

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032117\
 Data File : BG026365.D
 Acq On : 21 Mar 2017 19:23
 Operator : SJ/MA
 Sample : I2296-02
 Misc : LOQ 20 PPB
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

Manual Integrations
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mohammad
 3/23/2017 3:31:54 PM

Quant Time: Mar 22 05:12:20 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG032017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 20 17:43:27 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	135603	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	584147	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	341309	20.00	ng	0.00
63) Phenanthrene-d10	17.38	188	803531	20.00	ng	0.00
75) Chrysene-d12	21.63	240	923772	20.00	ng	0.00
86) Perylene-d12	24.81	264	911159	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	971001	127.09	ng	0.00
7) Phenol-d6	7.21	99	1262201	123.06	ng	0.00
23) Nitrobenzene-d5	9.21	82	869586	89.51	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	537678	137.56	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	2285729	93.92	ng	0.00
78) Terphenyl-d14	19.98	244	3149035	82.79	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.51	88	65825	19.20	ng	# 69
3) Pyridine	3.91	79	182067	19.39	ng	# 59
4) n-Nitrosodimethylamine	3.82	42	43696	17.02	ng	# 1
6) Aniline	7.37	93	256682	18.73	ng	# 84
8) 2-Chlorophenol	7.61	128	163911	19.05	ng	# 82
9) Benzaldehyde	7.18	77	128436	18.55	ng	# 73
10) Phenol	7.23	94	206933	18.91	ng	# 70
11) bis(2-Chloroethyl)ether	7.46	93	171954	19.16	ng	# 80
12) 1,3-Dichlorobenzene	7.94	146	200509	19.58	ng	# 85
13) 1,4-Dichlorobenzene	8.08	146	208029m	20.08	ng	# 92
14) 1,2-Dichlorobenzene	8.40	146	199255	20.10	ng	# 75
15) Benzyl Alcohol	8.28	79	125033	18.59	ng	# 81
16) 2,2'-oxybis(1-Chloropropan	8.57	45	171238	17.18	ng	# 79
17) 2-Methylphenol	8.48	107	150183	19.32	ng	# 95
18) Hexachloroethane	9.13	117	64767	19.12	ng	# 69
19) n-Nitroso-di-n-propylamine	8.84	70	124015	18.81	ng	# 85
20) 3+4-Methylphenols	8.81	107	207182	19.36	ng	# 71
22) Acetophenone	8.87	105	259999	19.36	ng	# 74
24) Nitrobenzene	9.24	77	181722	18.94	ng	# 89
25) Isophorone	9.76	82	348844	19.05	ng	# 61
26) 2-Nitrophenol	9.96	139	98852	19.81	ng	# 85
27) 2,4-Dimethylphenol	10.01	122	160150	19.55	ng	# 97
28) bis(2-Chloroethoxy)methane	10.25	93	230979	19.42	ng	# 93
29) 2,4-Dichlorophenol	10.49	162	168135	20.29	ng	# 93
30) 1,2,4-Trichlorobenzene	10.71	180	193890	20.83	ng	# 99
31) Naphthalene	10.90	128	591478	20.03	ng	# 71
32) Benzoic acid	10.12	122	106082	16.83	ng	# 82
33) 4-Chloroaniline	11.00	127	233962	19.48	ng	# 98
34) Hexachlorobutadiene	11.19	225	109923	20.02	ng	# 51
35) Caprolactam	11.75	113	60626	18.57	ng	# 74
36) 4-Chloro-3-methylphenol	12.11	107	170000	19.18	ng	# 91
37) 2-Methylnaphthalene	12.49	142	442267	20.44	ng	# 98
39) 1,2,4,5-Tetrachlorobenzene	12.86	216	214159	20.85	ng	# 94
40) Hexachlorocyclopentadiene	12.84	237	97104	17.96	ng	

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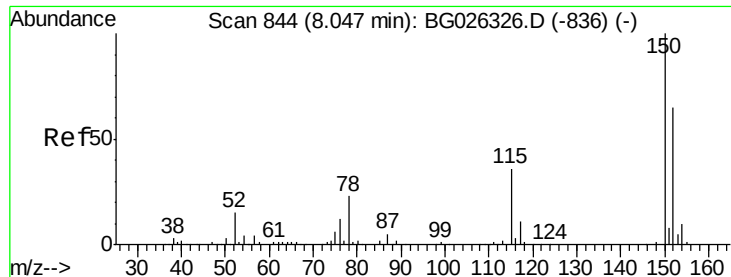
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.09	196	132777	19.75	ng	93
43) 2,4,5-Trichlorophenol	13.17	196	151411	20.37	ng #	92
45) 1,1'-Biphenyl	13.49	154	571050	20.20	ng	98
46) 2-Chloronaphthalene	13.54	162	417714	20.23	ng	94
47) 2-Nitroaniline	13.73	65	102707	17.49	ng #	53
48) Acenaphthylene	14.38	152	727912	20.23	ng	98
49) Dimethylphthalate	14.10	163	517954	20.11	ng	97
50) 2,6-Dinitrotoluene	14.22	165	121059	20.13	ng #	64
51) Acenaphthene	14.72	154	442616	19.97	ng	98
52) 3-Nitroaniline	14.55	138	127492	19.26	ng #	67
53) 2,4-Dinitrophenol	14.76	184	51399	14.74	ng #	72
54) Dibenzofuran	15.05	168	636683	20.40	ng #	89
55) 4-Nitrophenol	14.85	139	104370	19.25	ng #	39
56) 2,4-Dinitrotoluene	15.01	165	167464	19.80	ng #	69
57) Fluorene	15.69	166	571876	20.60	ng	99
58) 2,3,4,6-Tetrachlorophenol	15.27	232	129287	19.95	ng #	97
59) Diethylphthalate	15.45	149	524809	19.93	ng	98
60) 4-Chlorophenyl-phenylether	15.68	204	270579	20.56	ng	88
61) 4-Nitroaniline	15.70	138	131487	18.78	ng #	49
62) Azobenzene	15.97	77	401087	18.73	ng	78
64) 4,6-Dinitro-2-methylphenol	15.77	198	95928	18.94	ng	83
65) n-Nitrosodiphenylamine	15.89	169	479878	20.35	ng	100
66) 4-Bromophenyl-phenylether	16.57	248	176399	21.33	ng	92
67) Hexachlorobenzene	16.70	284	185485	21.02	ng	92
68) Atrazine	16.83	200	175525	19.66	ng	97
69) Pentachlorophenol	17.04	266	108610	18.93	ng	96
70) Phenanthrene	17.43	178	884849	20.51	ng	95
71) Anthracene	17.51	178	904744	20.55	ng	97
72) Carbazole	17.78	167	916928	20.23	ng #	94
73) Di-n-butylphthalate	18.33	149	918709	19.73	ng #	92
74) Fluoranthene	19.42	202	1047772	20.65	ng	94
76) Benzidine	19.60	184	559531	17.57	ng	95
77) Pyrene	19.79	202	1096255	20.49	ng	97
79) Butylbenzylphthalate	20.66	149	406581	19.00	ng #	84
80) Benzo(a)anthracene	21.61	228	1056677	20.33	ng	94
81) 3,3'-Dichlorobenzidine	21.52	252	404125	18.99	ng #	99
82) Chrysene	21.68	228	1007460	20.28	ng	97
83) Bis(2-ethylhexyl)phthalate	21.51	149	603953	18.68	ng	99
84) Di-n-octyl phthalate	22.70	149	1033346	18.73	ng #	81
85) Indeno(1,2,3-cd)pyrene	28.43	276	1218834	19.88	ng #	88
87) Benzo(b)fluoranthene	23.80	252	1051575	19.58	ng #	95
88) Benzo(k)fluoranthene	23.87	252	1062700	20.40	ng #	92
89) Benzo(a)pyrene	24.66	252	1024823	19.89	ng #	94
90) Dibenzo(a,h)anthracene	28.49	278	1025903	19.70	ng #	92
91) Benzo(g,h,i)perylene	29.56	276	1035231	19.73	ng #	89

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 844

Delta R.T. 0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Instrument :

BNA_G

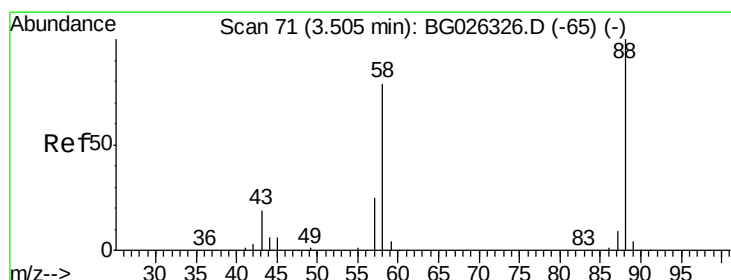
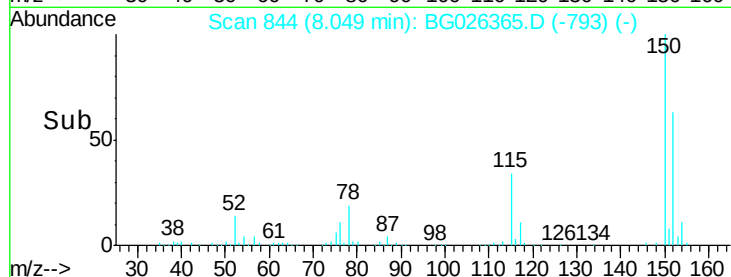
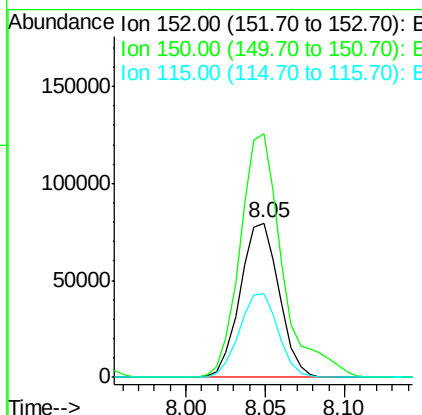
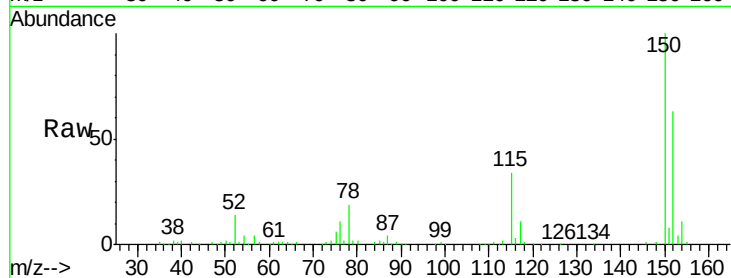
ClientSampleId :

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Tgt Ion:	152	Resp:	135603
Ion Ratio	Lower	Upper	
152	100		
150	158.1	114.0	171.0
115	54.1	48.1	72.1

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#2

1,4-Dioxane

Concen: 19.20 ng

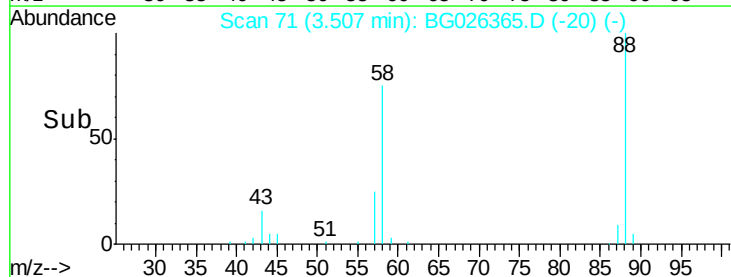
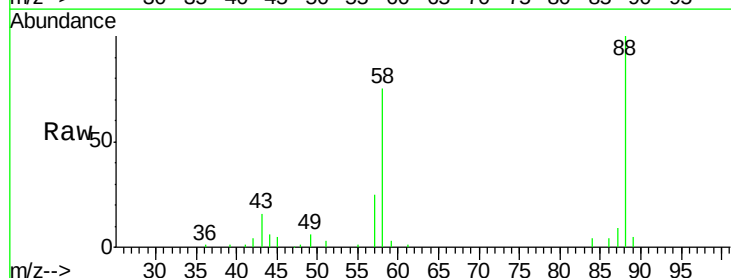
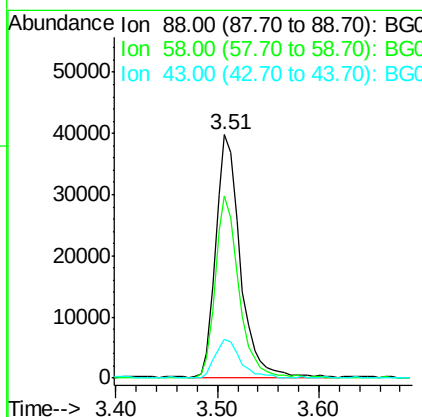
RT: 3.51 min Scan# 71

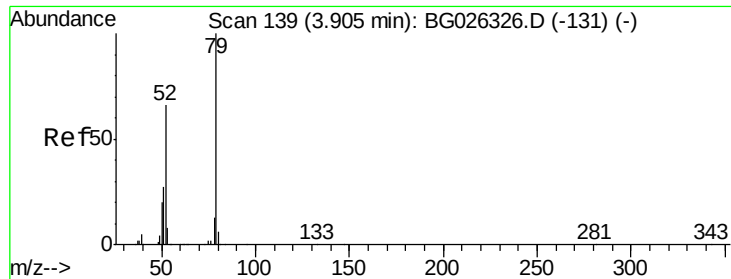
Delta R.T. 0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Tgt Ion:	88	Resp:	65825
Ion Ratio	Lower	Upper	
88	100		
58	73.0	79.4	119.2#
43	16.6	33.8	50.6#





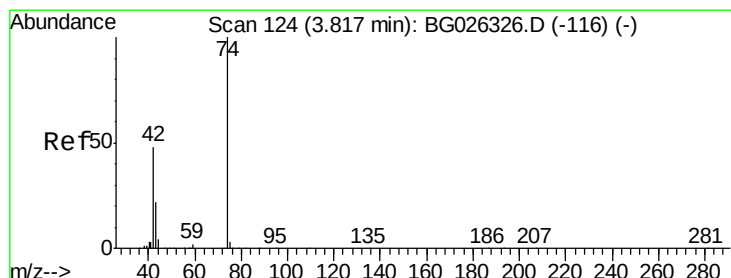
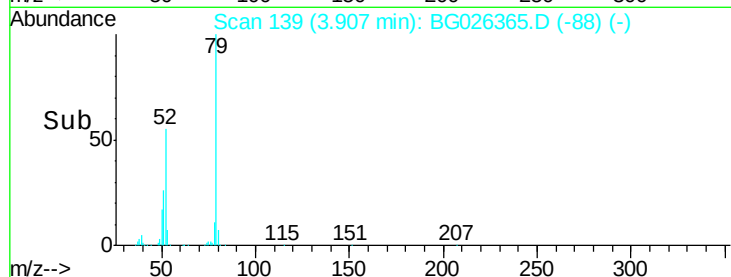
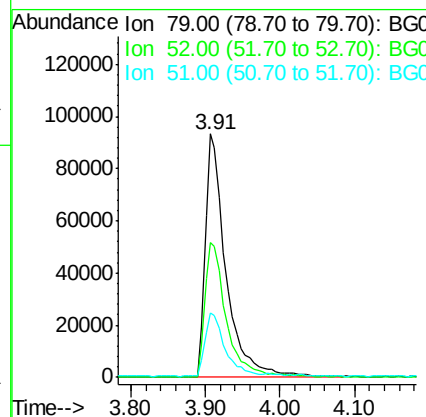
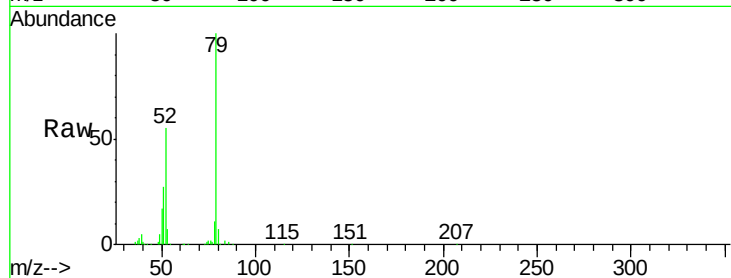
#3
 Pyridine
 Concen: 19.39 ng
 RT: 3.91 min Scan# 139
 Delta R.T. 0.00 min
 Lab File: BG026365.D
 Acq: 21 Mar 2017 19:23

Instrument :
 BNA_G
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
79	100		
52	55.3	77.8	116.6#
51	26.6	43.2	64.8#

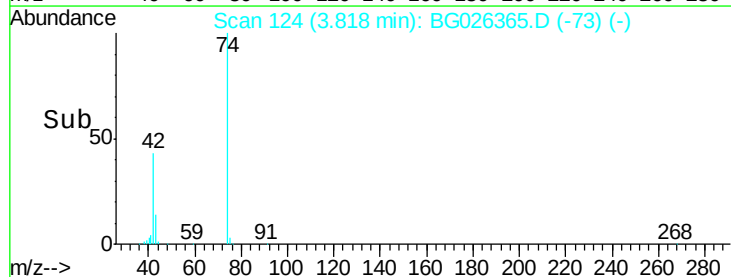
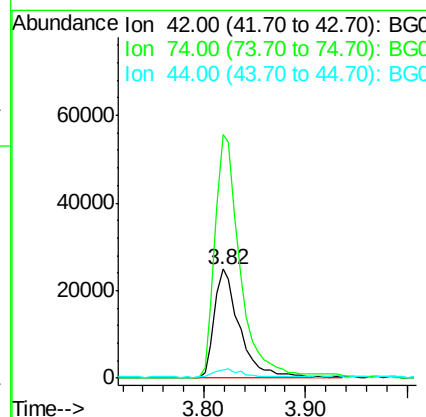
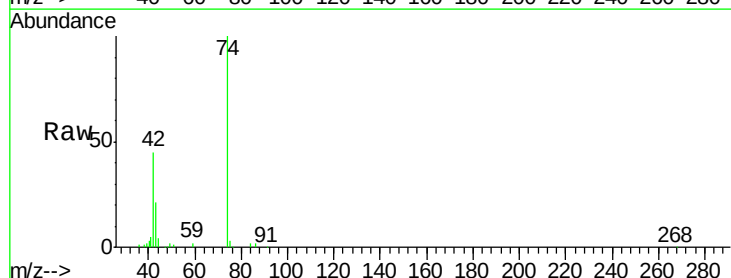
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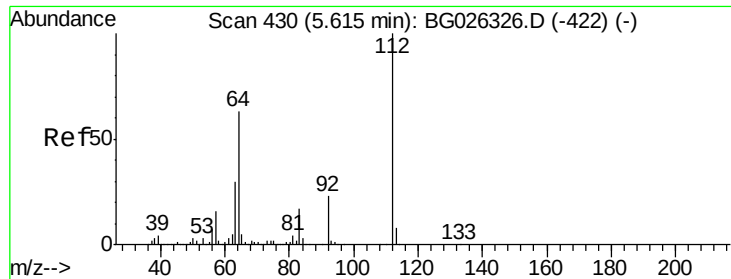
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#4
 n-Nitrosodimethylamine
 Concen: 17.02 ng
 RT: 3.82 min Scan# 124
 Delta R.T. 0.00 min
 Lab File: BG026365.D
 Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
42	100		
74	224.1	76.7	115.1#
44	7.9	6.1	9.1





#5

2-Fluorophenol

Concen: 127.09 ng

RT: 5.62 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG026365.D

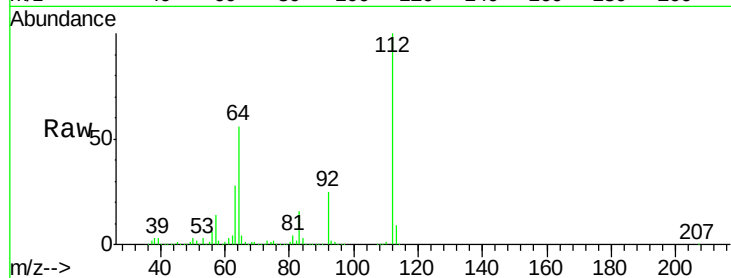
Acq: 21 Mar 2017 19:23

Instrument :

BNA_G

ClientSampleId :

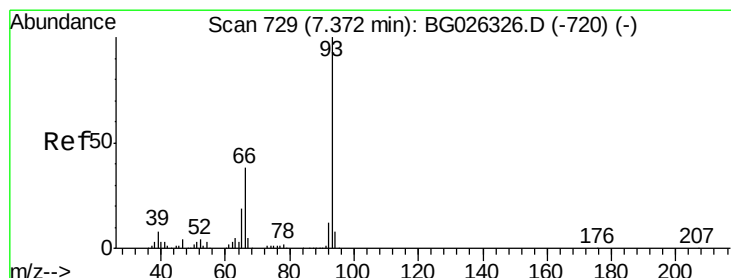
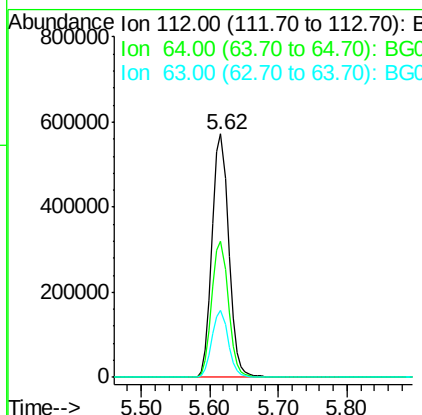
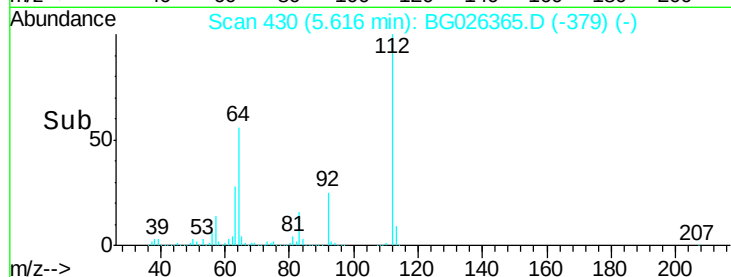
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Tgt Ion	Ratio	Resp	Lower	Upper
112	100	971001		
64	55.7	61.8	92.6#	
63	27.7	37.2	55.8#	

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#6

Aniline

Concen: 18.73 ng

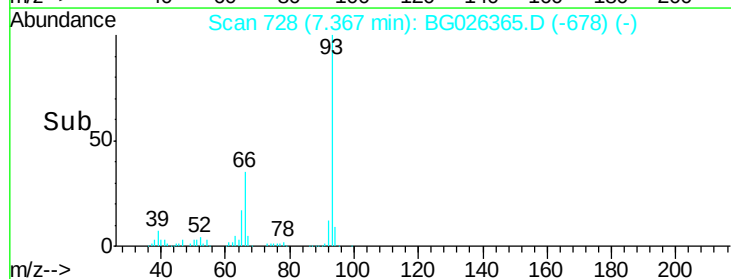
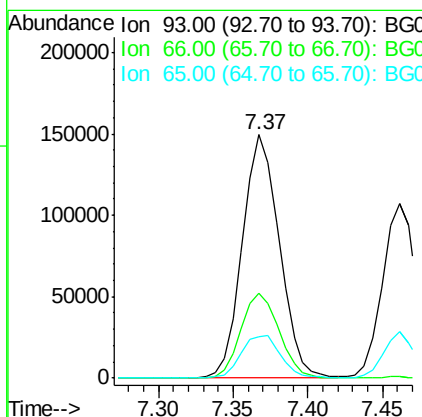
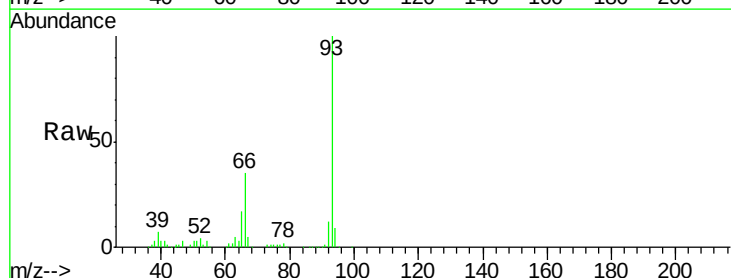
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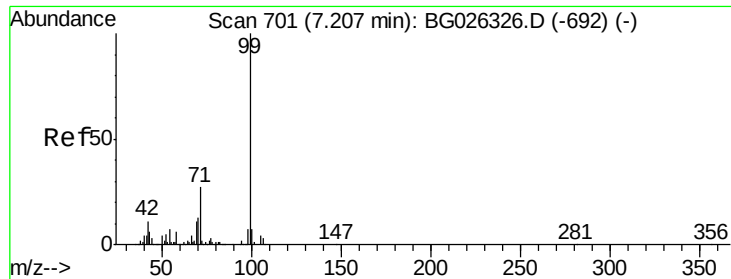
Delta R.T. -0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	256682		
66	34.8	35.4	53.2#	
65	17.1	21.2	31.8#	





#7

Phenol-d6

Concen: 123.06 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Instrument :

BNA_G

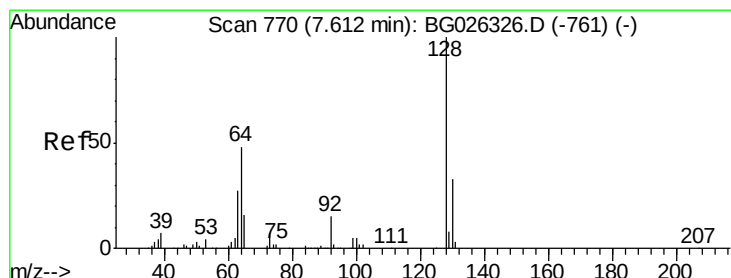
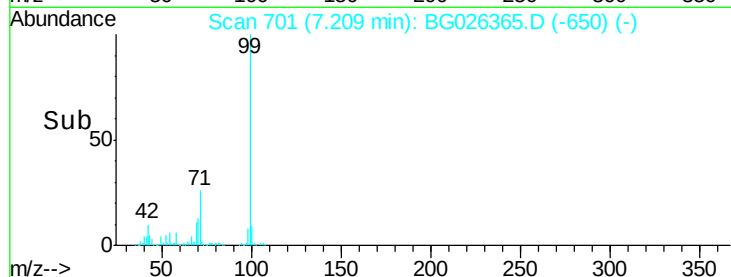
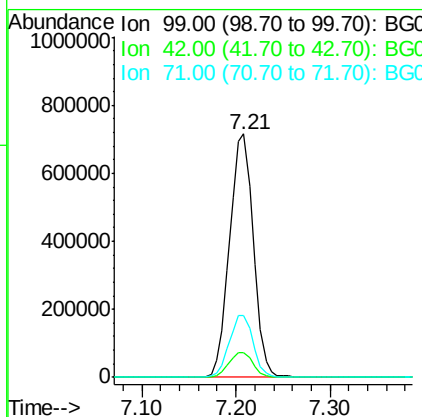
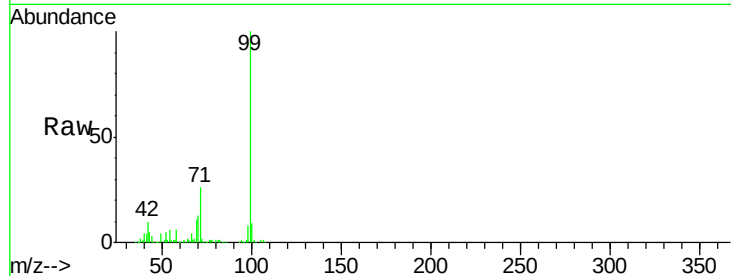
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
99	100		
42	10.3	20.5	30.7#
71	25.5	37.6	56.4#

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#8

2-Chlorophenol

Concen: 19.05 ng

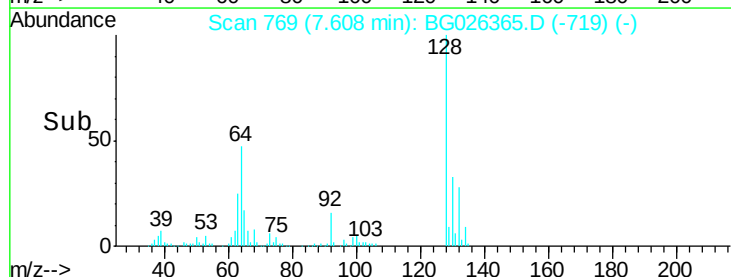
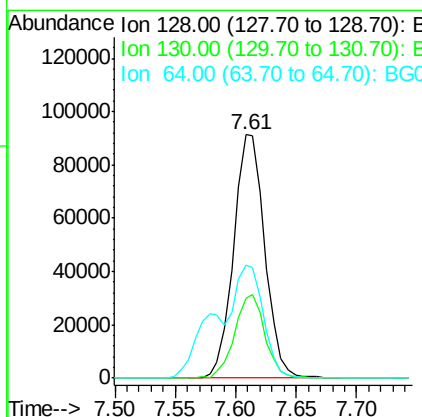
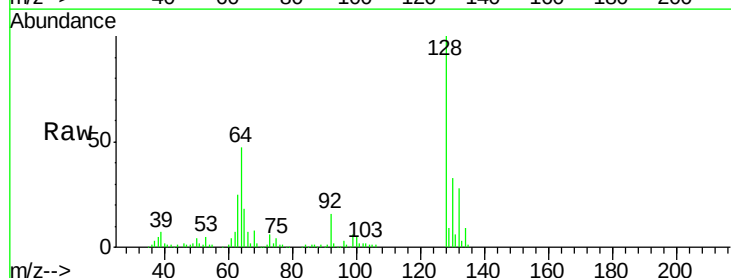
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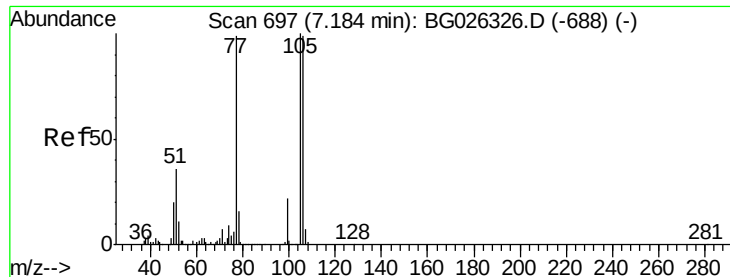
Delta R.T. -0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
128	100		
130	33.0	11.4	51.4
64	46.7	46.6	86.6





#9

Benzaldehyde

Concen: 18.55 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Instrument :

BNA_G

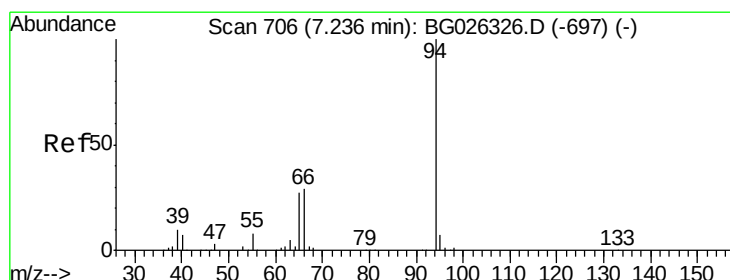
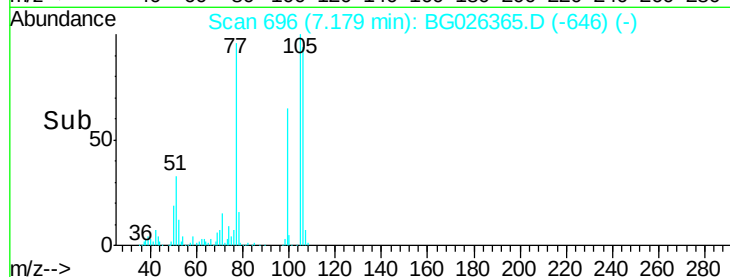
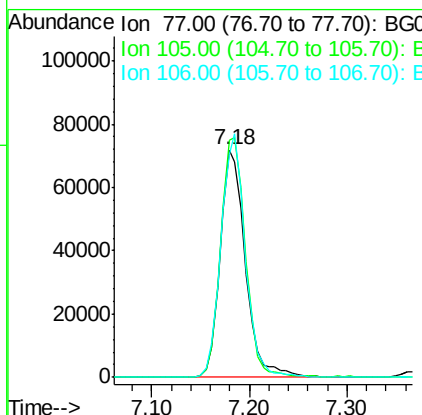
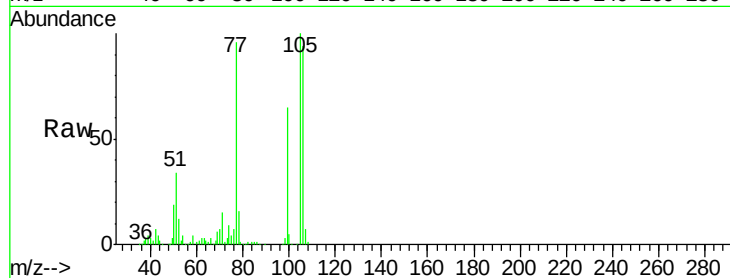
ClientSampleId :

LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Lower	Upper
77	100		
105	104.4	60.9	100.9#
106	98.1	55.1	95.1#

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#10

Phenol

Concen: 18.91 ng

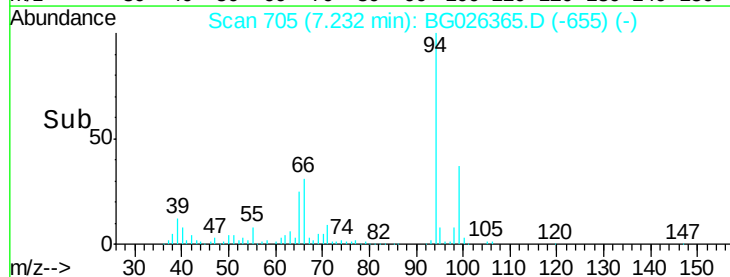
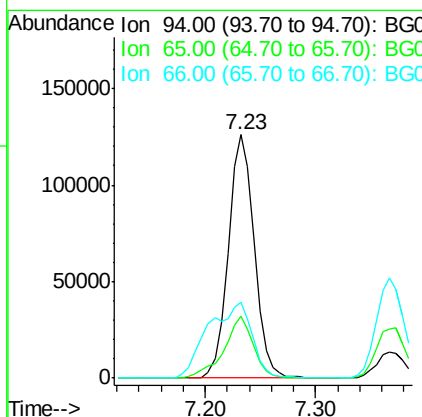
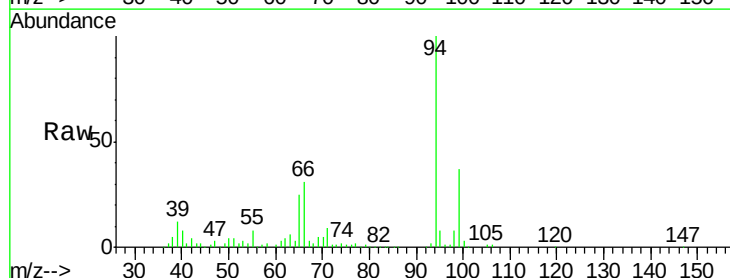
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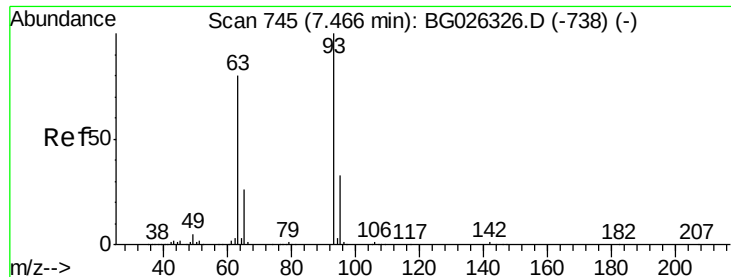
Delta R.T. -0.00 min

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Tgt Ion	Ratio	Lower	Upper
94	100		
65	25.2	20.6	60.6
66	31.0	35.5	75.5#





#11

bis(2-Chloroethyl)ether

Concen: 19.16 ng

RT: 7.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2017

Tgt Ion: 93 Resp: 171954

Ion Ratio Lower Upper

93 100

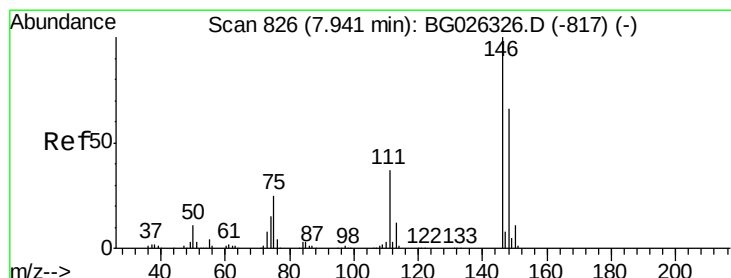
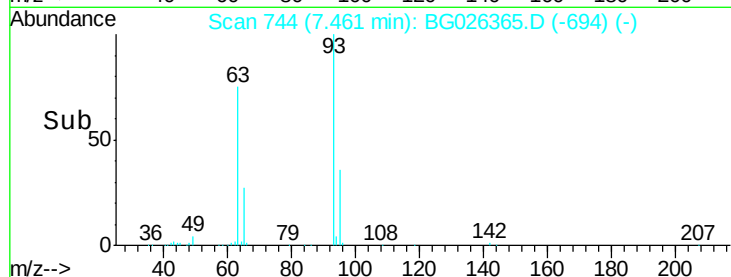
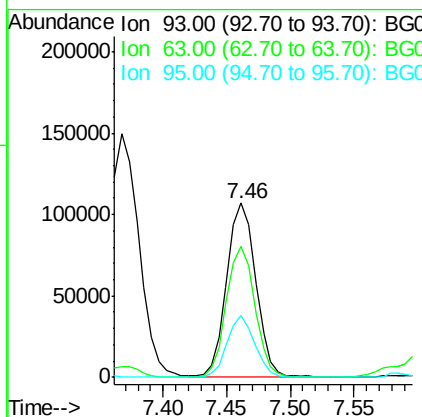
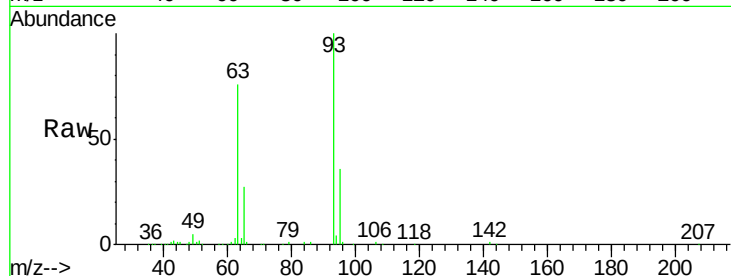
63 75.5 78.5 118.5#

95 35.6 9.8 49.8

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#12

1,3-Dichlorobenzene

Concen: 19.58 ng

RT: 7.94 min Scan# 825

Delta R.T. -0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

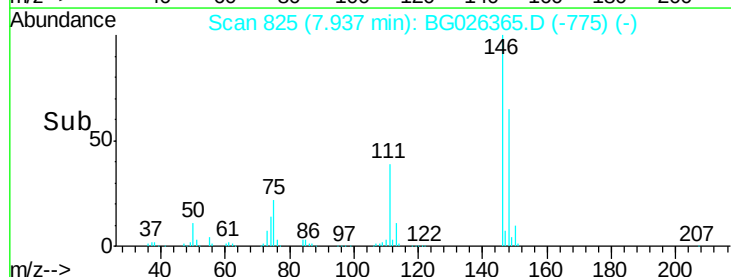
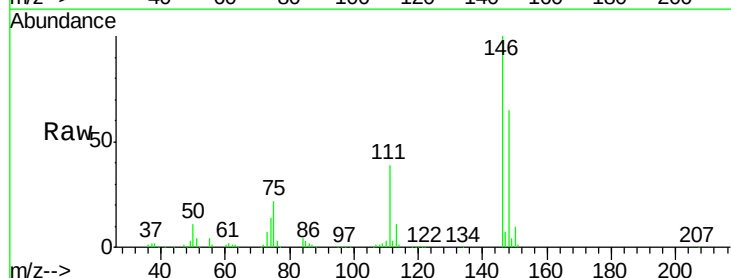
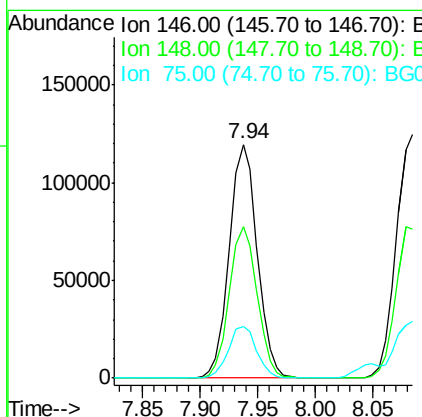
Tgt Ion: 146 Resp: 200509

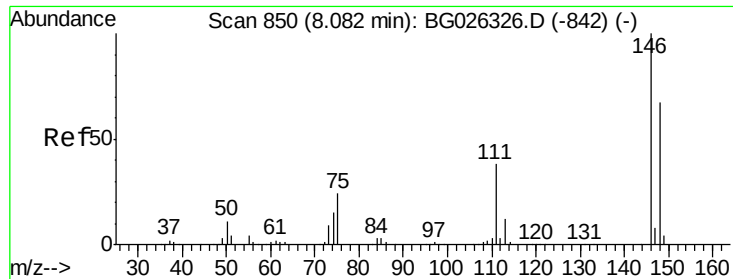
Ion Ratio Lower Upper

146 100

148 64.6 49.2 73.8

75 21.9 33.4 50.2#





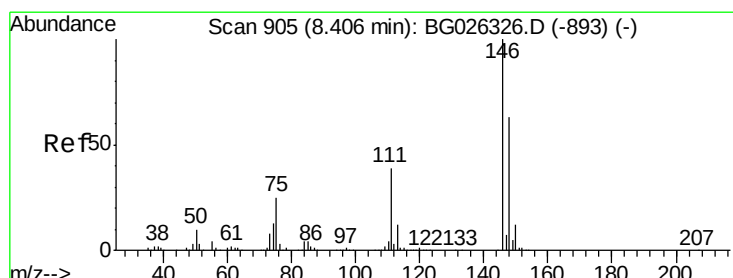
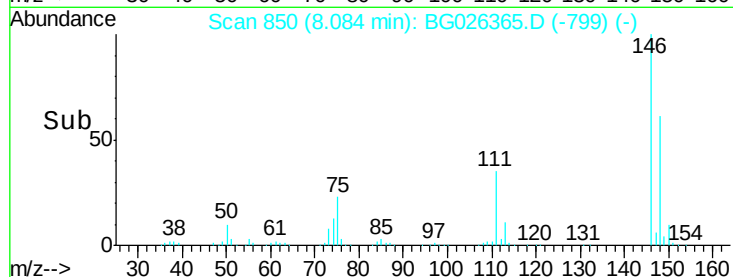
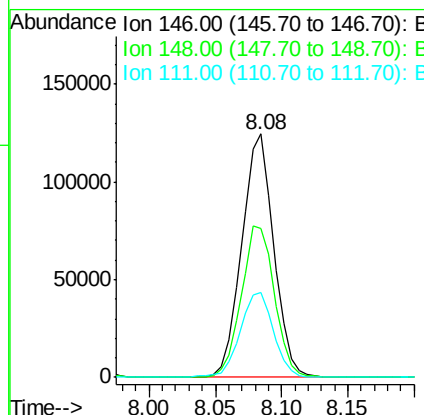
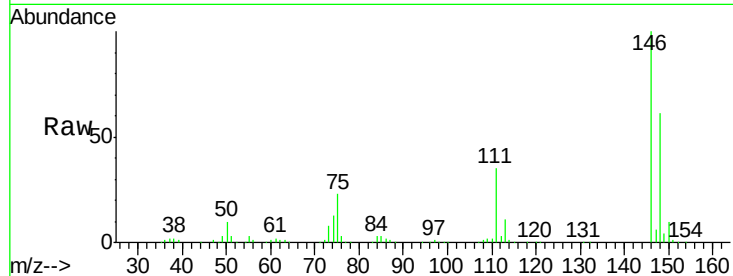
#13
1,4-Dichlorobenzene
Concen: 20.08 ng m
RT: 8.08 min Scan# 850
Delta R.T. 0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.4	52.2	78.2
111	34.8	37.0	55.6

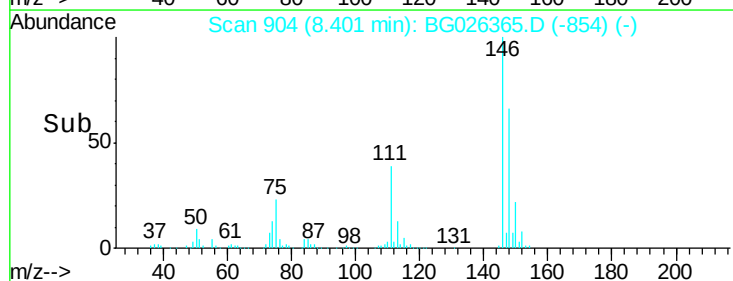
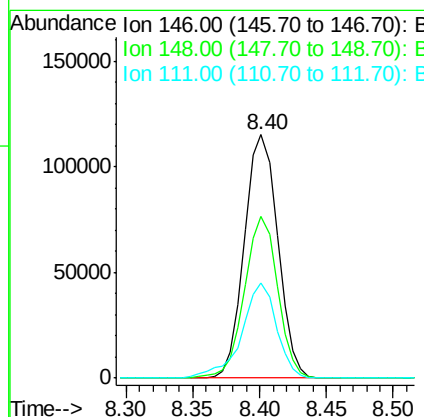
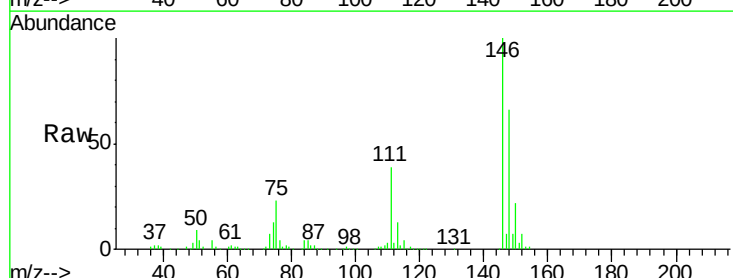
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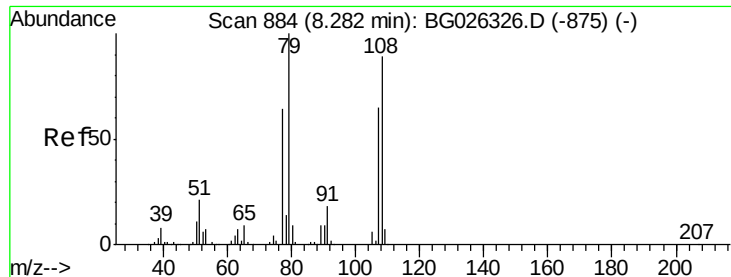
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#14
1,2-Dichlorobenzene
Concen: 20.10 ng
RT: 8.40 min Scan# 904
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.5	54.6	81.8
111	39.2	39.7	59.5





#15

Benzyl Alcohol

Concen: 18.59 ng

RT: 8.28 min Scan# 883

Delta R.T. -0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Instrument :

BNA_G

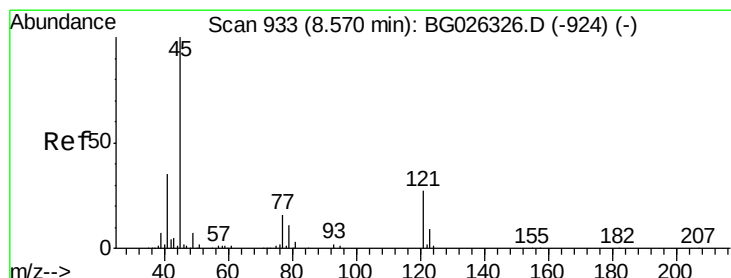
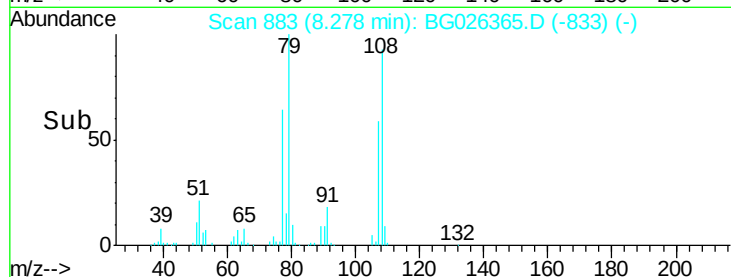
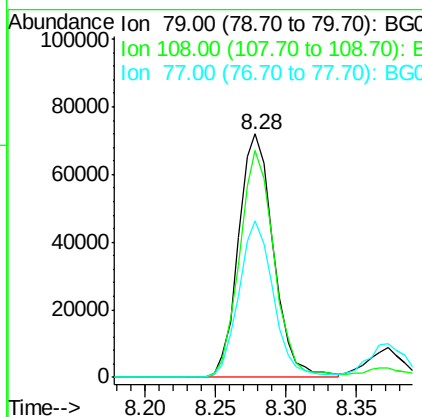
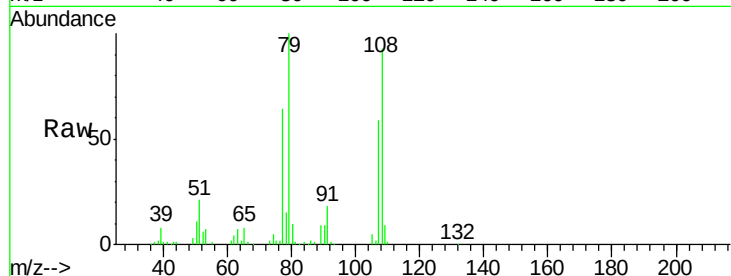
ClientSampleId :

LOQ-SOIL-02-QT2-2017

Tgt Ion:	79	Resp:	125033
Ion Ratio	Lower	Upper	
79	100		
108	93.5	45.5	68.3#
77	64.4	54.3	81.5

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 17.18 ng

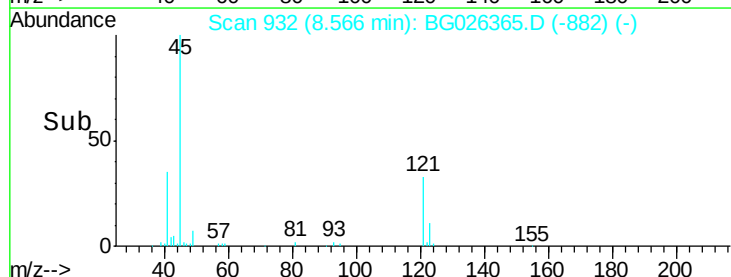
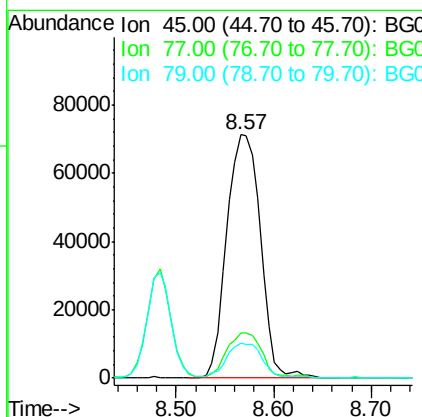
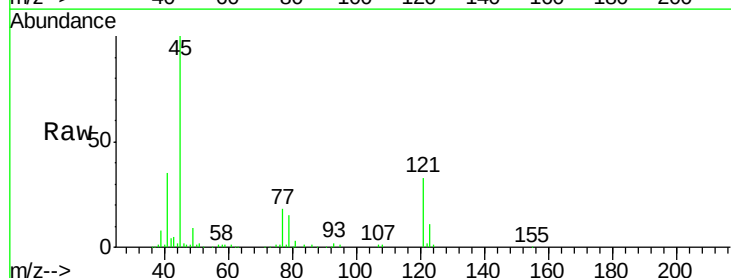
RT: 8.57 min Scan# 932

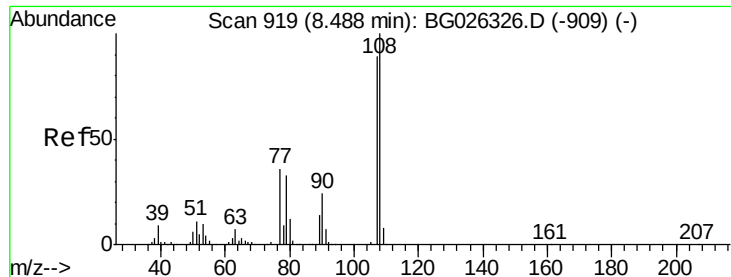
Delta R.T. -0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Tgt Ion:	45	Resp:	171238
Ion Ratio	Lower	Upper	
45	100		
77	18.4	0.0	30.6
79	14.6	0.0	28.5





#17

2-Methylphenol

Concen: 19.32 ng

RT: 8.48 min Scan# 918

Delta R.T. -0.00 min

Lab File: BG026365.D

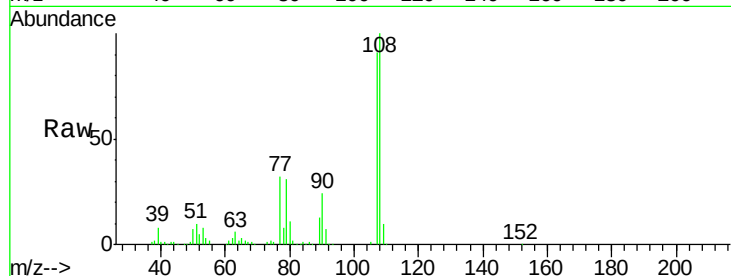
Acq: 21 Mar 2017 19:23

Instrument :

BNA_G

ClientSampleId :

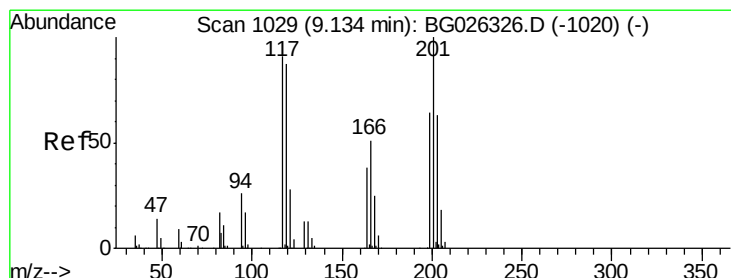
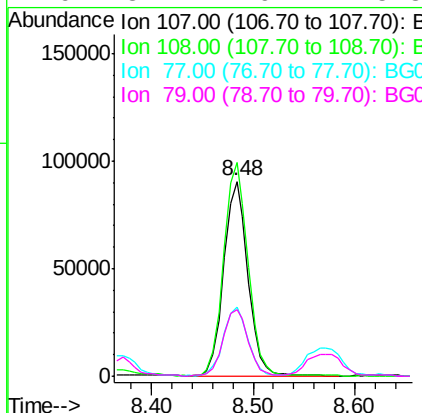
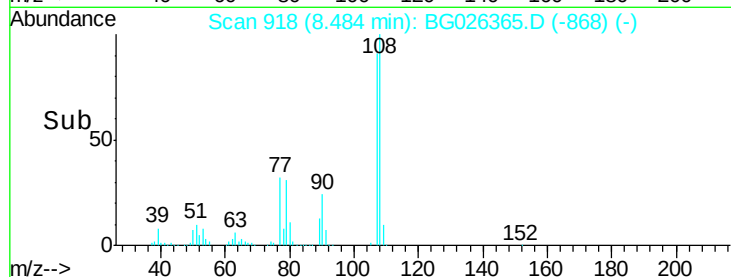
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Tgt Ion	Ratio	Resp	Lower	Upper
107	100	150183		
108	109.6	85.6	128.4	
77	35.4	51.4	77.2#	
79	34.2	49.2	73.8#	

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#18

Hexachloroethane

Concen: 19.12 ng

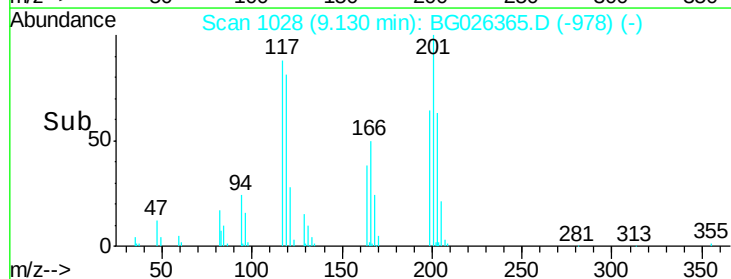
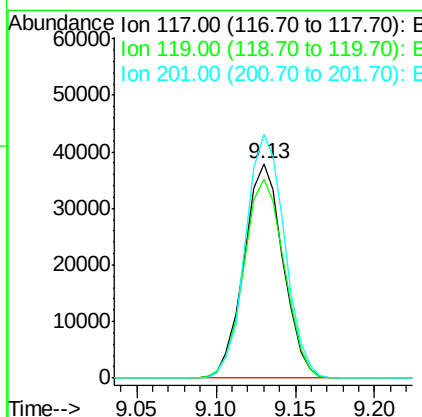
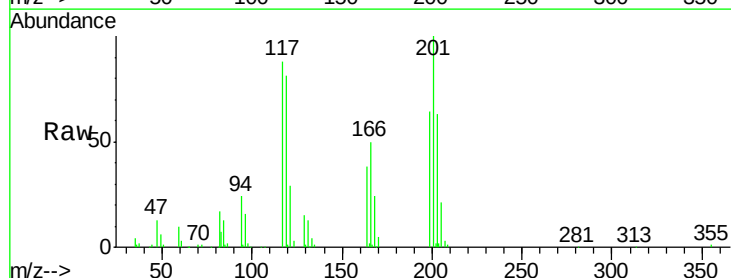
RT: 9.13 min Scan# 1028

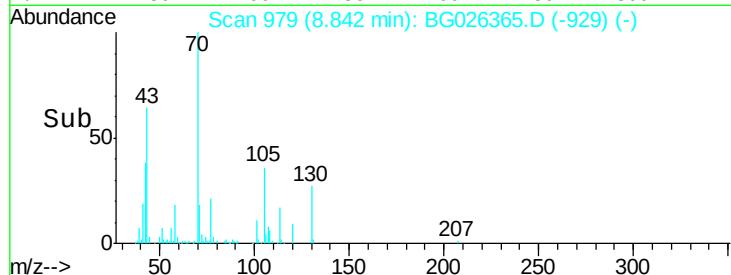
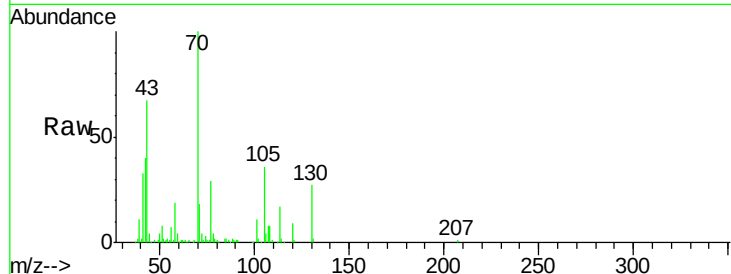
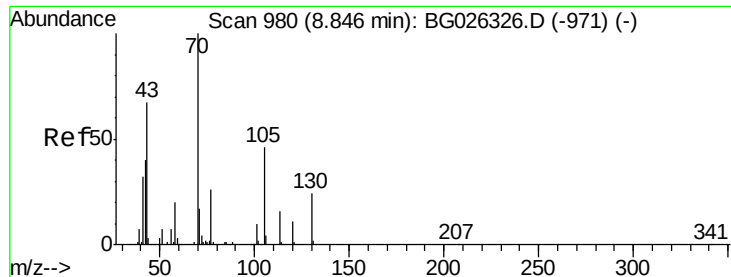
Delta R.T. -0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	64767		
119	92.3	69.8	104.6	
201	113.4	95.4	143.0	





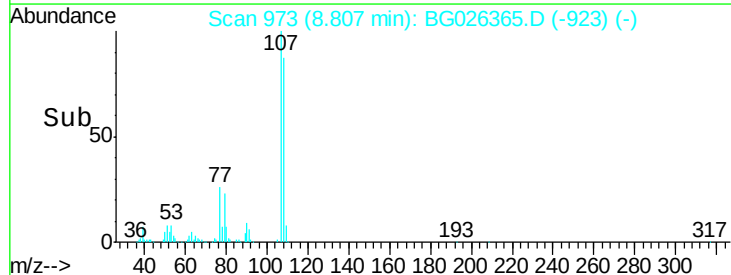
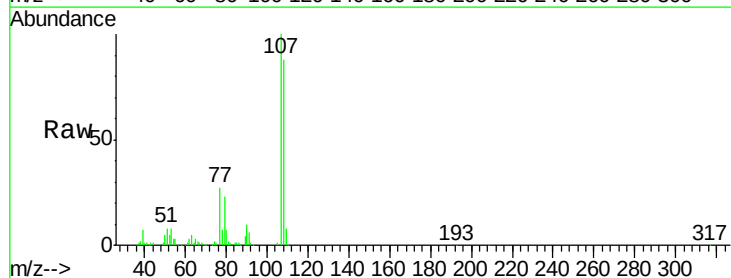
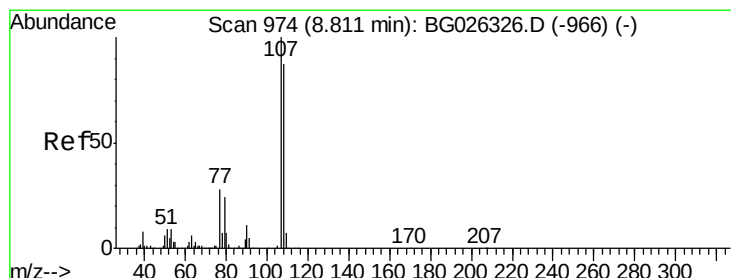
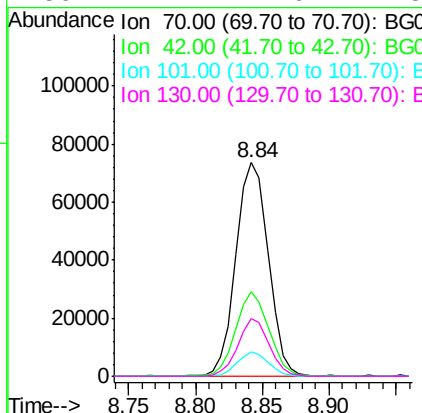
#19
n-Nitroso-di-n-propylamine
Concen: 18.81 ng
RT: 8.84 min Scan# 979
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Lower	Upper
70	100		
42	39.7	56.1	84.1#
101	11.5	7.5	11.3#
130	27.2	14.6	21.8#

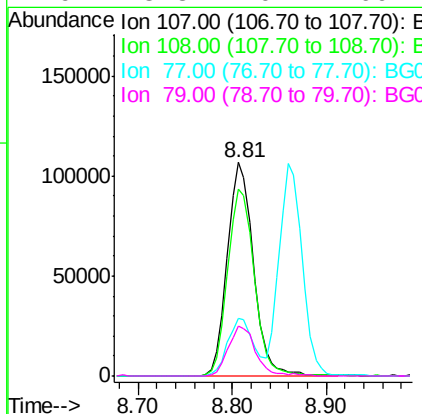
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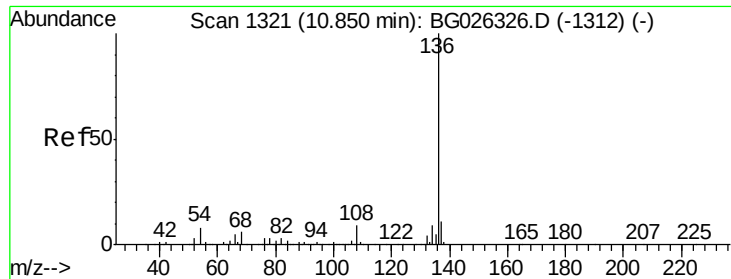
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#20
3+4-Methylphenols
Concen: 19.36 ng
RT: 8.81 min Scan# 973
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.6	70.8	110.8
77	26.7	25.8	65.8
79	23.3	20.1	60.1





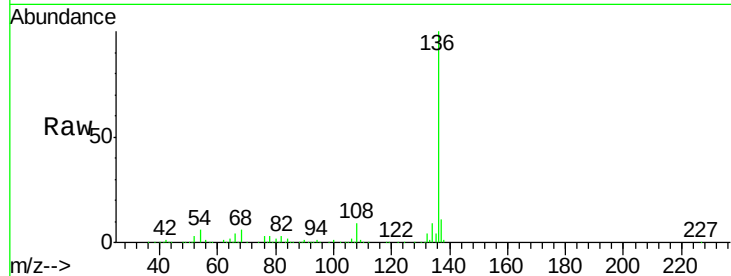
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	584147		
137	11.2	8.9	13.3	
54	6.3	9.3	13.9	
68	6.1	5.1	7.7	

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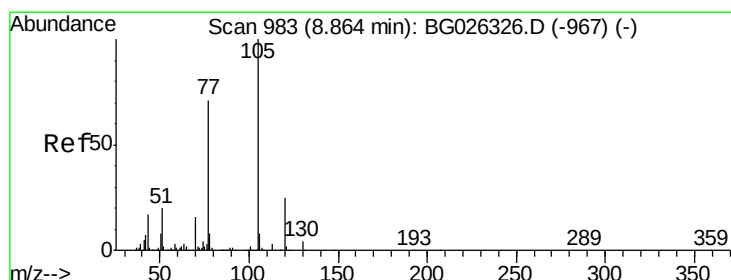
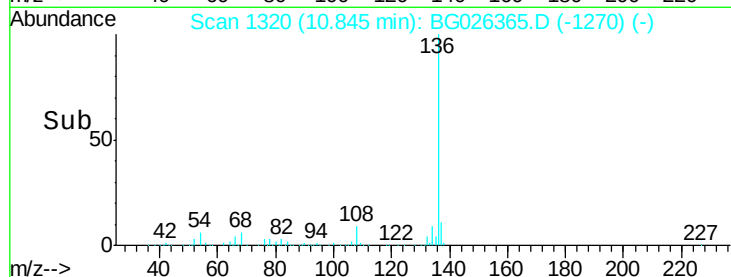
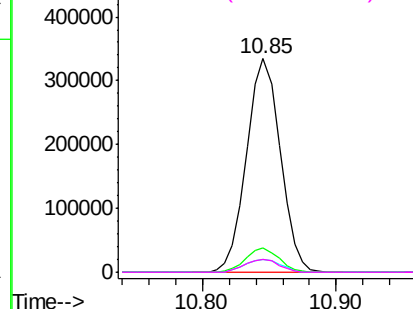
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22
Acetophenone
Concen: 19.36 ng
RT: 8.87 min Scan# 983
Delta R.T. 0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	259999		
71	1.0	0.9	1.3	
51	17.6	34.0	51.0	
120	25.8	17.3	25.9	

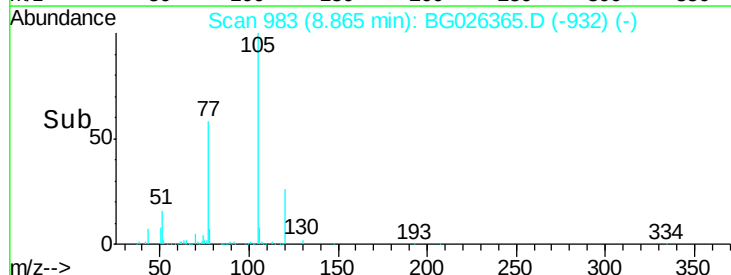
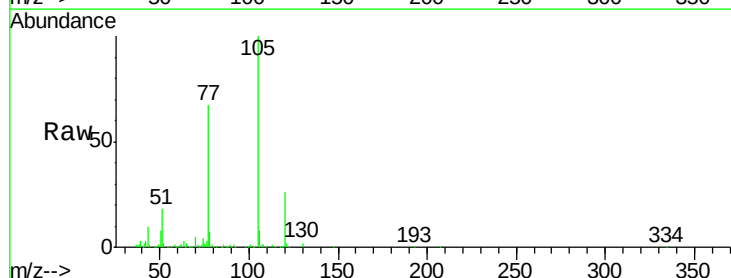
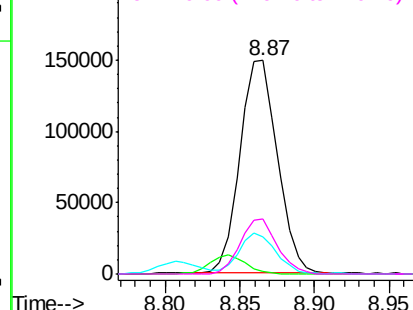
Abundance

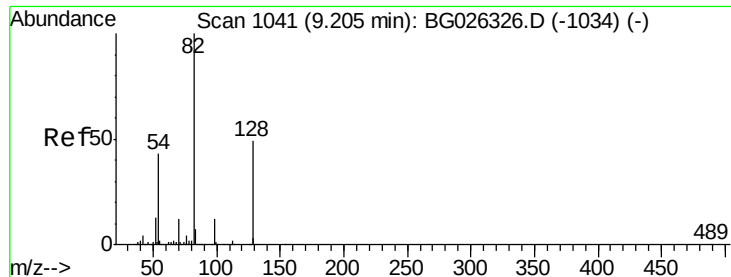
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E





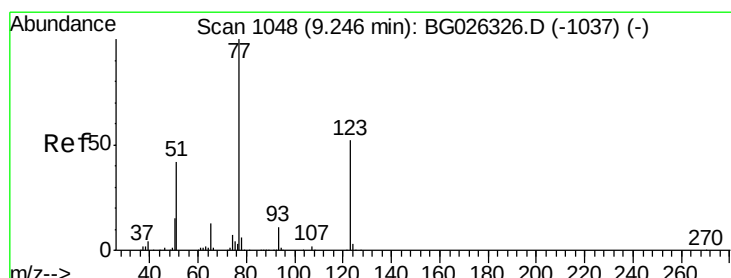
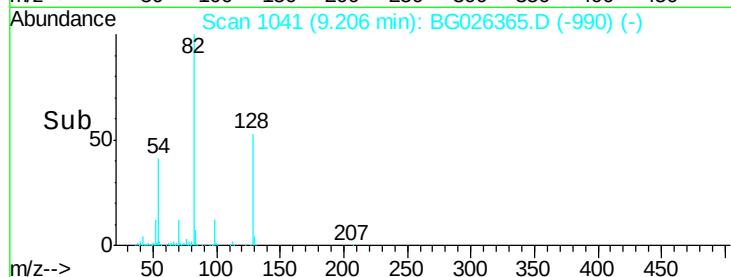
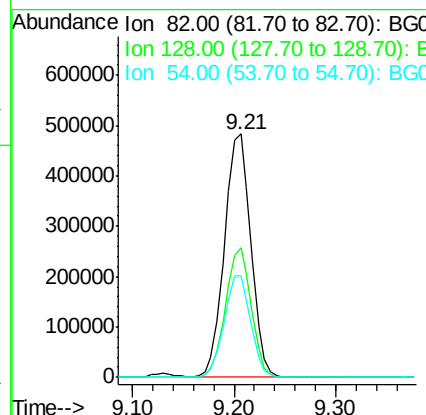
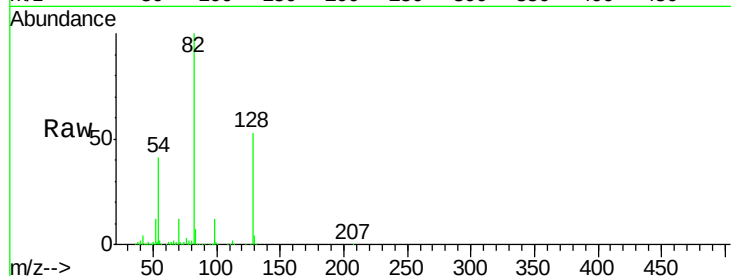
#23
 Nitrobenzene-d5
 Concen: 89.51 ng
 RT: 9.21 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BG026365.D
 Acq: 21 Mar 2017 19:23

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Lower	Upper
82	100		
128	53.1	26.4	39.6#
54	41.5	49.4	74.2#

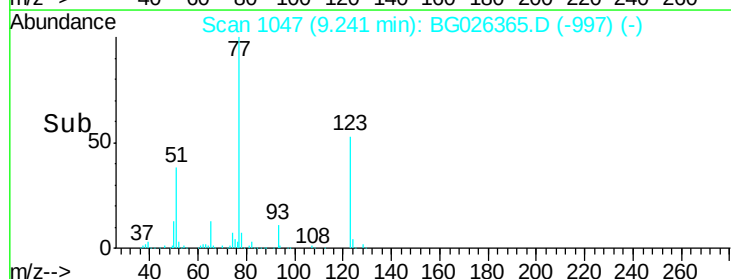
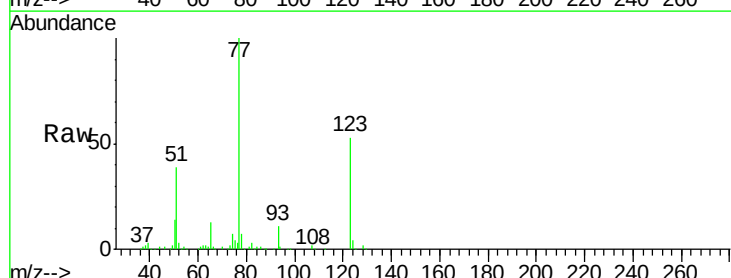
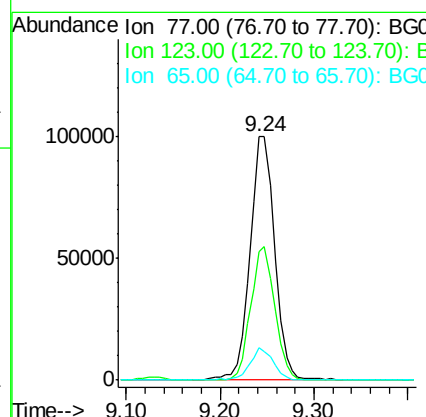
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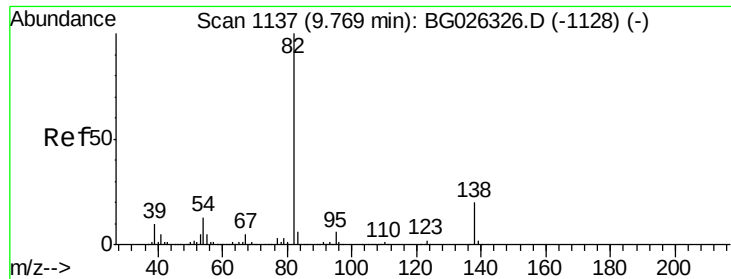
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#24
 Nitrobenzene
 Concen: 18.94 ng
 RT: 9.24 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: BG026365.D
 Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
77	100		
123	52.8	26.1	39.1#
65	13.3	12.4	18.6





#25

Isophorone

Concen: 19.05 ng

RT: 9.76 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Instrument :

BNA_G

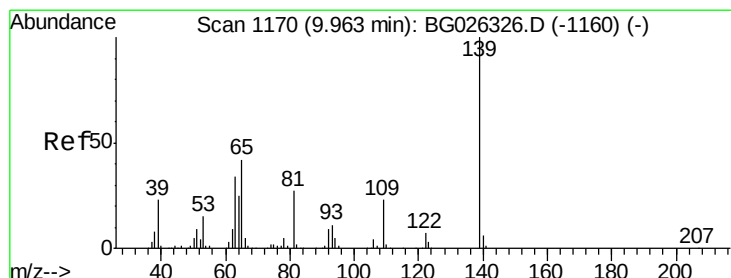
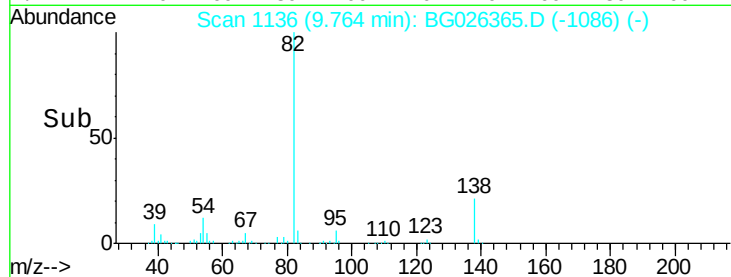
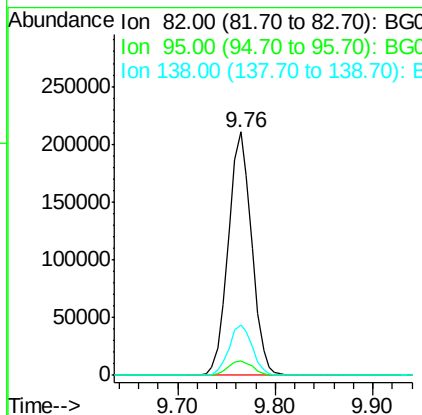
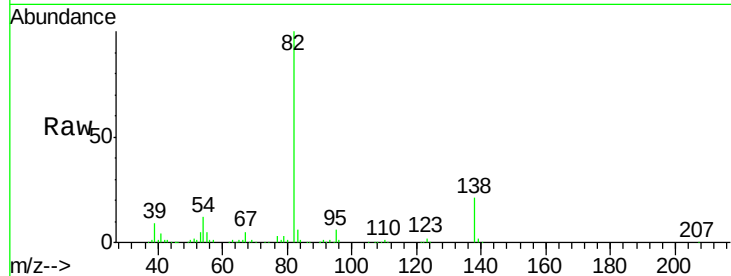
ClientSampleId :

LOQ-SOIL-02-QT2-2017

Tgt Ion:	82	Resp:	348844
Ion Ratio	Lower	Upper	
82	100		
95	5.9	7.5	11.3#
138	20.6	12.3	18.5#

Manual Integrations
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#26

2-Nitrophenol

Concen: 19.81 ng

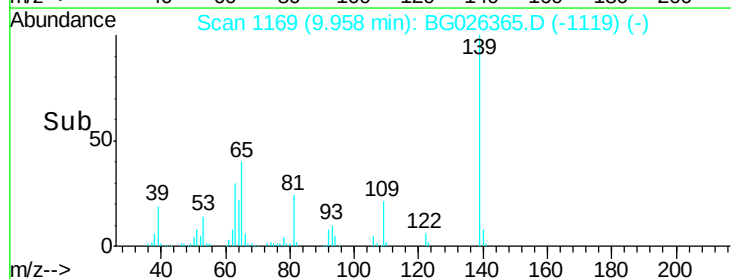
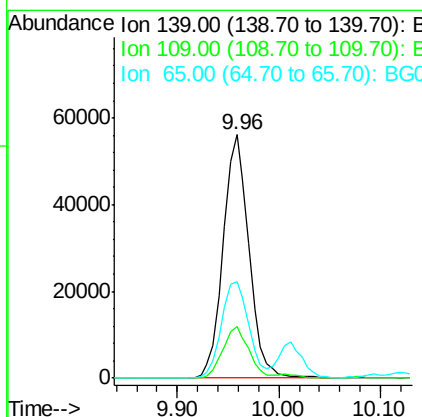
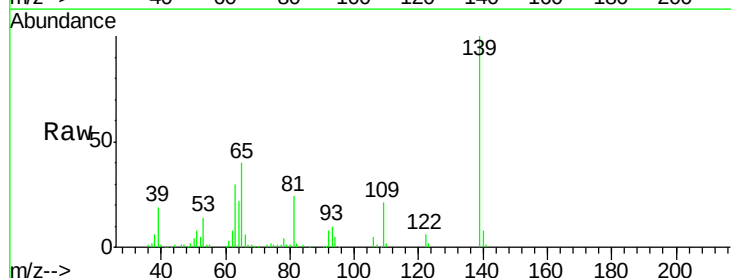
RT: 9.96 min Scan# 1169

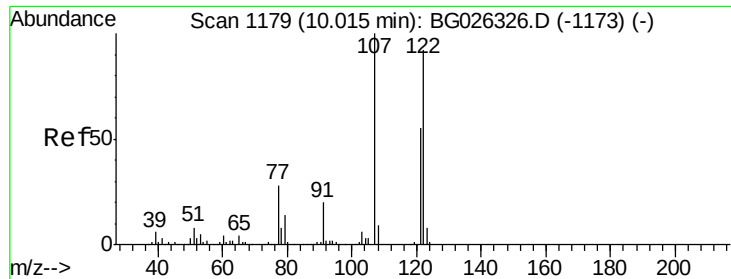
Delta R.T. -0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Tgt Ion:	139	Resp:	98852
Ion Ratio	Lower	Upper	
139	100		
109	21.1	38.6	58.0#
65	39.8	57.1	85.7#





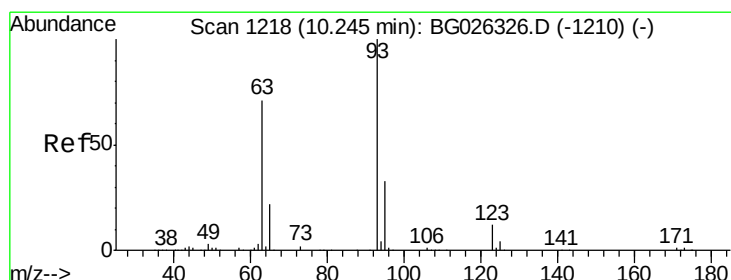
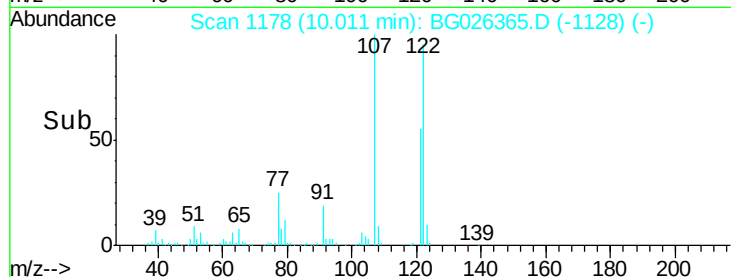
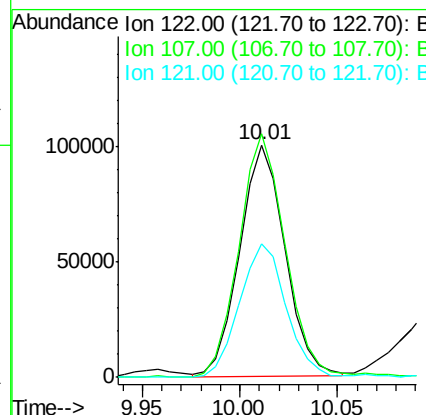
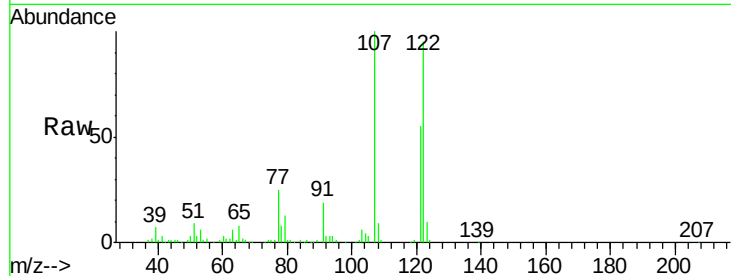
#27
2,4-Dimethylphenol
Concen: 19.55 ng
RT: 10.01 min Scan# 1178
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Lower	Upper
122	100		
107	104.8	104.2	156.4
121	57.6	46.0	69.0

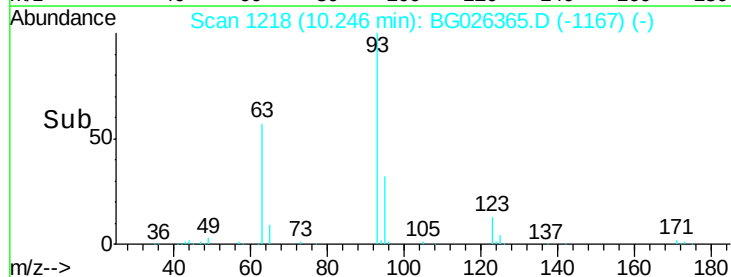
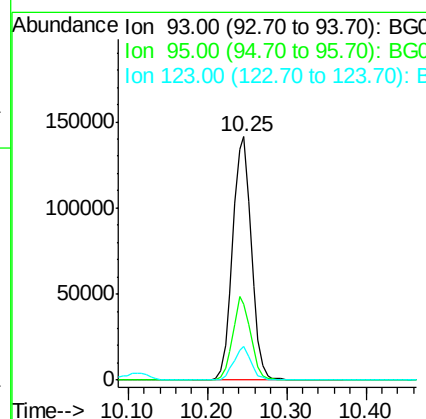
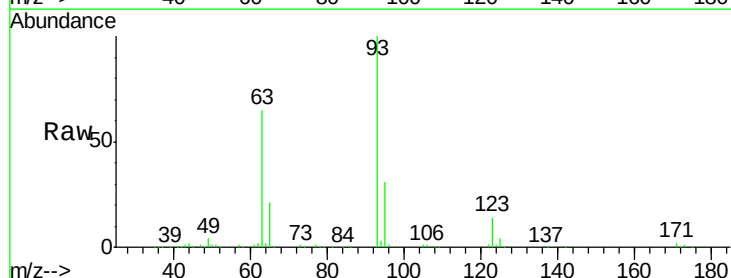
Manual Integrations
APPROVED

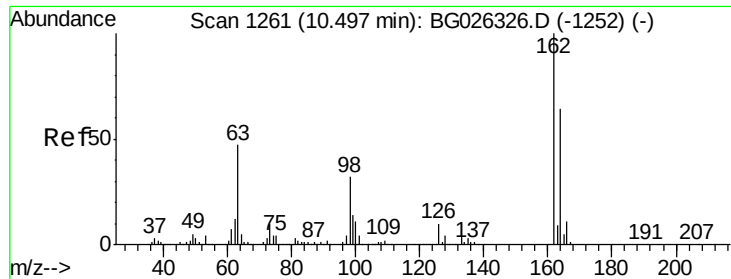
mohammad
3/23/2017 3:31:54 PM



#28
bis(2-Chloroethoxy)methane
Concen: 19.42 ng
RT: 10.25 min Scan# 1218
Delta R.T. 0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.4	25.7	38.5
123	13.8	8.3	12.5





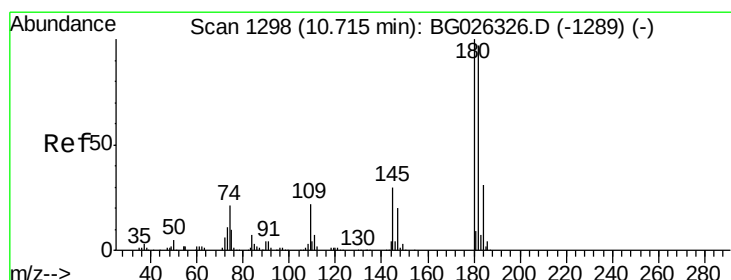
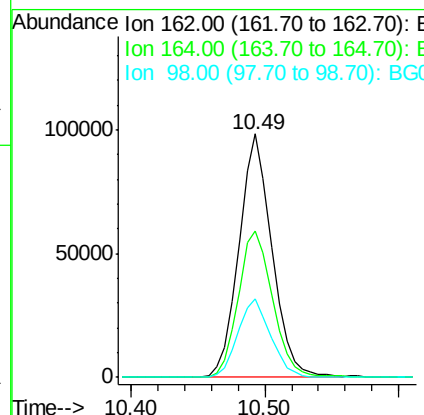
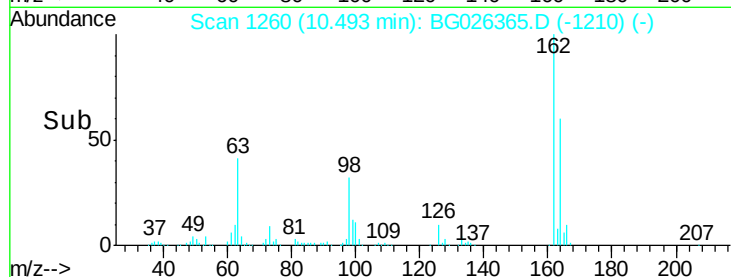
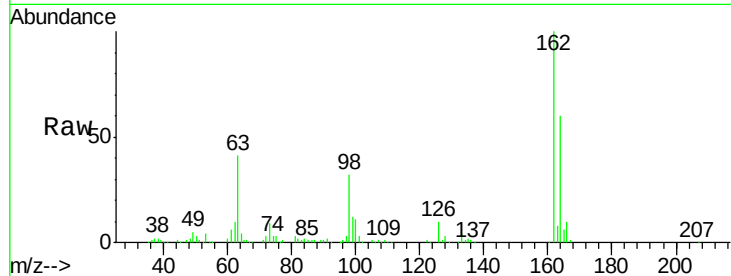
#29
2,4-Dichlorophenol
Concen: 20.29 ng
RT: 10.49 min Scan# 1260
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	60.2	42.4	82.4
98	32.1	20.3	60.3

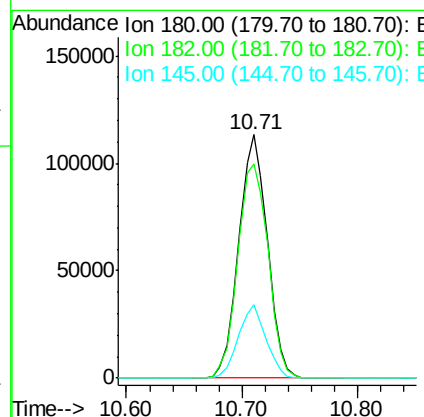
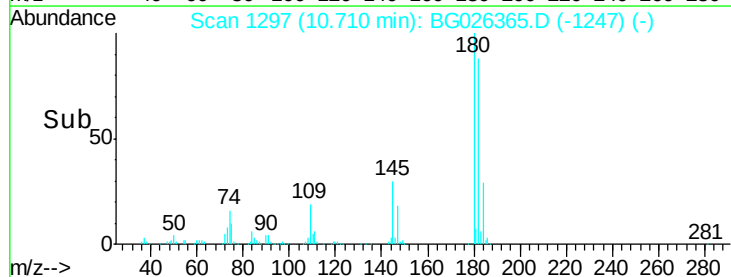
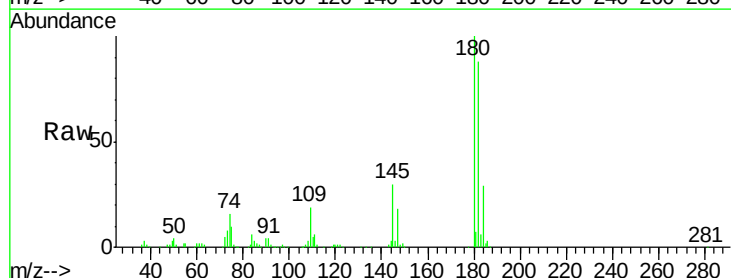
Manual Integrations
APPROVED

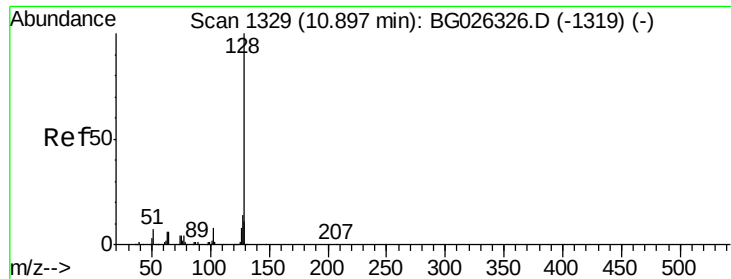
mohammad
3/23/2017 3:31:54 PM



#30
1,2,4-Trichlorobenzene
Concen: 20.83 ng
RT: 10.71 min Scan# 1297
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	88.1	77.0	115.4
145	30.1	23.4	35.0





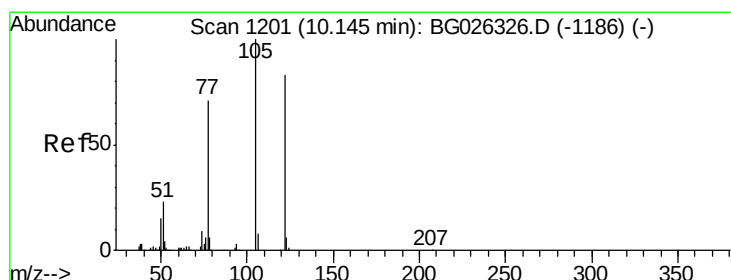
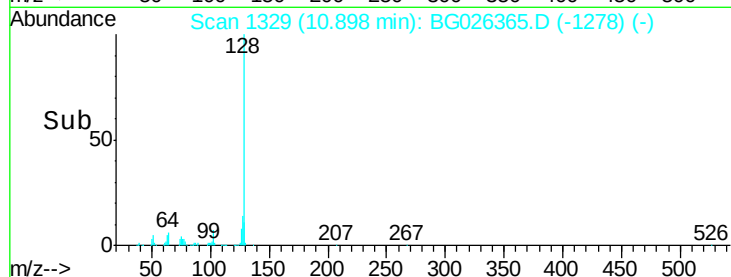
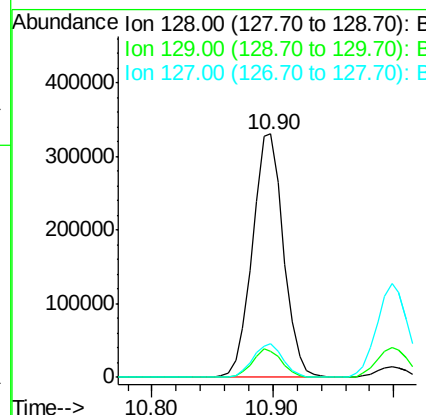
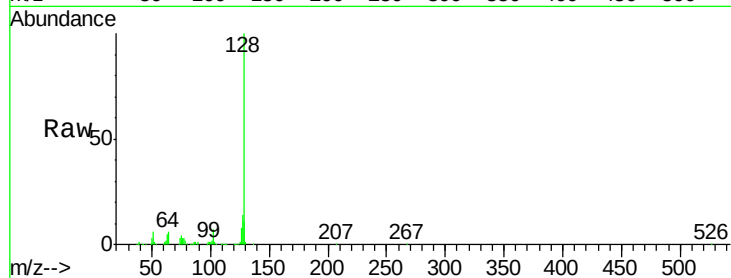
#31
Naphthalene
Concen: 20.03 ng
RT: 10.90 min Scan# 1329
Delta R.T. 0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.3	13.9
127	13.9	11.4	17.0

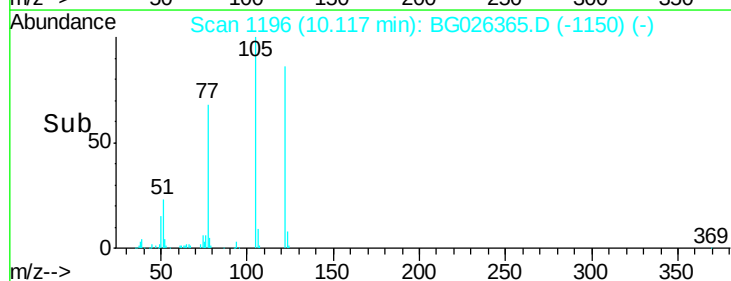
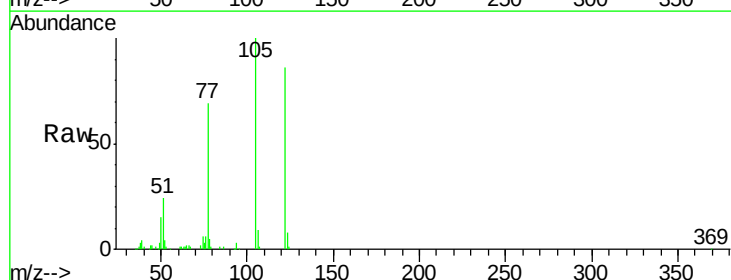
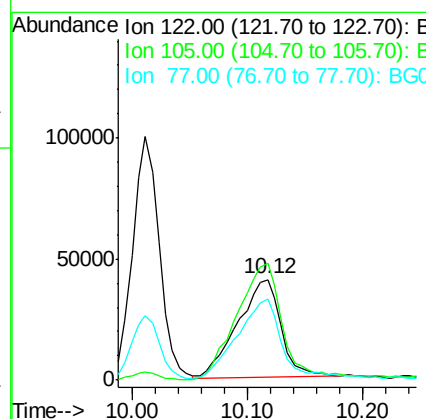
Manual Integrations
APPROVED

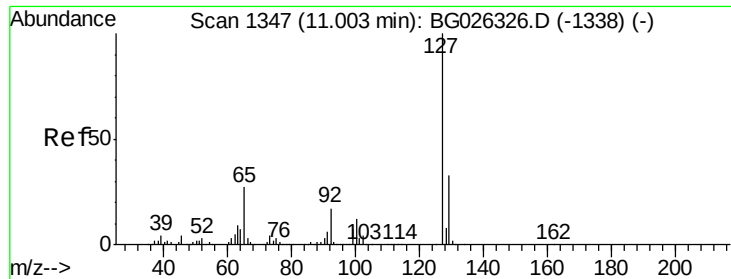
mohammad
3/23/2017 3:31:54 PM



#32
Benzoic acid
Concen: 16.83 ng
RT: 10.12 min Scan# 1196
Delta R.T. -0.03 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

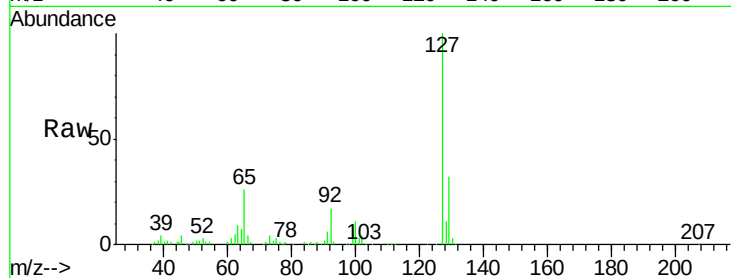
Tgt Ion	Ratio	Lower	Upper
122	100		
105	116.5	120.1	160.1#
77	80.0	104.6	144.6#





#33
4-Chloroaniline
Concen: 19.48 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

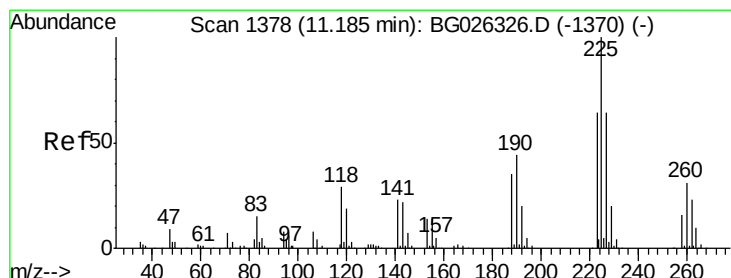
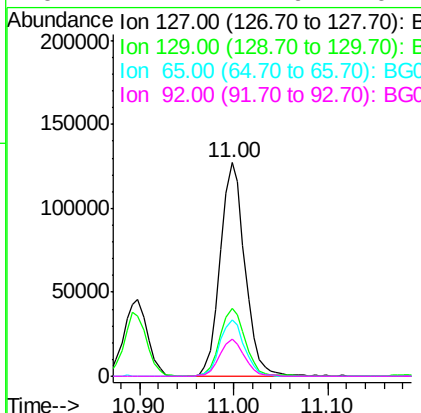
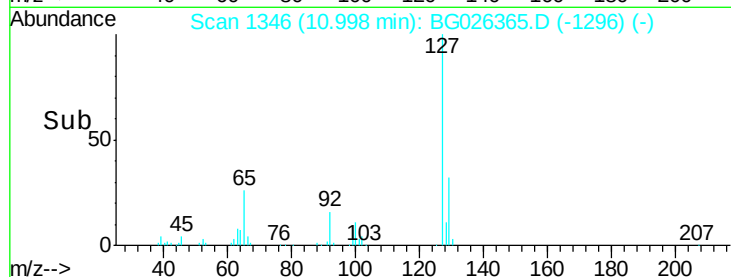
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2017



Tgt Ion	Ratio	Resp Lower	Resp Upper
127	100		
129	31.5	23.6	35.4
65	26.1	37.7	56.5
92	17.2	17.6	26.4

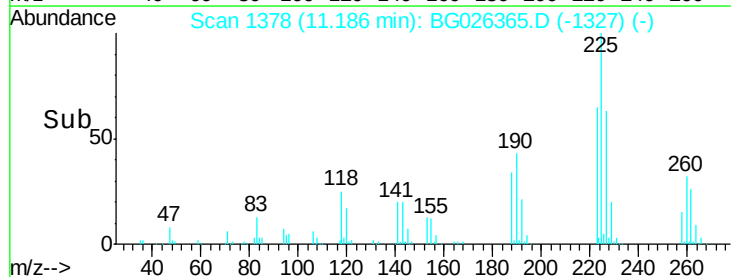
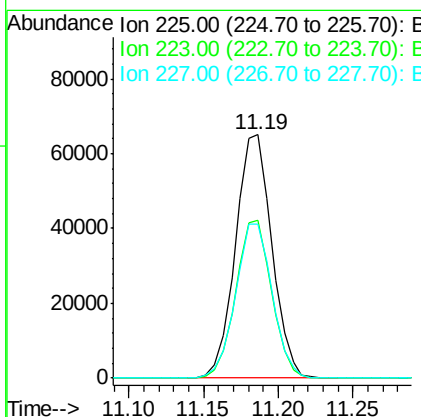
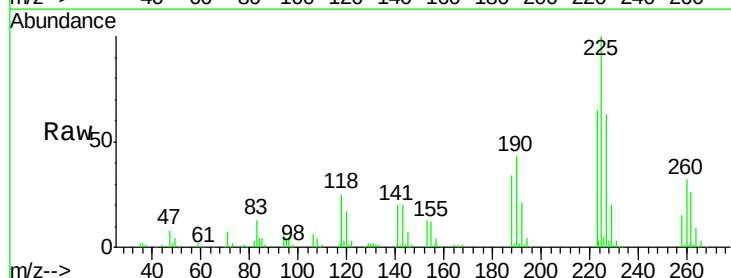
Manual Integrations
APPROVED

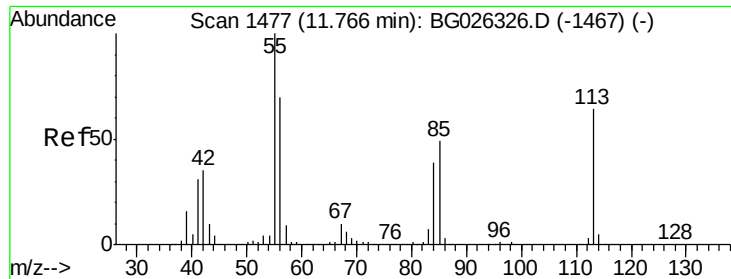
mohammad
3/23/2017 3:31:54 PM



#34
Hexachlorobutadiene
Concen: 20.02 ng
RT: 11.19 min Scan# 1378
Delta R.T. 0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	64.9	50.7	76.1
227	63.1	49.0	73.6





#35

Caprolactam

Concen: 18.57 ng

RT: 11.75 min Scan# 1474

Delta R.T. -0.02 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2017

Tgt Ion:113 Resp: 60626

Ion Ratio Lower Upper

113 100

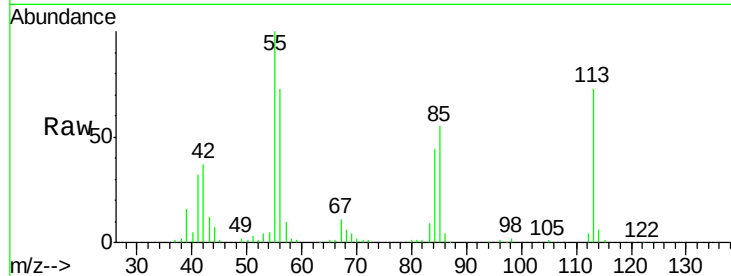
55 136.1 198.6 238.6#

56 99.8 140.4 180.4#

Manual Integrations
APPROVED

mohammad

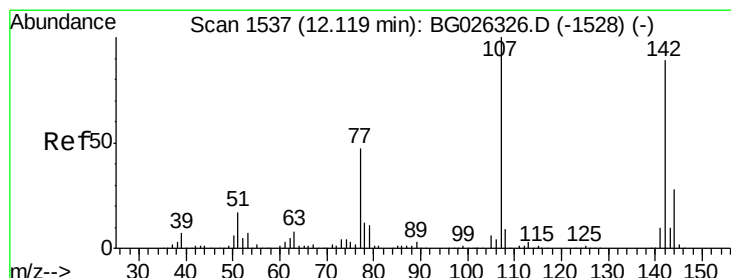
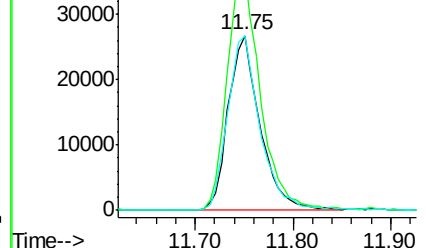
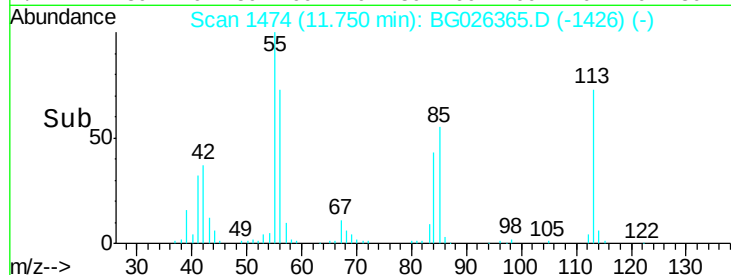
3/23/2017 3:31:54 PM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 19.18 ng

RT: 12.11 min Scan# 1536

Delta R.T. -0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

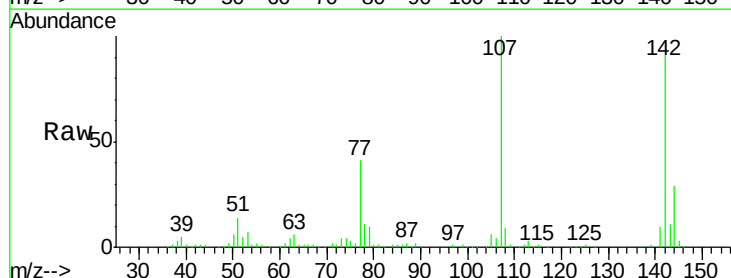
Tgt Ion:107 Resp: 170000

Ion Ratio Lower Upper

107 100

144 29.4 17.4 26.0#

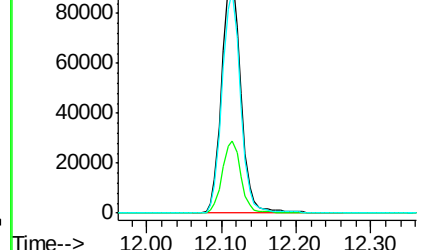
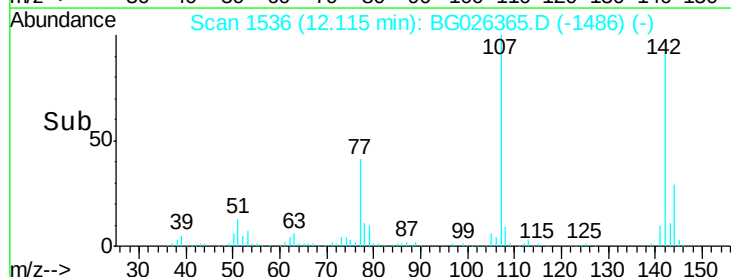
142 91.0 54.1 81.1#

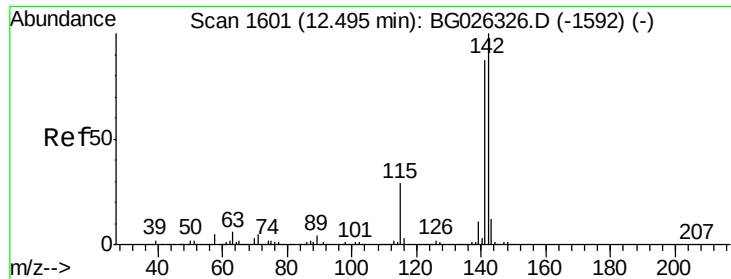


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





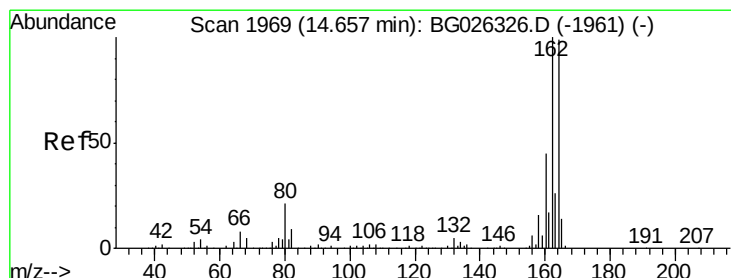
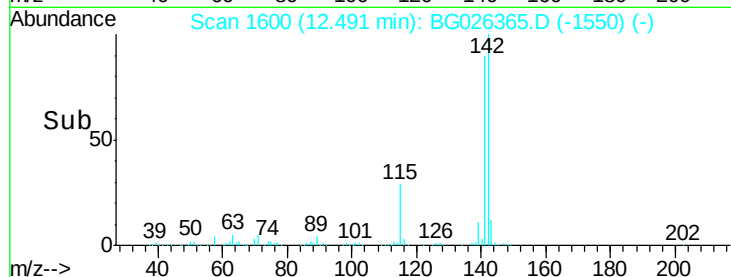
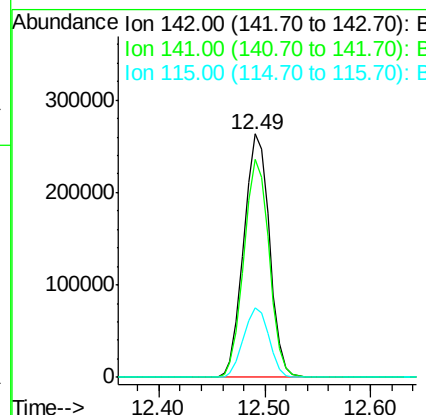
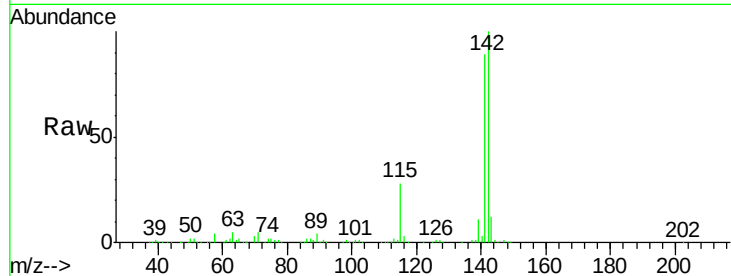
#37
2-Methylnaphthalene
Concen: 20.44 ng
RT: 12.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.4	105.6
115	28.5	35.5	53.3

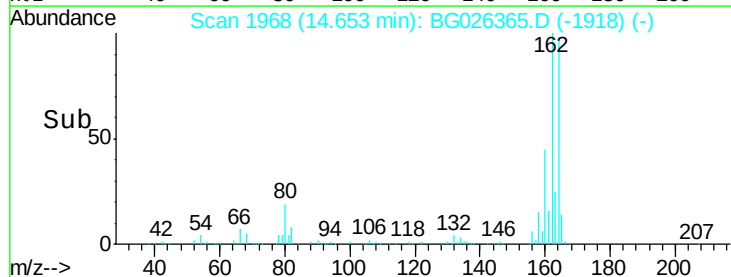
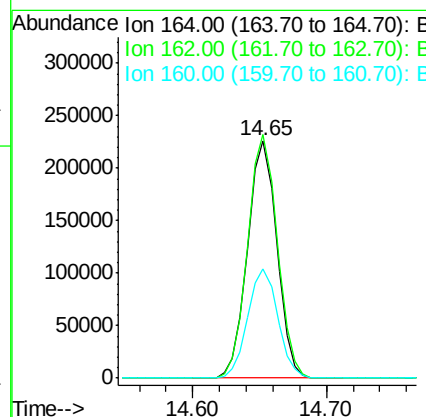
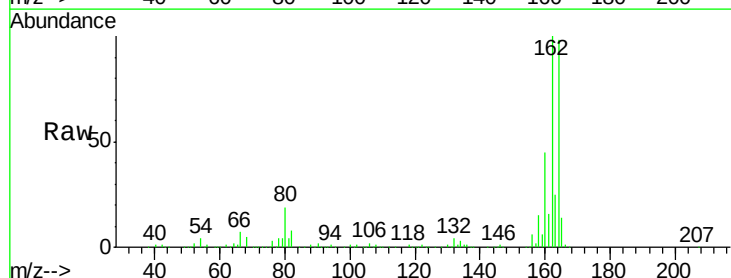
Manual Integrations
APPROVED

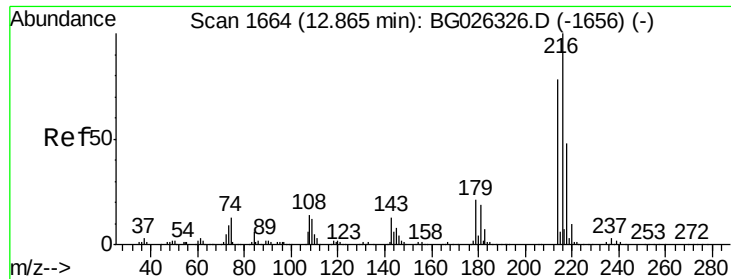
mohammad
3/23/2017 3:31:54 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	85.1	127.7
160	45.8	34.7	52.1





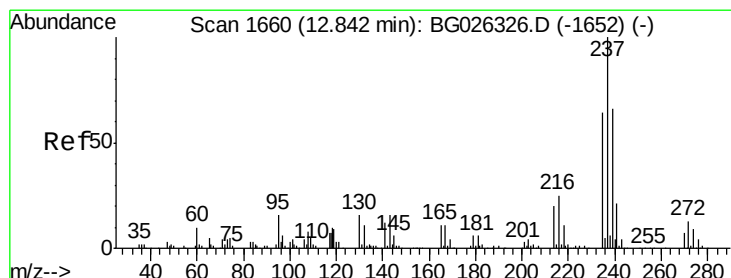
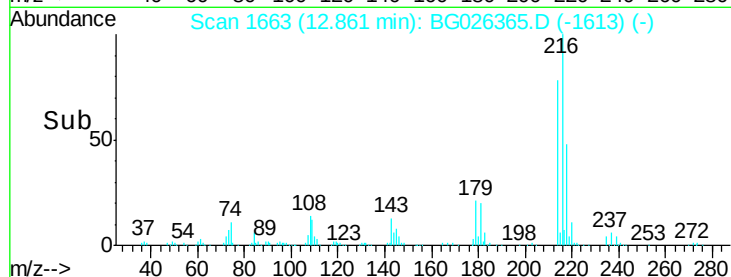
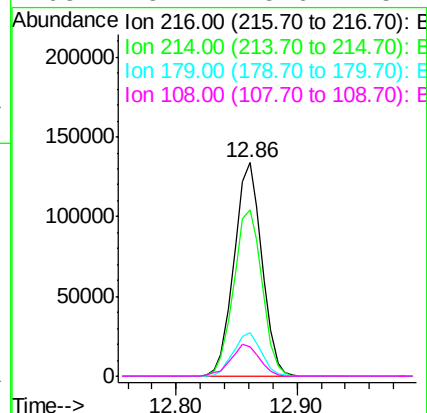
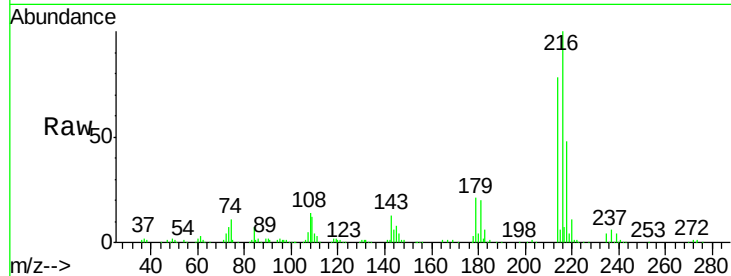
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 20.85 ng
 RT: 12.86 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: BG026365.D
 Acq: 21 Mar 2017 19:23

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.9	64.4	96.6
179	20.5	17.4	26.0
108	15.4	15.6	23.4

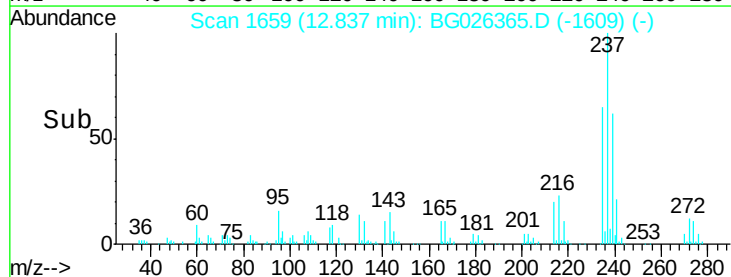
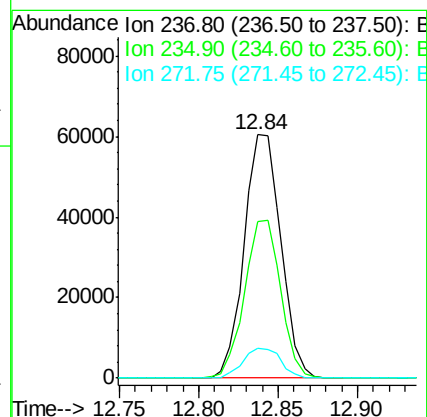
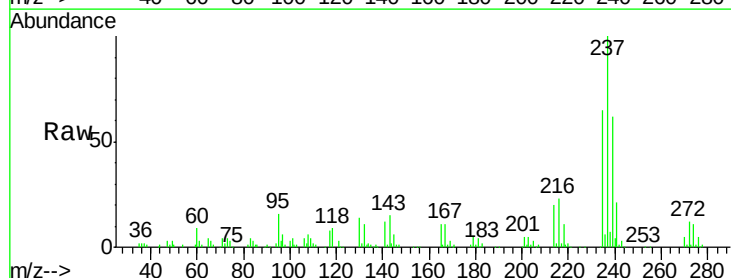
Manual Integrations
 APPROVED

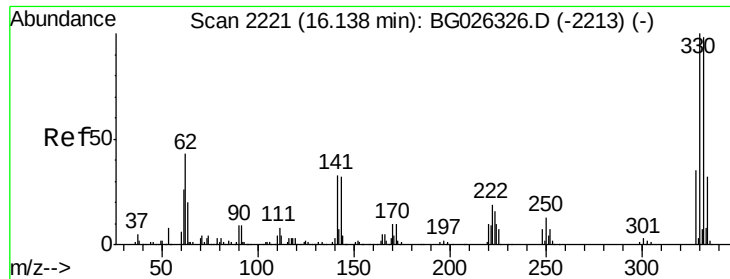
mohammad
 3/23/2017 3:31:54 PM



#40
 Hexachlorocyclopentadiene
 Concen: 17.96 ng
 RT: 12.84 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: BG026365.D
 Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
237	100		
235	64.5	39.4	79.4
272	12.4	0.0	32.0





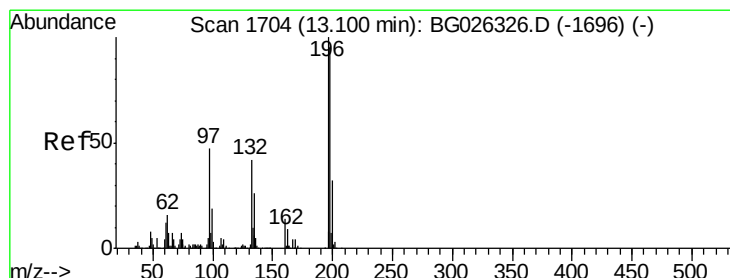
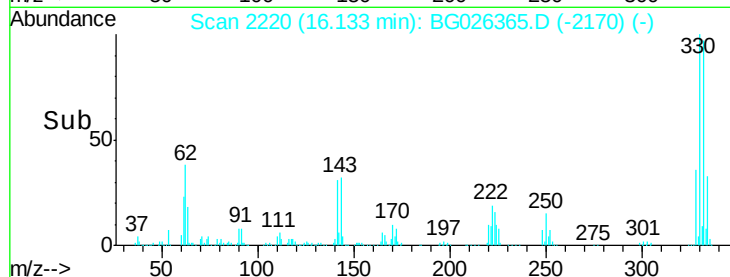
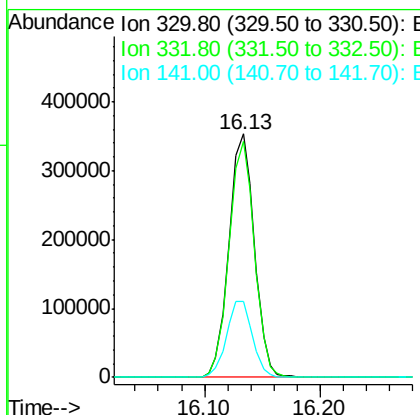
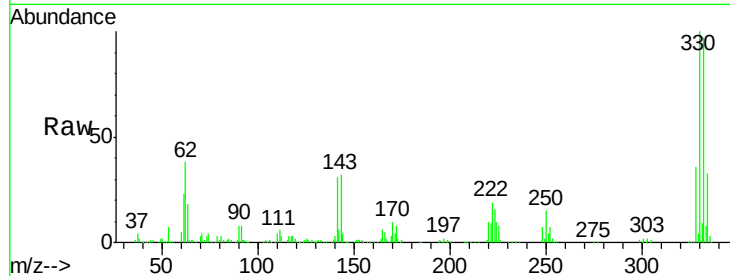
#41
 2,4,6-Tribromophenol
 Concen: 137.56 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.00 min
 Lab File: BG026365.D
 Acq: 21 Mar 2017 19:23

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	537678		
332	97.0	77.3	115.9	
141	31.9	32.1	48.1#	

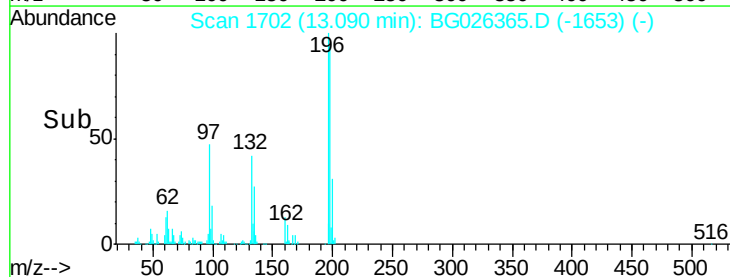
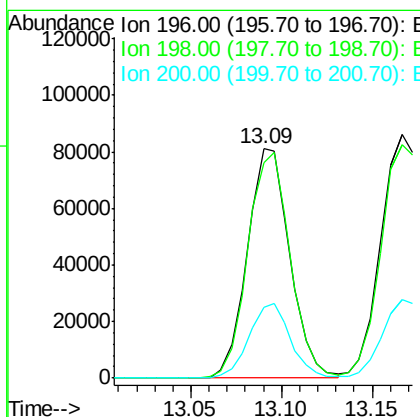
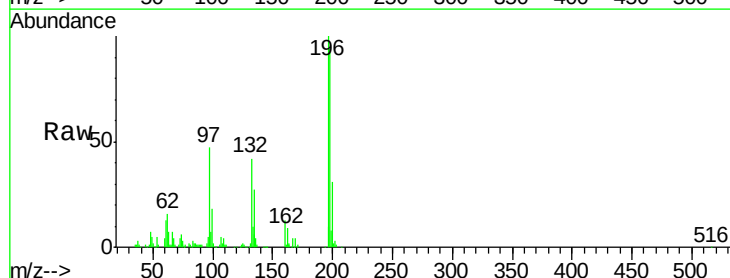
Manual Integrations
 APPROVED

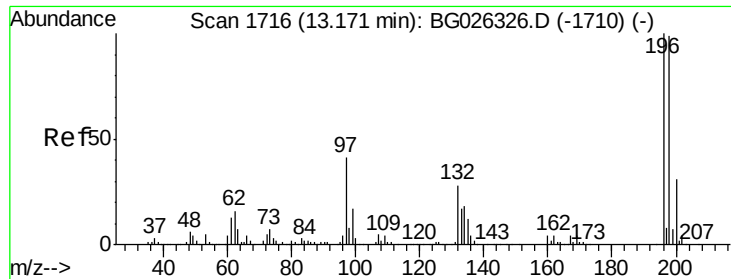
mohammad
 3/23/2017 3:31:54 PM



#42
 2,4,6-Trichlorophenol
 Concen: 19.75 ng
 RT: 13.09 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG026365.D
 Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	132777		
198	94.1	81.4	122.2	
200	31.1	27.0	40.6	





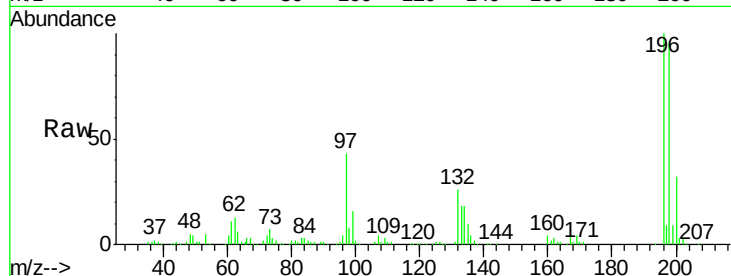
#43
2,4,5-Trichlorophenol
Concen: 20.37 ng
RT: 13.17 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2017

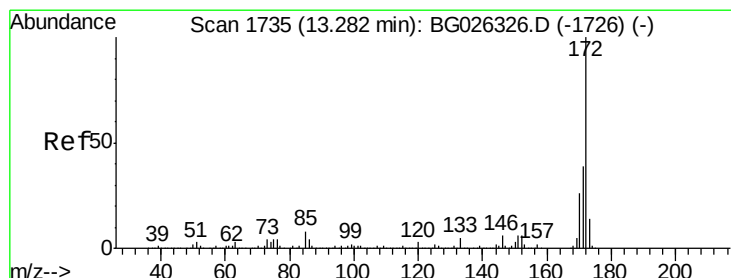
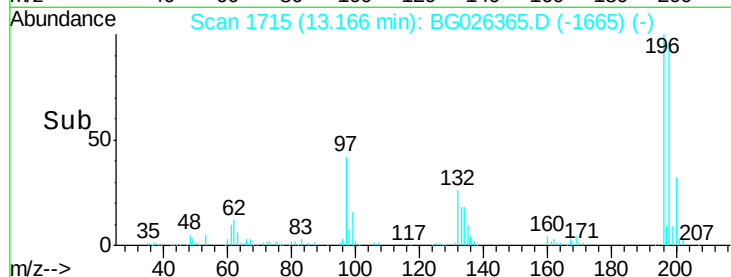
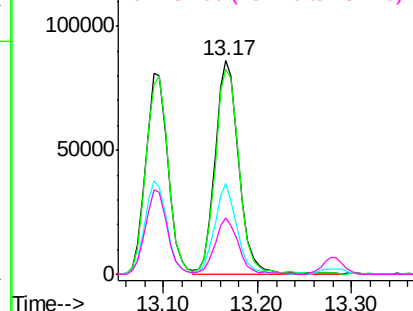
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	151411		
198	96.1	79.9	119.9	
97	42.5	45.4	68.0	
132	26.4	20.7	31.1	

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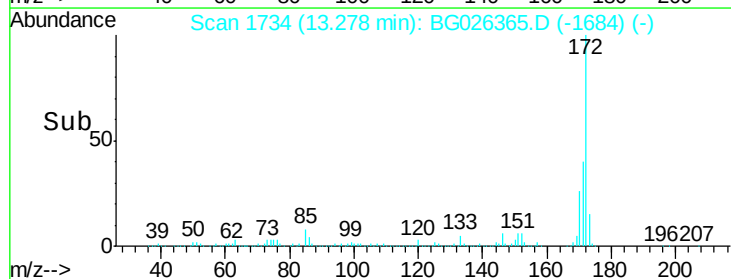
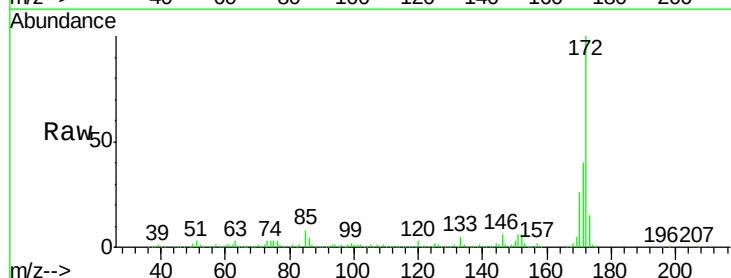
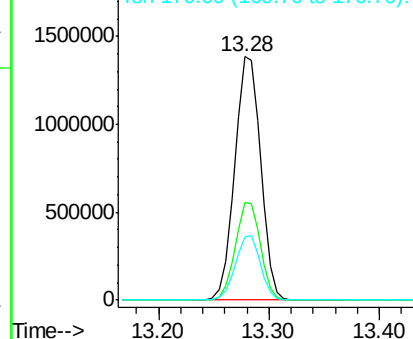
Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BG
Ion 132.00 (131.70 to 132.70): E

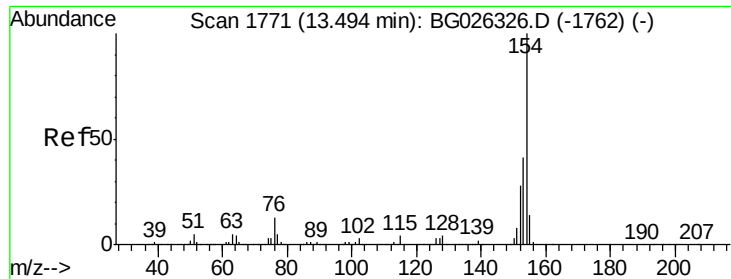


#44
2-Fluorobiphenyl
Concen: 93.92 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2285729		
171	40.2	32.2	48.2	
170	26.0	21.8	32.6	

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





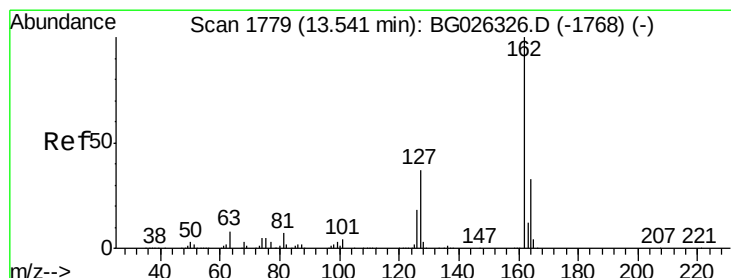
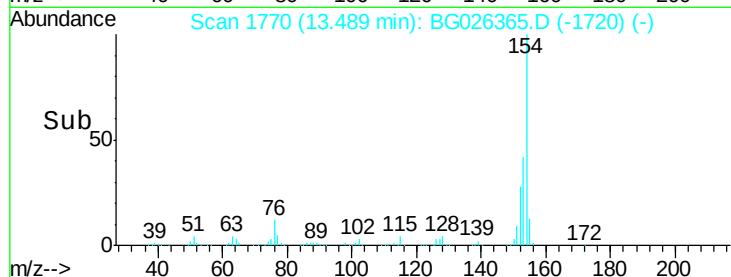
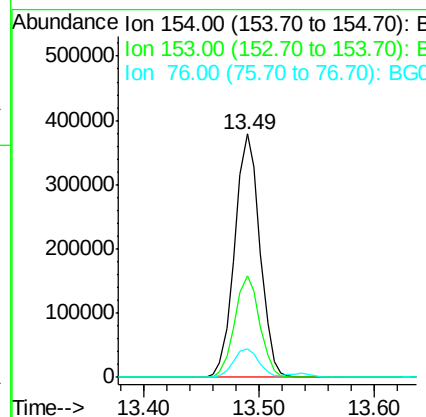
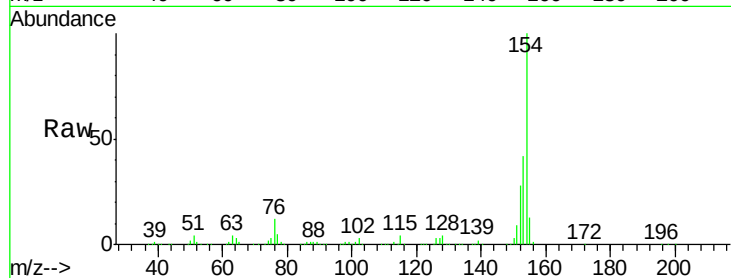
#45
 1,1'-Biphenyl
 Concen: 20.20 ng
 RT: 13.49 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: BG026365.D
 Acq: 21 Mar 2017 19:23

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	571050		
153	41.9	23.0	63.0	
76	11.6	0.0	33.5	

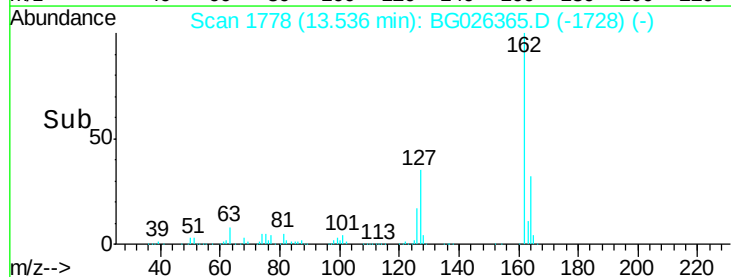
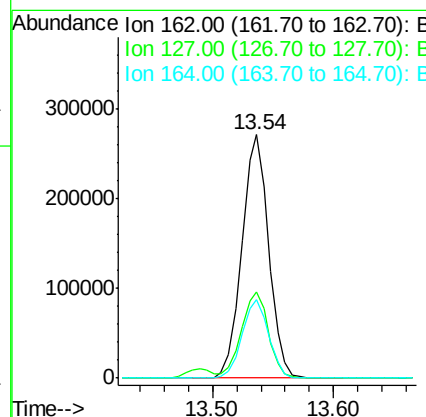
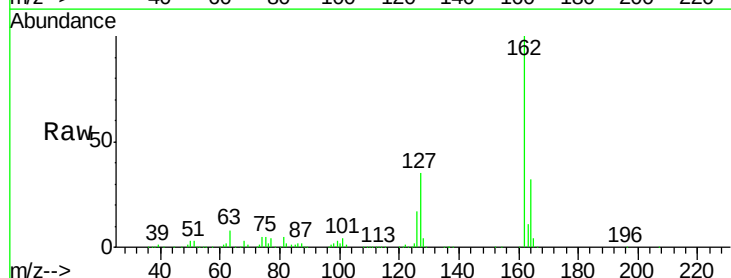
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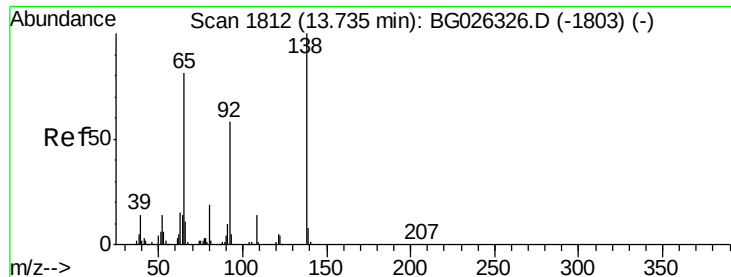
mohammad
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#46
 2-Chloronaphthalene
 Concen: 20.23 ng
 RT: 13.54 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: BG026365.D
 Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	417714		
127	35.3	32.2	48.4	
164	32.5	27.3	40.9	





#47

2-Nitroaniline

Concen: 17.49 ng

RT: 13.73 min Scan# 1811

Delta R.T. -0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2017

Tgt Ion: 65 Resp: 102707
Ion Ratio Lower Upper

65 100

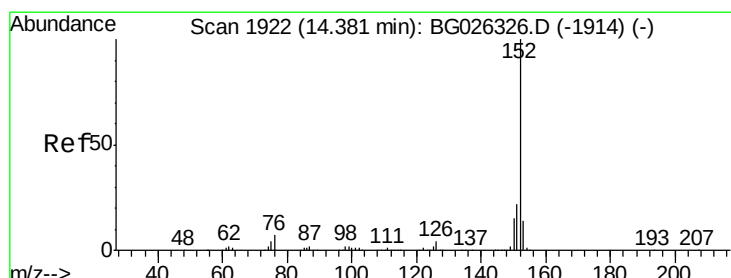
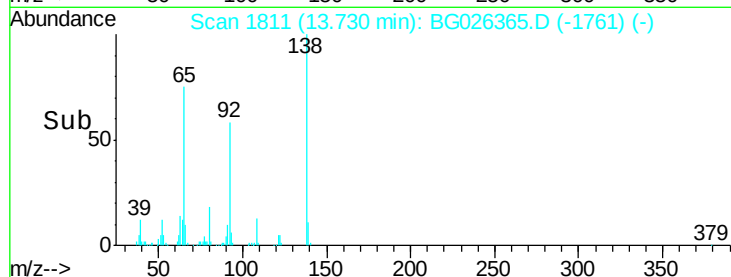
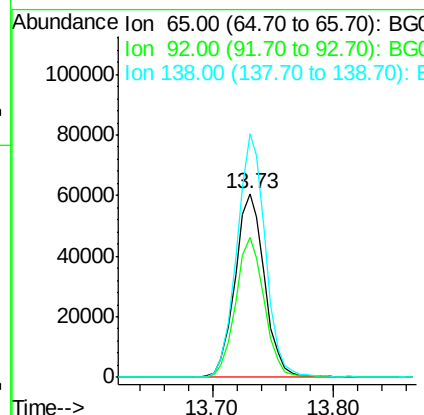
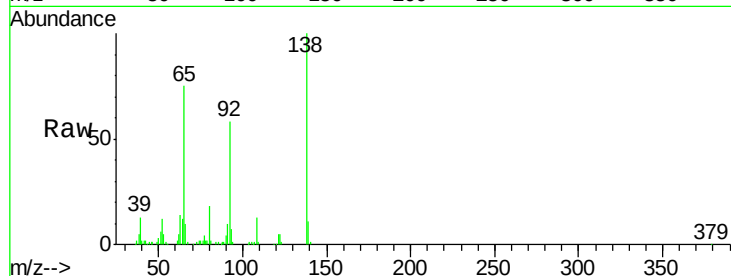
92 76.3 49.0 73.4#

138 132.5 58.6 87.8#

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#48

Acenaphthylene

Concen: 20.23 ng

RT: 14.38 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BG026365.D

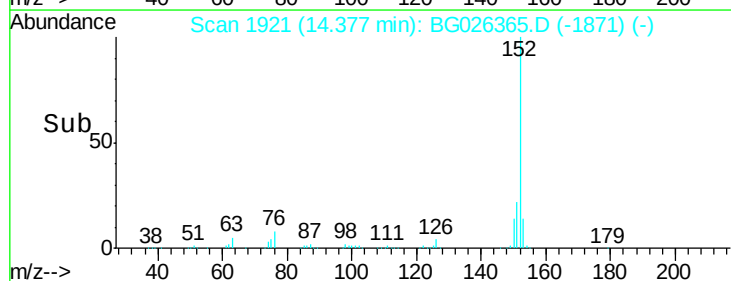
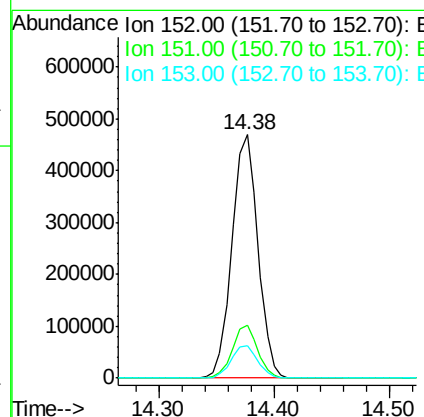
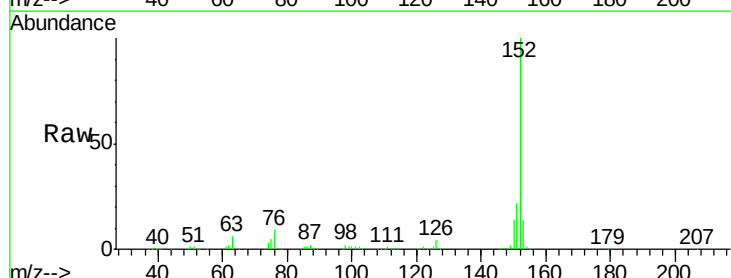
Acq: 21 Mar 2017 19:23

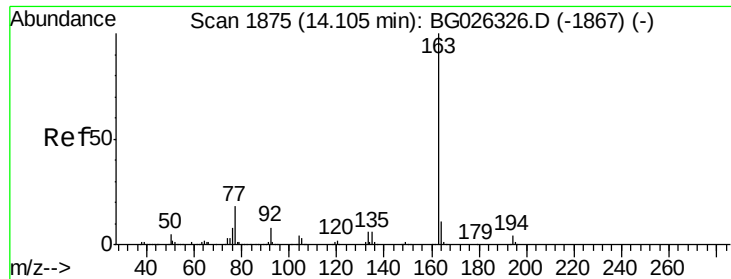
Tgt Ion: 152 Resp: 727912
Ion Ratio Lower Upper

152 100

151 21.8 18.2 27.2

153 13.6 11.3 16.9





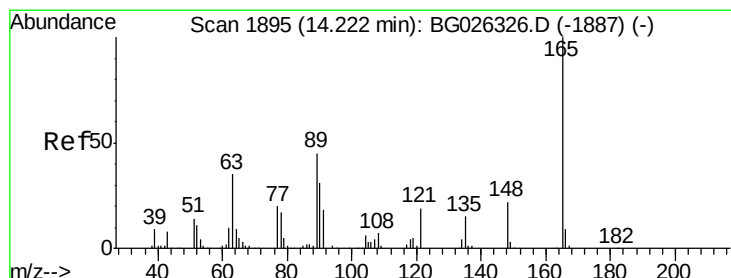
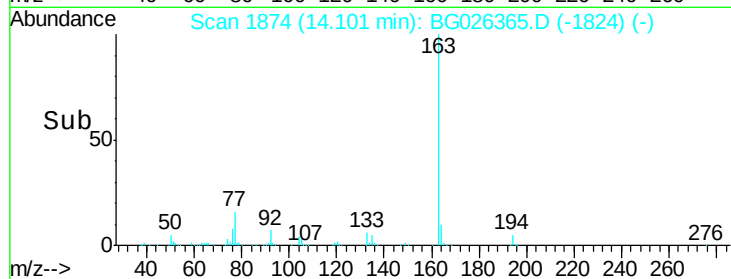
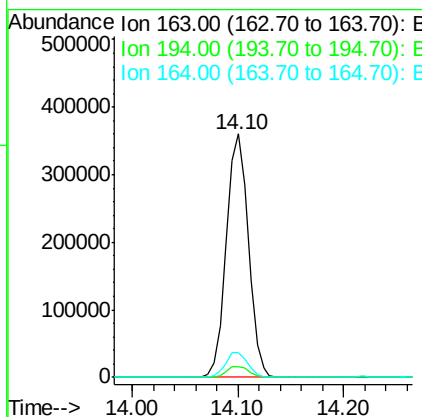
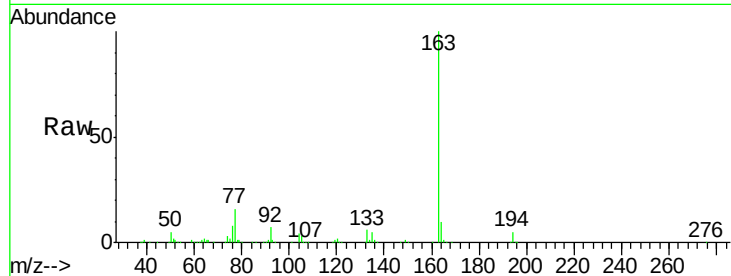
#49
Dimethylphthalate
Concen: 20.11 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	517954		
194	4.5	3.8	5.6	
164	10.2	9.3	13.9	

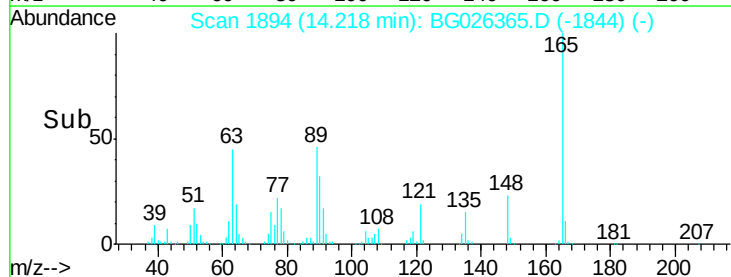
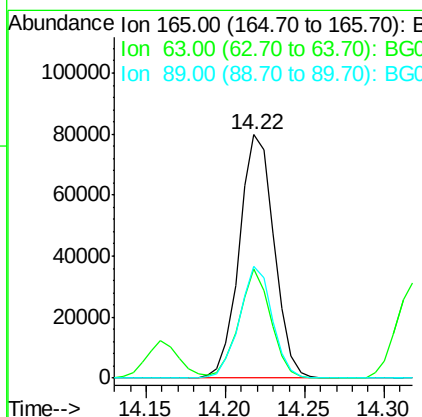
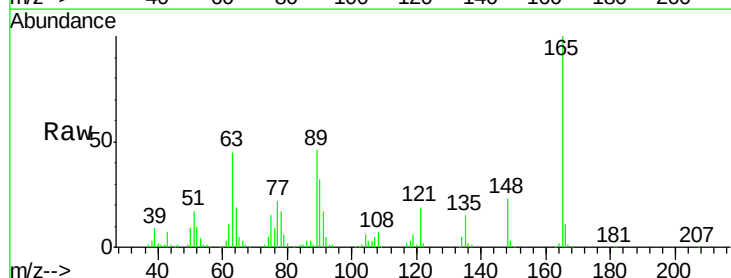
Manual Integrations
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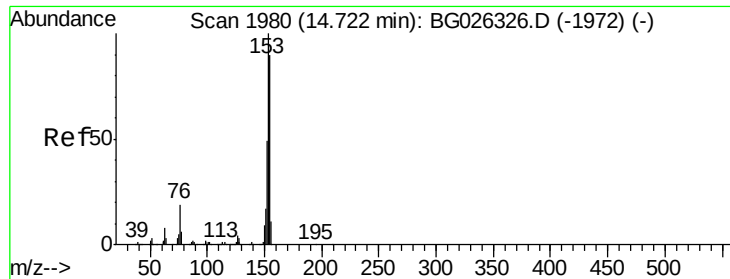
mohammad
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#50
2,6-Dinitrotoluene
Concen: 20.13 ng
RT: 14.22 min Scan# 1894
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	121059		
63	44.6	63.9	95.9#	
89	46.0	58.6	88.0#	





#51

Acenaphthene

Concen: 19.97 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Instrument :

BNA_G

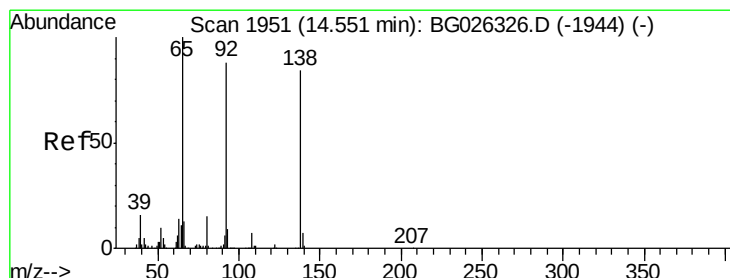
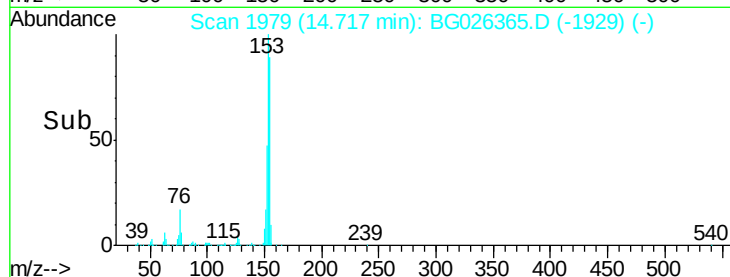
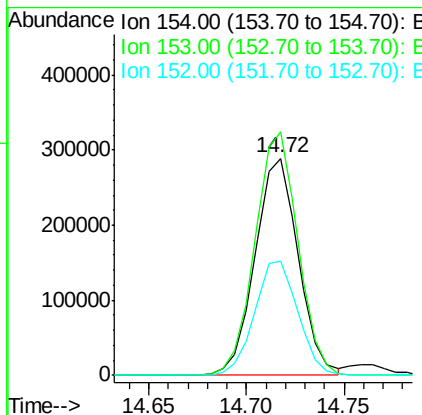
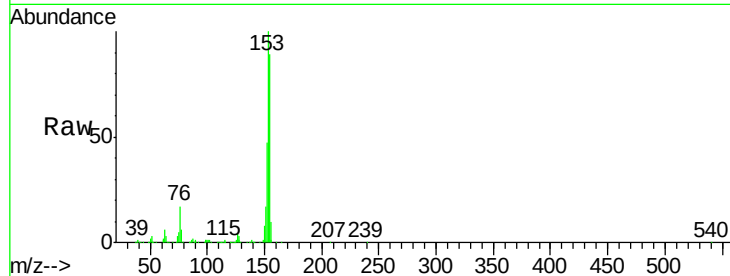
ClientSampleId :

LOQ-SOIL-02-QT2-2017

Tgt Ion:	154	Resp:	442616
Ion Ratio	Lower	Upper	
154	100		
153	112.2	87.8	131.6
152	52.4	42.2	63.4

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#52

3-Nitroaniline

Concen: 19.26 ng

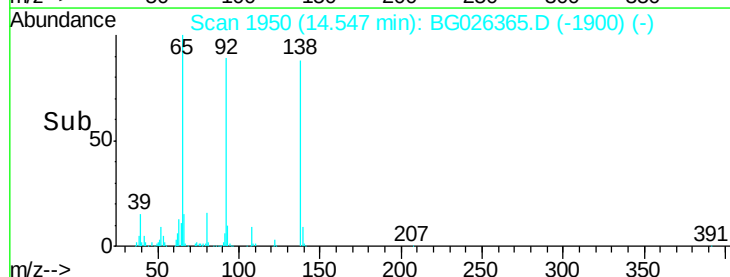
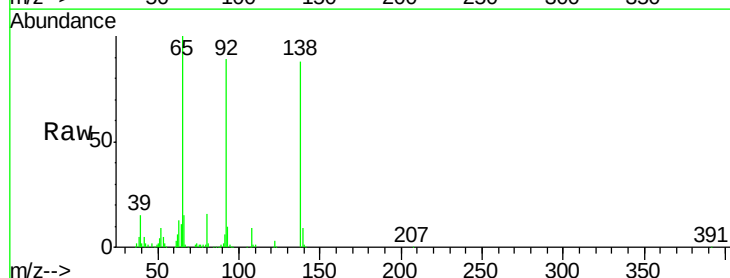
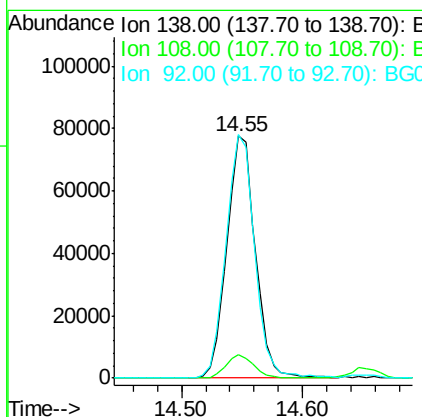
RT: 14.55 min Scan# 1950

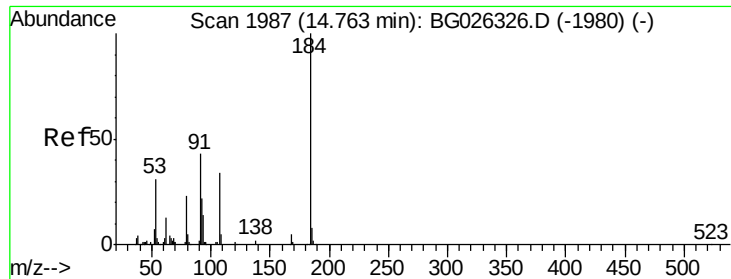
Delta R.T. -0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Tgt Ion:	138	Resp:	127492
Ion Ratio	Lower	Upper	
138	100		
108	9.7	10.9	16.3#
92	100.6	115.3	172.9#





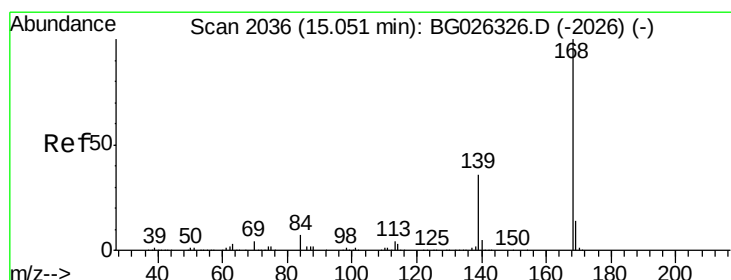
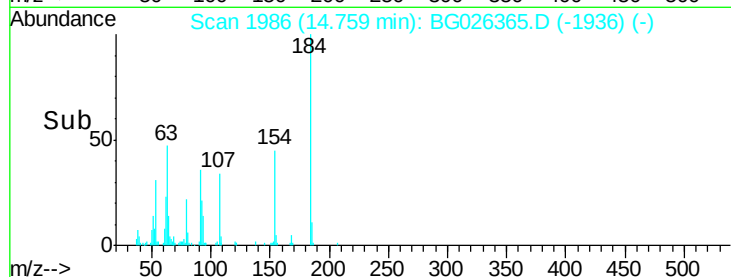
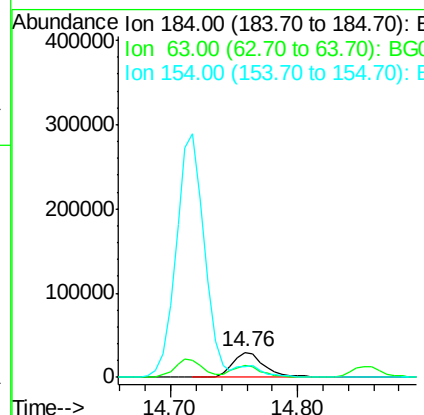
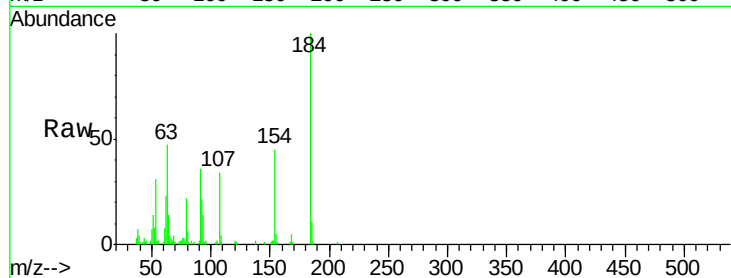
#53
2,4-Dinitrophenol
Concen: 14.74 ng
RT: 14.76 min Scan# 1986
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Lower	Upper
184	100		
63	46.7	52.7	79.1#
154	45.1	57.3	85.9#

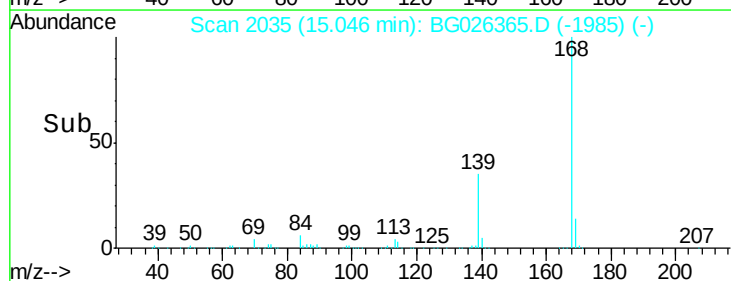
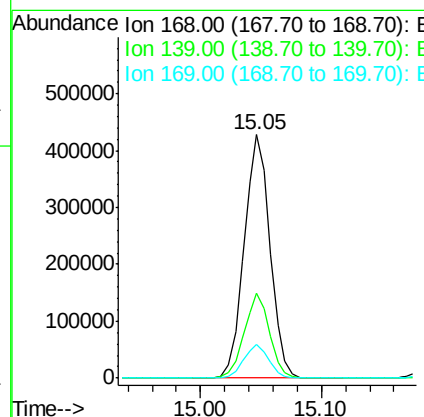
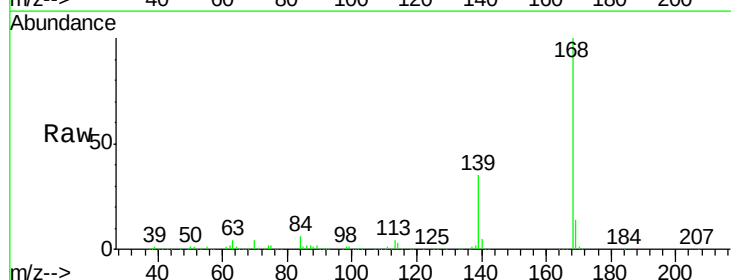
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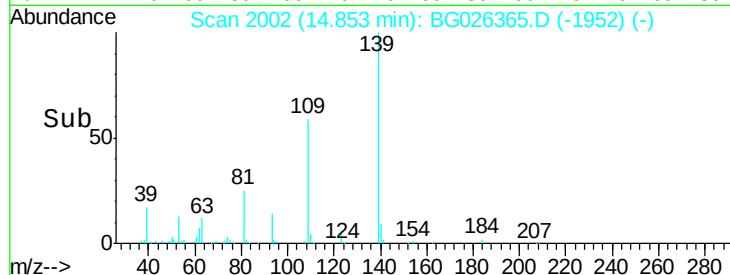
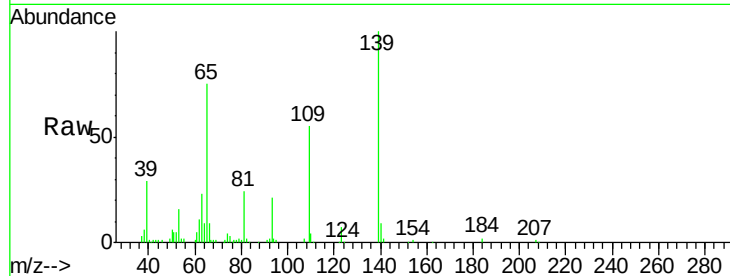
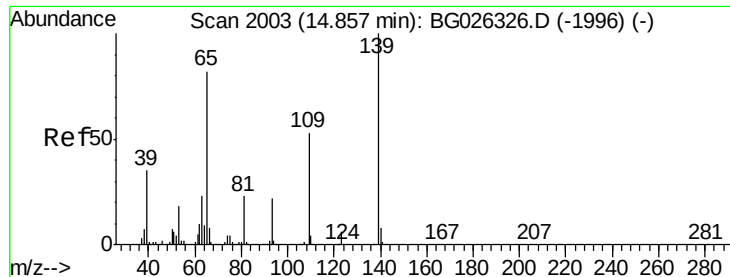
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#54
Dibenzofuran
Concen: 20.40 ng
RT: 15.05 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.9	35.3	52.9#
169	13.9	11.5	17.3





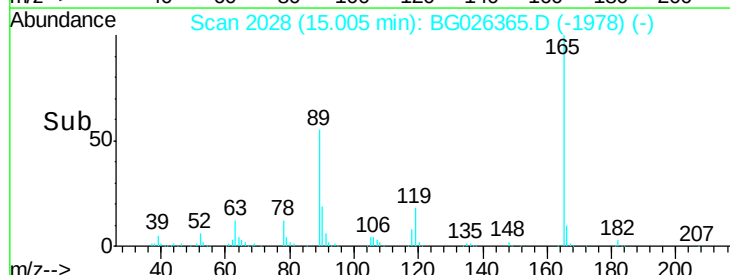
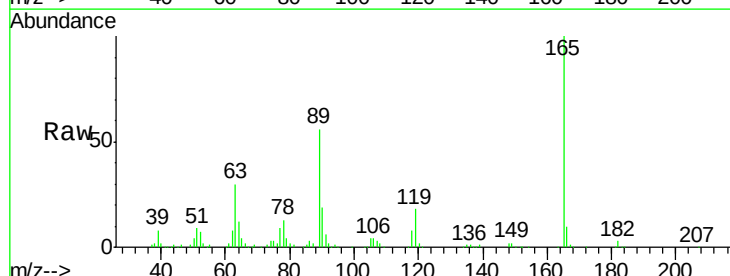
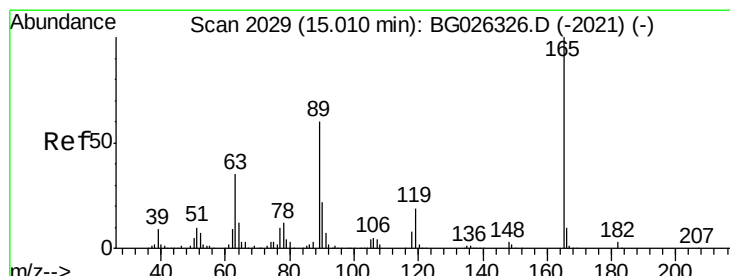
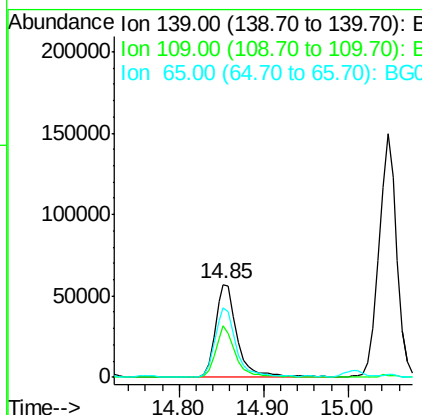
#55
4-Nitrophenol
Concen: 19.25 ng
RT: 14.85 min Scan# 2002
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	104370		
109	55.0	101.2	141.2#	
65	74.8	135.3	175.3#	

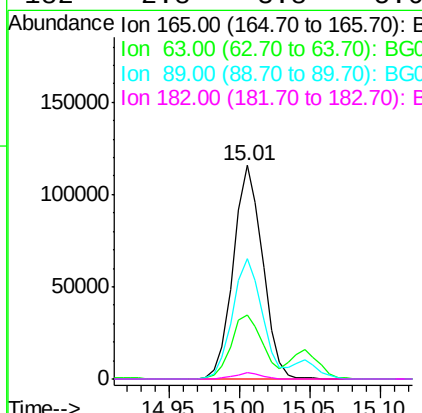
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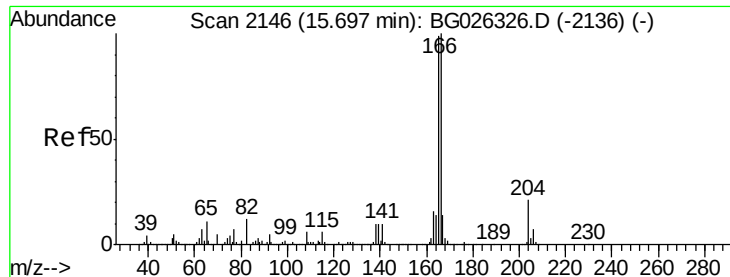
mohammad
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#56
2,4-Dinitrotoluene
Concen: 19.80 ng
RT: 15.01 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	167464		
63	30.1	44.0	66.0#	
89	56.1	67.3	100.9#	
182	2.8	3.8	5.6#	





#57

Fluorene

Concen: 20.60 ng

RT: 15.69 min Scan# 2145

Delta R.T. -0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Instrument :

BNA_G

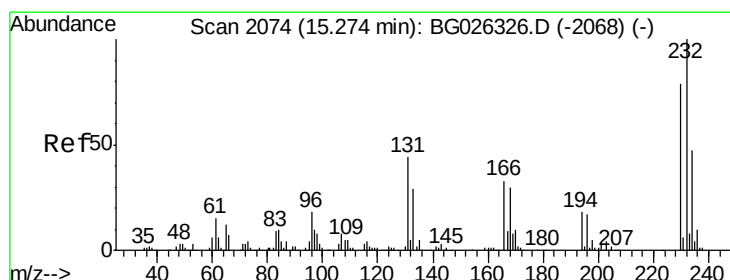
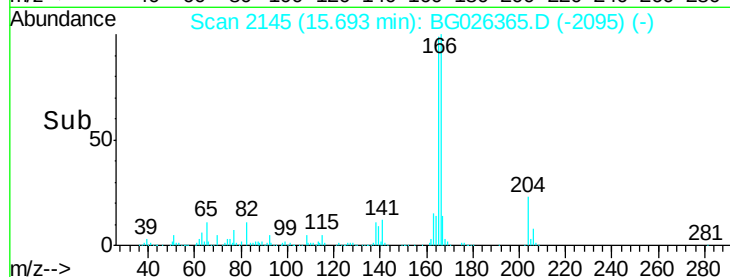
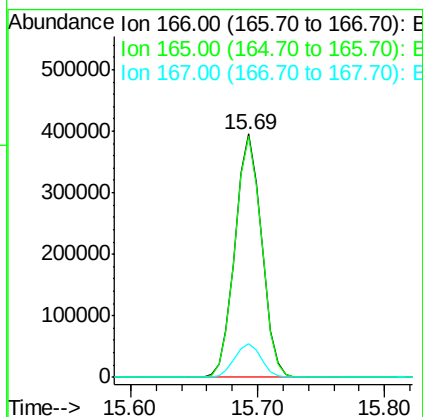
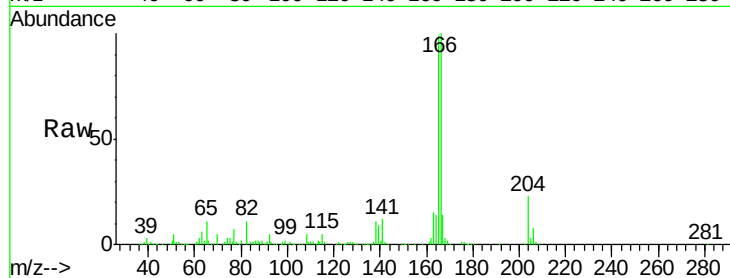
ClientSampleId :

LOQ-SOIL-02-QT2-2017

Tgt Ion:	166	Resp:	571876
Ion Ratio		Lower	Upper
166	100		
165	98.9	78.6	117.8
167	14.0	11.6	17.4

Manual Integrations
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#58

2,3,4,6-Tetrachlorophenol

Concen: 19.95 ng

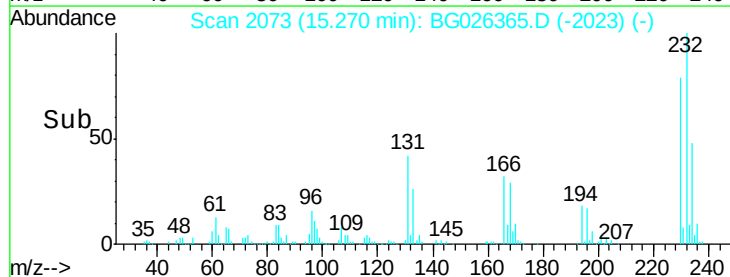
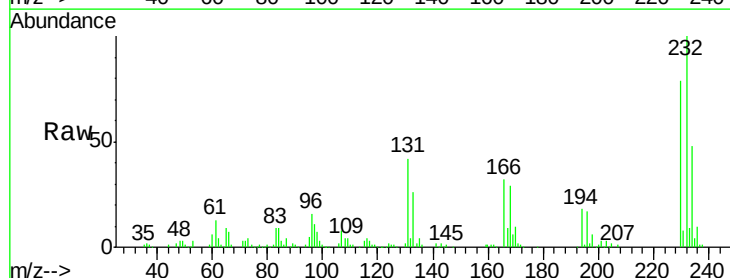
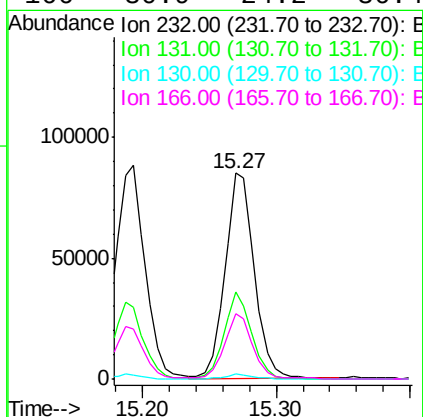
RT: 15.27 min Scan# 2073

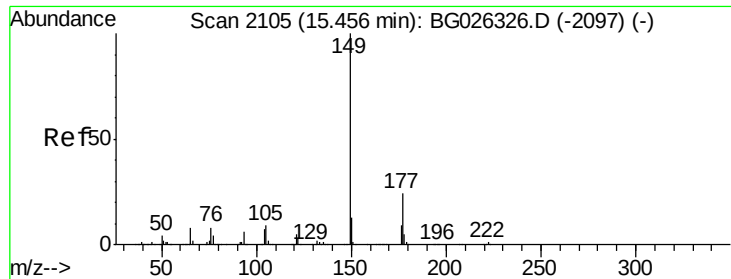
Delta R.T. -0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Tgt Ion:	232	Resp:	129287
Ion Ratio		Lower	Upper
232	100		
131	40.3	34.9	52.3
130	2.1	2.3	3.5#
166	30.9	24.2	36.4





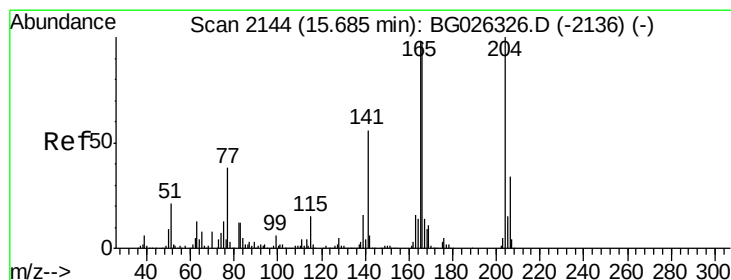
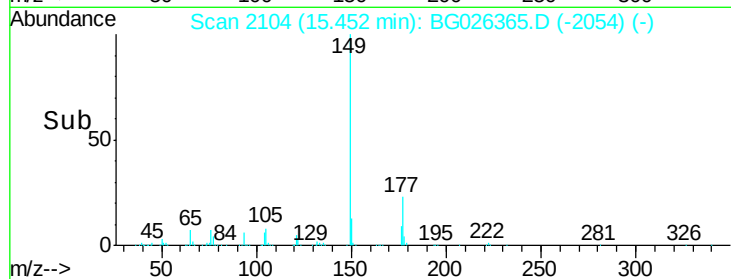
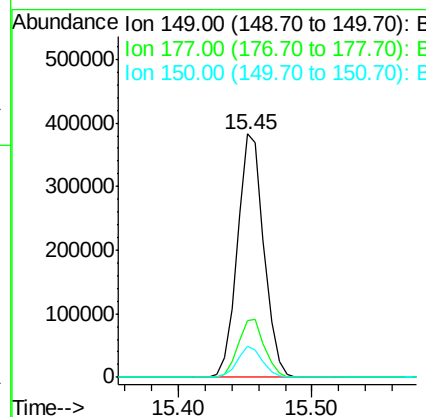
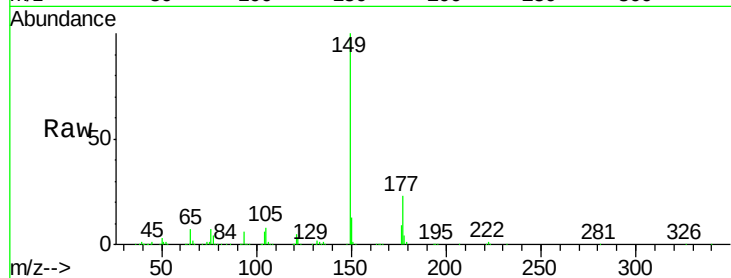
#59
Diethylphthalate
Concen: 19.93 ng
RT: 15.45 min Scan# 2104
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	524809		
177	23.4		20.1	30.1
150	12.7		10.2	15.2

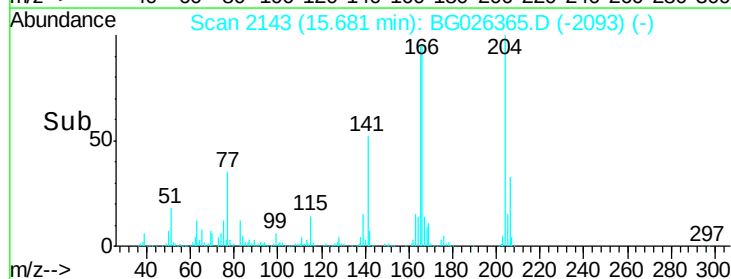
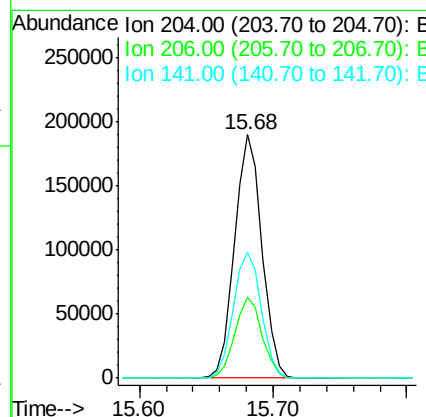
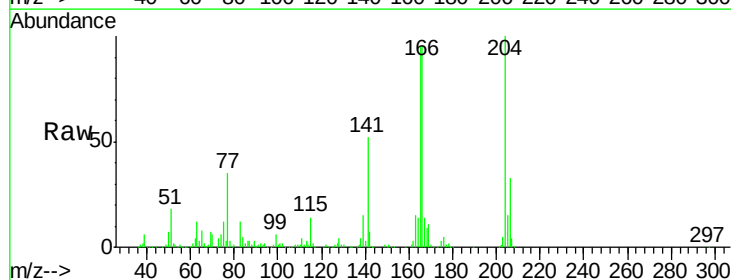
Manual Integrations
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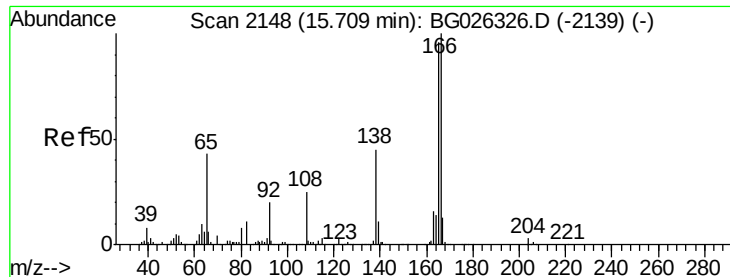
mohammad
3/23/2017 3:31:54 PM



#60
4-Chlorophenyl-phenylether
Concen: 20.56 ng
RT: 15.68 min Scan# 2143
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	270579		
206	33.3		30.1	45.1
141	51.7		50.6	76.0





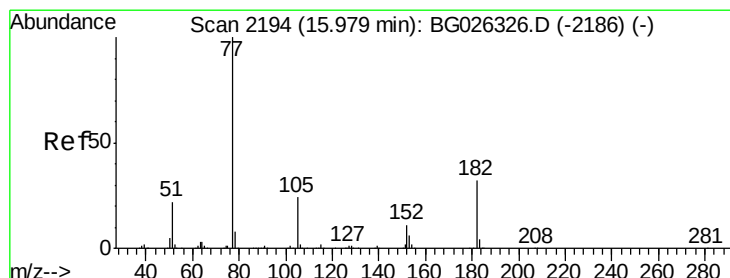
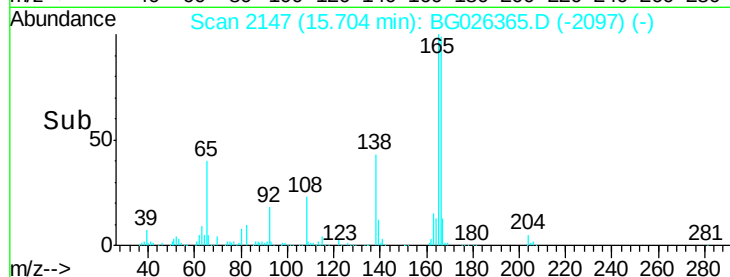
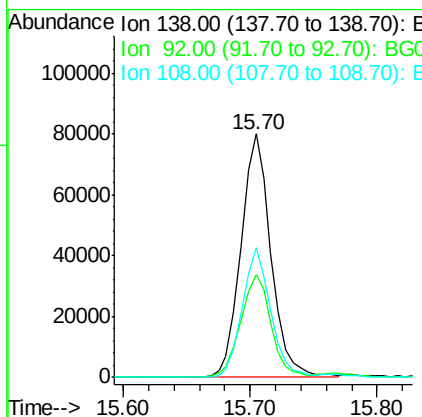
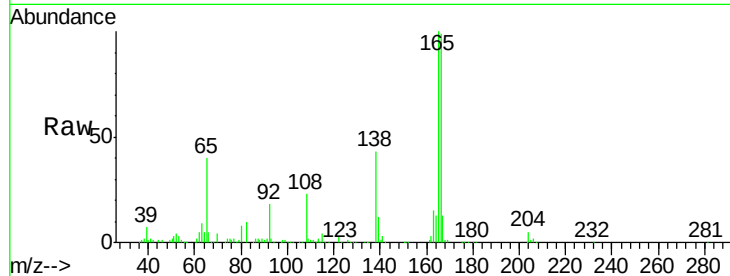
#61
4-Nitroaniline
Concen: 18.78 ng
RT: 15.70 min Scan# 2147
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	131487		
92	42.1	44.2	84.2#	
108	53.5	104.8	144.8#	

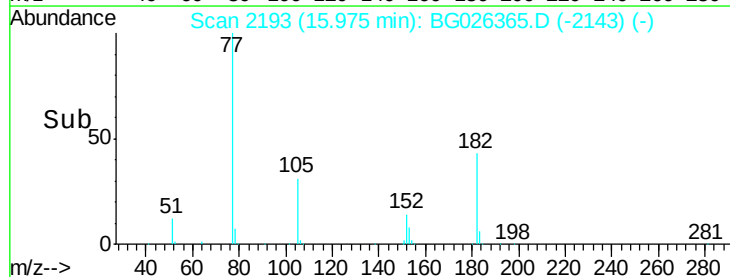
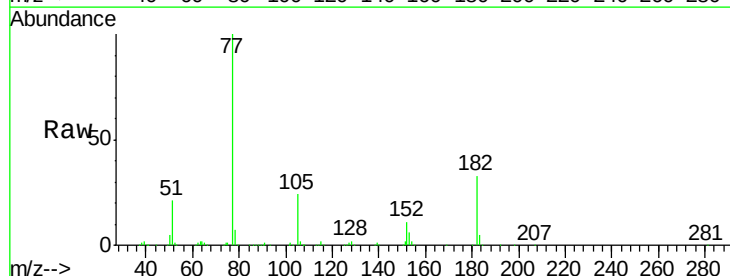
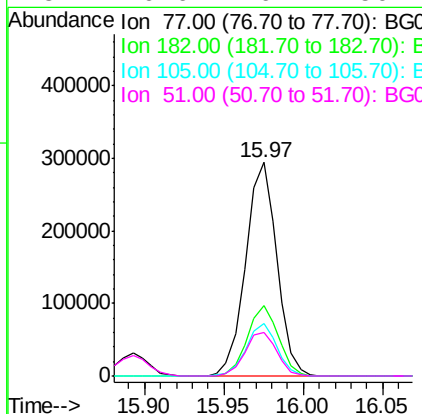
Manual Integrations
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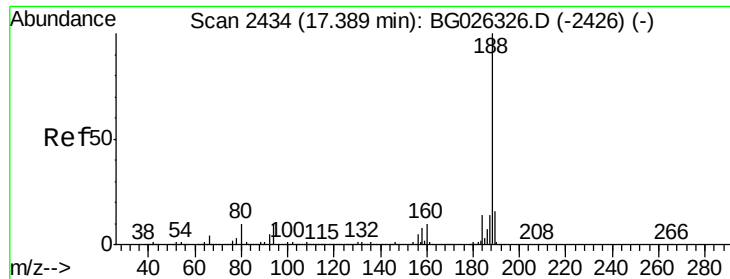
mohammad
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#62
Azobenzene
Concen: 18.73 ng
RT: 15.97 min Scan# 2193
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	401087		
182	33.3	4.7	44.7	
105	24.4	0.0	36.3	
51	20.6	16.4	56.4	





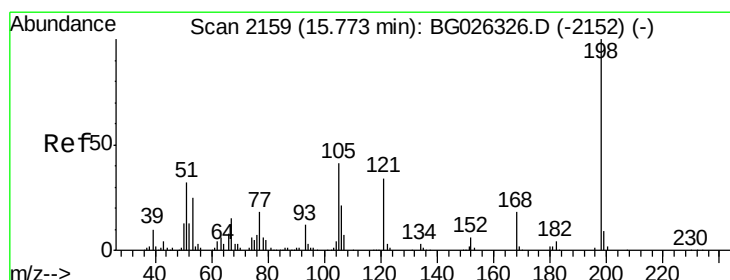
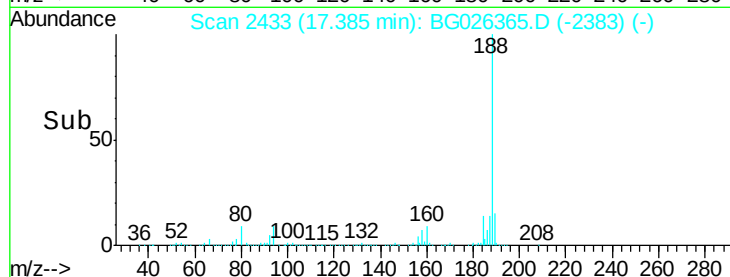
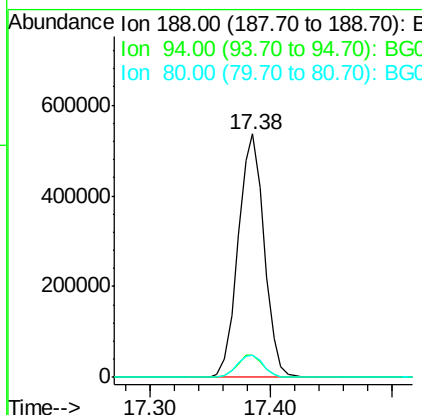
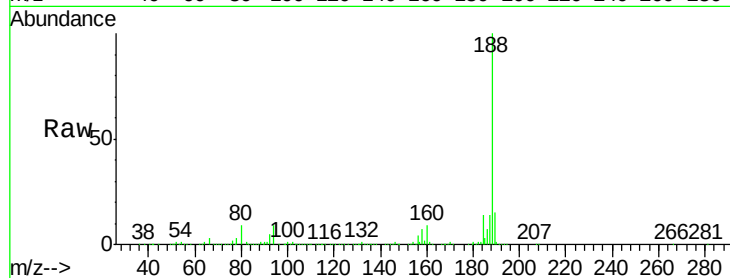
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.38 min Scan# 2433
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.1	5.8	8.8#
80	9.1	7.5	11.3

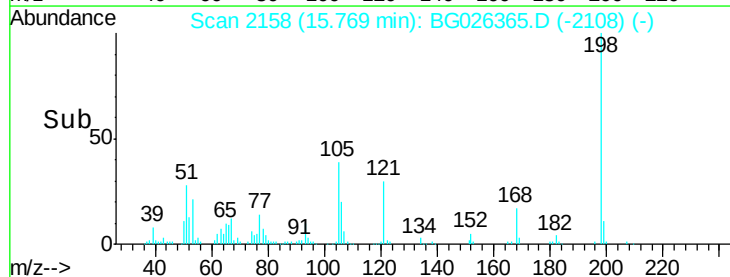
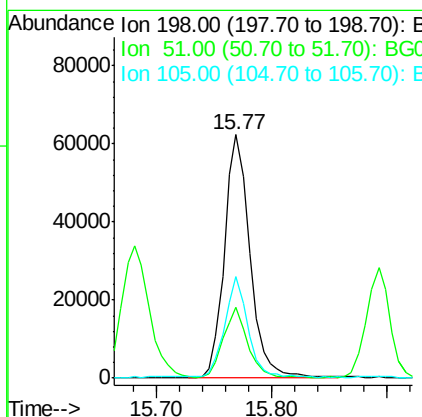
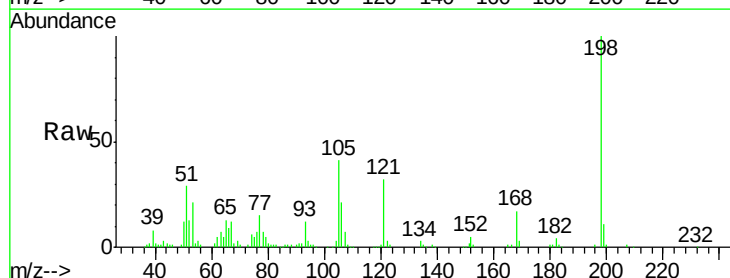
Manual Integrations
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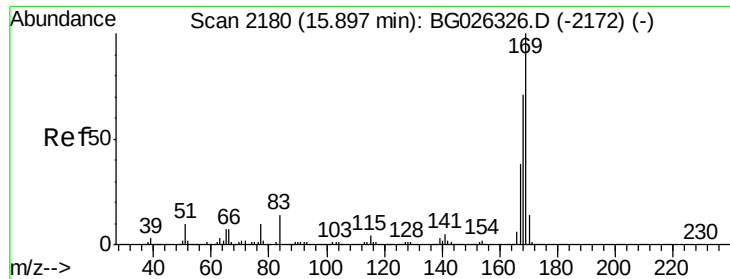
mohammad
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#64
4,6-Dinitro-2-methylphenol
Concen: 18.94 ng
RT: 15.77 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	28.9	22.6	62.6
105	41.5	14.4	54.4





#65

n-Nitrosodiphenylamine

Concen: 20.35 ng

RT: 15.89 min Scan# 2179

Delta R.T. -0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Instrument :

BNA_G

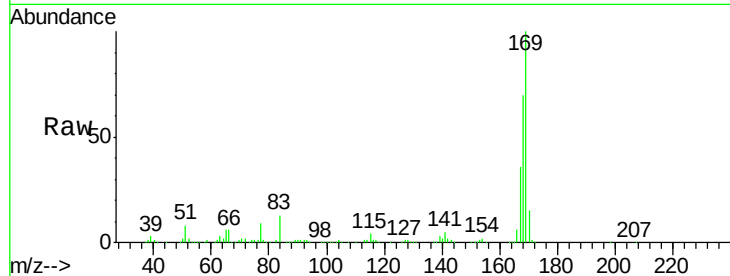
ClientSampleId :

LOQ-SOIL-02-QT2-2017

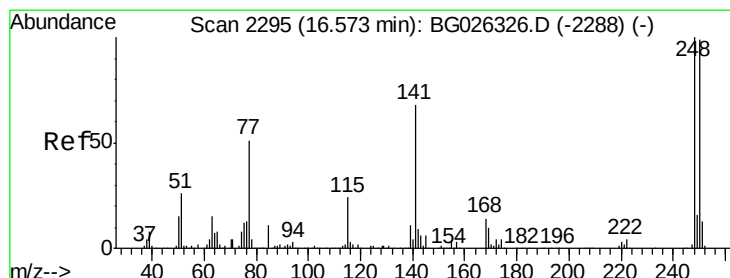
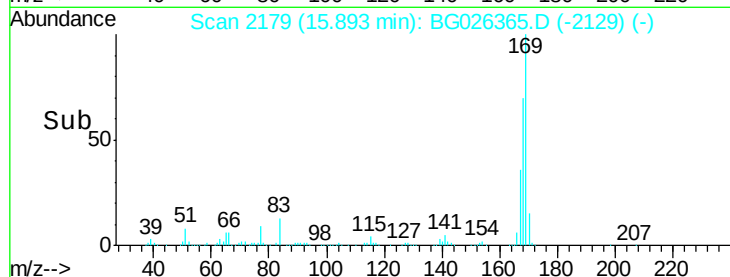
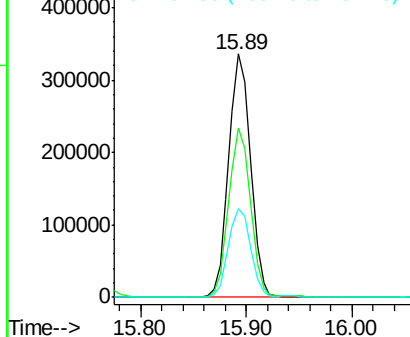
Tgt Ion:	169	Resp:	479878
Ion Ratio	Lower	Upper	
169	100		
168	69.6	55.7	83.5
167	36.4	29.8	44.6

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Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 21.33 ng

RT: 16.57 min Scan# 2295

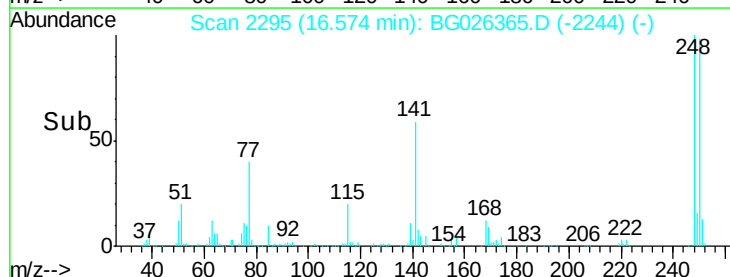
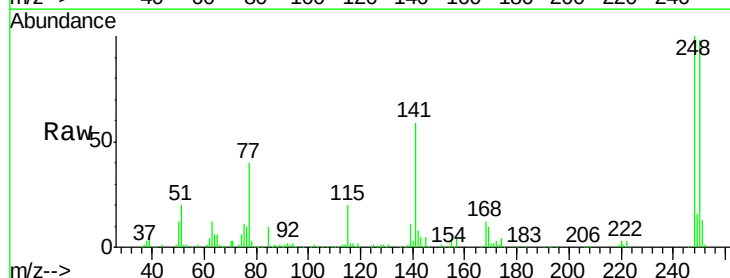
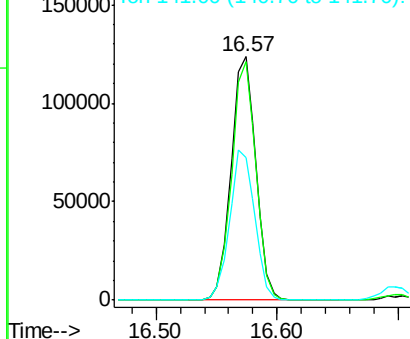
Delta R.T. 0.00 min

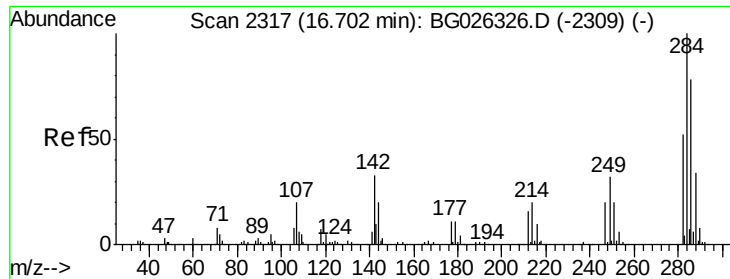
Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Tgt Ion:	248	Resp:	176399
Ion Ratio	Lower	Upper	
248	100		
250	98.0	75.0	112.6
141	58.8	55.2	82.8

Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 21.02 ng

RT: 16.70 min Scan# 2316

Delta R.T. -0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Instrument :

BNA_G

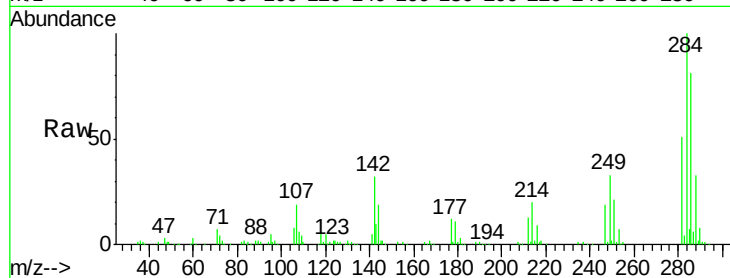
ClientSampleId :

LOQ-SOIL-02-QT2-2017

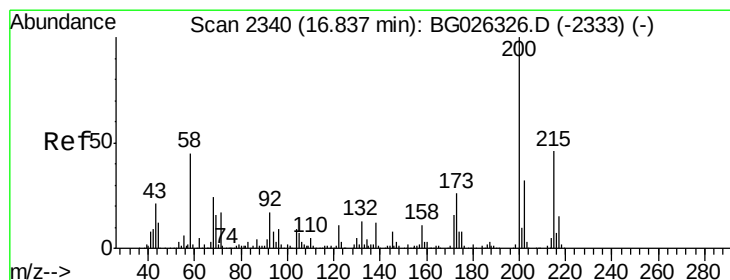
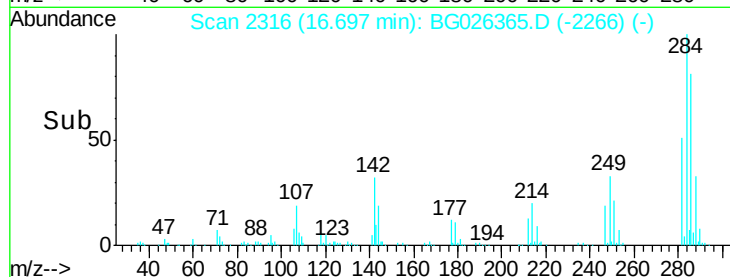
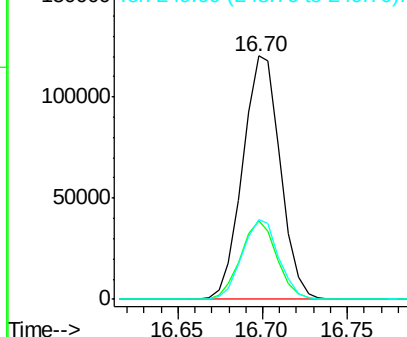
Tgt Ion:	284	Resp:	185485
Ion Ratio		Lower	Upper
284	100		
142	32.1	29.9	44.9
249	32.5	29.2	43.8

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



#68

Atrazine

Concen: 19.66 ng

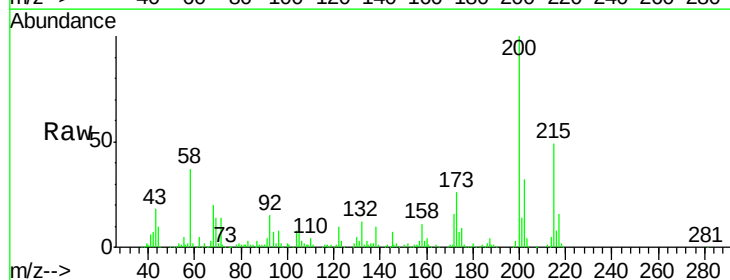
RT: 16.83 min Scan# 2339

Delta R.T. -0.00 min

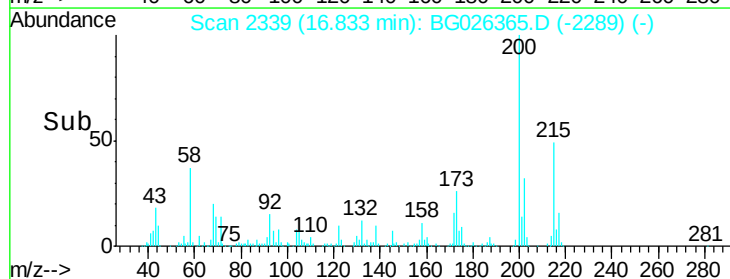
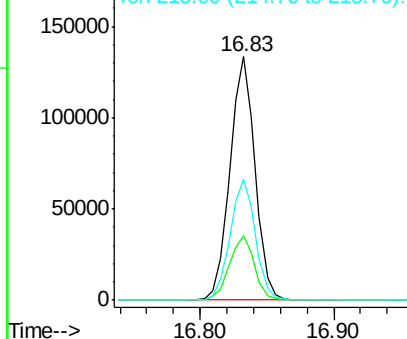
Lab File: BG026365.D

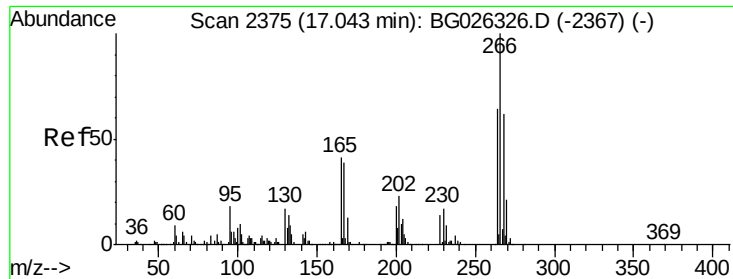
Acq: 21 Mar 2017 19:23

Tgt Ion:	200	Resp:	175525
Ion Ratio		Lower	Upper
200	100		
173	26.4	3.0	43.0
215	49.4	28.4	68.4



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





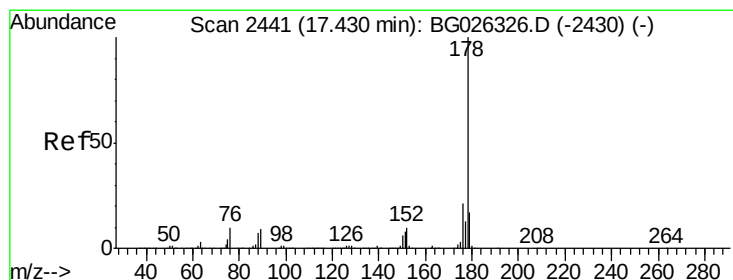
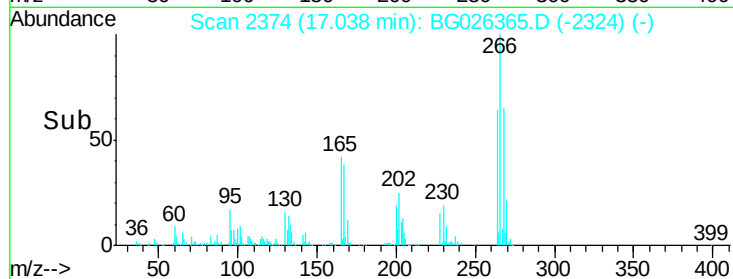
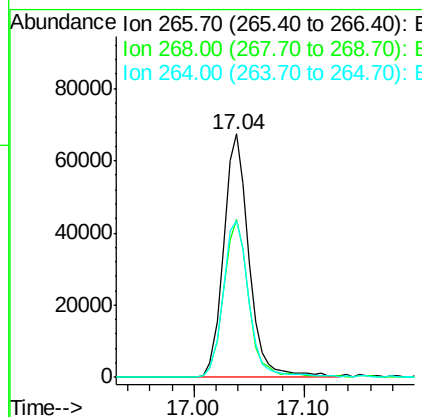
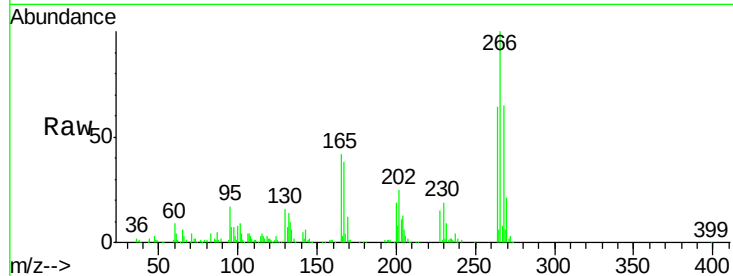
#69
 Pentachlorophenol
 Concen: 18.93 ng
 RT: 17.04 min Scan# 2374
 Delta R.T. -0.00 min
 Lab File: BG026365.D
 Acq: 21 Mar 2017 19:23

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	108610		
268	64.7	48.6	72.8	
264	64.3	50.1	75.1	

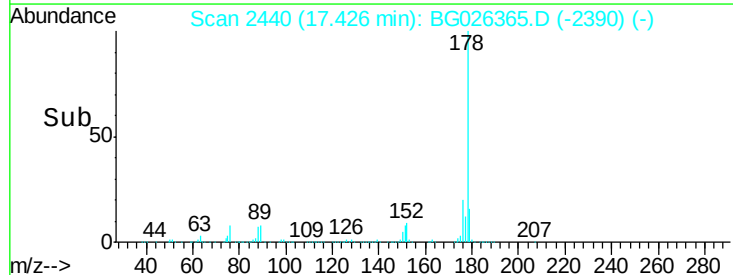
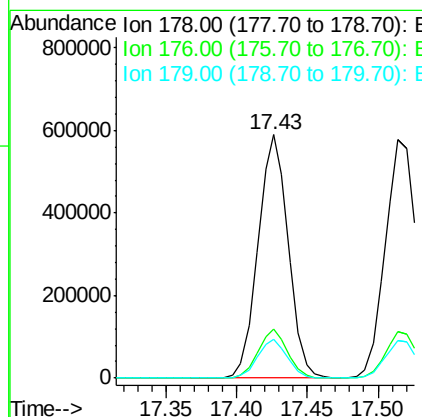
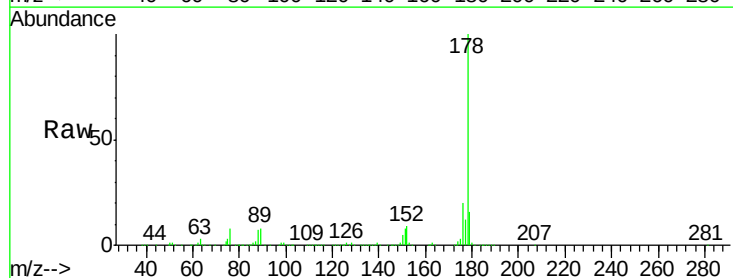
Manual Integrations
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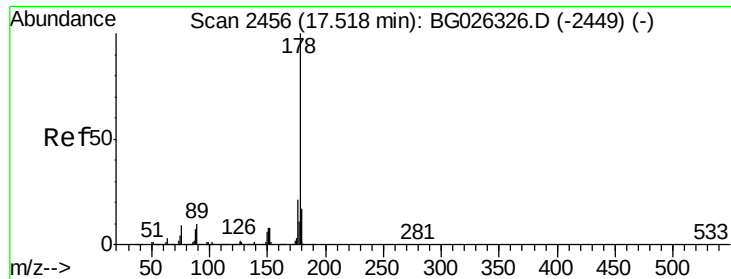
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#70
 Phenanthrene
 Concen: 20.51 ng
 RT: 17.43 min Scan# 2440
 Delta R.T. -0.00 min
 Lab File: BG026365.D
 Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	884849		
176	20.0	17.7	26.5	
179	15.7	15.0	22.6	





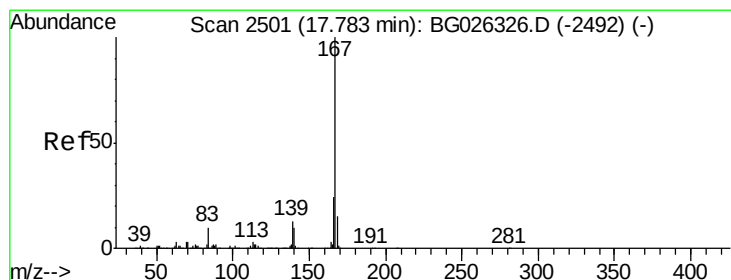
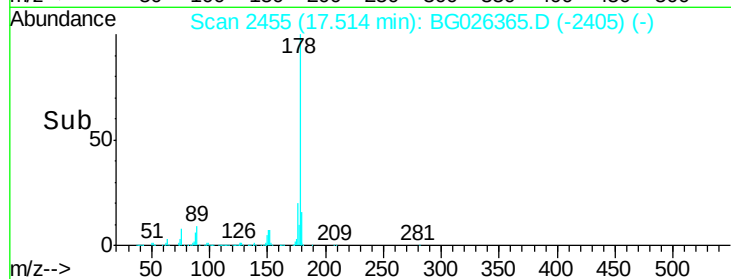
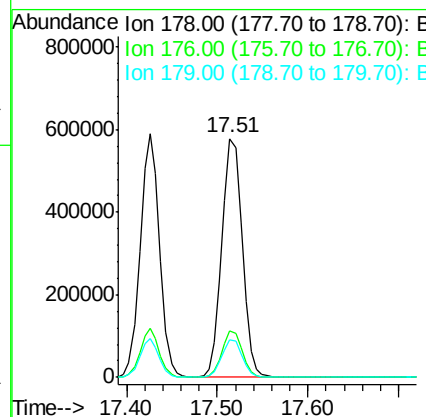
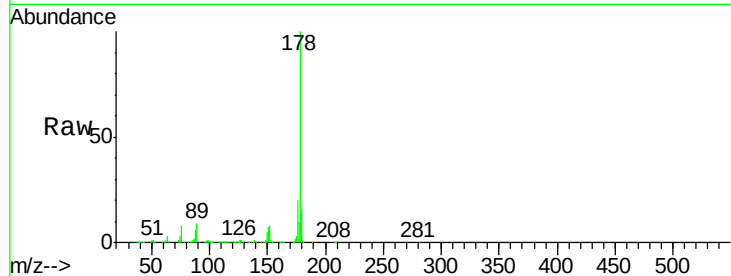
#71
 Anthracene
 Concen: 20.55 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.00 min
 Lab File: BG026365.D
 Acq: 21 Mar 2017 19:23

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.4	24.6
179	15.8	13.8	20.8

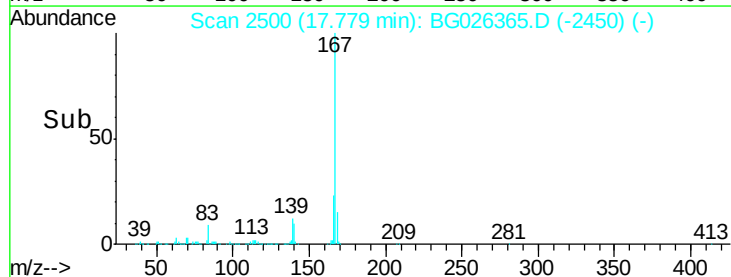
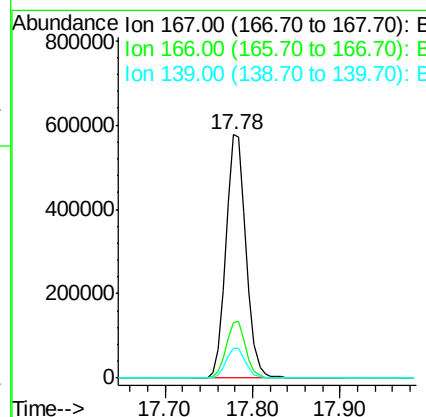
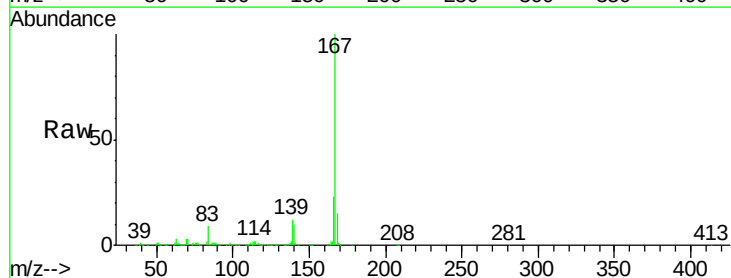
Manual Integrations
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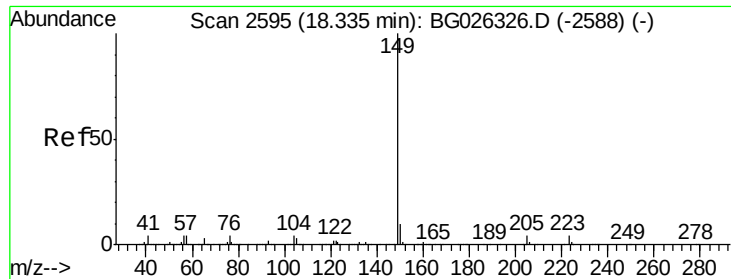
mohammad
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#72
 Carbazole
 Concen: 20.23 ng
 RT: 17.78 min Scan# 2500
 Delta R.T. -0.00 min
 Lab File: BG026365.D
 Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.0	20.2	30.2
139	12.3	12.8	19.2#





#73

Di-n-butylphthalate

Concen: 19.73 ng

RT: 18.33 min Scan# 2594

Delta R.T. -0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Instrument :

BNA_G

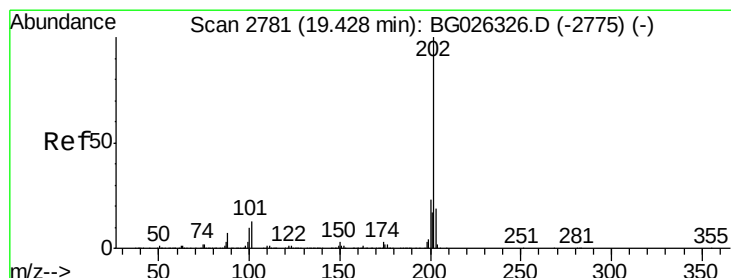
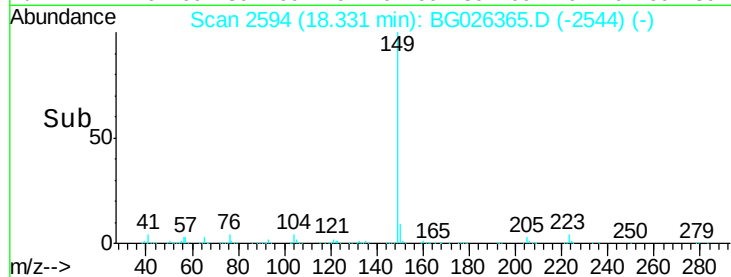
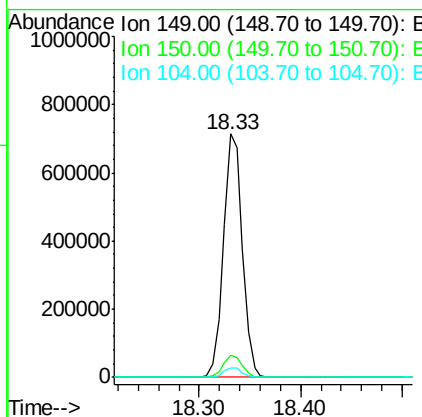
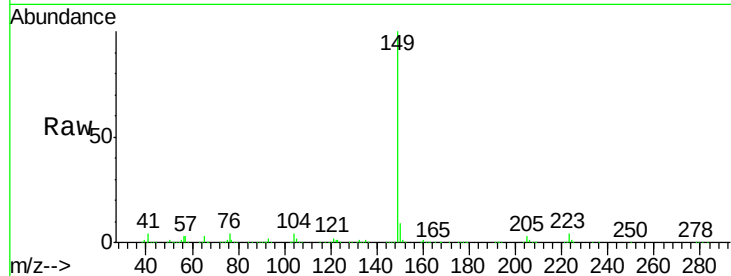
ClientSampleId :

LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	918709		
150	9.4	9.1	13.7	
104	4.0	6.7	10.1	

Manual Integrations
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#74

Fluoranthene

Concen: 20.65 ng

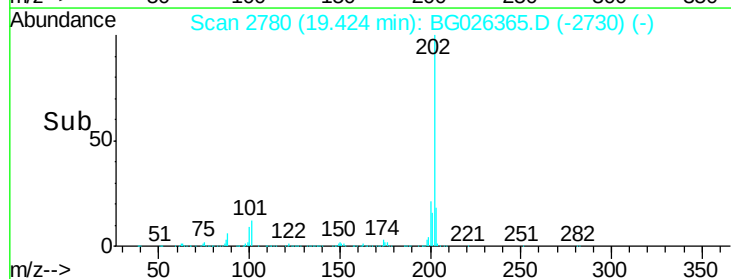
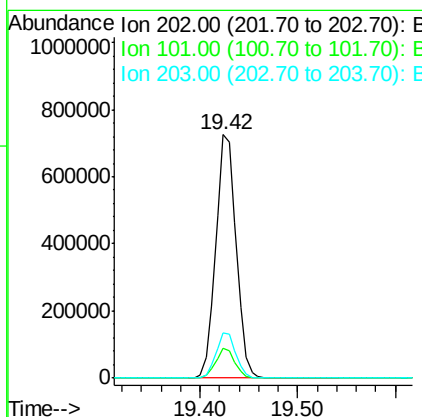
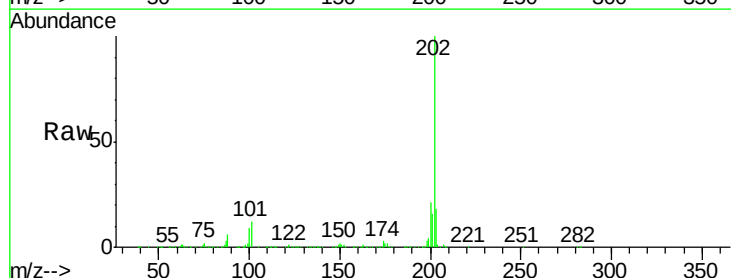
RT: 19.42 min Scan# 2780

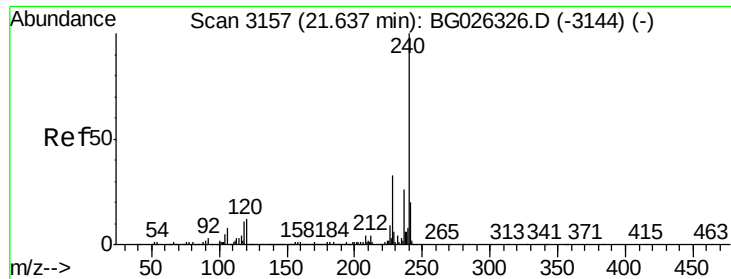
Delta R.T. -0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1047772		
101	12.4	0.0	30.1	
203	18.5	1.3	41.3	





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Instrument :

BNA_G

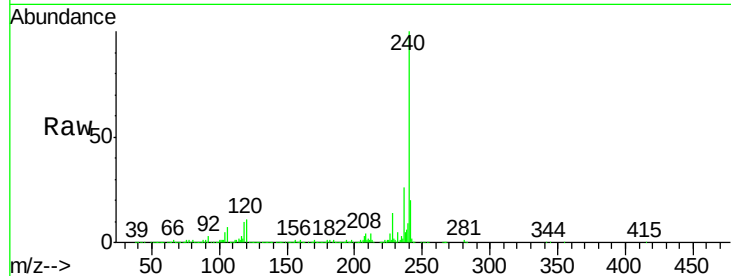
ClientSampleId :

LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.1	5.7	8.5#
236	25.9	22.2	33.4

Manual Integrations
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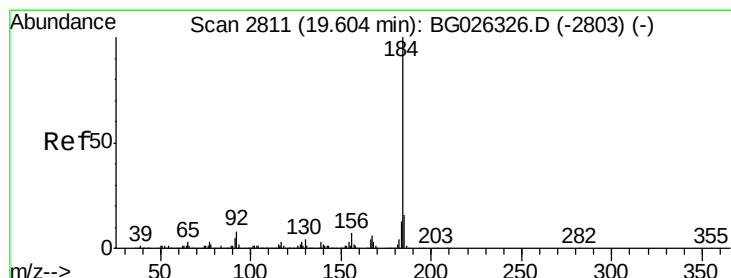
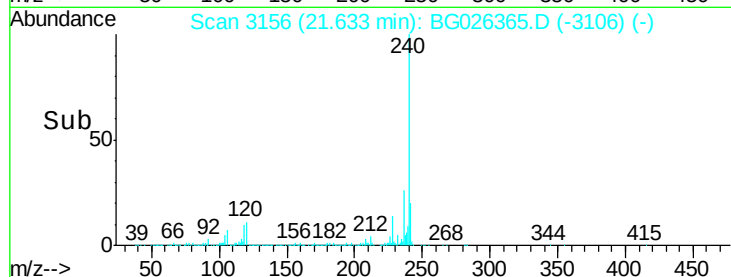
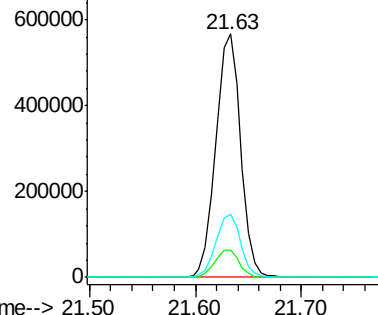
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 17.57 ng

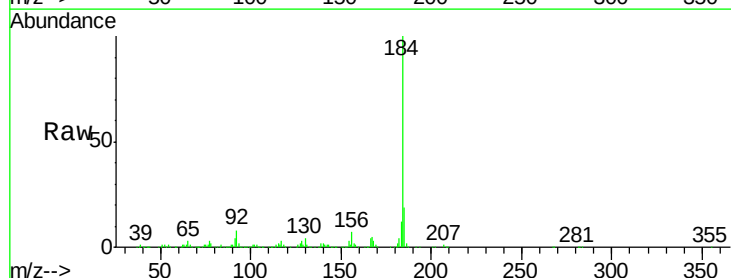
RT: 19.60 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

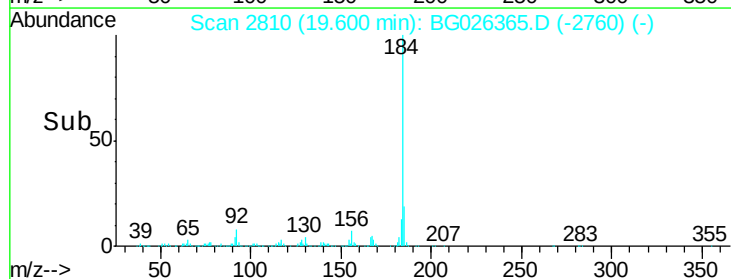
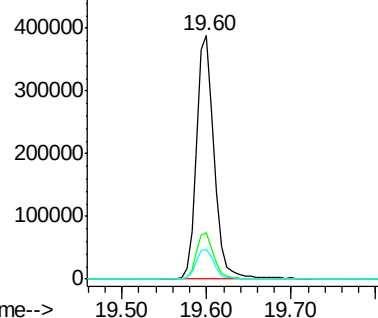
Tgt Ion	Ratio	Lower	Upper
184	100		
185	19.0	13.0	19.6
183	12.5	11.0	16.6

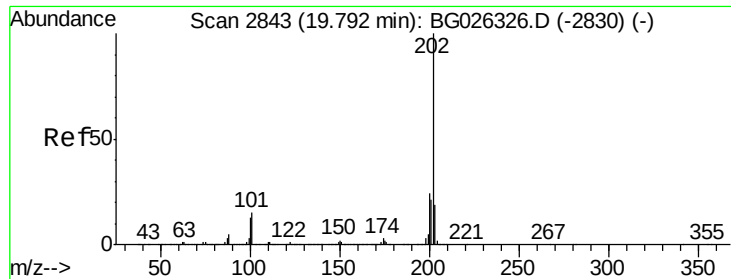


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





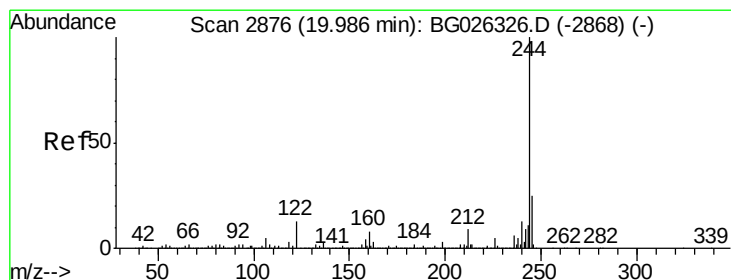
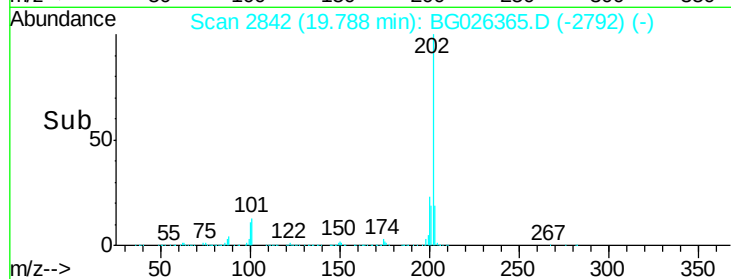
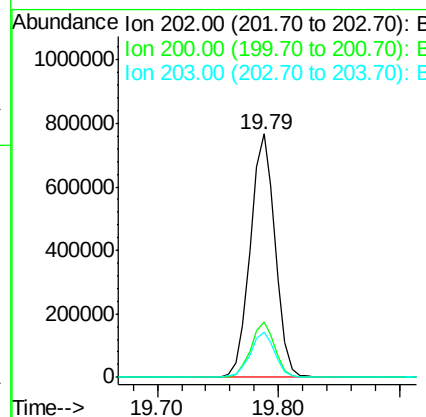
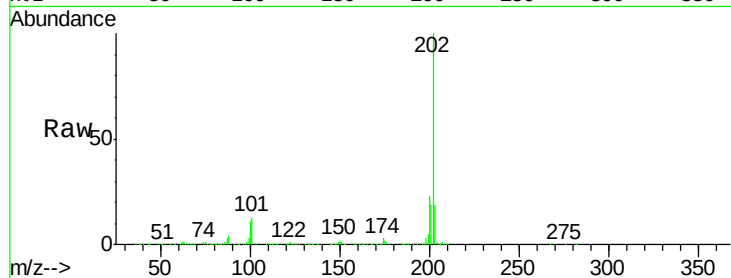
#77
 Pyrene
 Concen: 20.49 ng
 RT: 19.79 min Scan# 2842
 Delta R.T. -0.00 min
 Lab File: BG026365.D
 Acq: 21 Mar 2017 19:23

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.6	19.6	29.4
203	18.5	15.8	23.8

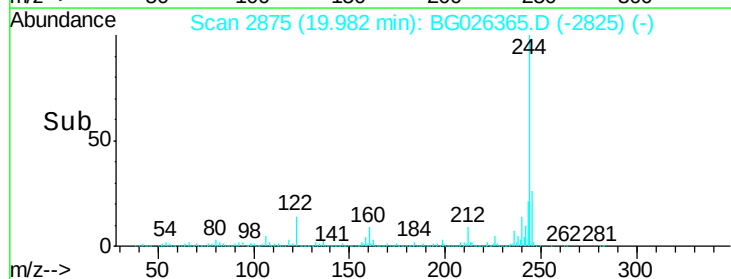
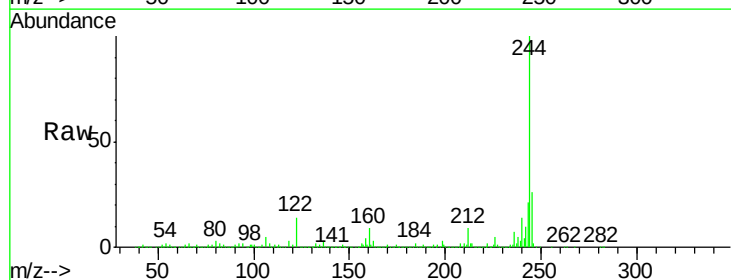
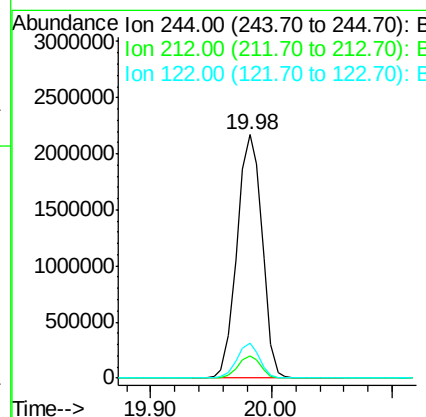
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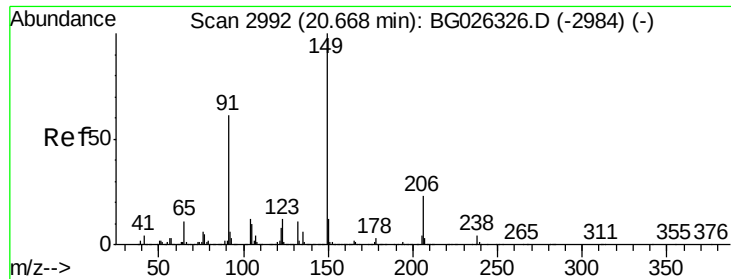
mohammad
 3/23/2017 3:31:54 PM



#78
 Terphenyl-d14
 Concen: 82.79 ng
 RT: 19.98 min Scan# 2875
 Delta R.T. -0.00 min
 Lab File: BG026365.D
 Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.2	10.0	15.0#
122	14.5	8.6	12.8#





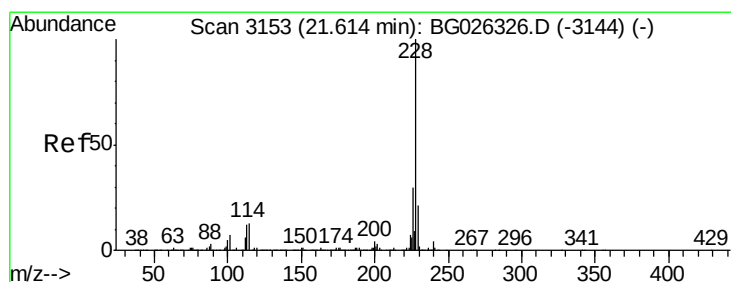
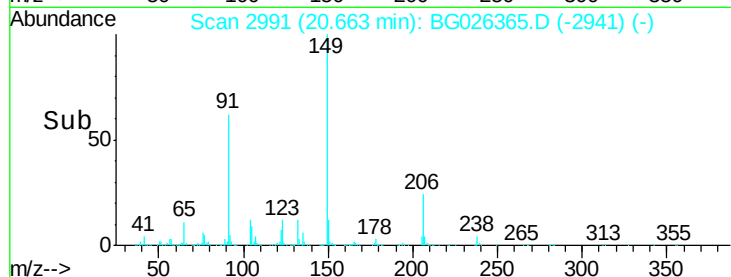
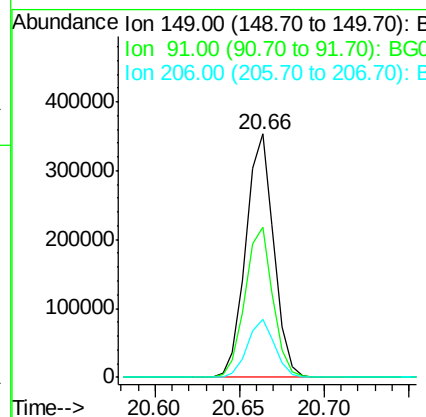
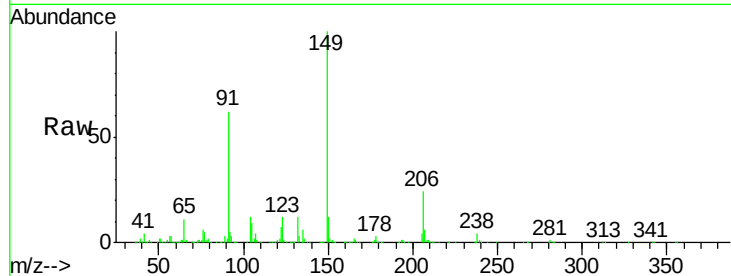
#79
Butylbenzylphthalate
Concen: 19.00 ng
RT: 20.66 min Scan# 2991
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	406581		
91	61.9	63.5	95.3#	
206	24.0	21.0	31.6	

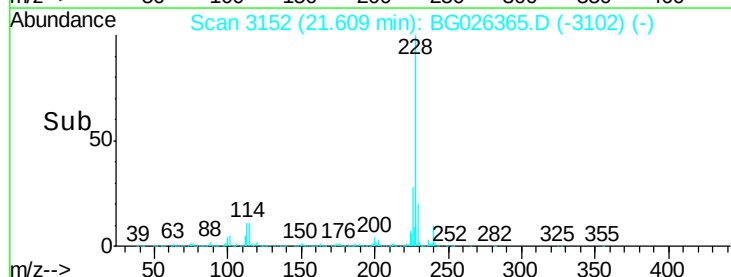
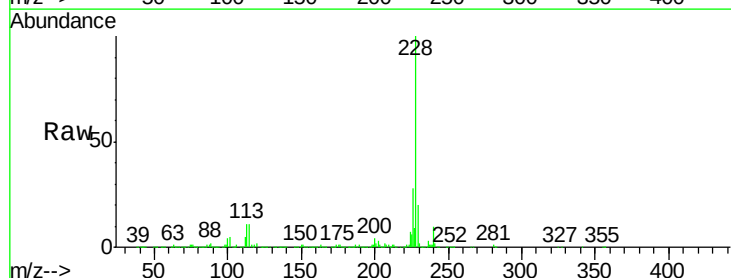
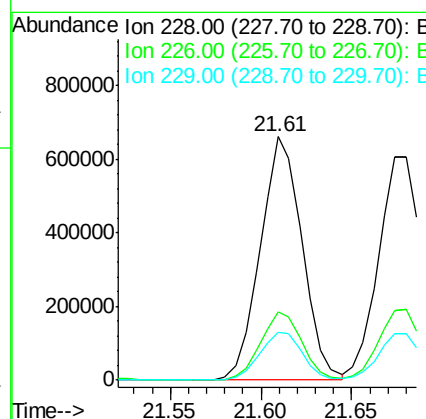
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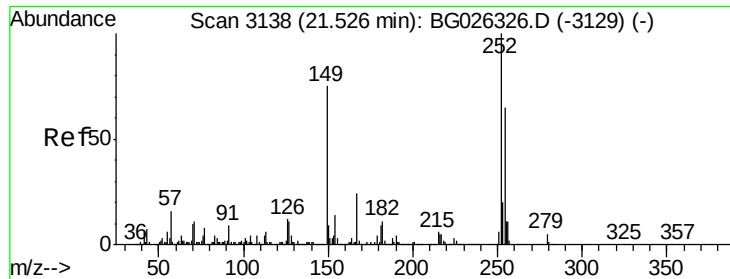
mohammad
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#80
Benzo(a)anthracene
Concen: 20.33 ng
RT: 21.61 min Scan# 3152
Delta R.T. -0.00 min
Lab File: BG026365.D
Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1056677		
226	28.2	24.9	37.3	
229	19.8	18.2	27.2	





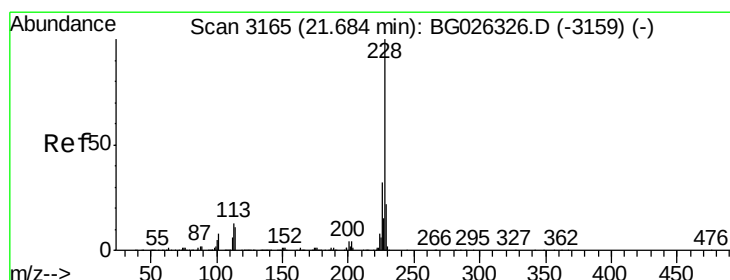
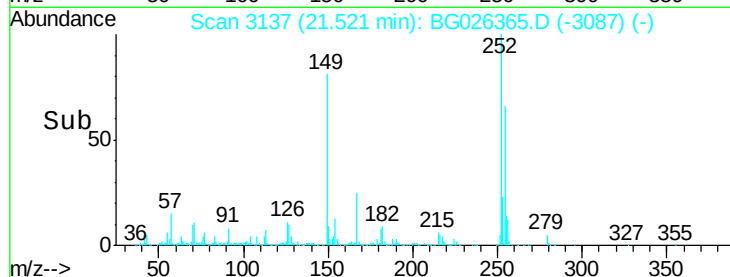
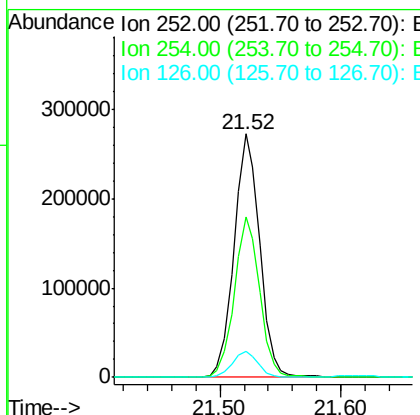
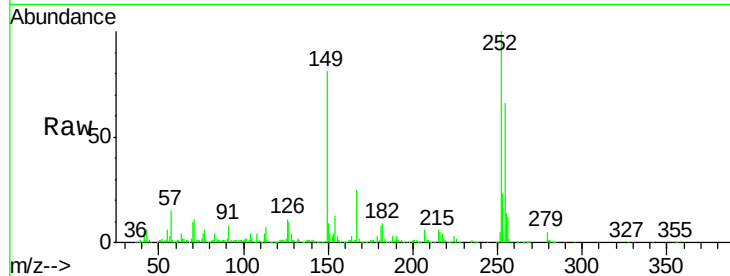
#81
 3,3'-Dichlorobenzidine
 Concen: 18.99 ng
 RT: 21.52 min Scan# 3137
 Delta R.T. -0.00 min
 Lab File: BG026365.D
 Acq: 21 Mar 2017 19:23

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.9	53.1	79.7
126	10.9	7.0	10.4

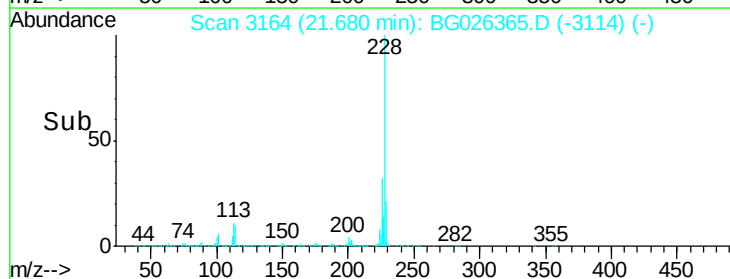
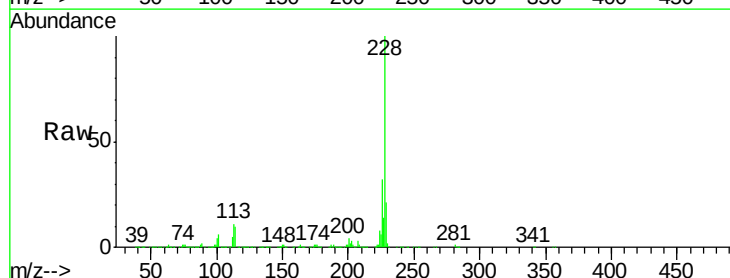
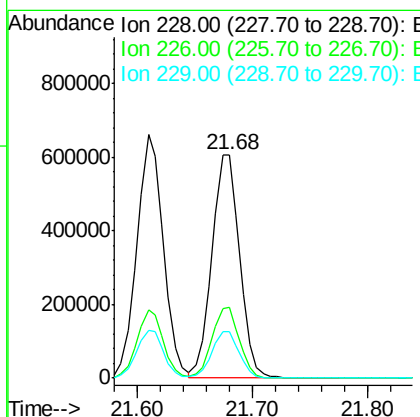
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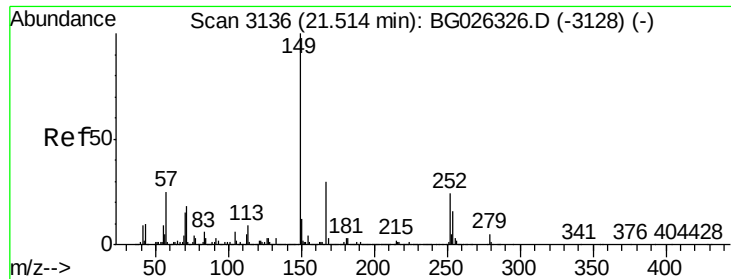
mohammad
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#82
 Chrysene
 Concen: 20.28 ng
 RT: 21.68 min Scan# 3164
 Delta R.T. -0.00 min
 Lab File: BG026365.D
 Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	27.0	40.4
229	20.7	17.8	26.6





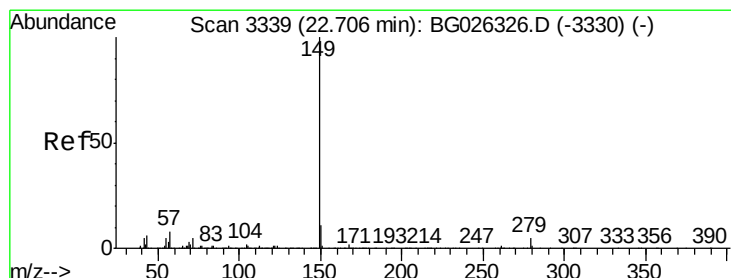
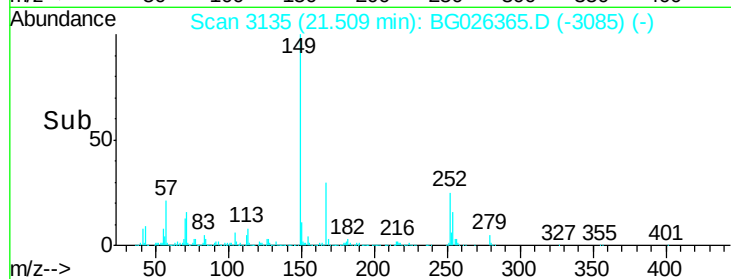
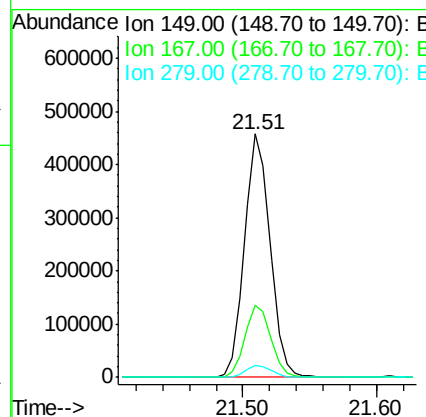
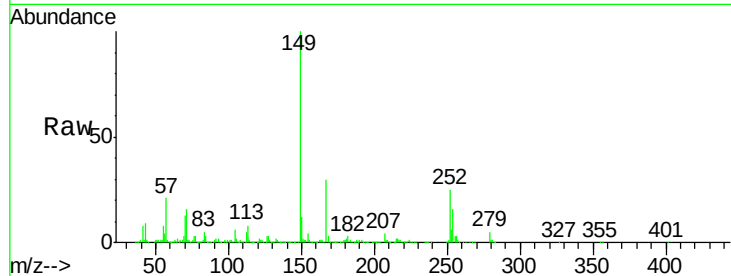
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 18.68 ng
 RT: 21.51 min Scan# 3135
 Delta R.T. -0.00 min
 Lab File: BG026365.D
 Acq: 21 Mar 2017 19:23

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.7	23.7	35.5
279	4.9	4.6	6.8

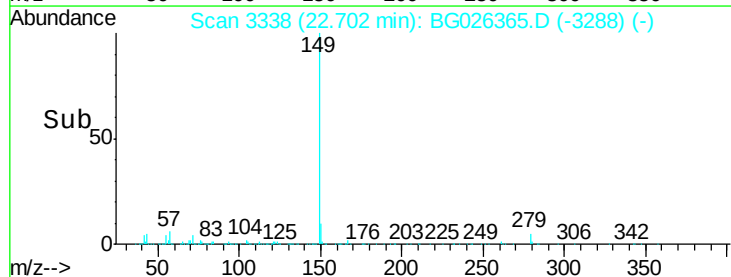
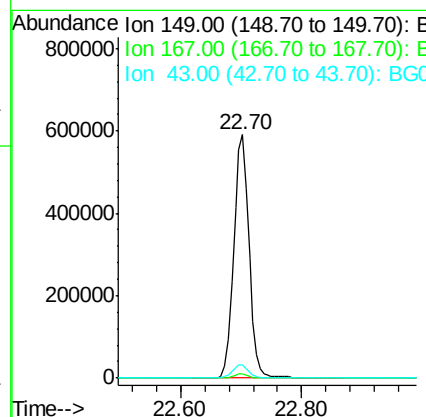
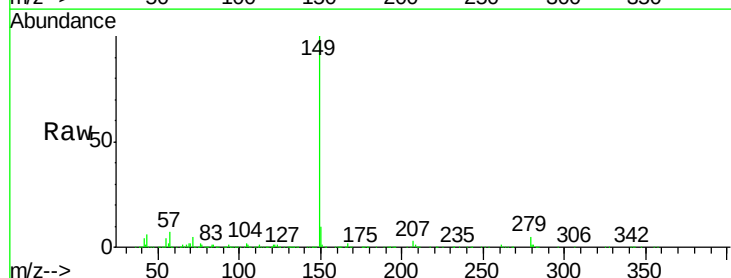
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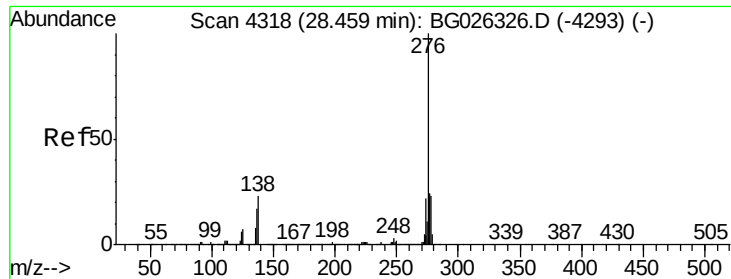
mohammad
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#84
 Di-n-octyl phthalate
 Concen: 18.73 ng
 RT: 22.70 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: BG026365.D
 Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.2
43	5.9	11.8	17.6#





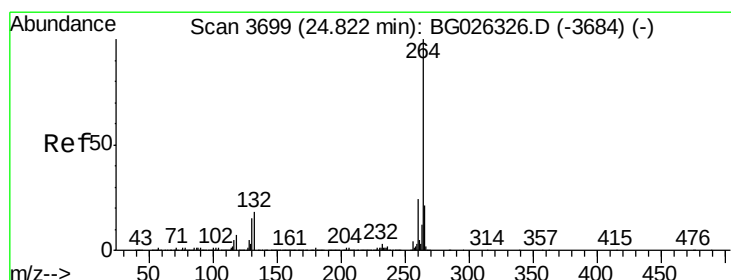
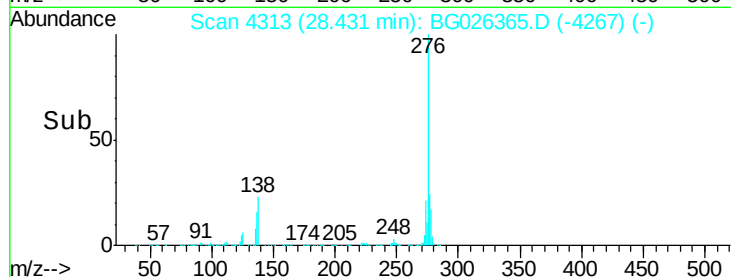
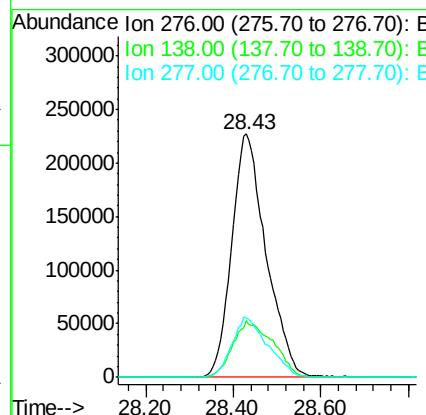
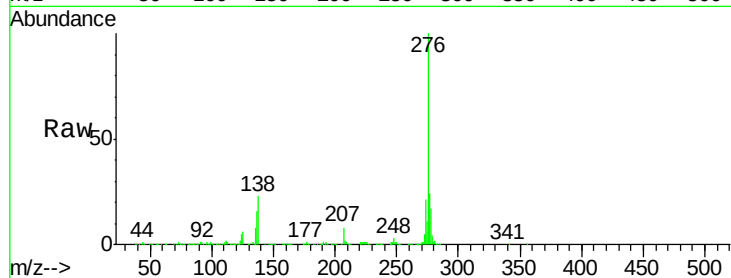
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 19.88 ng
 RT: 28.43 min Scan# 4313
 Delta R.T. -0.03 min
 Lab File: BG026365.D
 Acq: 21 Mar 2017 19:23

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.1	4.7	7.1#
277	25.8	20.6	31.0

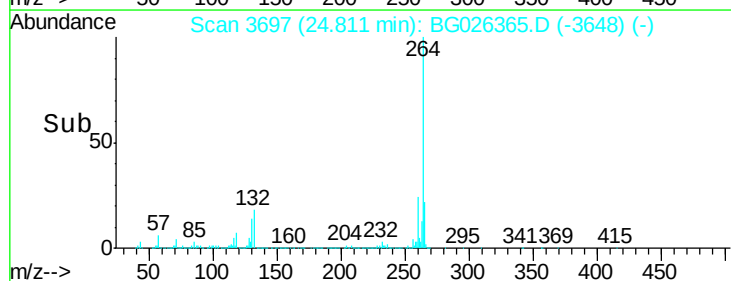
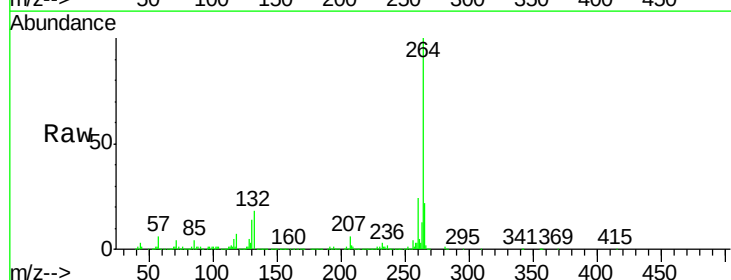
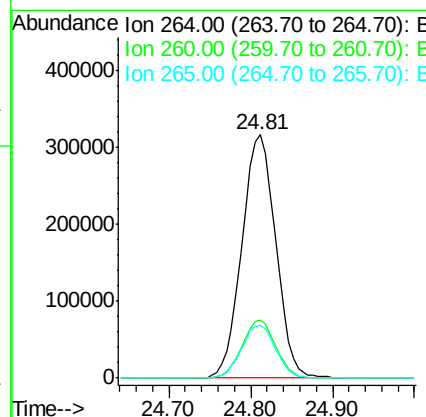
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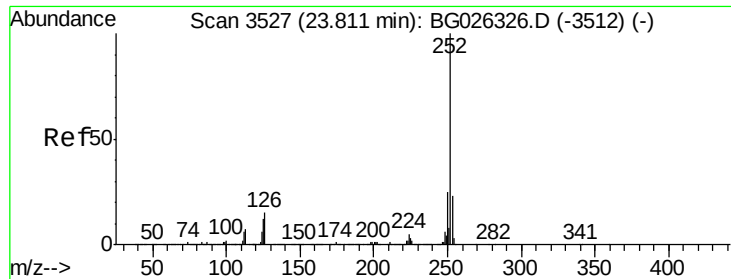
mohammad
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.81 min Scan# 3697
 Delta R.T. -0.01 min
 Lab File: BG026365.D
 Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	21.8	32.8
265	21.8	18.2	27.4





#87

Benzo(b)fluoranthene

Concen: 19.58 ng

RT: 23.80 min Scan# 3525

Delta R.T. -0.01 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Instrument :

BNA_G

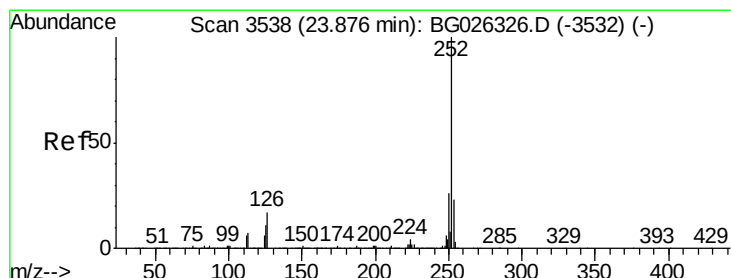
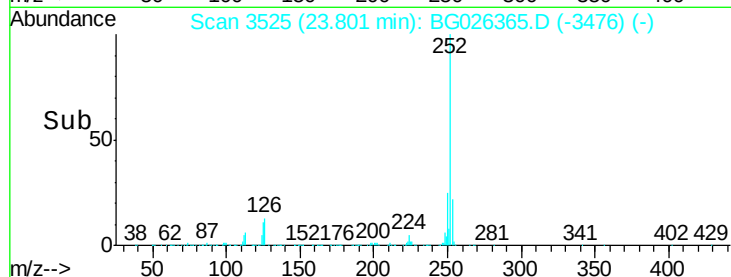
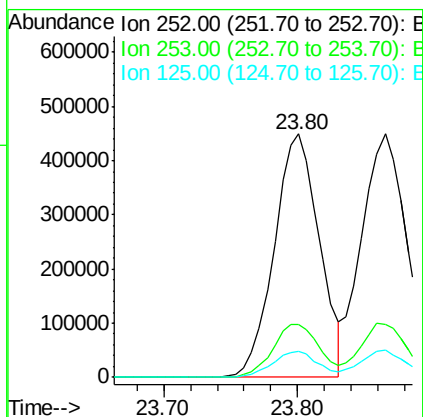
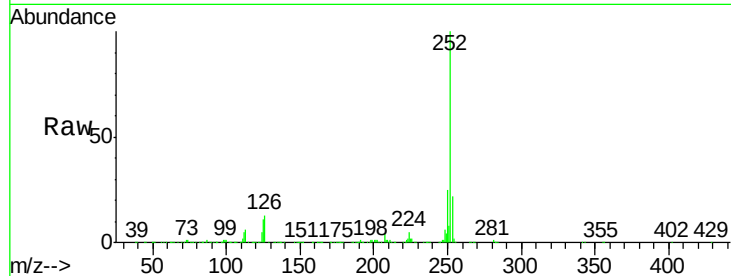
ClientSampleId :

LOQ-SOIL-02-QT2-2017

Tgt Ion:	252	Resp:	1051575
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.7	28.1
125	10.5	5.3	7.9#

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#88

Benzo(k)fluoranthene

Concen: 20.40 ng

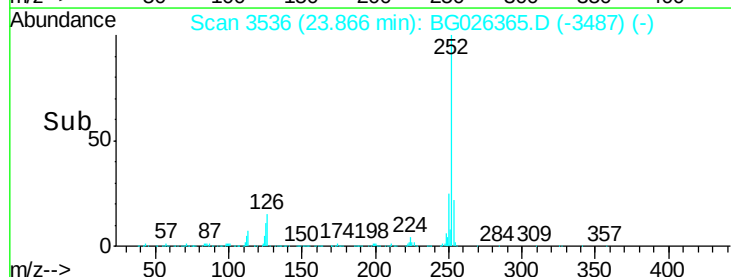
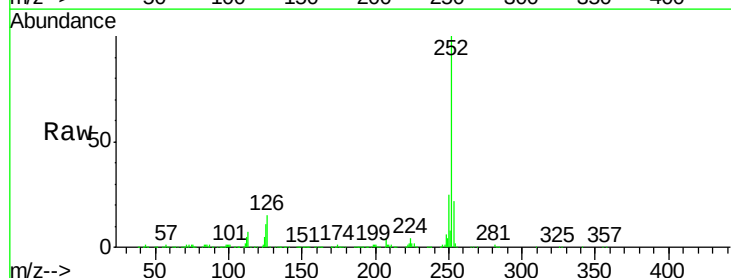
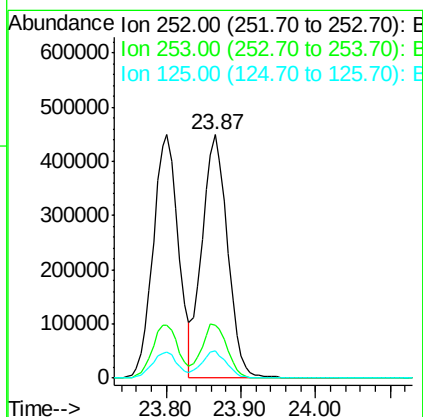
RT: 23.87 min Scan# 3536

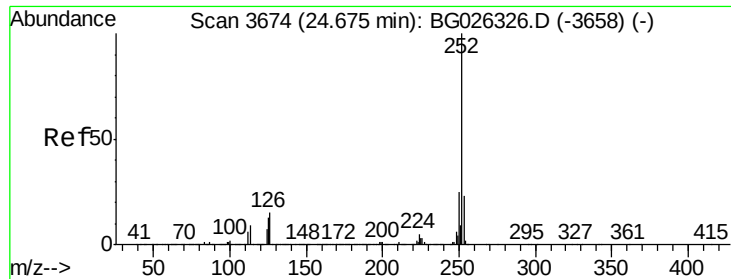
Delta R.T. -0.01 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Tgt Ion:	252	Resp:	1062700
Ion Ratio	Lower	Upper	
252	100		
253	21.8	20.2	30.2
125	11.3	5.1	7.7#





#89

Benzo(a)pyrene

Concen: 19.89 ng

RT: 24.66 min Scan# 3671

Delta R.T. -0.02 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Instrument :

BNA_G

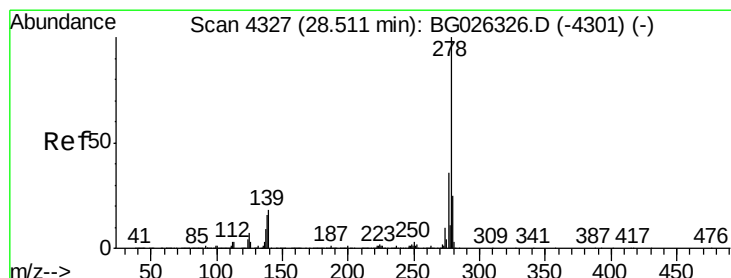
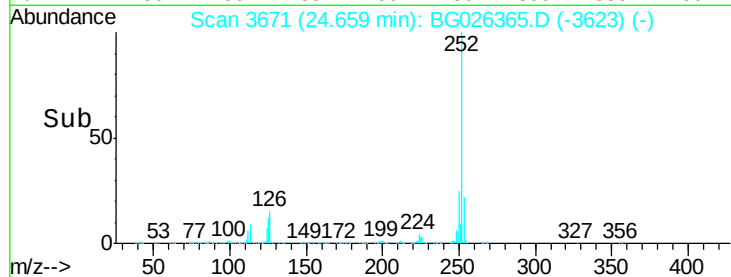
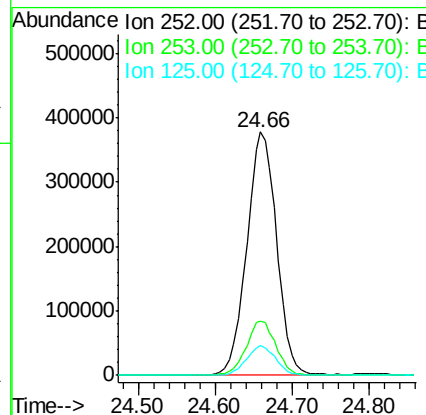
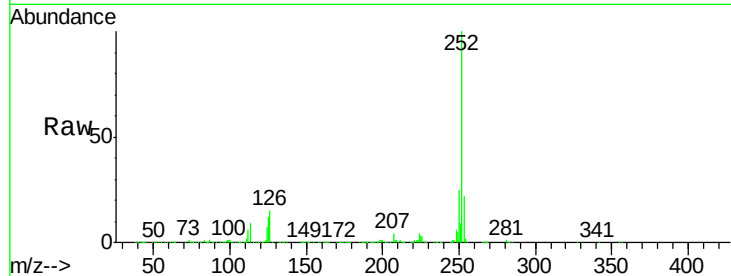
ClientSampleId :

LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	19.2	28.8
125	12.1	5.4	8.0#

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#90

Dibenzo(a,h)anthracene

Concen: 19.70 ng

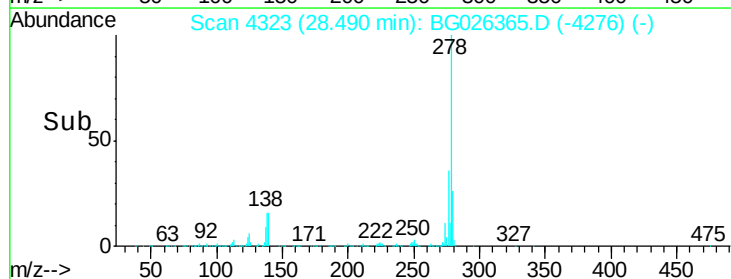
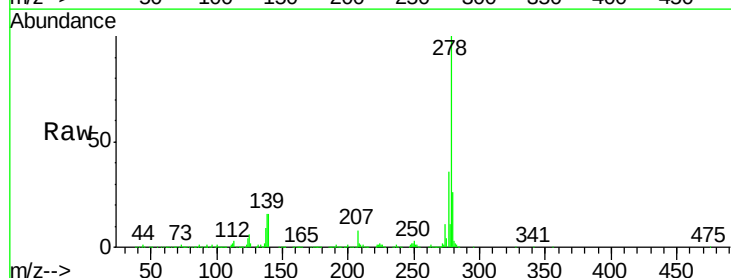
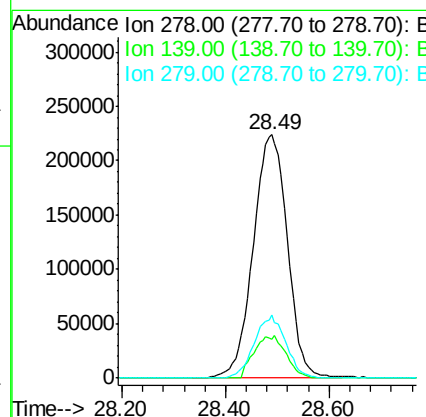
RT: 28.49 min Scan# 4323

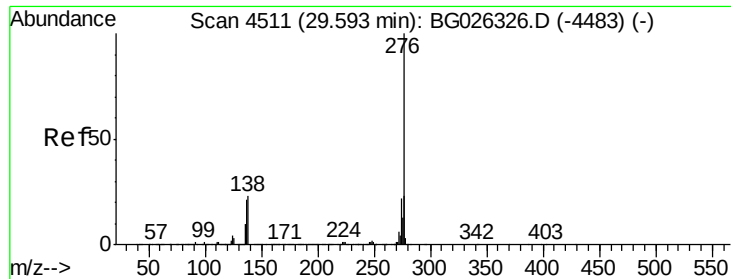
Delta R.T. -0.02 min

Lab File: BG026365.D

Acq: 21 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.1	7.7	11.5#
279	26.1	19.1	28.7





#91
 Benzo(g,h,i)perylene
 Concen: 19.73 ng
 RT: 29.56 min Scan# 4506
 Delta R.T. -0.03 min
 Lab File: BG026365.D
 Acq: 21 Mar 2017 19:23

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.6	27.8
138	23.0	8.1	12.1#

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