

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
 Data File : BG024096.D
 Acq On : 23 Sep 2016 20:42
 Operator : UM/SJ
 Sample : H4818-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Quant Time: Sep 24 00:25:17 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 23 15:35:28 2016
 Response via : Initial Calibration

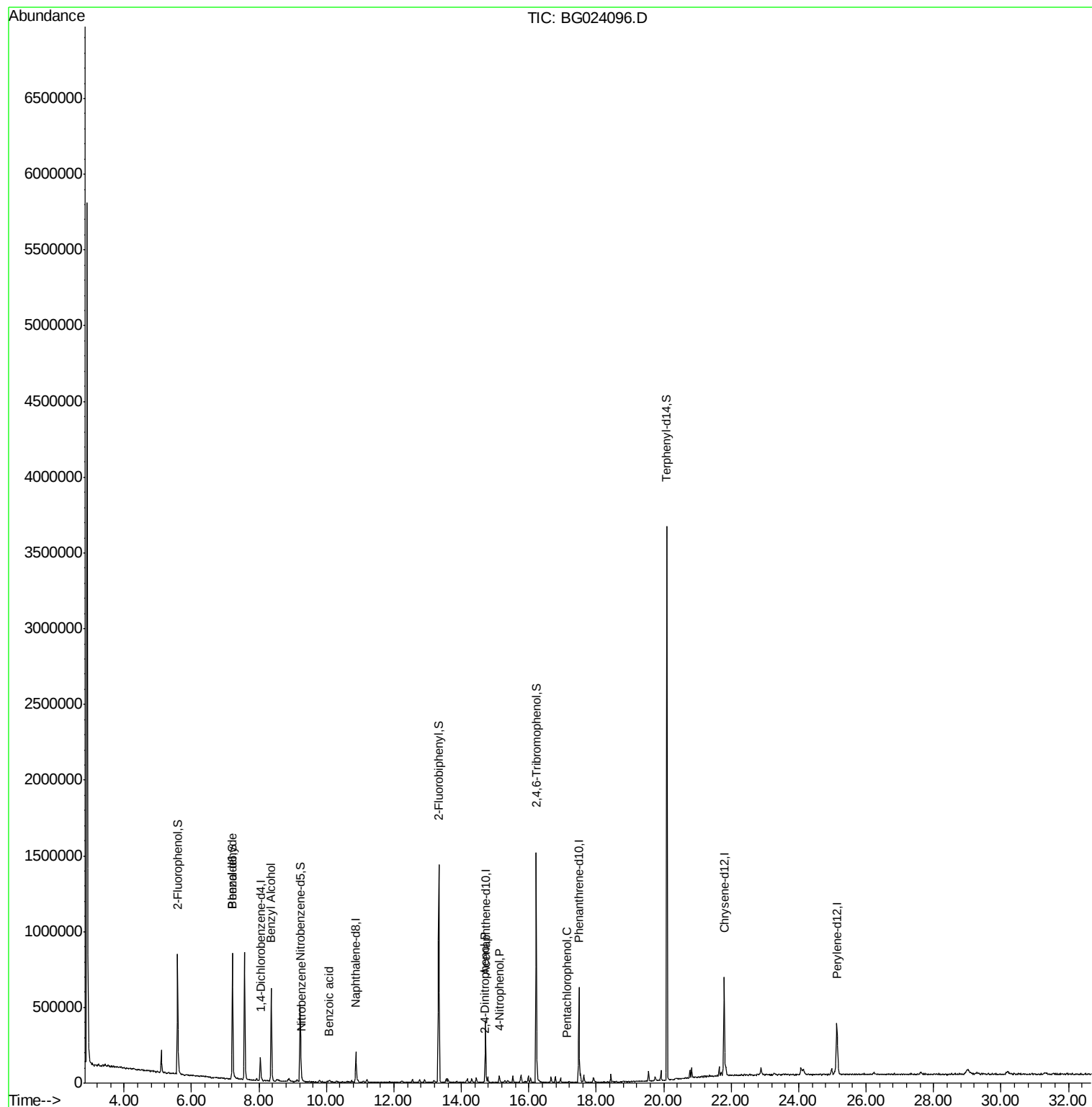
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	39124	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	159620	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	142393	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	361080	20.00	ng	0.00
75) Chrysene-d12	21.79	240	419878	20.00	ng	0.00
86) Perylene-d12	25.13	264	400166	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	320414	141.88	ng	0.00
7) Phenol-d6	7.21	99	468192	123.21	ng	0.00
23) Nitrobenzene-d5	9.22	82	338818	83.66	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	262960	128.48	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	704056	83.11	ng	0.00
78) Terphenyl-d14	20.09	244	1513976	73.83	ng	0.00
Target Compounds						
9) Benzaldehyde	7.21	77	6088	2.94	ng	# 57
15) Benzyl Alcohol	8.37	79	9663	2.63	ng	# 80
24) Nitrobenzene	9.26	77	8963	2.06	ng	# 92
32) Benzoic acid	10.09	122	4221	4.43	ng	# 16
53) 2,4-Dinitrophenol	14.69	184	56	2.50	ng	# 16
55) 4-Nitrophenol	15.13	139	9041	9.98	ng	# 1
69) Pentachlorophenol	17.13	266	71	3.59	ng	# 18

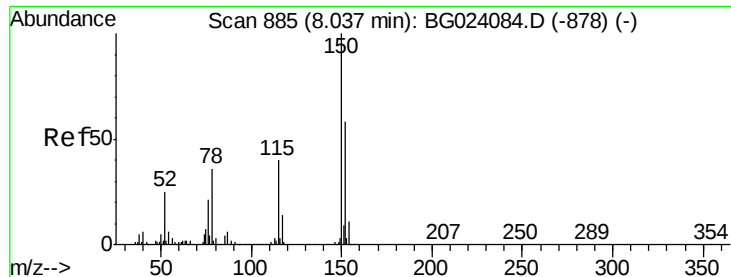
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
Data File : BG024096.D
Acq On : 23 Sep 2016 20:42
Operator : UM/SJ
Sample : H4818-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01-QT4

Quant Time: Sep 24 00:25:17 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 23 15:35:28 2016
Response via : Initial Calibration



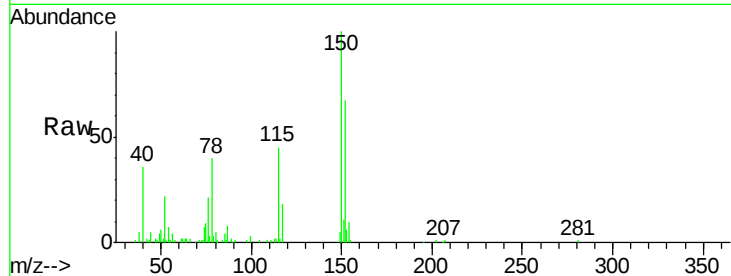


#1

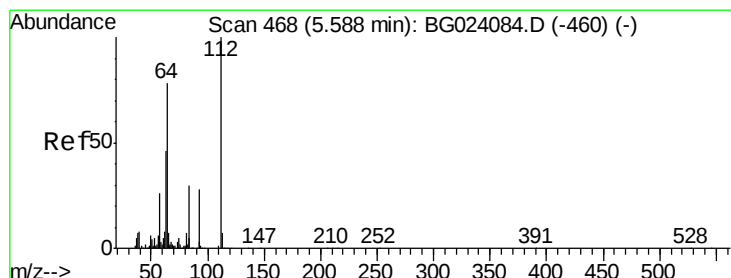
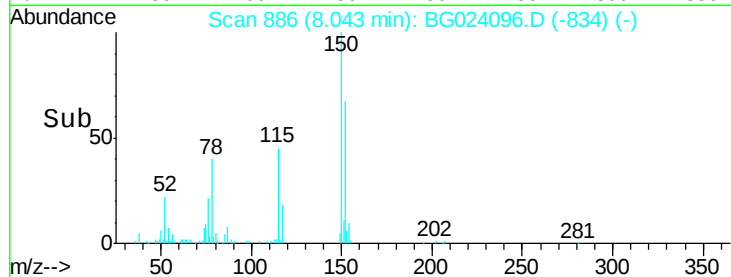
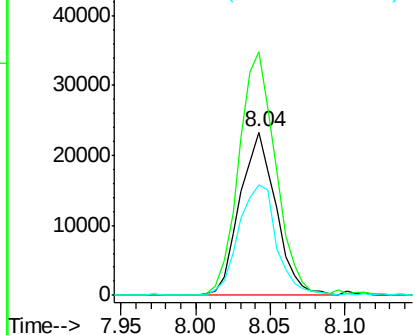
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 886
Delta R.T. 0.01 min
Lab File: BG024096.D
Acq: 23 Sep 2016 20:42

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion:152 Resp: 39124
Ion Ratio Lower Upper
152 100
150 149.3 144.7 217.1
115 67.7 64.0 96.0



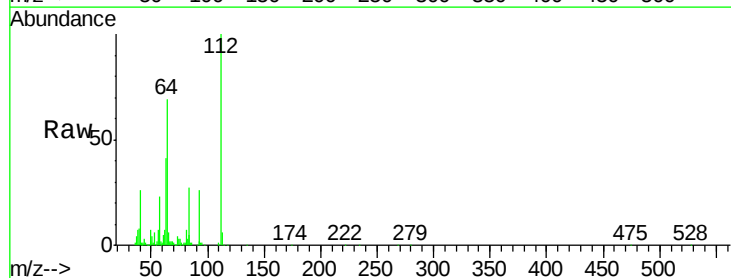
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



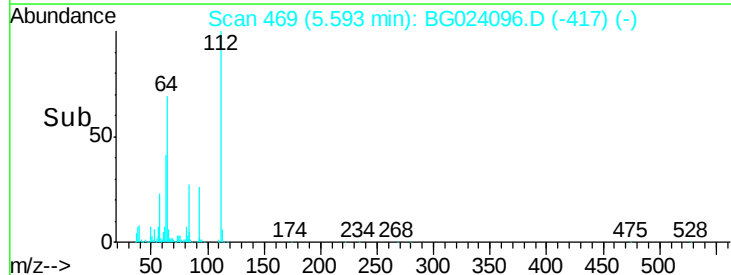
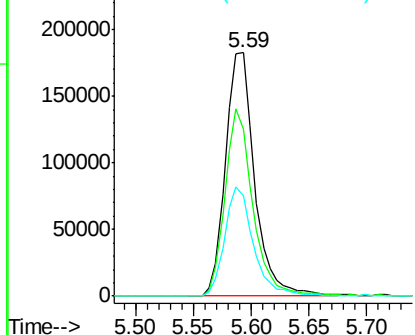
#5

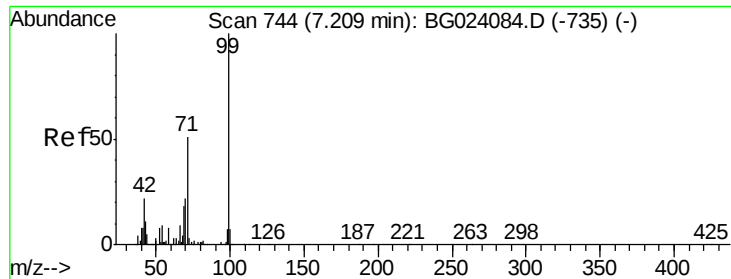
2-Fluorophenol
Concen: 141.88 ng
RT: 5.59 min Scan# 469
Delta R.T. 0.01 min
Lab File: BG024096.D
Acq: 23 Sep 2016 20:42

Tgt Ion:112 Resp: 320414
Ion Ratio Lower Upper
112 100
64 68.6 59.0 88.4
63 40.9 37.8 56.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 123.21 ng

RT: 7.21 min Scan# 744

Delta R.T. -0.00 min

Lab File: BG024096.D

Acq: 23 Sep 2016 20:42

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

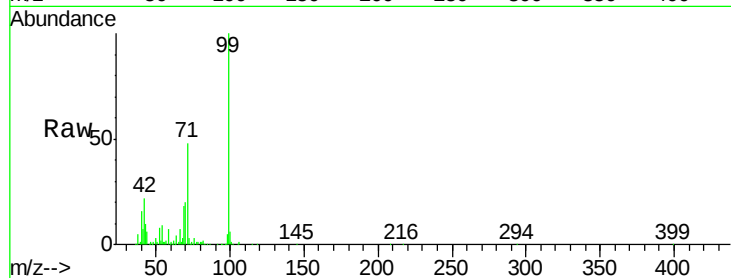
Tgt Ion: 99 Resp: 468192

Ion Ratio Lower Upper

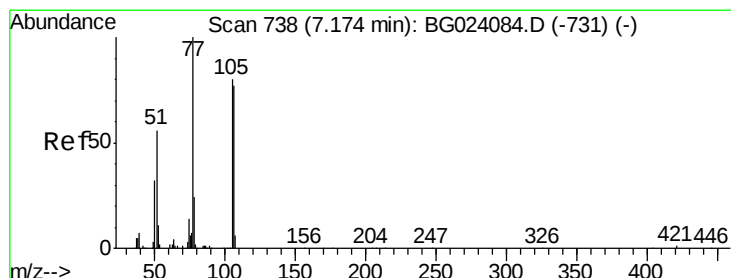
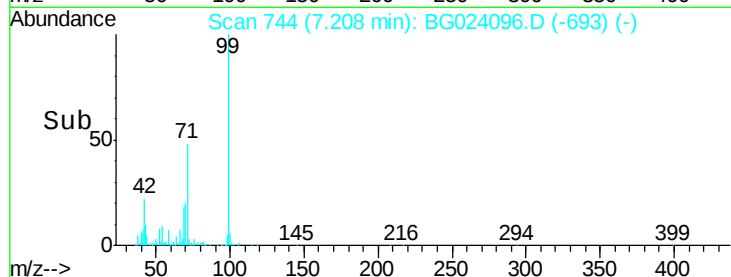
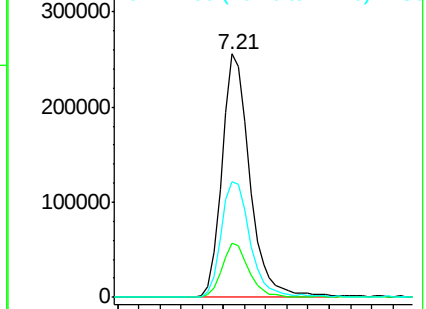
99 100

42 22.1 17.8 26.6

71 47.7 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: 2.94 ng

RT: 7.21 min Scan# 744

Delta R.T. 0.03 min

Lab File: BG024096.D

Acq: 23 Sep 2016 20:42

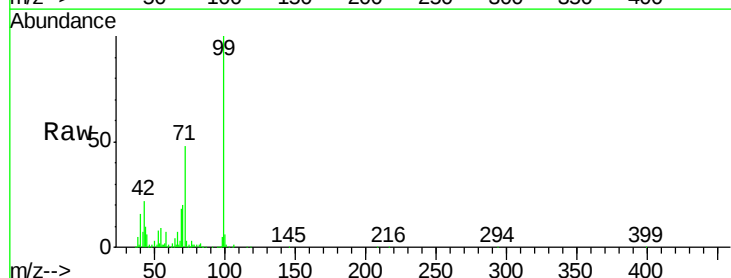
Tgt Ion: 77 Resp: 6088

Ion Ratio Lower Upper

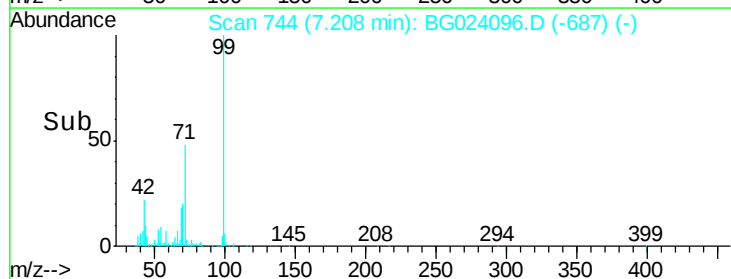
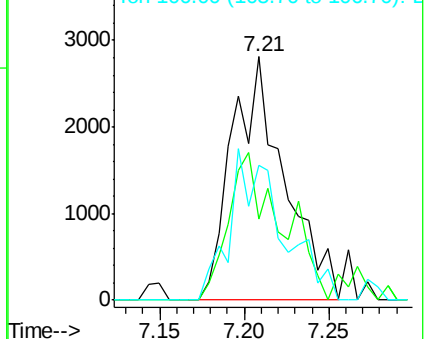
77 100

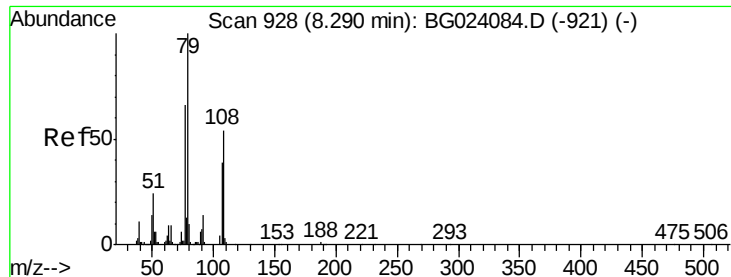
105 33.3 58.7 98.7#

106 55.6 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





#15

Benzyl Alcohol

Concen: 2.63 ng

RT: 8.37 min Scan# 942

Delta R.T. 0.08 min

Lab File: BG024096.D

Acq: 23 Sep 2016 20:42

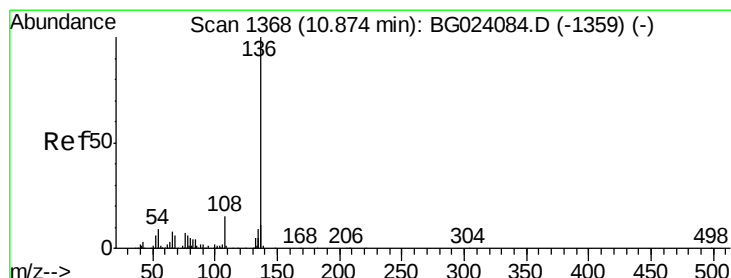
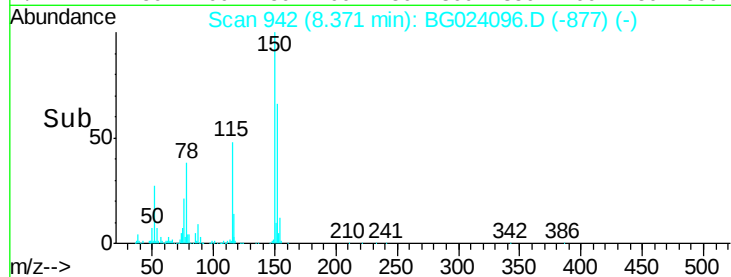
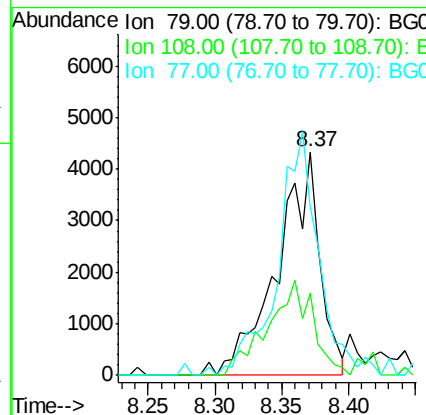
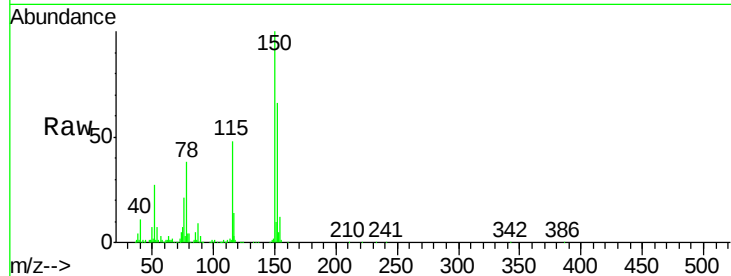
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion:	79	Resp:	9663
Ion Ratio	Lower	Upper	
79	100		
108	37.0	46.5	69.7#
77	75.3	52.3	78.5



#21

Naphthalene-d8

Concen: 20.00 ng

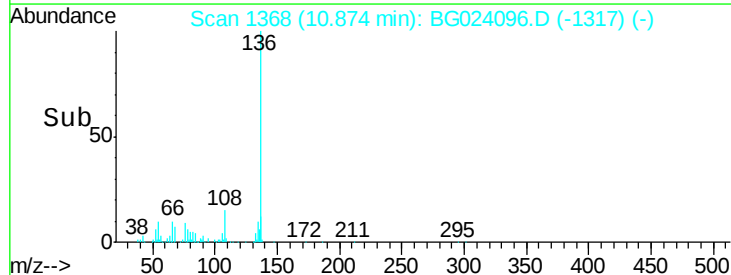
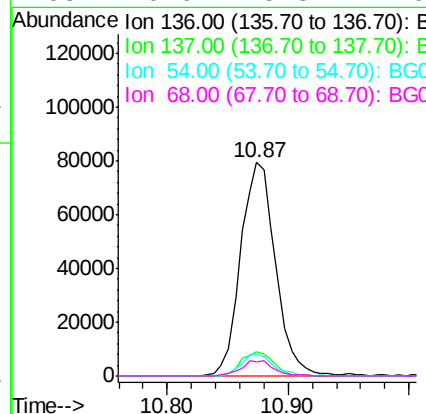
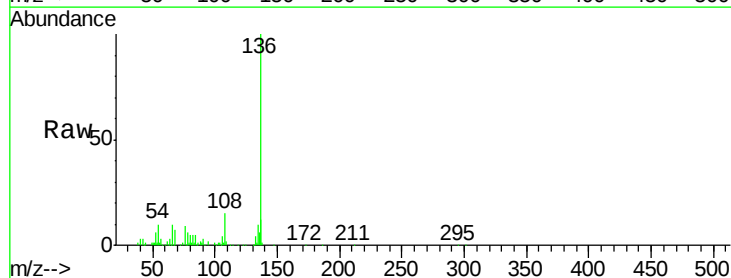
RT: 10.87 min Scan# 1368

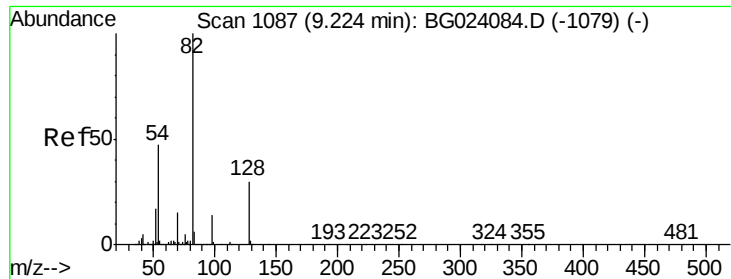
Delta R.T. -0.00 min

Lab File: BG024096.D

Acq: 23 Sep 2016 20:42

Tgt Ion:	136	Resp:	159620
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.6	14.4
54	10.3	7.3	10.9
68	6.6	5.3	7.9

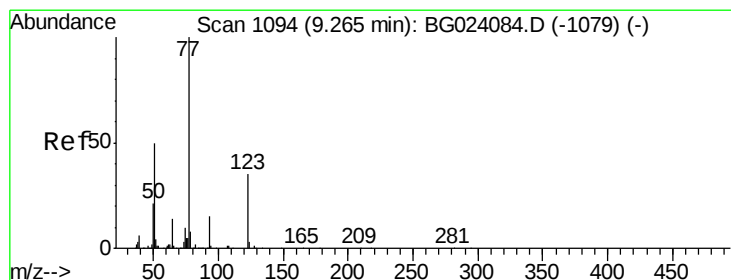
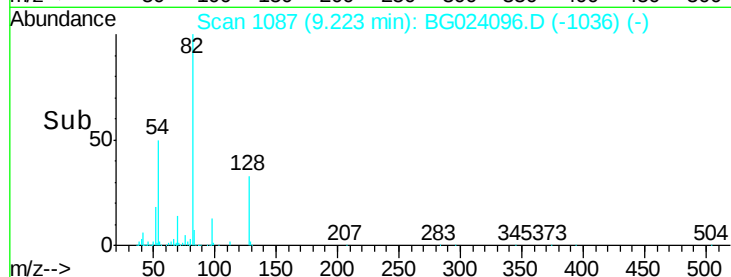
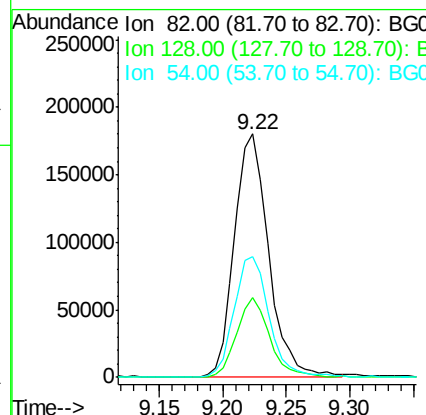
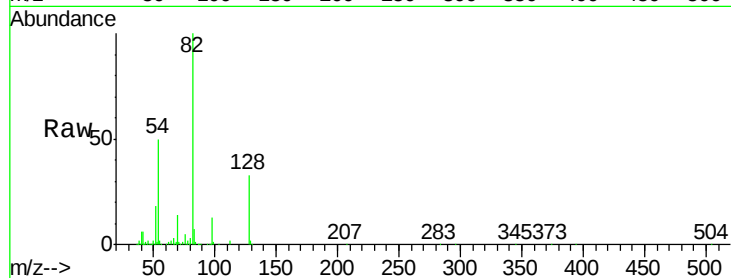




#23
 Nitrobenzene-d5
 Concen: 83.66 ng
 RT: 9.22 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: BG024096.D
 Acq: 23 Sep 2016 20:42

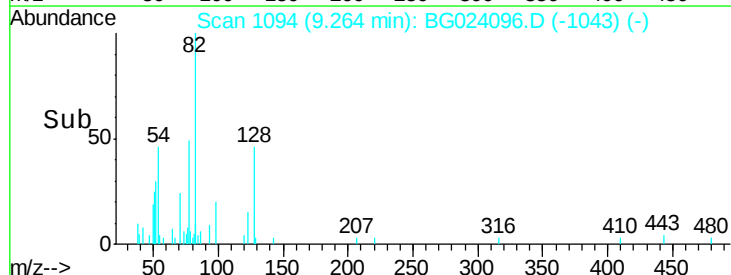
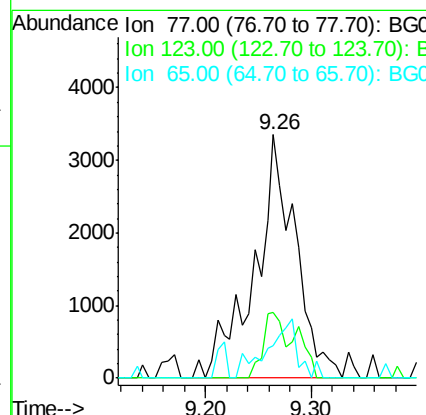
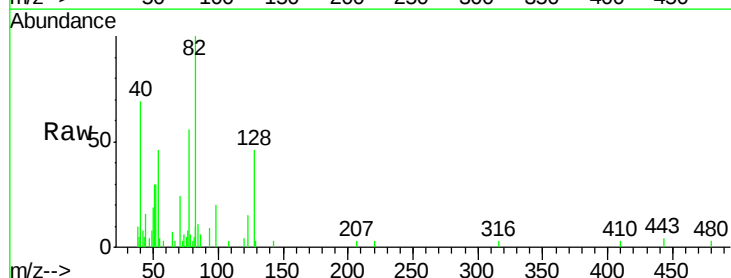
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01-QT4

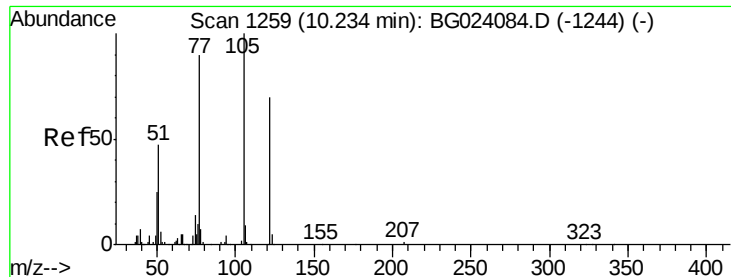
Tgt Ion	Ratio	Lower	Upper
82	100		
128	32.8	24.4	36.6
54	49.8	41.4	62.0



#24
 Nitrobenzene
 Concen: 2.06 ng
 RT: 9.26 min Scan# 1094
 Delta R.T. -0.00 min
 Lab File: BG024096.D
 Acq: 23 Sep 2016 20:42

Tgt Ion	Ratio	Lower	Upper
77	100		
123	26.9	25.0	37.6
65	13.3	13.4	20.0

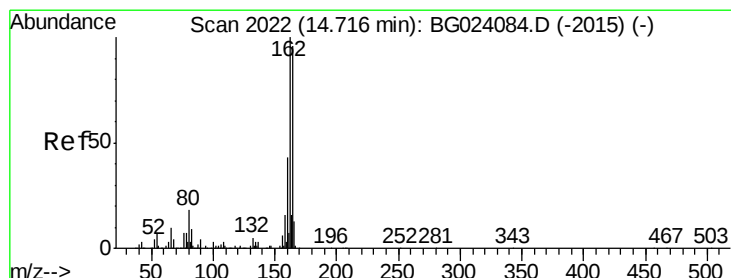
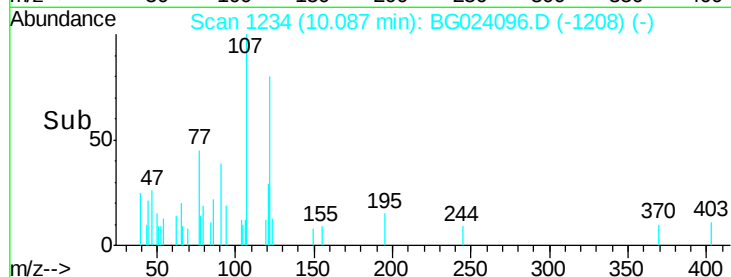
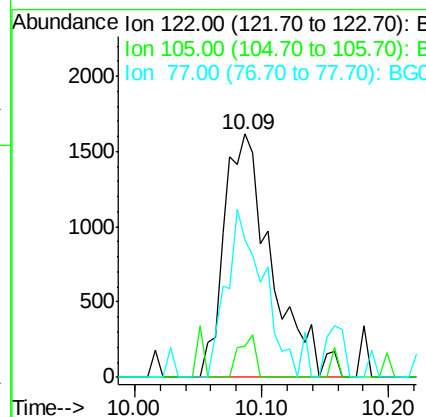
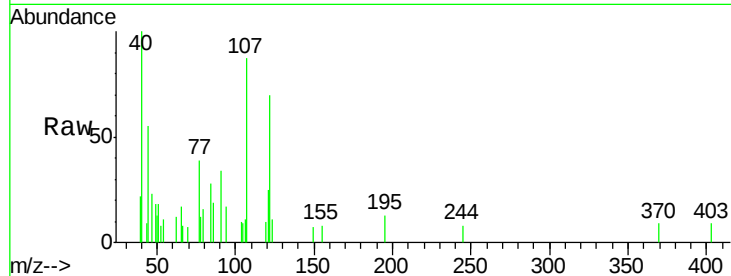




#32
Benzoic acid
Concen: 4.43 ng
RT: 10.09 min Scan# 1234
Delta R.T. -0.15 min
Lab File: BG024096.D
Acq: 23 Sep 2016 20:42

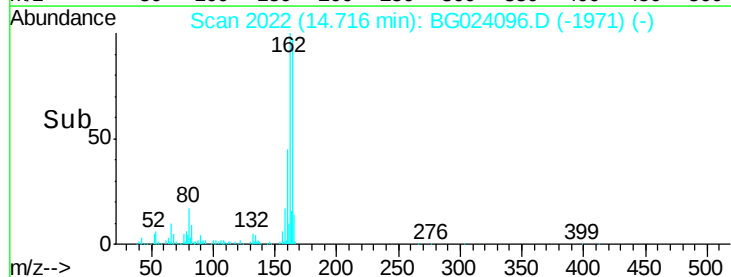
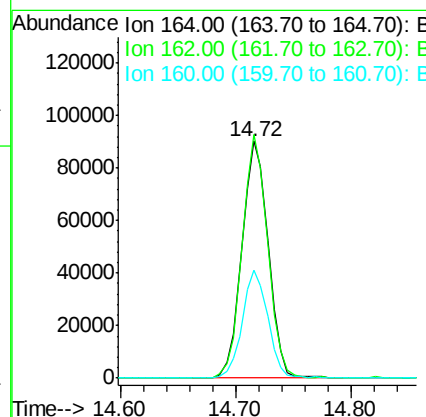
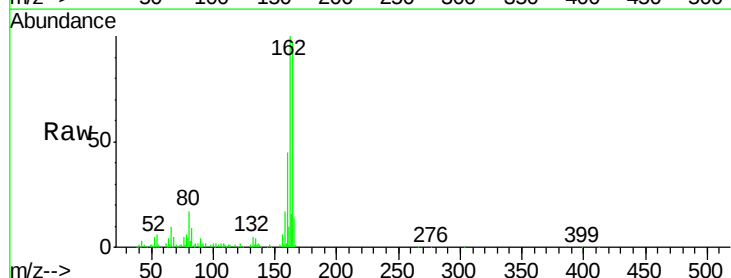
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01-QT4

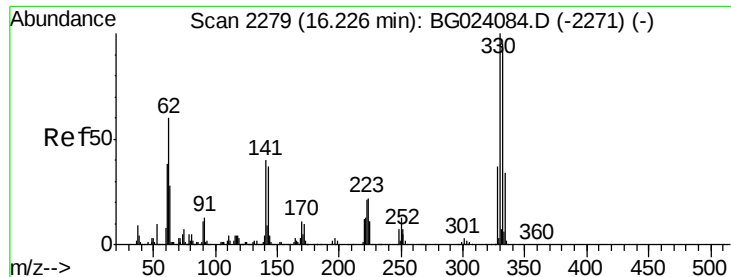
Tgt Ion:122 Resp: 4221
Ion Ratio Lower Upper
122 100
105 12.9 117.2 157.2#
77 56.3 109.2 149.2#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.72 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BG024096.D
Acq: 23 Sep 2016 20:42

Tgt Ion:164 Resp: 142393
Ion Ratio Lower Upper
164 100
162 102.7 87.7 131.5
160 45.8 37.2 55.8

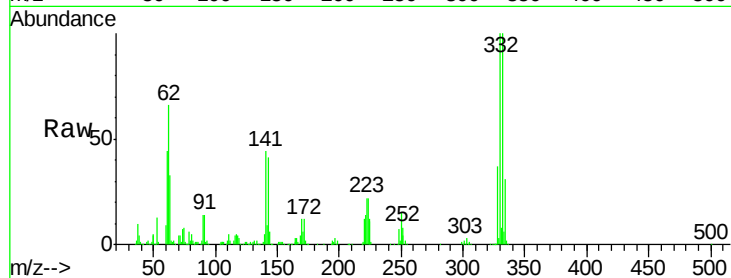




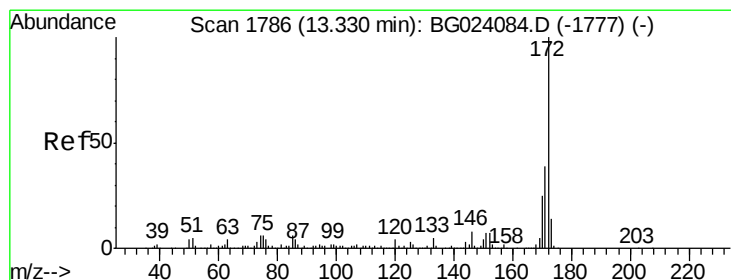
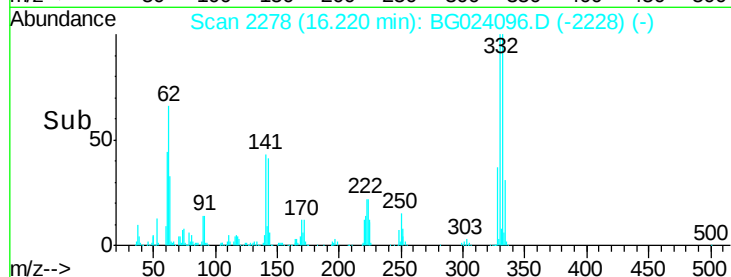
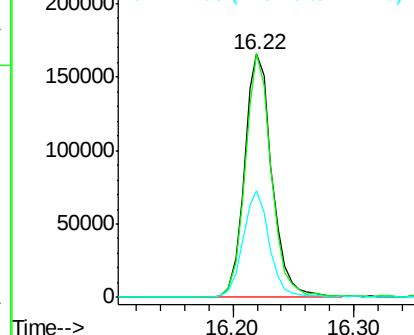
#41
 2,4,6-Tribromophenol
 Concen: 128.48 ng
 RT: 16.22 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BG024096.D
 Acq: 23 Sep 2016 20:42

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Tgt Ion:330 Resp: 262960
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.4 116.2
 141 41.9 31.7 47.5

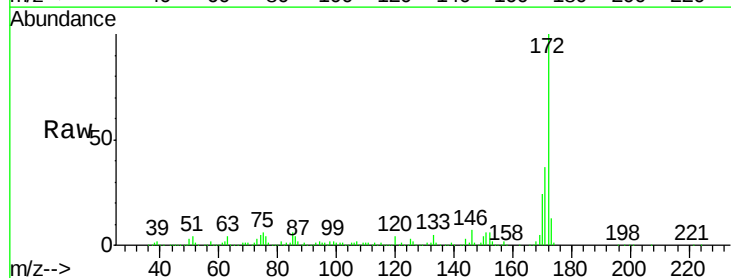


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

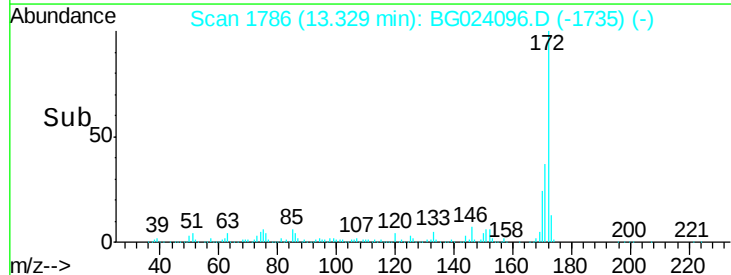
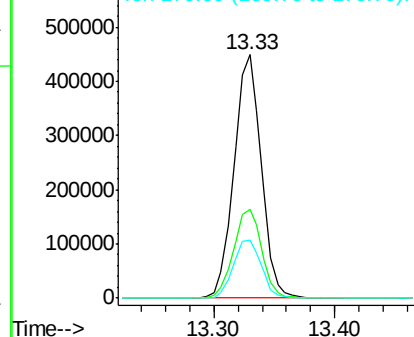


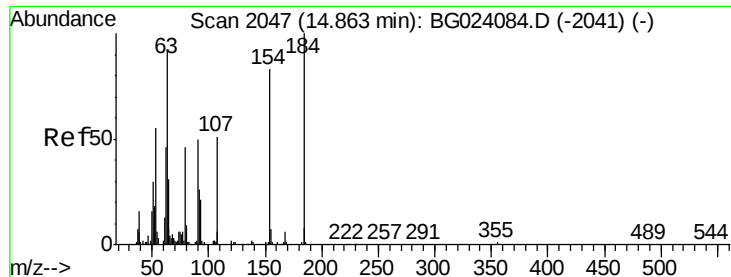
#44
 2-Fluorobiphenyl
 Concen: 83.11 ng
 RT: 13.33 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: BG024096.D
 Acq: 23 Sep 2016 20:42

Tgt Ion:172 Resp: 704056
 Ion Ratio Lower Upper
 172 100
 171 36.6 31.6 47.4
 170 24.0 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

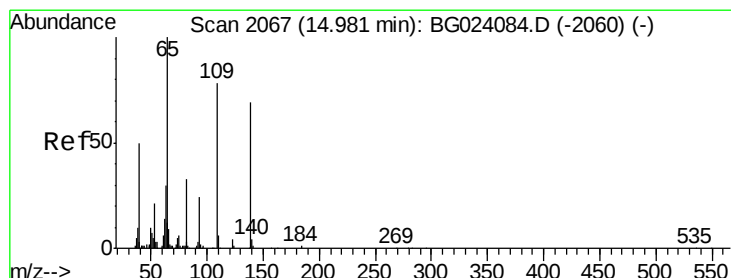
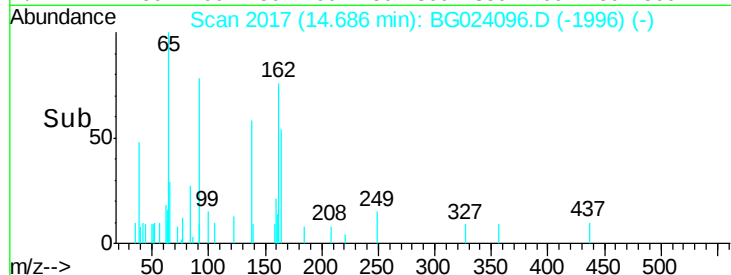
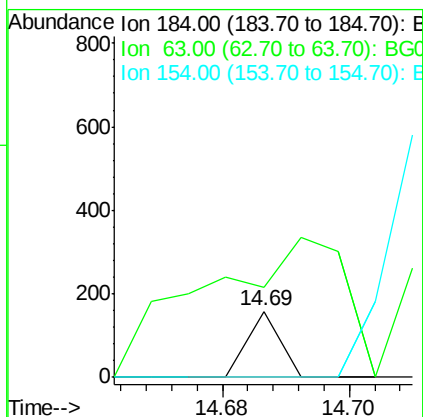
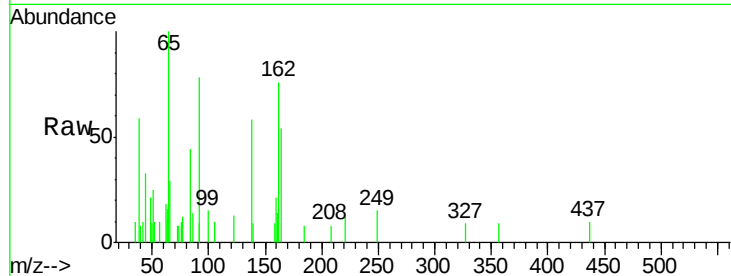




#53
 2,4-Dinitrophenol
 Concen: 2.50 ng
 RT: 14.69 min Scan# 2017
 Delta R.T. -0.18 min
 Lab File: BG024096.D
 Acq: 23 Sep 2016 20:42

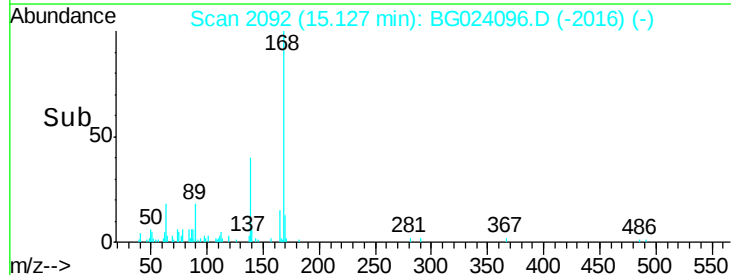
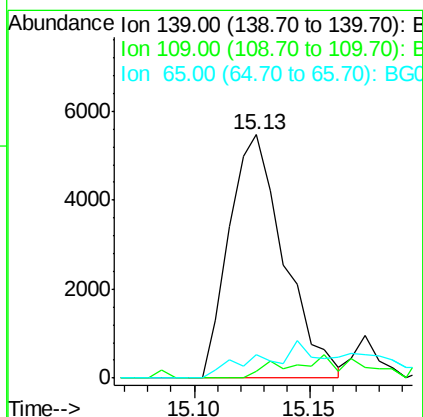
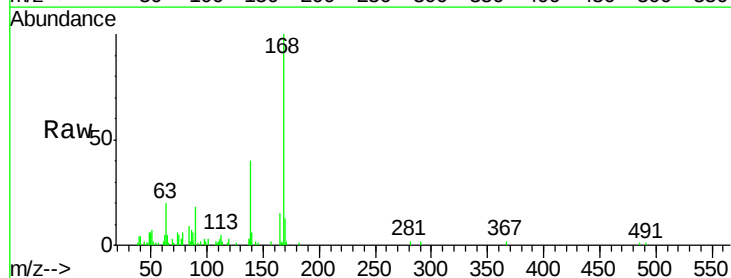
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01-QT4

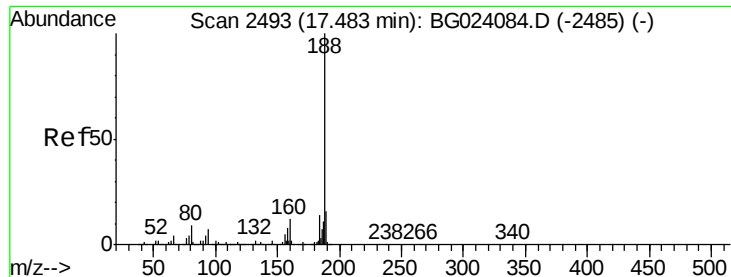
Tgt Ion:184 Resp: 56
 Ion Ratio Lower Upper
 184 100
 63 137.3 59.6 89.4#
 154 0.0 67.4 101.0#



#55
 4-Nitrophenol
 Concen: 9.98 ng
 RT: 15.13 min Scan# 2092
 Delta R.T. 0.15 min
 Lab File: BG024096.D
 Acq: 23 Sep 2016 20:42

Tgt Ion:139 Resp: 9041
 Ion Ratio Lower Upper
 139 100
 109 3.0 103.0 143.0#
 65 9.8 112.7 152.7#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.48 min Scan# 2493

Delta R.T. -0.00 min

Lab File: BG024096.D

Acq: 23 Sep 2016 20:42

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01-QT4

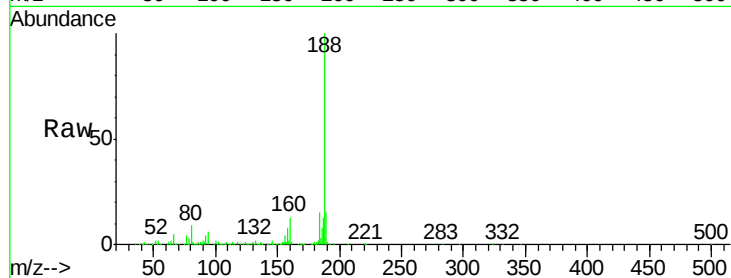
Tgt Ion:188 Resp: 361080

Ion Ratio Lower Upper

188 100

94 6.4 5.2 7.8

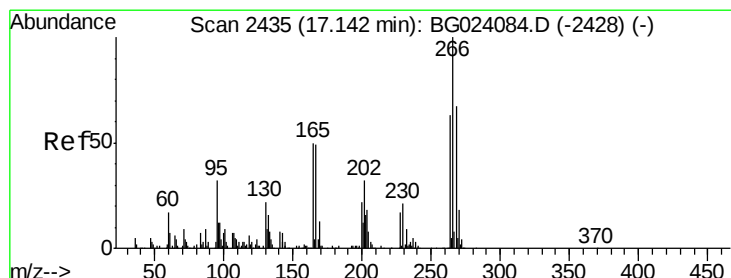
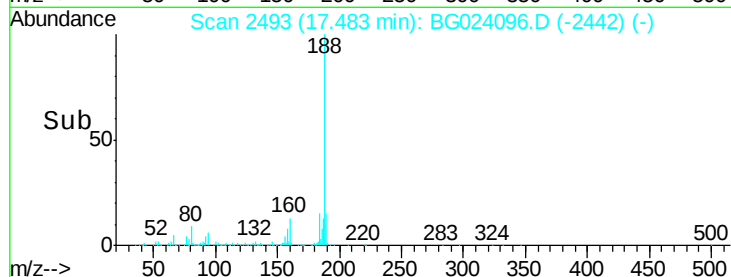
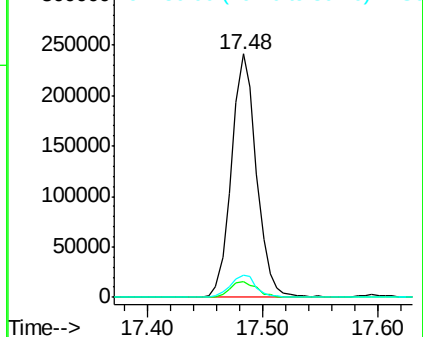
80 9.3 7.2 10.8



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



#69

Pentachlorophenol

Concen: 3.59 ng

RT: 17.13 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BG024096.D

Acq: 23 Sep 2016 20:42

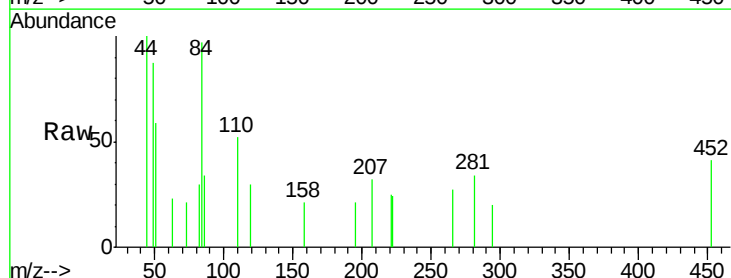
Tgt Ion:266 Resp: 71

Ion Ratio Lower Upper

266 100

268 0.0 51.9 77.9#

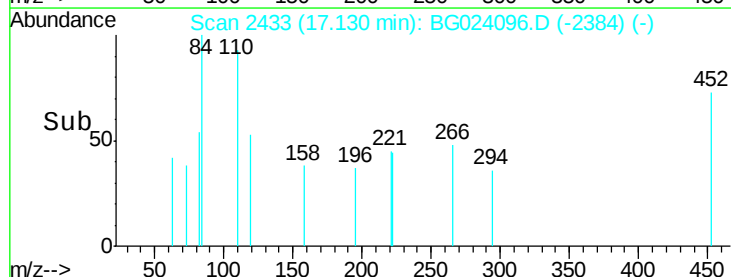
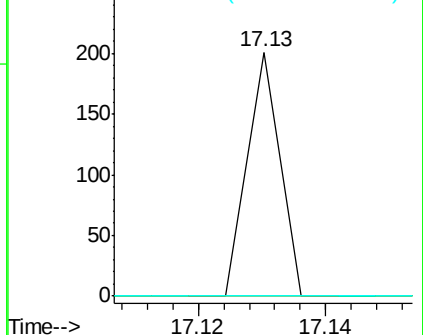
264 0.0 50.6 75.8#

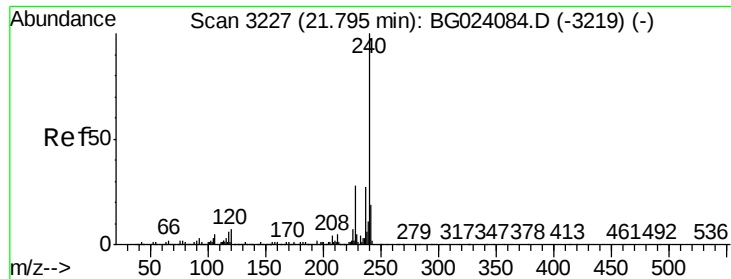


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

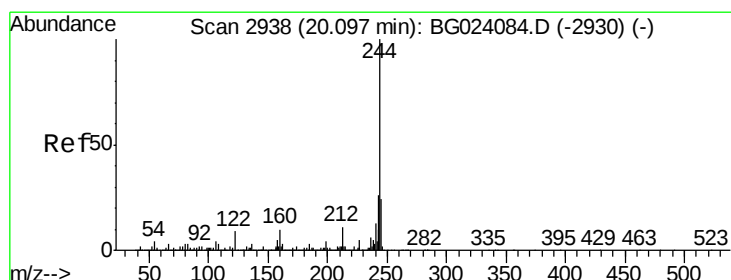
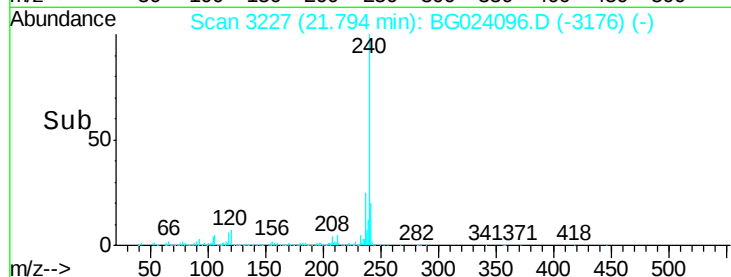
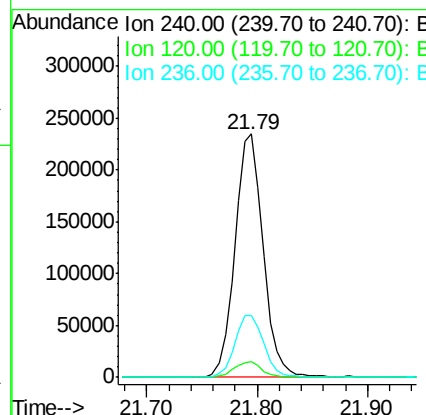
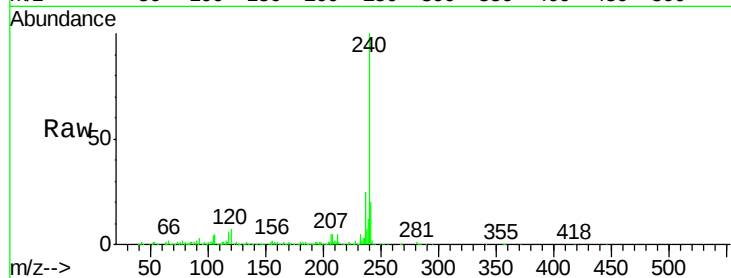




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.79 min Scan# 3227
Delta R.T. -0.00 min
Lab File: BG024096.D
Acq: 23 Sep 2016 20:42

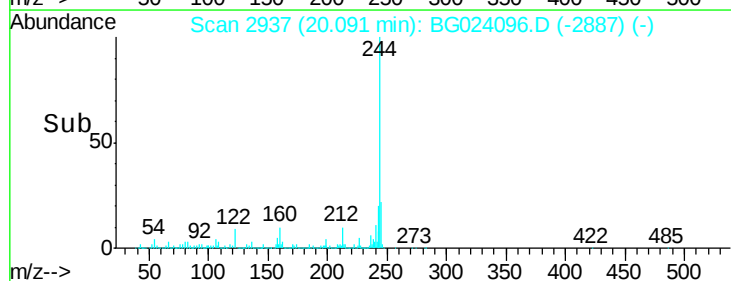
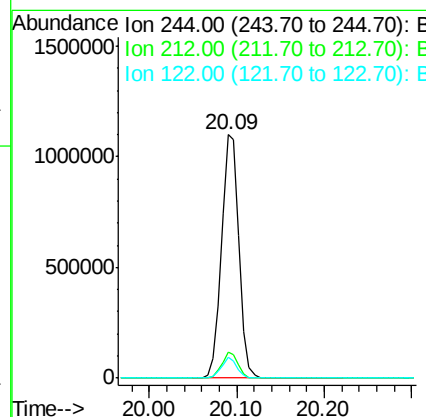
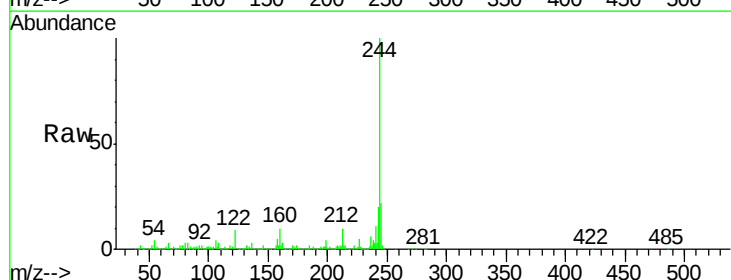
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01-QT4

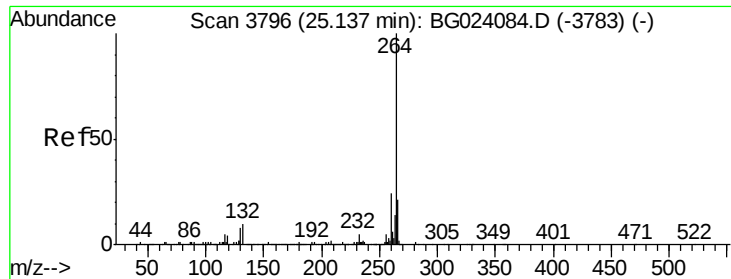
Tgt Ion:240 Resp: 419878
Ion Ratio Lower Upper
240 100
120 6.7 4.1 6.1#
236 25.4 21.1 31.7



#78
Terphenyl-d14
Concen: 73.83 ng
RT: 20.09 min Scan# 2937
Delta R.T. -0.01 min
Lab File: BG024096.D
Acq: 23 Sep 2016 20:42

Tgt Ion:244 Resp: 1513976
Ion Ratio Lower Upper
244 100
212 10.5 10.8 16.2#
122 8.5 8.0 12.0

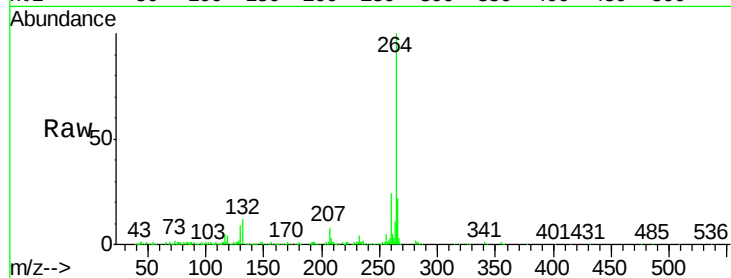




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.13 min Scan# 3795
Delta R.T. -0.01 min
Lab File: BG024096.D
Acq: 23 Sep 2016 20:42

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion:	264	Resp:	400166
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.4	27.6
265	21.6	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

