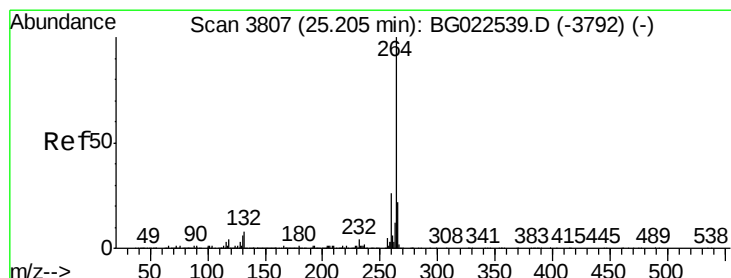
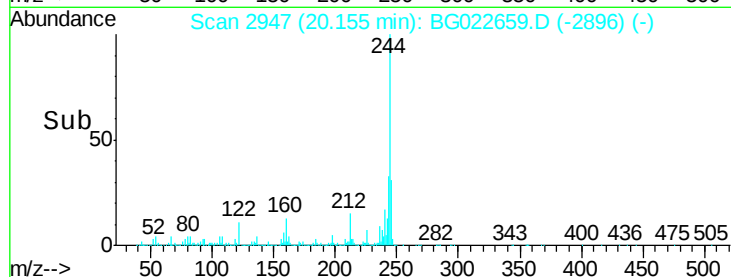
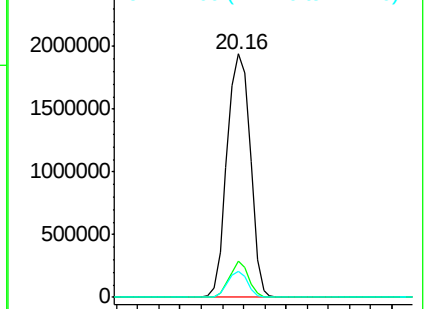


Abundance

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

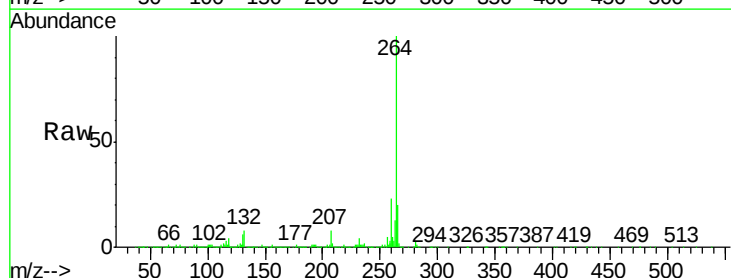
Delta R.T. 0.00 min

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

