

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

Manual Integrations
 APPROVED

Quant Time: Sep 24 01:51:17 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 23 15:35:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	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

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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

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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

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Quant Time: Sep 24 01:51:17 2016
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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	17.52	178	322578m	15.48	ng	
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

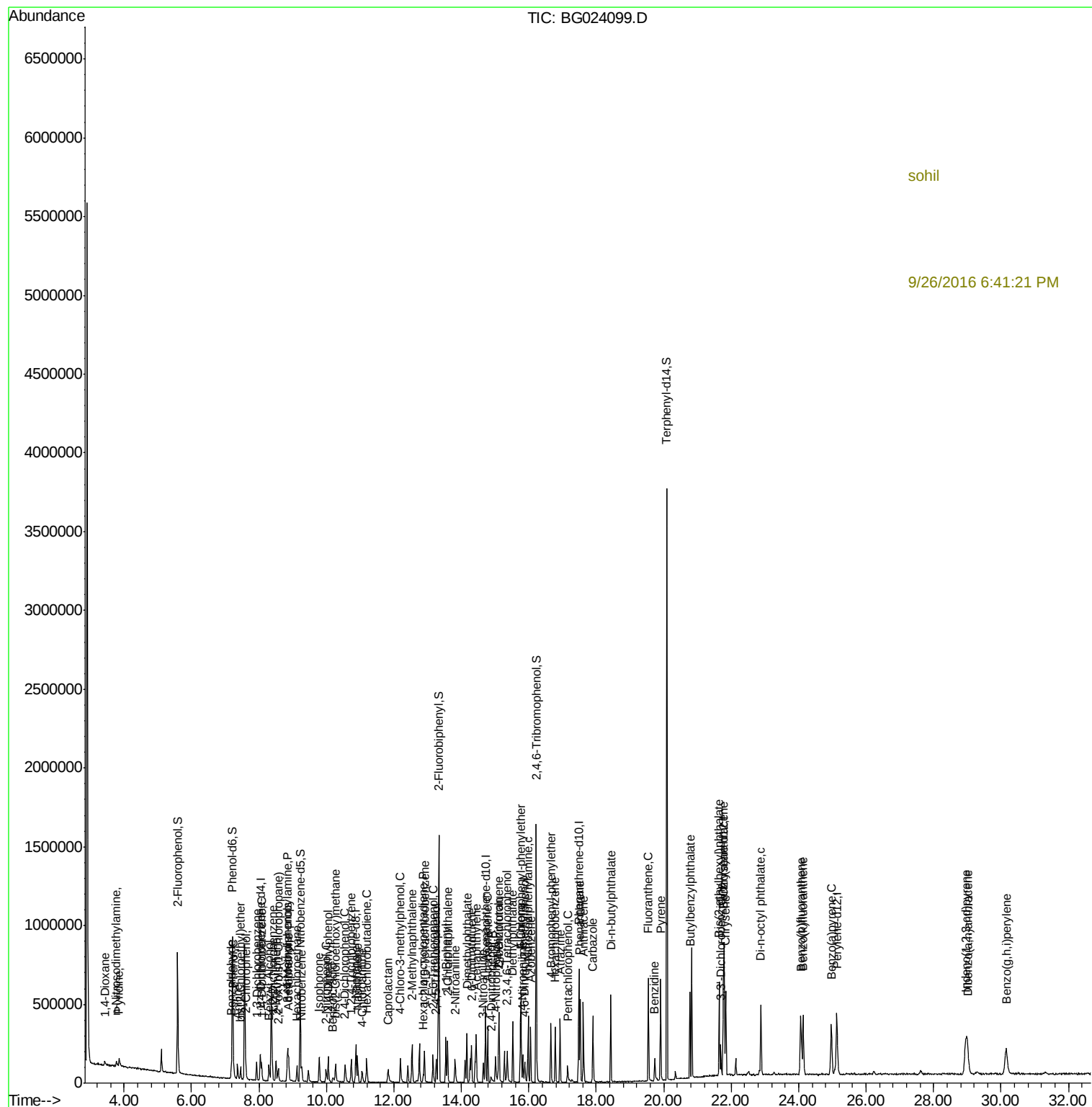
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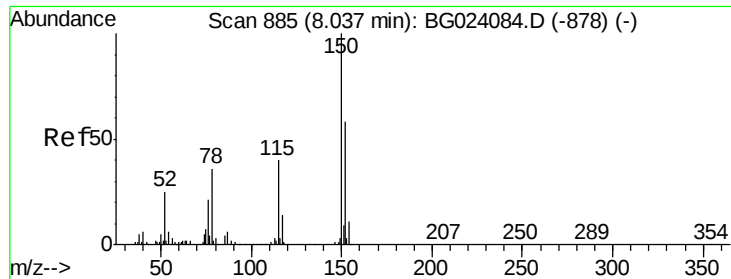
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#1

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

Instrument :

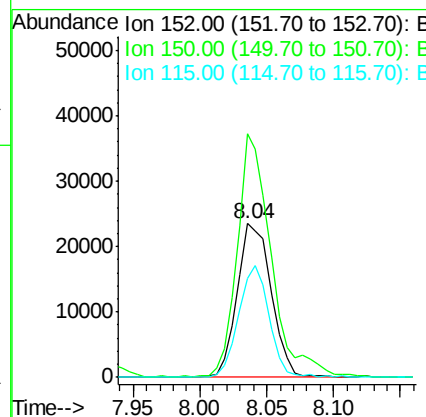
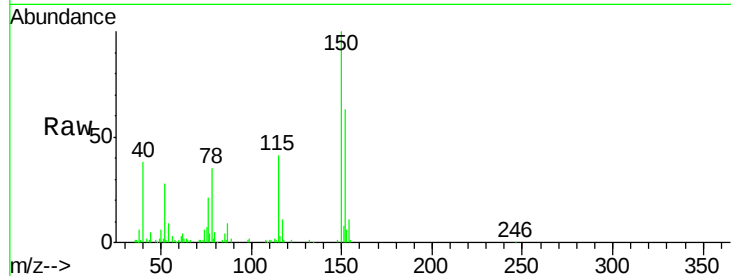
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ClientSampleId :

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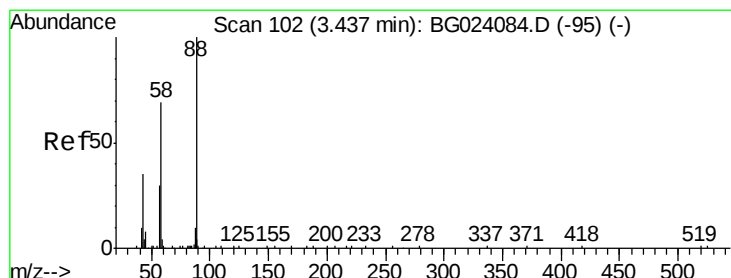
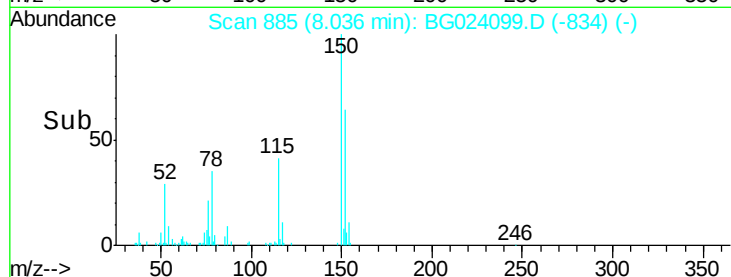
Tgt Ion:	152	Resp:	41540
Ion Ratio	Lower	Upper	
152	100		
150	158.2	144.7	217.1
115	64.3	64.0	96.0

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#2

1,4-Dioxane

Concen: 13.61 ng

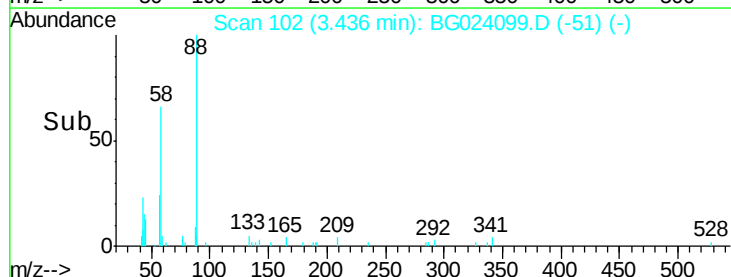
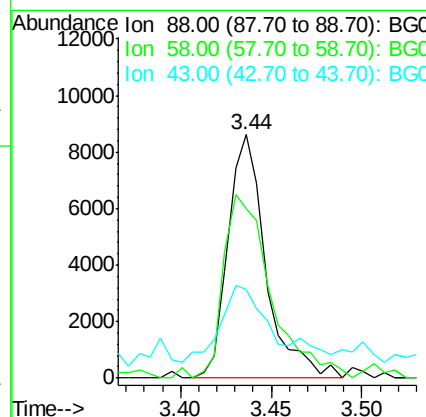
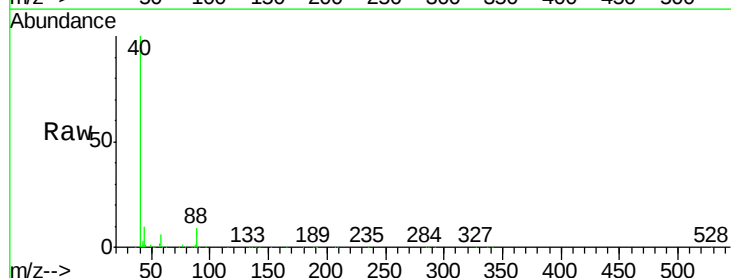
RT: 3.44 min Scan# 102

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





#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 :

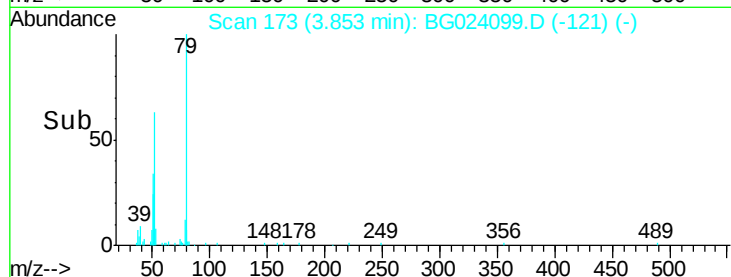
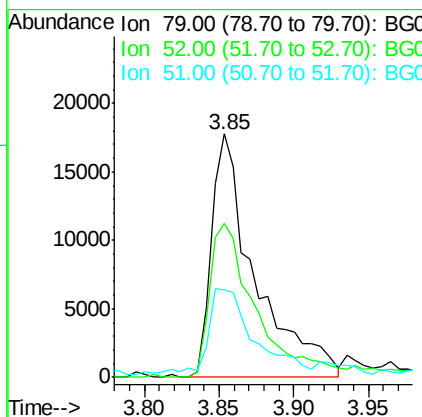
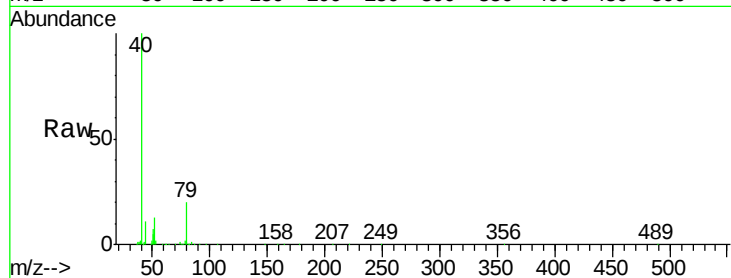
BNA_G

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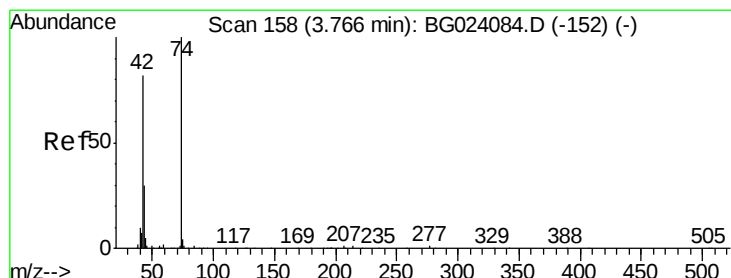
Tgt Ion:	79	Resp:	35950
Ion	Ratio	Lower	Upper
79	100		
52	63.1	51.8	77.8
51	36.0	32.7	49.1

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#4

n-Nitrosodimethylamine

Concen: 12.13 ng

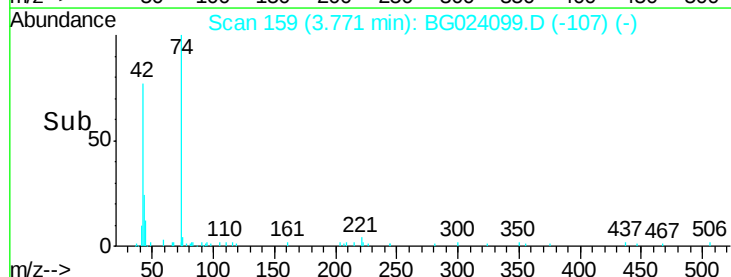
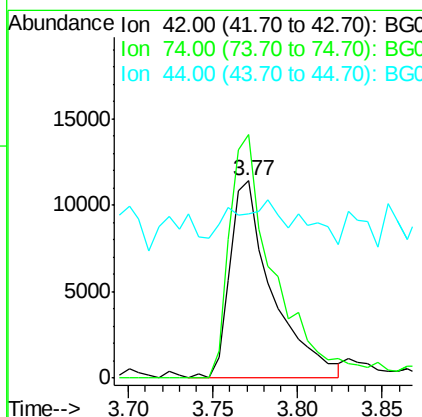
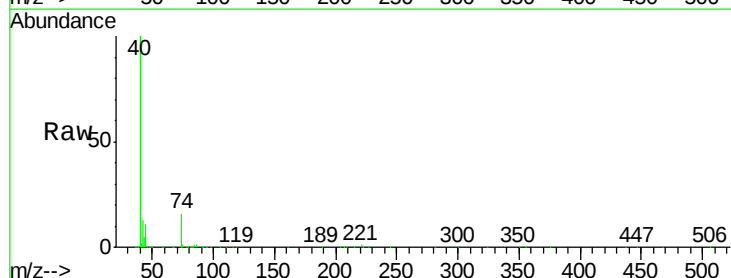
RT: 3.77 min Scan# 159

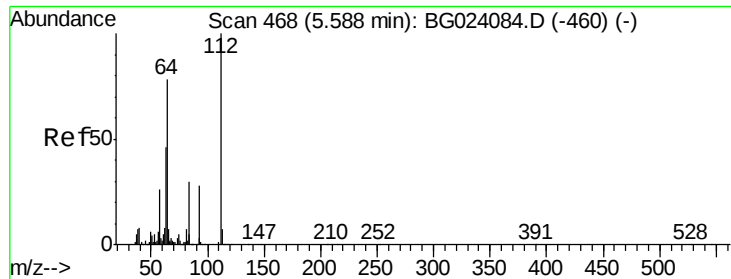
Delta R.T. 0.00 min

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#





#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 :

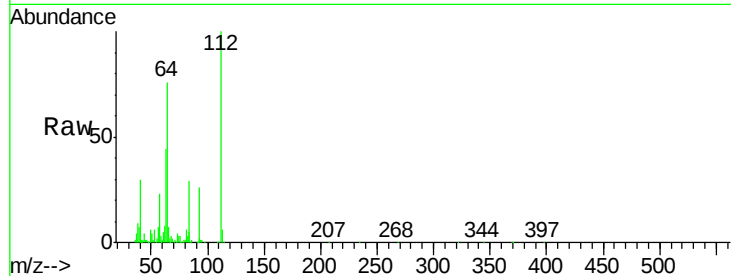
BNA_G

ClientSampleId :

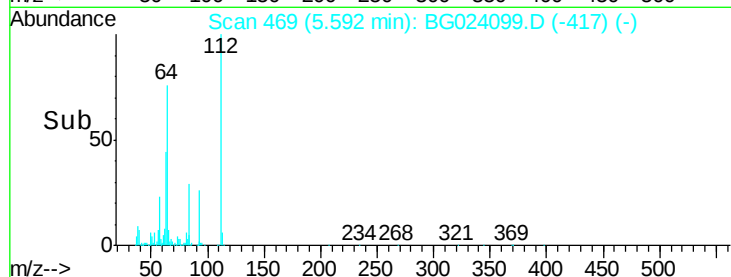
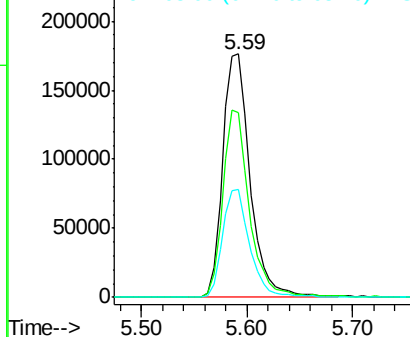
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Tgt Ion:	112	Resp:	317288
Ion Ratio	Lower	Upper	
112	100		
64	75.8	59.0	88.4
63	44.2	37.8	56.8

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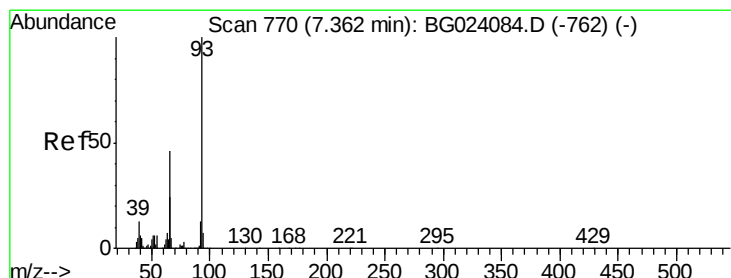


Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



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#6

Aniline

Concen: 9.09 ng

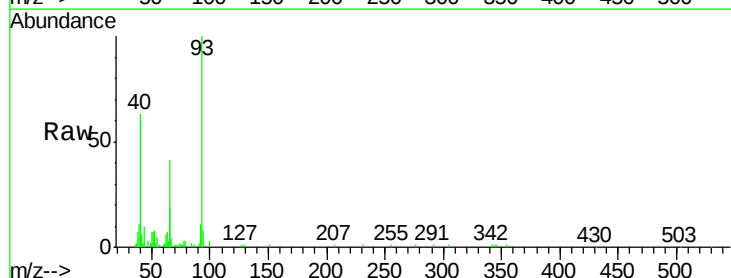
RT: 7.37 min Scan# 771

Delta R.T. 0.00 min

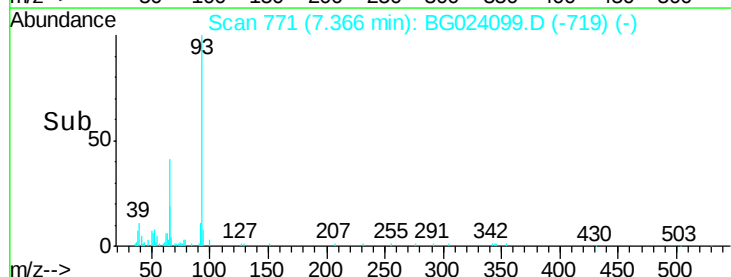
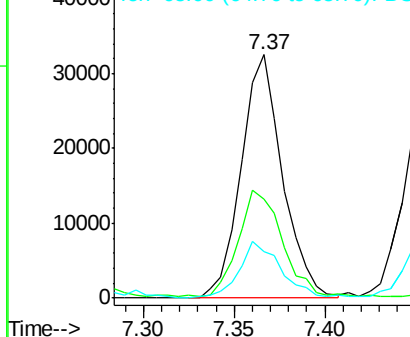
Lab File: BG024099.D

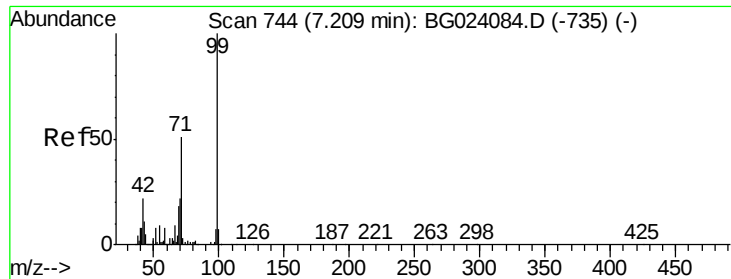
Acq: 23 Sep 2016 22:37

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): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#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

Instrument :

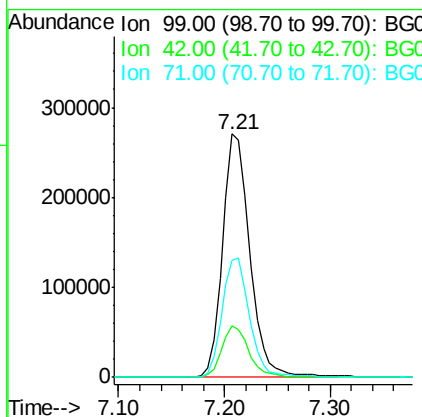
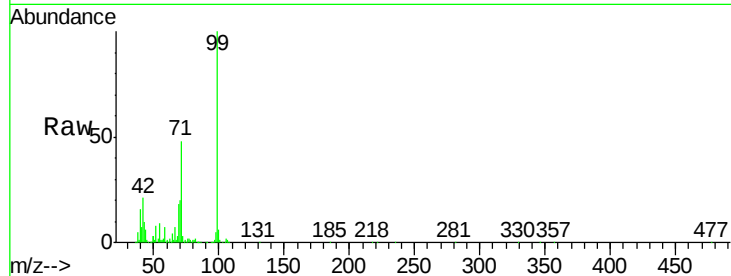
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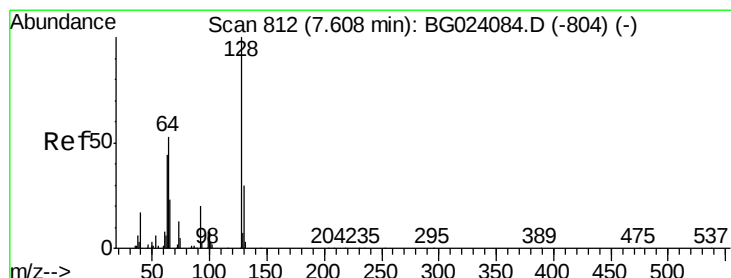
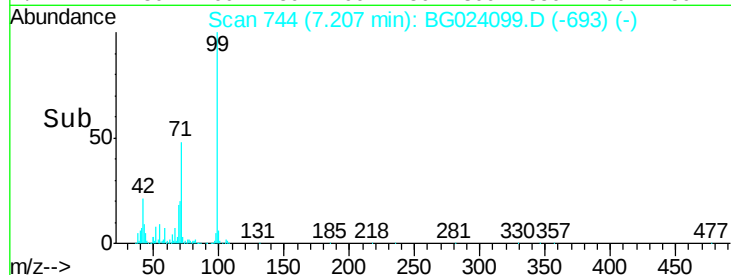
Tgt Ion:	99	Resp:	484386
Ion Ratio	Lower	Upper	
99	100		
42	21.0	17.8	26.6
71	48.2	41.5	62.3

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#8

2-Chlorophenol

Concen: 14.18 ng

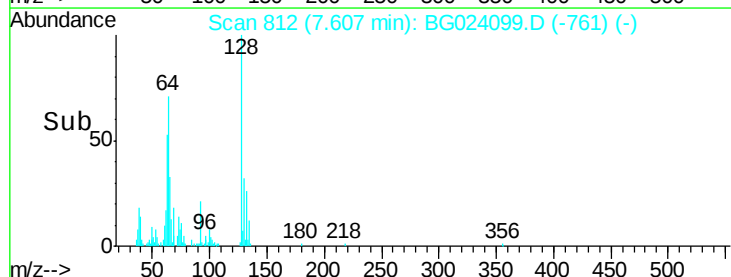
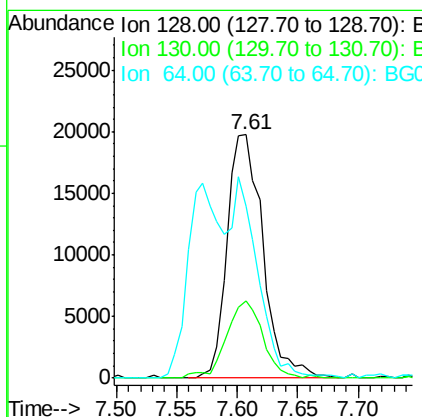
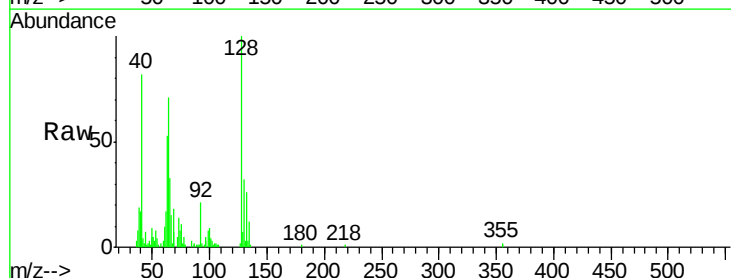
RT: 7.61 min Scan# 812

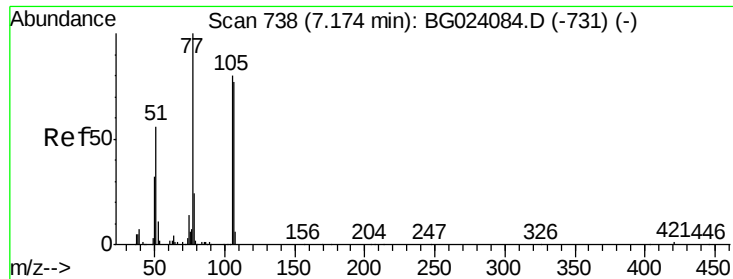
Delta R.T. -0.00 min

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





#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 :

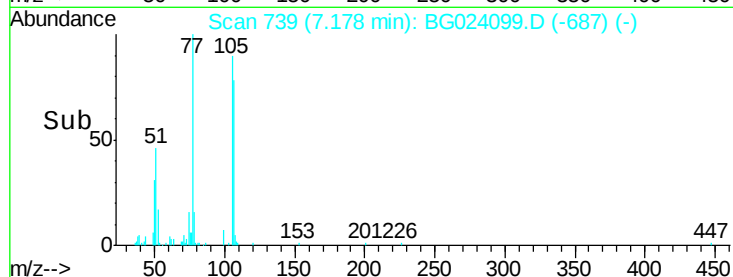
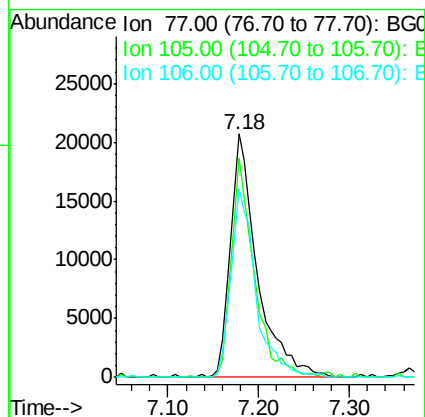
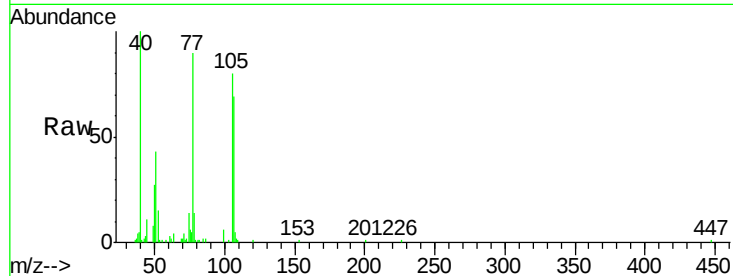
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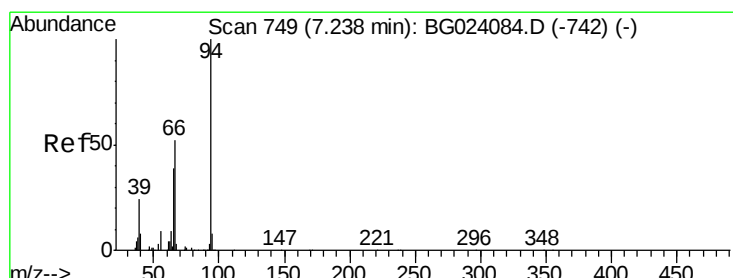
Tgt Ion:	77	Resp:	42975
Ion	Ratio	Lower	Upper
77	100		
105	89.9	58.7	98.7
106	77.5	67.5	107.5

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#10

Phenol

Concen: 14.36 ng

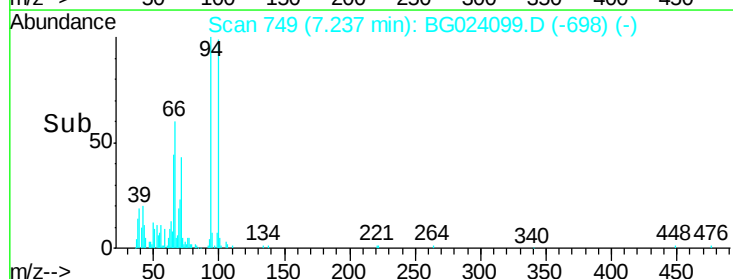
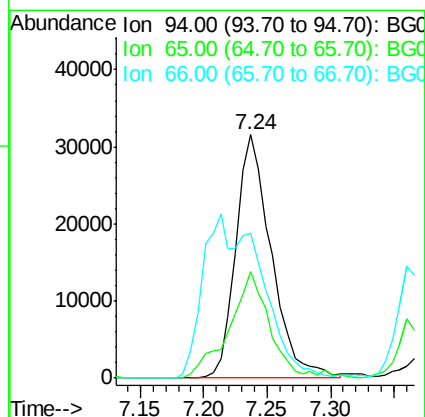
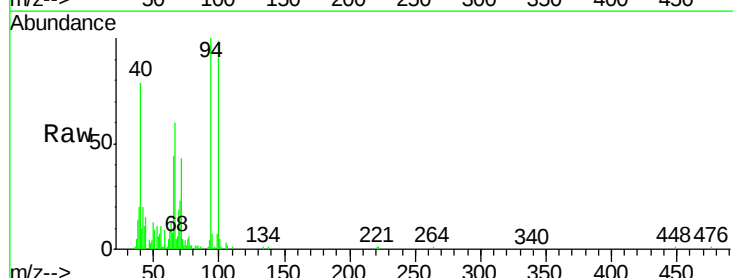
RT: 7.24 min Scan# 749

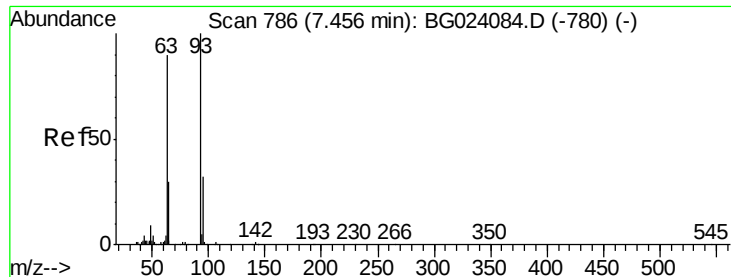
Delta R.T. -0.00 min

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



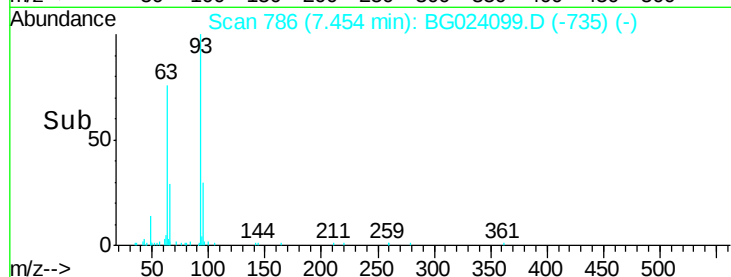
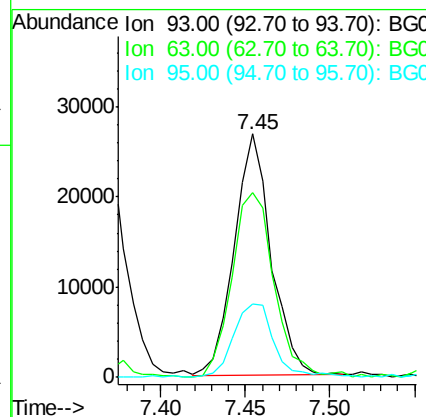
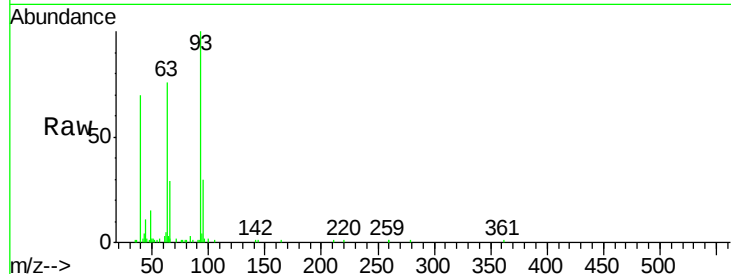


#11
bis(2-Chloroethyl)ether
Concen: 12.16 ng
RT: 7.45 min Scan# 786
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

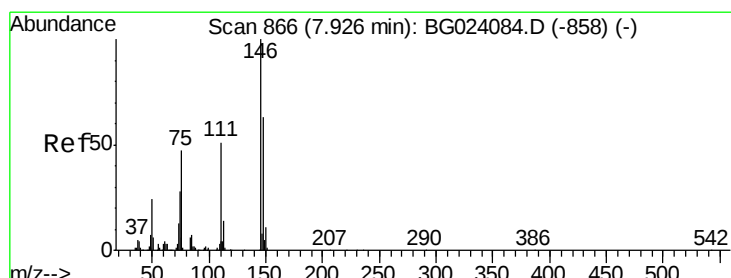
Tgt Ion	Ratio	Resp	Lower	Upper
93	100	40661		
63	76.1	55.0	95.0	
95	30.1	11.0	51.0	

Manual Integrations
APPROVED



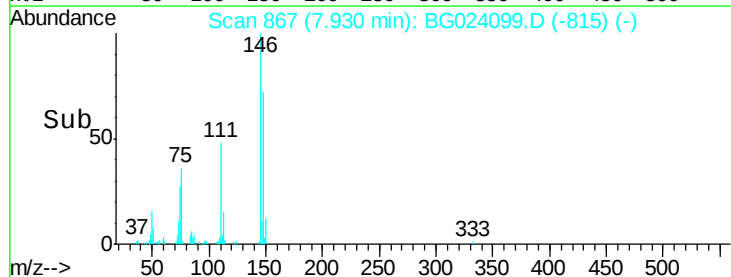
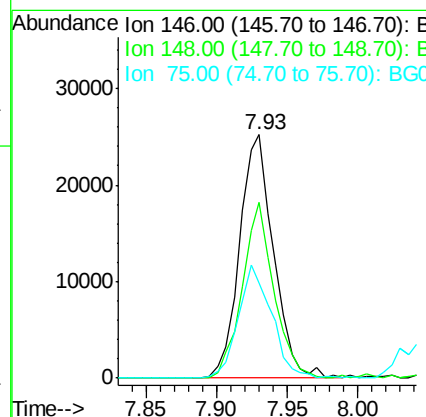
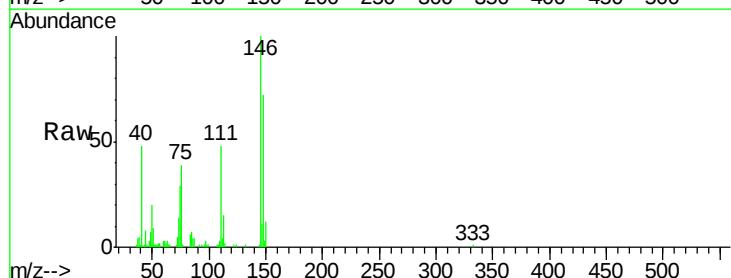
sohil

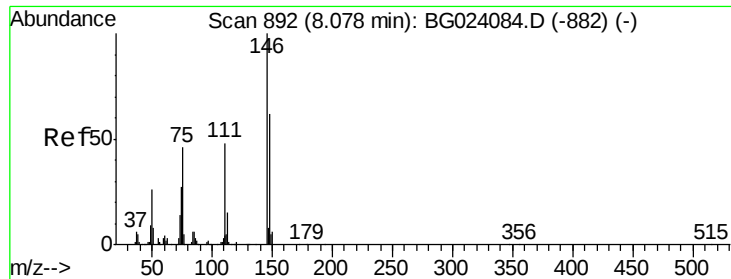
9/26/2016 6:41:21 PM



#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	Ratio	Resp	Lower	Upper
146	100	42181		
148	71.9	50.3	75.5	
75	39.0	37.0	55.6	



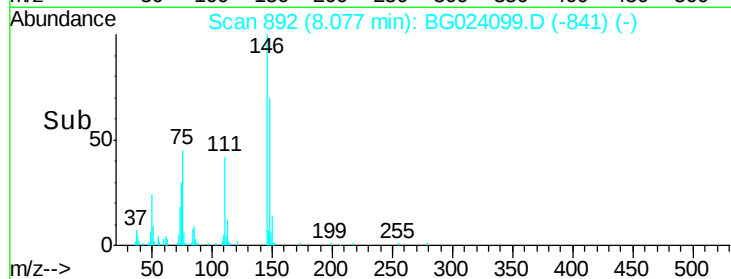
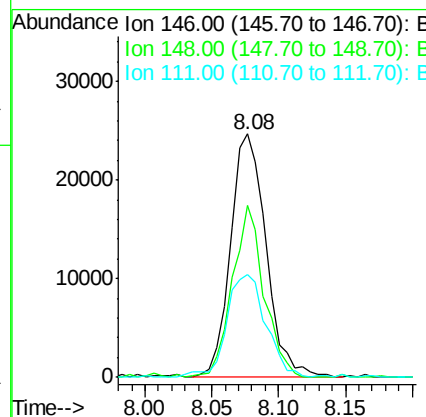
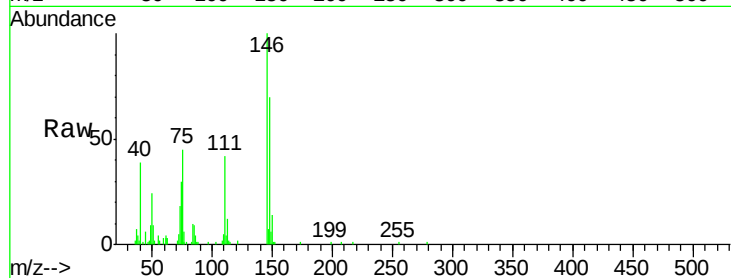


#13
1,4-Dichlorobenzene
Concen: 14.06 ng
RT: 8.08 min Scan# 892
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

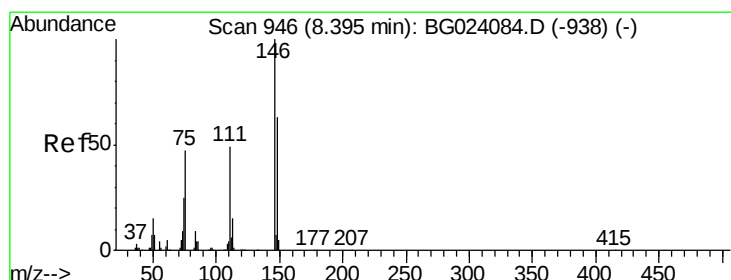
Tgt Ion	Ratio	Lower	Upper
146	100		
148	70.4	54.5	81.7
111	42.2	37.8	56.8

Manual Integrations
APPROVED



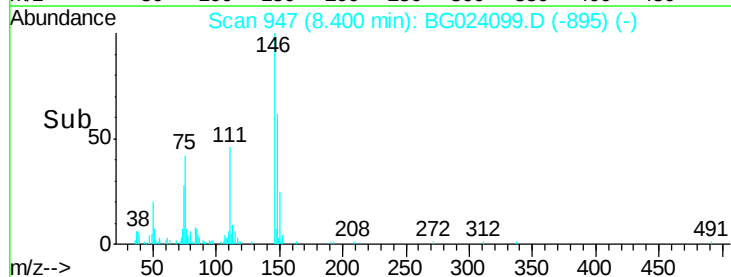
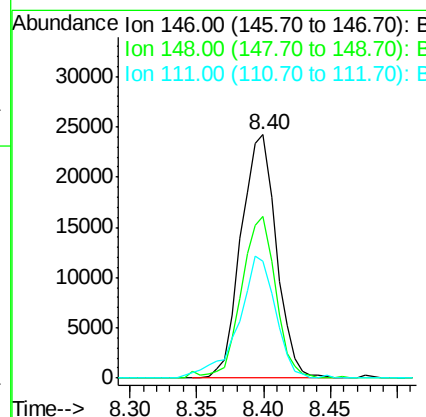
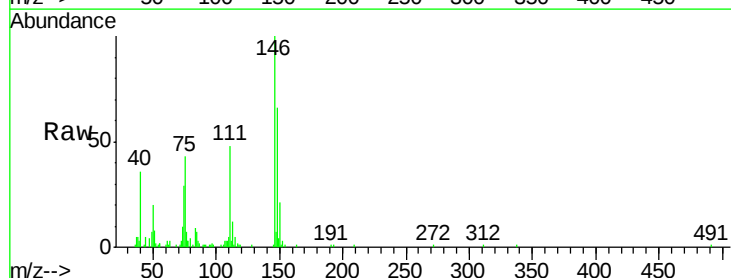
sohil

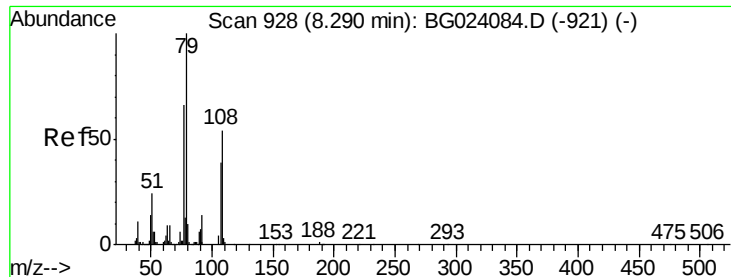
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#14
1,2-Dichlorobenzene
Concen: 13.92 ng
RT: 8.40 min Scan# 947
Delta R.T. 0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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



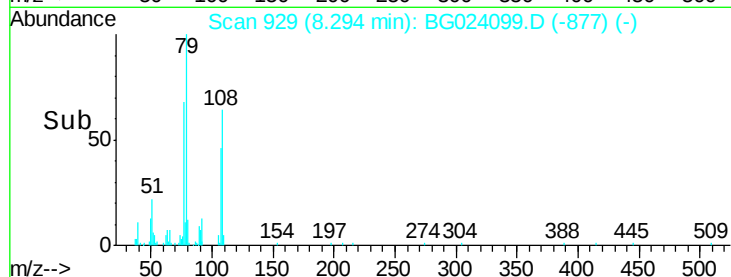
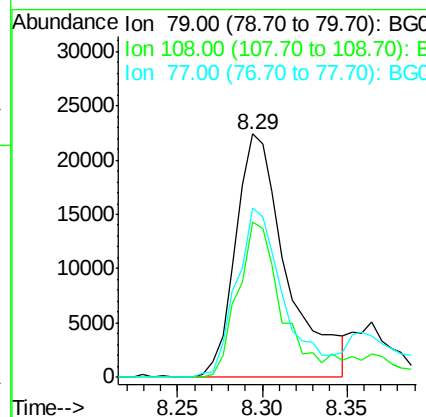
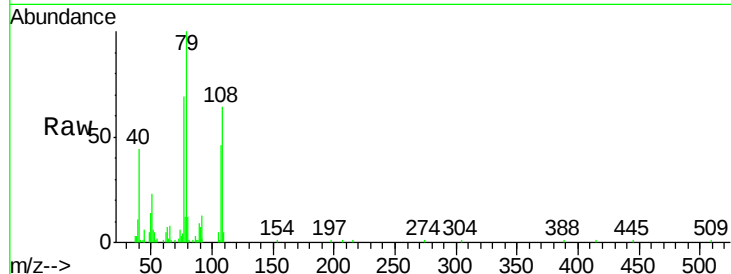


#15
Benzyl Alcohol
Concen: 12.09 ng
RT: 8.29 min Scan# 929
Delta R.T. 0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

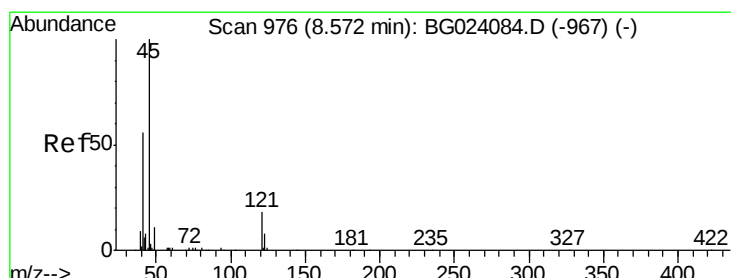
Tgt Ion	Ratio	Lower	Upper
79	100		
108	63.7	46.5	69.7
77	69.4	52.3	78.5

Manual Integrations
APPROVED



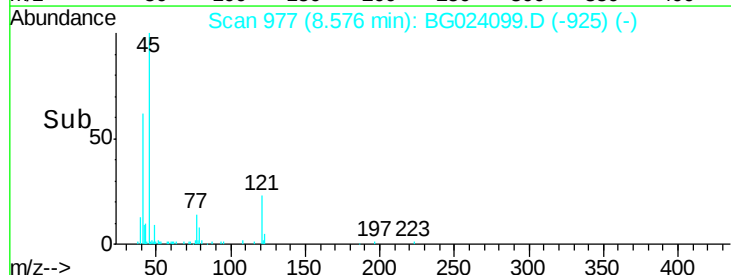
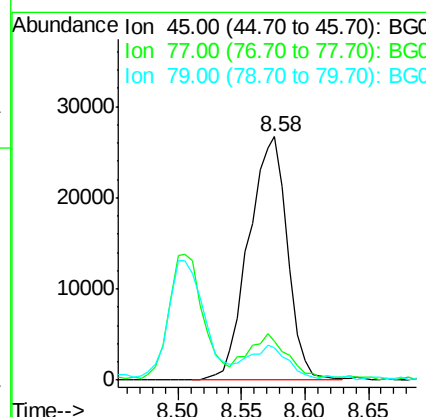
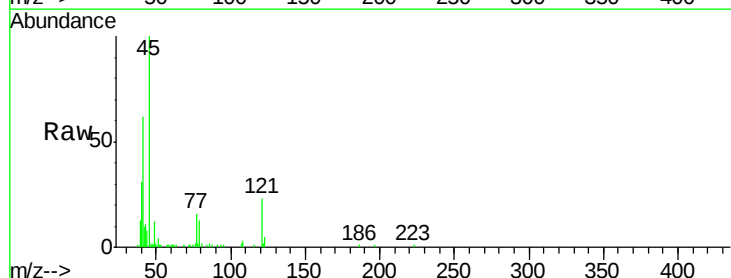
sohil

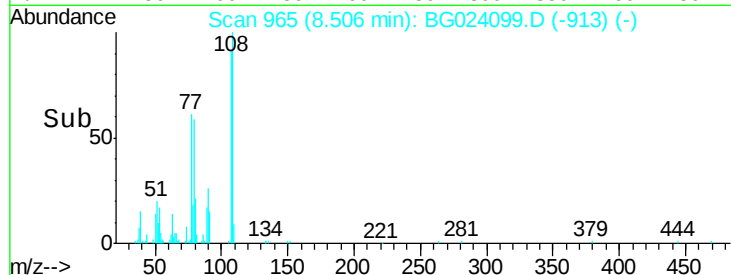
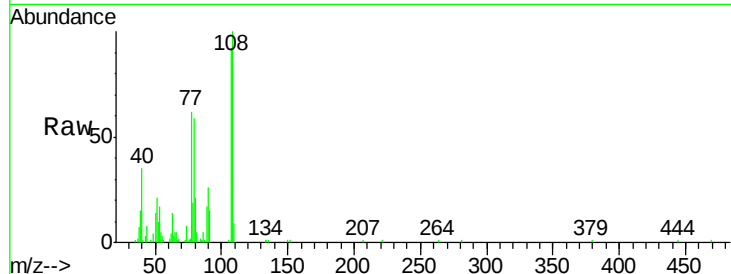
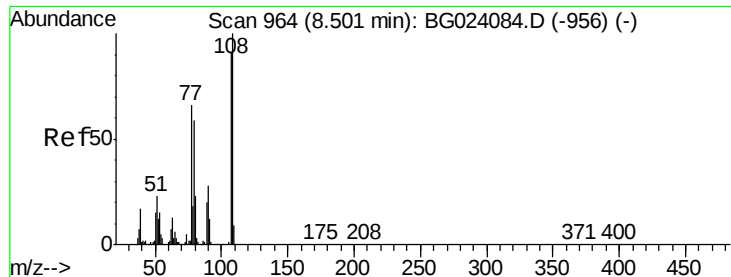
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 12.27 ng
RT: 8.58 min Scan# 977
Delta R.T. 0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

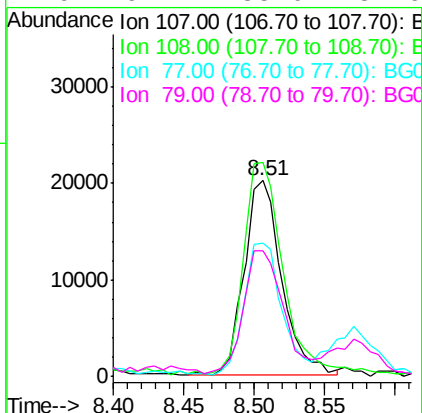
Tgt Ion	Ratio	Lower	Upper
45	100		
77	16.0	0.6	40.6
79	13.1	0.0	36.2





#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

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	37554		
108	109.1	92.0	138.0	
77	67.9	55.8	83.6	
79	64.4	55.0	82.6	

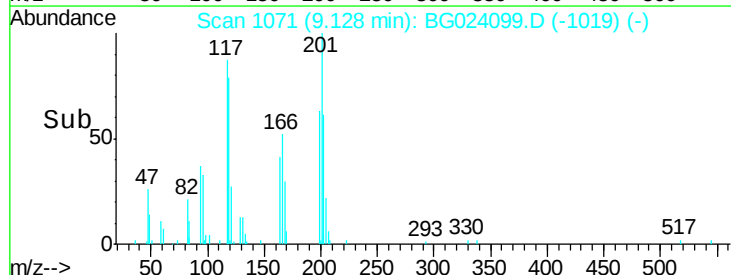
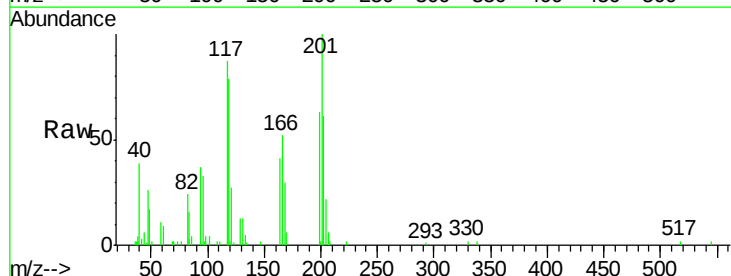
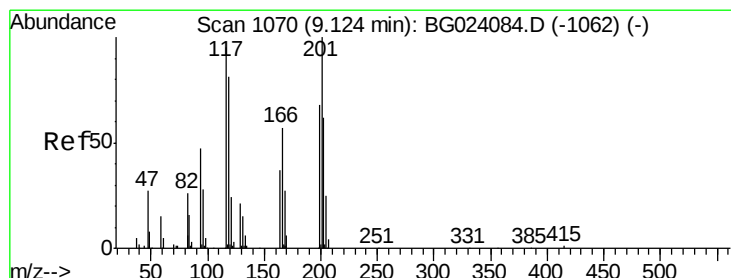


Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016--02-QT4

Manual Integrations
APPROVED

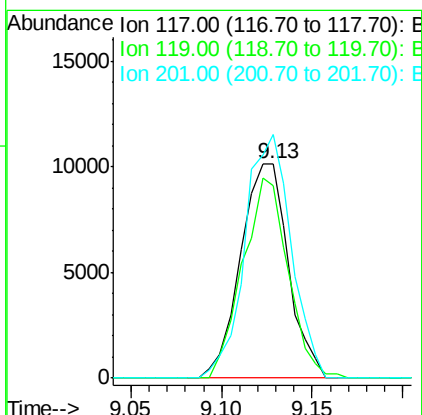
sohil

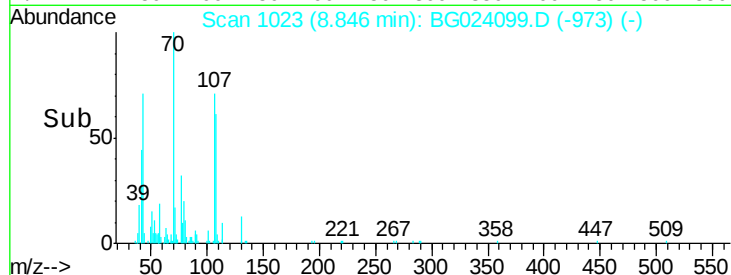
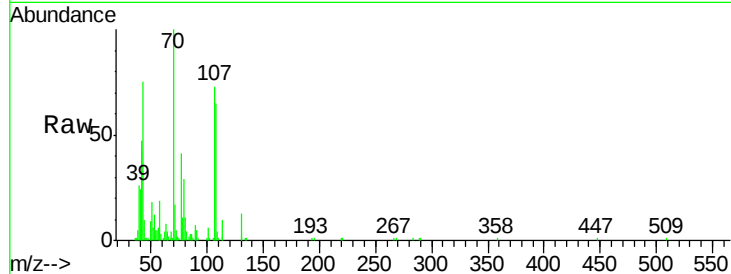
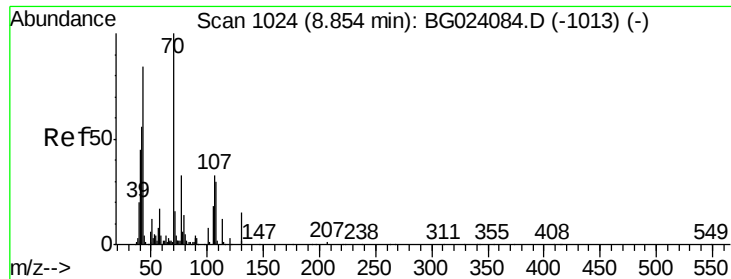
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#18
Hexachloroethane
Concen: 13.49 ng
RT: 9.13 min Scan# 1071
Delta R.T. 0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	18560		
119	89.4	73.7	110.5	
201	113.4	88.7	133.1	



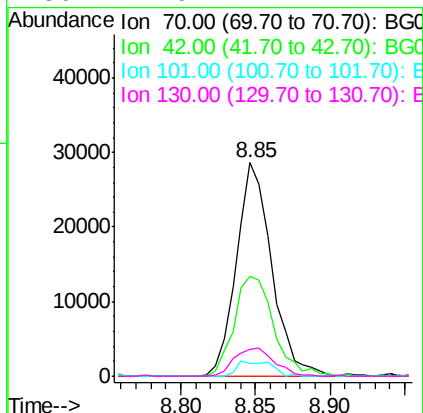


#19
n-Nitroso-di-n-propylamine
Concen: 11.90 ng
RT: 8.85 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

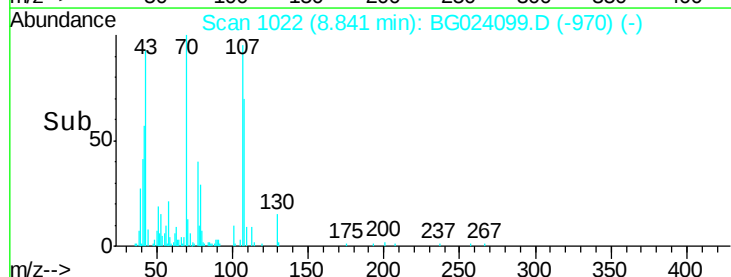
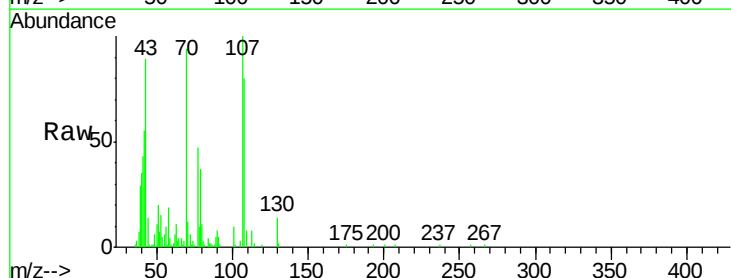
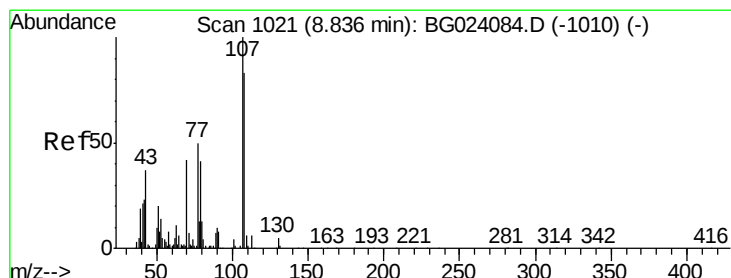
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016--02-QT4

Manual Integrations
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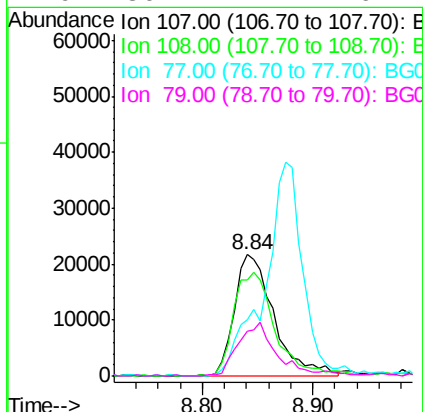
sohil

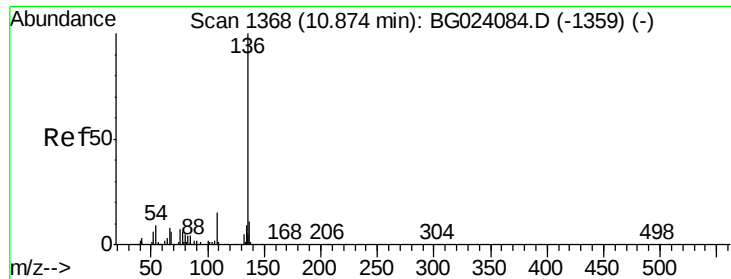
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#20
3+4-Methylphenols
Concen: 13.30 ng
RT: 8.84 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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



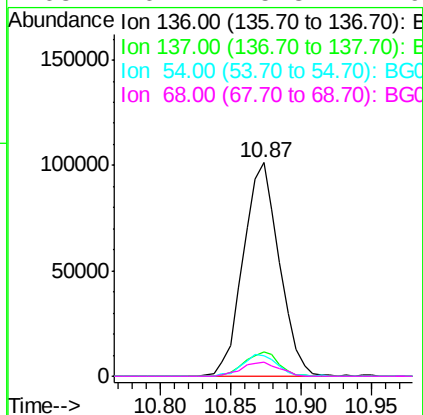
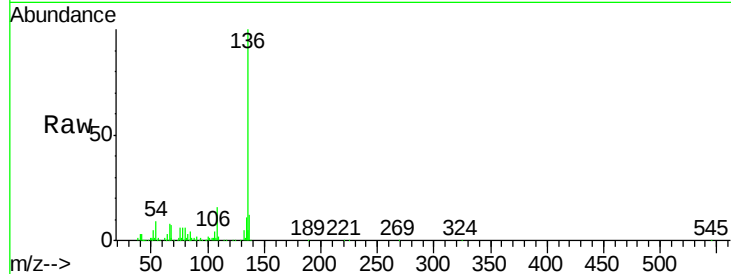


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.87 min Scan# 1368
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

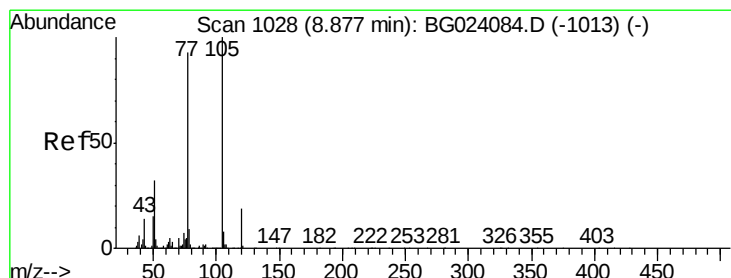
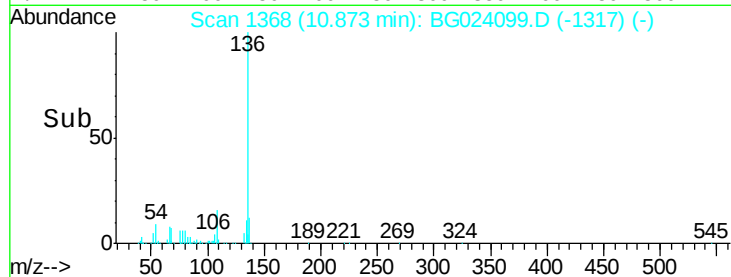
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	180983		
137	11.6	9.6	14.4	
54	9.4	7.3	10.9	
68	6.7	5.3	7.9	

Manual Integrations
APPROVED



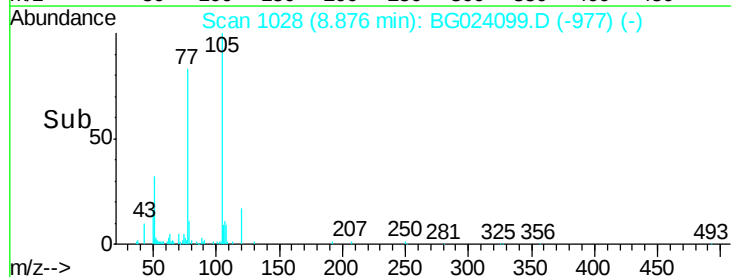
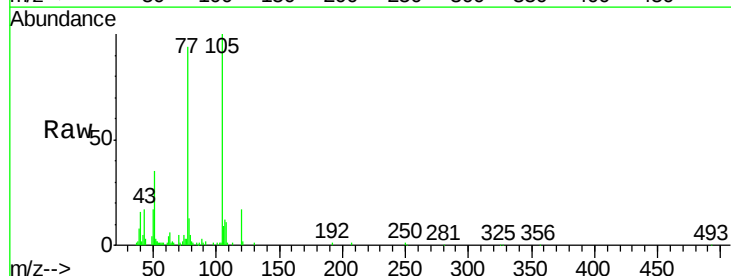
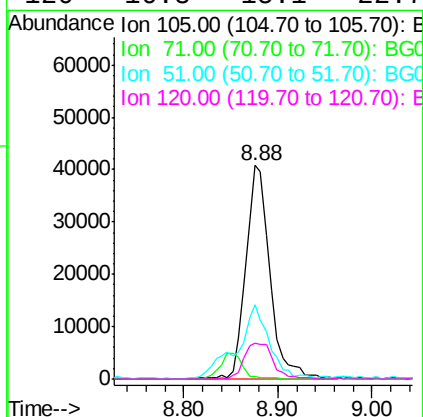
sohil

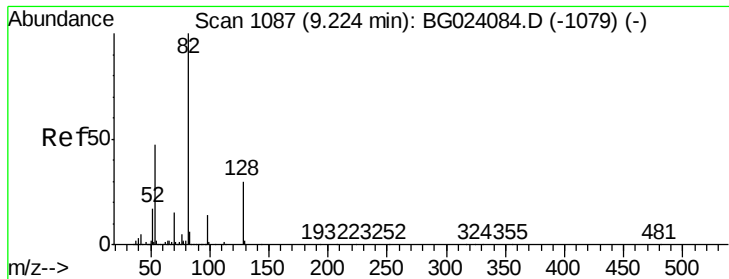
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#22
Acetophenone
Concen: 13.88 ng
RT: 8.88 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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



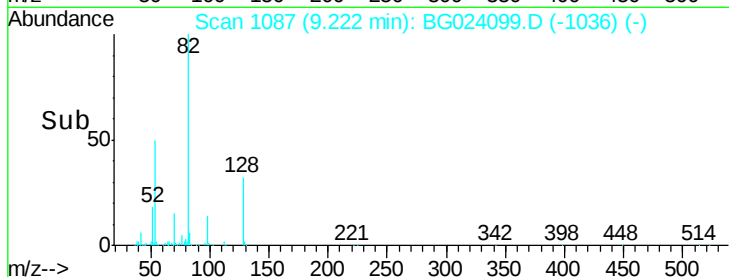
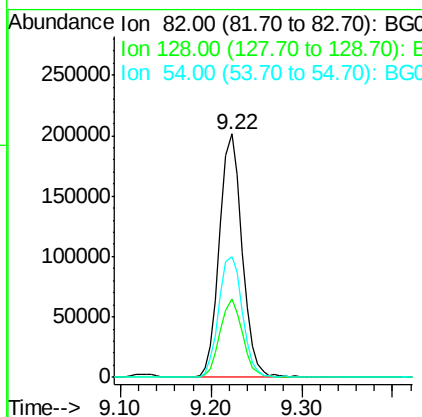
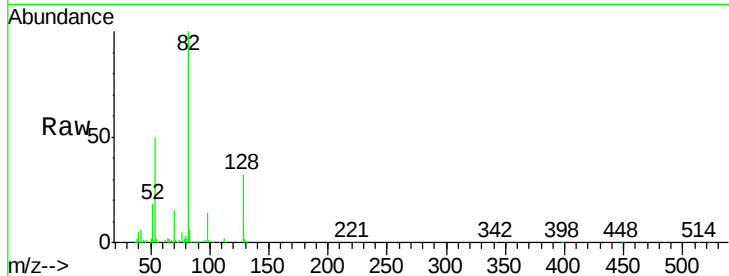


#23
 Nitrobenzene-d5
 Concen: 76.39 ng
 RT: 9.22 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

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

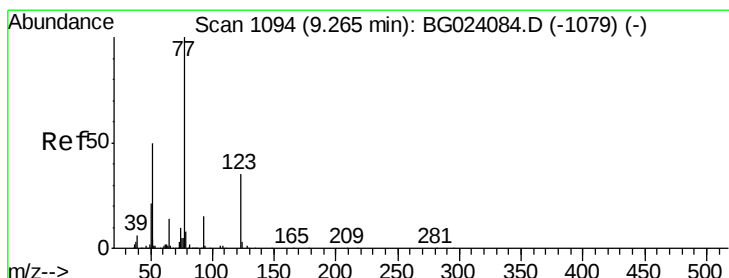
Tgt Ion	Ratio	Lower	Upper
82	100		
128	32.5	24.4	36.6
54	49.6	41.4	62.0

Manual Integrations
 APPROVED



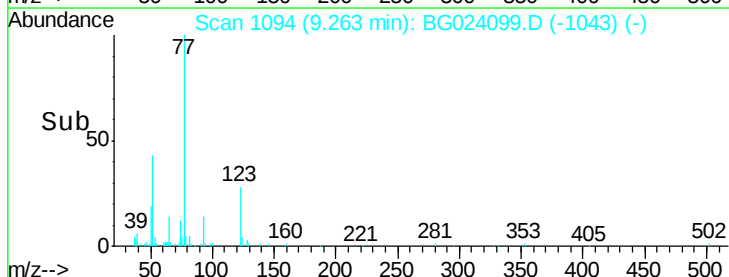
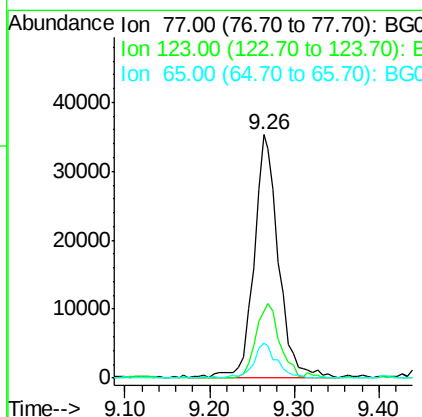
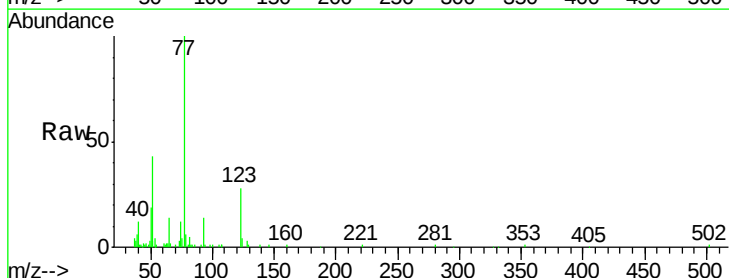
sohil

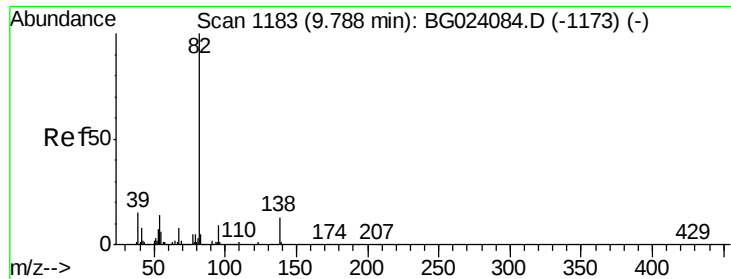
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#24
 Nitrobenzene
 Concen: 14.58 ng
 RT: 9.26 min Scan# 1094
 Delta R.T. -0.00 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

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



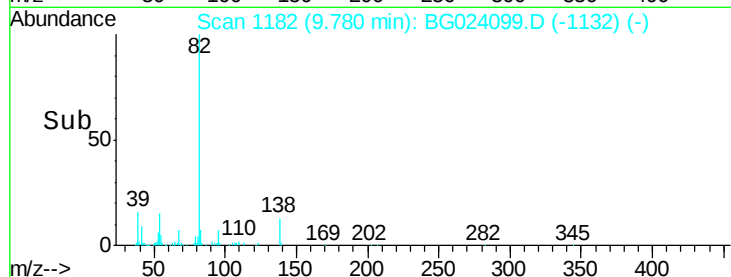
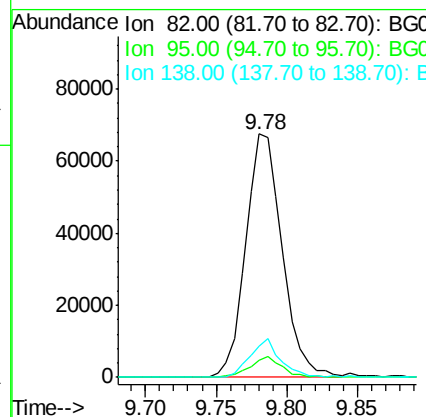
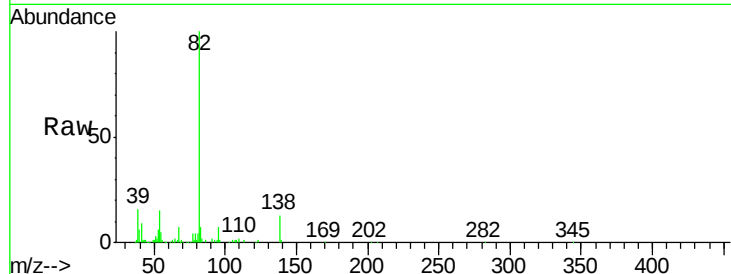


#25
Isophorone
Concen: 13.05 ng
RT: 9.78 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

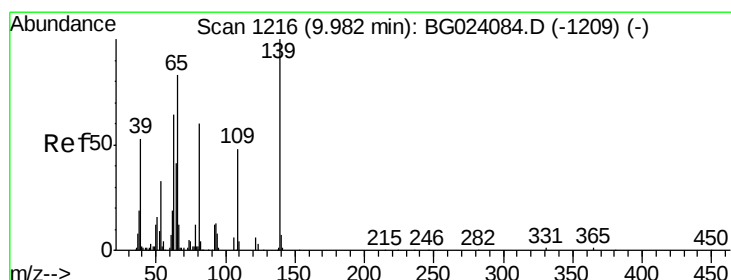
Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
95	7.2	8.2	12.2#
138	12.6	10.7	16.1

Manual Integrations
APPROVED



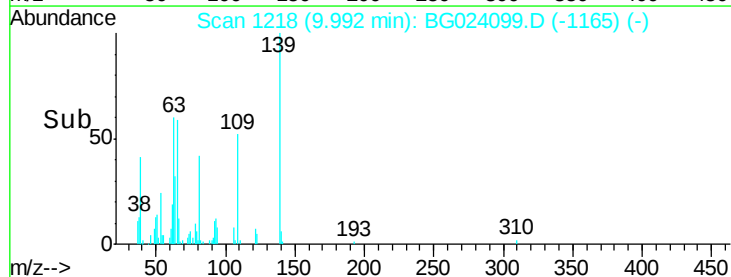
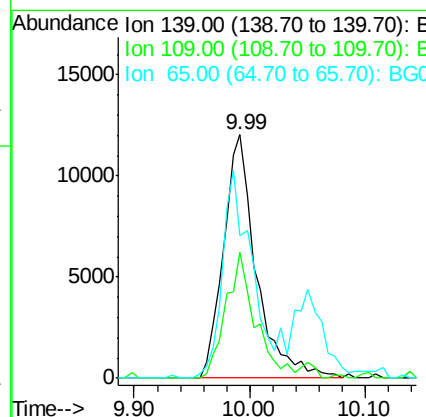
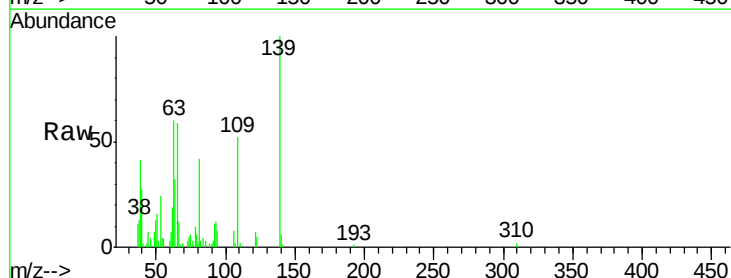
sohil

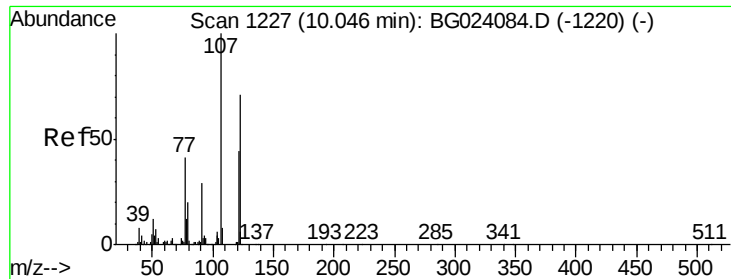
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#26
2-Nitrophenol
Concen: 13.52 ng
RT: 9.99 min Scan# 1218
Delta R.T. 0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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



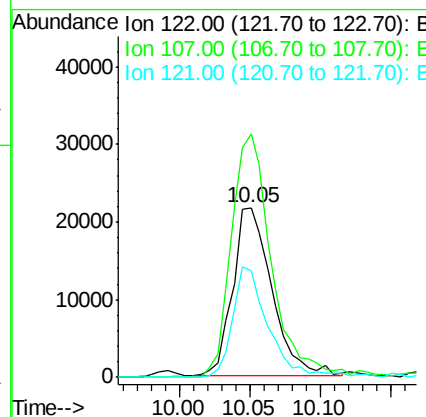
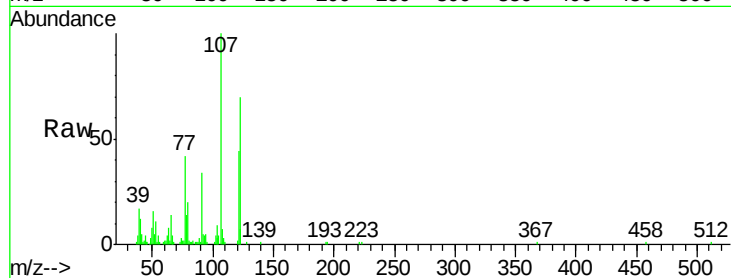


#27
2,4-Dimethylphenol
Concen: 14.43 ng
RT: 10.05 min Scan# 1228
Delta R.T. 0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

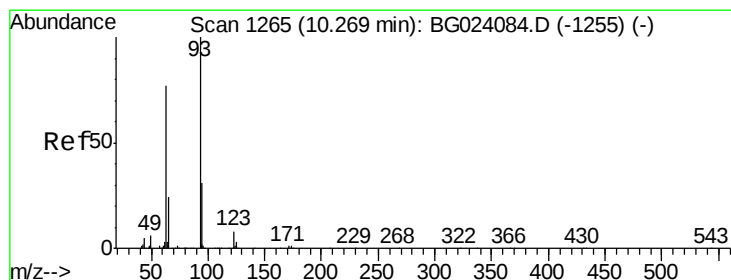
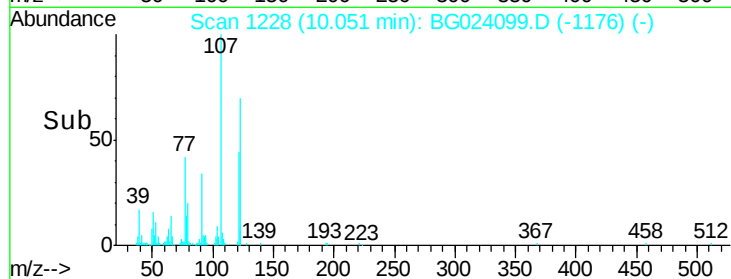
Tgt Ion	Ratio	Lower	Upper
122	100		
107	143.2	117.0	175.4
121	62.6	50.1	75.1

Manual Integrations
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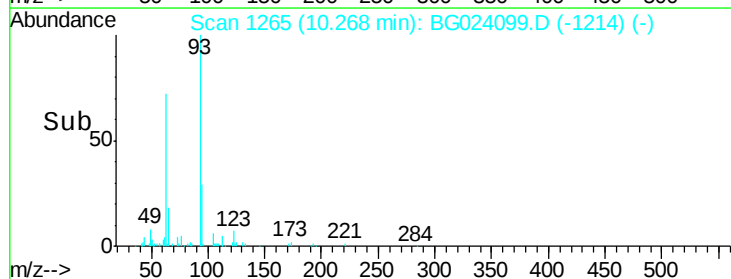
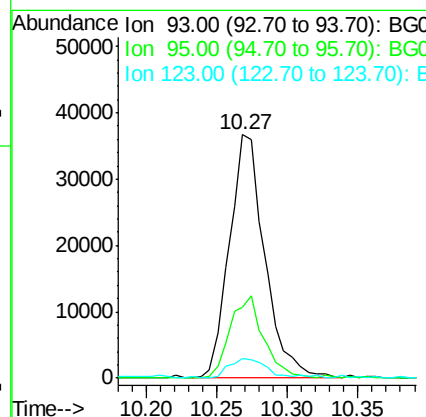
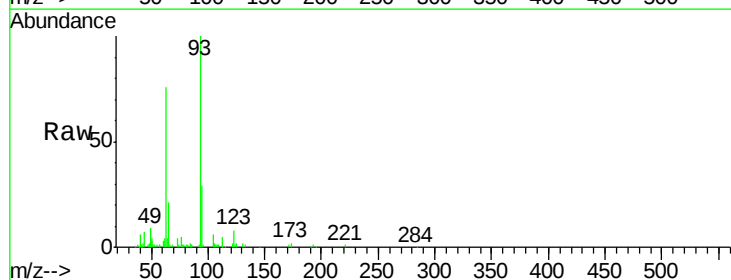
sohil

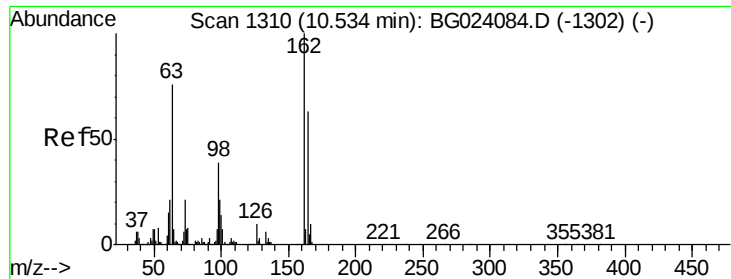
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#28
bis(2-Chloroethoxy)methane
Concen: 14.13 ng
RT: 10.27 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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



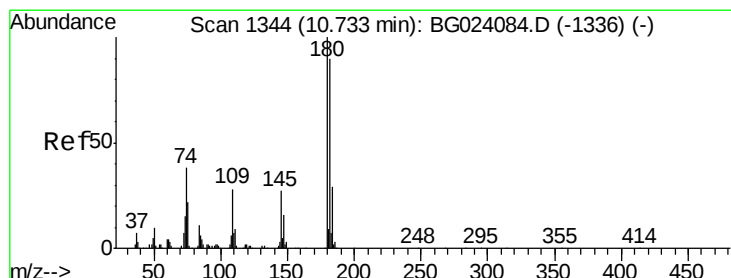
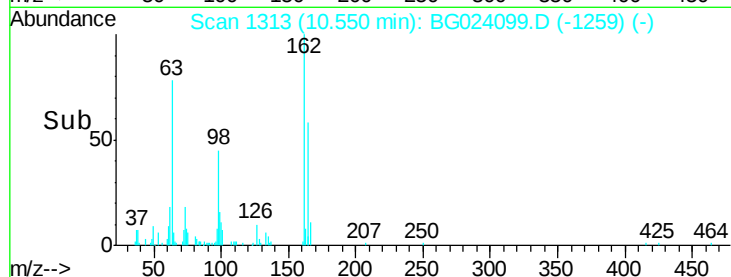
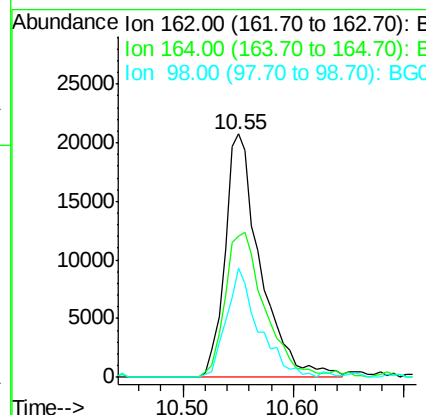
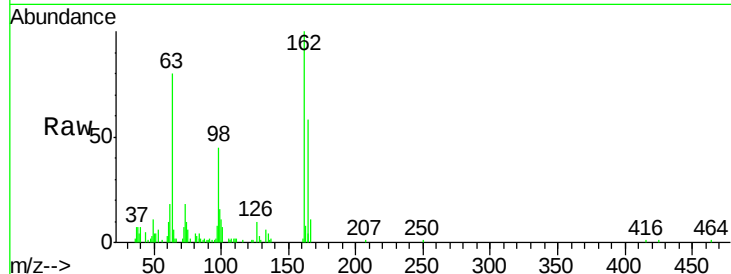


#29
2,4-Dichlorophenol
Concen: 15.21 ng
RT: 10.55 min Scan# 1313
Delta R.T. 0.02 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

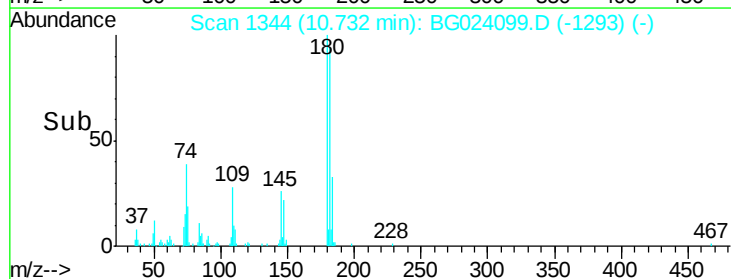
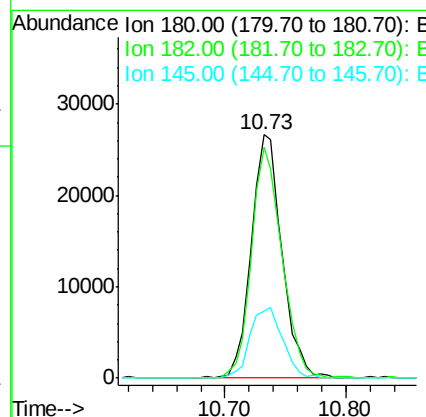
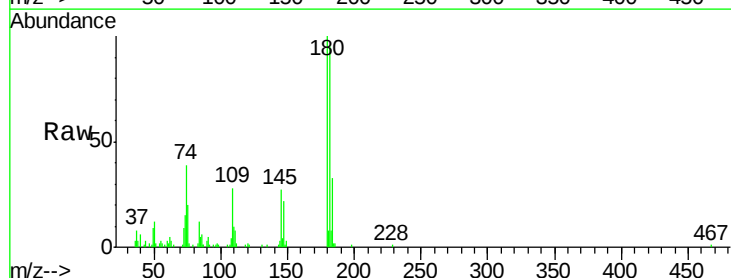
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	46227		
164	58.1	44.3	84.3	
98	44.7	19.5	59.5	

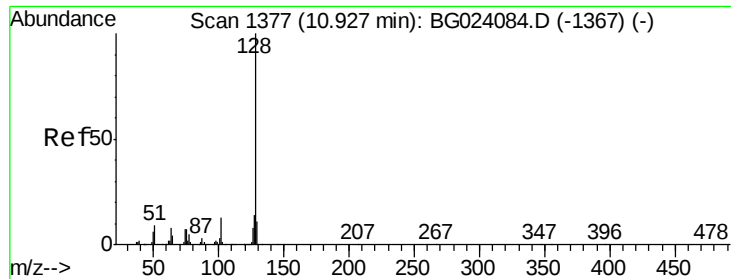
Manual Integrations
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#30
1,2,4-Trichlorobenzene
Concen: 14.49 ng
RT: 10.73 min Scan# 1344
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	47119		
182	94.8	73.8	110.8	
145	27.4	24.4	36.6	



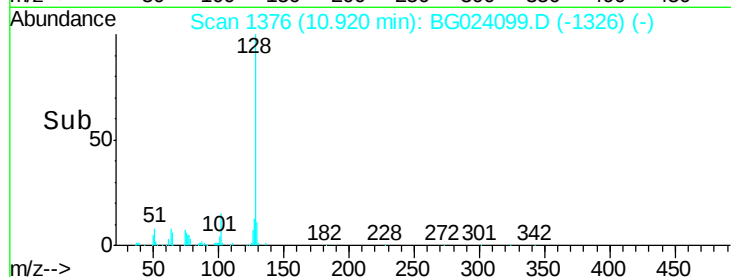
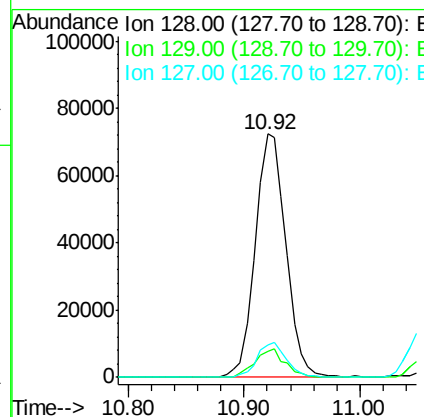
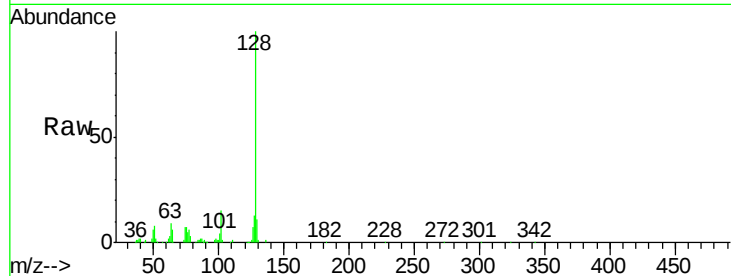


#31
Naphthalene
Concen: 14.60 ng
RT: 10.92 min Scan# 1376
Delta R.T. -0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

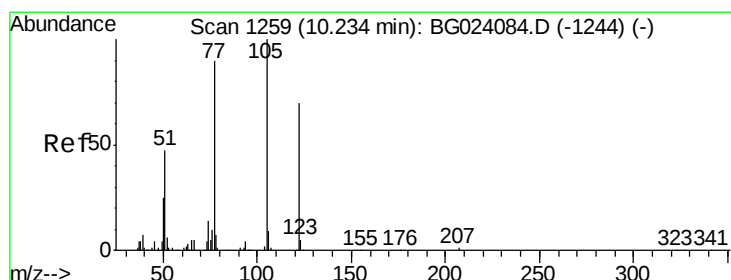
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	133895		
129	10.8	9.4	14.0	
127	13.1	11.3	16.9	

Manual Integrations
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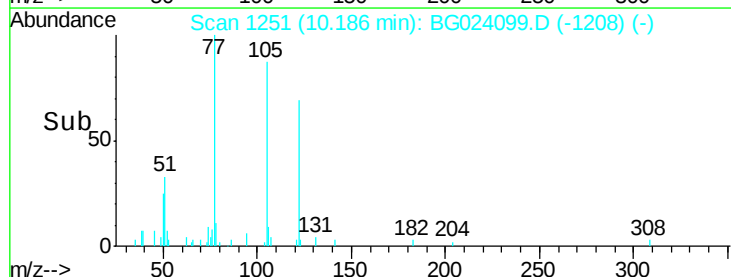
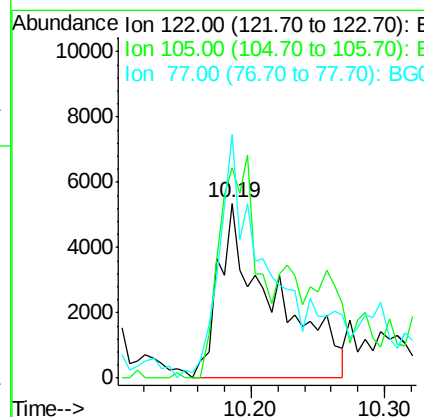
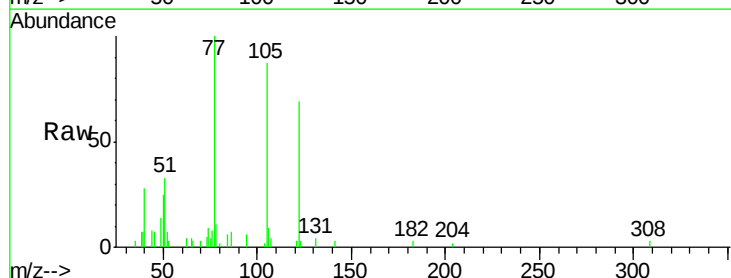
sohil

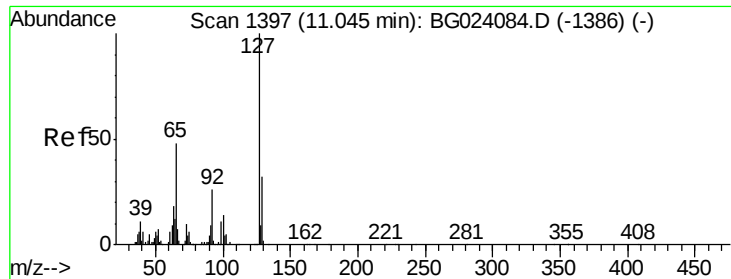
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#32
Benzoic acid
Concen: 9.22 ng
RT: 10.19 min Scan# 1251
Delta R.T. -0.05 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	15087		
105	120.8	117.2	157.2	
77	139.5	109.2	149.2	



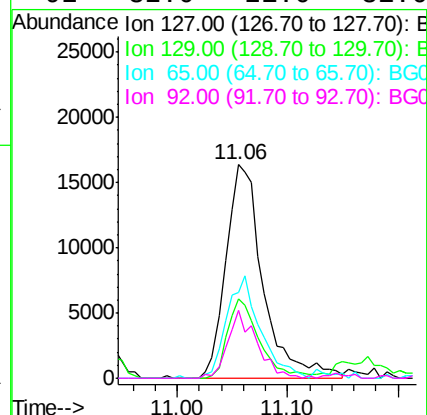
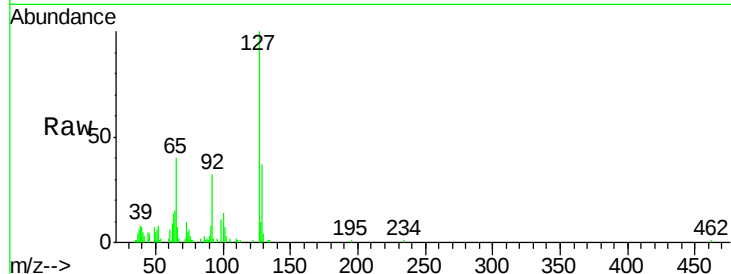


#33
4-Chloroaniline
Concen: 9.40 ng
RT: 11.06 min Scan# 1399
Delta R.T. 0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

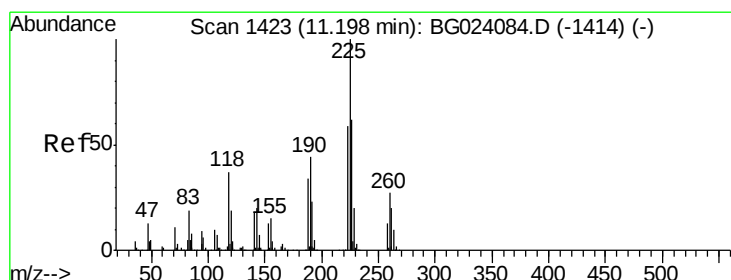
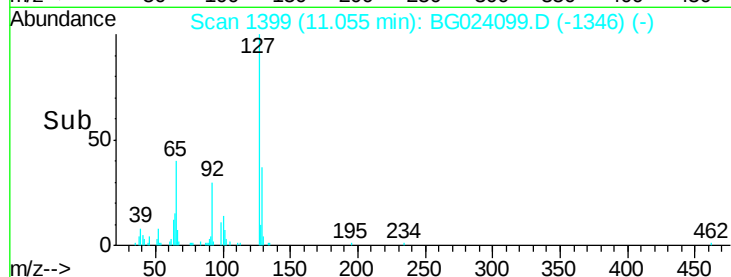
Tgt Ion	Ratio	Resp	Lower	Upper
127	100	38483		
129	36.9		27.9	41.9
65	40.3		36.8	55.2
92	32.0		21.0	31.6

Manual Integrations
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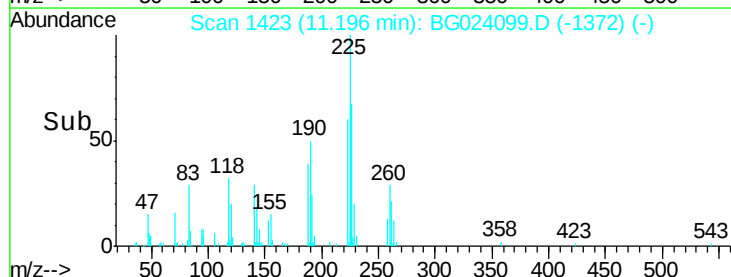
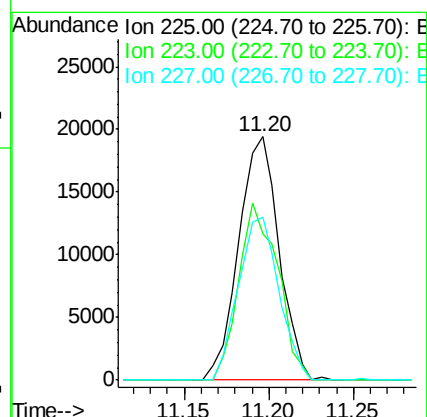
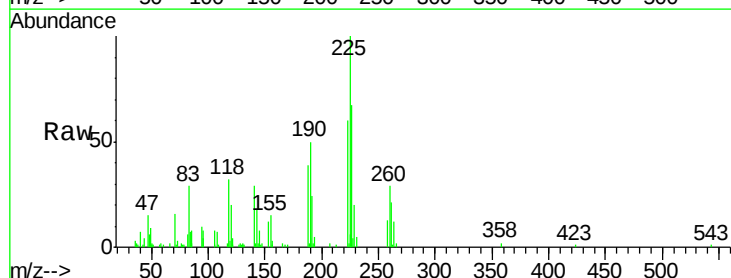
sohil

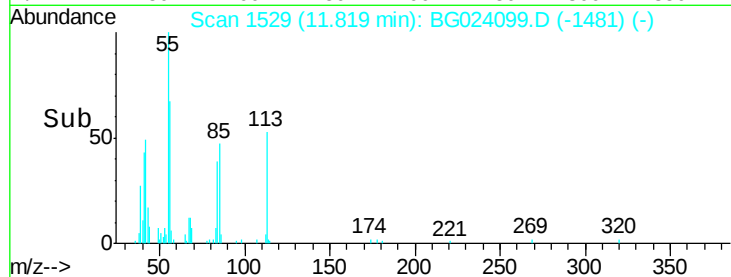
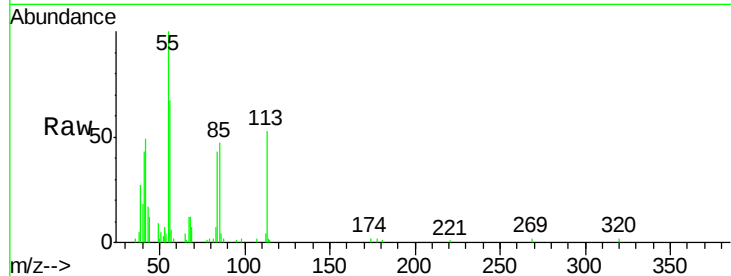
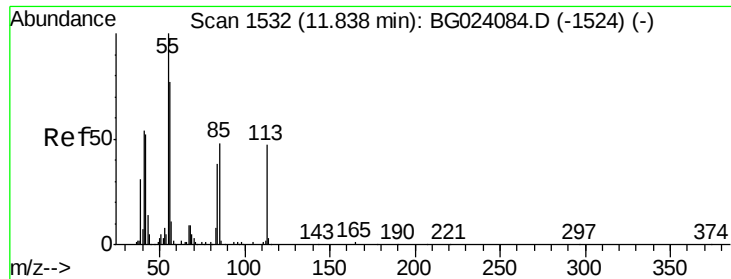
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#34
Hexachlorobutadiene
Concen: 12.62 ng
RT: 11.20 min Scan# 1423
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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



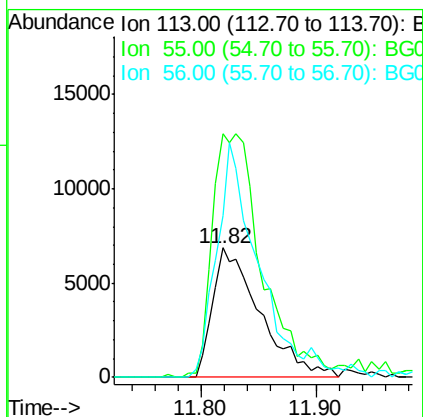


#35
 Caprolactam
 Concen: 15.74 ng
 RT: 11.82 min Scan# 1529
 Delta R.T. -0.02 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

Tgt Ion	Ratio	Lower	Upper
113	100		
55	187.9	154.5	194.5
56	125.1	125.1	165.1

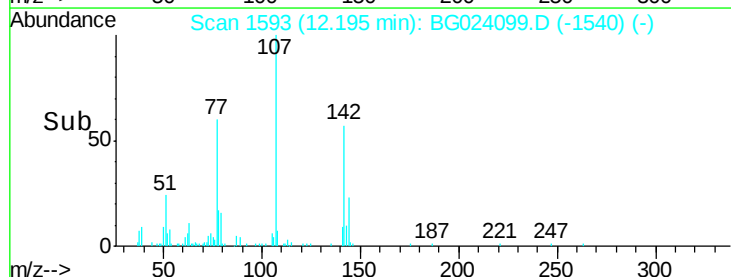
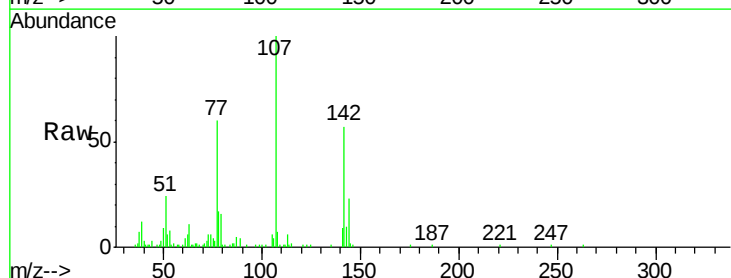
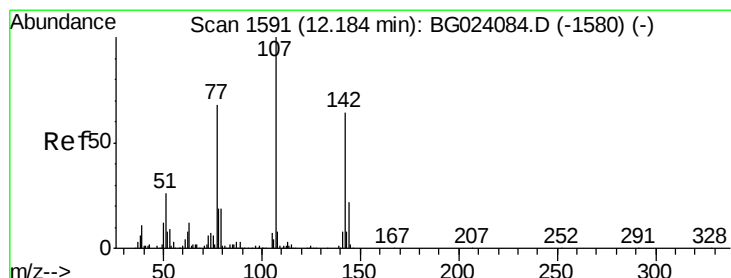
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

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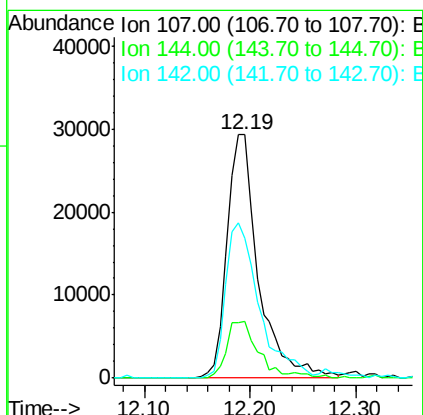
sohil

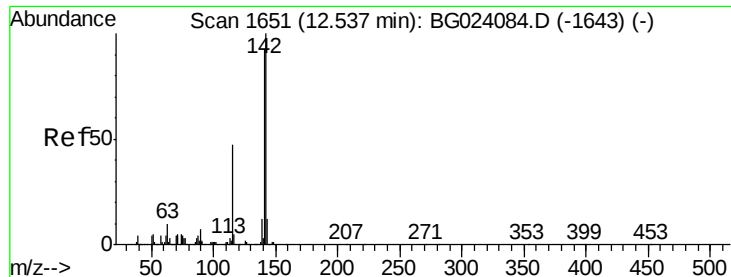
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#36
 4-Chloro-3-methylphenol
 Concen: 14.10 ng
 RT: 12.19 min Scan# 1593
 Delta R.T. 0.01 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.3	17.0	25.6
142	57.2	53.0	79.6



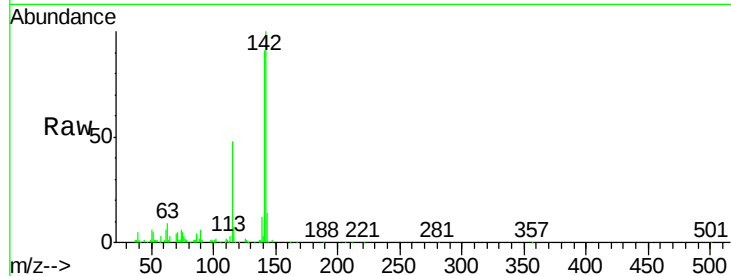


#37
2-Methylnaphthalene
Concen: 14.82 ng
RT: 12.54 min Scan# 1651
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

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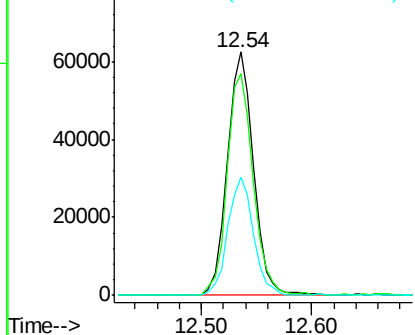


Abundance

Ion 142.00 (141.70 to 142.70): E

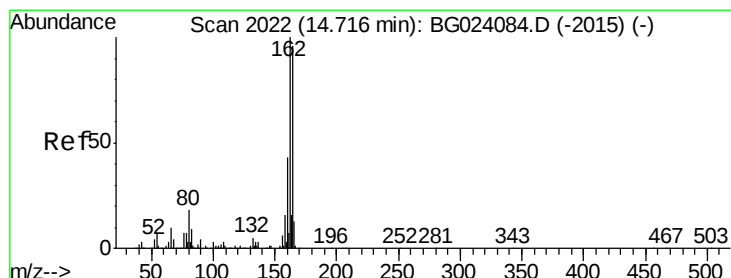
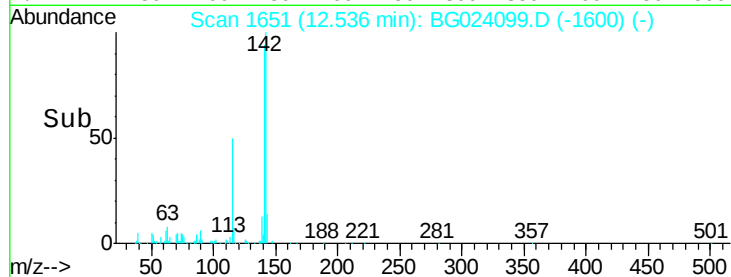
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



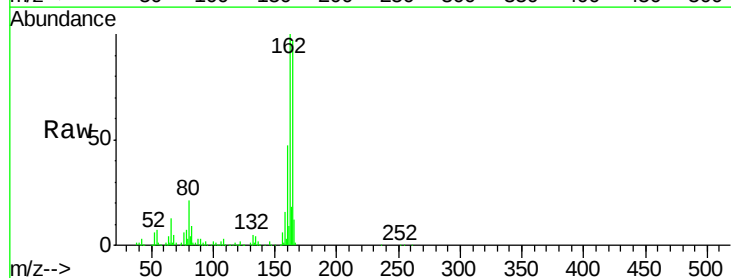
sohil

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#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

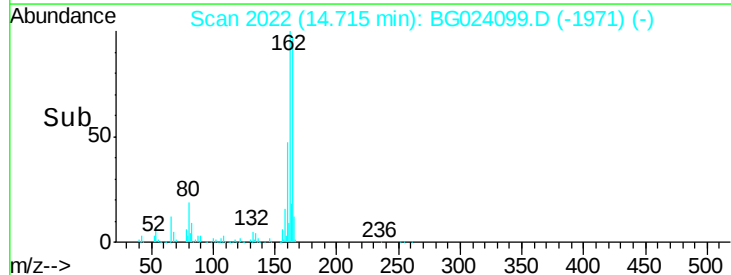
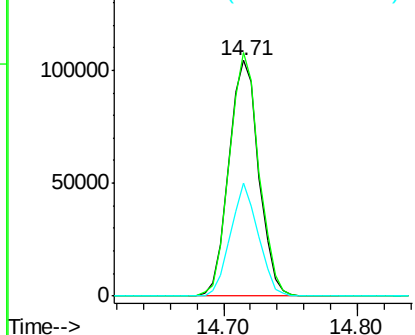


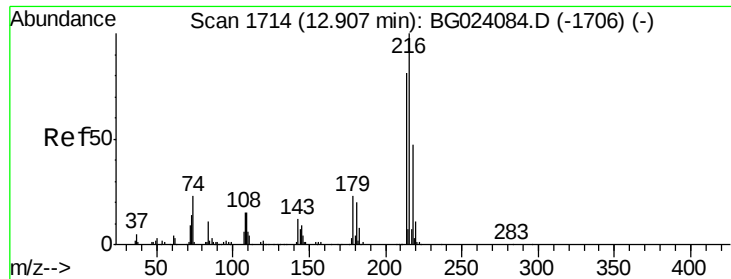
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



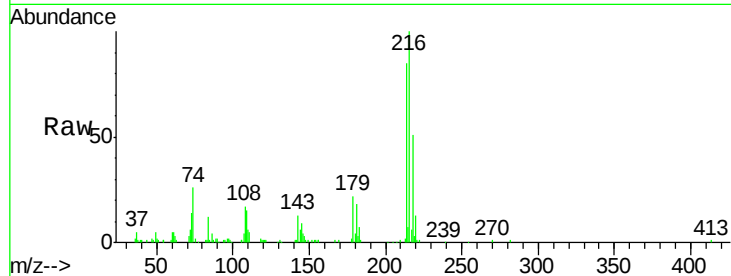


#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 13.39 ng
 RT: 12.91 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

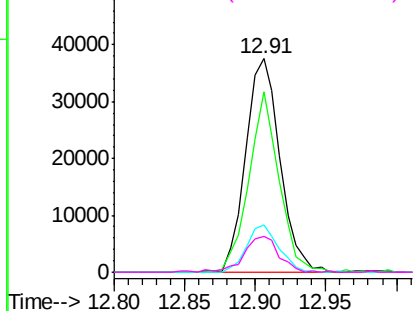
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

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

Manual Integrations
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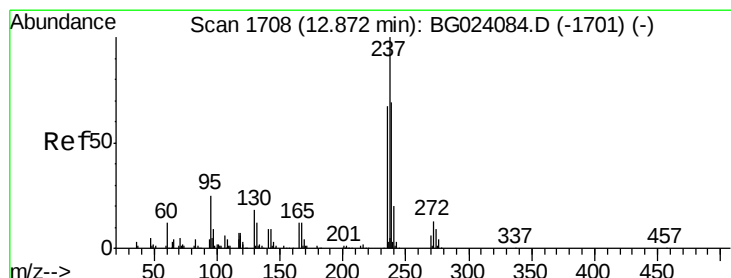
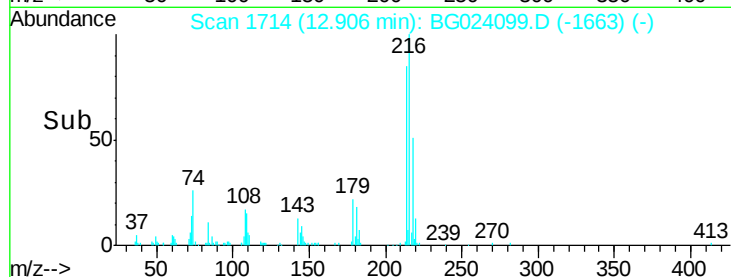


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E



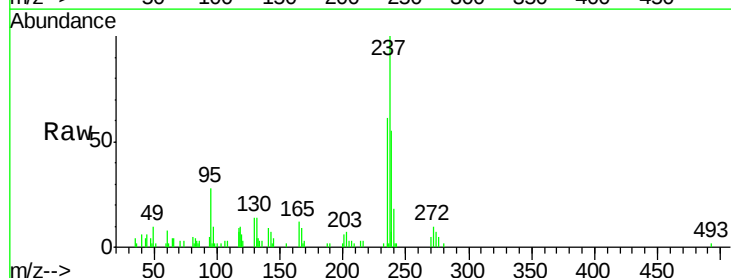
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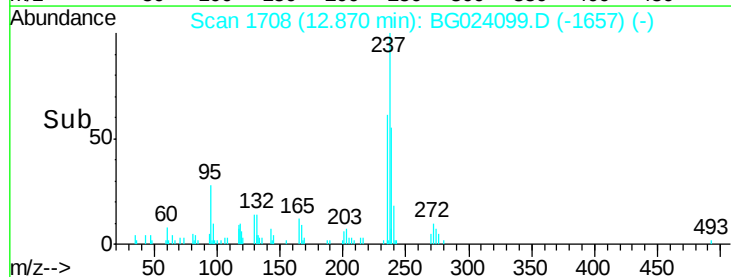
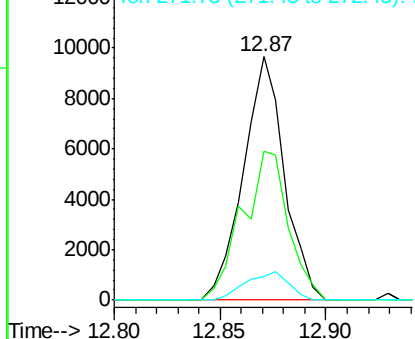


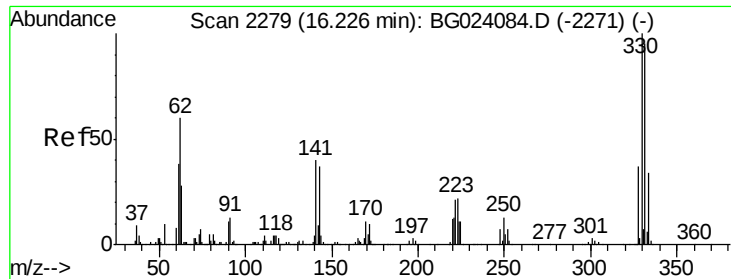
#40
 Hexachlorocyclopentadiene
 Concen: 10.94 ng
 RT: 12.87 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	13060		
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



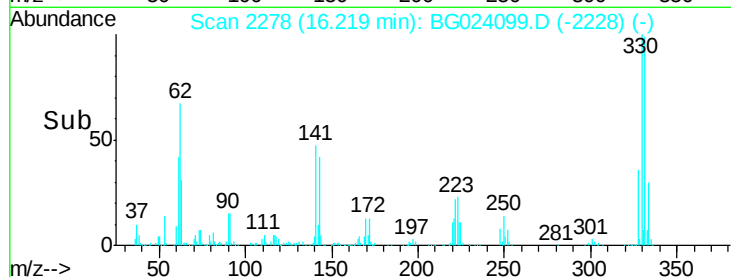
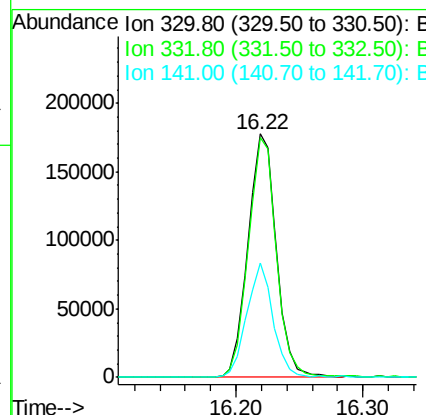
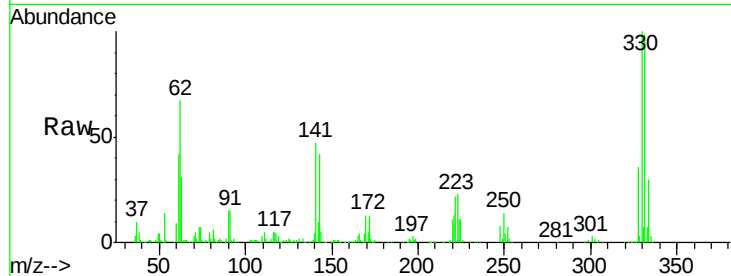


#41
2,4,6-Tribromophenol
Concen: 117.35 ng
RT: 16.22 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

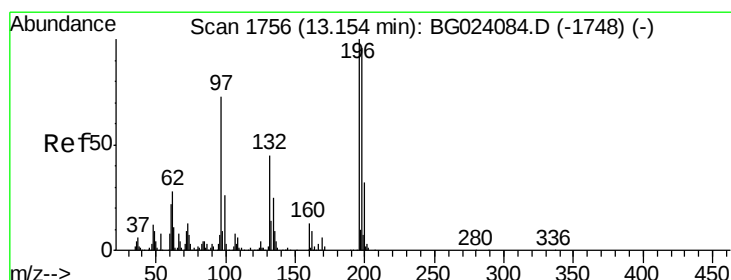
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	275787		
332	97.5	77.4	116.2	
141	43.5	31.7	47.5	

Manual Integrations
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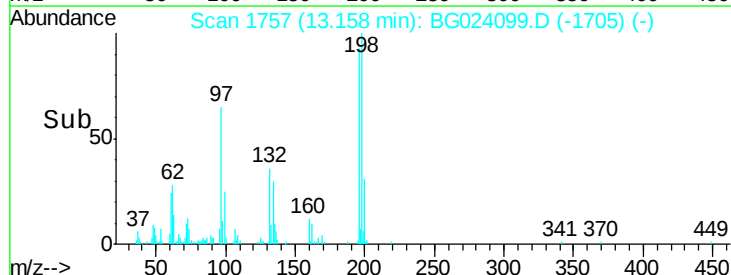
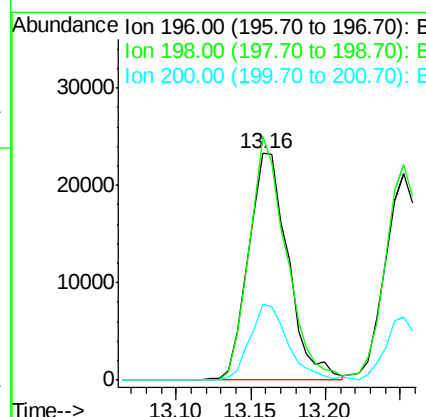
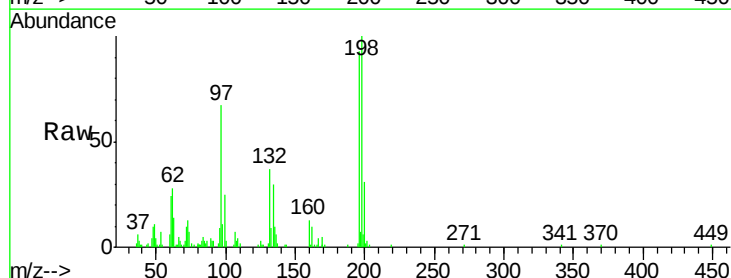
sohil

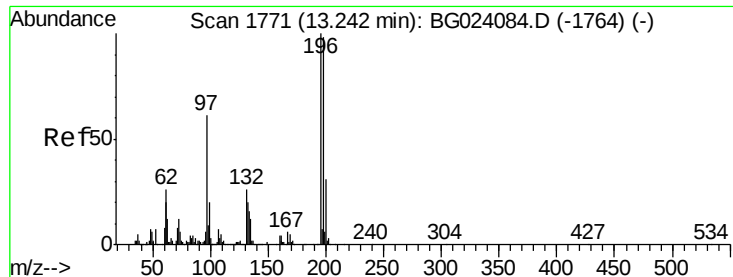
9/26/2016 6:41:21 PM



#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	Ratio	Resp	Lower	Upper
196	100	42720		
198	107.3	78.2	117.2	
200	33.5	27.0	40.4	



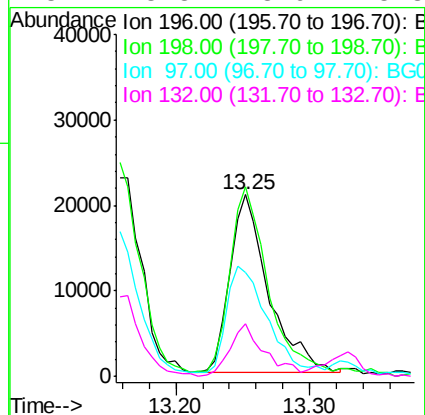
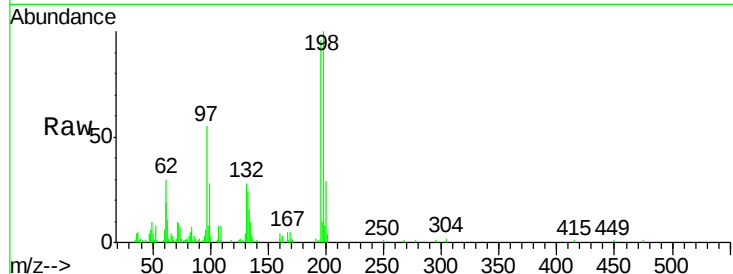


#43
 2,4,5-Trichlorophenol
 Concen: 13.30 ng
 RT: 13.25 min Scan# 1773
 Delta R.T. 0.01 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

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

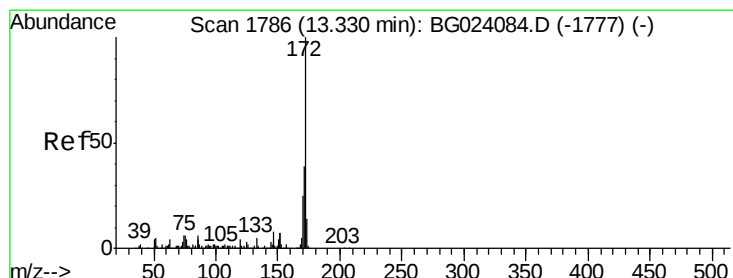
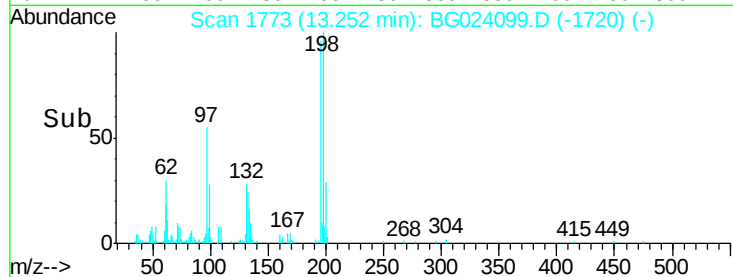
Tgt Ion	Ratio	Lower	Upper
196	100		
198	104.1	85.7	128.5
97	57.3	45.5	68.3
132	28.8	18.9	28.3

Manual Integrations
 APPROVED



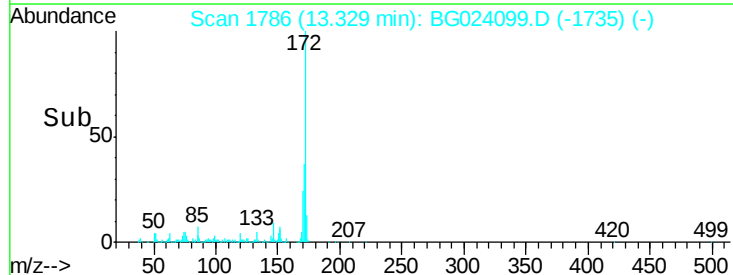
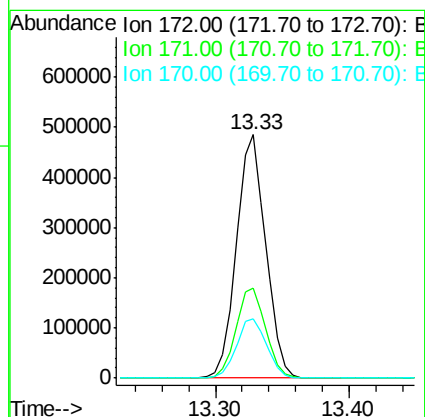
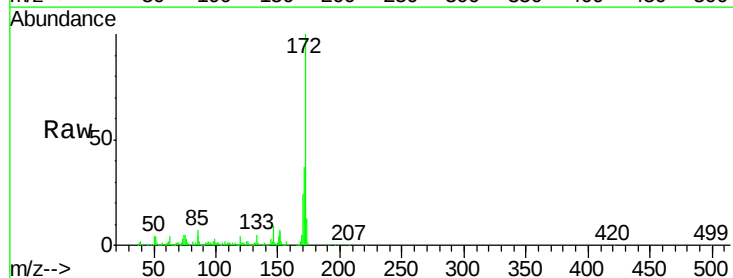
sohil

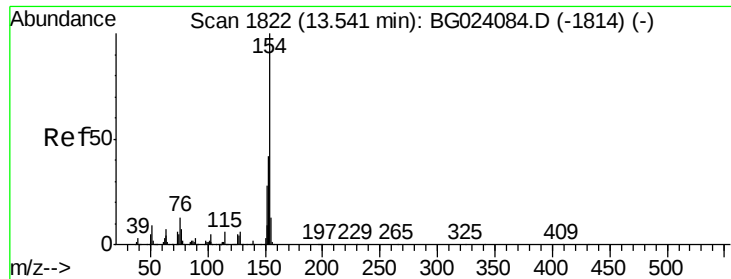
9/26/2016 6:41:21 PM



#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	Ratio	Lower	Upper
172	100		
171	36.9	31.6	47.4
170	24.5	21.3	31.9



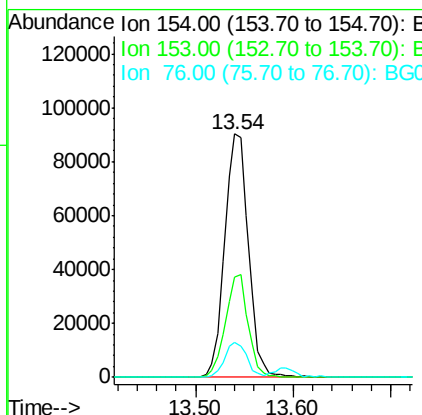
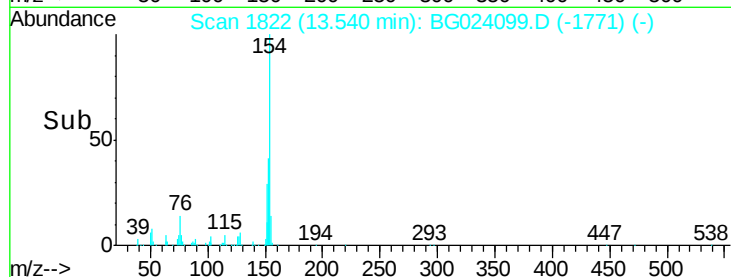
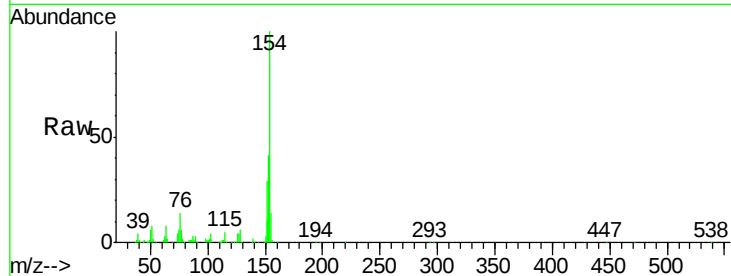


#45
 1,1'-Biphenyl
 Concen: 13.60 ng
 RT: 13.54 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

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

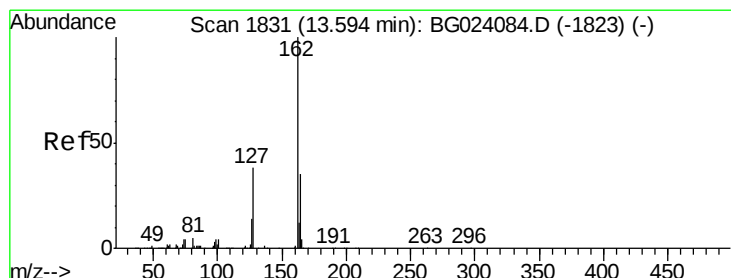
Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.4	20.2	60.2
76	14.4	0.0	32.9

Manual Integrations
 APPROVED



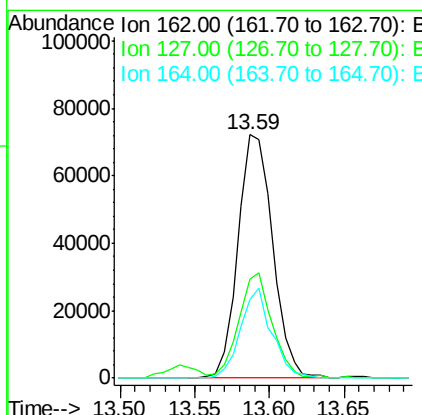
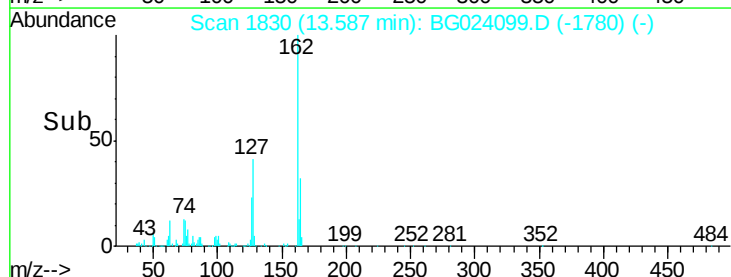
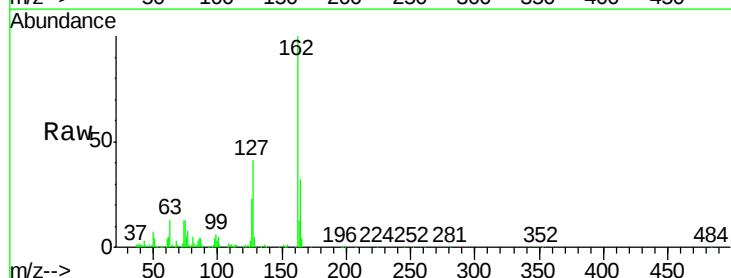
sohil

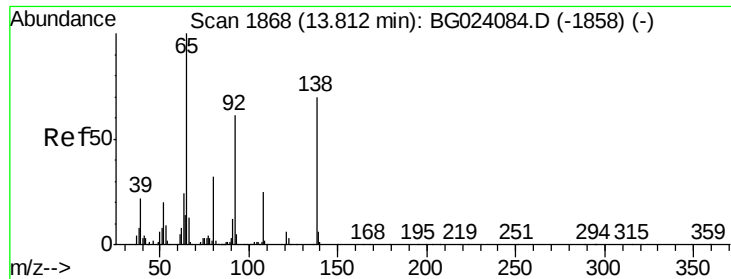
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#46
 2-Chloronaphthalene
 Concen: 13.96 ng
 RT: 13.59 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

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



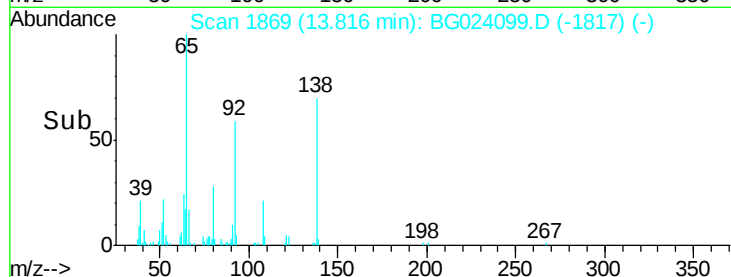
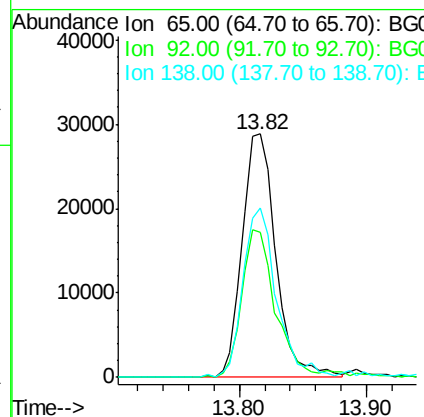
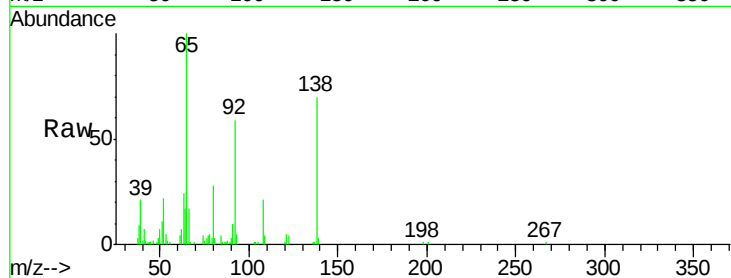


#47
2-Nitroaniline
Concen: 13.71 ng
RT: 13.82 min Scan# 1869
Delta R.T. 0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

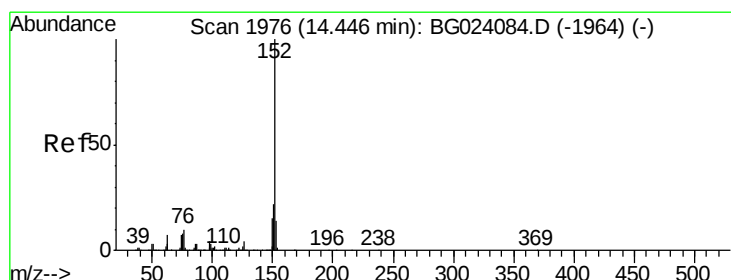
Tgt Ion	Ratio	Lower	Upper
65	100		
92	59.5	49.4	74.0
138	69.8	58.0	87.0

Manual Integrations
APPROVED



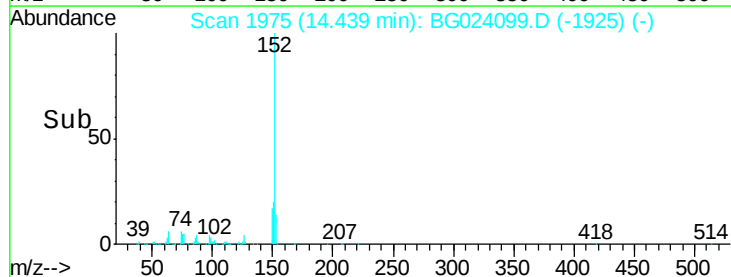
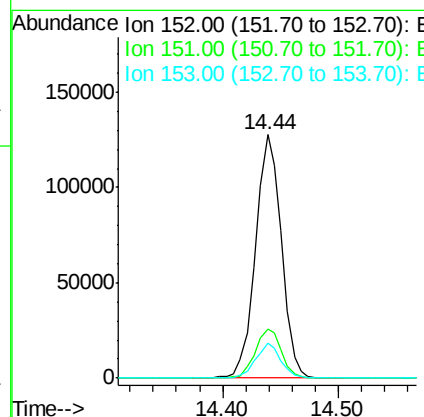
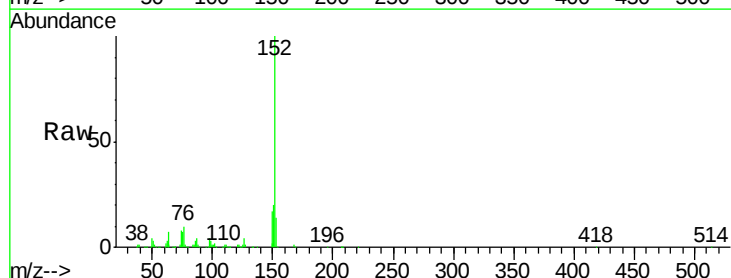
sohil

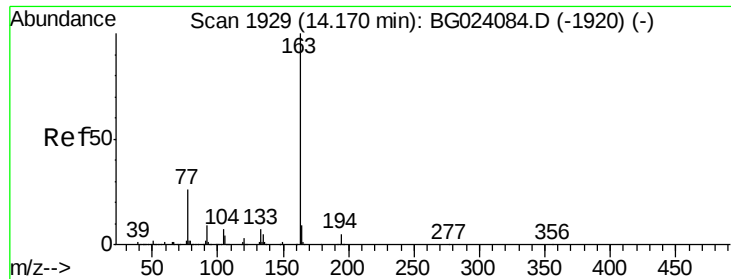
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#48
Acenaphthylene
Concen: 14.10 ng
RT: 14.44 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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



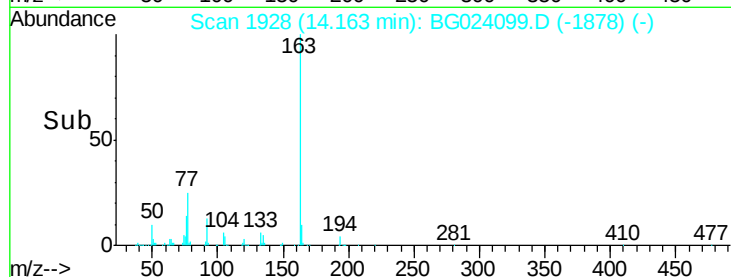
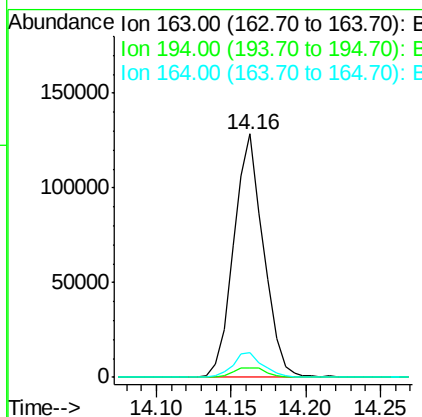
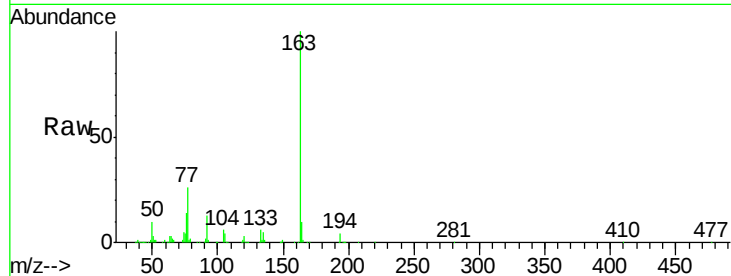


#49
Dimethylphthalate
Concen: 14.26 ng
RT: 14.16 min Scan# 1928
Delta R.T. -0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

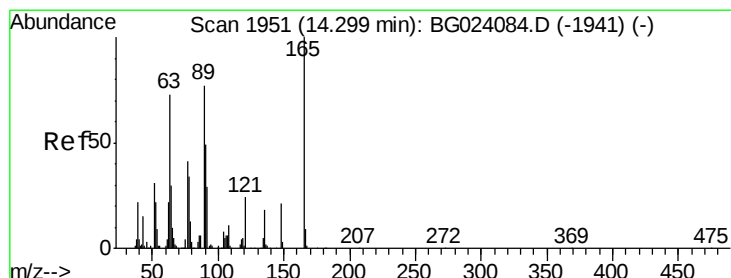
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	178921		
194	3.7		3.6	5.4
164	10.1		8.1	12.1

Manual Integrations
APPROVED



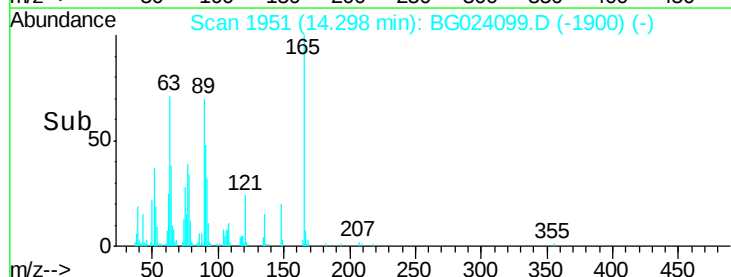
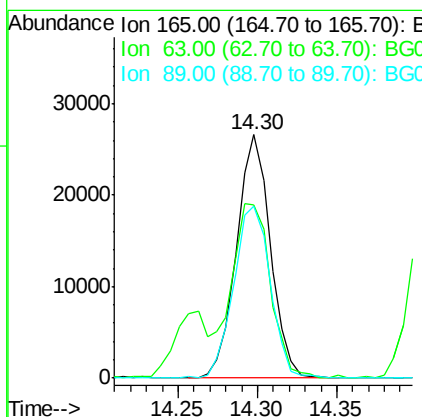
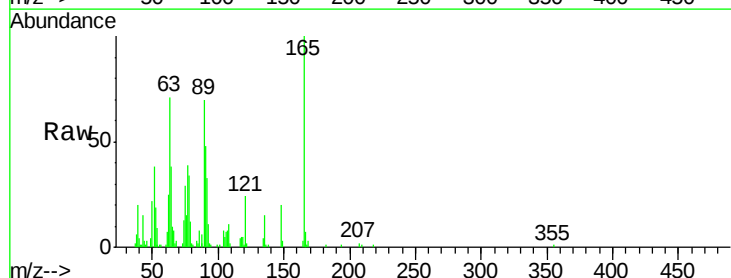
sohil

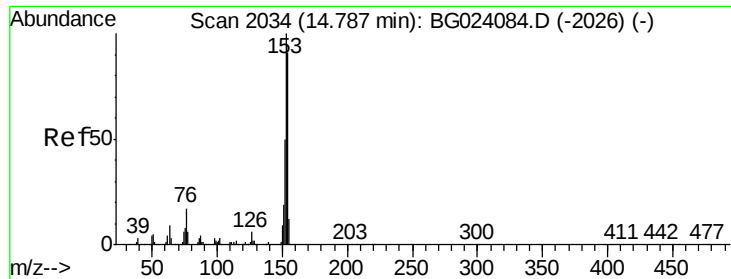
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#50
2,6-Dinitrotoluene
Concen: 14.97 ng
RT: 14.30 min Scan# 1951
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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



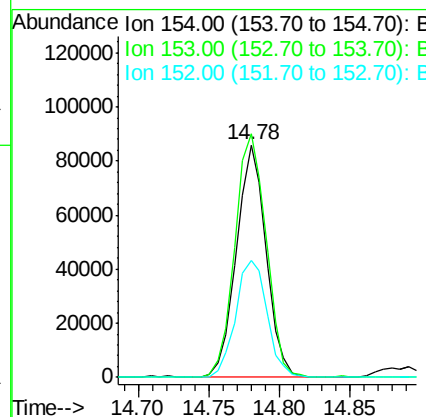
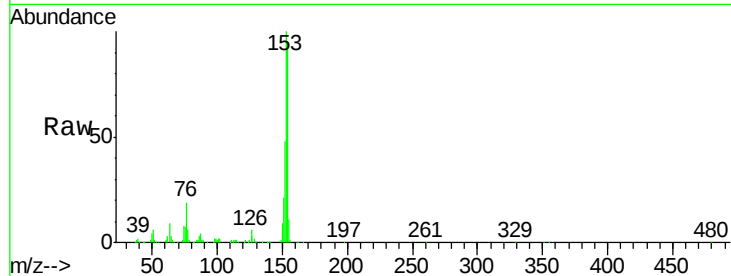


#51
Acenaphthene
Concen: 14.61 ng
RT: 14.78 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

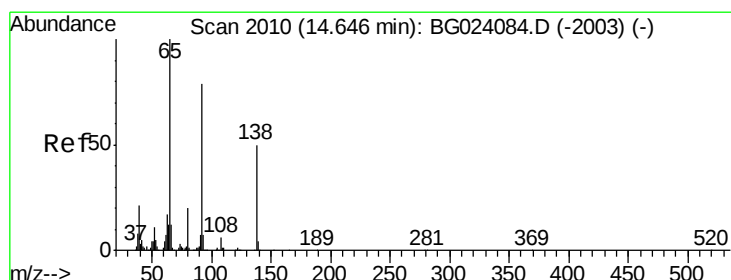
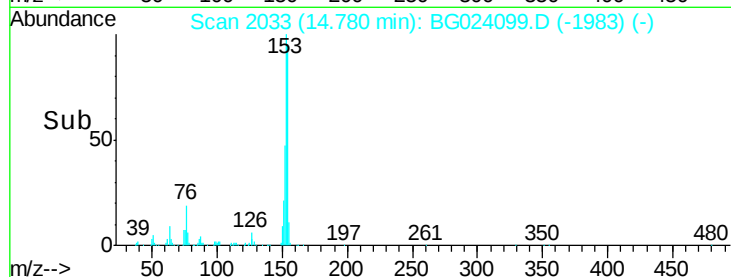
Tgt Ion	Ratio	Lower	Upper
154	100		
153	104.9	87.5	131.3
152	50.1	42.7	64.1

Manual Integrations
APPROVED



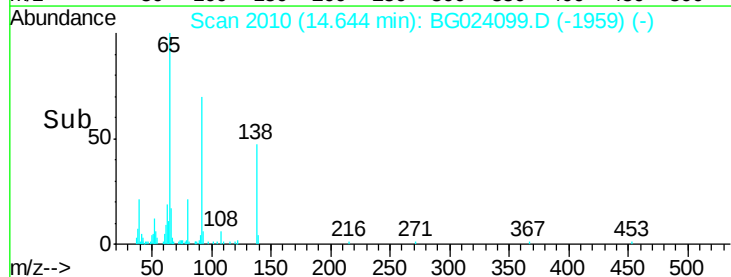
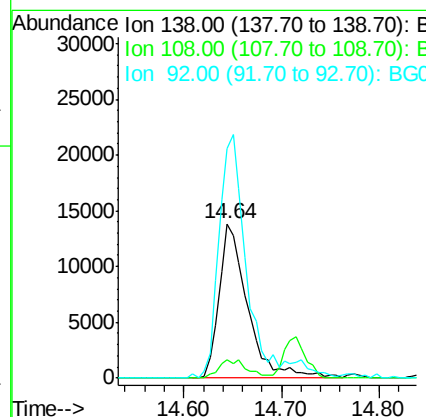
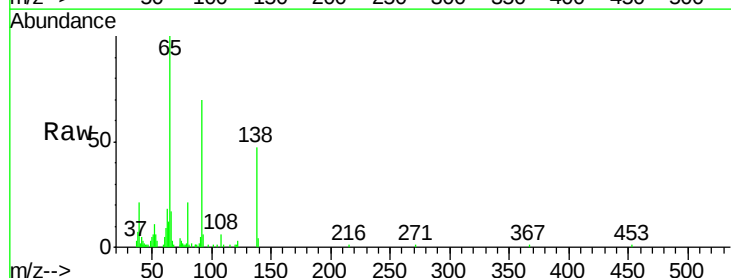
sohil

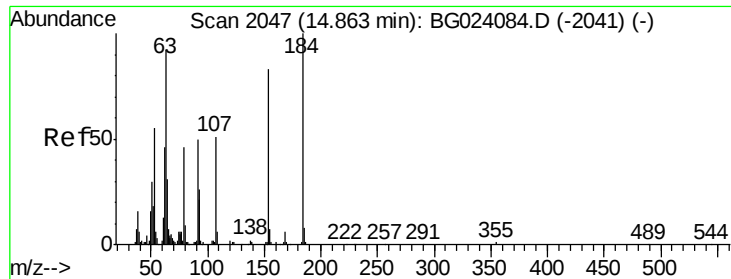
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#52
3-Nitroaniline
Concen: 10.60 ng
RT: 14.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

Tgt Ion	Ratio	Lower	Upper
138	100		
108	11.8	11.7	17.5
92	148.7	129.7	194.5



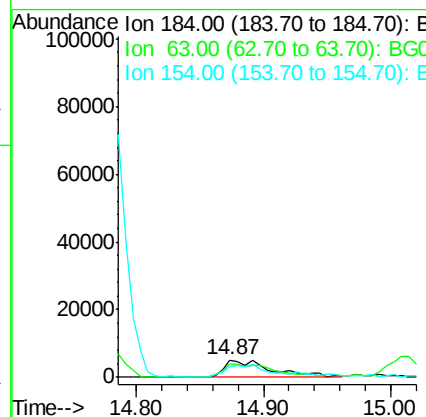
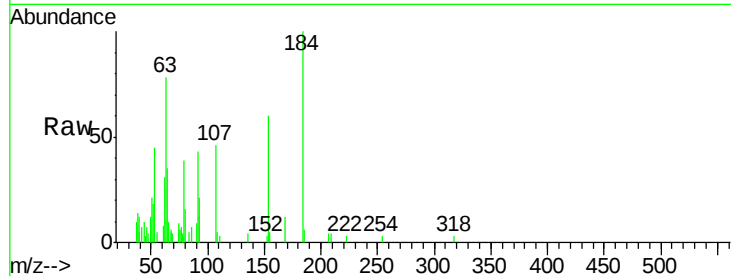


#53
2,4-Dinitrophenol
Concen: 11.38 ng
RT: 14.87 min Scan# 2049
Delta R.T. 0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

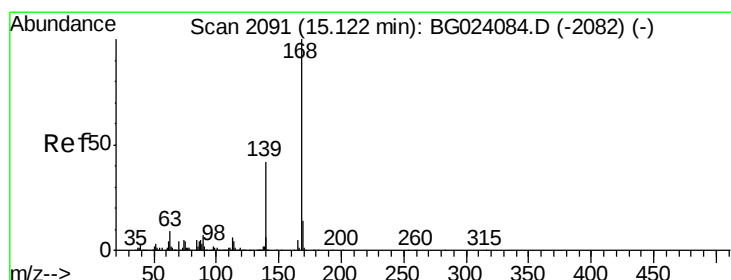
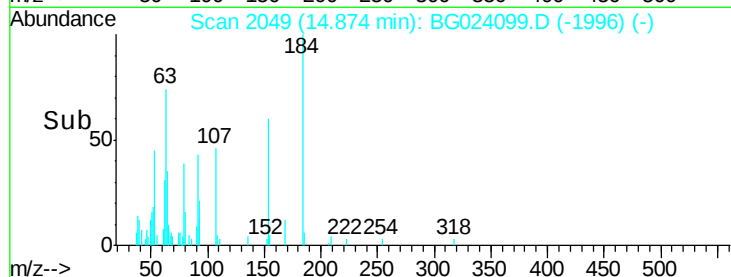
Tgt Ion	Ratio	Lower	Upper
184	100		
63	78.4	59.6	89.4
154	60.1	67.4	101.0

Manual Integrations
APPROVED



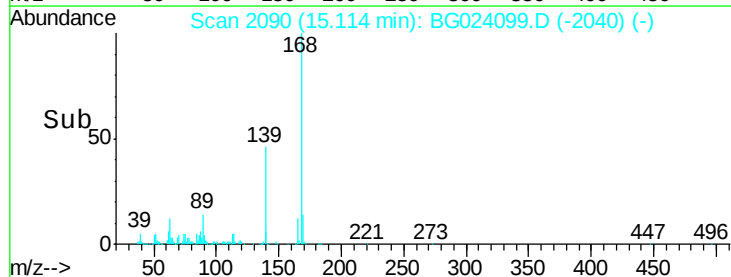
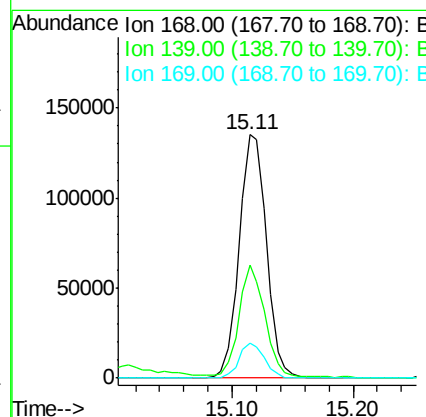
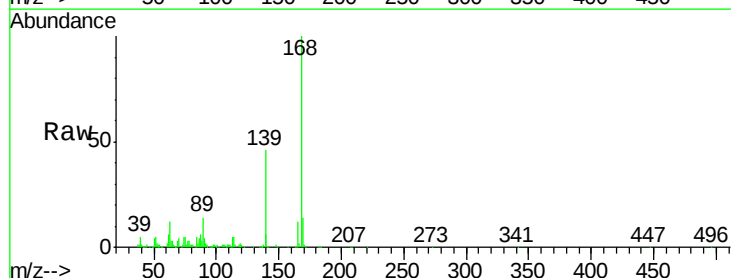
sohil

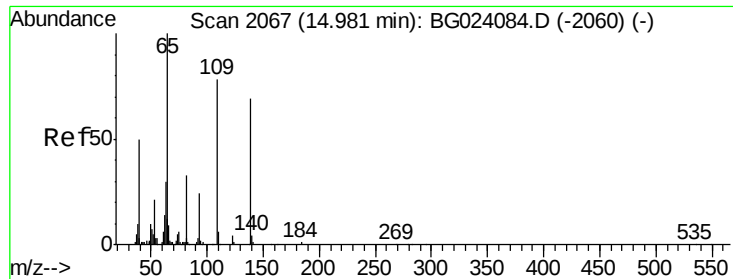
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#54
Dibenzofuran
Concen: 15.92 ng
RT: 15.11 min Scan# 2090
Delta R.T. -0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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



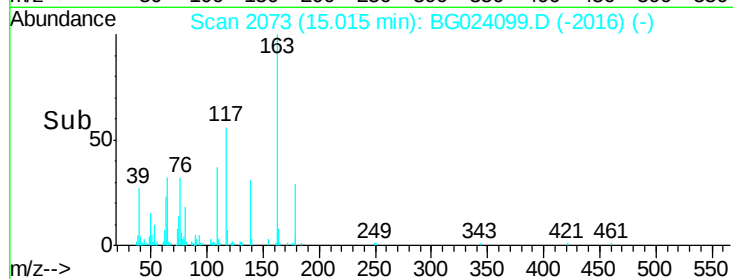
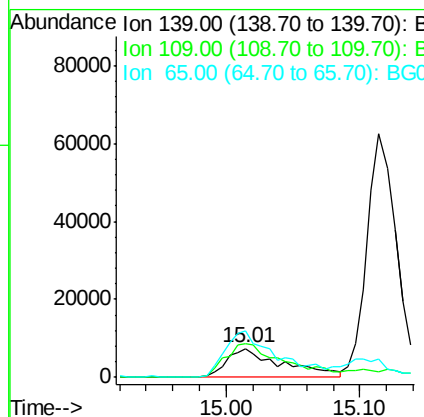
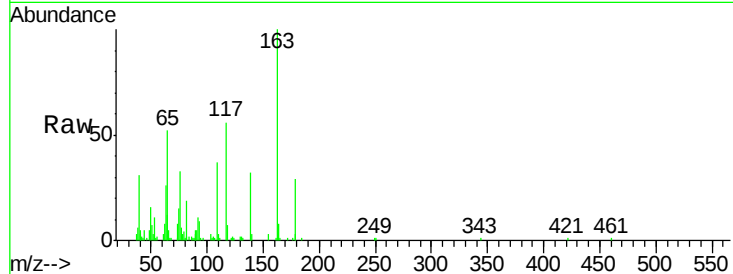


#55
4-Nitrophenol
Concen: 15.06 ng
RT: 15.01 min Scan# 2073
Delta R.T. 0.03 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

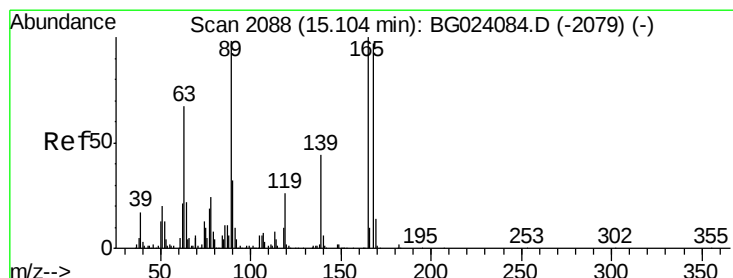
Tgt Ion	Ratio	Lower	Upper
139	100		
109	115.9	103.0	143.0
65	164.5	112.7	152.7#

Manual Integrations
APPROVED



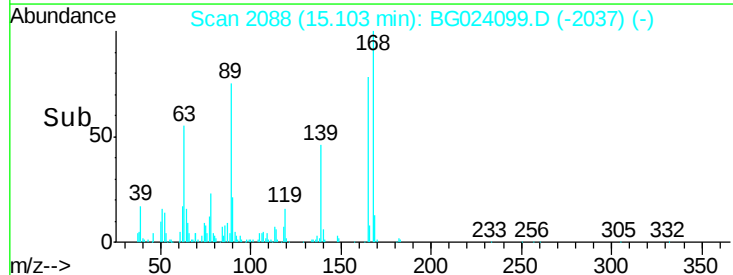
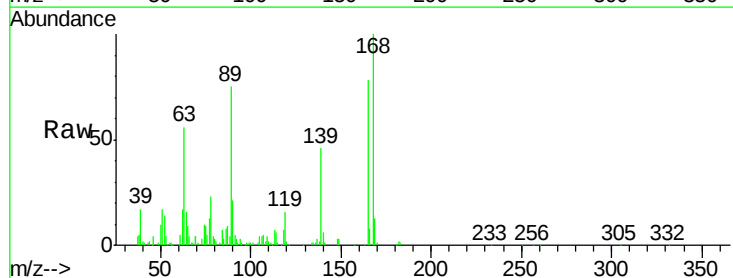
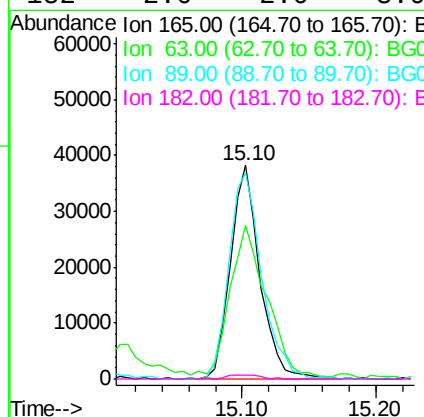
sohil

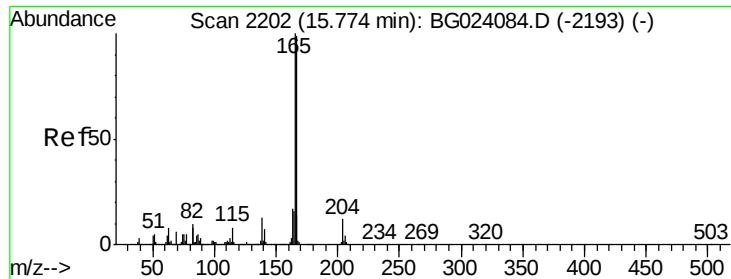
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#56
2,4-Dinitrotoluene
Concen: 14.66 ng
RT: 15.10 min Scan# 2088
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

Tgt Ion	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 :

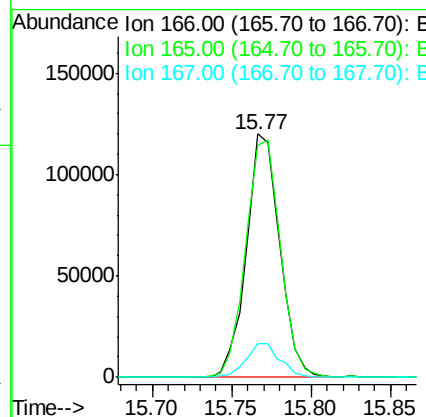
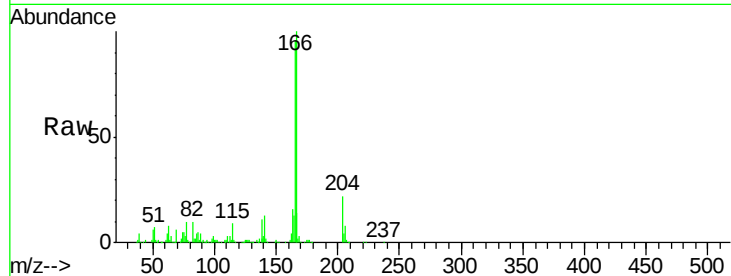
BNA_G

ClientSampleId :

LOQ-SOIL2016--02-QT4

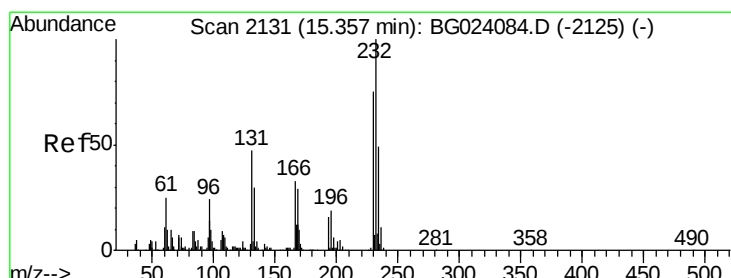
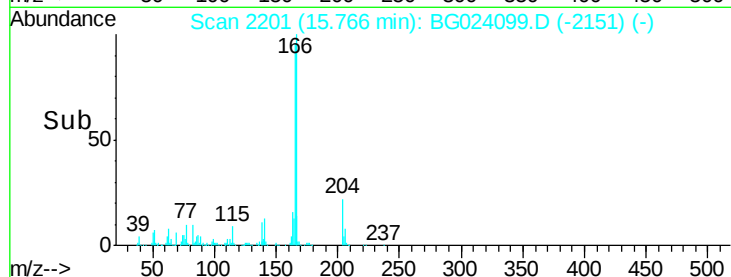
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	175373		
165	95.6	81.0	121.6	
167	13.7	12.0	18.0	

Manual Integrations
APPROVED



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9/26/2016 6:41:21 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 16.40 ng

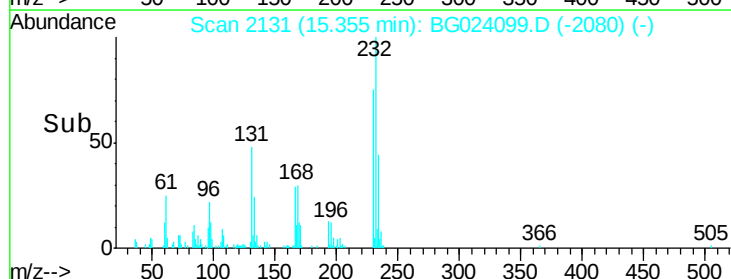
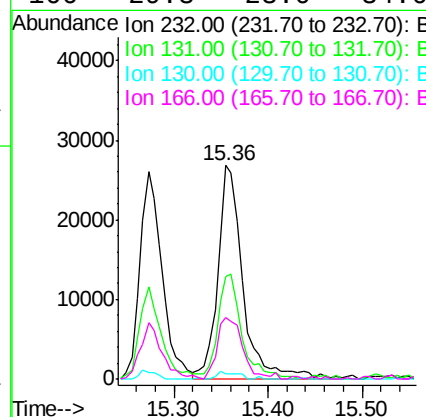
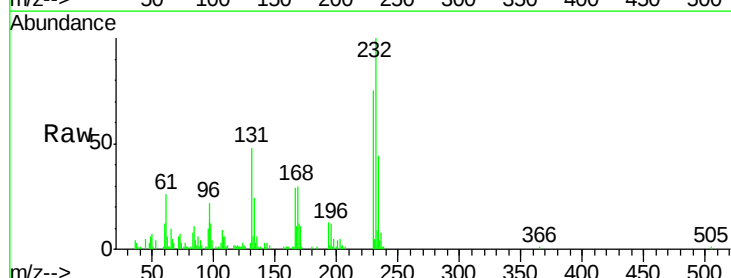
RT: 15.36 min Scan# 2131

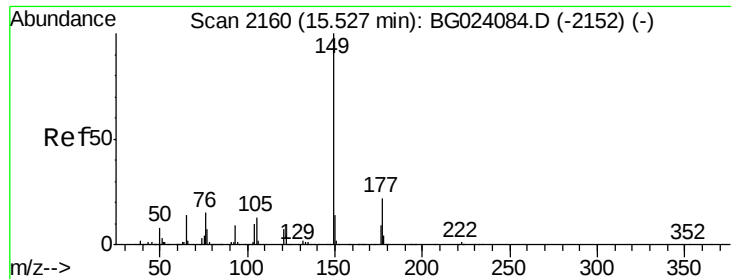
Delta R.T. -0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	50307		
131	46.5	32.7	49.1	
130	2.8	2.6	3.8	
166	29.3	23.0	34.6	



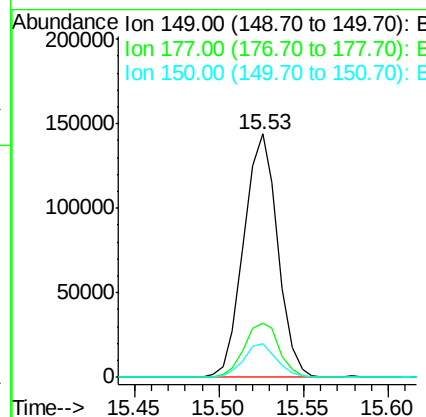
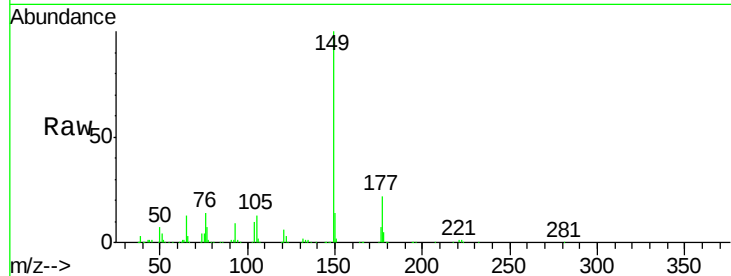


#59
Diethylphthalate
Concen: 14.94 ng
RT: 15.53 min Scan# 2160
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

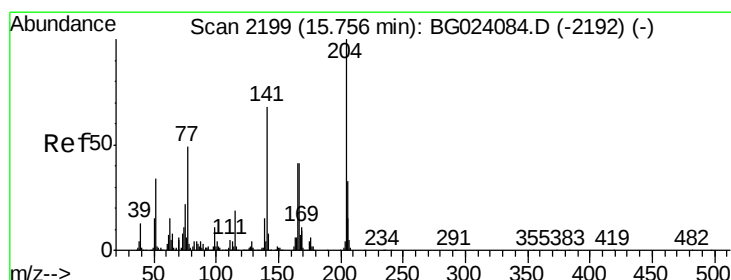
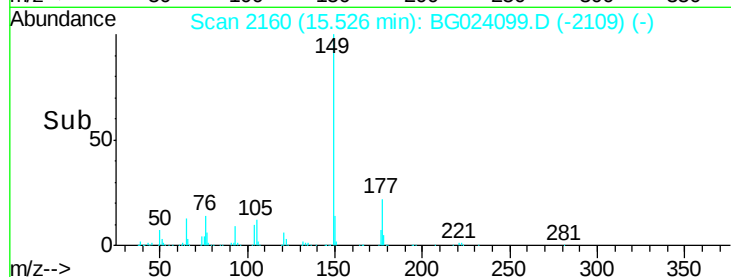
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	201784		
177	22.4	19.2	28.8	
150	13.9	10.6	16.0	

Manual Integrations
APPROVED



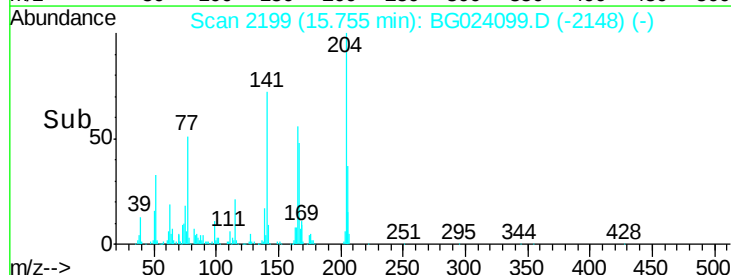
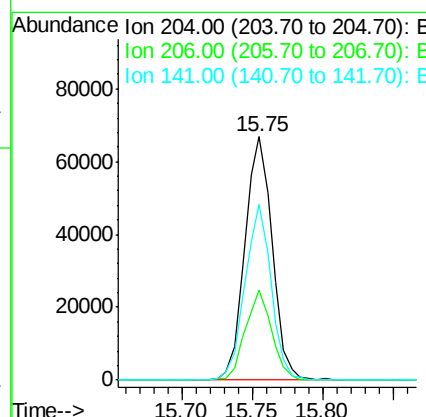
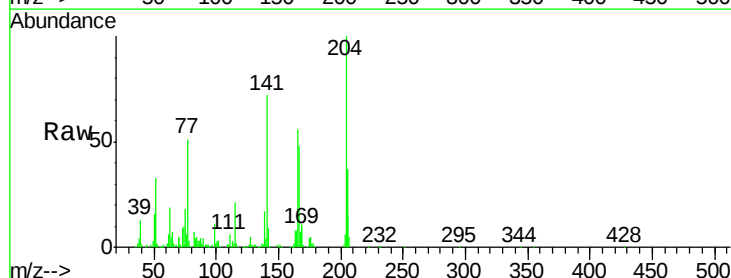
sohil

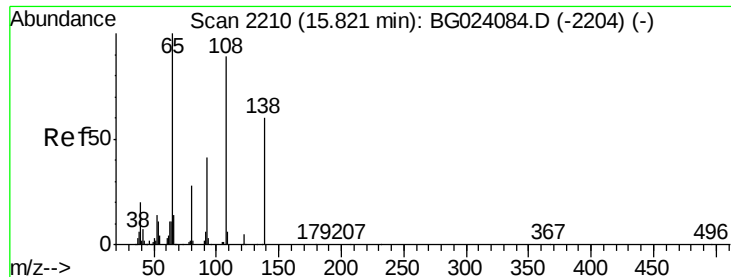
9/26/2016 6:41:21 PM



#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	Resp	Lower	Upper
204	100	90330		
206	36.9	28.5	42.7	
141	72.1	51.4	77.0	



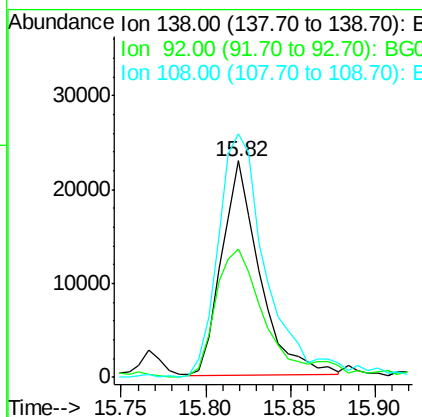
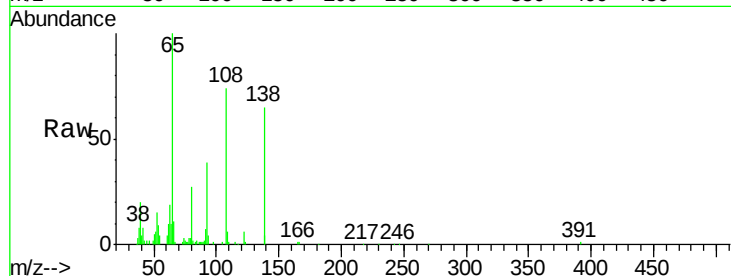


#61
4-Nitroaniline
Concen: 13.08 ng
RT: 15.82 min Scan# 2210
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

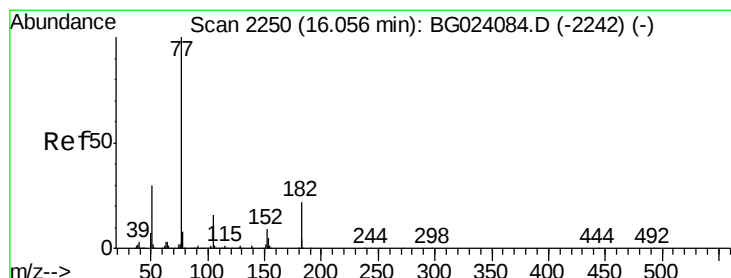
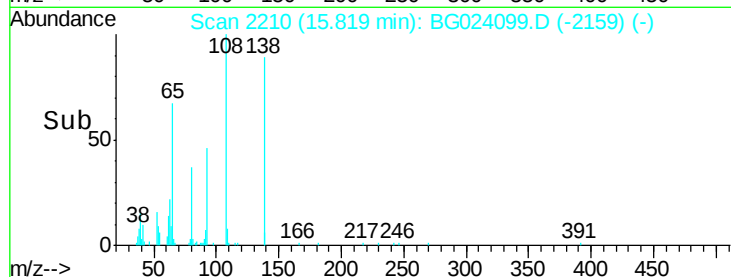
Tgt Ion	Ratio	Lower	Upper
138	100		
92	59.6	54.1	94.1
108	112.6	133.9	173.9

Manual Integrations
APPROVED



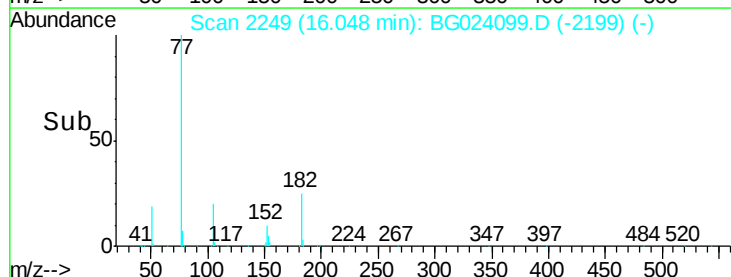
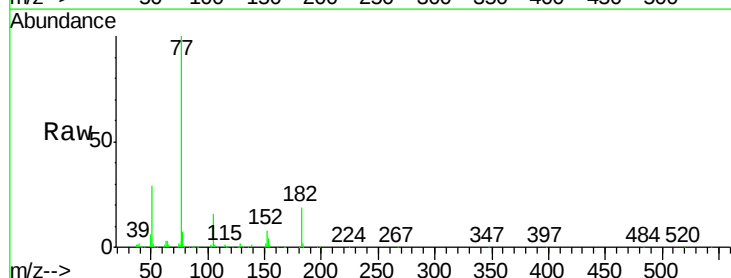
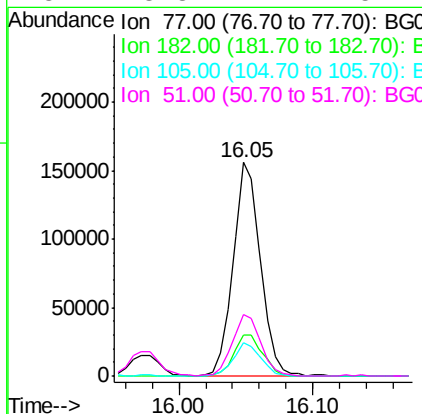
sohil

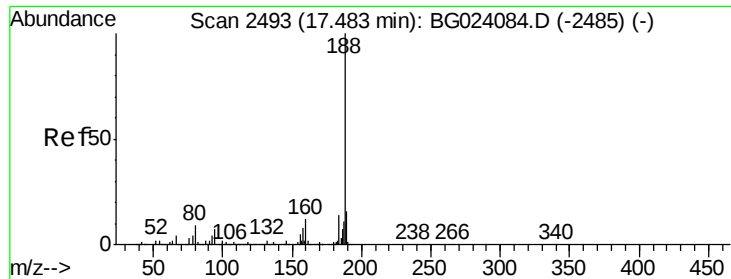
9/26/2016 6:41:21 PM



#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	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



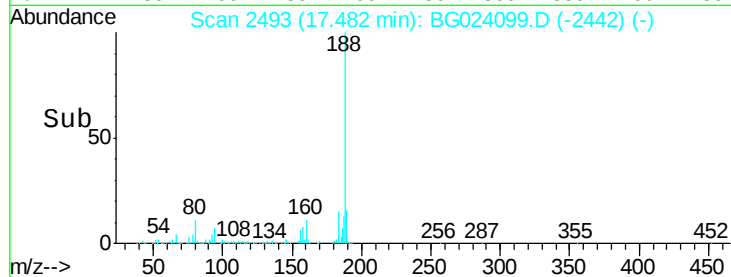
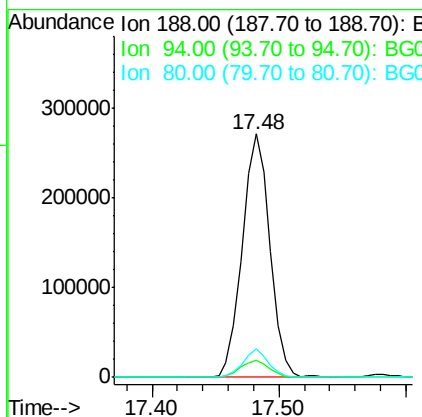
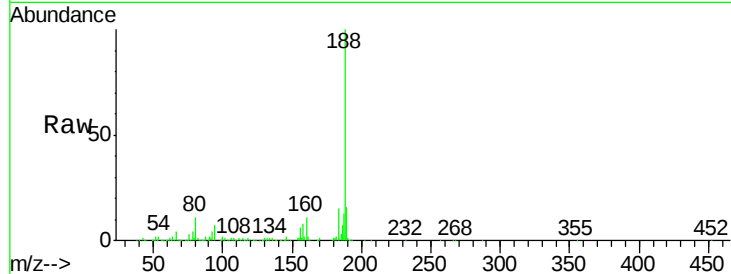


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2493
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

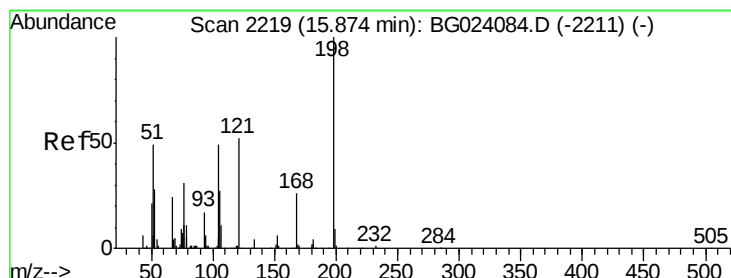
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	6.8	5.2	7.8
80	11.5	7.2	10.8

Manual Integrations
APPROVED



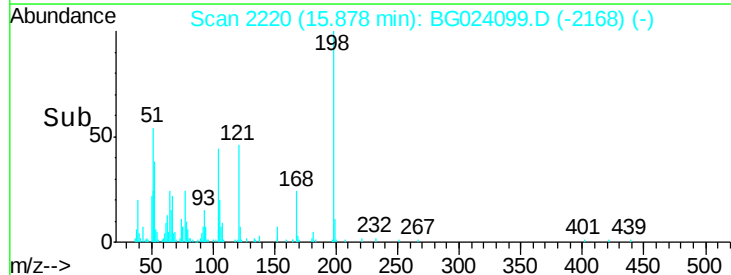
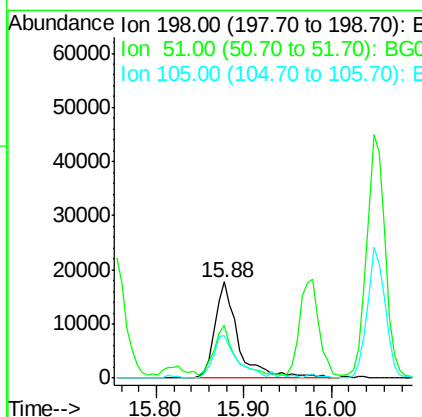
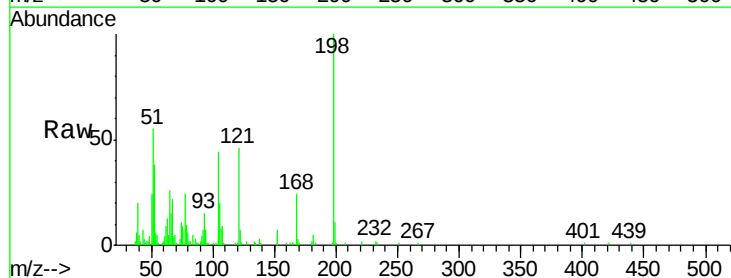
sohil

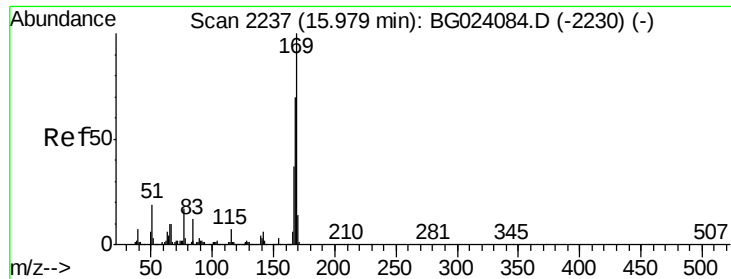
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#64
4,6-Dinitro-2-methylphenol
Concen: 11.55 ng
RT: 15.88 min Scan# 2220
Delta R.T. 0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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



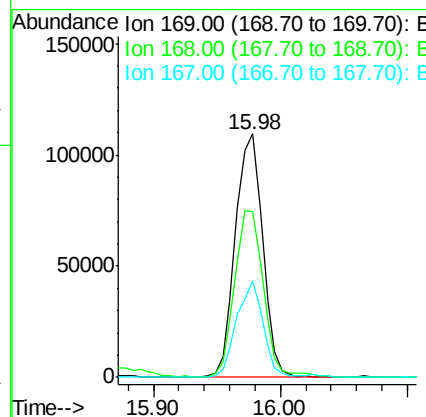
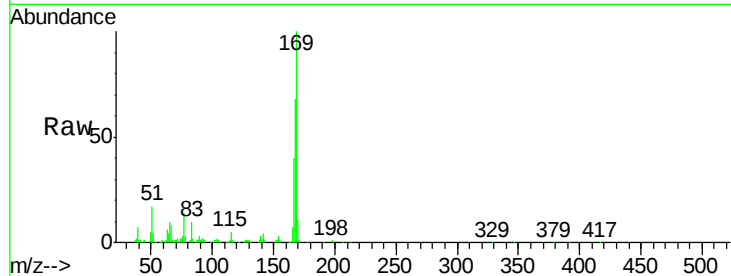


#65
n-Nitrosodiphenylamine
Concen: 14.57 ng
RT: 15.98 min Scan# 2237
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

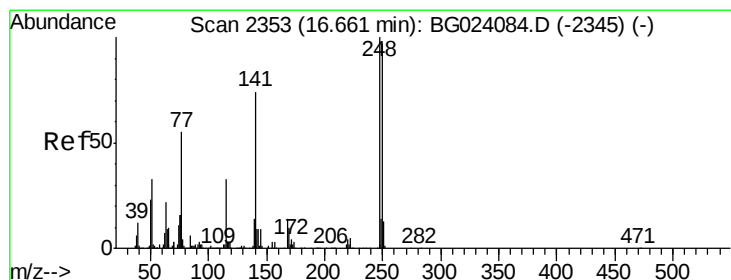
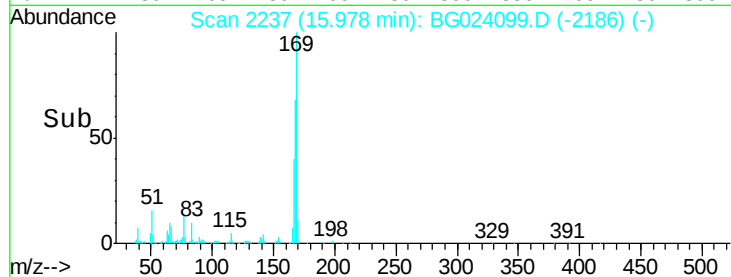
Tgt Ion	Ratio	Resp	Lower	Upper
169	100	163081		
168	68.2	55.0	82.4	
167	39.7	27.4	41.0	

Manual Integrations
APPROVED



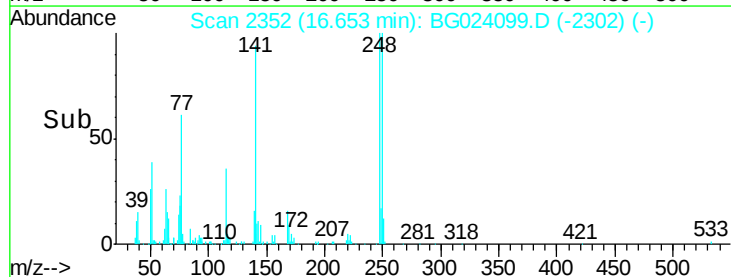
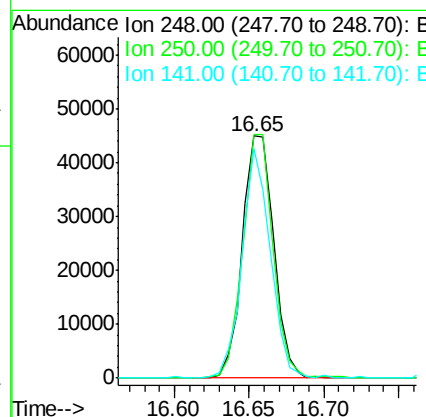
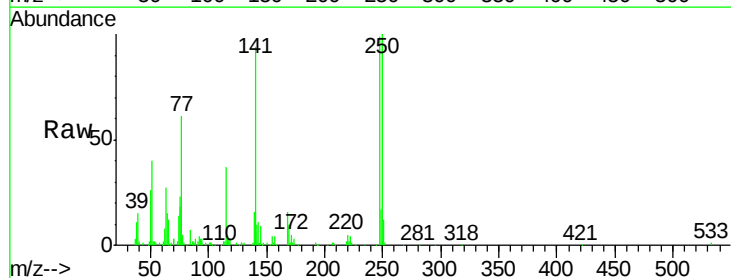
sohil

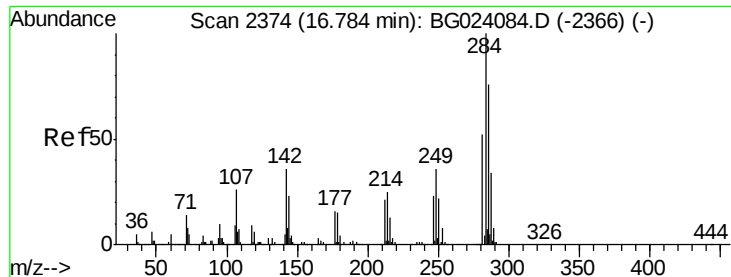
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#66
4-Bromophenyl-phenylether
Concen: 13.81 ng
RT: 16.65 min Scan# 2352
Delta R.T. -0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	65558		
250	100.7	77.8	116.8	
141	95.1	65.7	98.5	



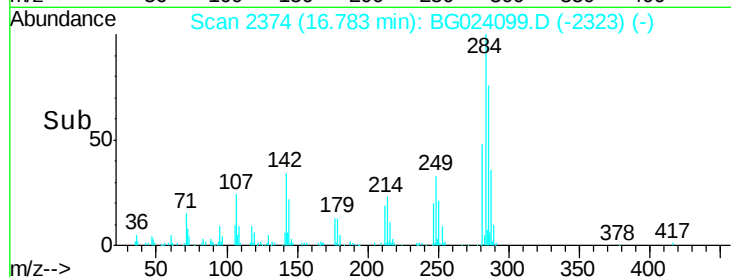
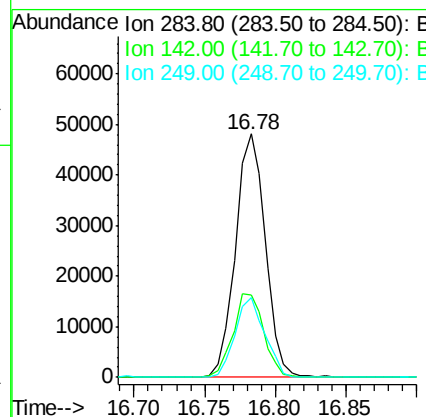
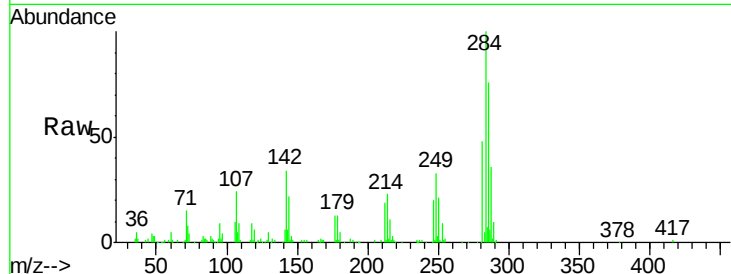


#67
Hexachlorobenzene
Concen: 13.22 ng
RT: 16.78 min Scan# 2374
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

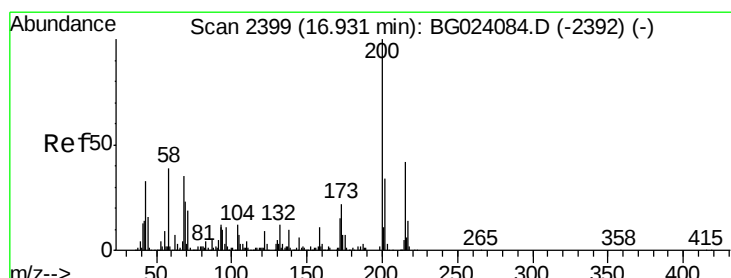
Tgt Ion	Ratio	Resp	Lower	Upper
284	100	70722		
142	33.9	26.8	40.2	
249	32.8	28.9	43.3	

Manual Integrations
APPROVED



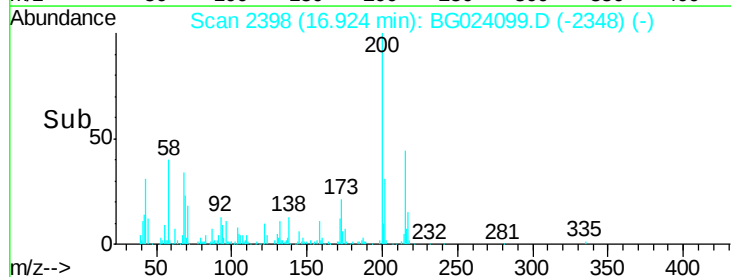
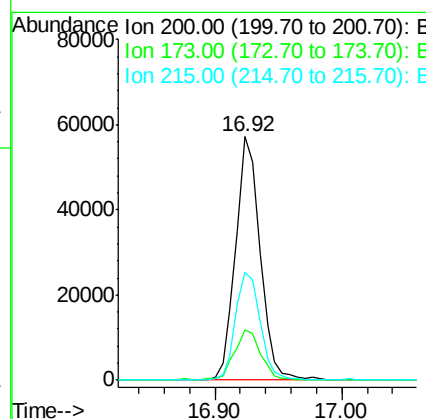
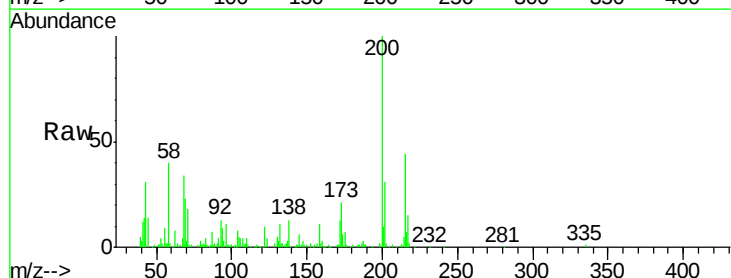
sohil

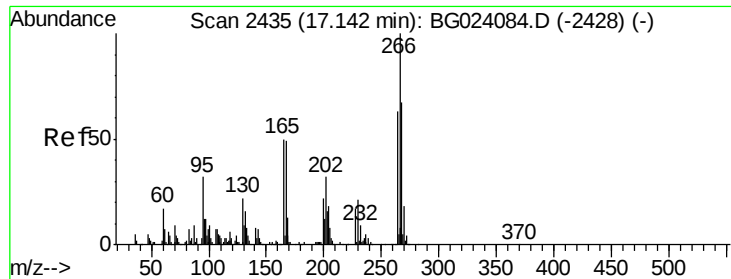
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#68
Atrazine
Concen: 15.46 ng
RT: 16.92 min Scan# 2398
Delta R.T. -0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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



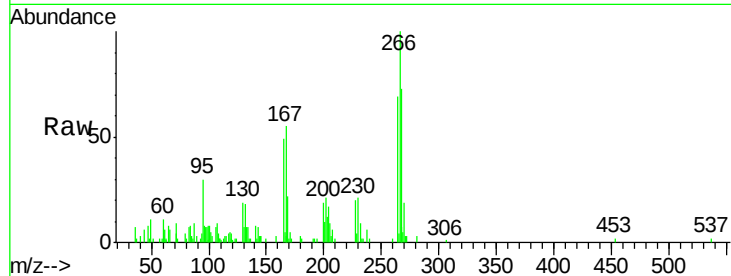


#69
 Pentachlorophenol
 Concen: 12.33 ng
 RT: 17.15 min Scan# 2437
 Delta R.T. 0.01 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

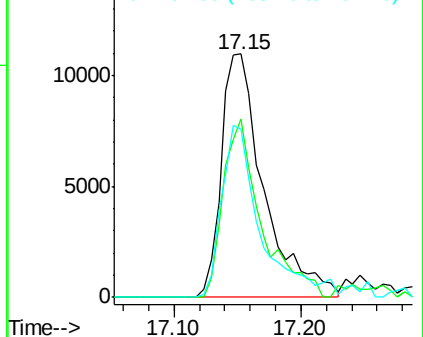
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

Tgt Ion	Ratio	Lower	Upper
266	100		
268	73.1	51.9	77.9
264	69.2	50.6	75.8

Manual Integrations
 APPROVED

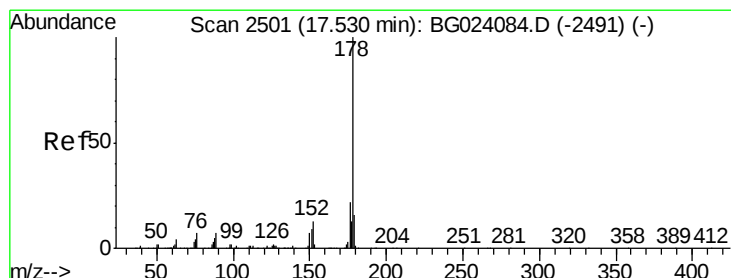
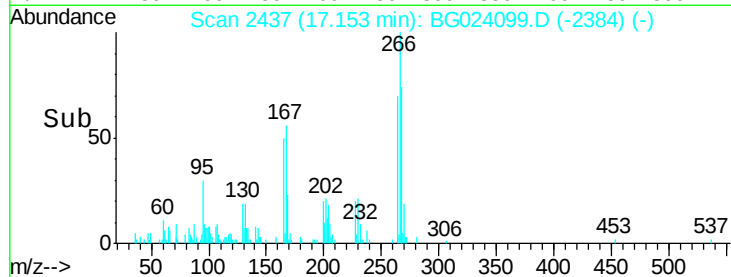


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E



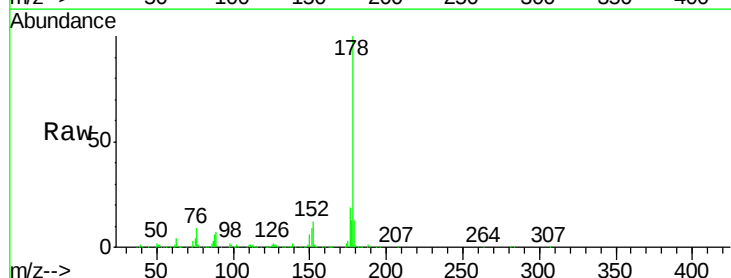
sohil

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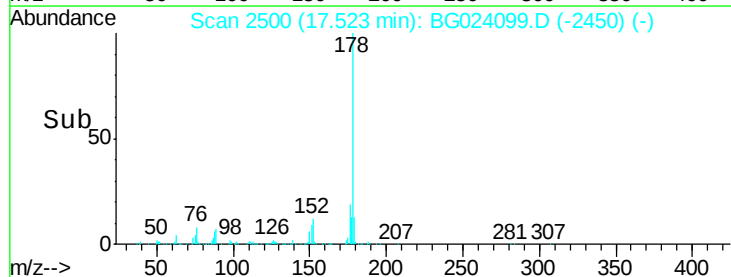
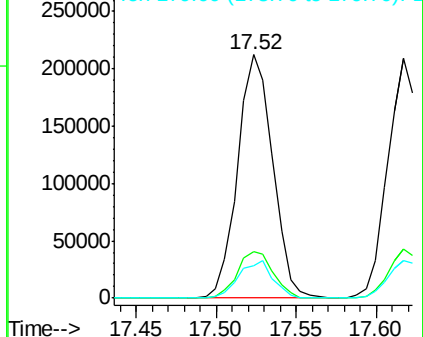


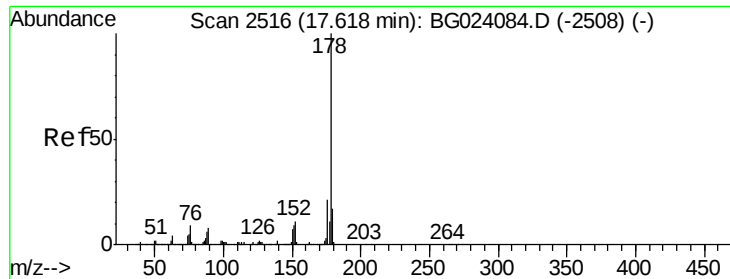
#70
 Phenanthrene
 Concen: 15.48 ng m
 RT: 17.52 min Scan# 2500
 Delta R.T. -0.01 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.8	25.2
179	13.1	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



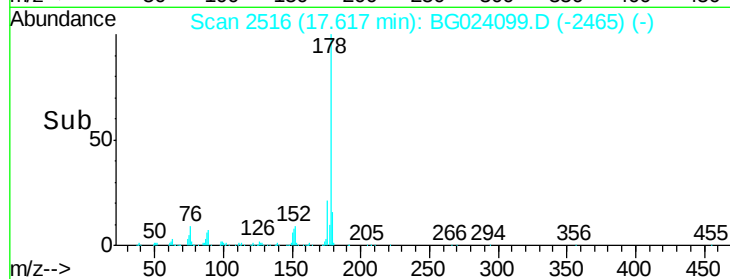
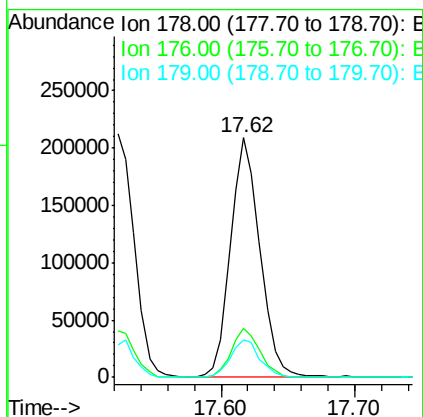
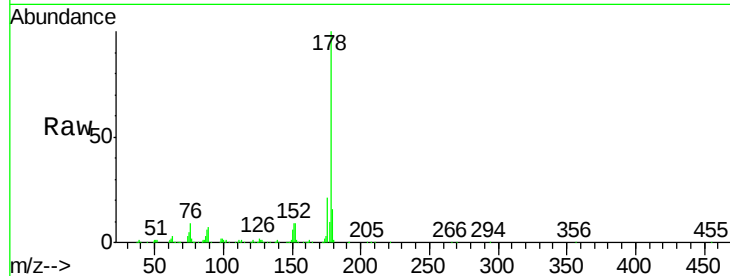


#71
 Anthracene
 Concen: 14.87 ng
 RT: 17.62 min Scan# 2516
 Delta R.T. -0.00 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

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

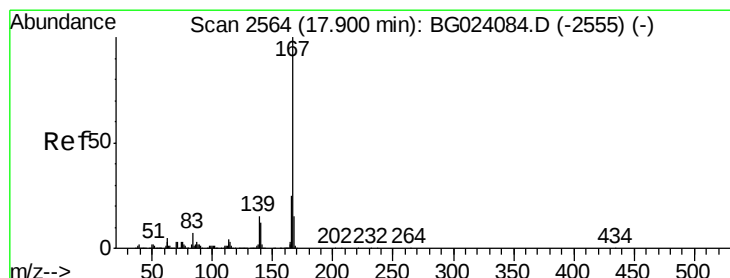
Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.7	17.3	25.9
179	15.6	14.0	21.0

Manual Integrations
 APPROVED



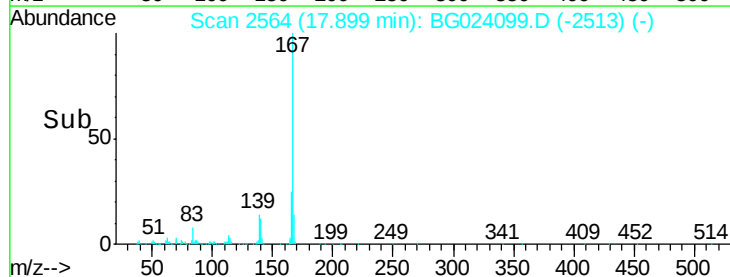
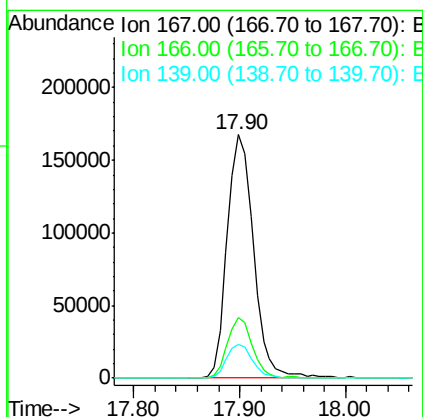
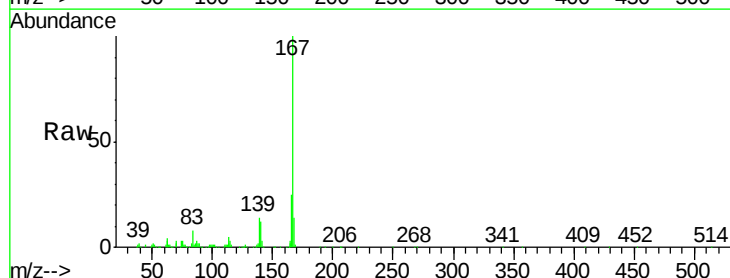
sohil

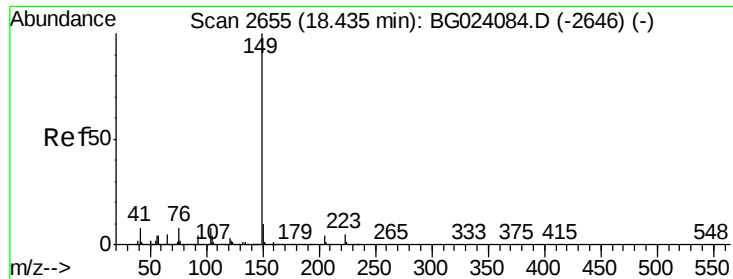
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#72
 Carbazole
 Concen: 14.59 ng
 RT: 17.90 min Scan# 2564
 Delta R.T. -0.00 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

Tgt Ion	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 :

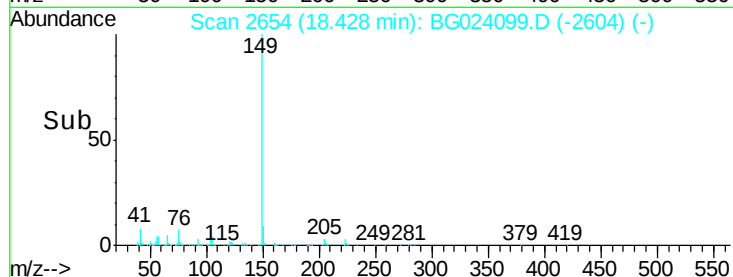
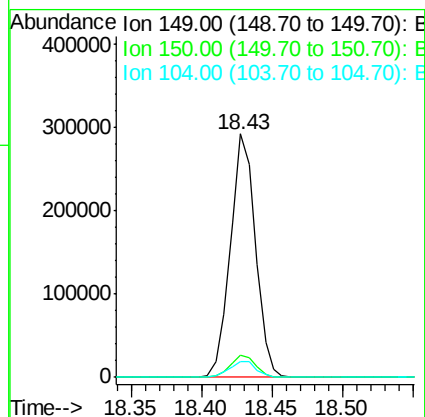
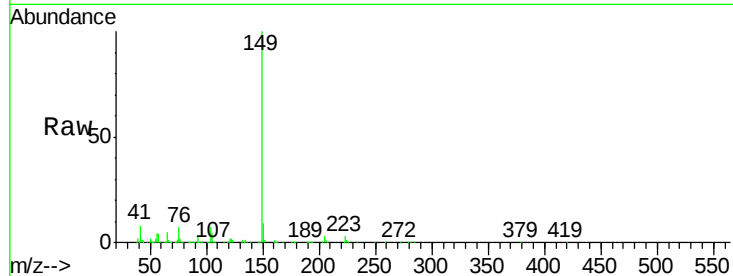
BNA_G

ClientSampleId :

LOQ-SOIL2016--02-QT4

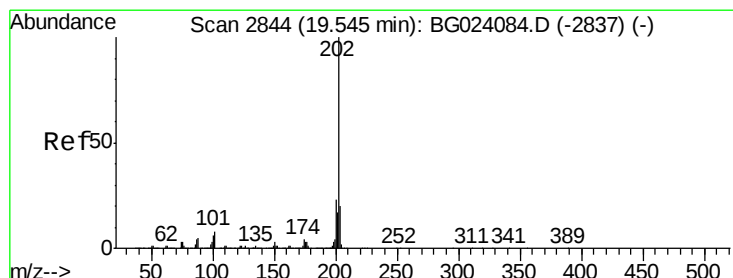
Tgt Ion:	149	Resp:	361535
Ion Ratio		Lower	Upper
149	100		
150	9.2	9.1	13.7
104	6.6	6.9	10.3#

Manual Integrations
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sohil

9/26/2016 6:41:21 PM



#74

Fluoranthene

Concen: 14.79 ng

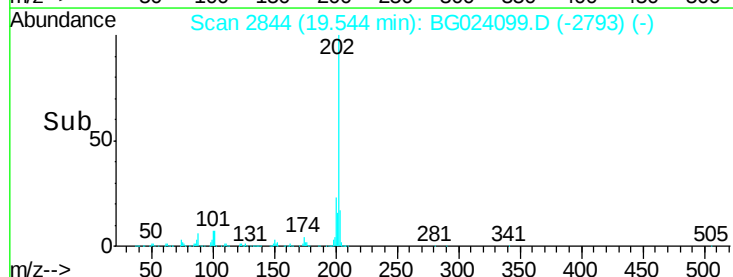
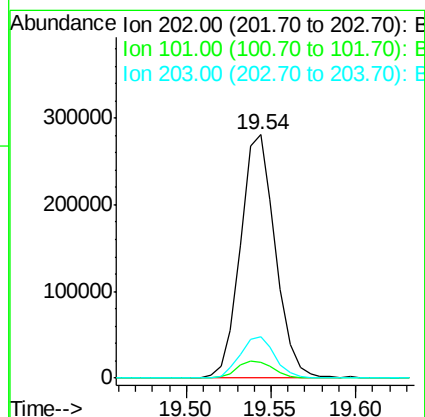
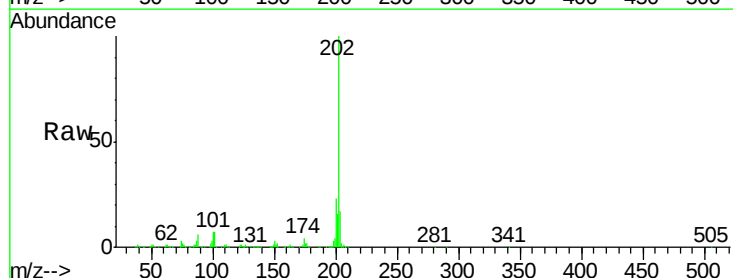
RT: 19.54 min Scan# 2844

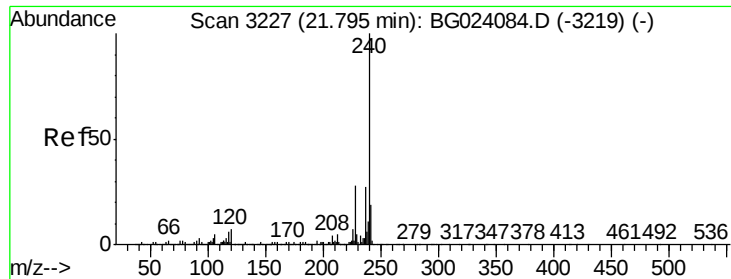
Delta R.T. -0.00 min

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 :

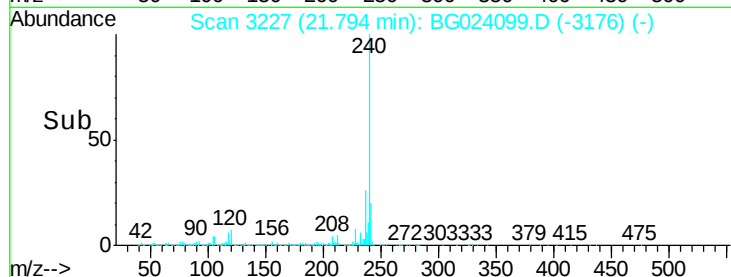
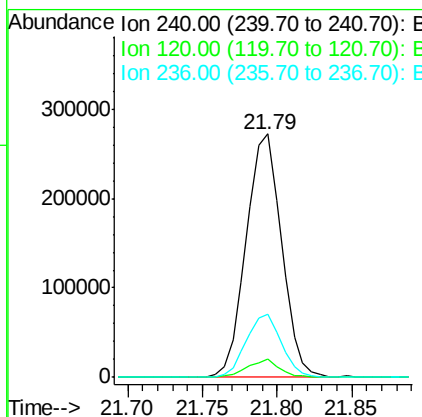
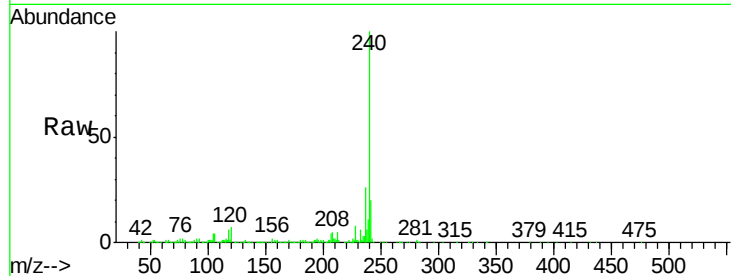
BNA_G

ClientSampleId :

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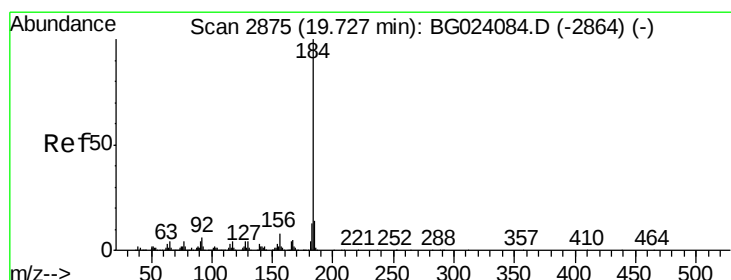
Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.4	4.1	6.1#
236	26.1	21.1	31.7

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#76

Benzidine

Concen: 7.76 ng

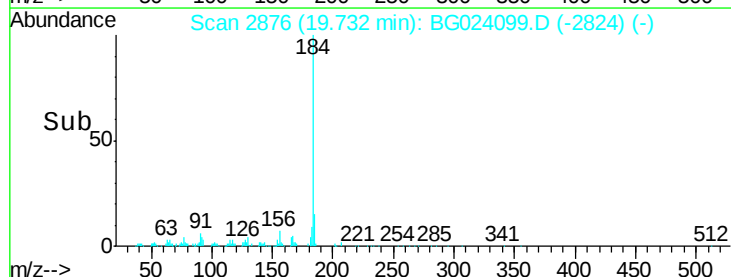
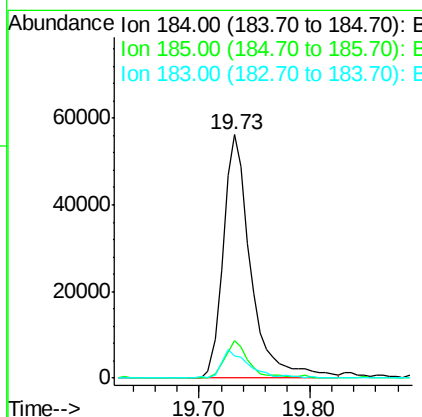
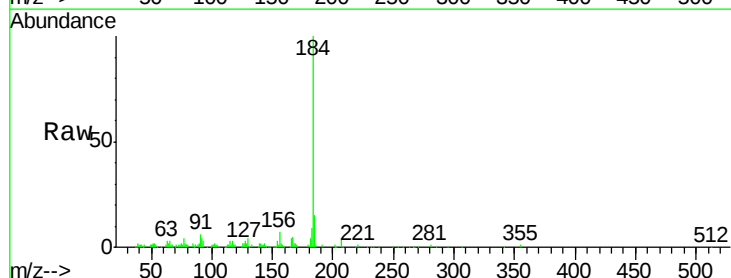
RT: 19.73 min Scan# 2876

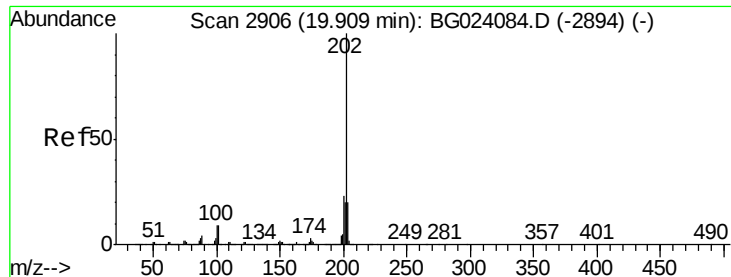
Delta R.T. 0.00 min

Lab File: BG024099.D

Acq: 23 Sep 2016 22:37

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.3	12.6	19.0
183	9.2	10.7	16.1#





#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 :

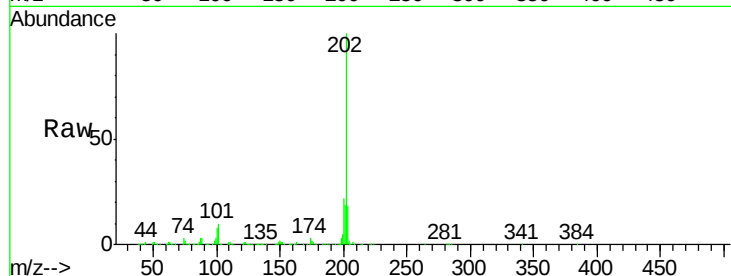
BNA_G

ClientSampleId :

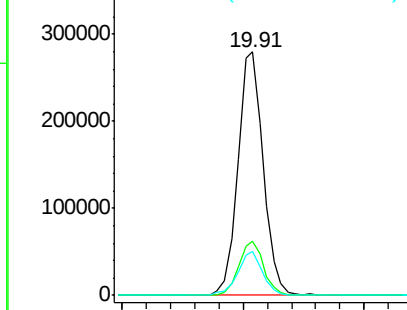
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Tgt Ion:	202	Resp:	408622
Ion Ratio		Lower	Upper
202	100		
200	22.2	21.2	31.8
203	18.1	16.8	25.2

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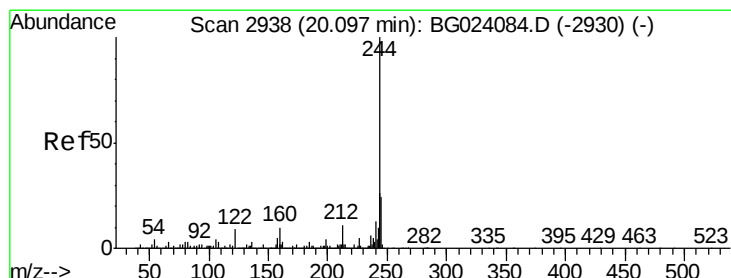
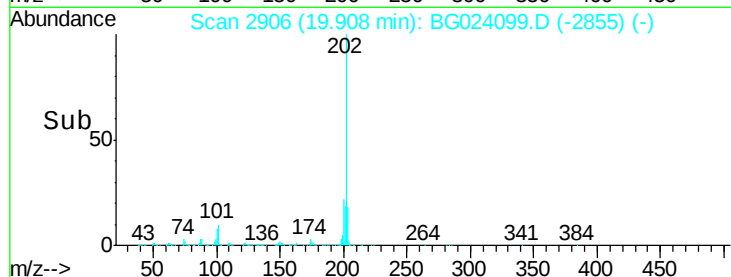


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



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#78

Terphenyl-d14

Concen: 67.78 ng

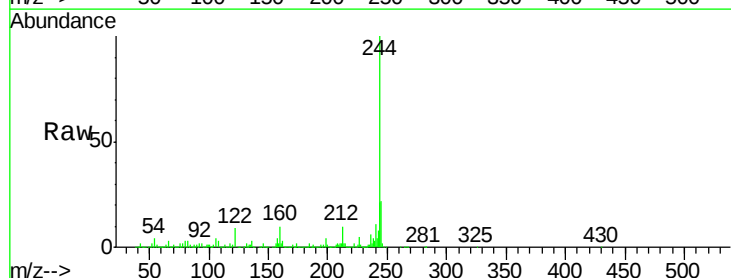
RT: 20.09 min Scan# 2937

Delta R.T. -0.01 min

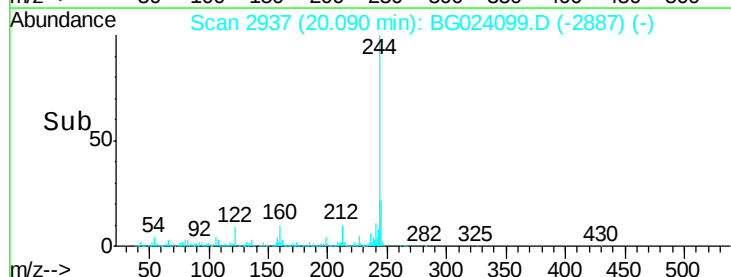
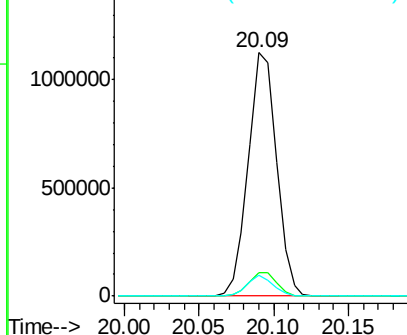
Lab File: BG024099.D

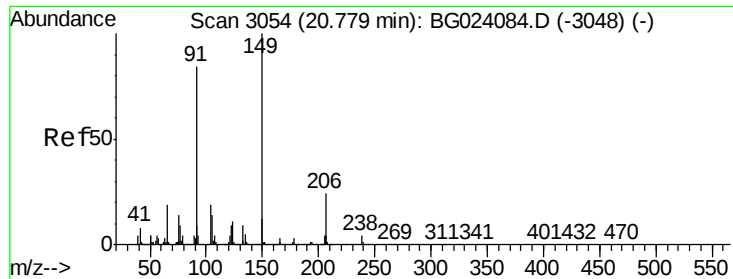
Acq: 23 Sep 2016 22:37

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



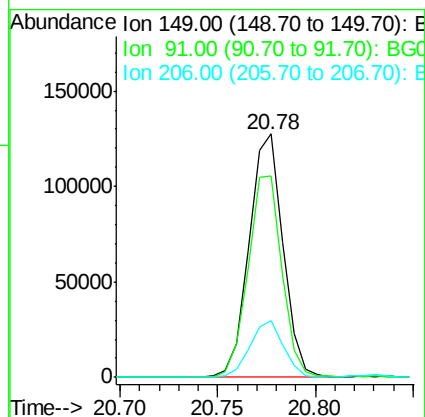
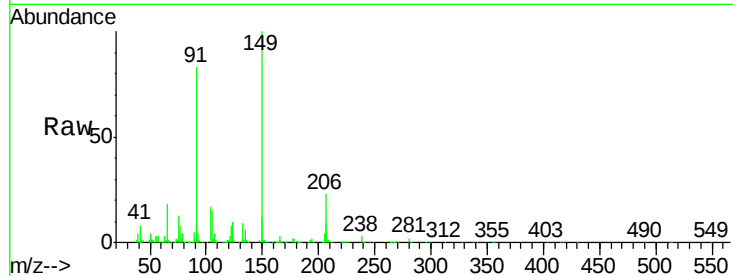


#79
Butylbenzylphthalate
Concen: 13.33 ng
RT: 20.78 min Scan# 3054
Delta R.T. -0.00 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

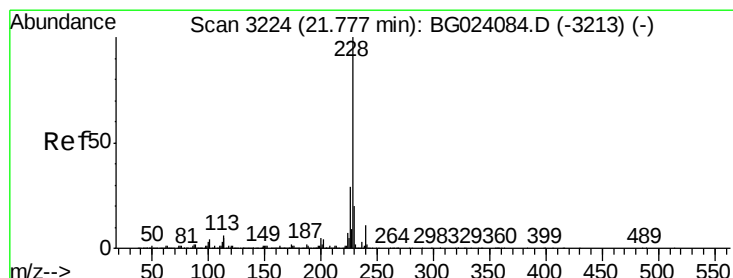
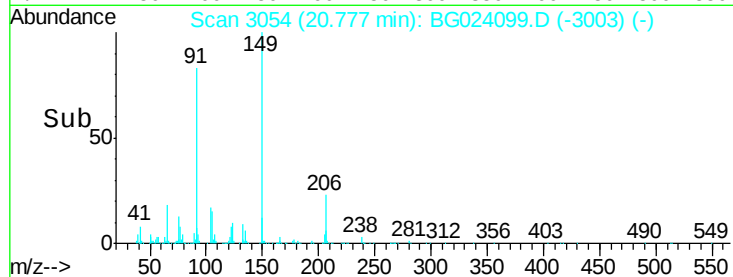
Tgt Ion	Ratio	Lower	Upper
149	100		
91	82.7	68.1	102.1
206	23.3	19.8	29.6

Manual Integrations
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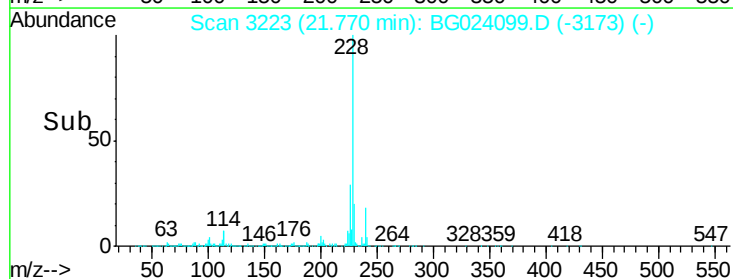
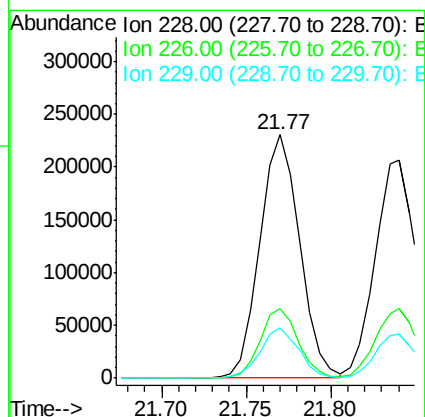
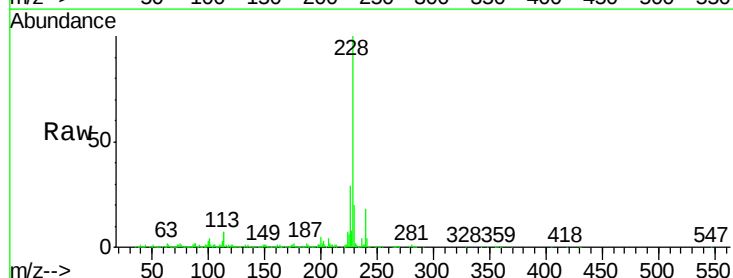
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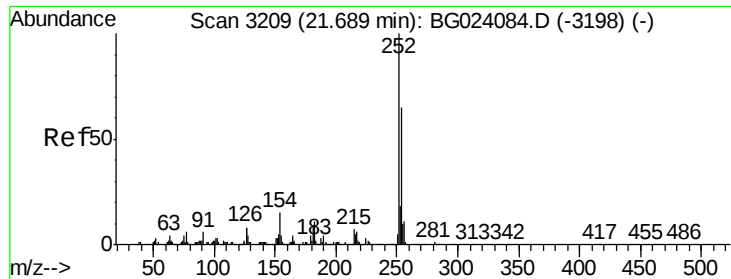
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#80
Benzo(a)anthracene
Concen: 14.85 ng
RT: 21.77 min Scan# 3223
Delta R.T. -0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	25.3	37.9
229	20.5	19.9	29.9



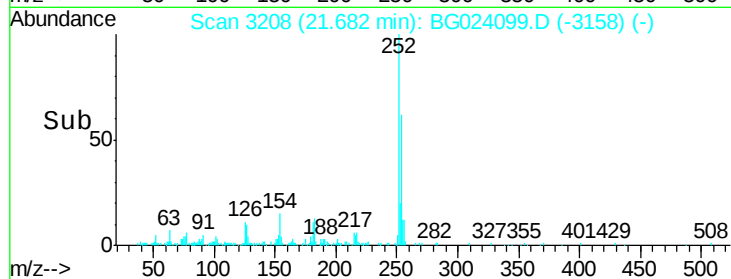
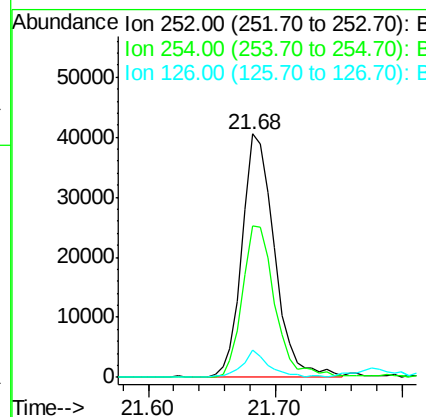
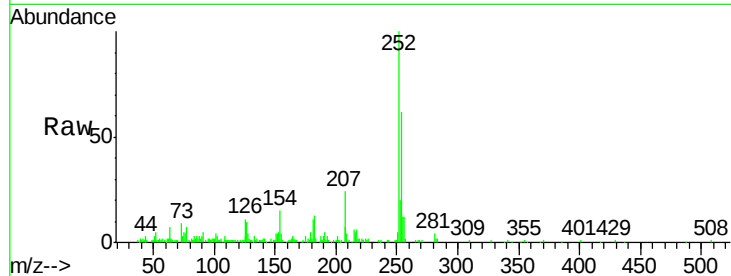


#81
 3,3'-Dichlorobenzidine
 Concen: 7.89 ng
 RT: 21.68 min Scan# 3208
 Delta R.T. -0.01 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

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

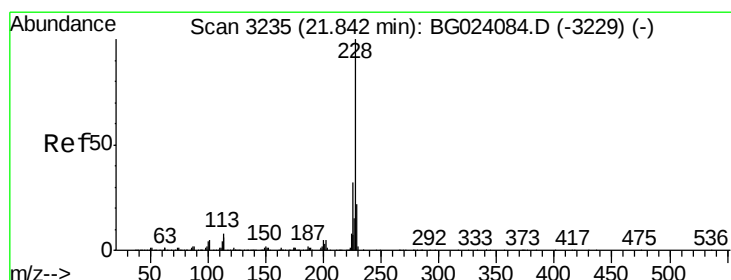
Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.2	51.2	76.8
126	11.4	5.3	7.9

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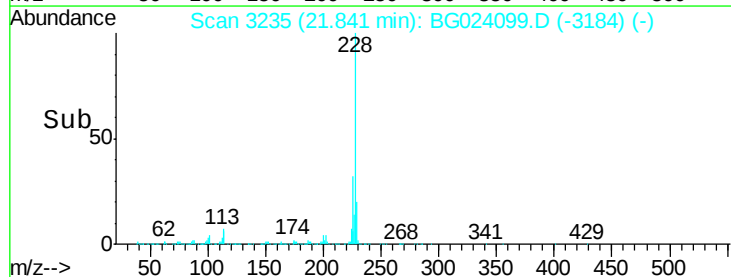
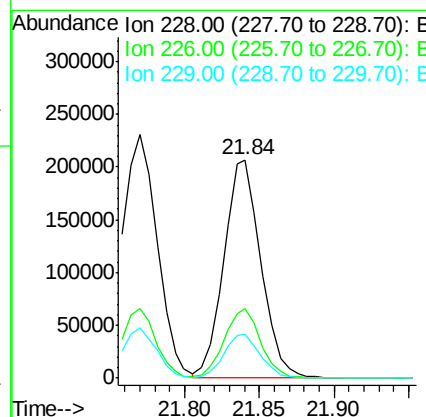
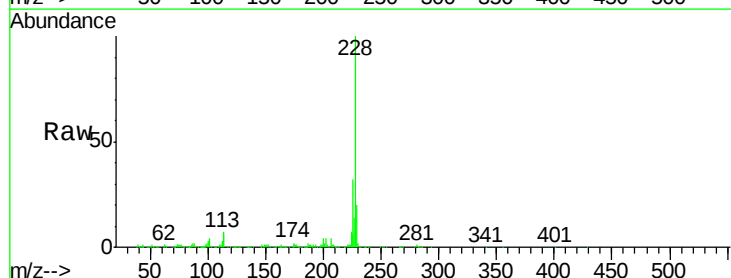
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#82
 Chrysene
 Concen: 14.95 ng
 RT: 21.84 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

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 :

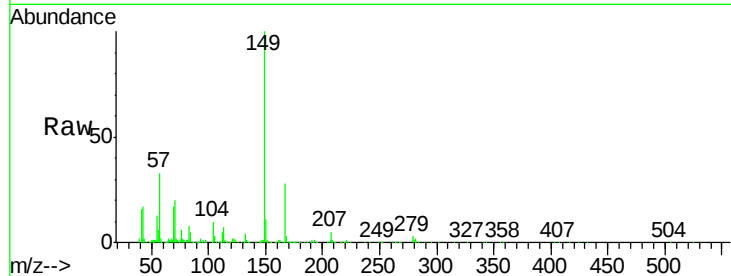
BNA_G

ClientSampleId :

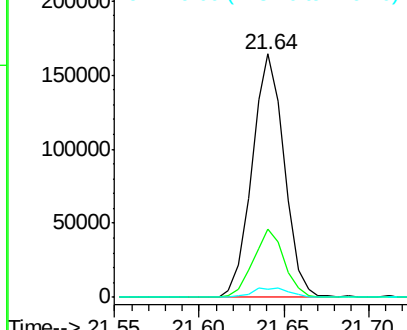
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Tgt Ion:	149	Resp:	216926
Ion Ratio	Lower	Upper	
149	100		
167	28.3	24.0	36.0
279	3.4	4.8	7.2#

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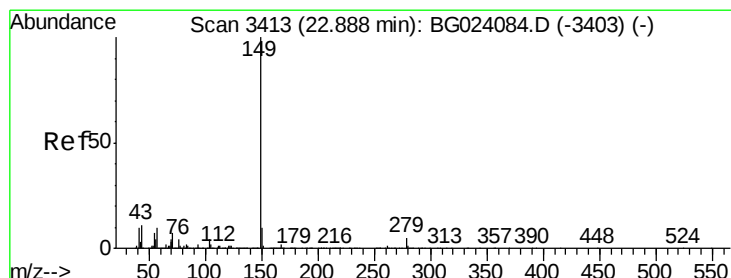
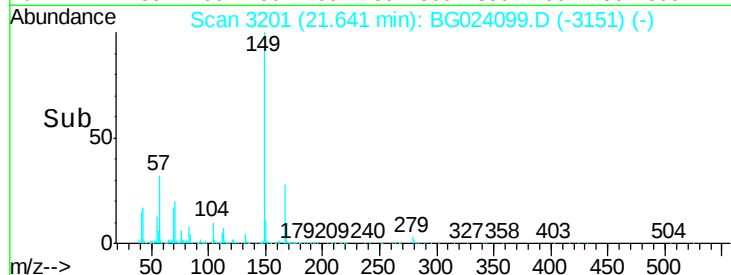


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



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#84

Di-n-octyl phthalate

Concen: 15.74 ng

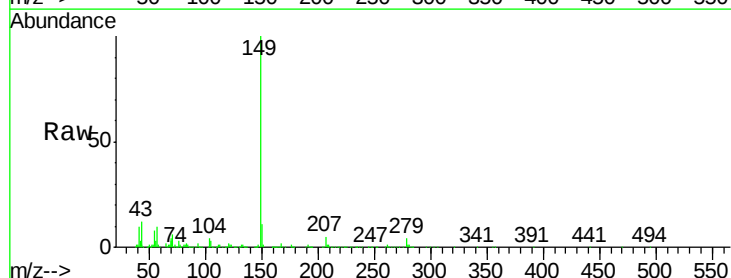
RT: 22.88 min Scan# 3412

Delta R.T. -0.01 min

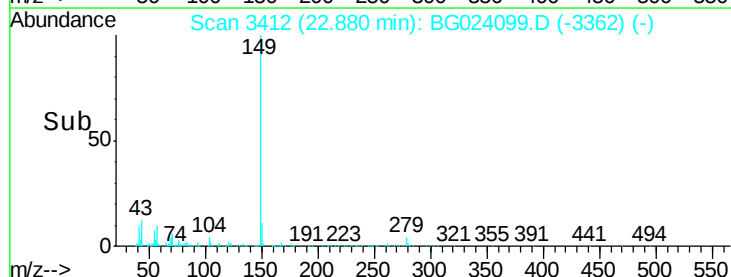
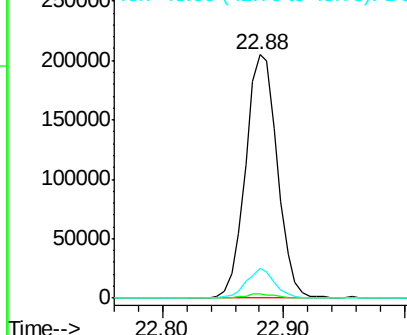
Lab File: BG024099.D

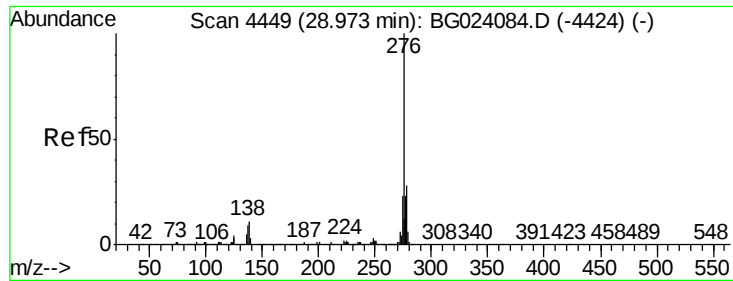
Acq: 23 Sep 2016 22:37

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



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGO



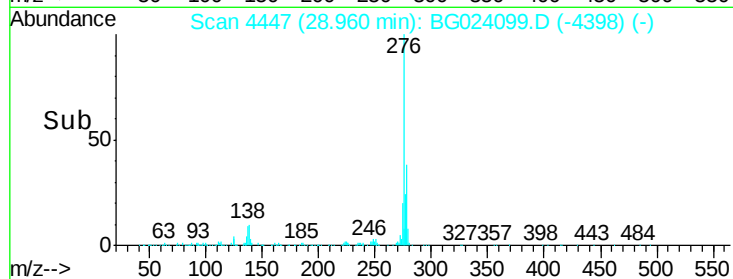
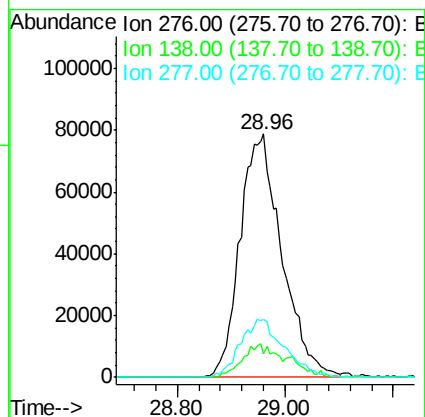
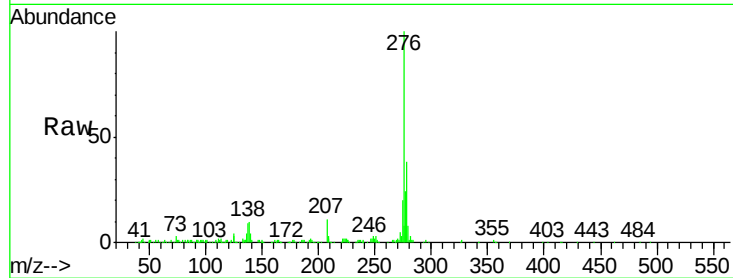


#85
Indeno(1,2,3-cd)pyrene
Concen: 15.81 ng
RT: 28.96 min Scan# 4447
Delta R.T. -0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

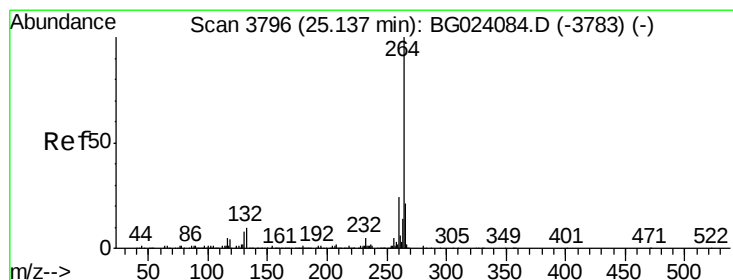
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	421439		
138	10.7	0.0	0.0#	
277	25.1	0.0	0.0#	

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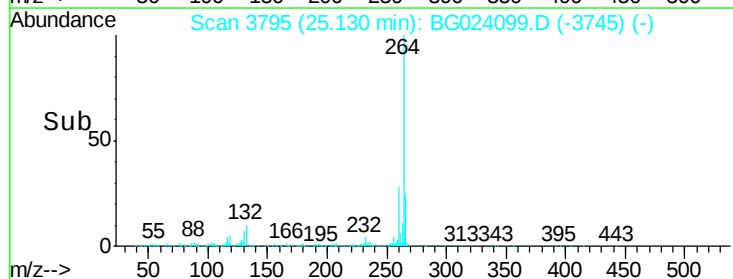
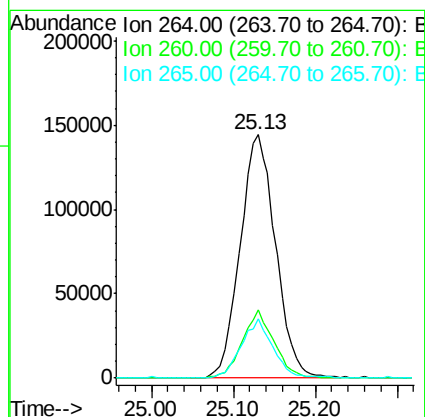
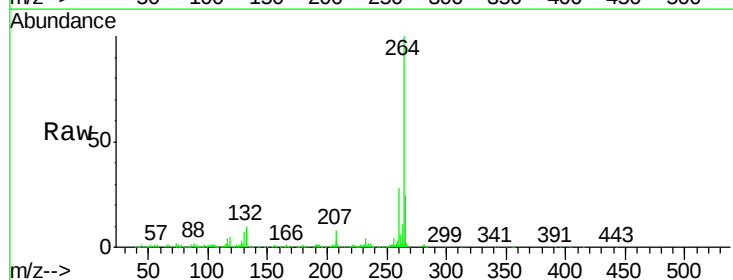
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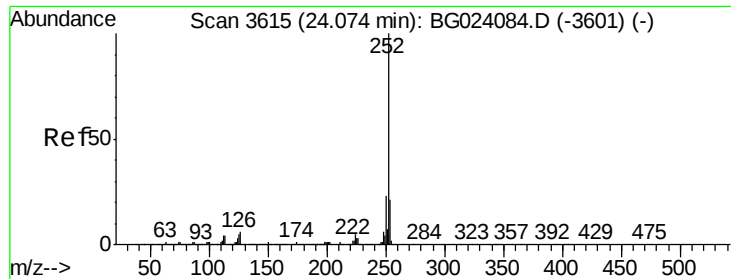
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#86
Perylene-d12
Concen: 20.00 ng
RT: 25.13 min Scan# 3795
Delta R.T. -0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	433638		
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 :

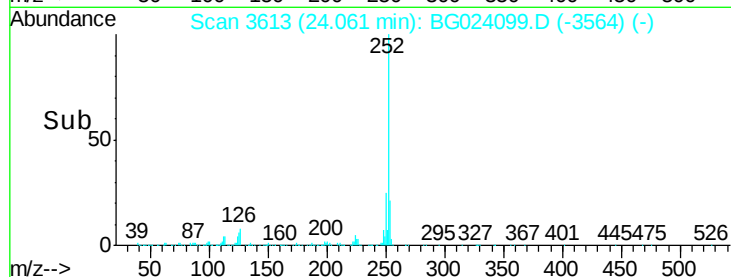
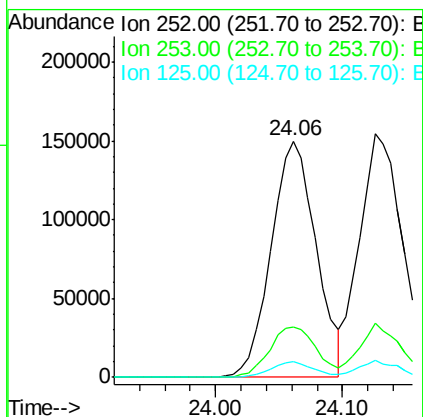
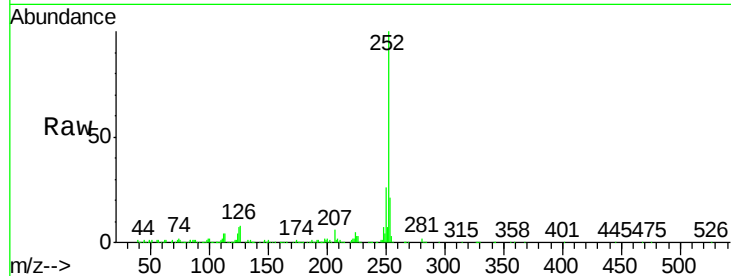
BNA_G

ClientSampleId :

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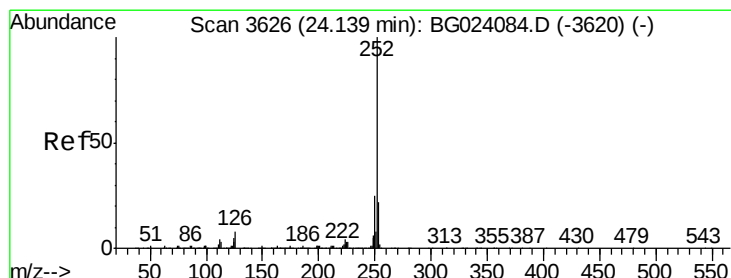
Tgt Ion:	252	Resp:	369849
Ion Ratio	Lower	Upper	
252	100		
253	21.2	18.9	28.3
125	6.5	3.9	5.9#

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#88

Benzo(k)fluoranthene

Concen: 14.63 ng

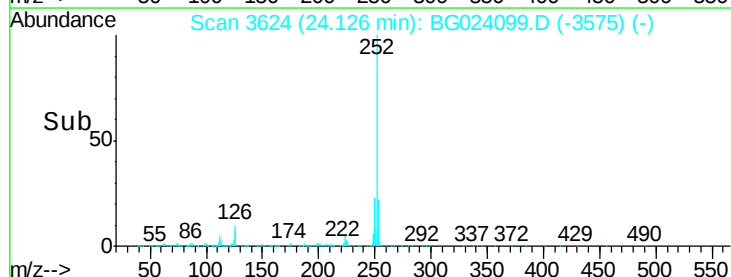
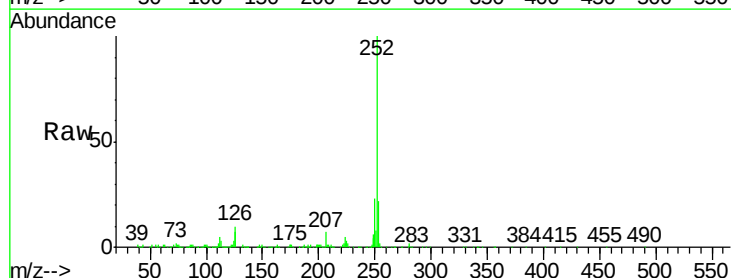
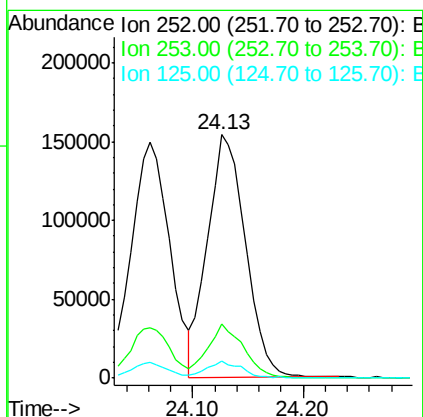
RT: 24.13 min Scan# 3624

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#



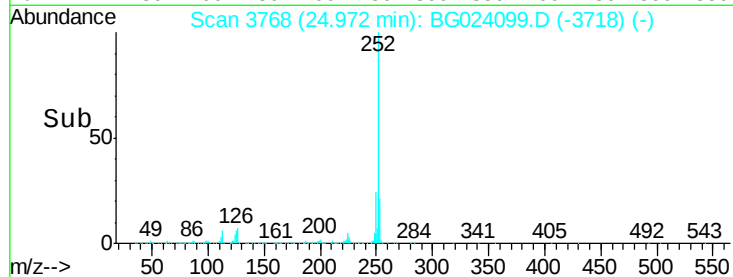
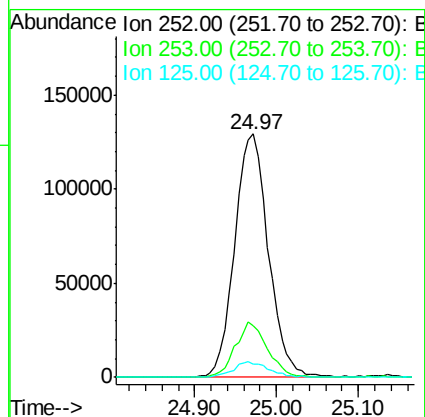
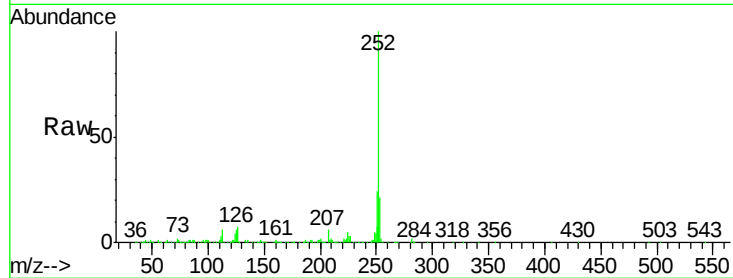


#89
Benzo(a)pyrene
Concen: 15.20 ng
RT: 24.97 min Scan# 3768
Delta R.T. -0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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

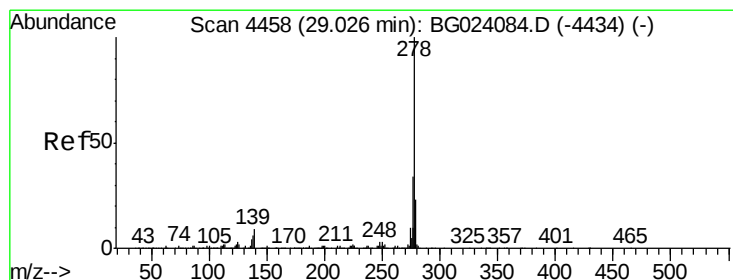
Tgt Ion:	252	Resp:	370819
Ion Ratio	Lower	Upper	
252	100		
253	21.0	18.7	28.1
125	5.6	3.9	5.9

Manual Integrations
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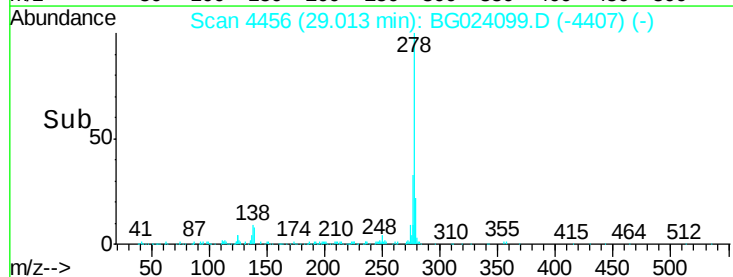
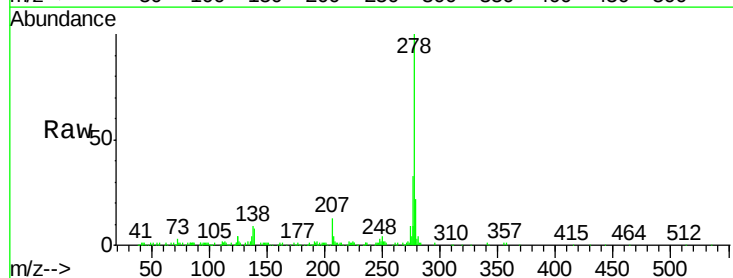
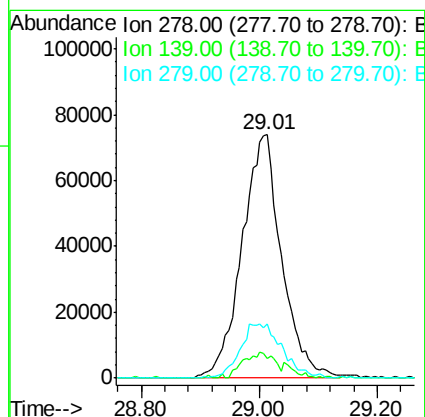
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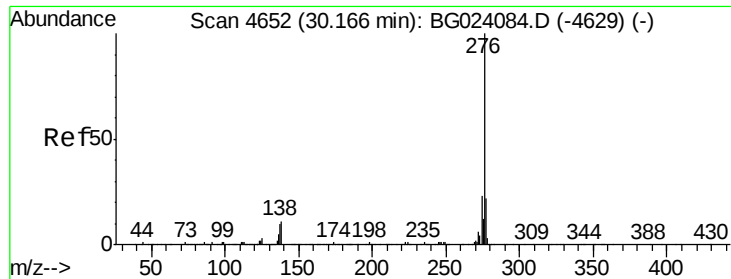
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#90
Dibenzo(a,h)anthracene
Concen: 14.16 ng
RT: 29.01 min Scan# 4456
Delta R.T. -0.01 min
Lab File: BG024099.D
Acq: 23 Sep 2016 22:37

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



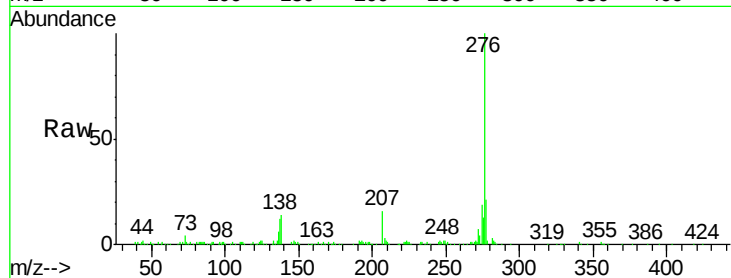


#91
 Benzo(g,h,i)perylene
 Concen: 14.30 ng
 RT: 30.15 min Scan# 4650
 Delta R.T. -0.01 min
 Lab File: BG024099.D
 Acq: 23 Sep 2016 22:37

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	21.4	18.6	27.8
138	13.6	6.8	10.2

Manual Integrations
 APPROVED

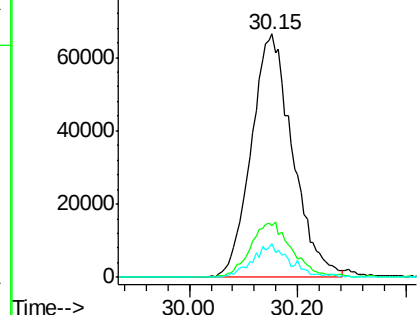
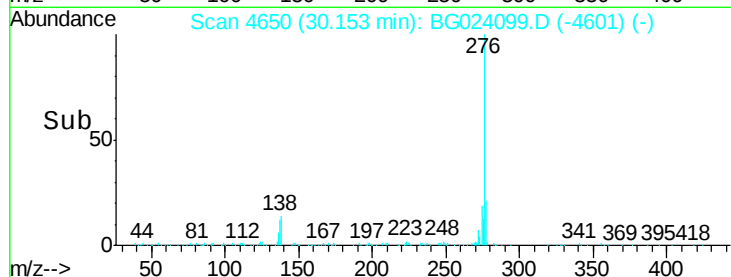


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



sohil

9/26/2016 6:41:21 PM