

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
 Data File : BG024099.D
 Acq On : 23 Sep 2016 22:37
 Operator : UM/SJ
 Sample : H4818-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

Quant Time: Sep 24 00:26:45 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	41540	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	180983	20.00	ng	0.00
38) Acenaphthene-d10	14.71	164	163499	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	409215	20.00	ng	0.00
75) Chrysene-d12	21.79	240	446686	20.00	ng	0.00
86) Perylene-d12	25.13	264	433638	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	317288	132.33	ng	0.00
7) Phenol-d6	7.21	99	484386	120.06	ng	0.00
23) Nitrobenzene-d5	9.22	82	350757	76.39	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	275787	117.35	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	735961	75.66	ng	0.00
78) Terphenyl-d14	20.09	244	1478596	67.78	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.44	88	12493	13.61	ng	# 83
3) Pyridine	3.85	79	35950	11.08	ng	96
4) n-Nitrosodimethylamine	3.77	42	19937	12.13	ng	# 88
6) Aniline	7.37	93	51503	9.09	ng	92
8) 2-Chlorophenol	7.61	128	40688	14.18	ng	92
9) Benzaldehyde	7.18	77	42975	19.56	ng	88
10) Phenol	7.24	94	60921	14.36	ng	94
11) bis(2-Chloroethyl)ether	7.45	93	40661	12.16	ng	99
12) 1,3-Dichlorobenzene	7.93	146	42181	13.18	ng	89
13) 1,4-Dichlorobenzene	8.08	146	45939	14.06	ng	95
14) 1,2-Dichlorobenzene	8.40	146	44247	13.92	ng	96
15) Benzyl Alcohol	8.29	79	47219	12.09	ng	94
16) 2,2'-oxybis(1-Chloropropan	8.58	45	56647	12.27	ng	91
17) 2-Methylphenol	8.51	107	37554	13.32	ng	95
18) Hexachloroethane	9.13	117	18560	13.49	ng	97
19) n-Nitroso-di-n-propylamine	8.85	70	47153	11.90	ng	# 91
20) 3+4-Methylphenols	8.84	107	54475	13.30	ng	89
22) Acetophenone	8.88	105	72447	13.88	ng	# 97
24) Nitrobenzene	9.26	77	71788	14.58	ng	94
25) Isophorone	9.78	82	122228	13.05	ng	# 95
26) 2-Nitrophenol	9.99	139	23613	13.52	ng	# 84
27) 2,4-Dimethylphenol	10.05	122	42140	14.43	ng	98
28) bis(2-Chloroethoxy)methane	10.27	93	64363	14.13	ng	# 95
29) 2,4-Dichlorophenol	10.55	162	46227	15.21	ng	92
30) 1,2,4-Trichlorobenzene	10.73	180	47119	14.49	ng	97
31) Naphthalene	10.92	128	133895	14.60	ng	98
32) Benzoic acid	10.19	122	15087	9.22	ng	89
33) 4-Chloroaniline	11.06	127	38483	9.40	ng	# 92
34) Hexachlorobutadiene	11.20	225	32306	12.62	ng	98
35) Caprolactam	11.82	113	19450	15.74	ng	87
36) 4-Chloro-3-methylphenol	12.19	107	60305	14.10	ng	90
37) 2-Methylnaphthalene	12.54	142	104020	14.82	ng	96
39) 1,2,4,5-Tetrachlorobenzene	12.91	216	63911	13.39	ng	95
40) Hexachlorocyclopentadiene	12.87	237	13060	10.94	ng	98

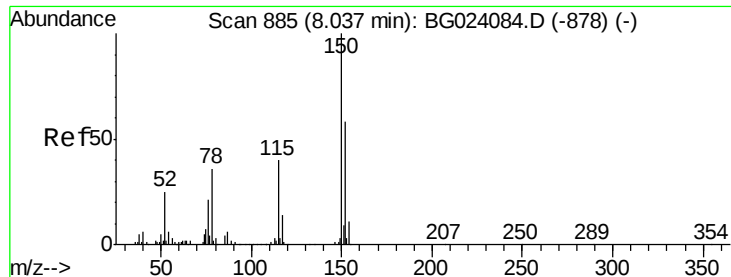
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.16	196	42720	13.84	ng	93
43) 2,4,5-Trichlorophenol	13.25	196	42243	13.30	ng #	97
45) 1,1'-Biphenyl	13.54	154	152015	13.60	ng	98
46) 2-Chloronaphthalene	13.59	162	116494	13.96	ng	99
47) 2-Nitroaniline	13.82	65	53237	13.71	ng	97
48) Acenaphthylene	14.44	152	199796	14.10	ng	98
49) Dimethylphthalate	14.16	163	178921	14.26	ng	99
50) 2,6-Dinitrotoluene	14.30	165	39450	14.97	ng	89
51) Acenaphthene	14.78	154	125538	14.61	ng	96
52) 3-Nitroaniline	14.64	138	27889	10.60	ng	90
53) 2,4-Dinitrophenol	14.87	184	13196	11.38	ng #	84
54) Dibenzofuran	15.11	168	212994	15.92	ng	99
55) 4-Nitrophenol	15.01	139	21762	15.06	ng #	83
56) 2,4-Dinitrotoluene	15.10	165	58791	14.66	ng #	85
57) Fluorene	15.77	166	175373	15.06	ng	95
58) 2,3,4,6-Tetrachlorophenol	15.36	232	50307	16.40	ng	95
59) Diethylphthalate	15.53	149	201784	14.94	ng	97
60) 4-Chlorophenyl-phenylether	15.75	204	90330	14.48	ng	93
61) 4-Nitroaniline	15.82	138	35645	13.08	ng #	73
62) Azobenzene	16.05	77	220455	16.06	ng	89
64) 4,6-Dinitro-2-methylphenol	15.88	198	32812	11.55	ng	90
65) n-Nitrosodiphenylamine	15.98	169	163081	14.57	ng	96
66) 4-Bromophenyl-phenylether	16.65	248	65558	13.81	ng	91
67) Hexachlorobenzene	16.78	284	70722	13.22	ng	97
68) Atrazine	16.92	200	76408	15.46	ng	95
69) Pentachlorophenol	17.15	266	25431	12.33	ng	91
70) Phenanthrene	17.62	178	318297	15.27	ng	97
71) Anthracene	17.62	178	318297	14.87	ng	97
72) Carbazole	17.90	167	290868	14.59	ng	98
73) Di-n-butylphthalate	18.43	149	361535	13.86	ng #	94
74) Fluoranthene	19.54	202	402566	14.79	ng	92
76) Benzidine	19.73	184	98148	7.76	ng #	95
77) Pyrene	19.91	202	408622	13.10	ng	93
79) Butylbenzylphthalate	20.78	149	153132	13.33	ng	97
80) Benzo(a)anthracene	21.77	228	377638	14.85	ng	93
81) 3,3'-Dichlorobenzidine	21.68	252	71891	7.89	ng #	97
82) Chrysene	21.84	228	357355	14.95	ng	97
83) Bis(2-ethylhexyl)phthalate	21.64	149	216926	15.81	ng #	96
84) Di-n-octyl phthalate	22.88	149	372637	15.74	ng	100
85) Indeno(1,2,3-cd)pyrene	28.96	276	421439	15.81	ng #	100
87) Benzo(b)fluoranthene	24.06	252	369849	14.66	ng #	95
88) Benzo(k)fluoranthene	24.13	252	366610	14.63	ng #	96
89) Benzo(a)pyrene	24.97	252	370819	15.20	ng	96
90) Dibenzo(a,h)anthracene	29.01	278	344951	14.16	ng #	97
91) Benzo(g,h,i)perylene	30.15	276	350956	14.30	ng #	93

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 885

Delta R.T. -0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

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BNA_G

ClientSampleId :

LOQ-SOIL2016--02-QT4

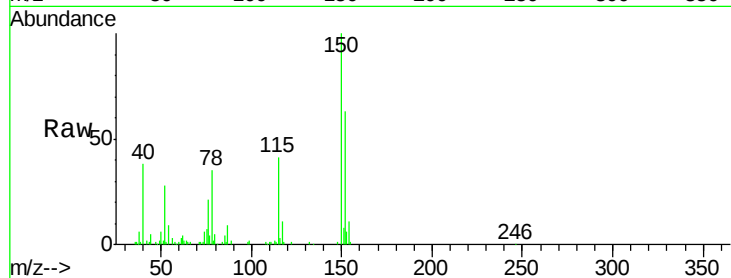
Tgt Ion:152 Resp: 41540

Ion Ratio Lower Upper

152 100

150 158.2 144.7 217.1

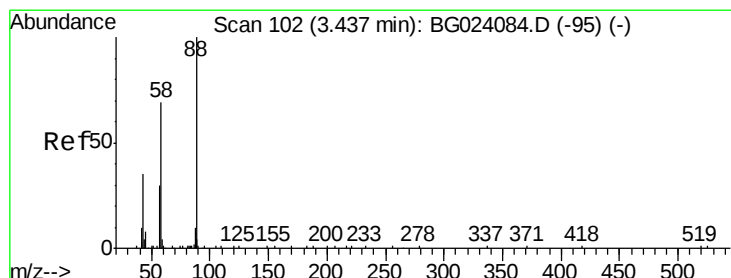
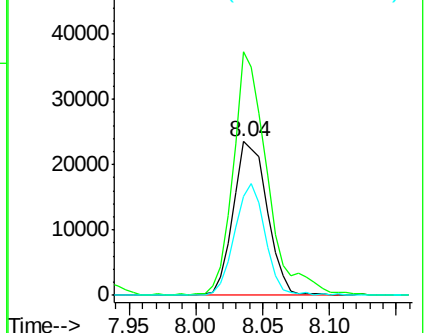
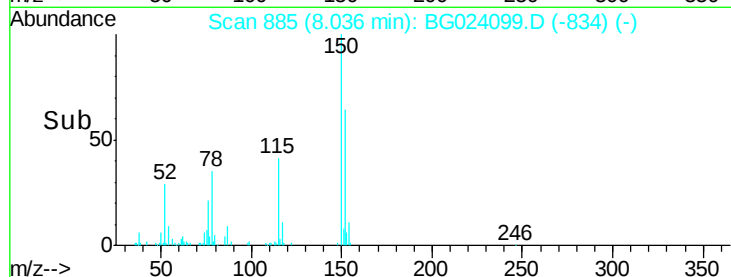
115 64.3 64.0 96.0



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: 13.61 ng

RT: 3.44 min Scan# 102

Delta R.T. -0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

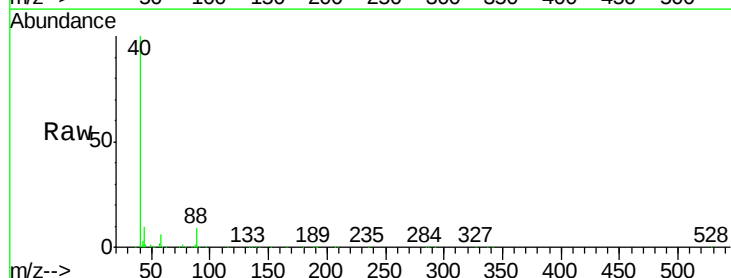
Tgt Ion: 88 Resp: 12493

Ion Ratio Lower Upper

88 100

58 95.0 60.4 90.6#

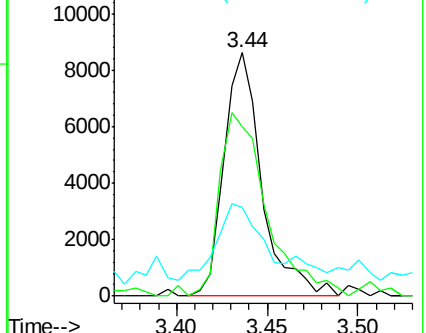
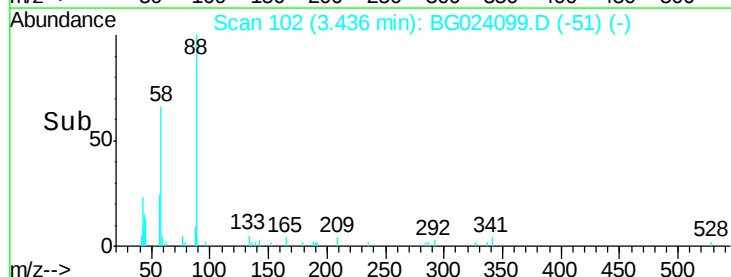
43 36.4 31.1 46.7



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

Pyridine

Concen: 11.08 ng

RT: 3.85 min Scan# 173

Delta R.T. 0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

Instrument :

BNA_G

ClientSampleId :

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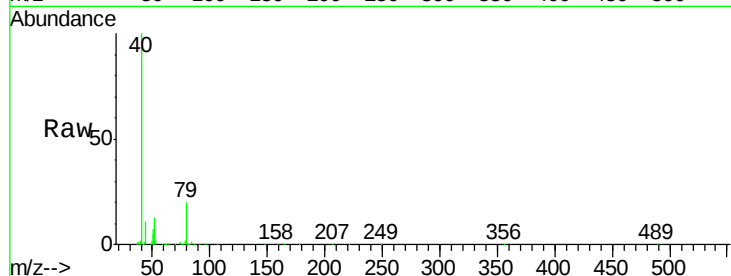
Tgt Ion: 79 Resp: 35950

Ion Ratio Lower Upper

79 100

52 63.1 51.8 77.8

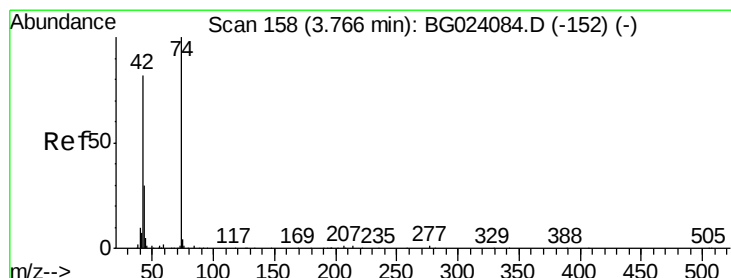
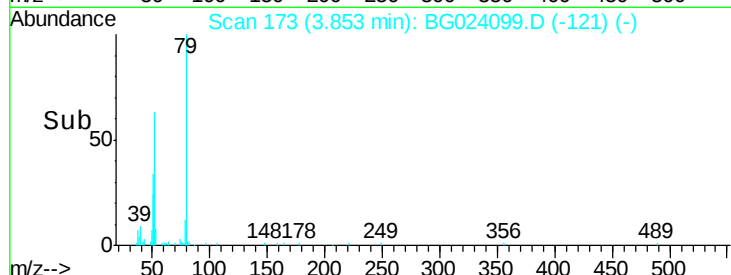
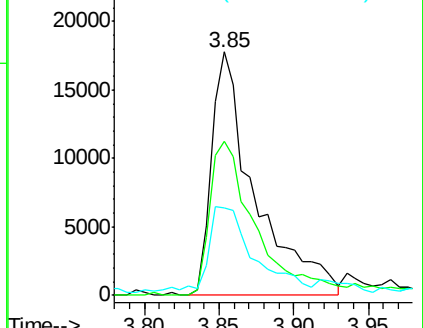
51 36.0 32.7 49.1



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 12.13 ng

RT: 3.77 min Scan# 159

Delta R.T. 0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

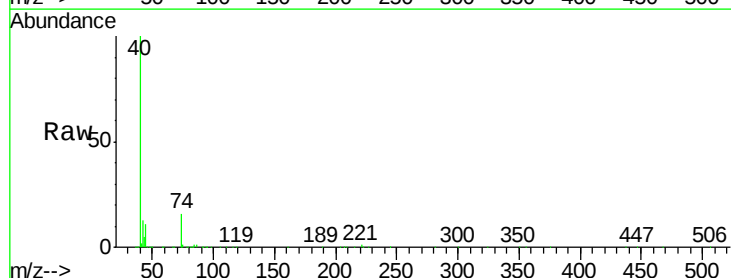
Tgt Ion: 42 Resp: 19937

Ion Ratio Lower Upper

42 100

74 123.6 100.6 150.8

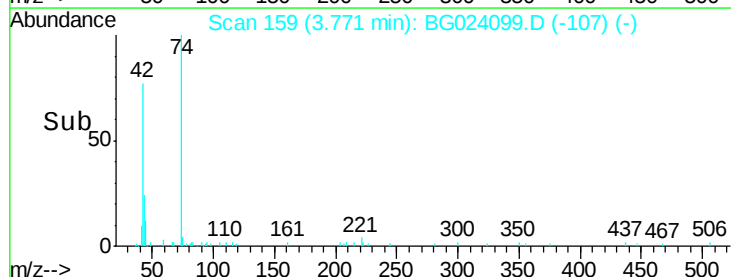
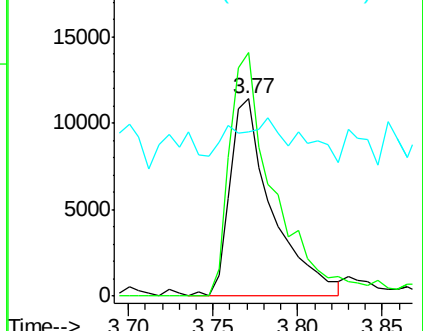
44 83.4 4.5 6.7#

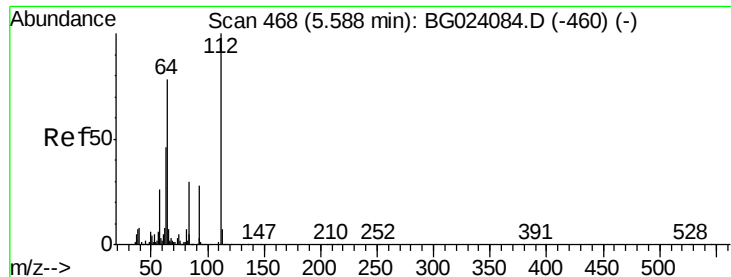


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 132.33 ng

RT: 5.59 min Scan# 469

Delta R.T. 0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016--02-QT4

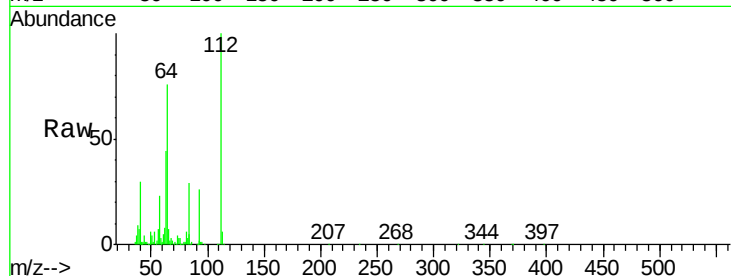
Tgt Ion:112 Resp: 317288

Ion Ratio Lower Upper

112 100

64 75.8 59.0 88.4

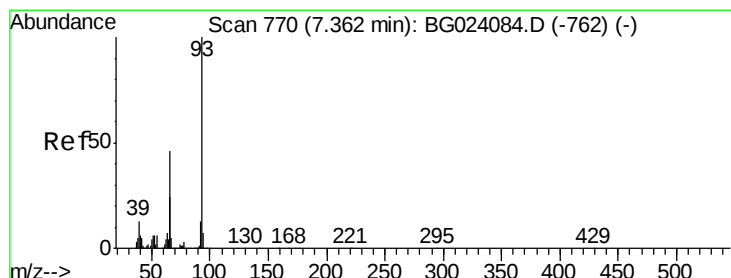
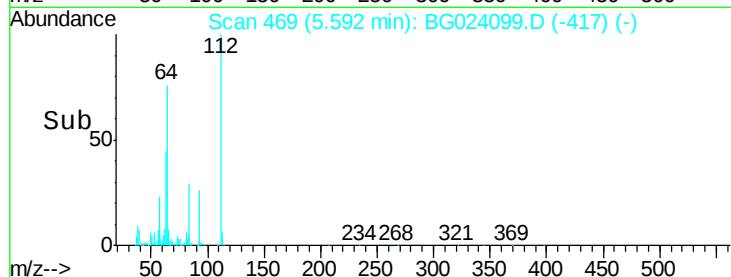
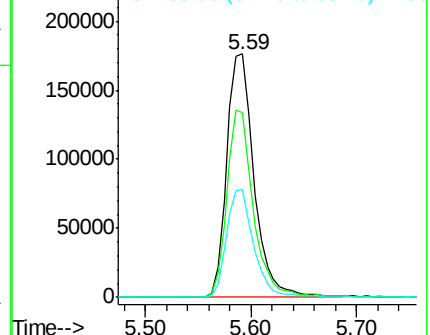
63 44.2 37.8 56.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 9.09 ng

RT: 7.37 min Scan# 771

Delta R.T. 0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

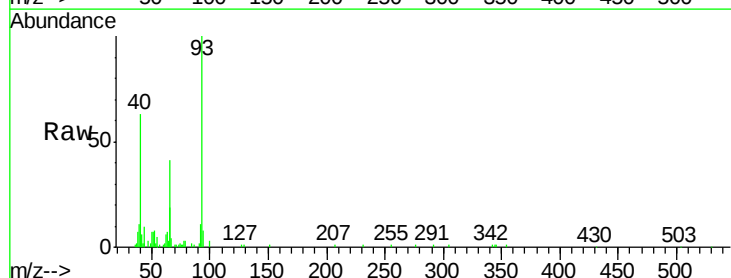
Tgt Ion: 93 Resp: 51503

Ion Ratio Lower Upper

93 100

66 40.8 37.5 56.3

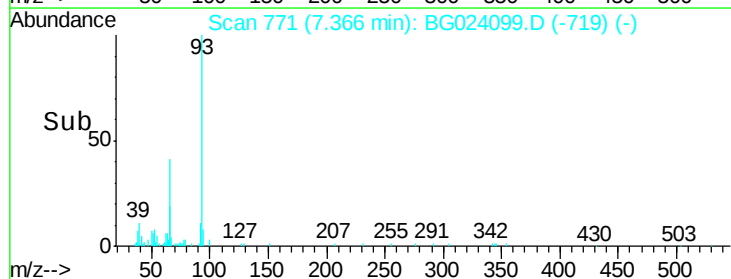
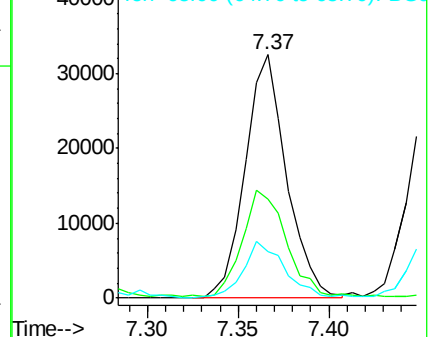
65 19.3 17.9 26.9

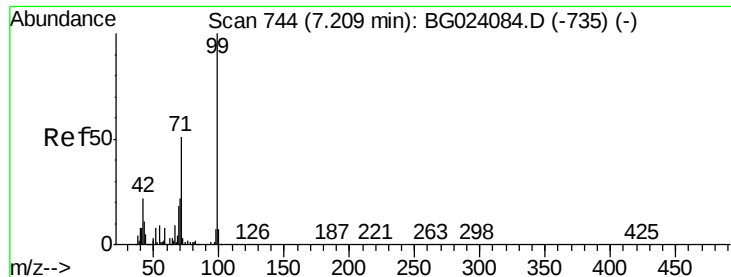


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 120.06 ng

RT: 7.21 min Scan# 744

Delta R.T. -0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

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LOQ-SOIL2016--02-QT4

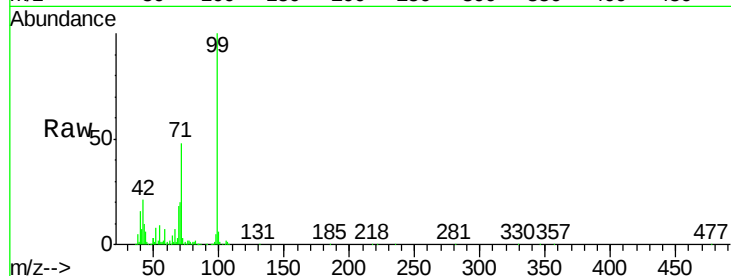
Tgt Ion: 99 Resp: 484386

Ion Ratio Lower Upper

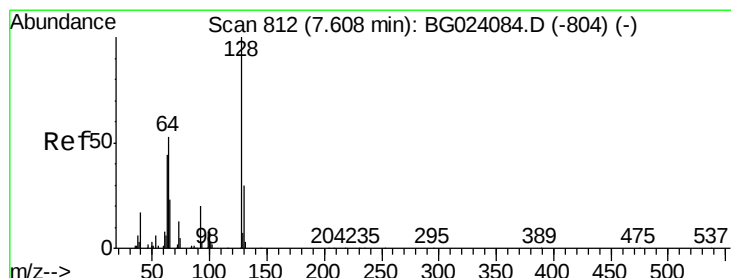
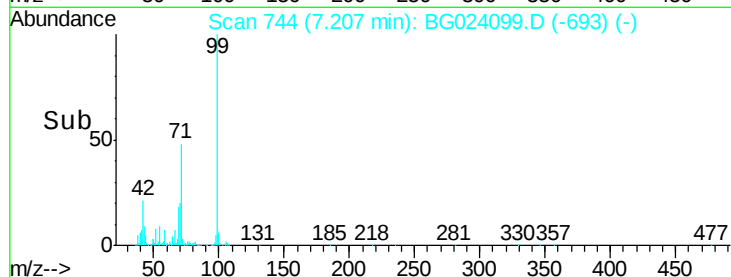
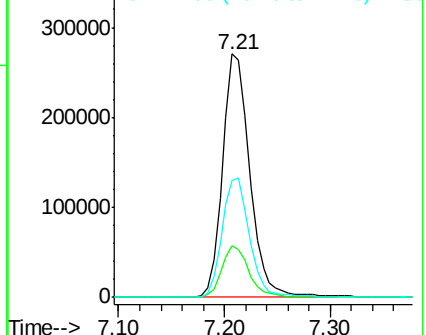
99 100

42 21.0 17.8 26.6

71 48.2 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



#8

2-Chlorophenol

Concen: 14.18 ng

RT: 7.61 min Scan# 812

Delta R.T. -0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

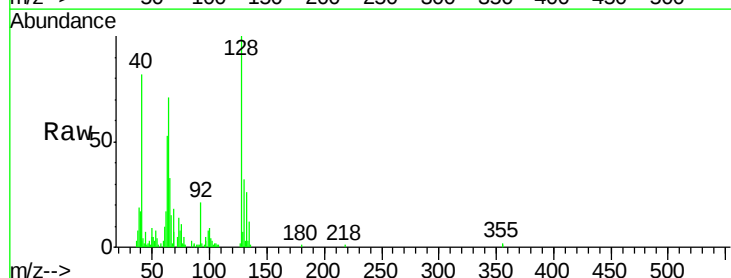
Tgt Ion: 128 Resp: 40688

Ion Ratio Lower Upper

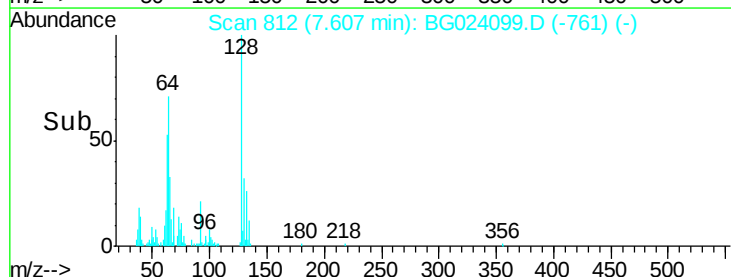
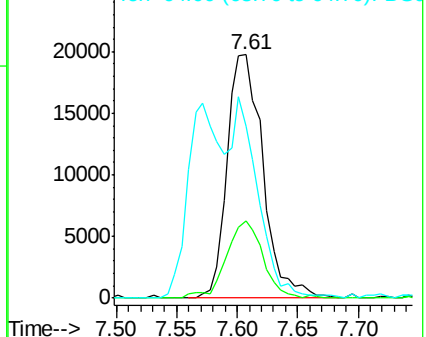
128 100

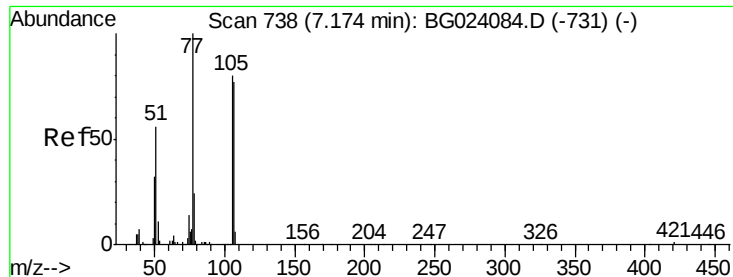
130 31.5 12.9 52.9

64 70.6 42.0 82.0



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 19.56 ng

RT: 7.18 min Scan# 739

Delta R.T. 0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016--02-QT4

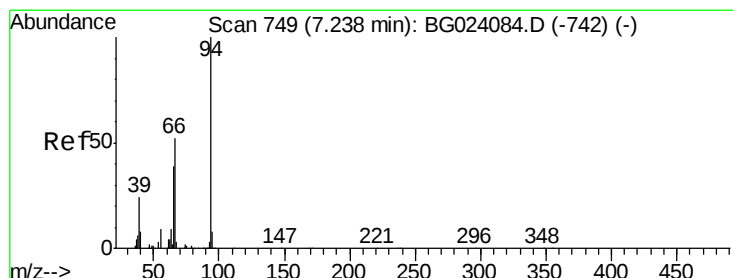
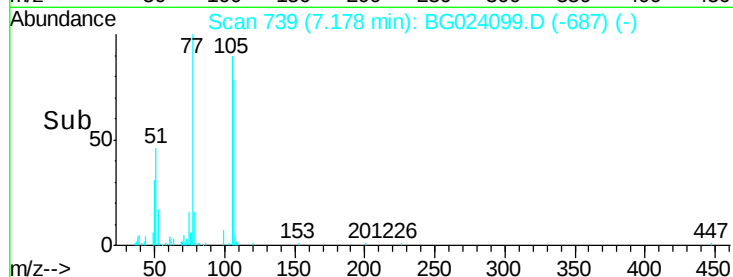
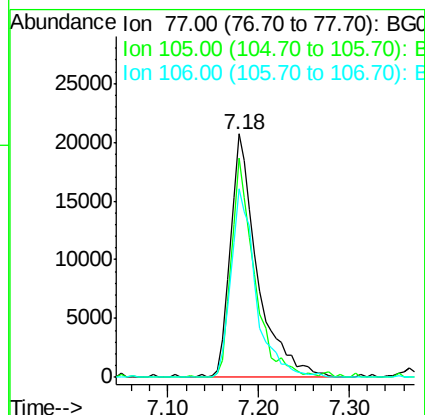
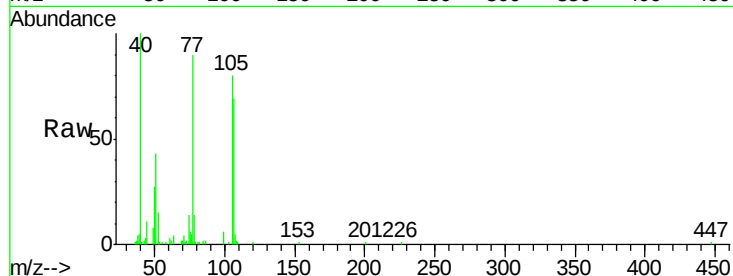
Tgt Ion: 77 Resp: 42975

Ion Ratio Lower Upper

77 100

105 89.9 58.7 98.7

106 77.5 67.5 107.5



#10

Phenol

Concen: 14.36 ng

RT: 7.24 min Scan# 749

Delta R.T. -0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

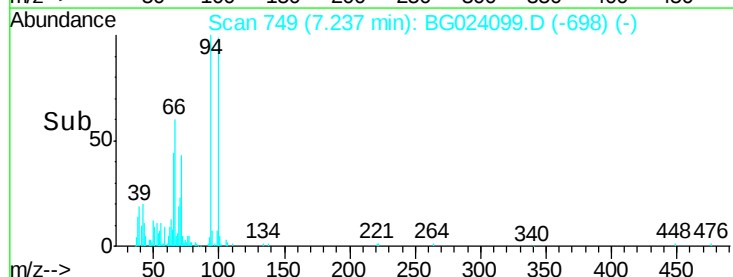
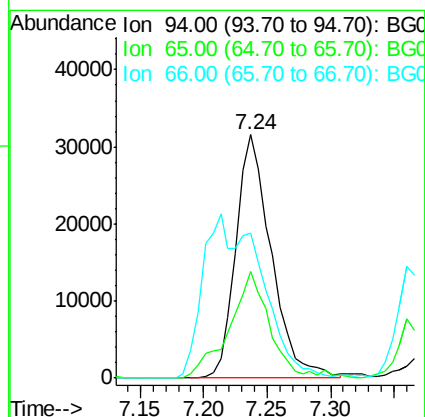
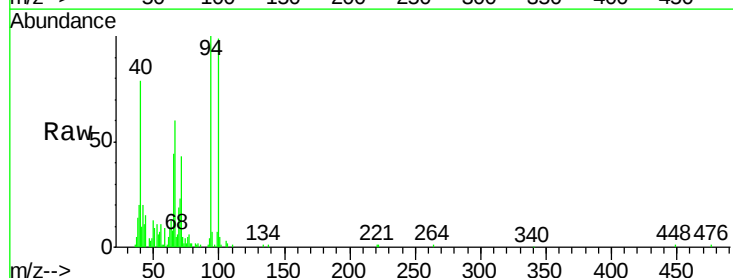
Tgt Ion: 94 Resp: 60921

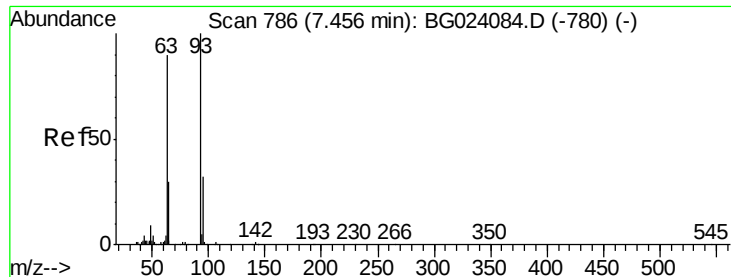
Ion Ratio Lower Upper

94 100

65 43.9 18.1 58.1

66 59.8 42.1 82.1

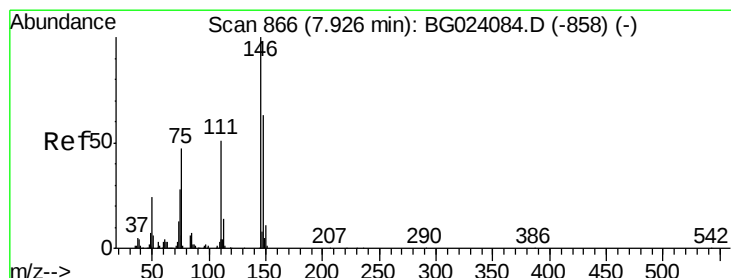
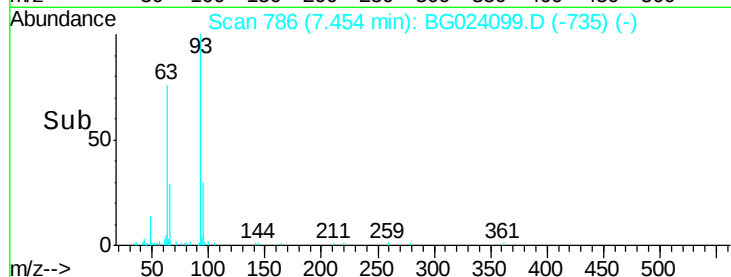
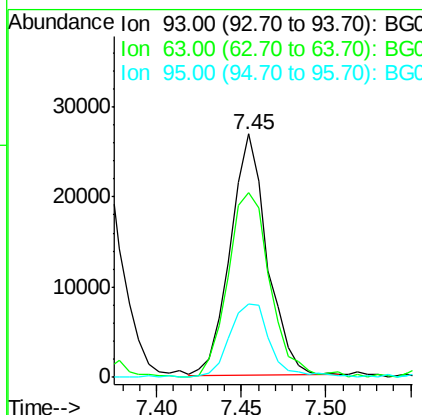
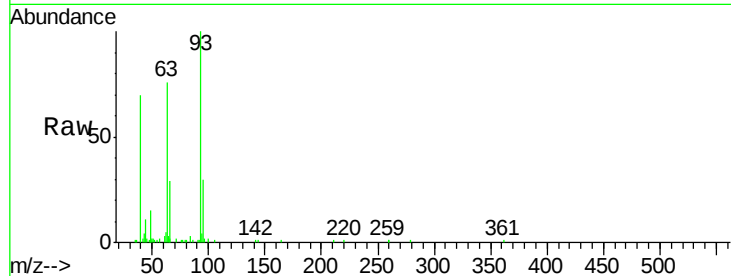




#11
 bis(2-Chloroethyl)ether
 Concen: 12.16 ng
 RT: 7.45 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

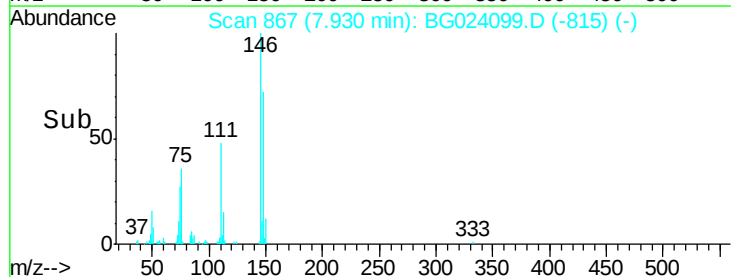
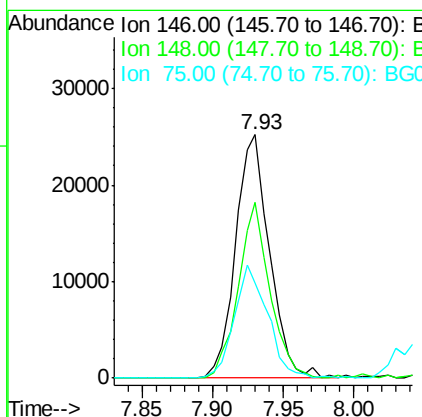
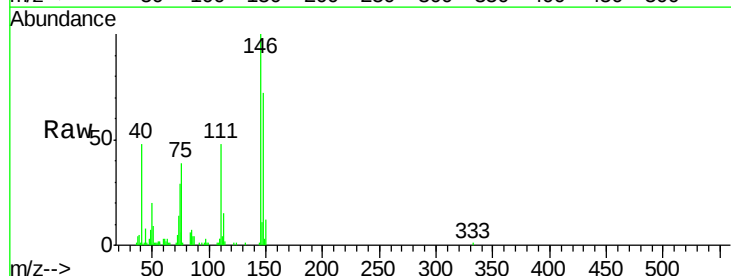
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

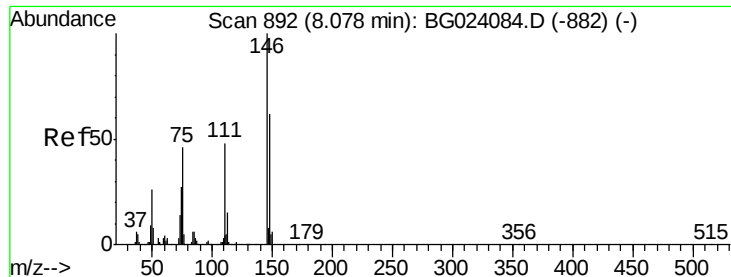
Tgt Ion: 93 Resp: 40661
 Ion Ratio Lower Upper
 93 100
 63 76.1 55.0 95.0
 95 30.1 11.0 51.0



#12
 1,3-Dichlorobenzene
 Concen: 13.18 ng
 RT: 7.93 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

Tgt Ion: 146 Resp: 42181
 Ion Ratio Lower Upper
 146 100
 148 71.9 50.3 75.5
 75 39.0 37.0 55.6

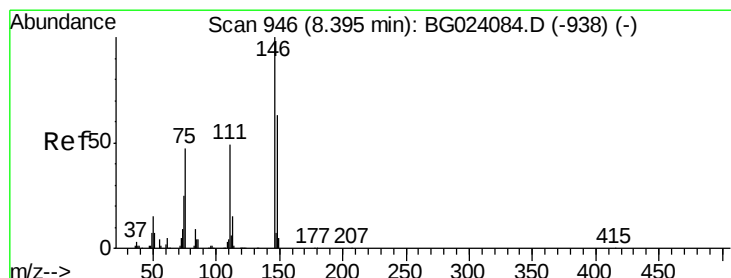
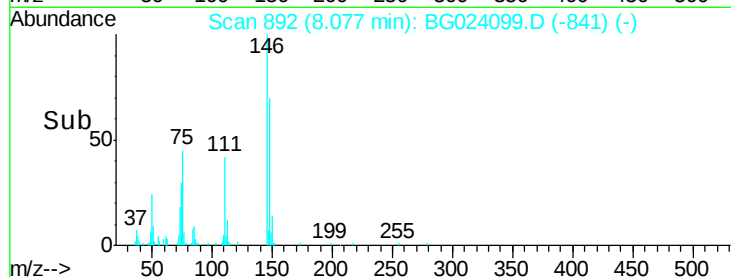
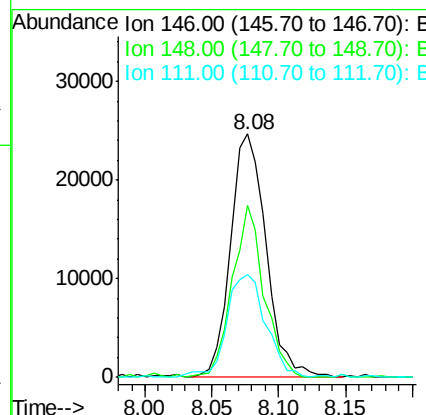
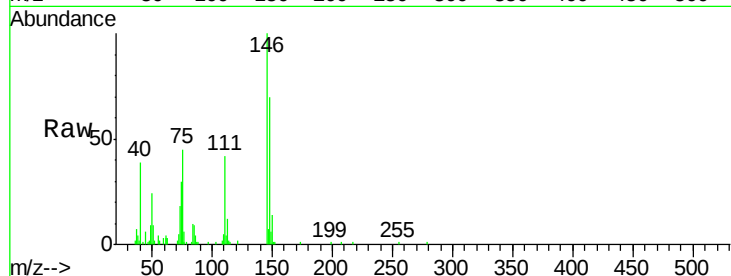




#13
 1,4-Dichlorobenzene
 Concen: 14.06 ng
 RT: 8.08 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

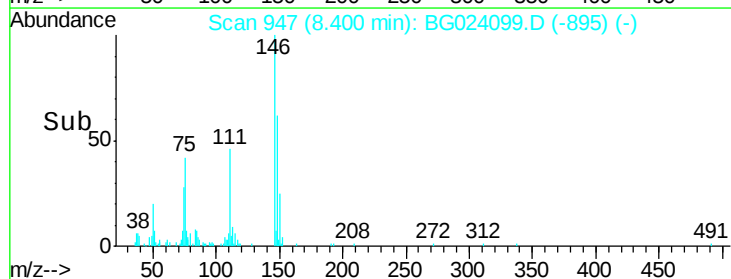
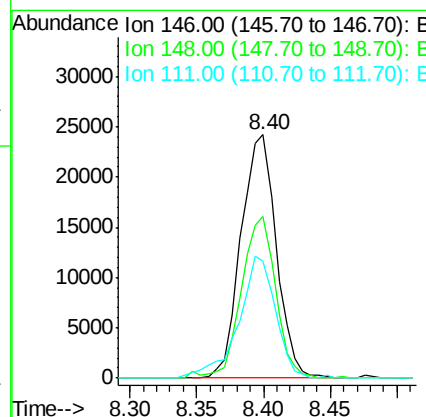
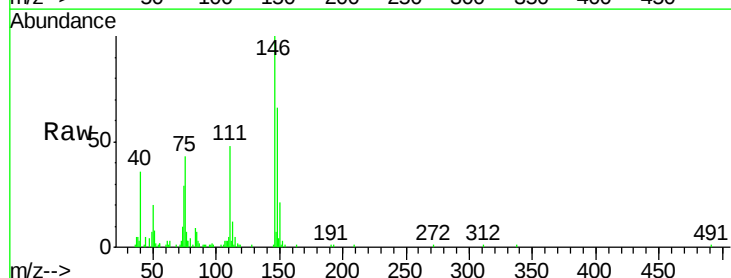
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

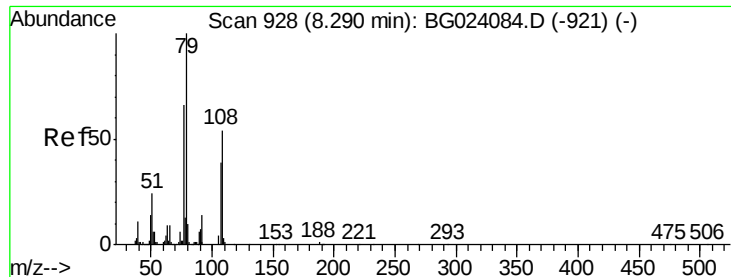
Tgt Ion	Ratio	Lower	Upper
146	100		
148	70.4	54.5	81.7
111	42.2	37.8	56.8



#14
 1,2-Dichlorobenzene
 Concen: 13.92 ng
 RT: 8.40 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.2	52.9	79.3
111	48.1	43.5	65.3

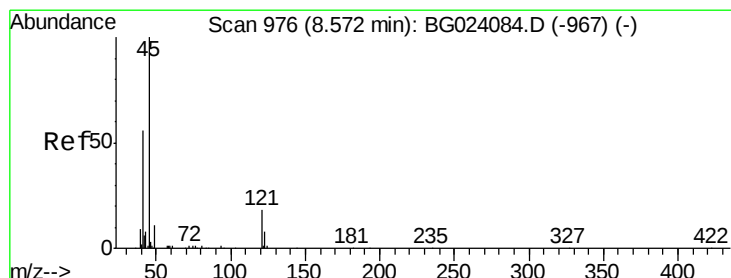
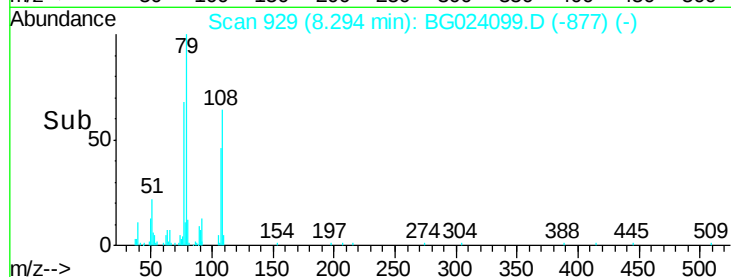
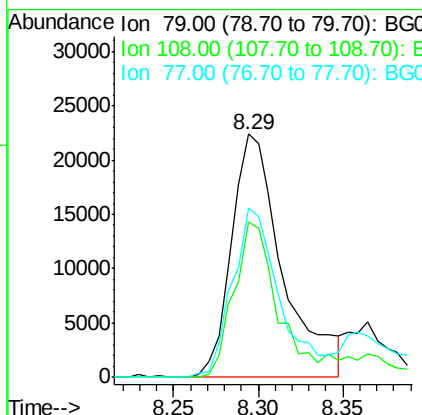
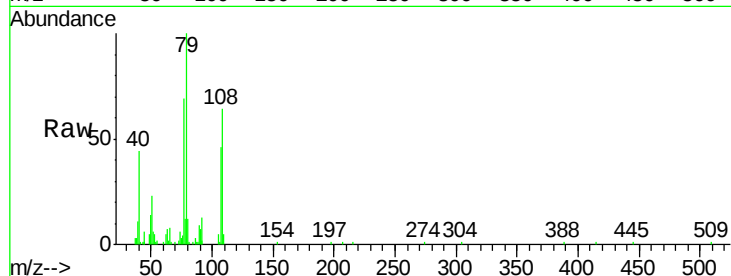




#15
Benzyl Alcohol
Concen: 12.09 ng
RT: 8.29 min Scan# 929
Delta R.T. 0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

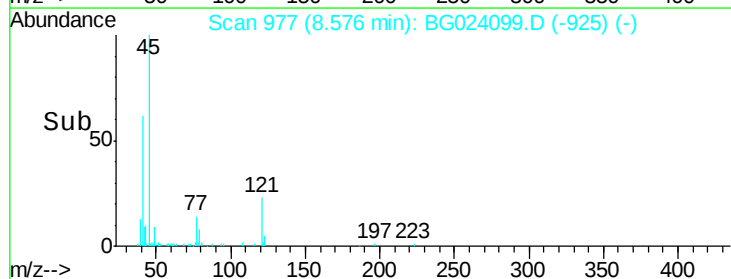
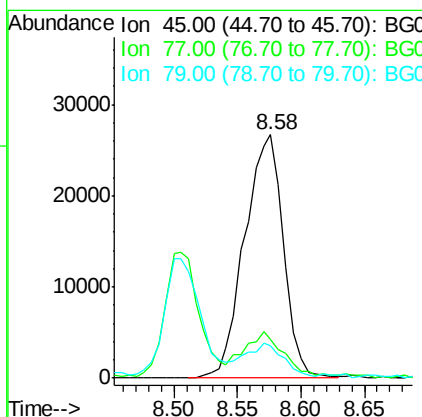
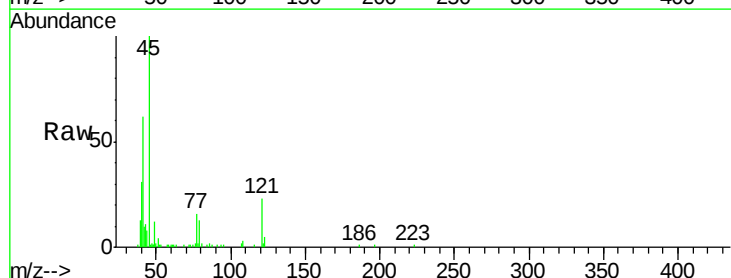
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016--02-QT4

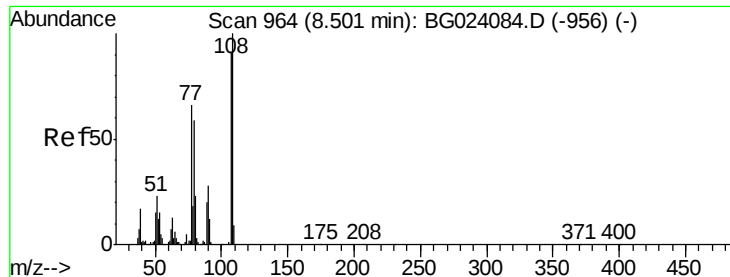
Tgt Ion: 79 Resp: 47219
Ion Ratio Lower Upper
79 100
108 63.7 46.5 69.7
77 69.4 52.3 78.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 12.27 ng
RT: 8.58 min Scan# 977
Delta R.T. 0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

Tgt Ion: 45 Resp: 56647
Ion Ratio Lower Upper
45 100
77 16.0 0.6 40.6
79 13.1 0.0 36.2





#17

2-Methylphenol

Concen: 13.32 ng

RT: 8.51 min Scan# 965

Delta R.T. 0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016--02-QT4

Tgt Ion:107 Resp: 37554

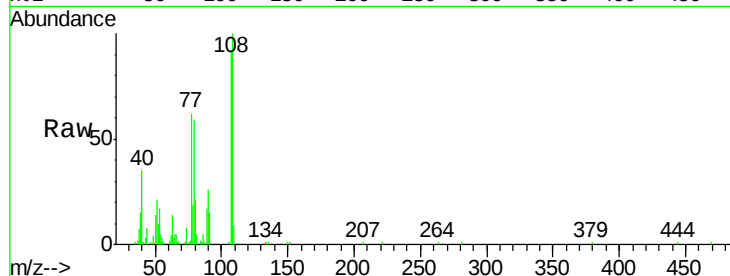
Ion Ratio Lower Upper

107 100

108 109.1 92.0 138.0

77 67.9 55.8 83.6

79 64.4 55.0 82.6

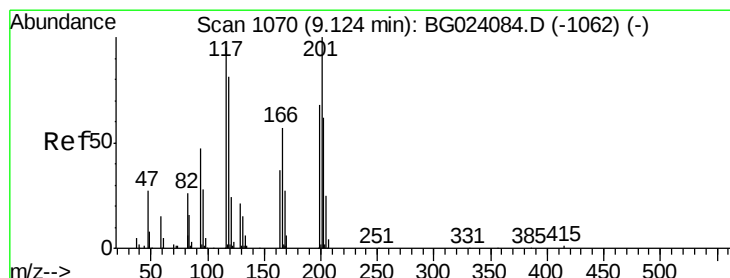
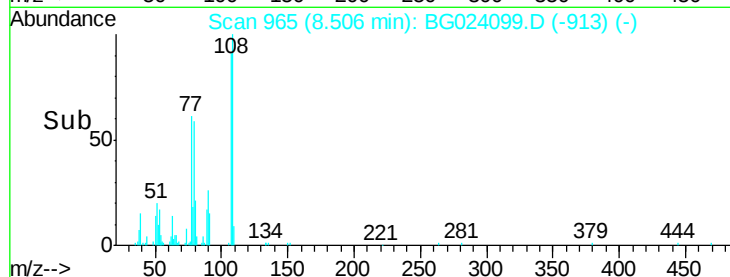
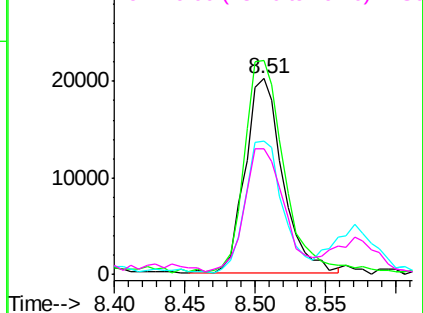


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 13.49 ng

RT: 9.13 min Scan# 1071

Delta R.T. 0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

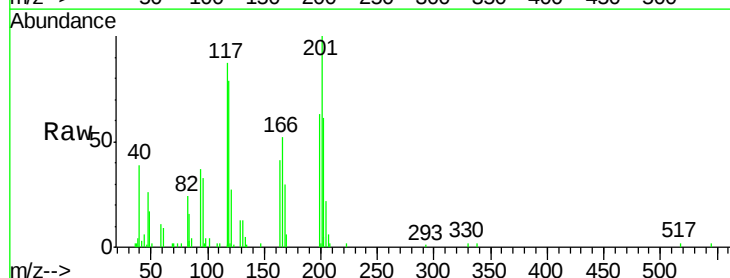
Tgt Ion:117 Resp: 18560

Ion Ratio Lower Upper

117 100

119 89.4 73.7 110.5

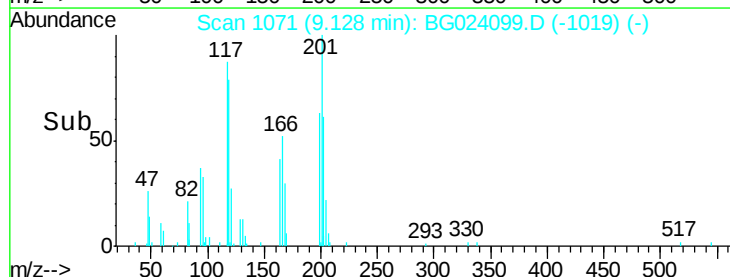
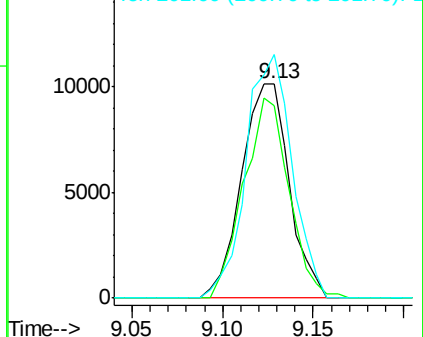
201 113.4 88.7 133.1

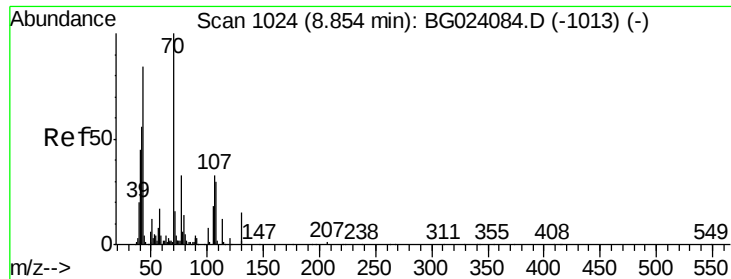


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

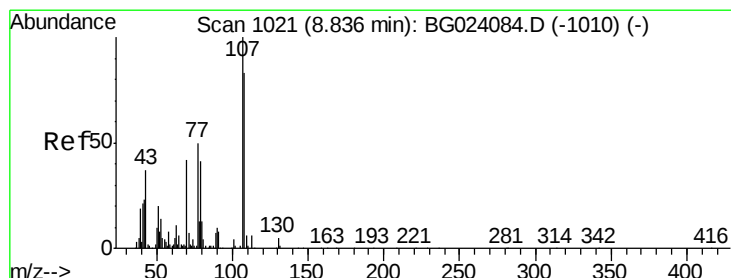
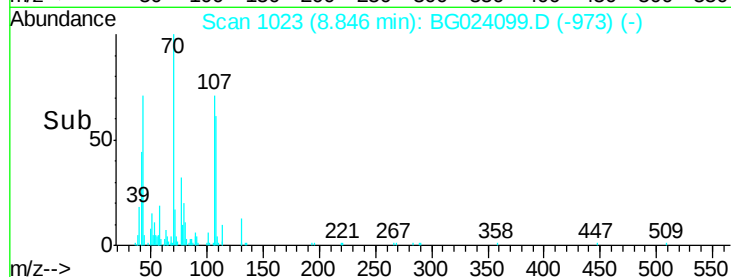
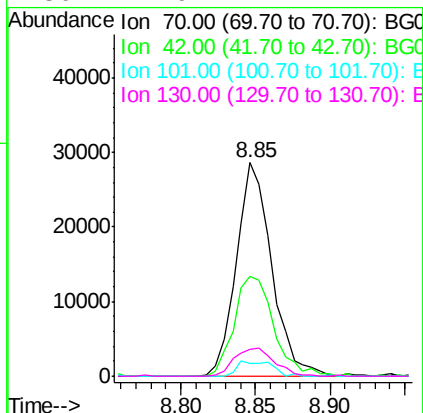
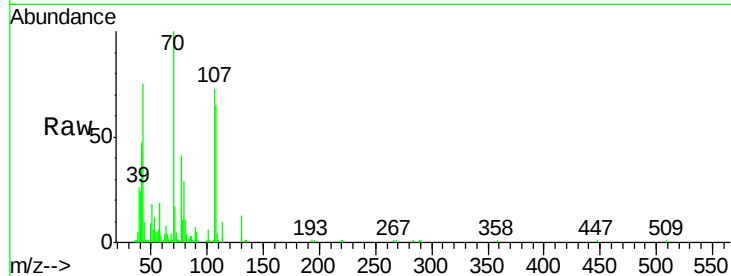




#19
n-Nitroso-di-n-propylamine
Concen: 11.90 ng
RT: 8.85 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

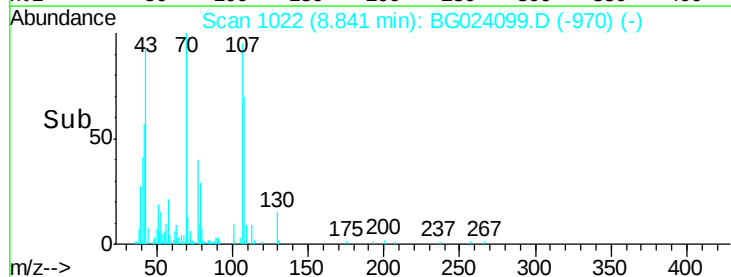
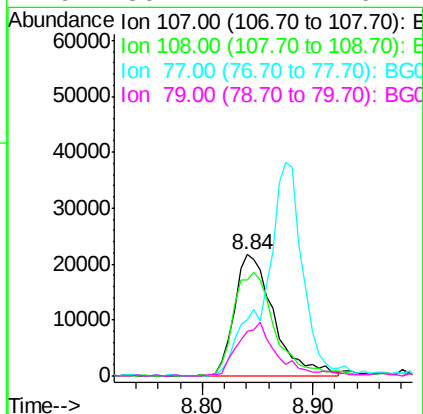
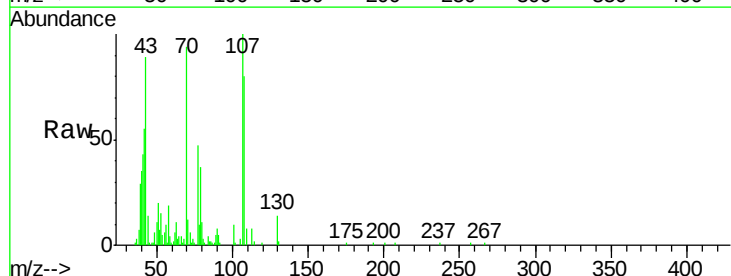
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016--02-QT4

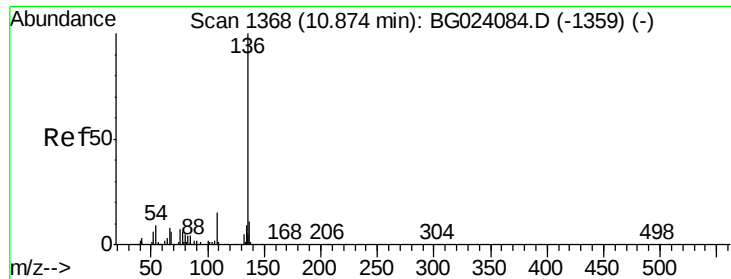
Tgt Ion: 70 Resp: 47153
Ion Ratio Lower Upper
70 100
42 46.8 42.1 63.1
101 6.2 7.2 10.8#
130 12.9 14.2 21.2#



#20
3+4-Methylphenols
Concen: 13.30 ng
RT: 8.84 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

Tgt Ion: 107 Resp: 54475
Ion Ratio Lower Upper
107 100
108 79.7 72.5 112.5
77 46.7 30.1 70.1
79 36.7 24.2 64.2

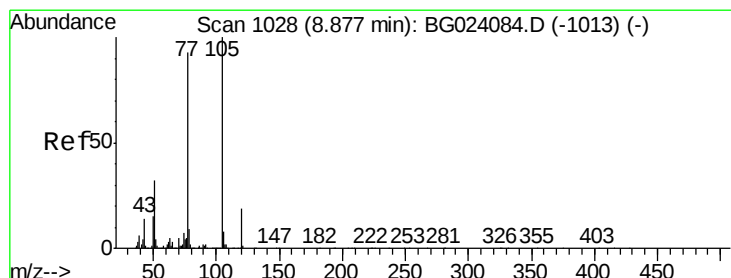
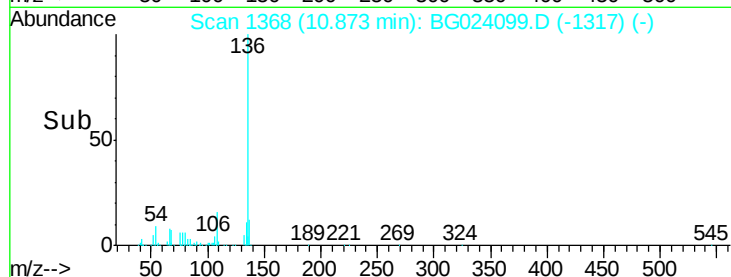
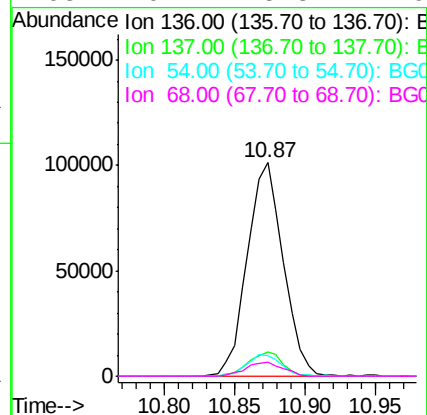
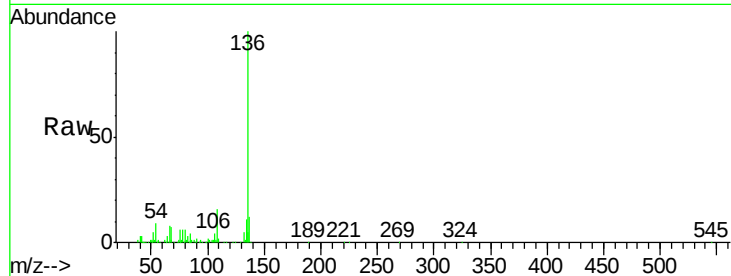




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.87 min Scan# 1368
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

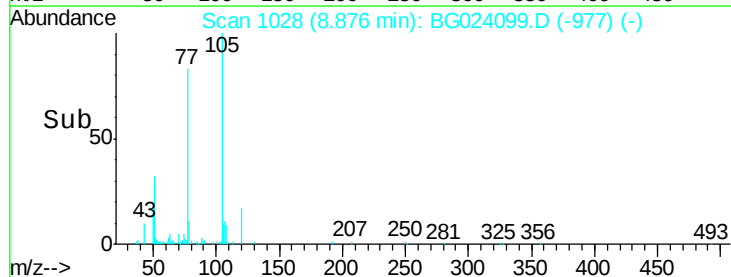
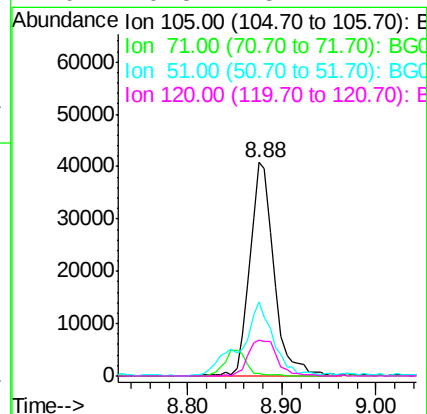
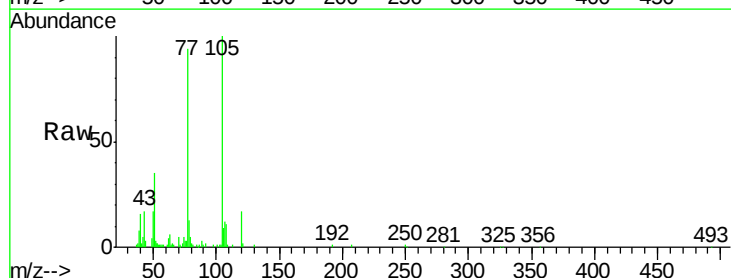
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016--02-QT4

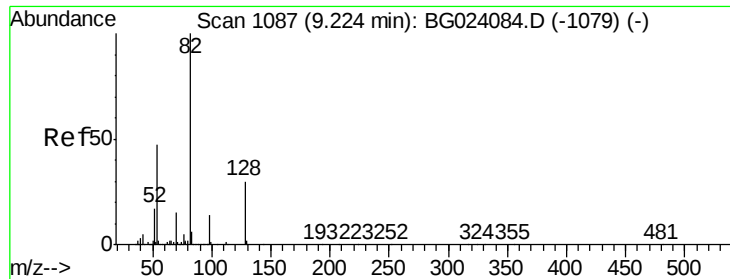
Tgt Ion:	136	Resp:	180983
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.6	14.4
54	9.4	7.3	10.9
68	6.7	5.3	7.9



#22
Acetophenone
Concen: 13.88 ng
RT: 8.88 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

Tgt Ion:	105	Resp:	72447
Ion	Ratio	Lower	Upper
105	100		
71	1.3	2.6	3.8#
51	34.7	27.1	40.7
120	16.8	15.1	22.7

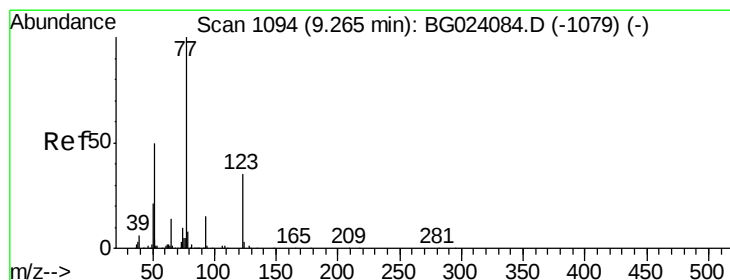
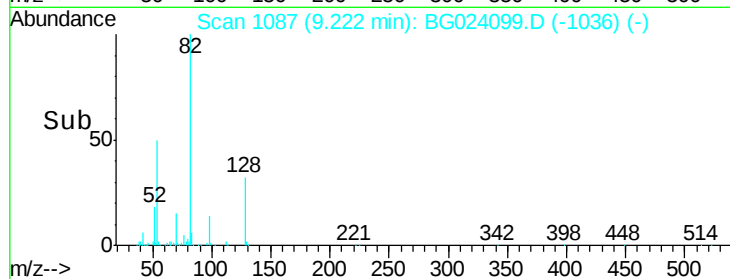
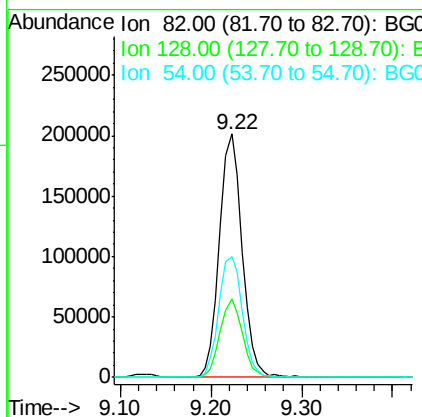
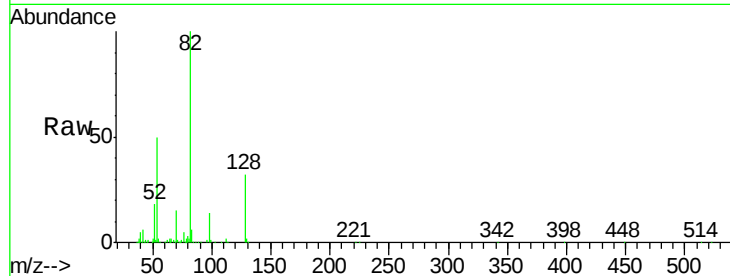




#23
Nitrobenzene-d5
Concen: 76.39 ng
RT: 9.22 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

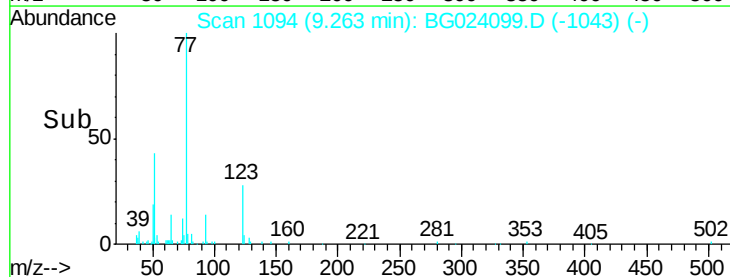
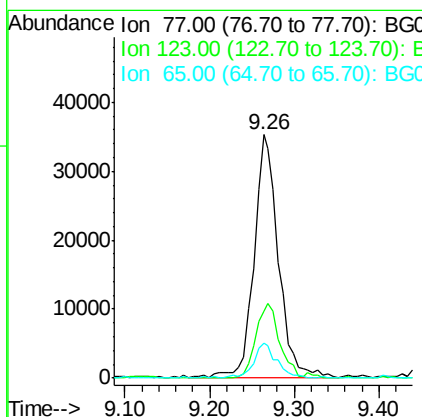
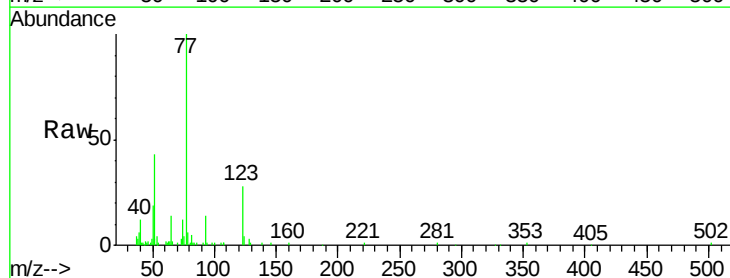
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016--02-QT4

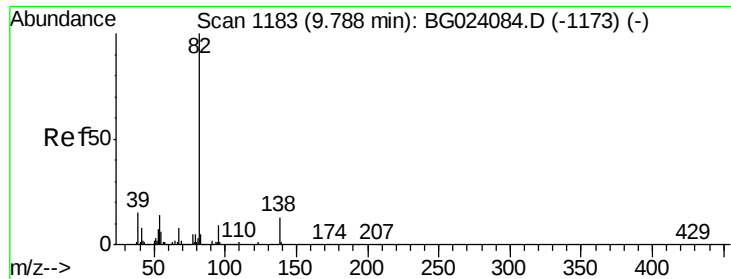
Tgt Ion: 82 Resp: 350757
Ion Ratio Lower Upper
82 100
128 32.5 24.4 36.6
54 49.6 41.4 62.0



#24
Nitrobenzene
Concen: 14.58 ng
RT: 9.26 min Scan# 1094
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

Tgt Ion: 77 Resp: 71788
Ion Ratio Lower Upper
77 100
123 27.6 25.0 37.6
65 14.3 13.4 20.0

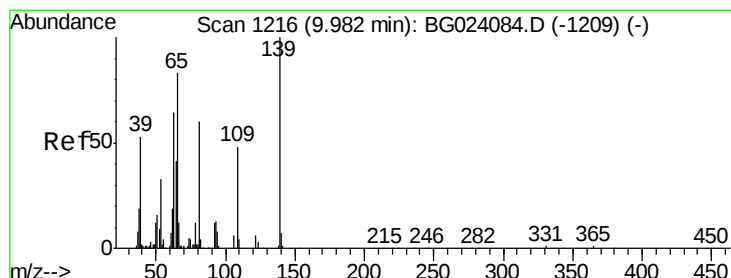
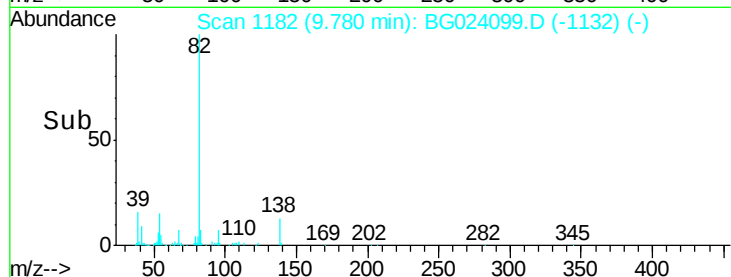
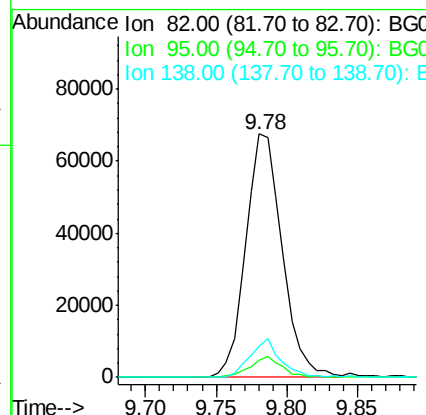
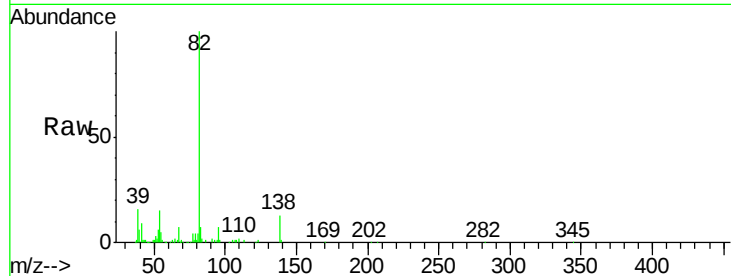




#25
Isophorone
Concen: 13.05 ng
RT: 9.78 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

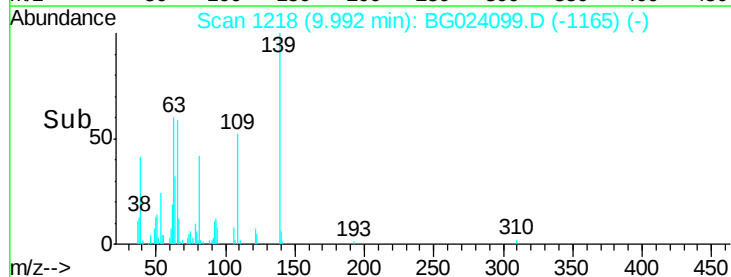
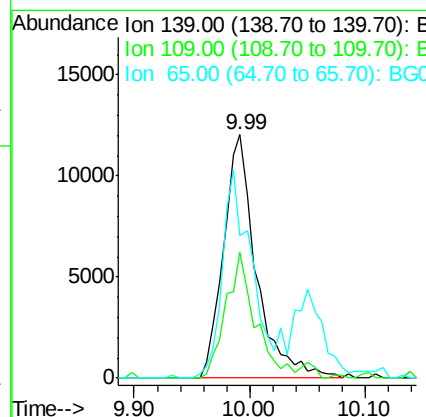
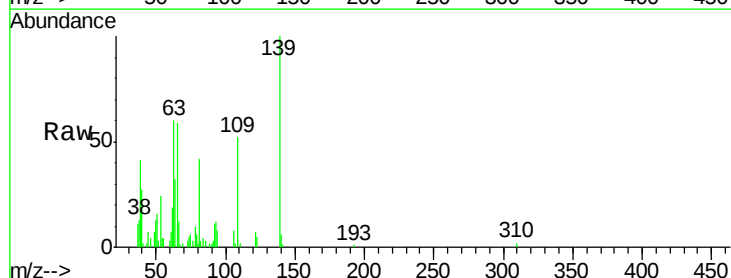
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016--02-QT4

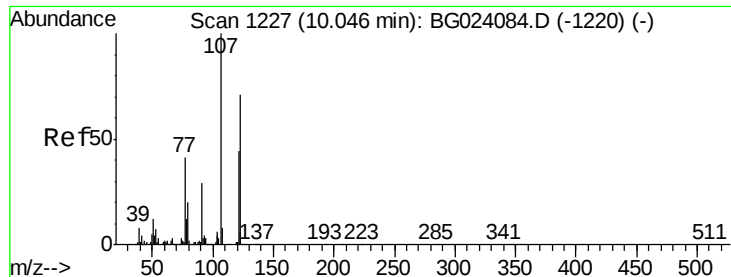
Tgt Ion	Ratio	Lower	Upper
82	100		
95	7.2	8.2	12.2#
138	12.6	10.7	16.1



#26
2-Nitrophenol
Concen: 13.52 ng
RT: 9.99 min Scan# 1218
Delta R.T. 0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

Tgt Ion	Ratio	Lower	Upper
139	100		
109	51.6	43.5	65.3
65	58.7	64.3	96.5#





#27

2,4-Dimethylphenol

Concen: 14.43 ng

RT: 10.05 min Scan# 1228

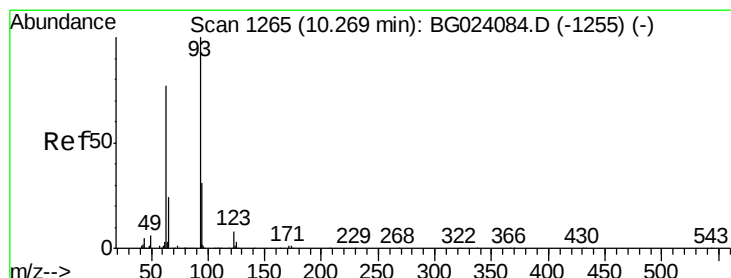
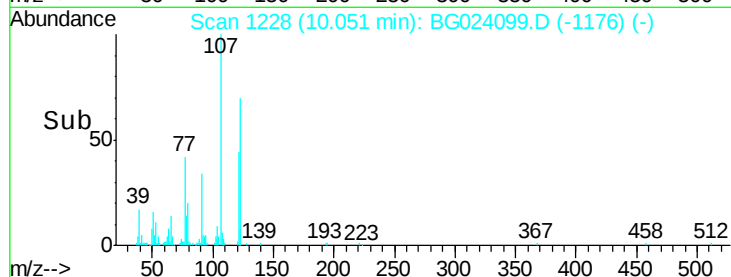
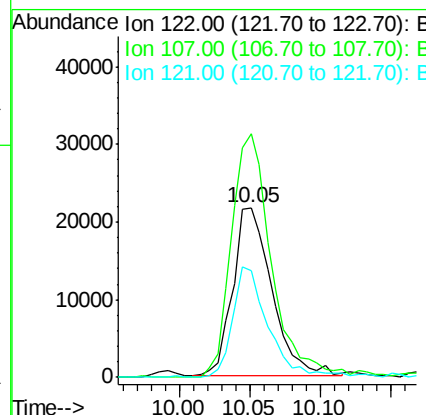
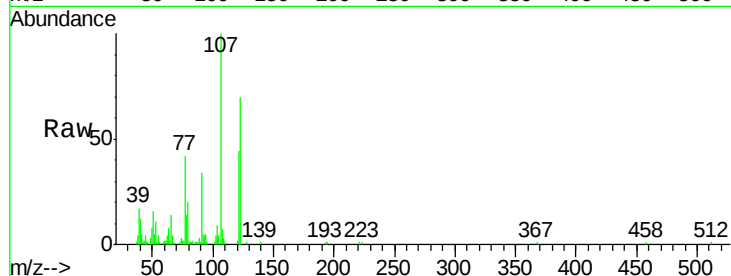
Delta R.T. 0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016--02-QT4

Tgt Ion	Ratio	Lower	Upper
122	100		
107	143.2	117.0	175.4
121	62.6	50.1	75.1



#28

bis(2-Chloroethoxy)methane

Concen: 14.13 ng

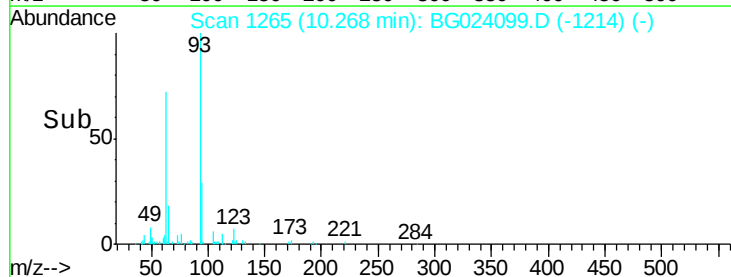
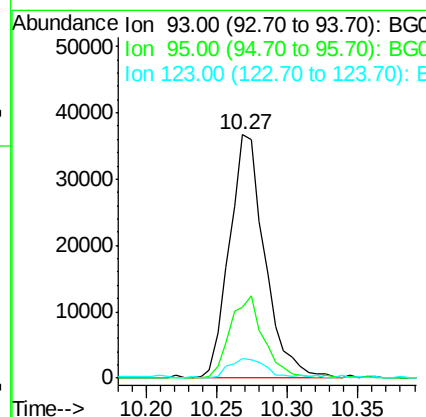
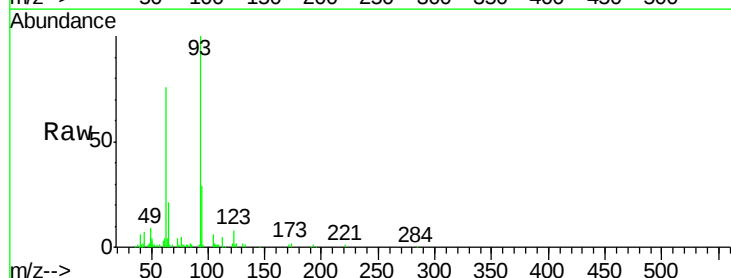
RT: 10.27 min Scan# 1265

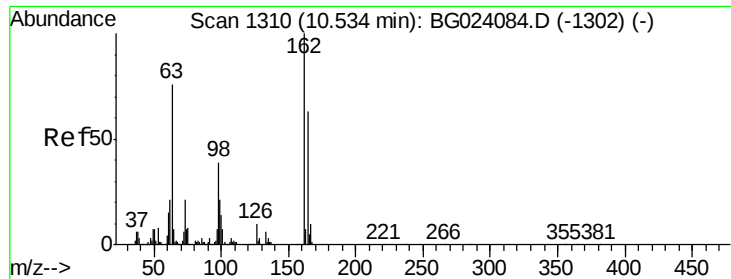
Delta R.T. -0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	28.9	25.4	38.2
123	7.9	8.2	12.2#

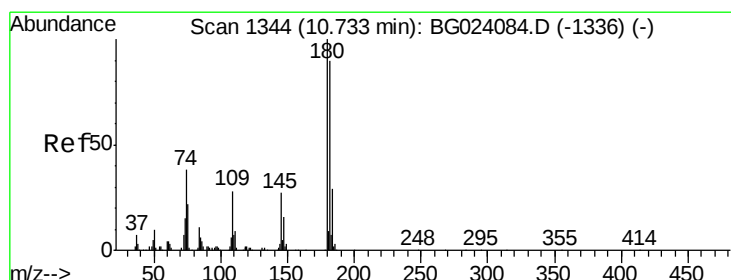
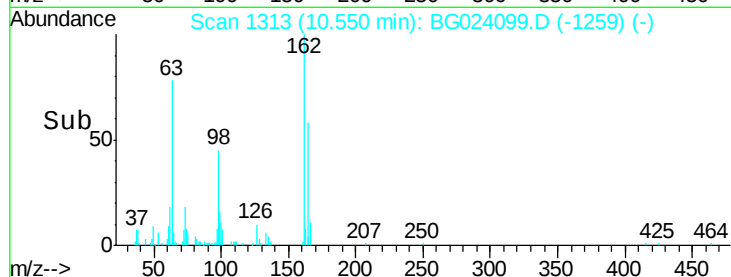
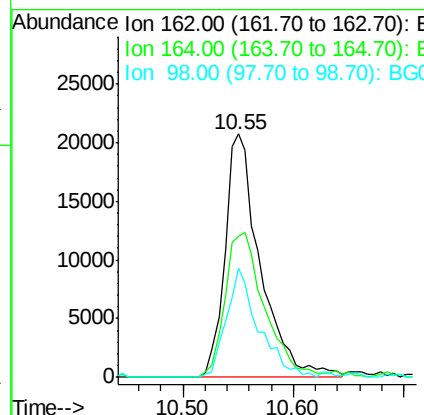
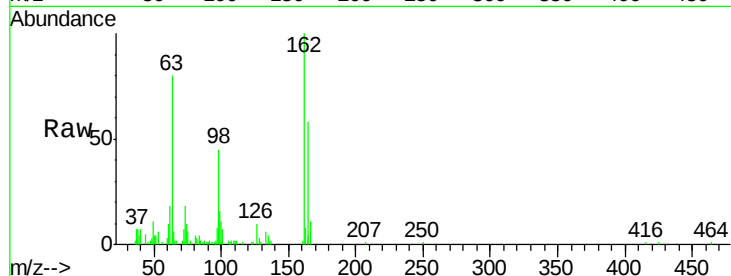




#29
 2,4-Dichlorophenol
 Concen: 15.21 ng
 RT: 10.55 min Scan# 1313
 Delta R.T. 0.02 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

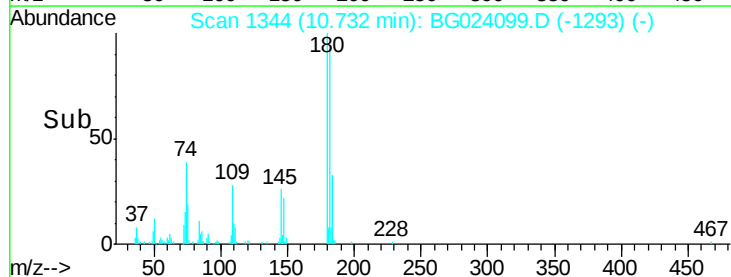
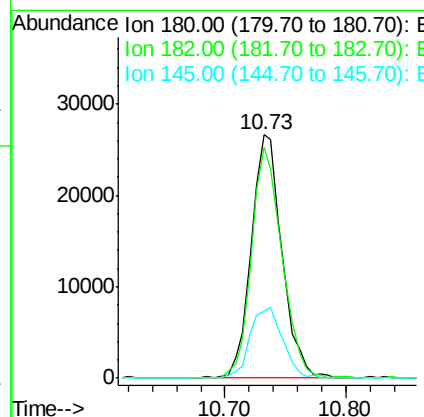
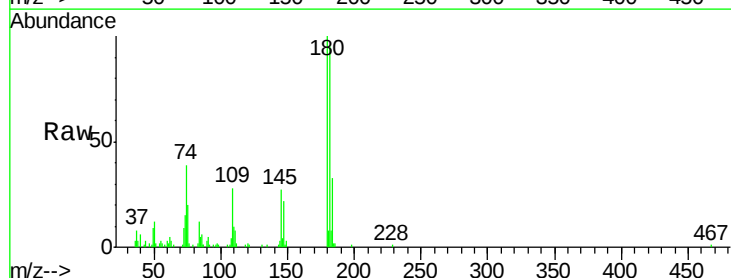
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

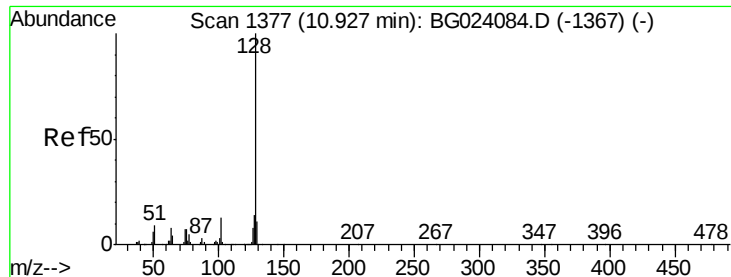
Tgt Ion	Ratio	Lower	Upper
162	100		
164	58.1	44.3	84.3
98	44.7	19.5	59.5



#30
 1,2,4-Trichlorobenzene
 Concen: 14.49 ng
 RT: 10.73 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	73.8	110.8
145	27.4	24.4	36.6

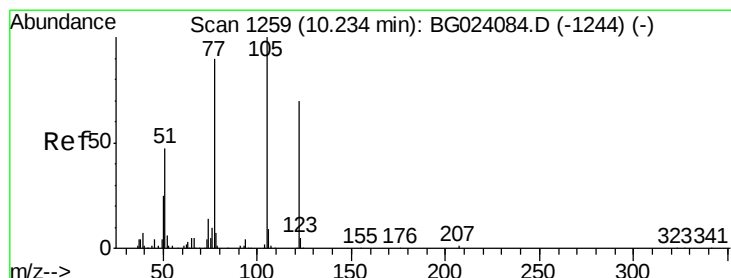
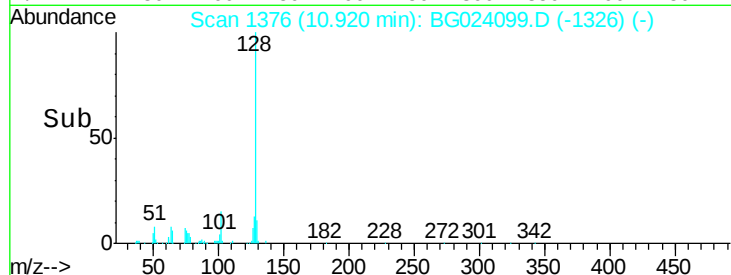
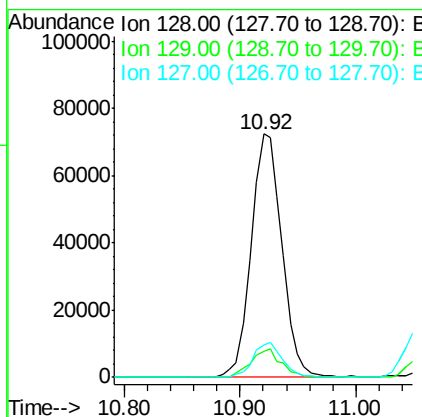
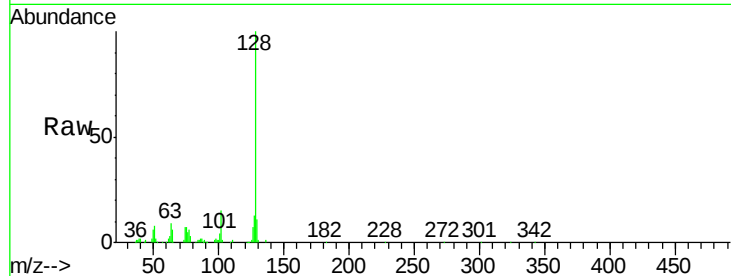




#31
Naphthalene
Concen: 14.60 ng
RT: 10.92 min Scan# 1376
Delta R.T. -0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

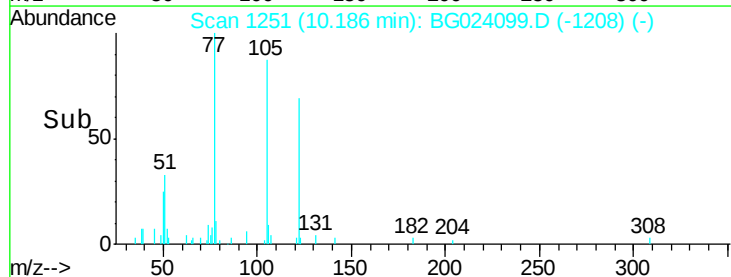
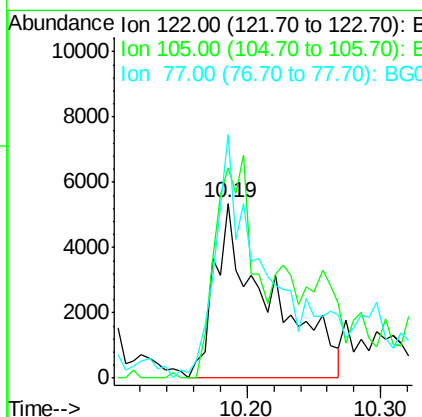
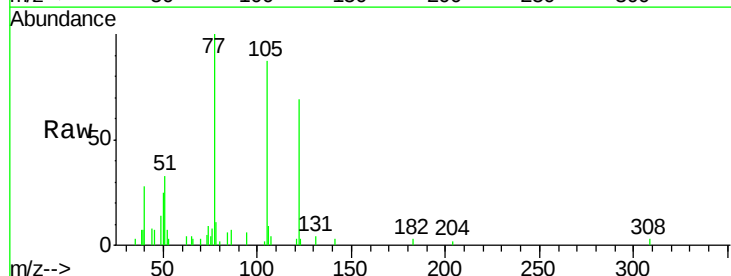
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016--02-QT4

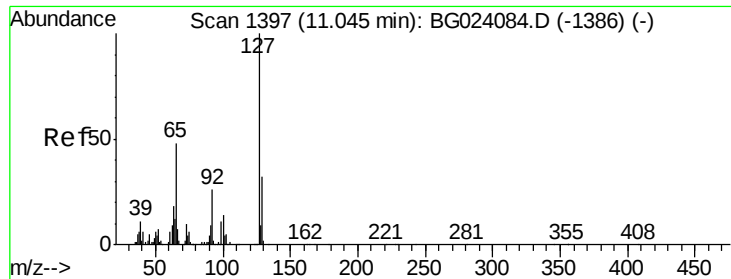
Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.4	14.0
127	13.1	11.3	16.9



#32
Benzoic acid
Concen: 9.22 ng
RT: 10.19 min Scan# 1251
Delta R.T. -0.05 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

Tgt Ion	Ratio	Lower	Upper
122	100		
105	120.8	117.2	157.2
77	139.5	109.2	149.2

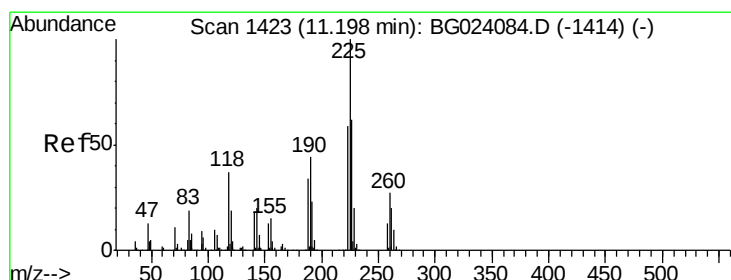
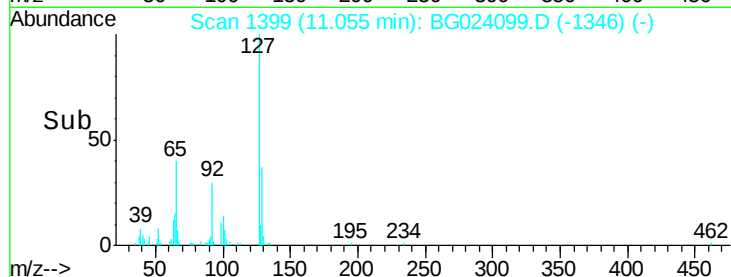
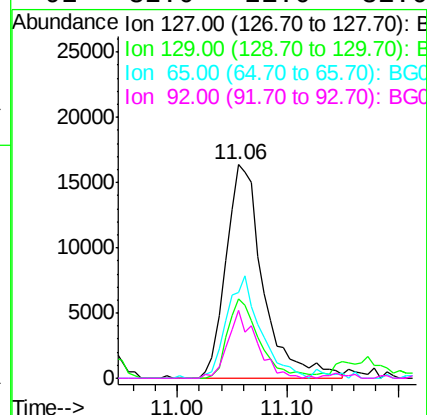
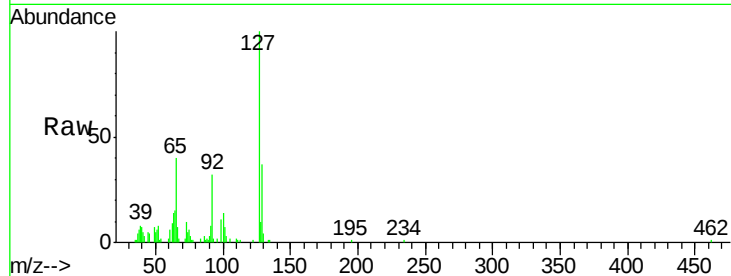




#33
4-Chloroaniline
Concen: 9.40 ng
RT: 11.06 min Scan# 1399
Delta R.T. 0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

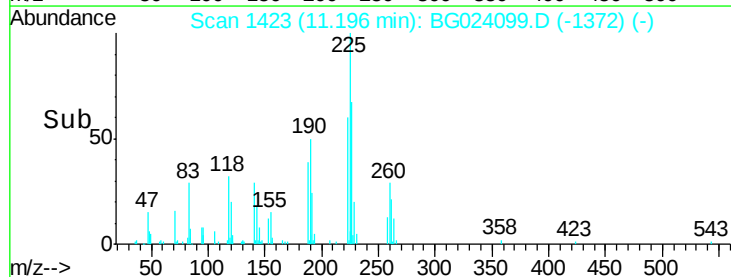
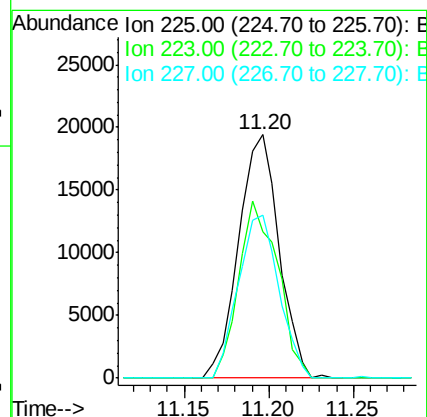
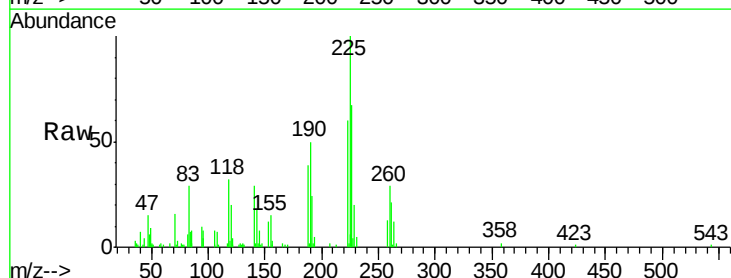
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016--02-QT4

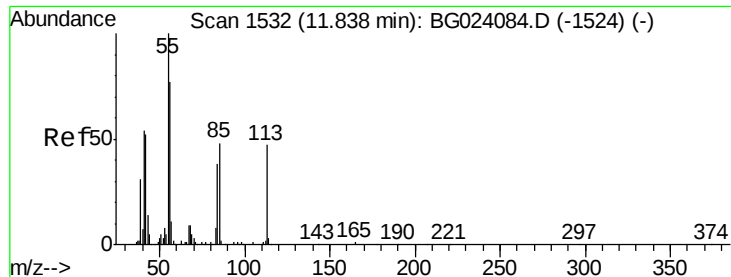
Tgt Ion:	127	Resp:	38483
Ion	Ratio	Lower	Upper
127	100		
129	36.9	27.9	41.9
65	40.3	36.8	55.2
92	32.0	21.0	31.6#



#34
Hexachlorobutadiene
Concen: 12.62 ng
RT: 11.20 min Scan# 1423
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

Tgt Ion:	225	Resp:	32306
Ion	Ratio	Lower	Upper
225	100		
223	60.2	49.6	74.4
227	67.1	54.5	81.7





#35

Caprolactam

Concen: 15.74 ng

RT: 11.82 min Scan# 1529

Delta R.T. -0.02 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016--02-QT4

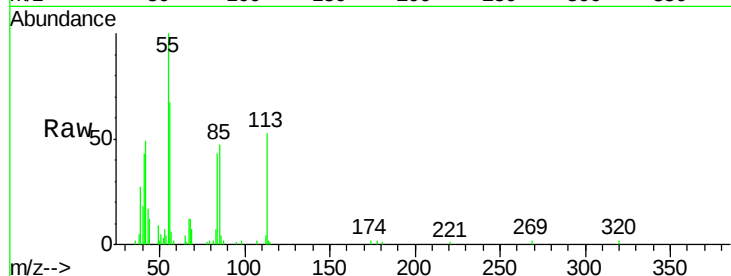
Tgt Ion:113 Resp: 19450

Ion Ratio Lower Upper

113 100

55 187.9 154.5 194.5

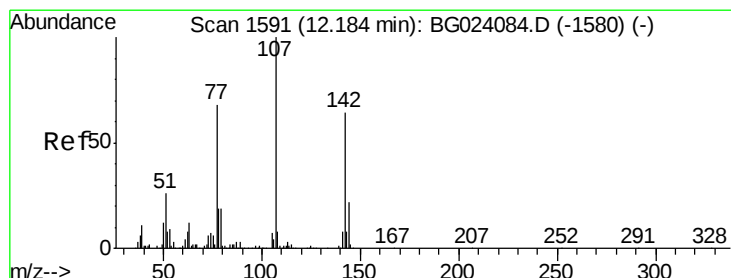
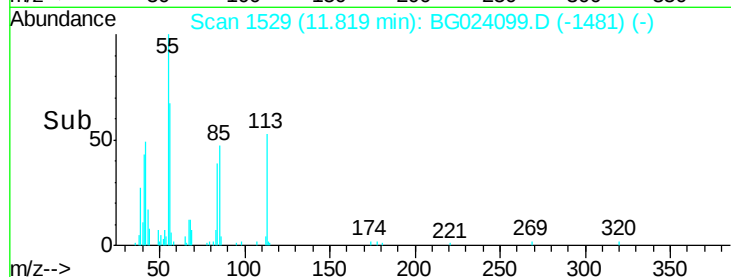
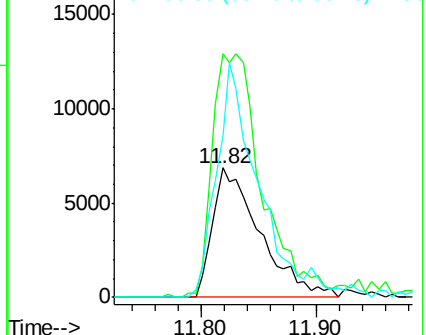
56 125.1 125.1 165.1



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 14.10 ng

RT: 12.19 min Scan# 1593

Delta R.T. 0.01 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

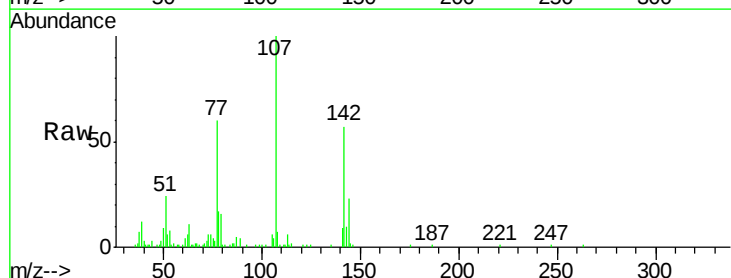
Tgt Ion:107 Resp: 60305

Ion Ratio Lower Upper

107 100

144 23.3 17.0 25.6

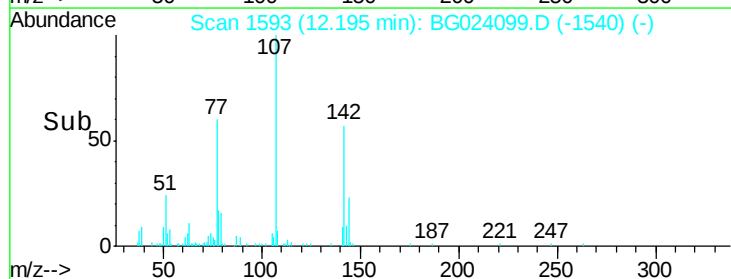
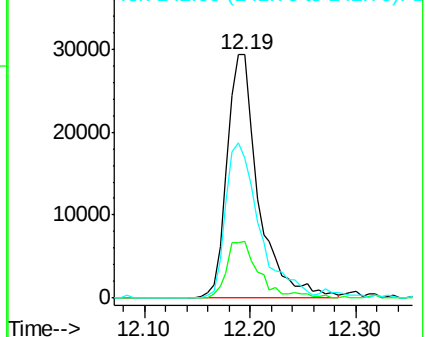
142 57.2 53.0 79.6

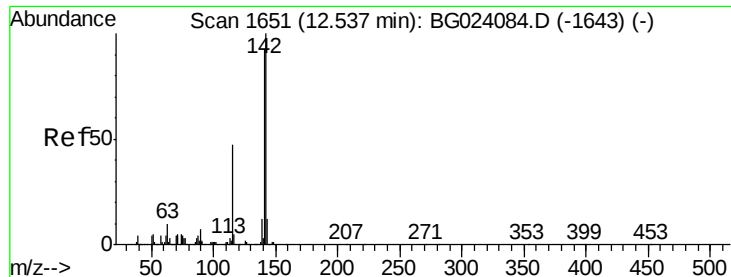


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

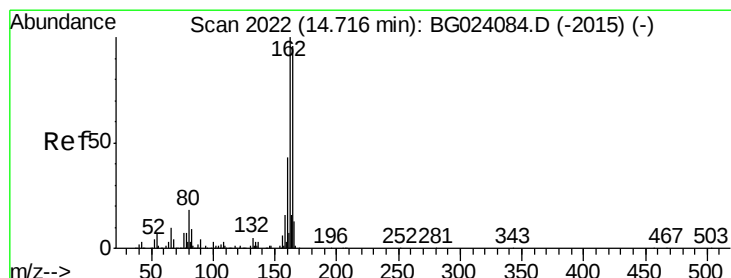
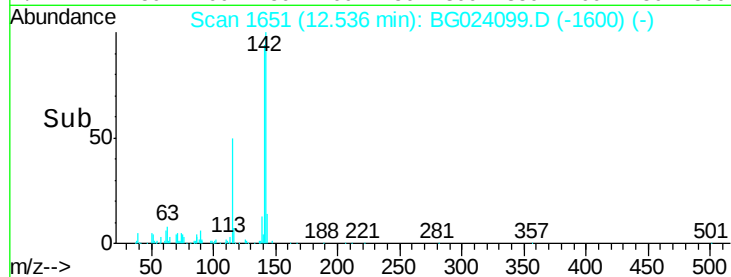
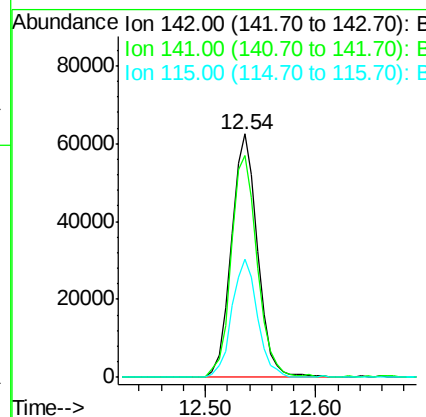
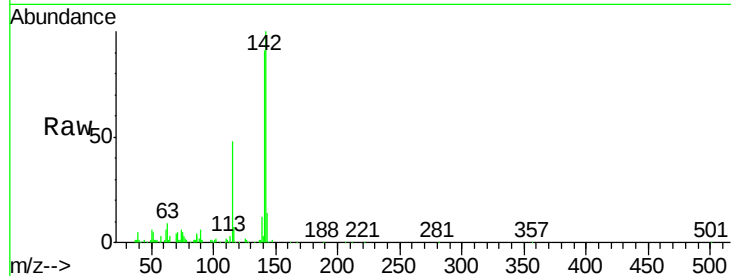




#37
2-Methylnaphthalene
Concen: 14.82 ng
RT: 12.54 min Scan# 1651
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

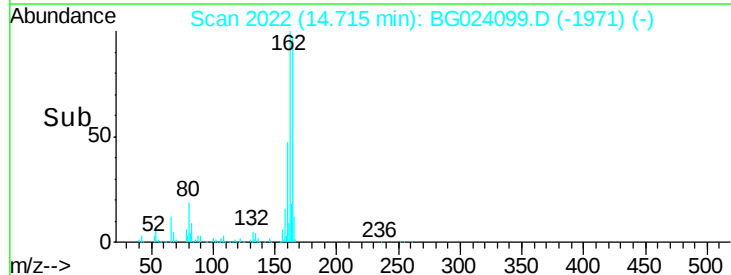
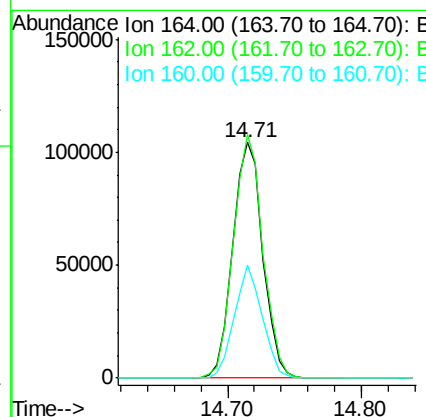
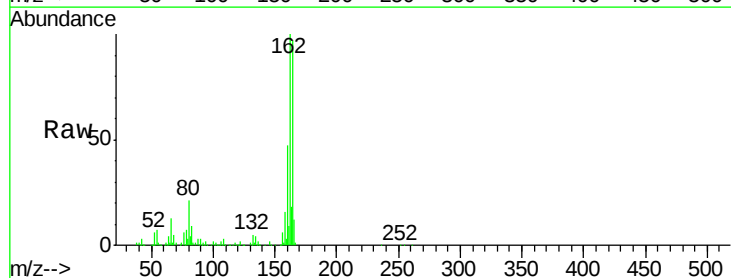
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016--02-QT4

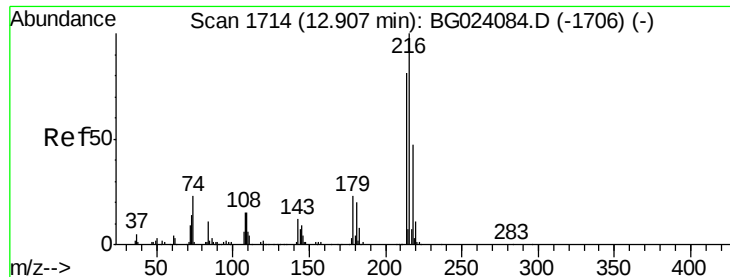
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.0	70.2	105.2
115	48.5	41.7	62.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.71 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	87.7	131.5
160	48.2	37.2	55.8

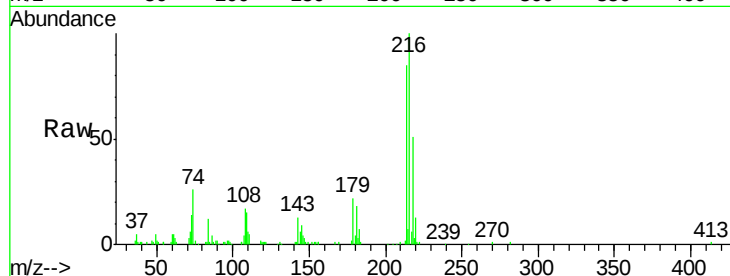




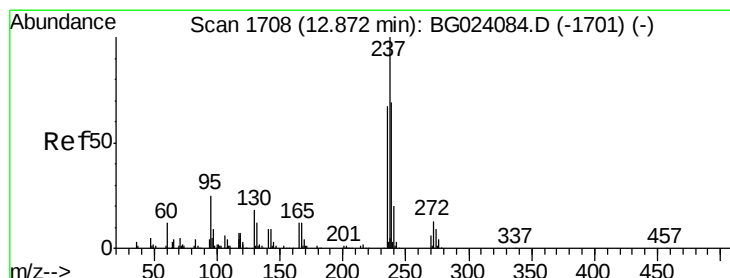
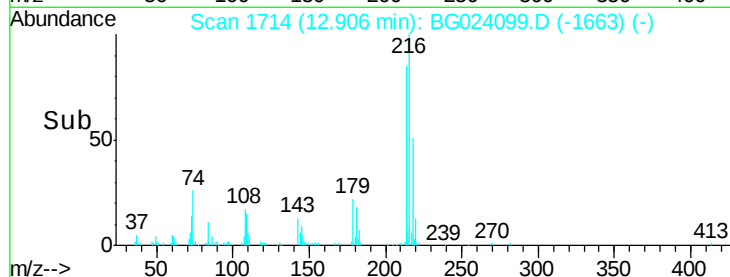
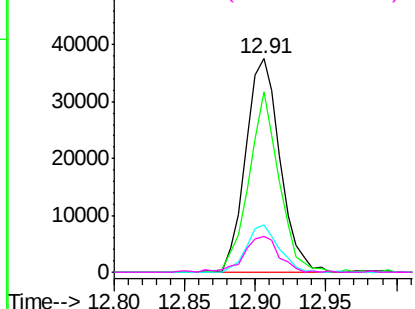
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 13.39 ng
 RT: 12.91 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

Tgt Ion:	216	Resp:	63911
Ion	Ratio	Lower	Upper
216	100		
214	74.4	62.9	94.3
179	20.4	17.2	25.8
108	17.3	16.3	24.5

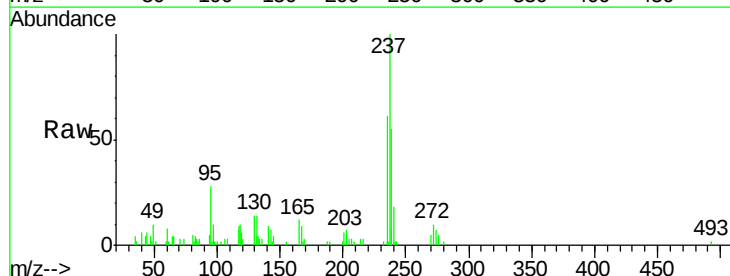


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

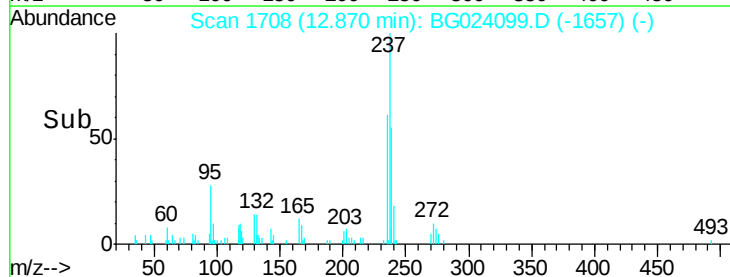
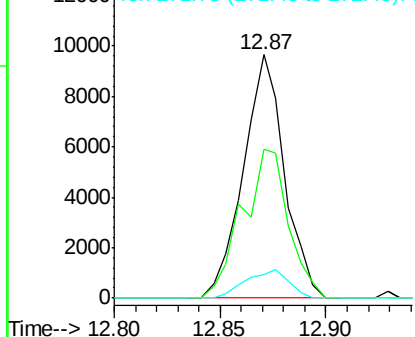


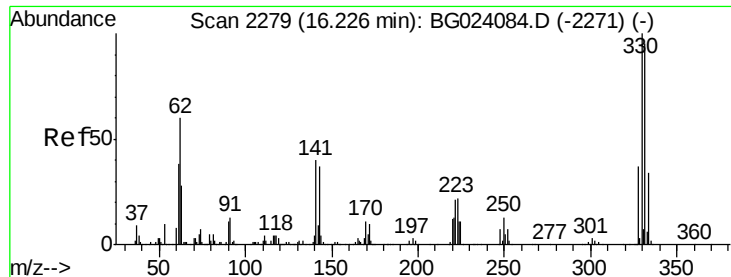
#40
 Hexachlorocyclopentadiene
 Concen: 10.94 ng
 RT: 12.87 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

Tgt Ion:	237	Resp:	13060
Ion	Ratio	Lower	Upper
237	100		
235	61.4	43.1	83.1
272	9.8	0.0	30.9



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

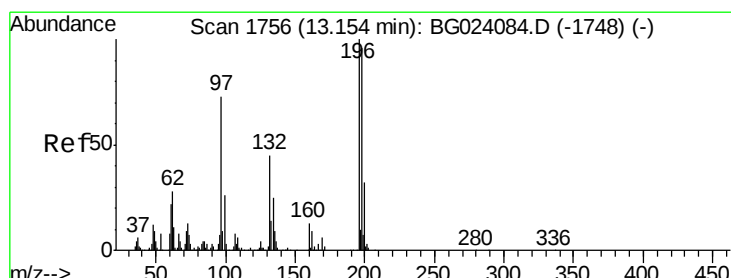
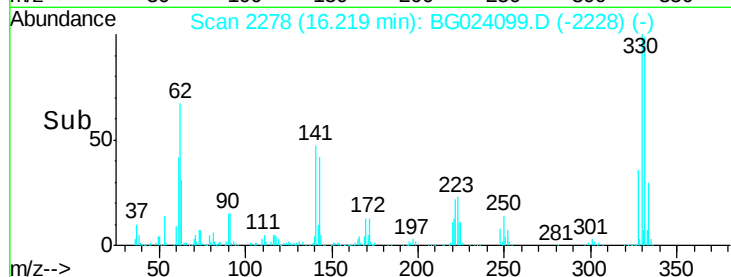
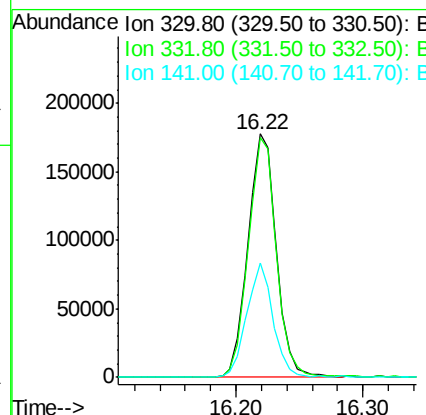
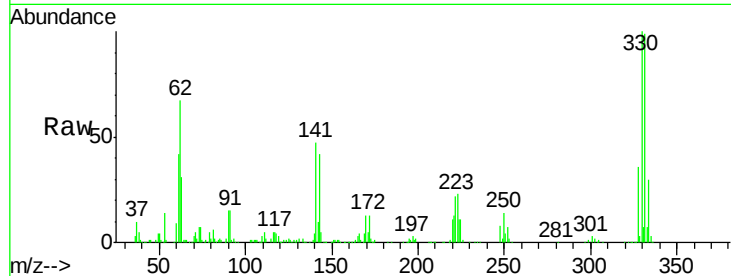




#41
 2,4,6-Tribromophenol
 Concen: 117.35 ng
 RT: 16.22 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

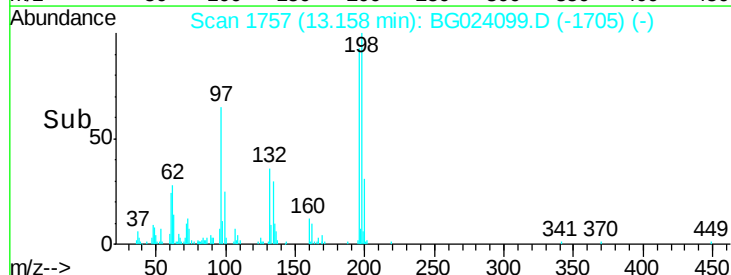
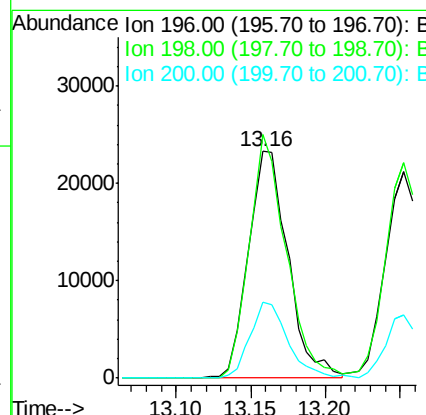
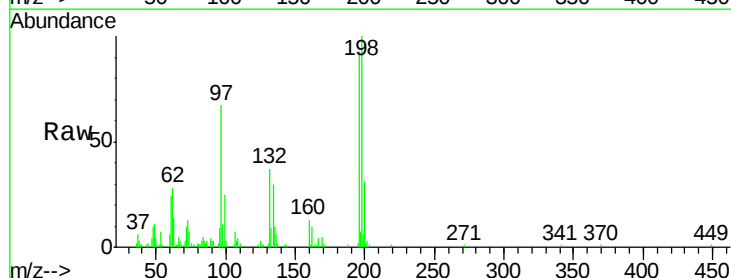
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

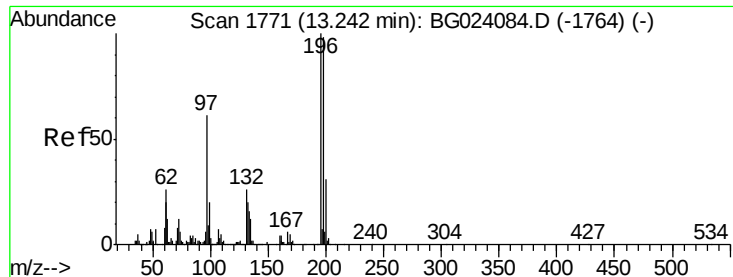
Tgt Ion:330 Resp: 275787
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.4 116.2
 141 43.5 31.7 47.5



#42
 2,4,6-Trichlorophenol
 Concen: 13.84 ng
 RT: 13.16 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

Tgt Ion:196 Resp: 42720
 Ion Ratio Lower Upper
 196 100
 198 107.3 78.2 117.2
 200 33.5 27.0 40.4

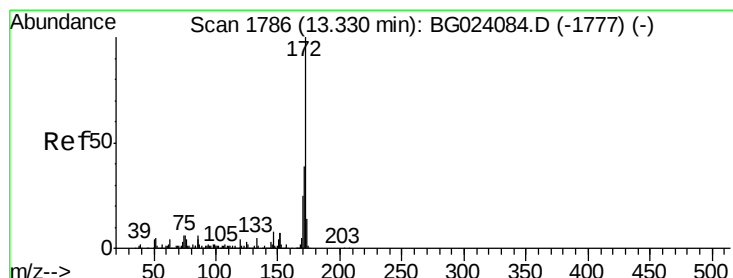
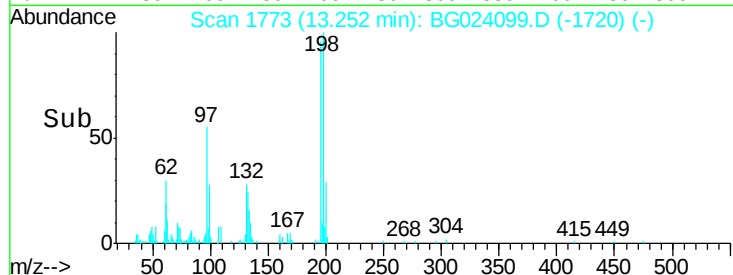
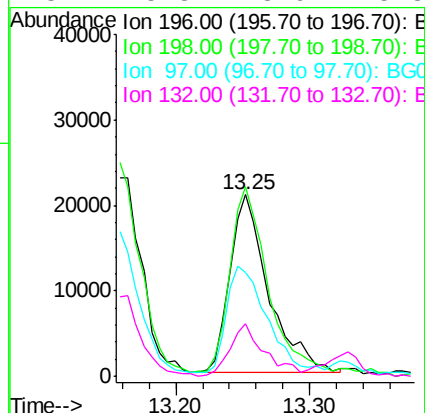
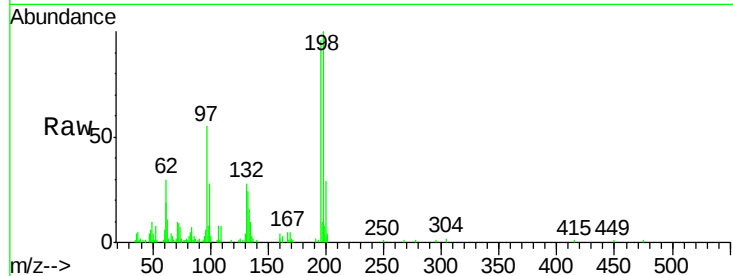




#43
 2,4,5-Trichlorophenol
 Concen: 13.30 ng
 RT: 13.25 min Scan# 1773
 Delta R.T. 0.01 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

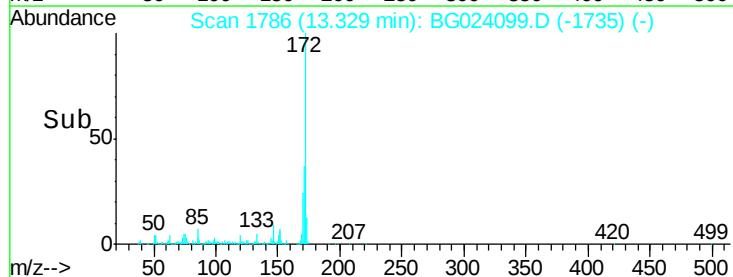
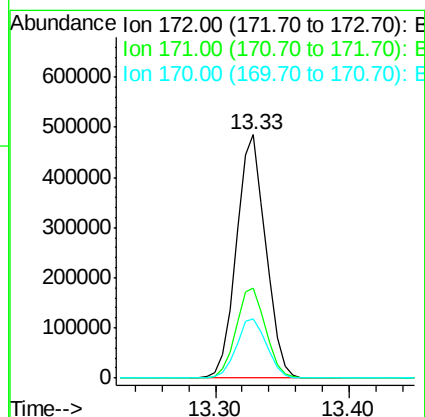
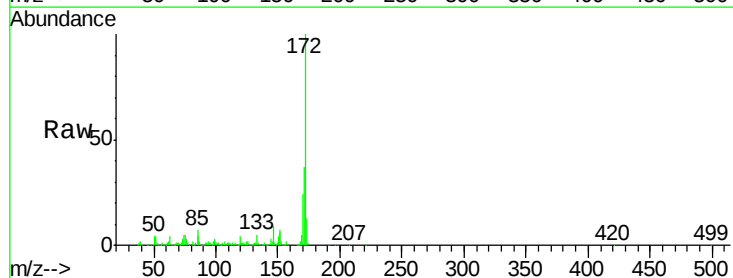
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

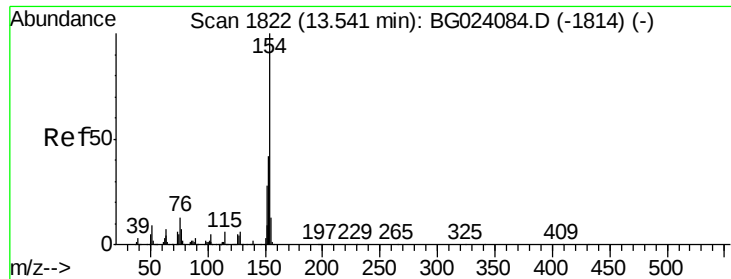
Tgt Ion:196 Resp: 42243
 Ion Ratio Lower Upper
 196 100
 198 104.1 85.7 128.5
 97 57.3 45.5 68.3
 132 28.8 18.9 28.3#



#44
 2-Fluorobiphenyl
 Concen: 75.66 ng
 RT: 13.33 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

Tgt Ion:172 Resp: 735961
 Ion Ratio Lower Upper
 172 100
 171 36.9 31.6 47.4
 170 24.5 21.3 31.9

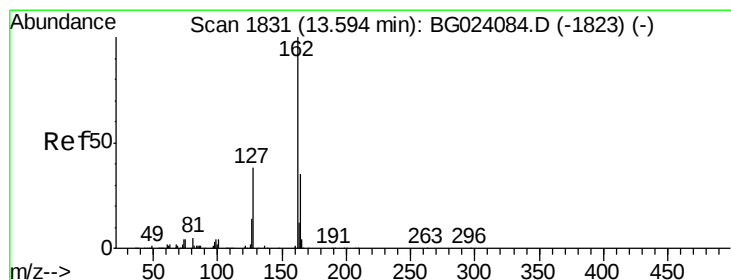
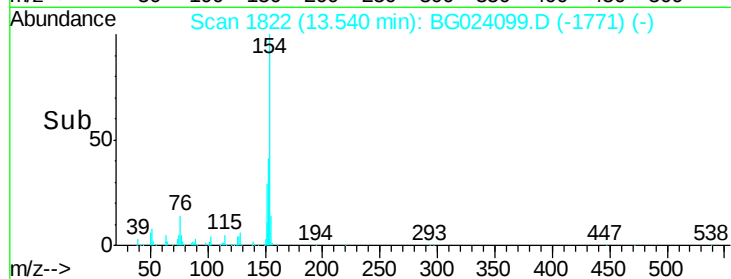
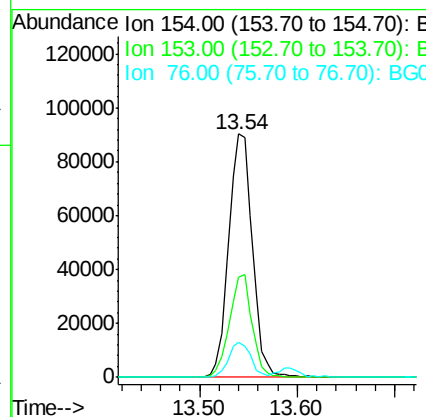
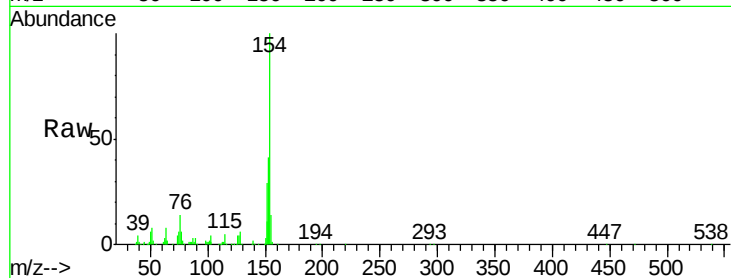




#45
 1,1'-Biphenyl
 Concen: 13.60 ng
 RT: 13.54 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

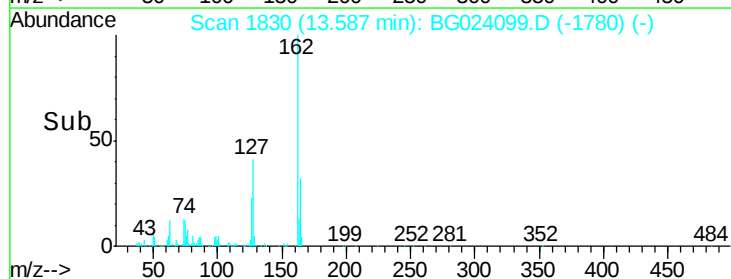
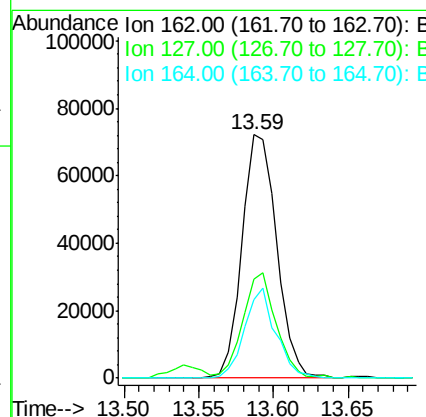
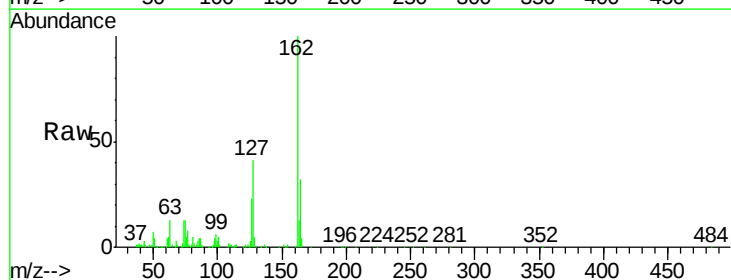
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

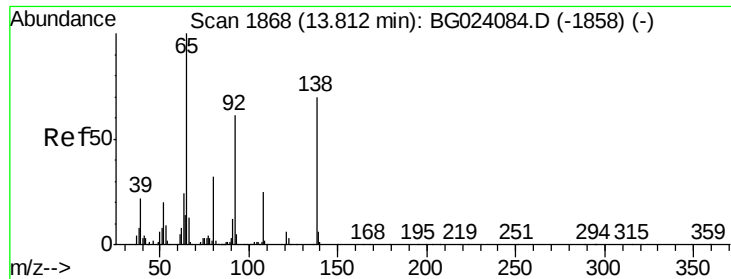
Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.4	20.2	60.2
76	14.4	0.0	32.9



#46
 2-Chloronaphthalene
 Concen: 13.96 ng
 RT: 13.59 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

Tgt Ion	Ratio	Lower	Upper
162	100		
127	40.7	32.4	48.6
164	32.0	25.2	37.8





#47

2-Nitroaniline

Concen: 13.71 ng

RT: 13.82 min Scan# 1869

Delta R.T. 0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

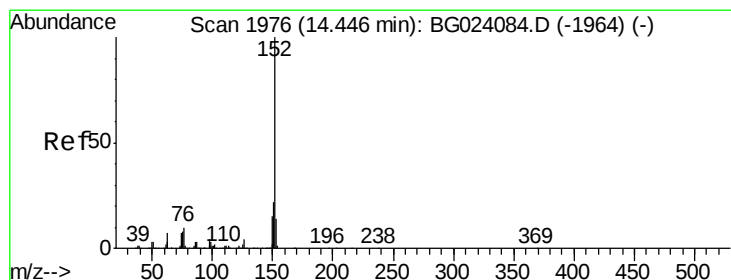
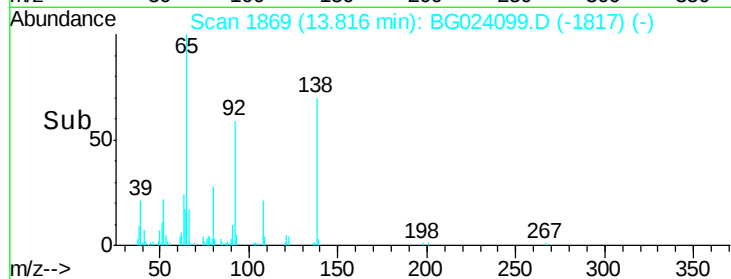
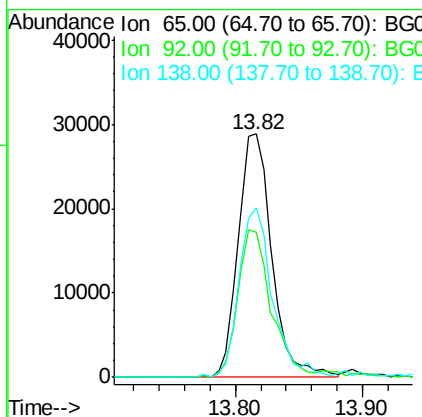
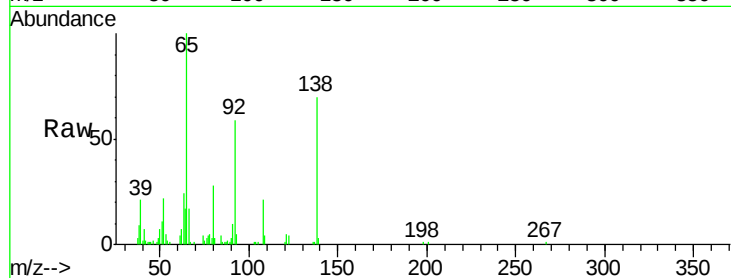
Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:	65	Resp:	53237
Ion	Ratio	Lower	Upper
65	100		
92	59.5	49.4	74.0
138	69.8	58.0	87.0



#48

Acenaphthylene

Concen: 14.10 ng

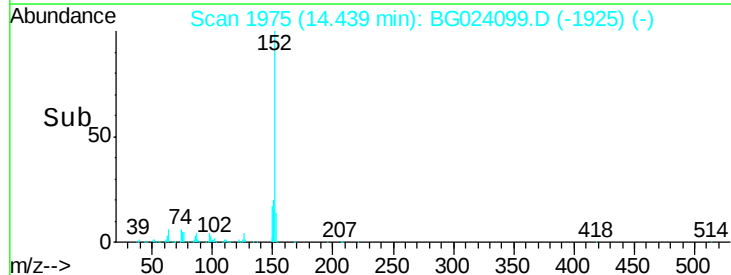
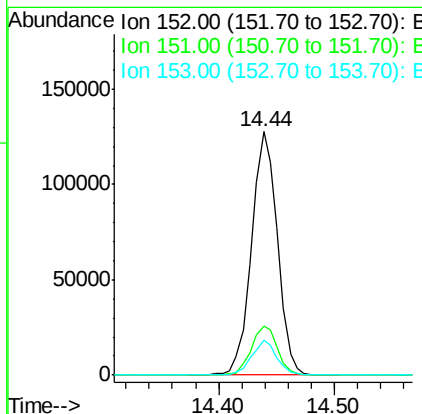
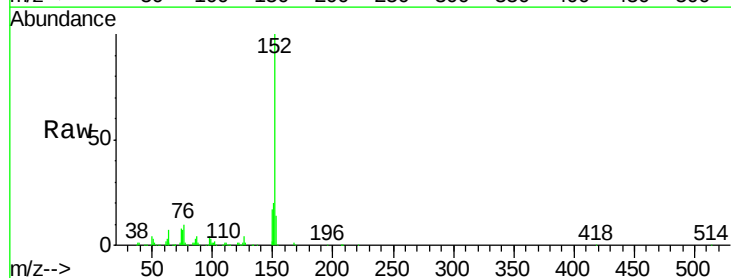
RT: 14.44 min Scan# 1975

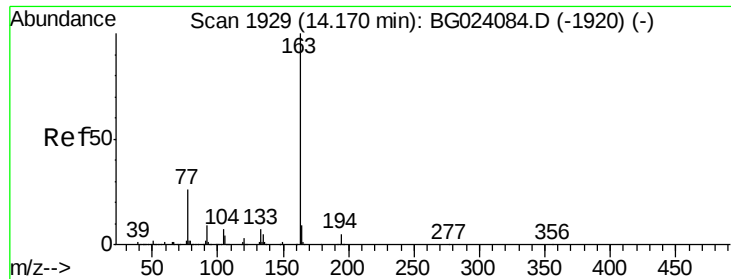
Delta R.T. -0.01 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

Tgt Ion:	152	Resp:	199796
Ion	Ratio	Lower	Upper
152	100		
151	20.3	17.6	26.4
153	14.4	11.4	17.2





#49

Dimethylphthalate

Concen: 14.26 ng

RT: 14.16 min Scan# 1928

Delta R.T. -0.01 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

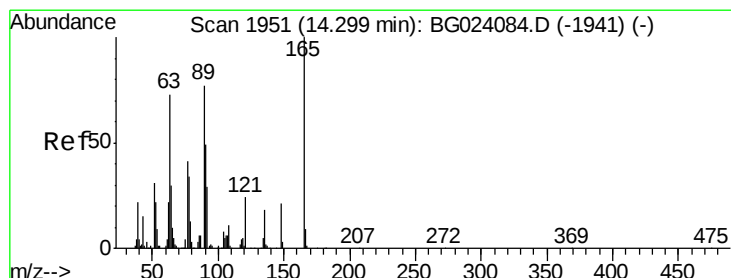
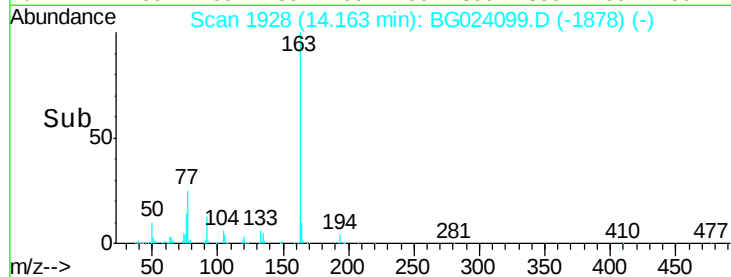
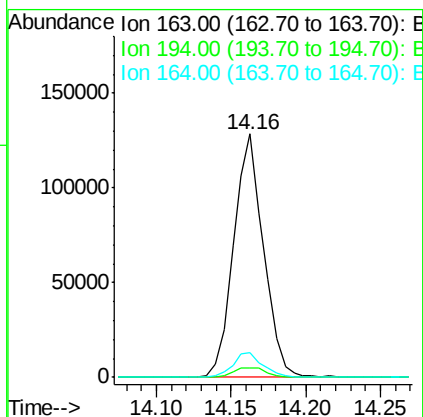
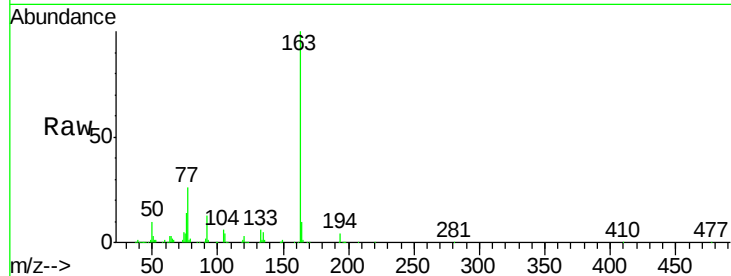
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016--02-QT4

Tgt Ion:	163	Resp:	178921
Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.6	5.4
164	10.1	8.1	12.1



#50

2,6-Dinitrotoluene

Concen: 14.97 ng

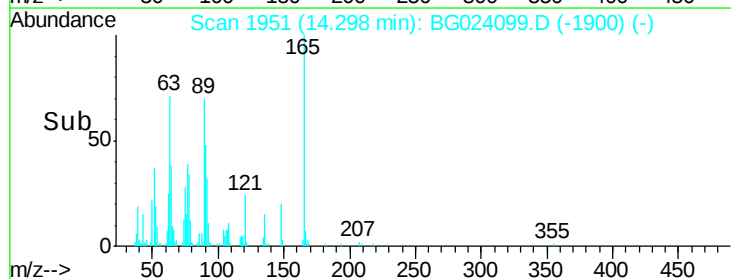
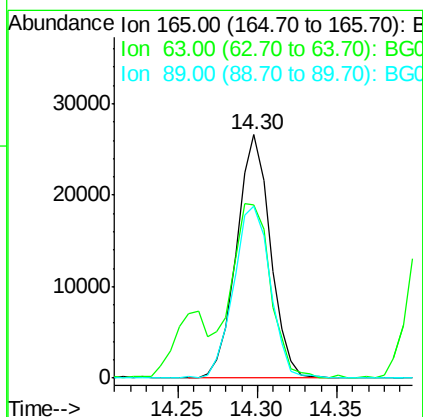
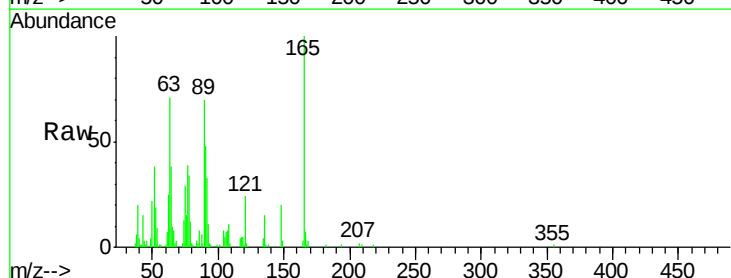
RT: 14.30 min Scan# 1951

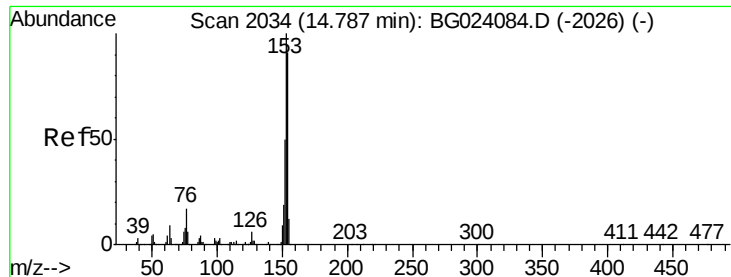
Delta R.T. -0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

Tgt Ion:	165	Resp:	39450
Ion	Ratio	Lower	Upper
165	100		
63	71.3	64.3	96.5
89	70.4	64.3	96.5





#51

Acenaphthene

Concen: 14.61 ng

RT: 14.78 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016--02-QT4

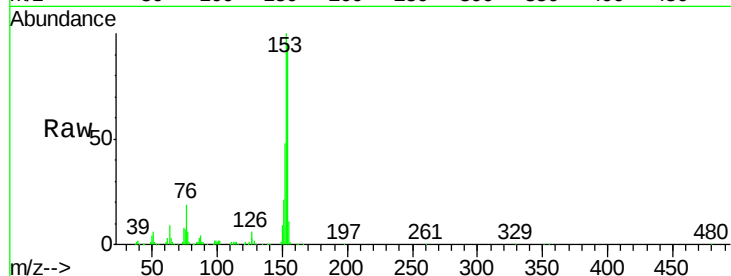
Tgt Ion:154 Resp: 125538

Ion Ratio Lower Upper

154 100

153 104.9 87.5 131.3

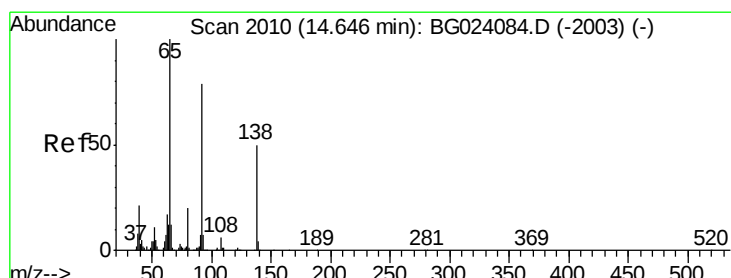
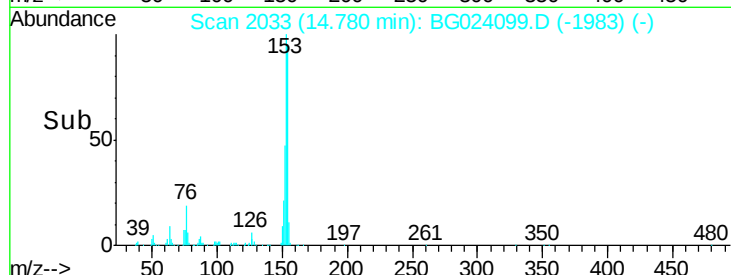
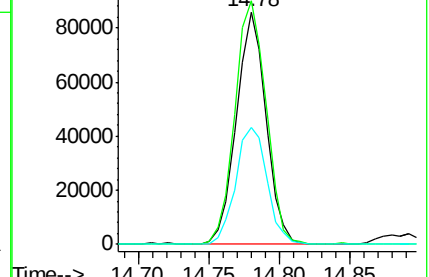
152 50.1 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 10.60 ng

RT: 14.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

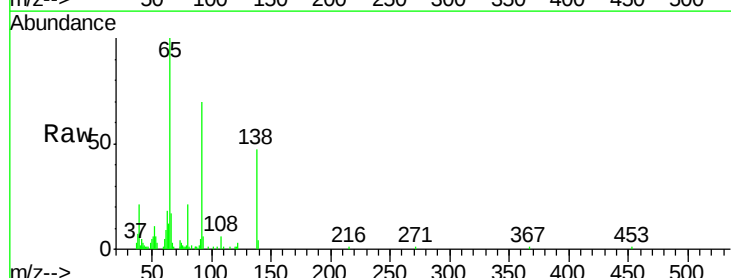
Tgt Ion:138 Resp: 27889

Ion Ratio Lower Upper

138 100

108 11.8 11.7 17.5

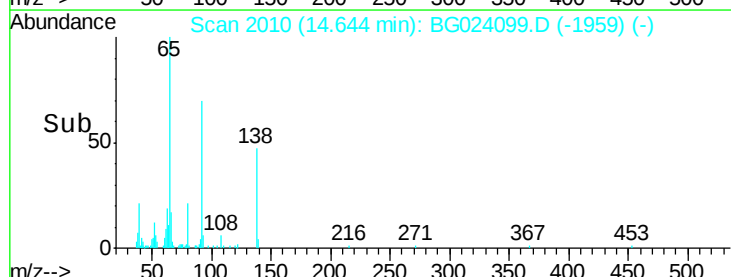
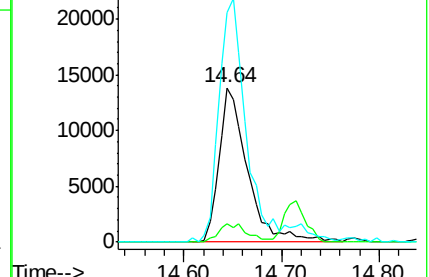
92 148.7 129.7 194.5

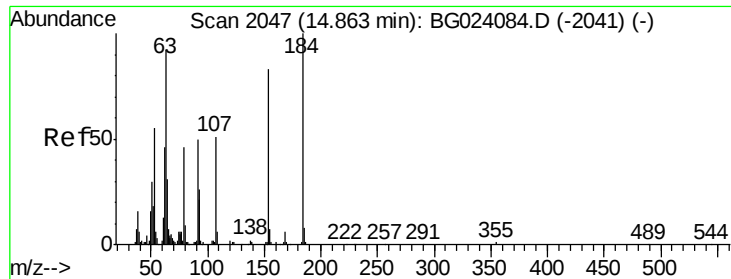


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

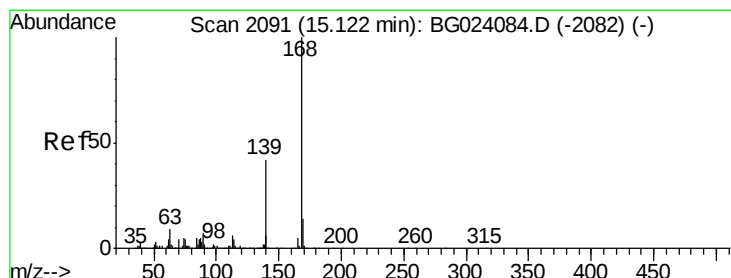
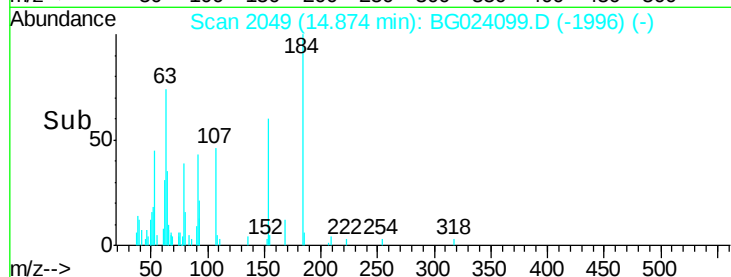
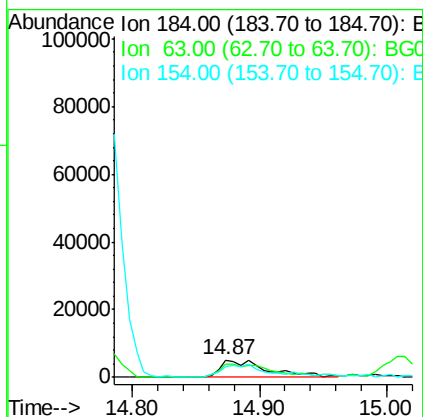
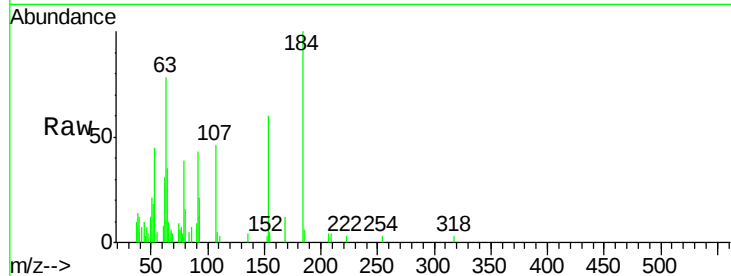




#53
2,4-Dinitrophenol
Concen: 11.38 ng
RT: 14.87 min Scan# 2049
Delta R.T. 0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

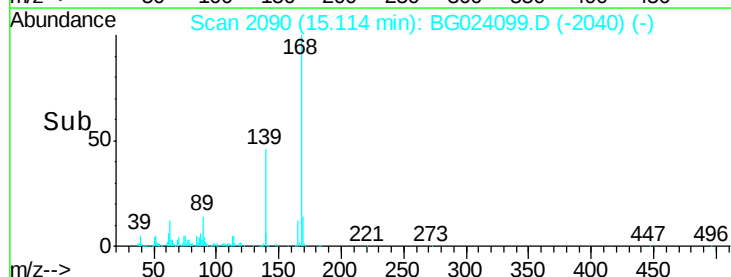
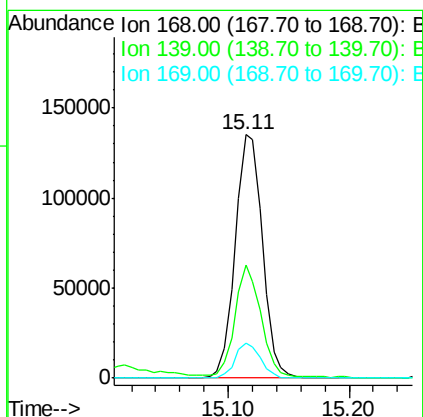
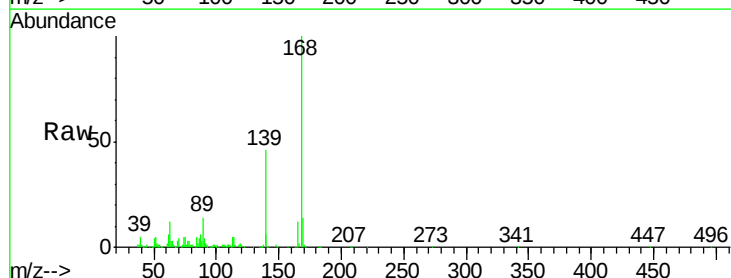
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016--02-QT4

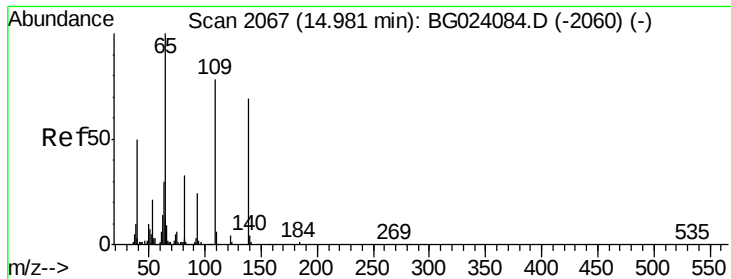
Tgt Ion:184 Resp: 13196
Ion Ratio Lower Upper
184 100
63 78.4 59.6 89.4
154 60.1 67.4 101.0#



#54
Dibenzofuran
Concen: 15.92 ng
RT: 15.11 min Scan# 2090
Delta R.T. -0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

Tgt Ion:168 Resp: 212994
Ion Ratio Lower Upper
168 100
139 46.2 36.4 54.6
169 14.2 11.9 17.9

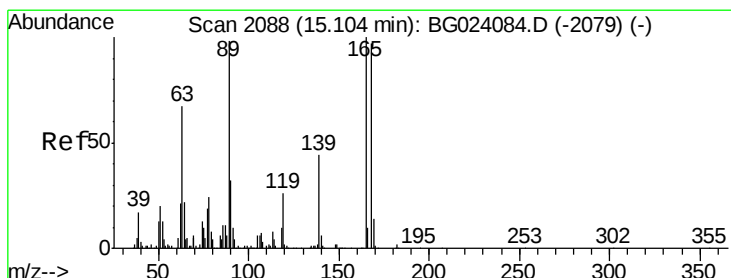
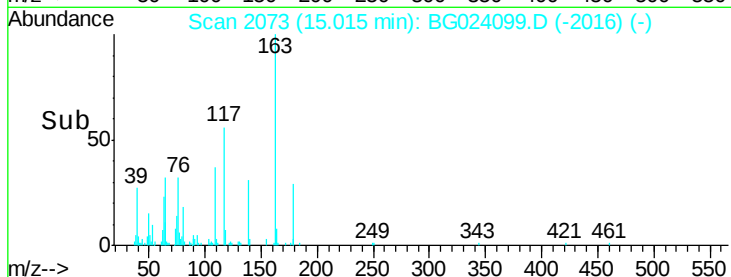
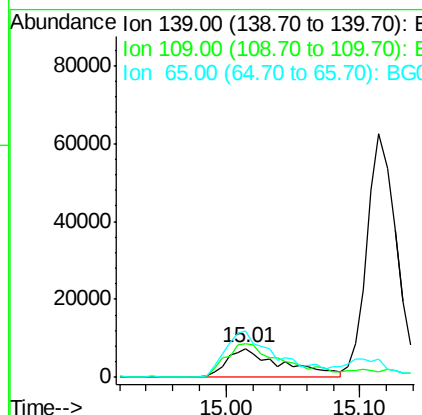
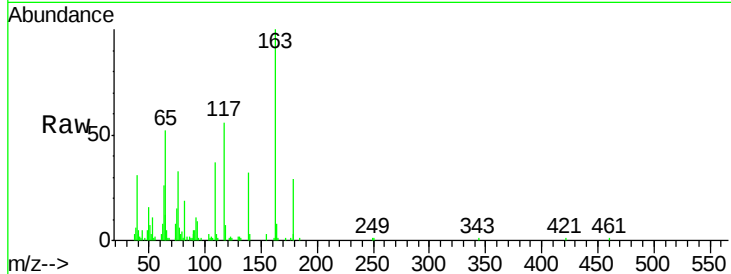




#55
4-Nitrophenol
Concen: 15.06 ng
RT: 15.01 min Scan# 2073
Delta R.T. 0.03 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

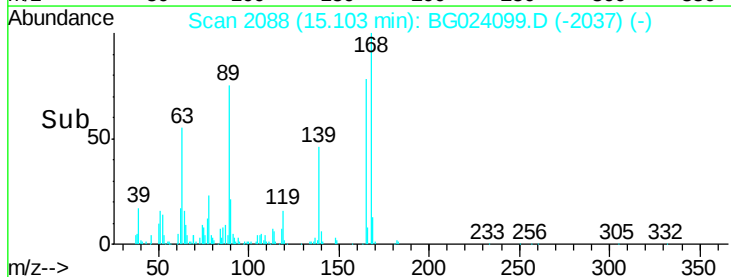
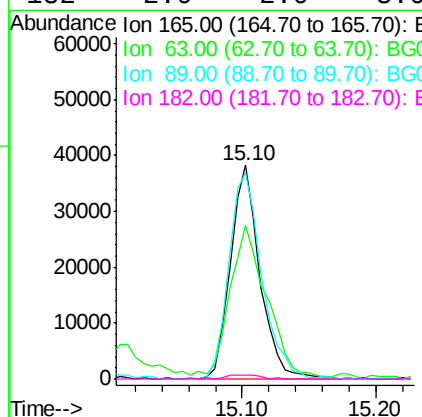
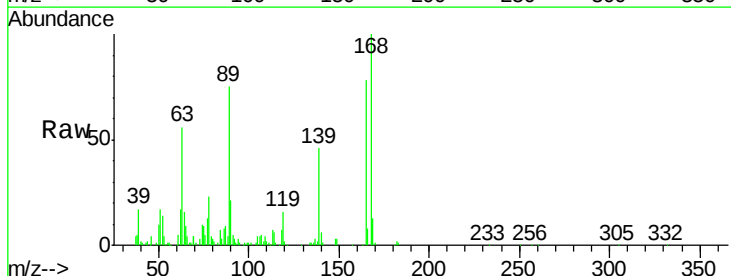
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016--02-QT4

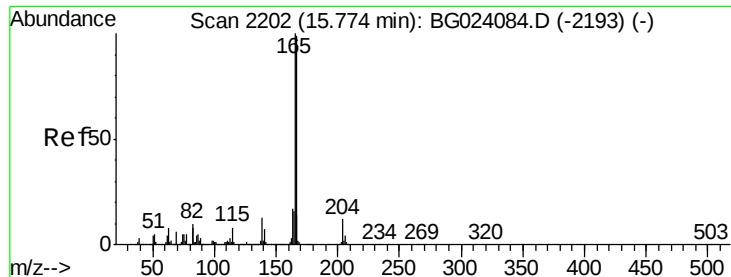
Tgt Ion:139 Resp: 21762
Ion Ratio Lower Upper
139 100
109 115.9 103.0 143.0
65 164.5 112.7 152.7#



#56
2,4-Dinitrotoluene
Concen: 14.66 ng
RT: 15.10 min Scan# 2088
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

Tgt Ion:165 Resp: 58791
Ion Ratio Lower Upper
165 100
63 71.7 45.8 68.6#
89 96.6 68.6 102.8
182 2.0 2.0 3.0#





#57

Fluorene

Concen: 15.06 ng

RT: 15.77 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016--02-QT4

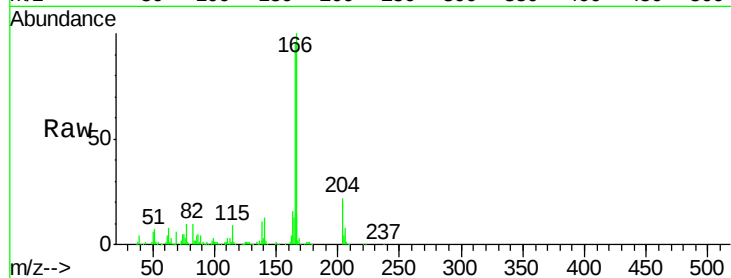
Tgt Ion:166 Resp: 175373

Ion Ratio Lower Upper

166 100

165 95.6 81.0 121.6

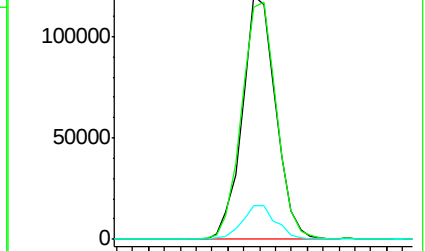
167 13.7 12.0 18.0



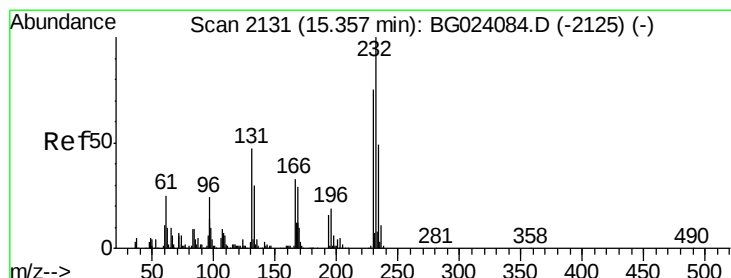
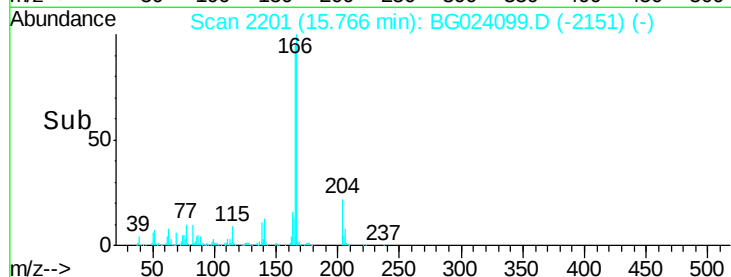
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#58

2,3,4,6-Tetrachlorophenol

Concen: 16.40 ng

RT: 15.36 min Scan# 2131

Delta R.T. -0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

Tgt Ion:232 Resp: 50307

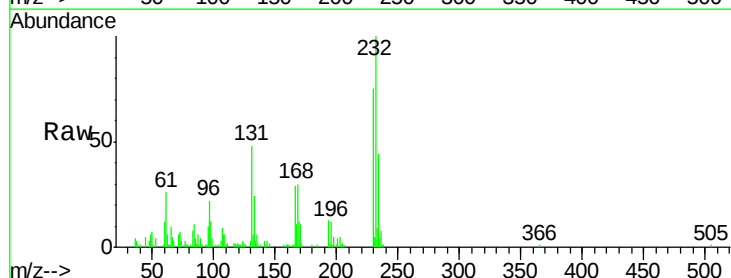
Ion Ratio Lower Upper

232 100

131 46.5 32.7 49.1

130 2.8 2.6 3.8

166 29.3 23.0 34.6

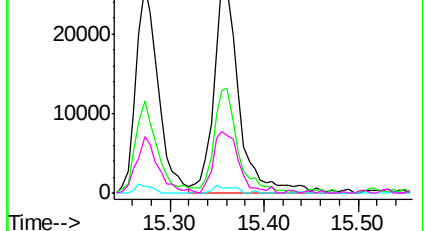


Abundance Ion 232.00 (231.70 to 232.70): E

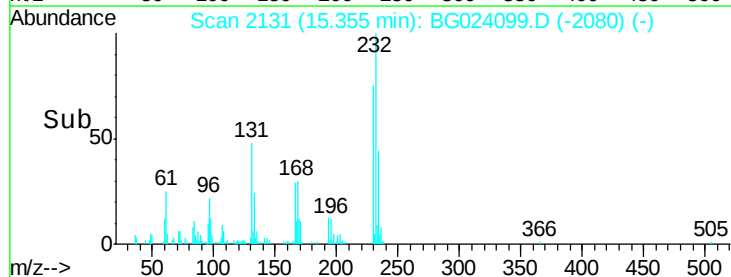
Ion 131.00 (130.70 to 131.70): E

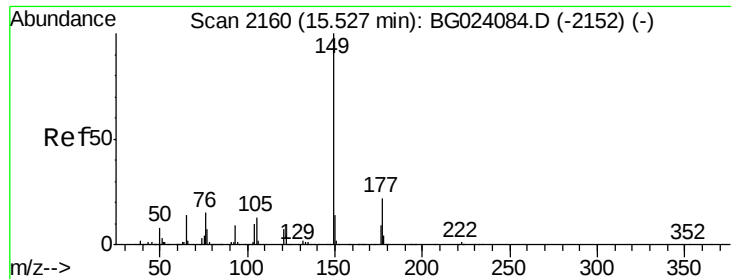
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



Time-->

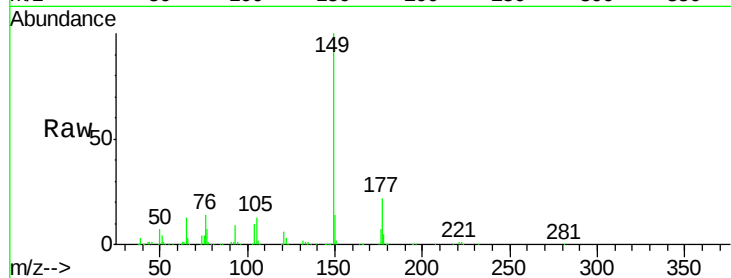




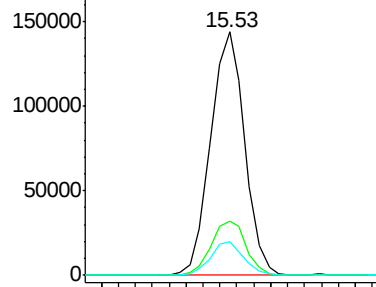
#59
Diethylphthalate
Concen: 14.94 ng
RT: 15.53 min Scan# 2160
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016--02-QT4

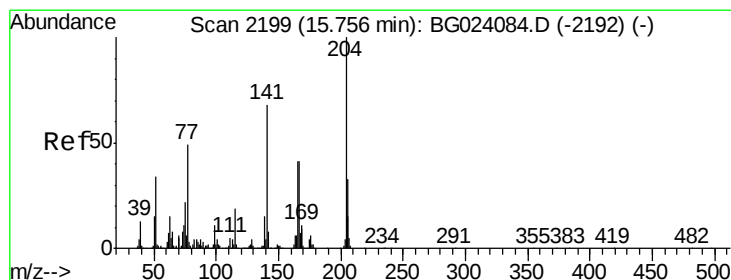
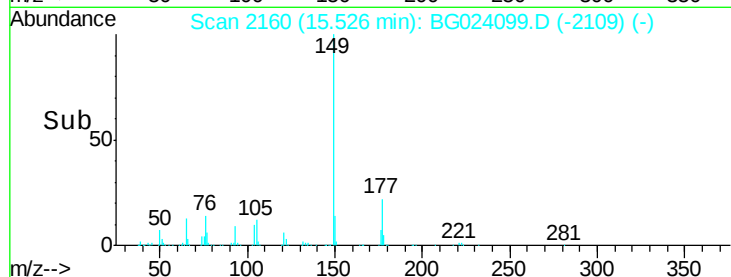
Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.4	19.2	28.8
150	13.9	10.6	16.0



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

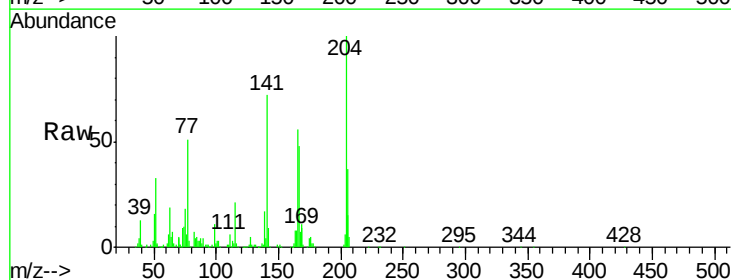


Time--> 15.45 15.50 15.55 15.60

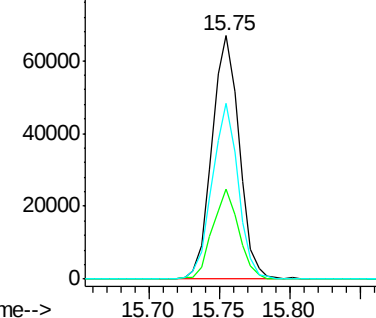


#60
4-Chlorophenyl-phenylether
Concen: 14.48 ng
RT: 15.75 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

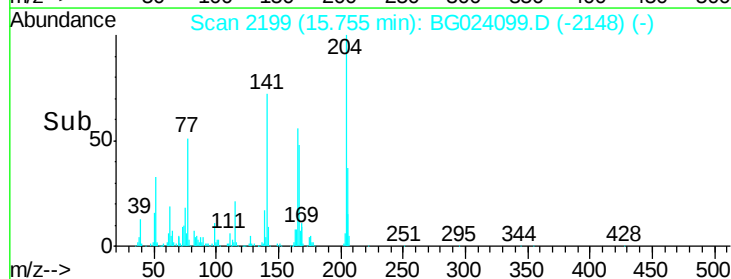
Tgt Ion	Ratio	Lower	Upper
204	100		
206	36.9	28.5	42.7
141	72.1	51.4	77.0

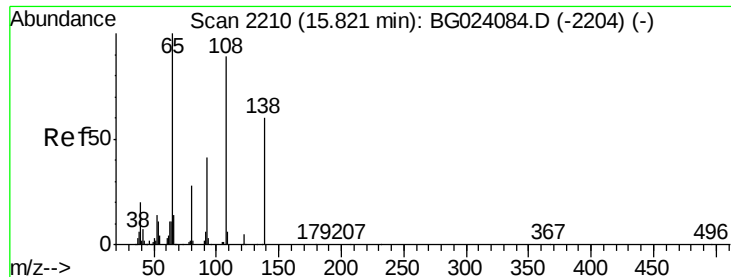


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E



Time--> 15.70 15.75 15.80

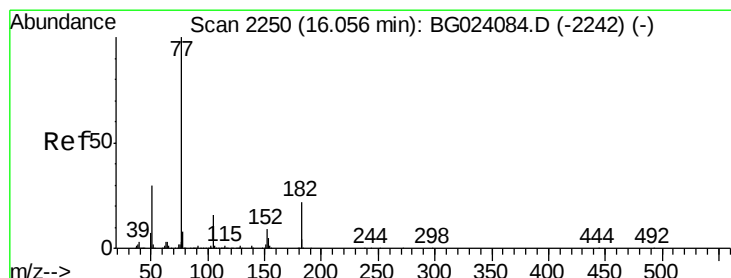
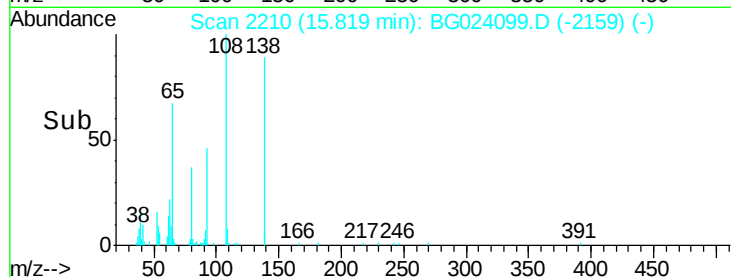
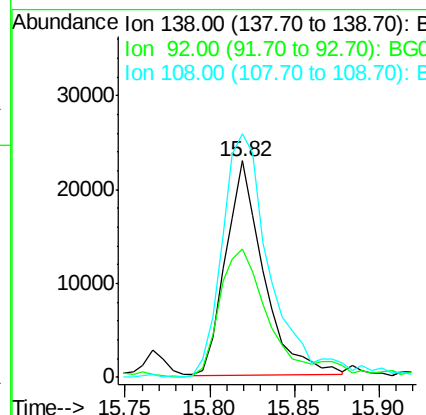
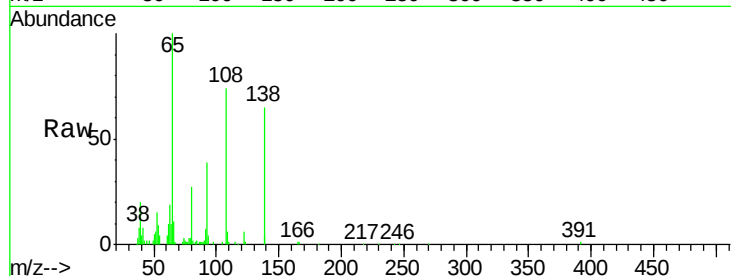




#61
4-Nitroaniline
Concen: 13.08 ng
RT: 15.82 min Scan# 2210
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

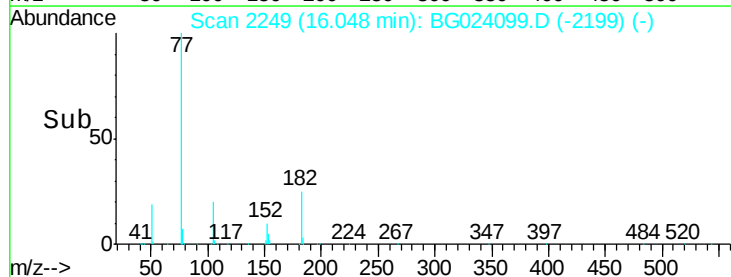
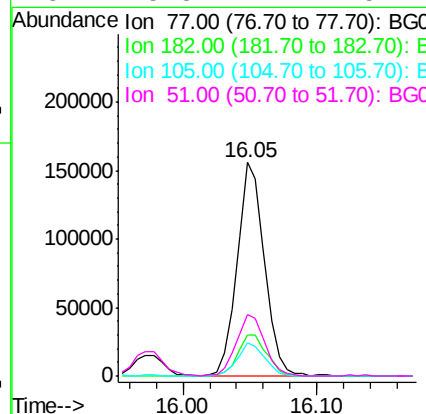
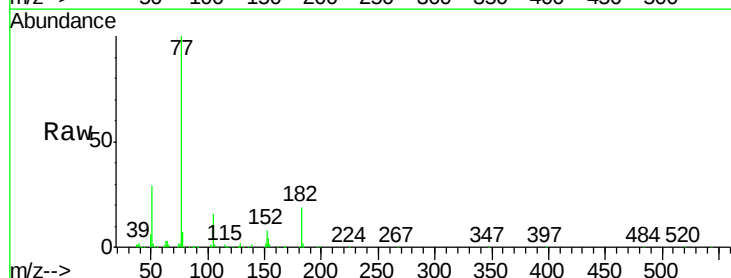
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016--02-QT4

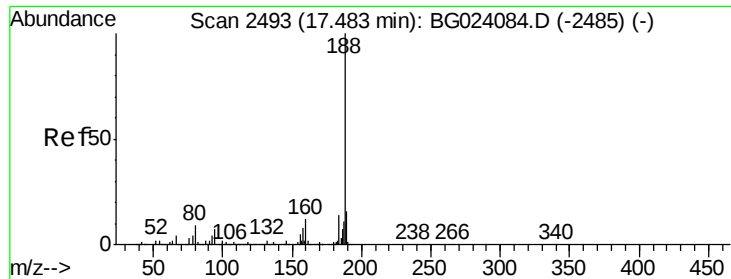
Tgt Ion:138 Resp: 35645
Ion Ratio Lower Upper
138 100
92 59.6 54.1 94.1
108 112.6 133.9 173.9#



#62
Azobenzene
Concen: 16.06 ng
RT: 16.05 min Scan# 2249
Delta R.T. -0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

Tgt Ion: 77 Resp: 220455
Ion Ratio Lower Upper
77 100
182 19.2 3.5 43.5
105 15.5 0.0 38.5
51 28.8 17.1 57.1

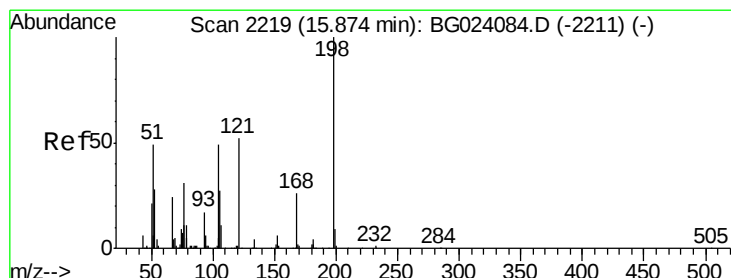
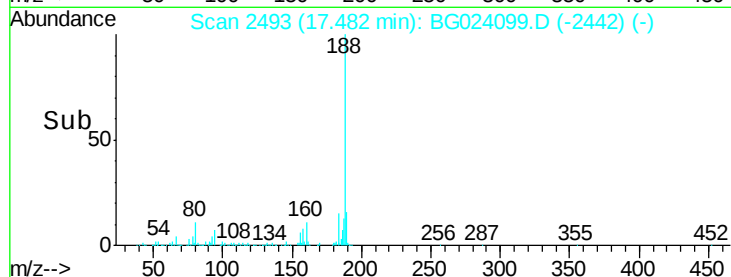
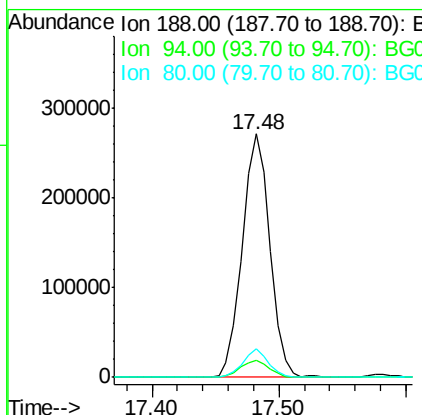
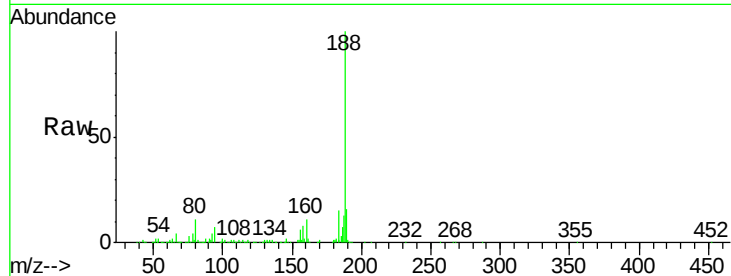




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2493
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

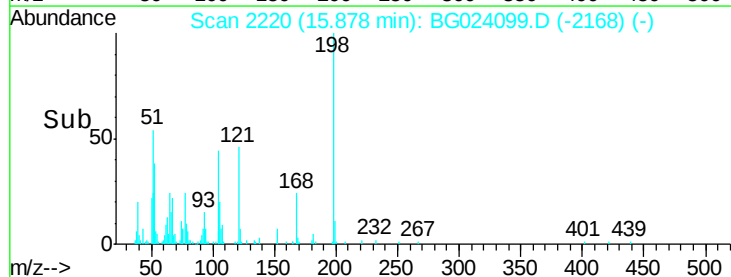
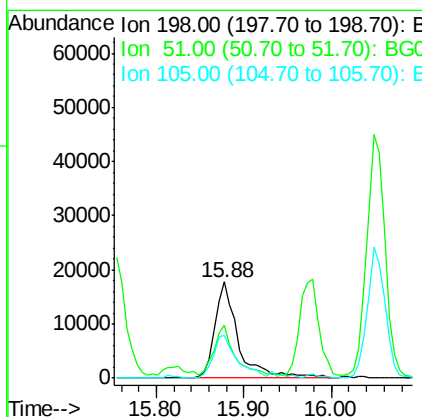
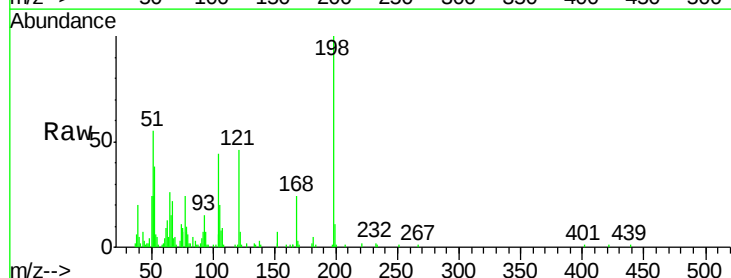
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016--02-QT4

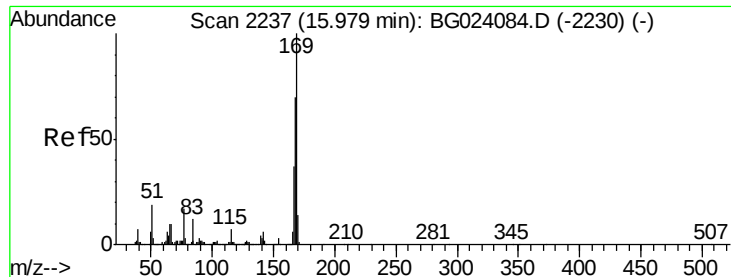
Tgt Ion:188 Resp: 409215
Ion Ratio Lower Upper
188 100
94 6.8 5.2 7.8
80 11.5 7.2 10.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 11.55 ng
RT: 15.88 min Scan# 2220
Delta R.T. 0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

Tgt Ion:198 Resp: 32812
Ion Ratio Lower Upper
198 100
51 54.6 26.0 66.0
105 43.8 20.1 60.1

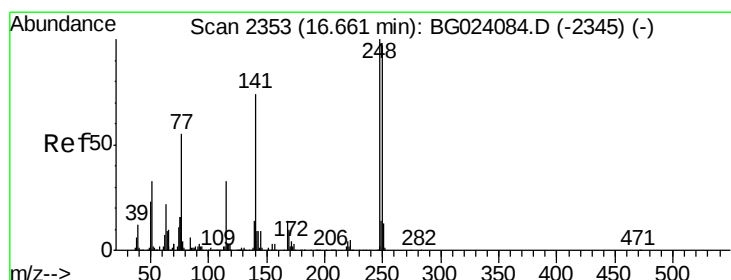
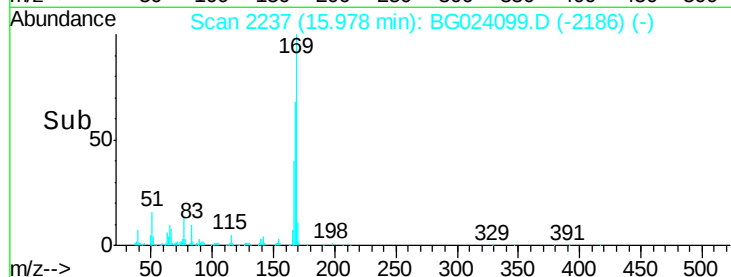
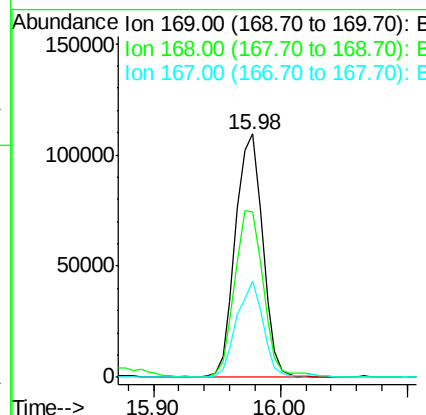
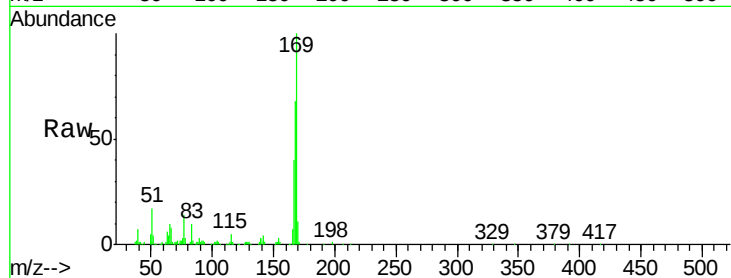




#65
n-Nitrosodiphenylamine
Concen: 14.57 ng
RT: 15.98 min Scan# 2237
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

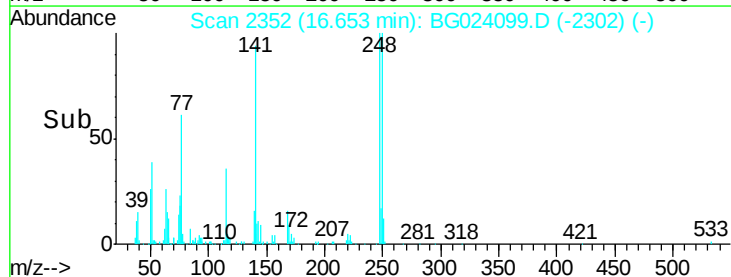
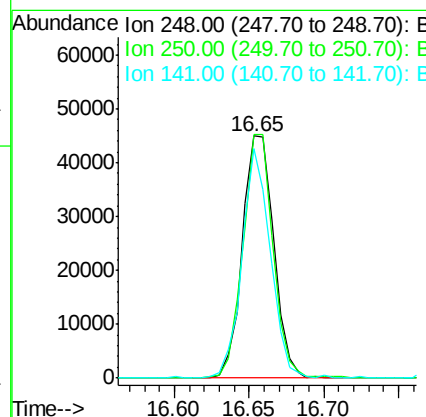
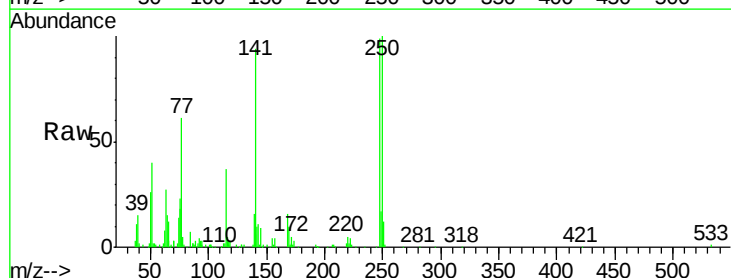
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016--02-QT4

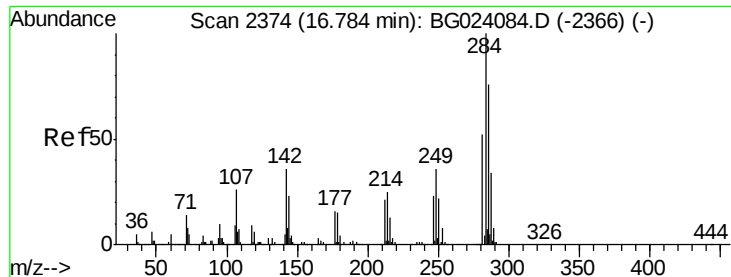
Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.2	55.0	82.4
167	39.7	27.4	41.0



#66
4-Bromophenyl-phenylether
Concen: 13.81 ng
RT: 16.65 min Scan# 2352
Delta R.T. -0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

Tgt Ion	Ratio	Lower	Upper
248	100		
250	100.7	77.8	116.8
141	95.1	65.7	98.5

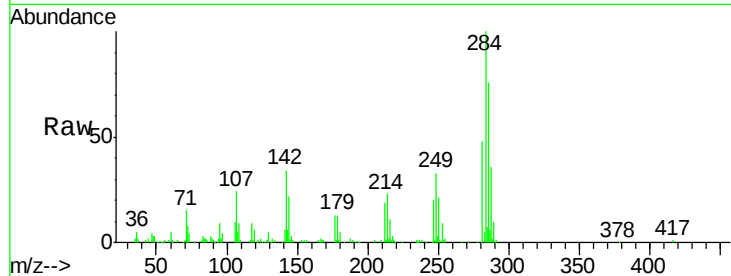




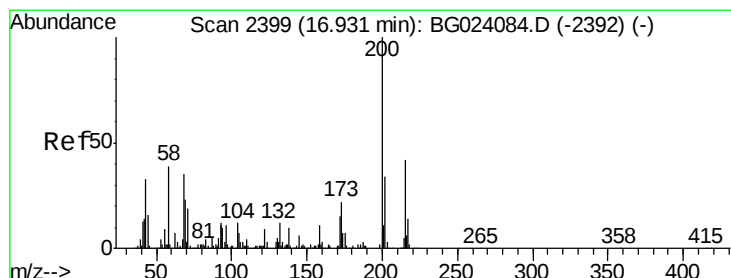
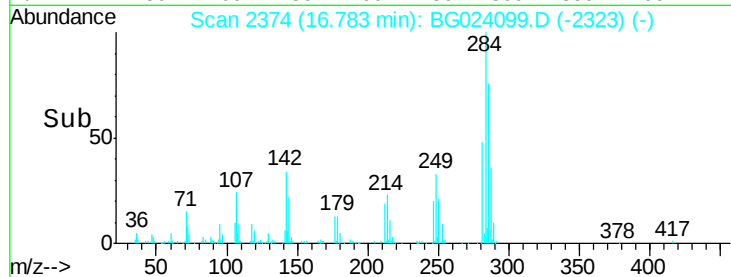
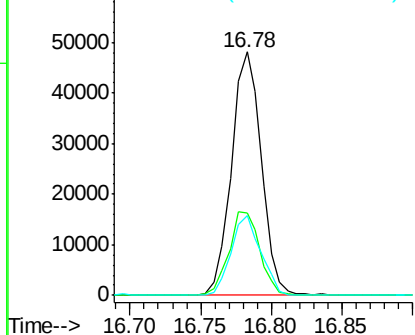
#67
Hexachlorobenzene
Concen: 13.22 ng
RT: 16.78 min Scan# 2374
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016--02-QT4

Tgt Ion:284 Resp: 70722
Ion Ratio Lower Upper
284 100
142 33.9 26.8 40.2
249 32.8 28.9 43.3

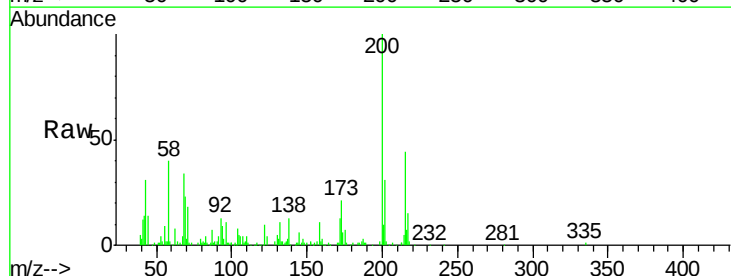


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

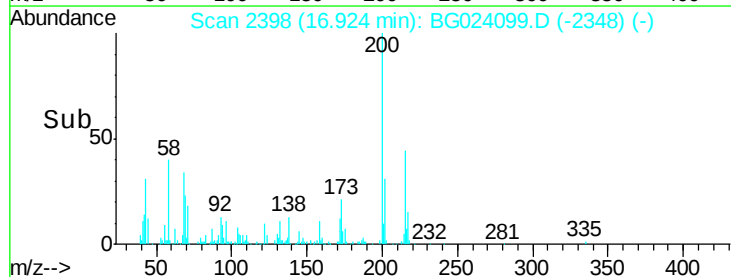
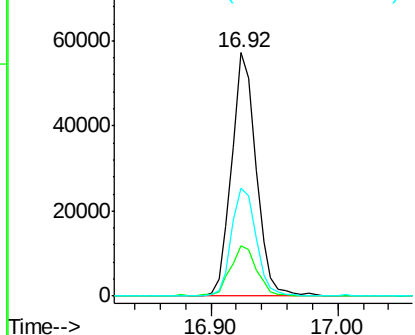


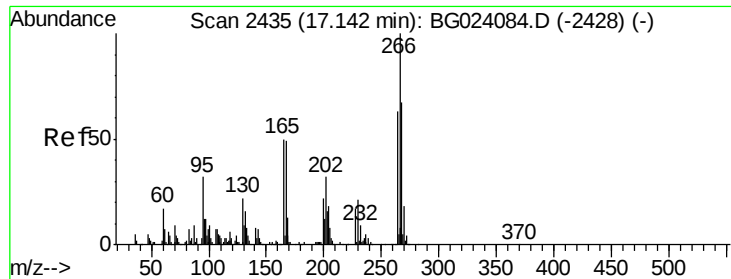
#68
Atrazine
Concen: 15.46 ng
RT: 16.92 min Scan# 2398
Delta R.T. -0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

Tgt Ion:200 Resp: 76408
Ion Ratio Lower Upper
200 100
173 20.8 1.6 41.6
215 44.4 28.7 68.7



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 12.33 ng

RT: 17.15 min Scan# 2437

Delta R.T. 0.01 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016--02-QT4

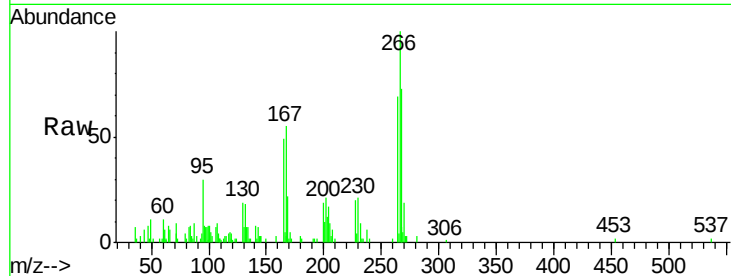
Tgt Ion:266 Resp: 25431

Ion Ratio Lower Upper

266 100

268 73.1 51.9 77.9

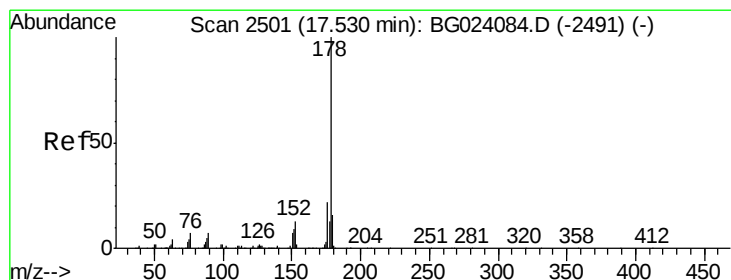
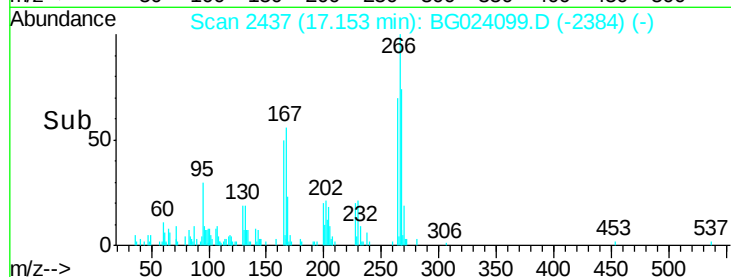
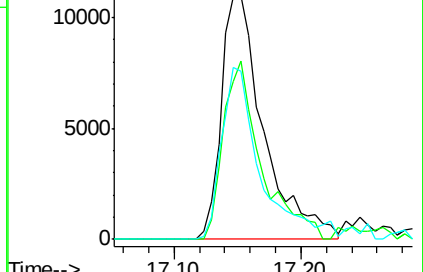
264 69.2 50.6 75.8



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



#70

Phenanthrene

Concen: 15.27 ng

RT: 17.62 min Scan# 2516

Delta R.T. 0.09 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

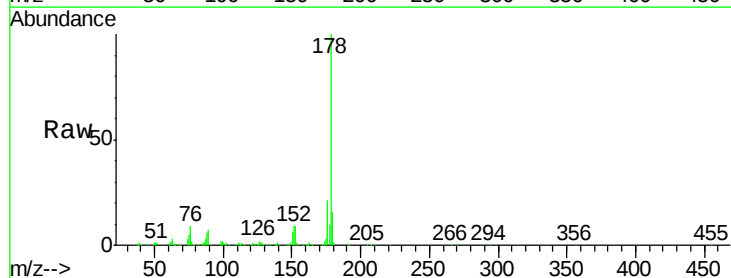
Tgt Ion:178 Resp: 318297

Ion Ratio Lower Upper

178 100

176 20.7 16.8 25.2

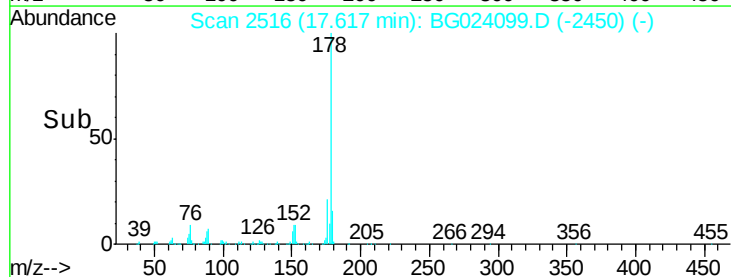
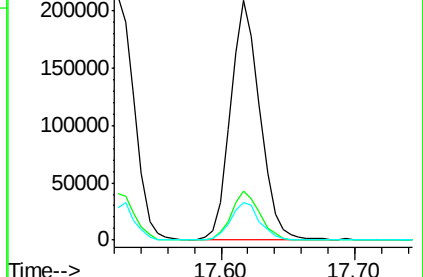
179 15.6 14.3 21.5

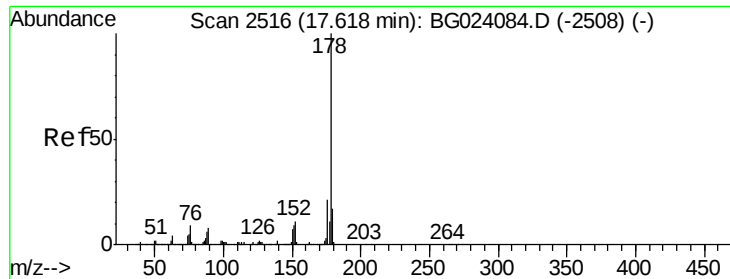


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

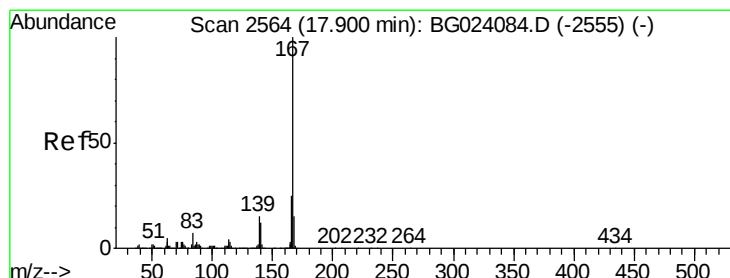
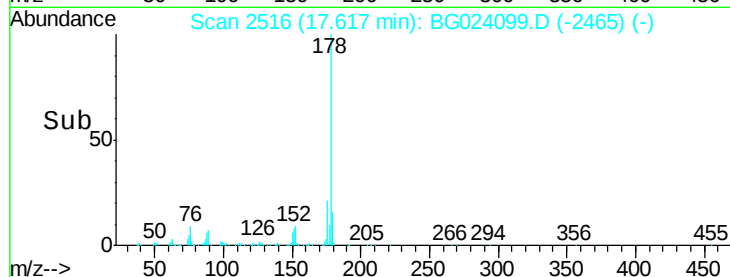
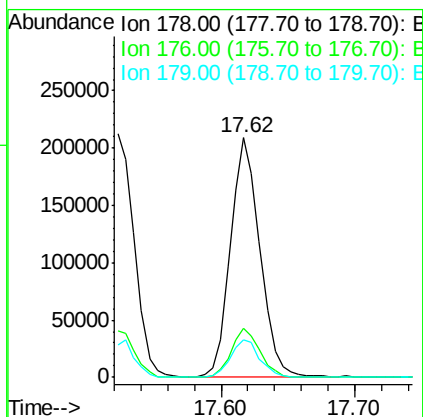
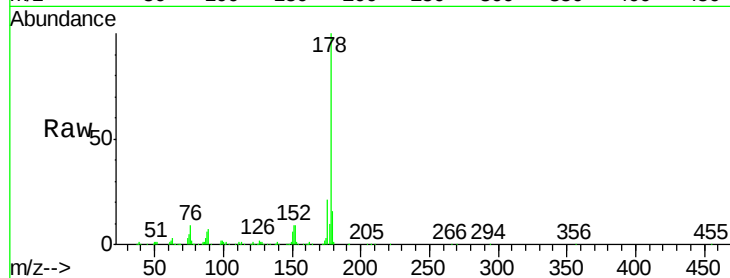




#71
 Anthracene
 Concen: 14.87 ng
 RT: 17.62 min Scan# 2516
 Delta R.T. -0.00 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

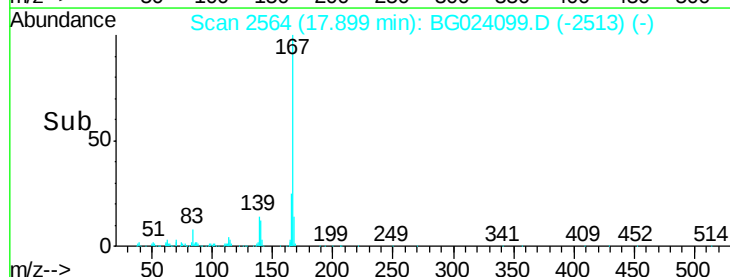
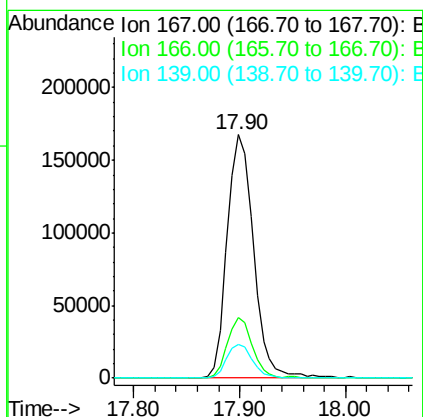
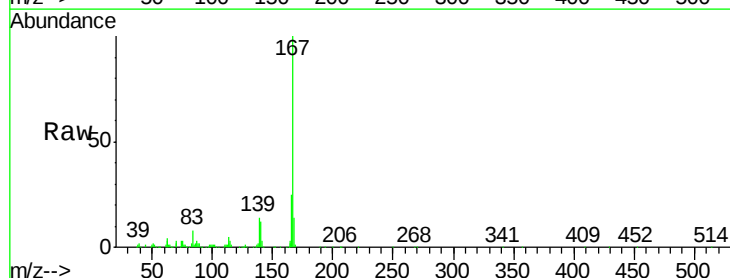
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

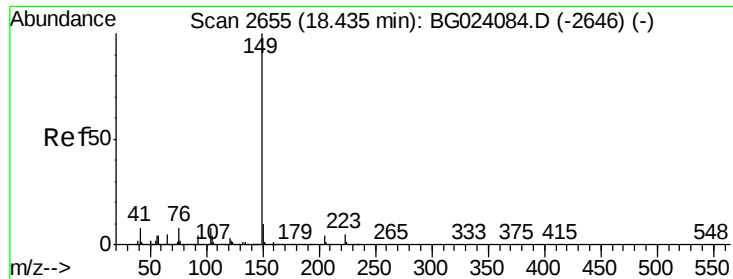
Tgt Ion:178 Resp: 318297
 Ion Ratio Lower Upper
 178 100
 176 20.7 17.3 25.9
 179 15.6 14.0 21.0



#72
 Carbazole
 Concen: 14.59 ng
 RT: 17.90 min Scan# 2564
 Delta R.T. -0.00 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

Tgt Ion:167 Resp: 290868
 Ion Ratio Lower Upper
 167 100
 166 24.7 20.7 31.1
 139 14.0 11.9 17.9





#73

Di-n-butylphthalate

Concen: 13.86 ng

RT: 18.43 min Scan# 2654

Delta R.T. -0.01 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

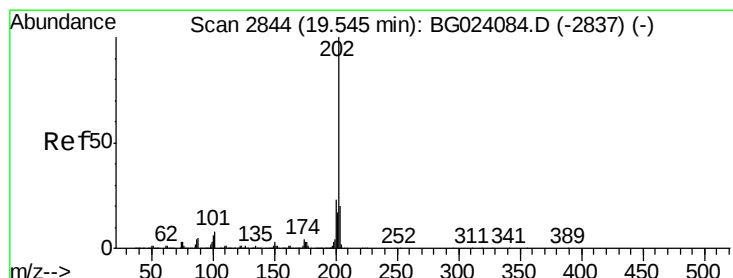
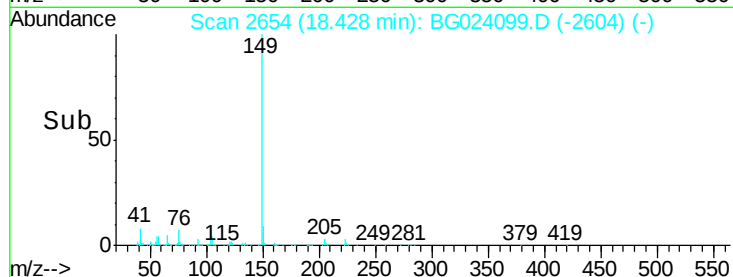
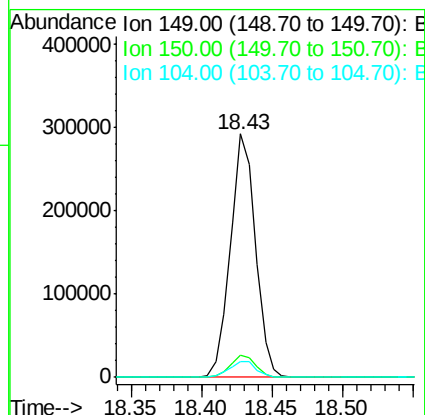
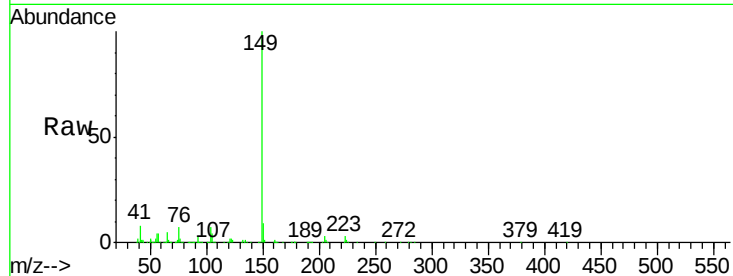
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016--02-QT4

Tgt Ion:	149	Resp:	361535
Ion Ratio		Lower	Upper
149	100		
150	9.2	9.1	13.7
104	6.6	6.9	10.3#



#74

Fluoranthene

Concen: 14.79 ng

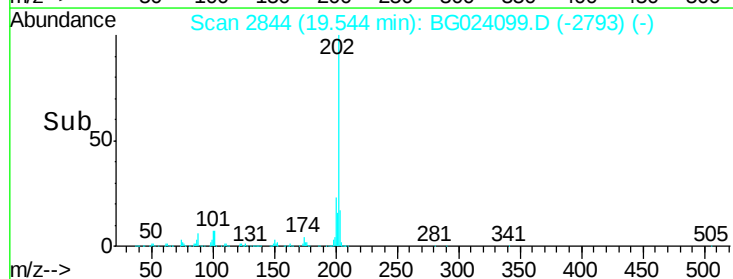
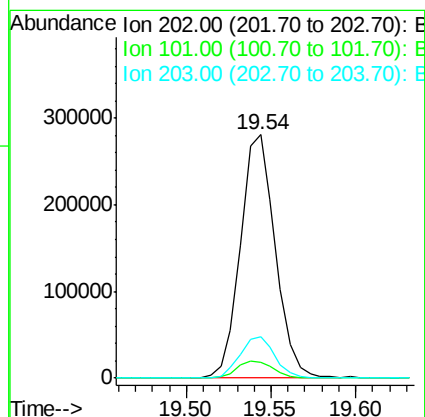
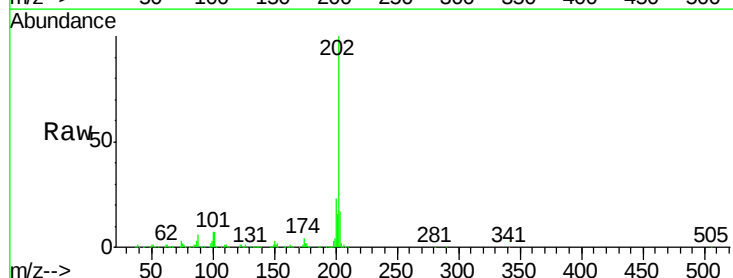
RT: 19.54 min Scan# 2844

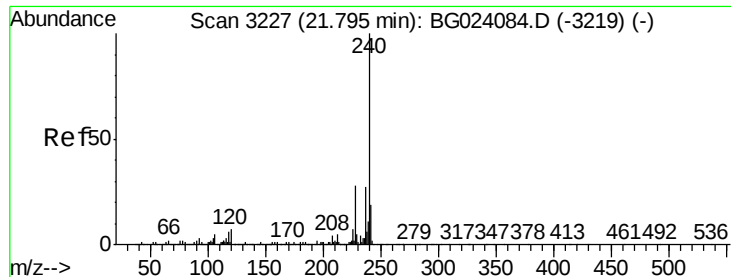
Delta R.T. -0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

Tgt Ion:	202	Resp:	402566
Ion Ratio		Lower	Upper
202	100		
101	6.7	0.0	27.4
203	17.2	1.7	41.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.79 min Scan# 3227

Delta R.T. -0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016--02-QT4

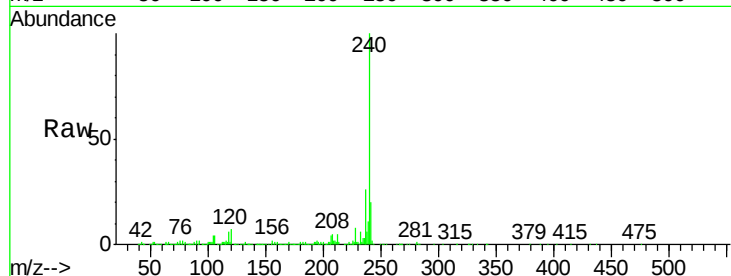
Tgt Ion:240 Resp: 446686

Ion Ratio Lower Upper

240 100

120 7.4 4.1 6.1#

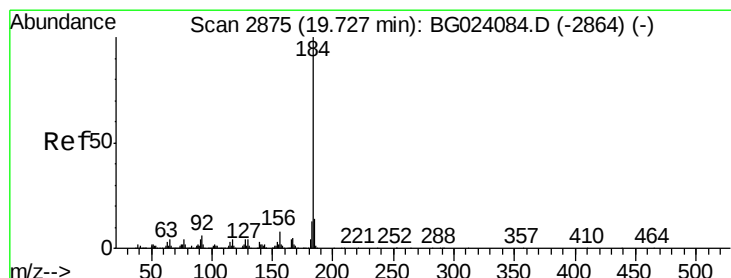
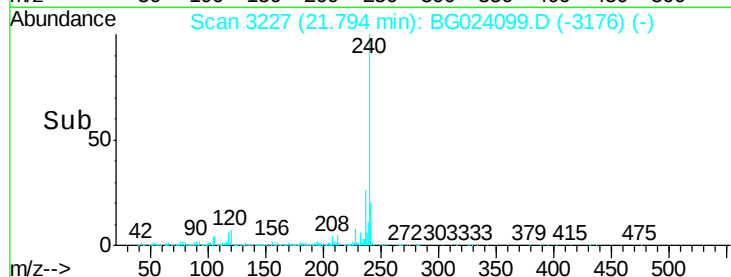
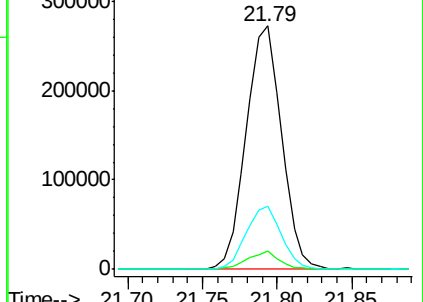
236 26.1 21.1 31.7



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



#76

Benzidine

Concen: 7.76 ng

RT: 19.73 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

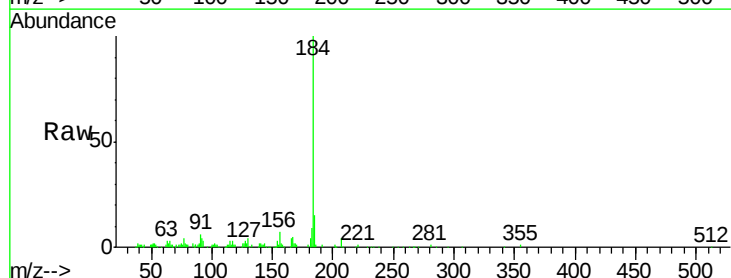
Tgt Ion:184 Resp: 98148

Ion Ratio Lower Upper

184 100

185 15.3 12.6 19.0

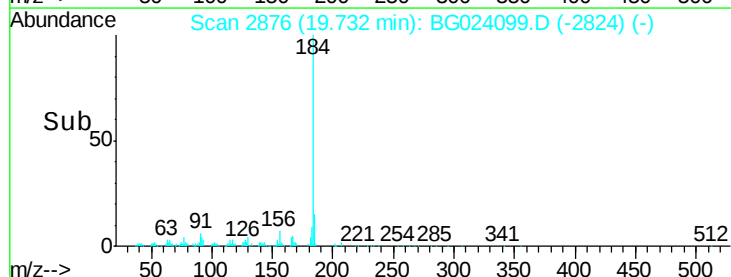
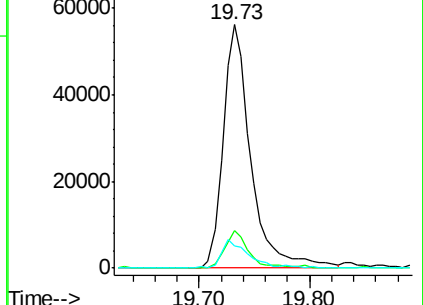
183 9.2 10.7 16.1#

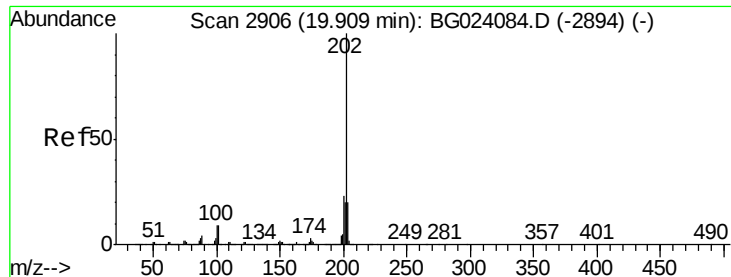


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 13.10 ng

RT: 19.91 min Scan# 2906

Delta R.T. -0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

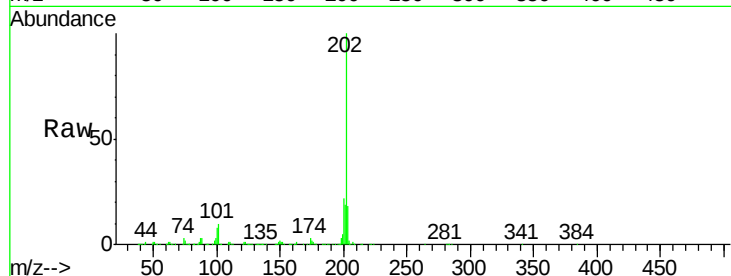
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016--02-QT4

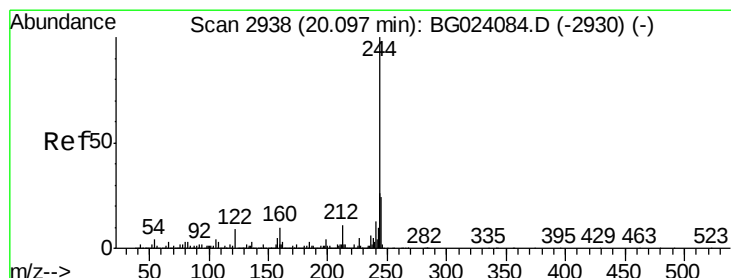
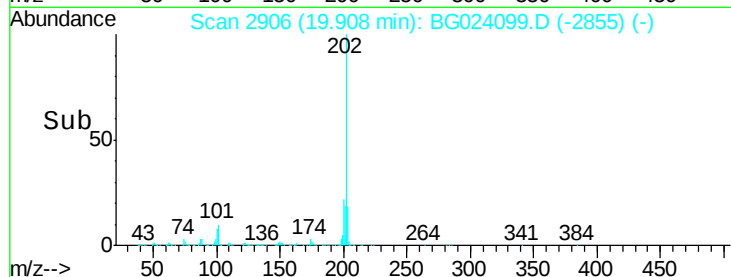
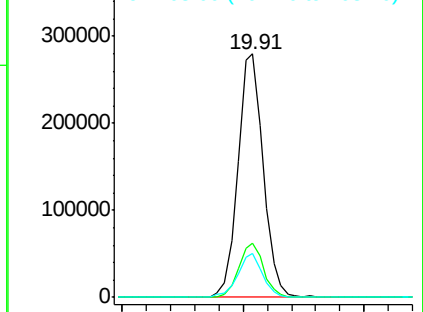
Tgt Ion:	202	Resp:	408622
Ion Ratio	Lower	Upper	
202	100		
200	22.2	21.2	31.8
203	18.1	16.8	25.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 67.78 ng

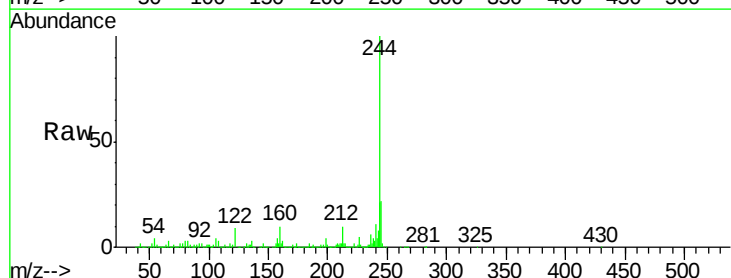
RT: 20.09 min Scan# 2937

Delta R.T. -0.01 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

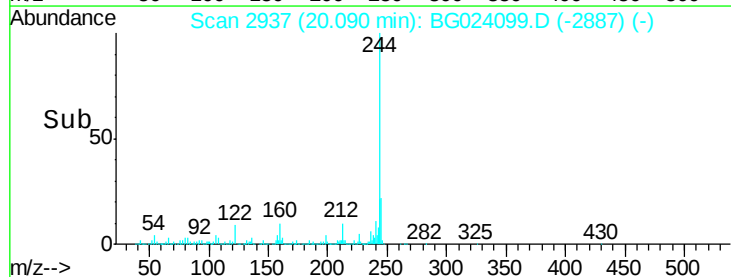
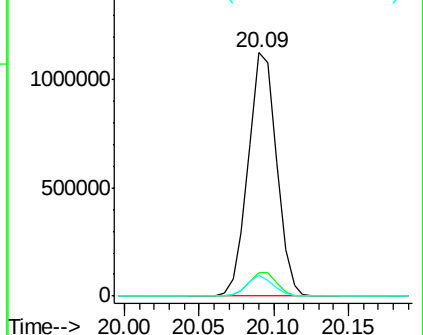
Tgt Ion:	244	Resp:	1478596
Ion Ratio	Lower	Upper	
244	100		
212	9.8	10.8	16.2#
122	8.6	8.0	12.0

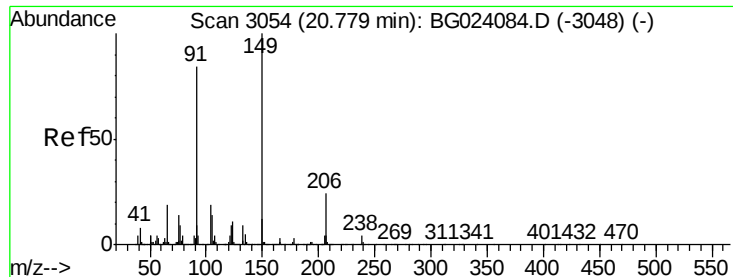


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 13.33 ng

RT: 20.78 min Scan# 3054

Delta R.T. -0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016--02-QT4

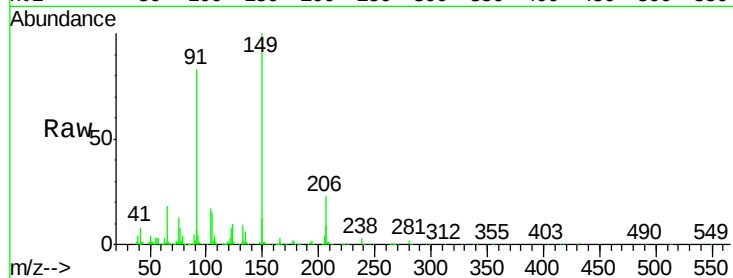
Tgt Ion:149 Resp: 153132

Ion Ratio Lower Upper

149 100

91 82.7 68.1 102.1

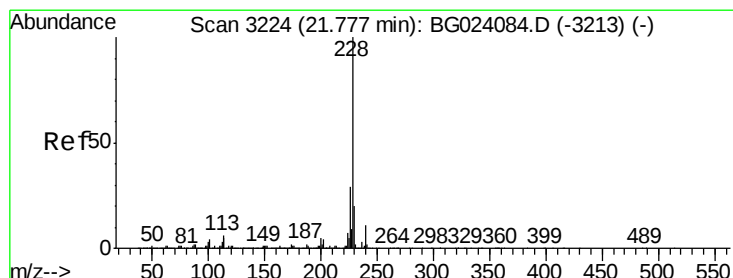
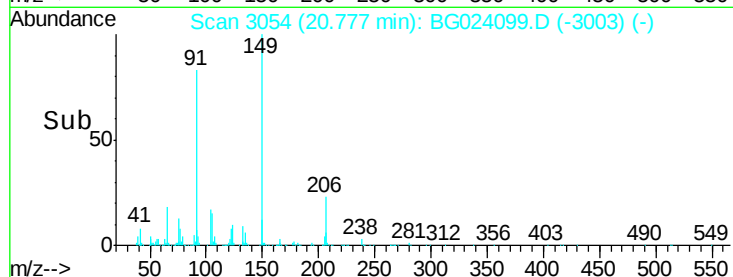
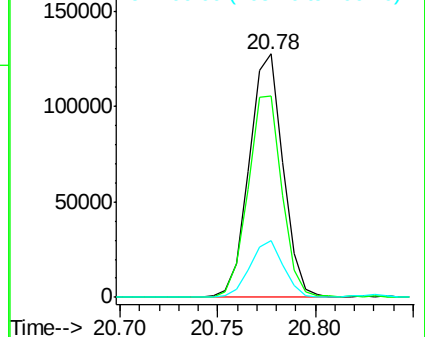
206 23.3 19.8 29.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 14.85 ng

RT: 21.77 min Scan# 3223

Delta R.T. -0.01 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

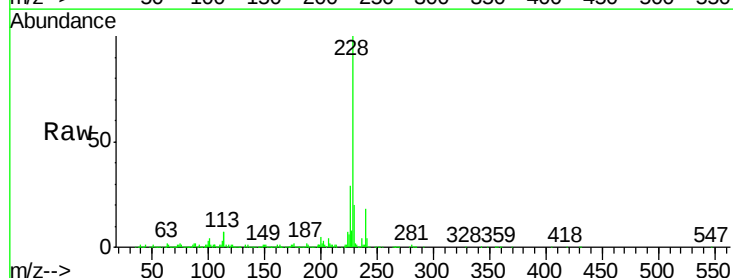
Tgt Ion:228 Resp: 377638

Ion Ratio Lower Upper

228 100

226 28.6 25.3 37.9

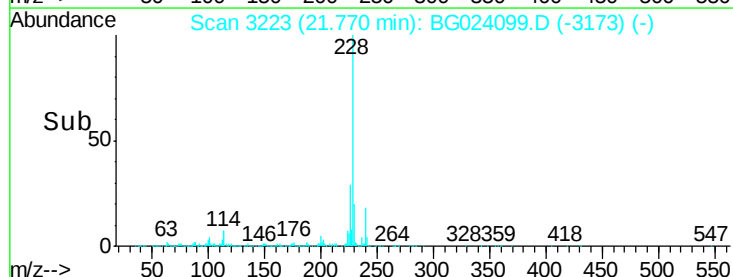
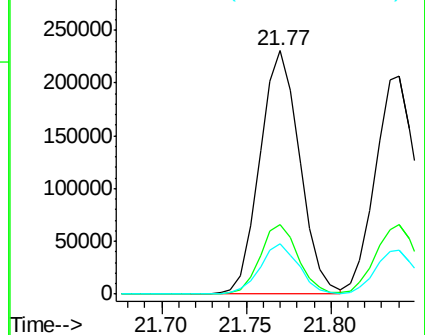
229 20.5 19.9 29.9

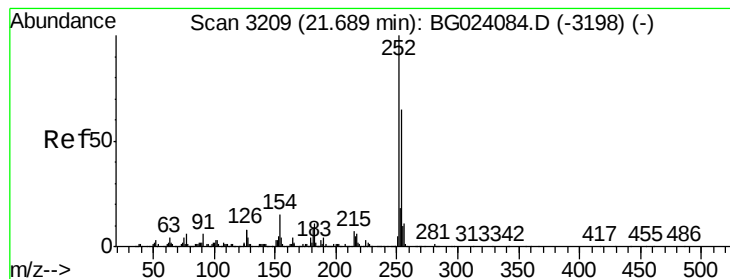


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

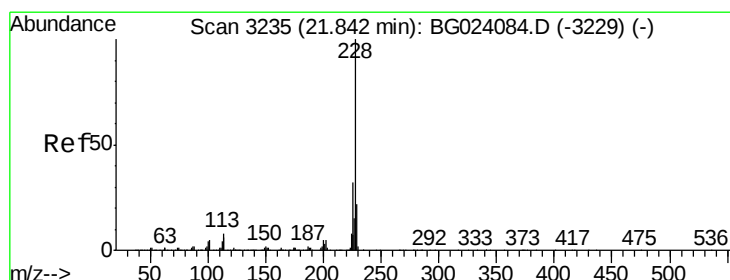
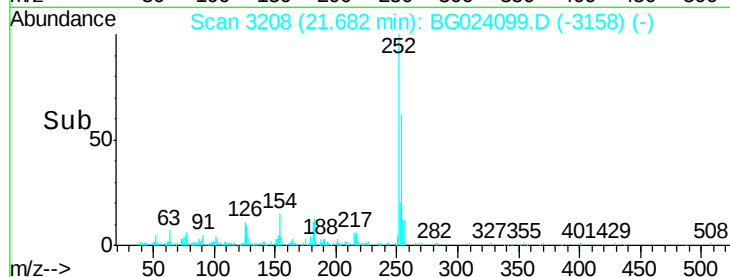
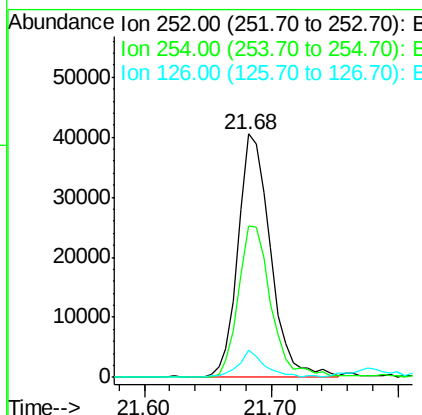
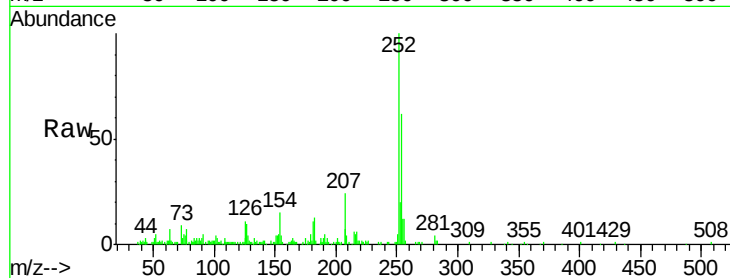




#81
 3,3'-Dichlorobenzidine
 Concen: 7.89 ng
 RT: 21.68 min Scan# 3208
 Delta R.T. -0.01 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

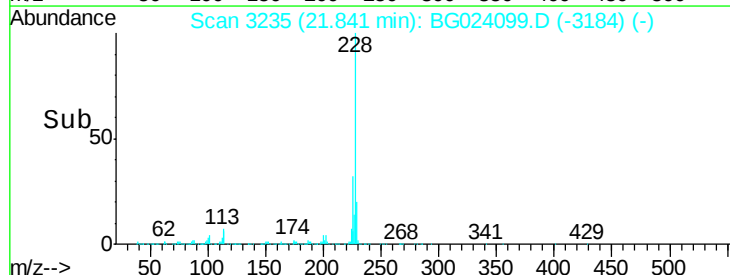
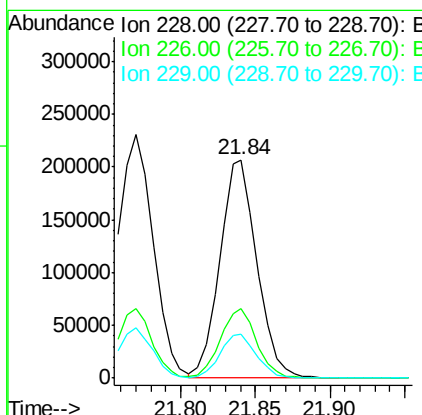
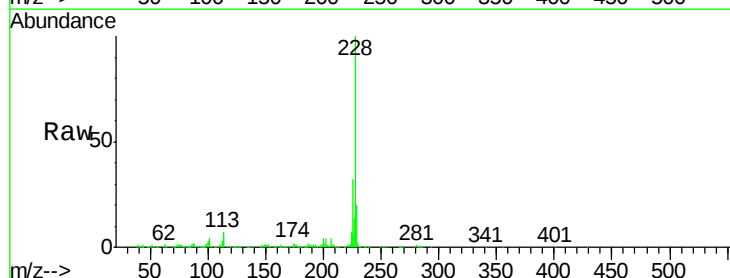
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

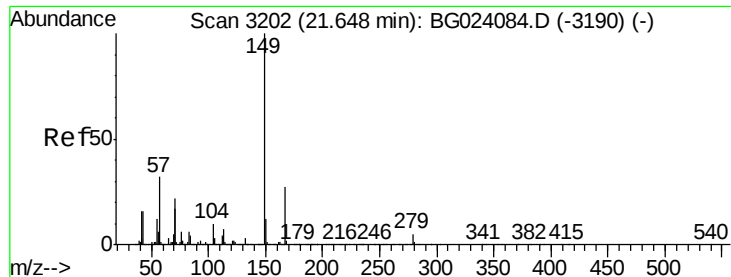
Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.2	51.2	76.8
126	11.4	5.3	7.9



#82
 Chrysene
 Concen: 14.95 ng
 RT: 21.84 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	26.7	40.1
229	20.1	17.4	26.2

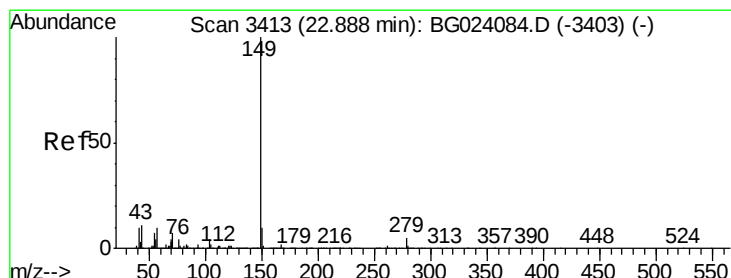
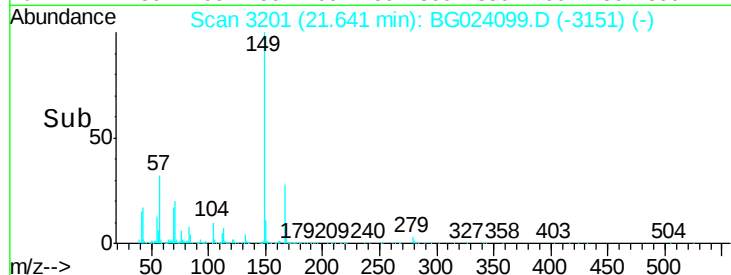
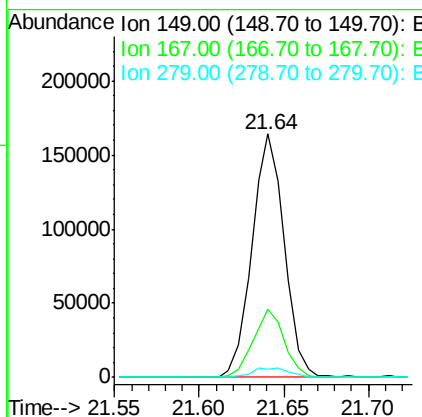
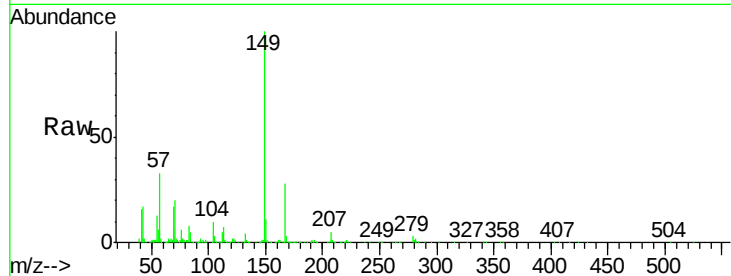




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 15.81 ng
 RT: 21.64 min Scan# 3201
 Delta R.T. -0.01 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

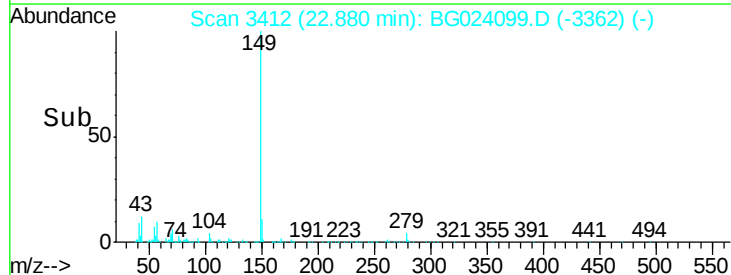
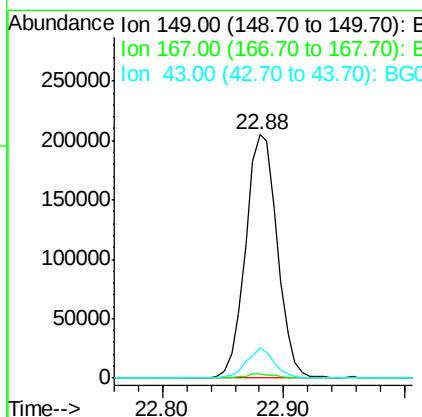
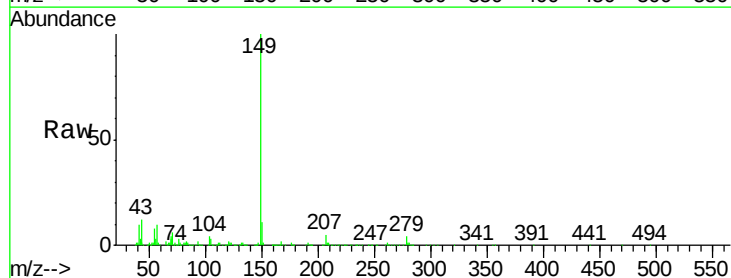
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

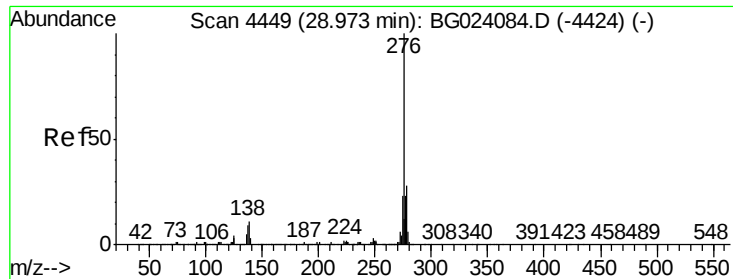
Tgt Ion:149 Resp: 216926
 Ion Ratio Lower Upper
 149 100
 167 28.3 24.0 36.0
 279 3.4 4.8 7.2#



#84
 Di-n-octyl phthalate
 Concen: 15.74 ng
 RT: 22.88 min Scan# 3412
 Delta R.T. -0.01 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

Tgt Ion:149 Resp: 372637
 Ion Ratio Lower Upper
 149 100
 167 1.7 1.5 2.3
 43 11.1 8.8 13.2





#85

Indeno(1,2,3-cd)pyrene

Concen: 15.81 ng

RT: 28.96 min Scan# 4447

Delta R.T. -0.01 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016--02-QT4

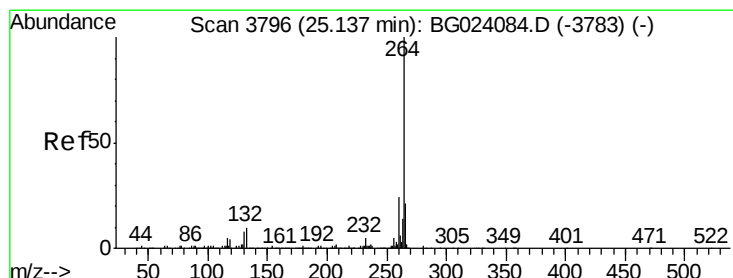
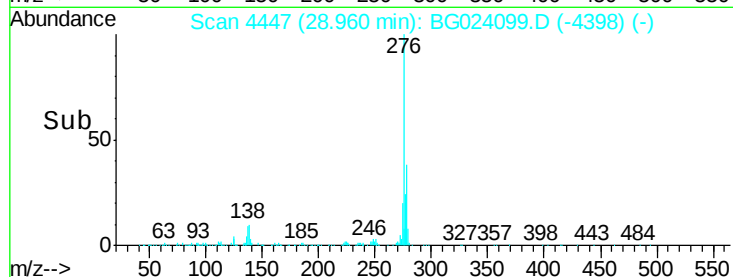
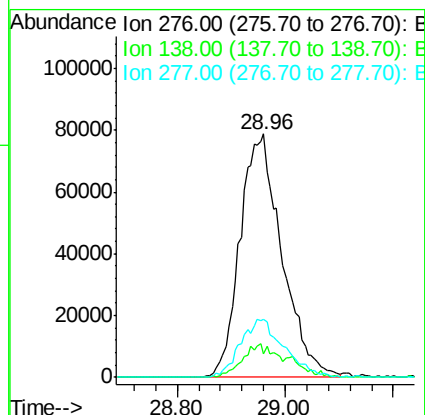
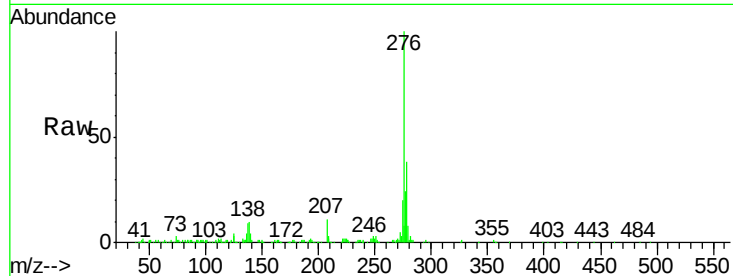
Tgt Ion:276 Resp: 421439

Ion Ratio Lower Upper

276 100

138 10.7 0.0 0.0#

277 25.1 0.0 0.0#



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.13 min Scan# 3795

Delta R.T. -0.01 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

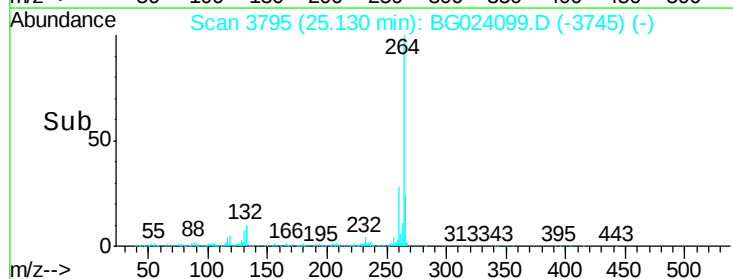
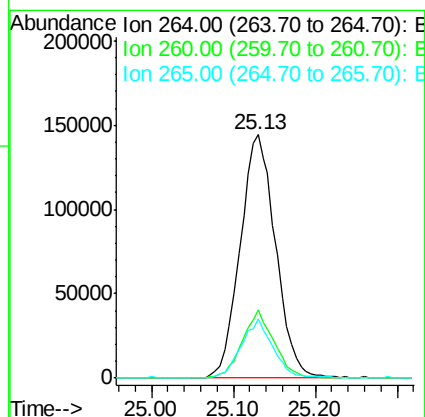
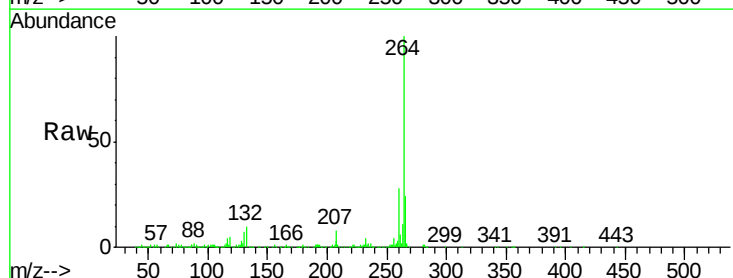
Tgt Ion:264 Resp: 433638

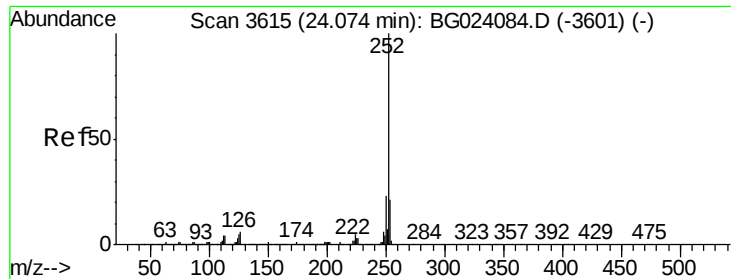
Ion Ratio Lower Upper

264 100

260 27.8 18.4 27.6#

265 24.4 18.9 28.3





#87

Benzo(b)fluoranthene

Concen: 14.66 ng

RT: 24.06 min Scan# 3613

Delta R.T. -0.01 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

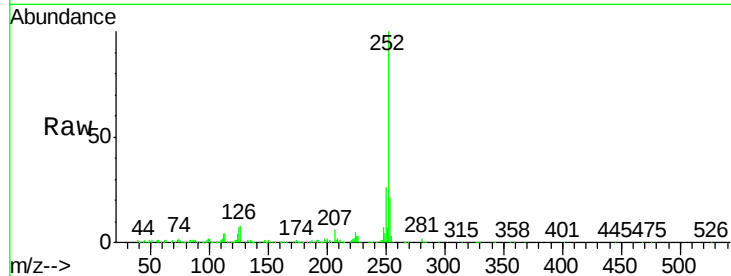
Instrument :

BNA_G

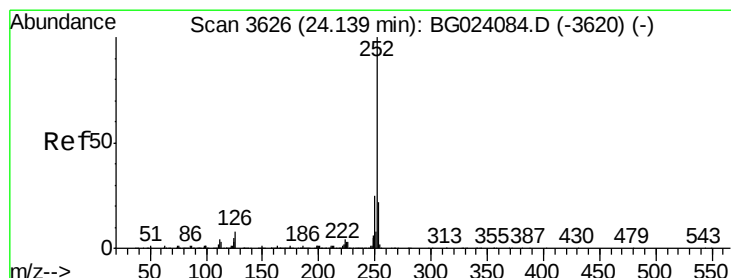
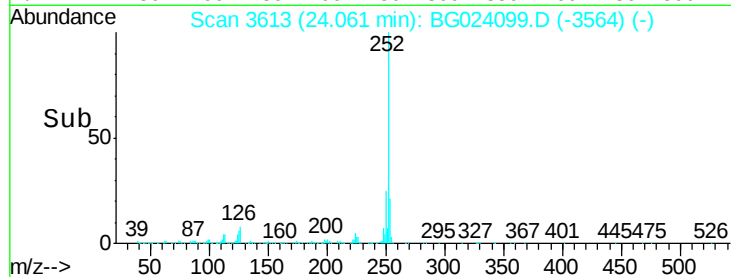
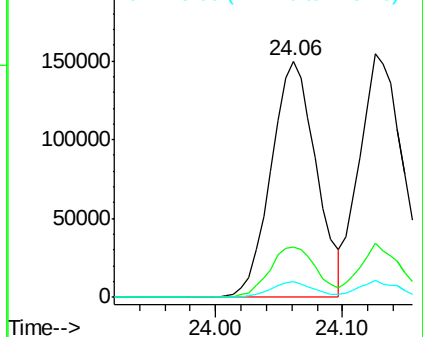
ClientSampleId :

LOQ-SOIL2016--02-QT4

Tgt Ion:	252	Resp:	369849
Ion Ratio	Lower	Upper	
252	100		
253	21.2	18.9	28.3
125	6.5	3.9	5.9#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 14.63 ng

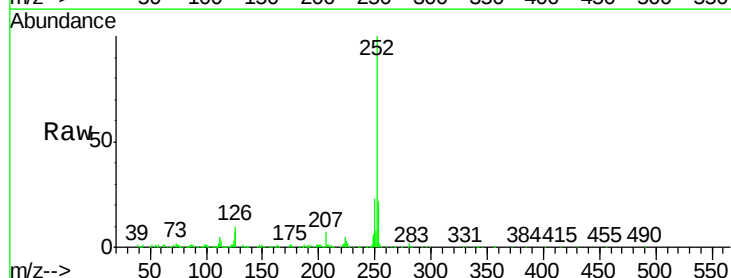
RT: 24.13 min Scan# 3624

Delta R.T. -0.01 min

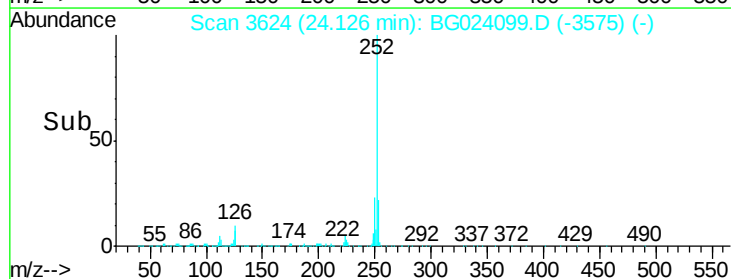
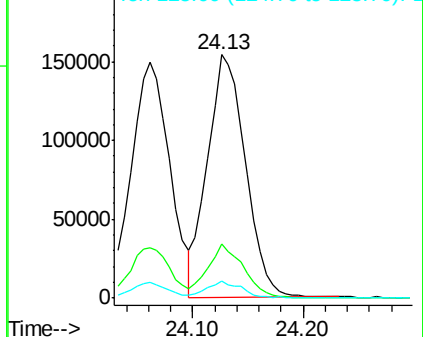
Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

Tgt Ion:	252	Resp:	366610
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.8	28.2
125	7.2	3.2	4.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 15.20 ng

RT: 24.97 min Scan# 3768

Delta R.T. -0.01 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016--02-QT4

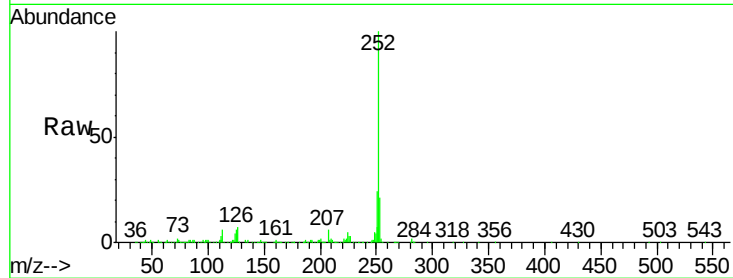
Tgt Ion:252 Resp: 370819

Ion Ratio Lower Upper

252 100

253 21.0 18.7 28.1

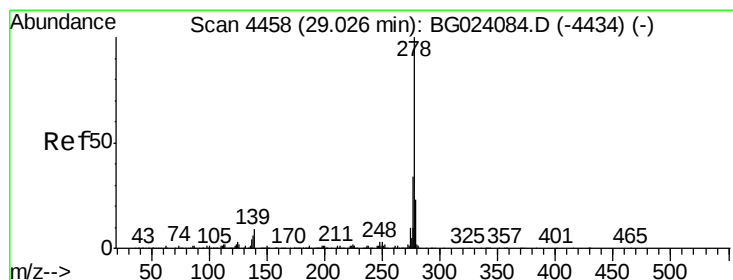
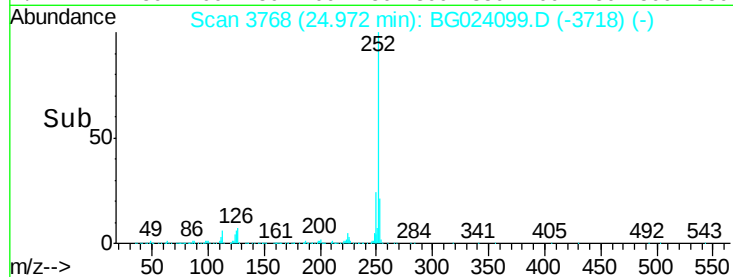
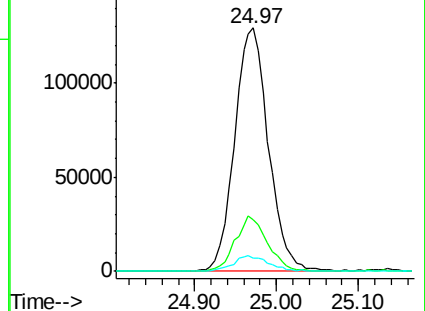
125 5.6 3.9 5.9



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 14.16 ng

RT: 29.01 min Scan# 4456

Delta R.T. -0.01 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

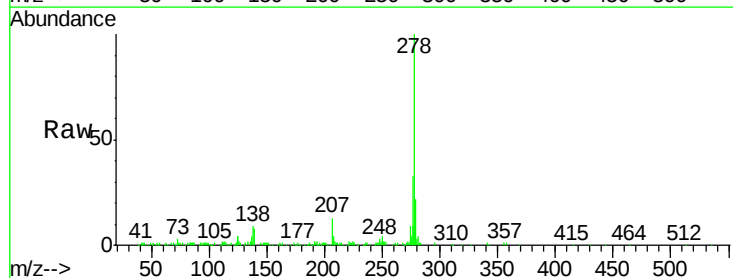
Tgt Ion:278 Resp: 344951

Ion Ratio Lower Upper

278 100

139 8.1 4.7 7.1#

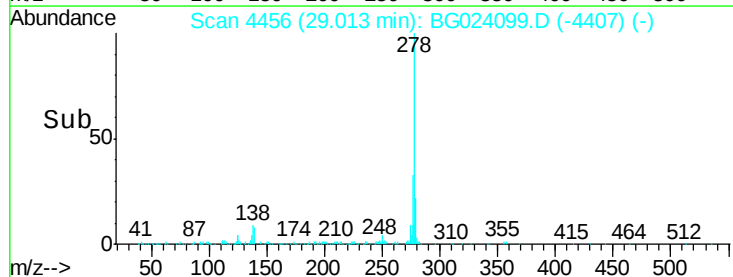
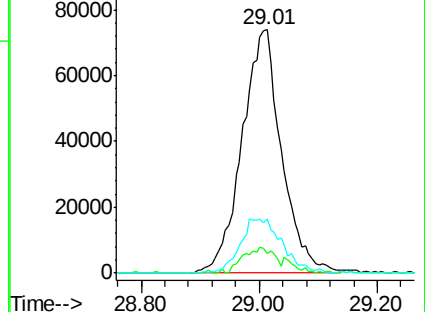
279 22.1 18.3 27.5

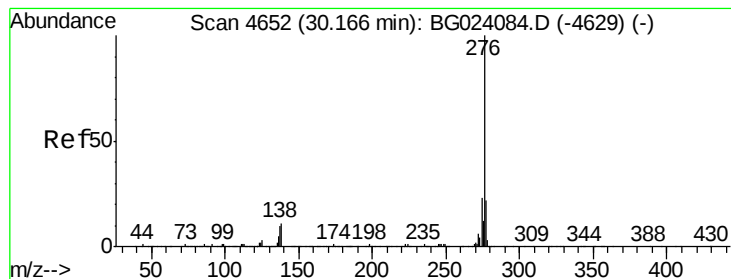


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 14.30 ng

RT: 30.15 min Scan# 4650

Delta R.T. -0.01 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

Instrument :

BNA_G

ClientSampleId :

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Tgt Ion: 276 Resp: 350956

Ion Ratio Lower Upper

276 100

277 21.4 18.6 27.8

138 13.6 6.8 10.2#

