

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120417\
 Data File : BG031368.D
 Acq On : 5 Dec 2017 4:38
 Operator : SJ/JU
 Sample : IDOC-SOIL-4
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IDOC-SOIL-4

Manual Integrations
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 12/5/2017 3:27:28 PM

Quant Time: Dec 05 06:43:33 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 10 15:38:25 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	60224	20.00	ng	-0.02
21) Naphthalene-d8	10.94	136	270354	20.00	ng	-0.02
38) Acenaphthene-d10	14.75	164	186892	20.00	ng	-0.02
63) Phenanthrene-d10	17.49	188	480678	20.00	ng	-0.02
75) Chrysene-d12	21.77	240	528625	20.00	ng	-0.02
86) Perylene-d12	25.07	264	525497	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.69	112	445788	126.93	ng	-0.02
7) Phenol-d6	7.30	99	598235	126.44	ng	0.00
23) Nitrobenzene-d5	9.30	82	347898	76.25	ng	-0.02
41) 2,4,6-Tribromophenol	16.24	330	300870	99.52	ng	-0.02
44) 2-Fluorobiphenyl	13.37	172	1034690	79.55	ng	-0.02
78) Terphenyl-d14	20.08	244	1886245	78.79	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.53	88	47451	33.29	ng	# 83
3) Pyridine	3.94	79	73711	17.81	ng	87
4) n-Nitrosodimethylamine	3.86	42	68589	34.98	ng	# 91
6) Aniline	7.45	93	140292	22.53	ng	97
8) 2-Chlorophenol	7.69	128	171301	44.20	ng	88
9) Benzaldehyde	7.26	77	62238	18.80	ng	83
10) Phenol	7.32	94	223190	45.42	ng	91
11) bis(2-Chloroethyl)ether	7.54	93	150195	38.28	ng	89
12) 1,3-Dichlorobenzene	8.02	146	179737	39.53	ng	96
13) 1,4-Dichlorobenzene	8.16	146	182211	39.54	ng	94
14) 1,2-Dichlorobenzene	8.48	146	173985	39.34	ng	98
15) Benzyl Alcohol	8.37	79	142554	37.56	ng	92
16) 2,2'-oxybis(1-Chloropropan	8.65	45	223911	51.67	ng	91
17) 2-Methylphenol	8.57	107	147650	43.15	ng	96
18) Hexachloroethane	9.21	117	62366	38.89	ng	92
19) n-Nitroso-di-n-propylamine	8.93	70	125558	34.90	ng	# 94
20) 3+4-Methylphenols	8.91	107	204683	42.07	ng	95
22) Acetophenone	8.95	105	240088	35.67	ng	# 92
24) Nitrobenzene	9.34	77	184288	39.54	ng	89
25) Isophorone	9.86	82	356276	40.04	ng	# 91
26) 2-Nitrophenol	10.06	139	103880	42.76	ng	# 88
27) 2,4-Dimethylphenol	10.11	122	169957	47.13	ng	92
28) bis(2-Chloroethoxy)methane	10.34	93	222949	39.78	ng	98
29) 2,4-Dichlorophenol	10.60	162	198468	45.83	ng	91
30) 1,2,4-Trichlorobenzene	10.80	180	211922	40.99	ng	94
31) Naphthalene	10.99	128	531963	40.03	ng	98
32) Benzoic acid	10.23	122	21437	11.96	ng	# 82
33) 4-Chloroaniline	11.11	127	100541	17.28	ng	94
34) Hexachlorobutadiene	11.27	225	134777	37.59	ng	96
35) Caprolactam	11.88	113	61673m	34.86	ng	
36) 4-Chloro-3-methylphenol	12.23	107	197528	41.91	ng	# 85
37) 2-Methylnaphthalene	12.59	142	426743	41.59	ng	93
39) 1,2,4,5-Tetrachlorobenzene	12.95	216	263195	35.48	ng	96
40) Hexachlorocyclopentadiene	12.93	237	221064	80.50	ng	92

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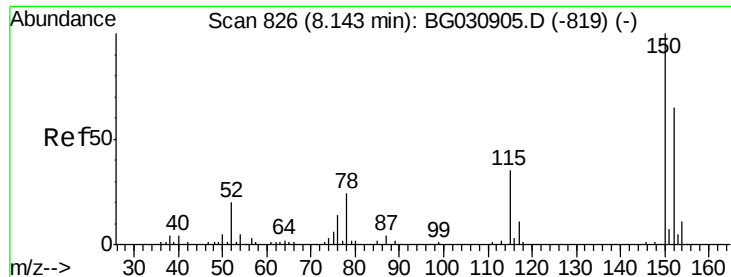
Manual Integrations
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 12/5/2017 3:27:28 PM

Quant Time: Dec 05 06:43:33 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.19	196	175428	41.37	nq	99
43) 2,4,5-Trichlorophenol	13.28	196	190127	40.98	nq	93
45) 1,1'-Biphenyl	13.59	154	564149	36.40	nq	97
46) 2-Chloronaphthalene	13.63	162	466681	41.74	nq	95
47) 2-Nitroaniline	13.84	65	127544	38.48	nq	# 77
48) Acenaphthylene	14.47	152	718744	39.27	nq	99
49) Dimethylphthalate	14.20	163	714434	44.21	nq	99
50) 2,6-Dinitrotoluene	14.33	165	143233	43.00	nq	# 74
51) Acenaphthene	14.81	154	442126	38.68	nq	98
52) 3-Nitroaniline	14.66	138	92188	26.07	nq	# 80
53) 2,4-Dinitrophenol	14.88	184	129222	71.22	nq	# 48
54) Dibenzofuran	15.15	168	742920	40.81	nq	99
55) 4-Nitrophenol	14.98	139	201433	79.96	nq	# 80
56) 2,4-Dinitrotoluene	15.12	165	210581	43.73	nq	# 72
57) Fluorene	15.80	166	591759	40.04	nq	96
58) 2,3,4,6-Tetrachlorophenol	15.38	232	193909	43.85	nq	# 89
59) Diethylphthalate	15.55	149	623863	38.01	nq	97
60) 4-Chlorophenyl-phenylether	15.78	204	356934	39.99	nq	92
61) 4-Nitroaniline	15.82	138	150926	40.30	nq	87
62) Azobenzene	16.07	77	500010	39.94	nq	92
64) 4,6-Dinitro-2-methylphenol	15.89	198	111218	34.81	nq	# 73
65) n-Nitrosodiphenylamine	16.00	169	562726	38.63	nq	99
66) 4-Bromophenyl-phenylether	16.67	248	237242	38.97	nq	98
67) Hexachlorobenzene	16.81	284	239828	37.07	nq	93
68) Atrazine	16.94	200	234819	39.07	nq	97
69) Pentachlorophenol	17.15	266	241292	67.48	nq	99
70) Phenanthrene	17.53	178	1010872	40.39	nq	99
71) Anthracene	17.62	178	1048021	41.79	nq	99
72) Carbazole	17.89	167	953506	40.58	nq	99
73) Di-n-butylphthalate	18.43	149	1112964	38.58	nq	99
74) Fluoranthene	19.54	202	1332003	42.03	nq	98
76) Benzidine	19.71	184	254350	14.98	nq	97
77) Pyrene	19.90	202	1353516	43.15	nq	97
79) Butylbenzylphthalate	20.76	149	521102	41.66	nq	# 84
80) Benzo(a)anthracene	21.75	228	1341302	40.85	nq	99
81) 3,3'-Dichlorobenzidine	21.65	252	323870	24.43	nq	97
82) Chrysene	21.81	228	1260347	41.49	nq	97
83) Bis(2-ethylhexyl)phthalate	21.62	149	727044	40.27	nq	99
84) Di-n-octyl phthalate	22.85	149	1223782	41.65	nq	# 93
85) Indeno(1,2,3-cd)pyrene	28.85	276	1467557	39.74	nq	98
87) Benzo(b)fluoranthene	24.02	252	1331767	41.90	nq	98
88) Benzo(k)fluoranthene	24.09	252	1274898	40.46	nq	97
89) Benzo(a)pyrene	24.91	252	1286400	42.60	nq	99
90) Dibenzo(a,h)anthracene	28.91	278	1219466	39.51	nq	98
91) Benzo(g,h,i)perylene	30.05	276	1207372	40.30	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.13 min Scan# 824

Delta R.T. -0.02 min

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Acq: 5 Dec 2017 4:38

Instrument :

BNA_G

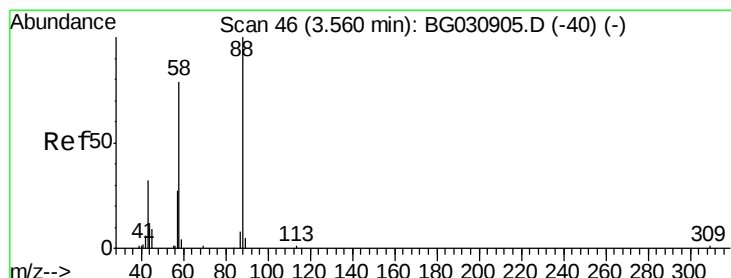
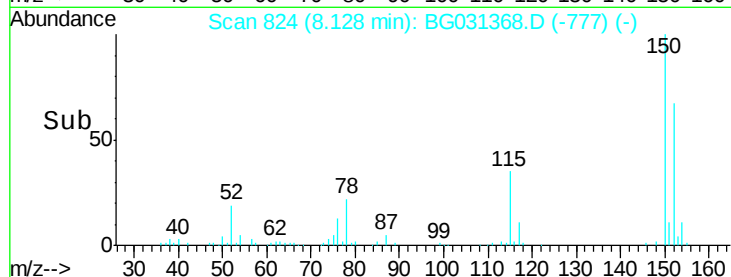
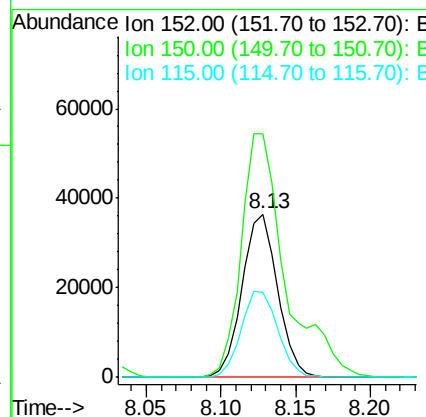
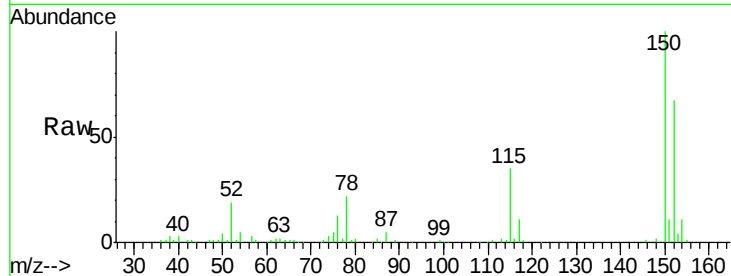
ClientSampleId :

IDOC-SOIL-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.8	126.6	189.8
115	51.6	53.0	79.4

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#2

1,4-Dioxane

Concen: 33.29 ng

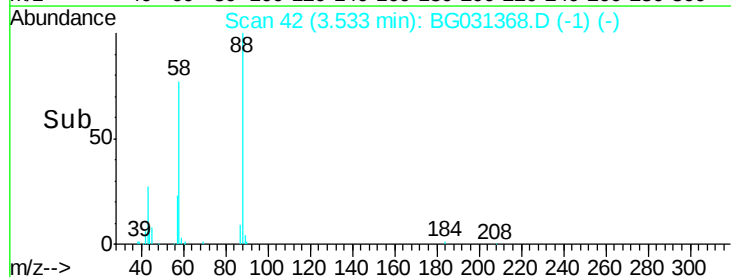
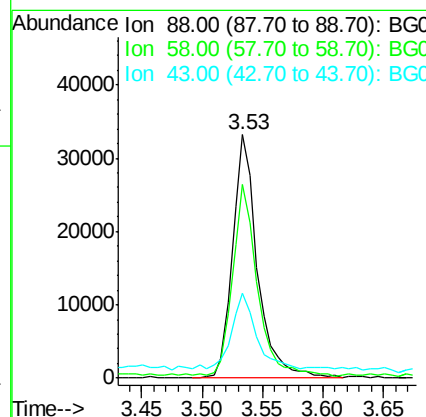
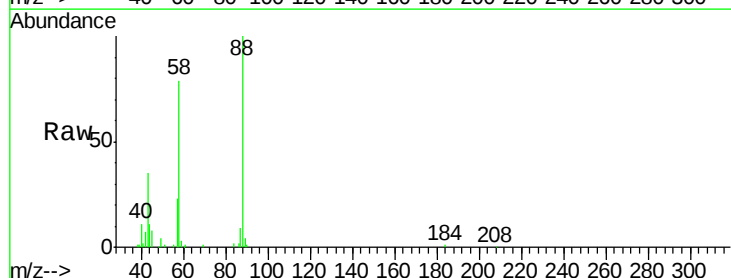
RT: 3.53 min Scan# 42

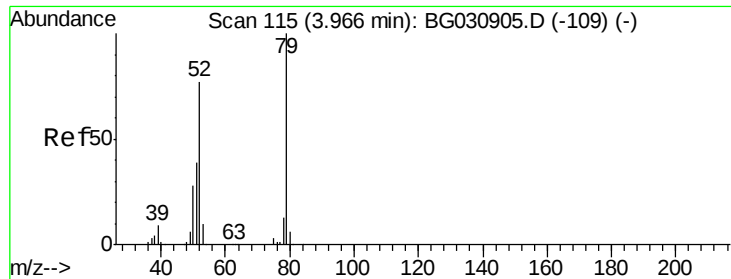
Delta R.T. -0.04 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Lower	Upper
88	100		
58	78.9	79.6	119.4
43	30.8	27.4	41.0





#3

Pvridine

Concen: 17.81 ng

RT: 3.94 min Scan# 112

Delta R.T. -0.03 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Instrument :

BNA_G

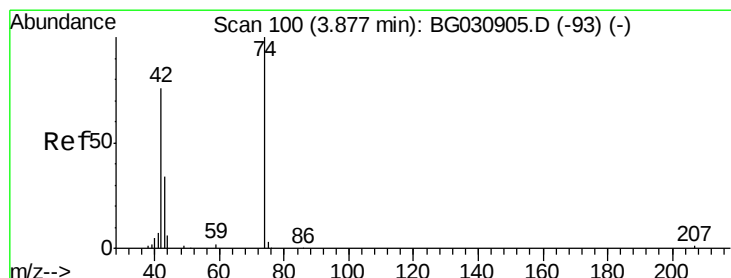
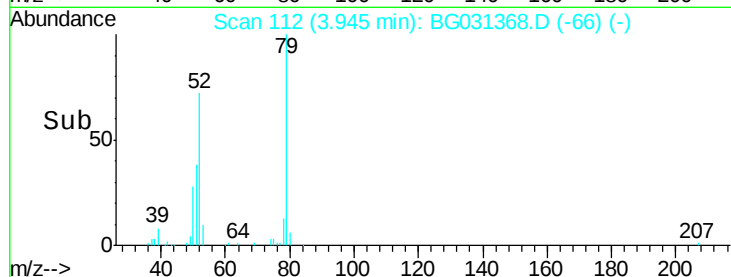
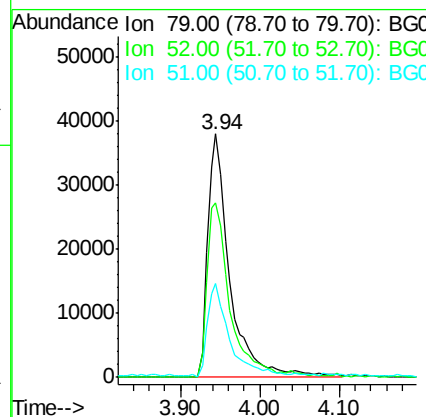
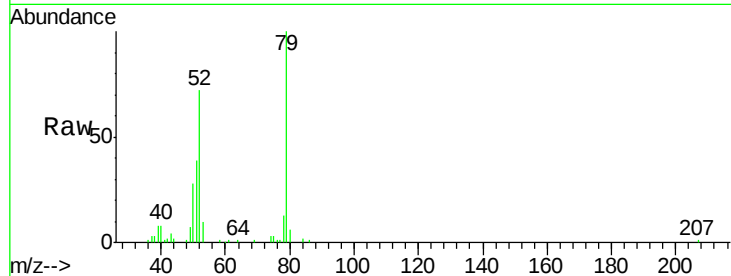
ClientSampleId :

IDOC-SOIL-4

Tot Ion:	79	Resp:	73711
Ion Ratio	Lower	Upper	
79	100		
52	71.9	69.9	104.9
51	38.6	34.0	51.0

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#4

n-Nitrosodimethylamine

Concen: 34.98 ng

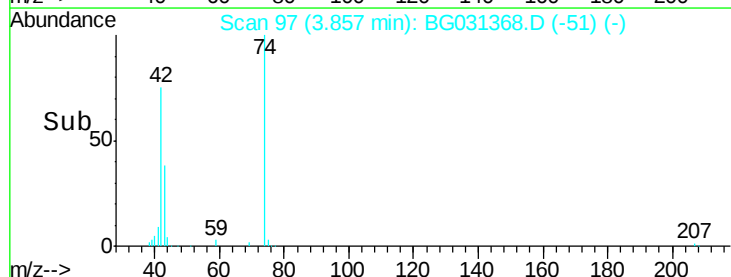
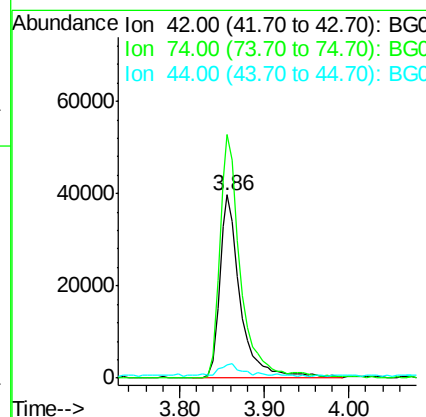
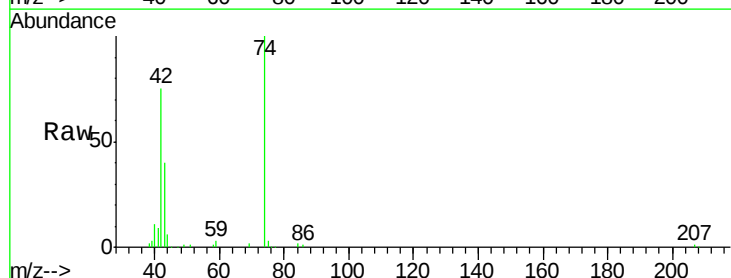
RT: 3.86 min Scan# 97

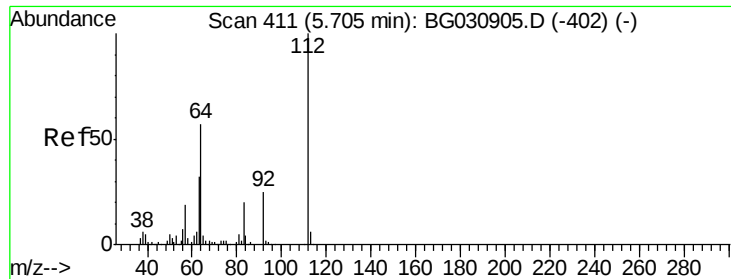
Delta R.T. -0.03 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Tgt Ion:	42	Resp:	68589
Ion Ratio	Lower	Upper	
42	100		
74	133.2	102.5	153.7
44	7.4	18.9	28.3#





#5

2-Fluorophenol

Concen: 126.93 ng

RT: 5.69 min Scan# 409

Delta R.T. -0.02 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Instrument :

BNA_G

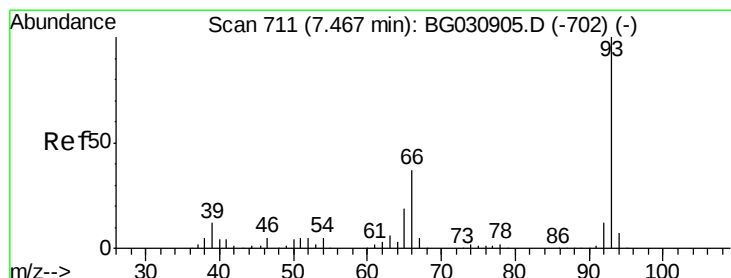
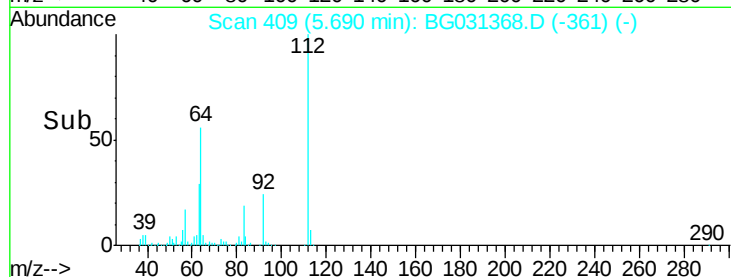
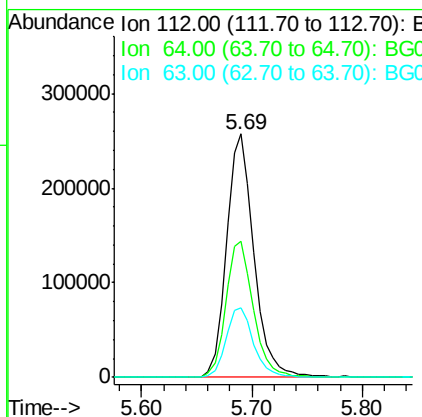
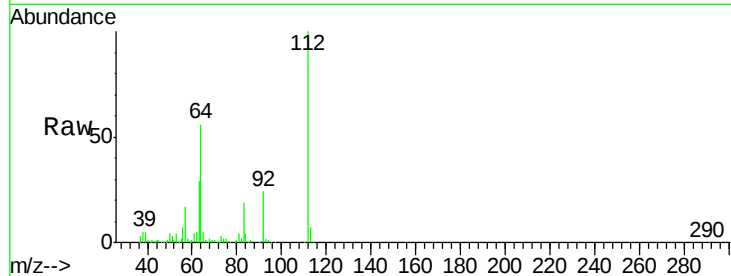
ClientSampleId :

IDOC-SOIL-4

Tot Ion:	112	Resp:	445788
Ion Ratio	Lower	Upper	
112	100		
64	56.0	56.3	84.5#
63	28.6	30.1	45.1#

Manual Integrations
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#6

Aniline

Concen: 22.53 ng

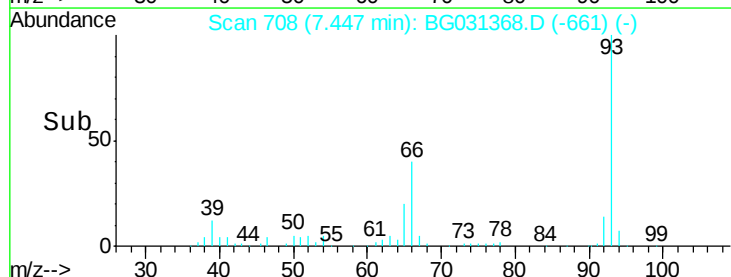
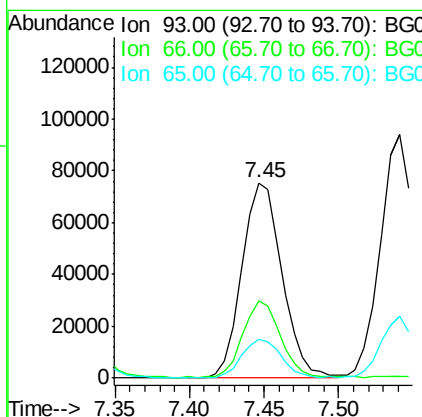
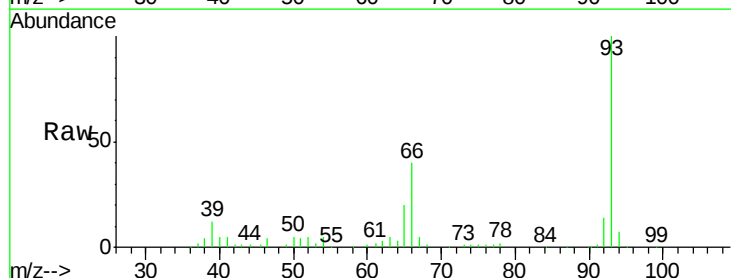
RT: 7.45 min Scan# 708

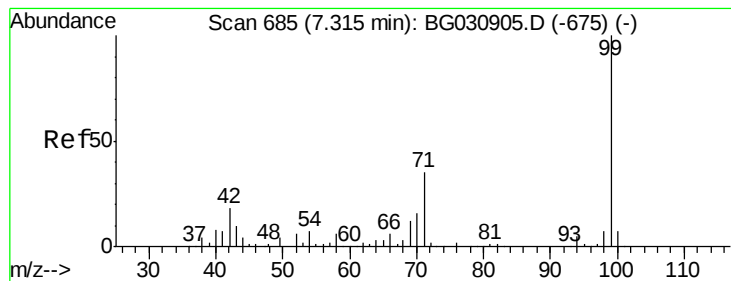
Delta R.T. -0.02 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Tgt Ion:	93	Resp:	140292
Ion Ratio	Lower	Upper	
93	100		
66	39.6	33.7	50.5
65	19.8	16.1	24.1





#7

Phenol-d6

Concen: 126.44 ng

RT: 7.30 min Scan# 683

Delta R.T. -0.01 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Instrument :

BNA_G

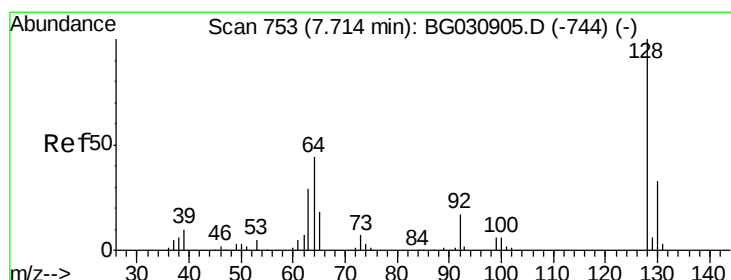
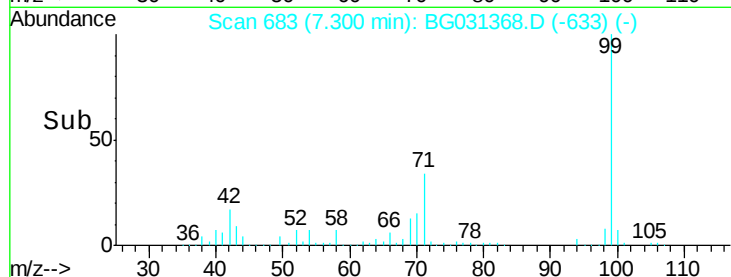
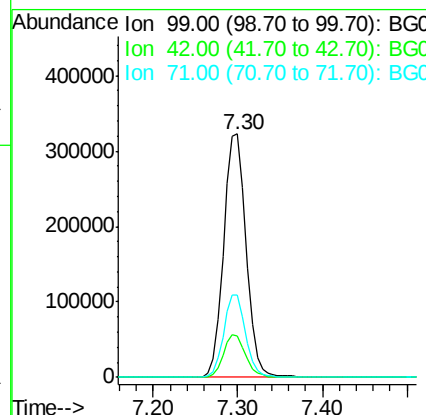
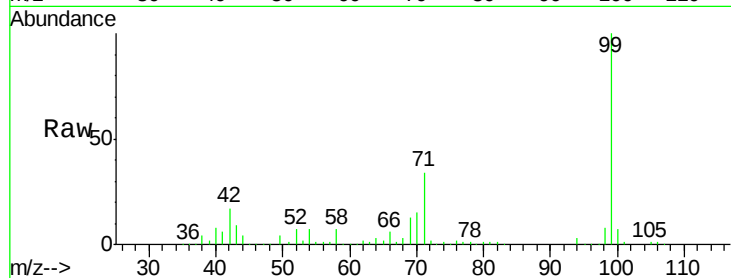
ClientSampleId :

IDOC-SOIL-4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		598235		
42	17.1	14.1	21.1		
71	33.8	26.1	39.1		

Manual Integrations
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#8

2-Chlorophenol

Concen: 44.20 ng

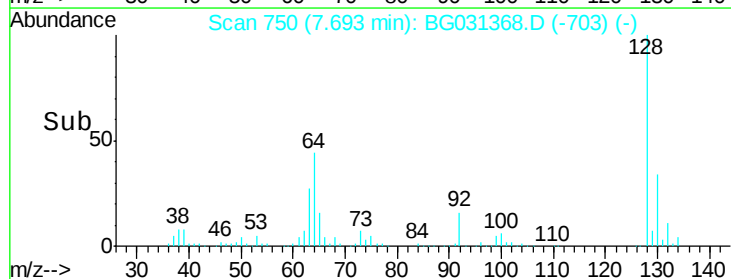
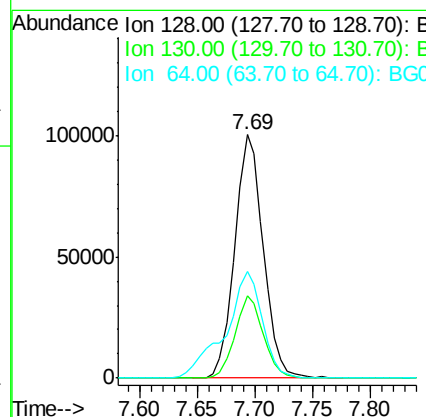
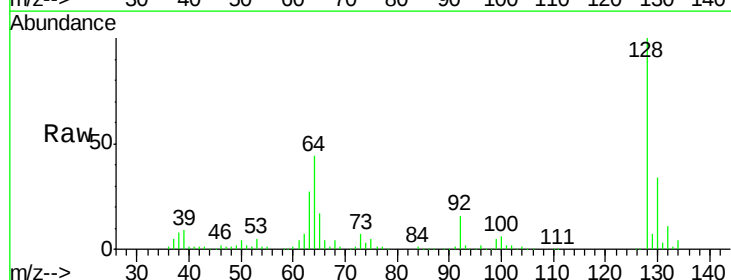
RT: 7.69 min Scan# 750

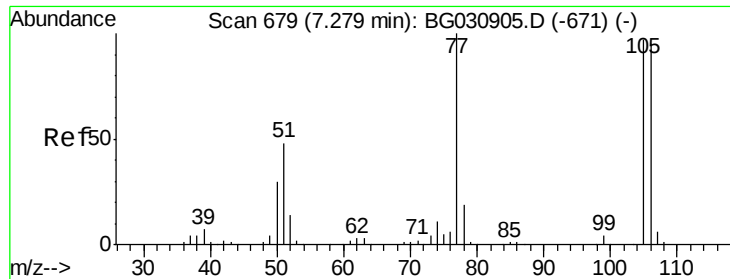
Delta R.T. -0.02 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		171301		
130	33.6	14.0	54.0		
64	43.7	37.7	77.7		





#9

Benzaldehyde

Concen: 18.80 ng

RT: 7.26 min Scan# 677

Delta R.T. -0.02 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Instrument :

BNA_G

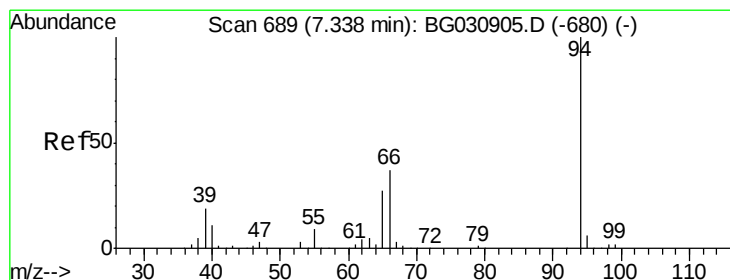
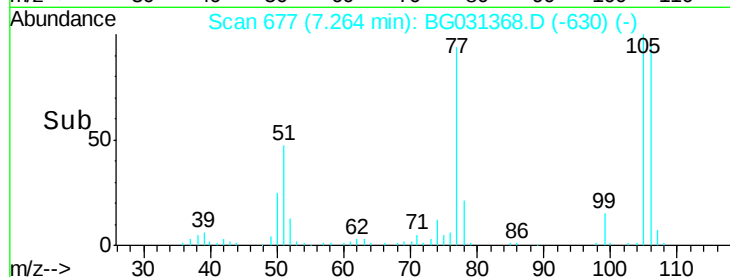
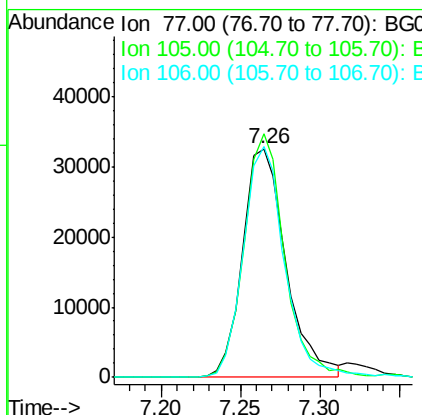
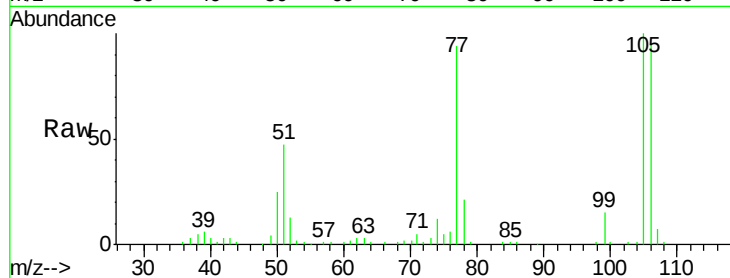
ClientSampleId :

IDOC-SOIL-4

Tot Ion:	77	Resp:	62238
Ion	Ratio	Lower	Upper
77	100		
105	106.7	71.3	111.3
106	101.0	64.2	104.2

Manual Integrations
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#10

Phenol

Concen: 45.42 ng

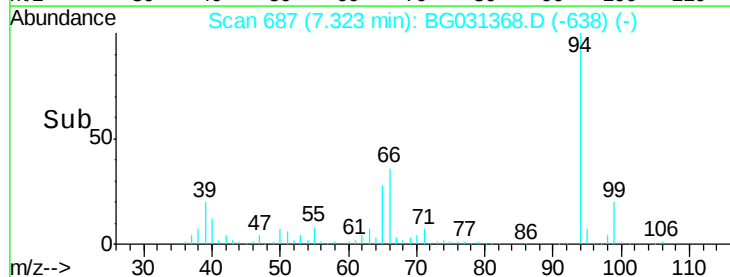
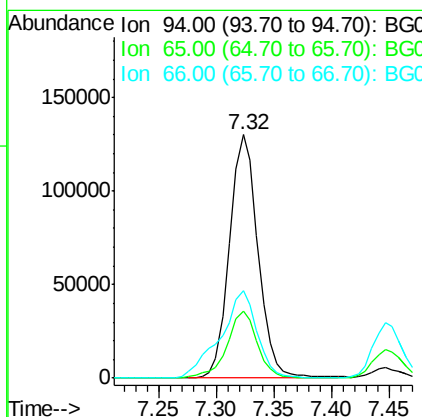
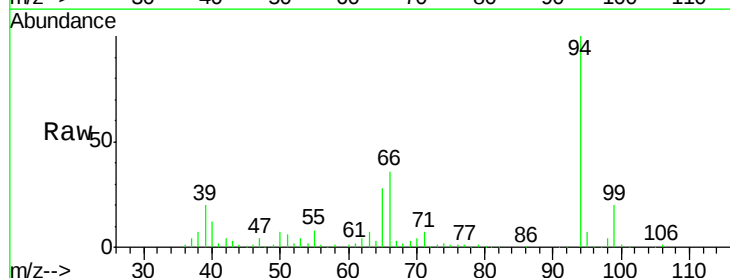
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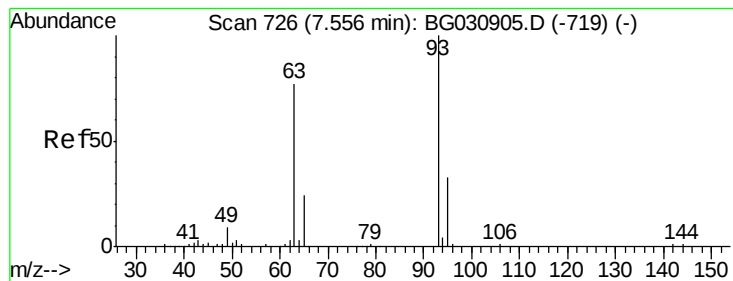
Delta R.T. -0.01 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Tgt Ion:	94	Resp:	223190
Ion	Ratio	Lower	Upper
94	100		
65	27.6	11.9	51.9
66	36.0	22.2	62.2





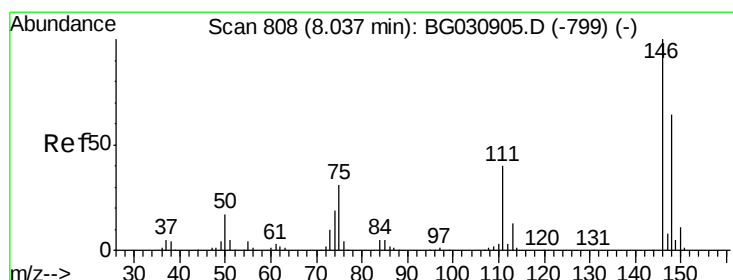
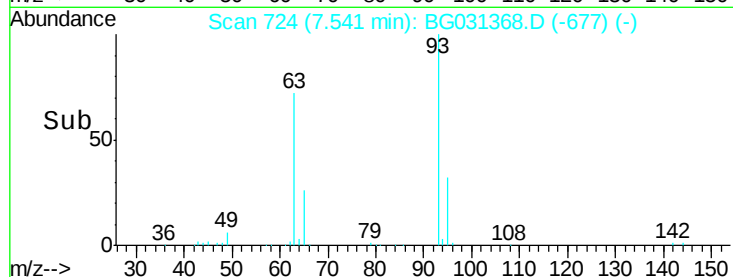
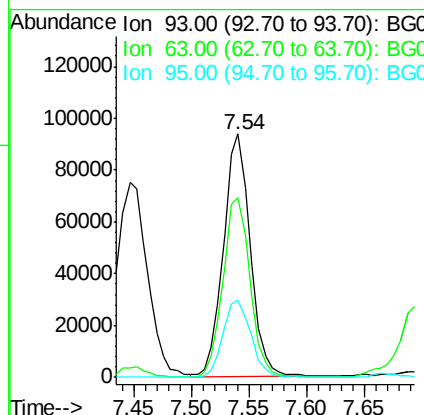
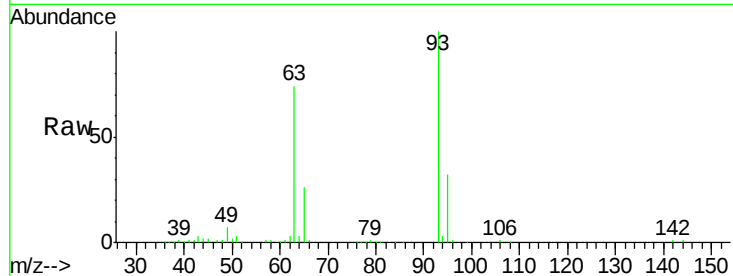
#11
bis(2-Chloroethyl)ether
Concen: 38.28 ng
RT: 7.54 min Scan# 724
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Instrument :
BNA_G
ClientSampleId :
IDOC-SOIL-4

Tot Ion	Ratio	Lower	Upper
93	100		
63	73.6	67.1	107.1
95	31.7	11.5	51.5

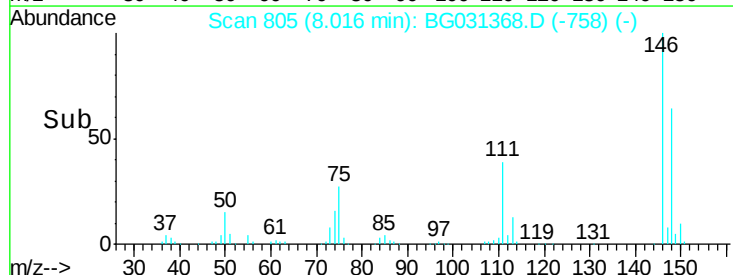
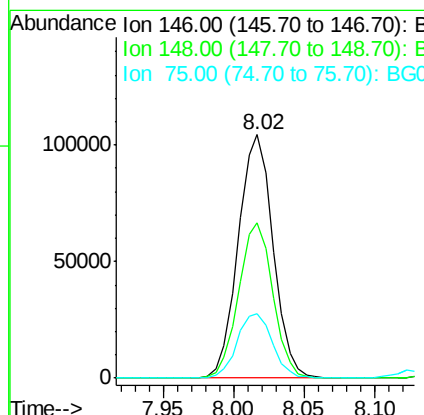
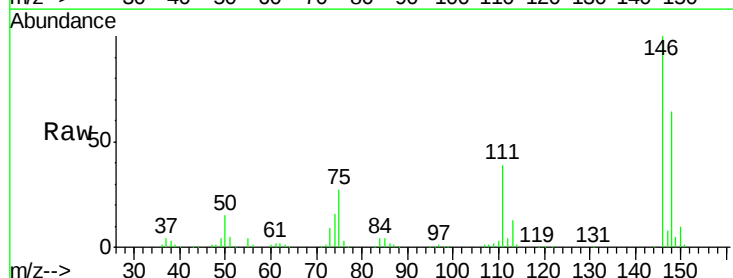
Manual Integrations
APPROVED

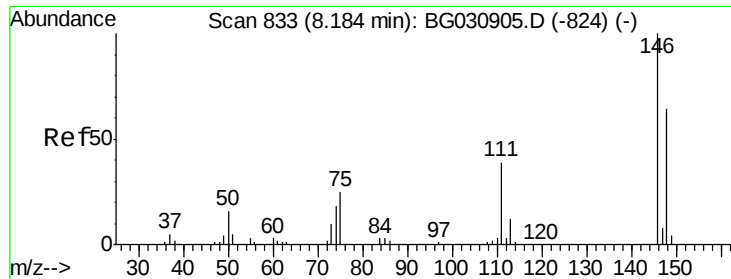
Sohil
12/5/2017 3:27:28 PM



#12
1,3-Dichlorobenzene
Concen: 39.53 ng
RT: 8.02 min Scan# 805
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.2
75	26.6	26.6	39.8





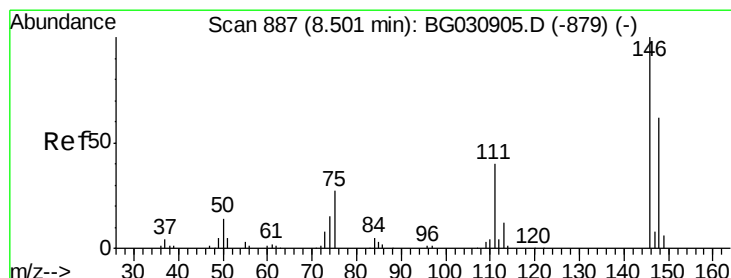
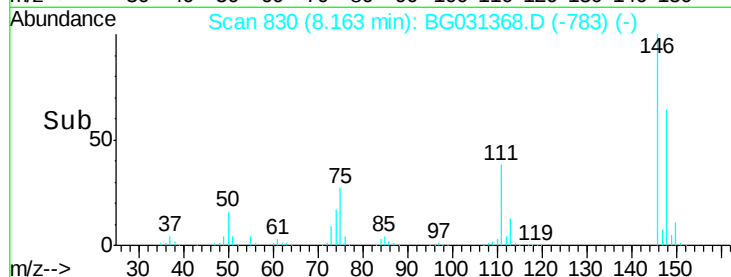
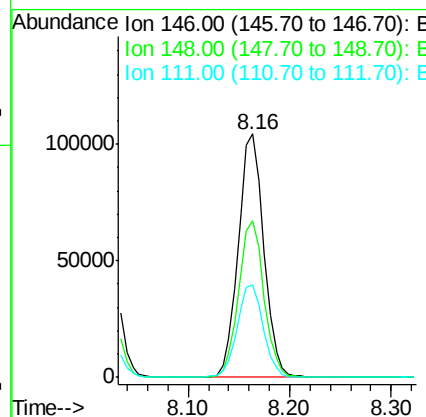
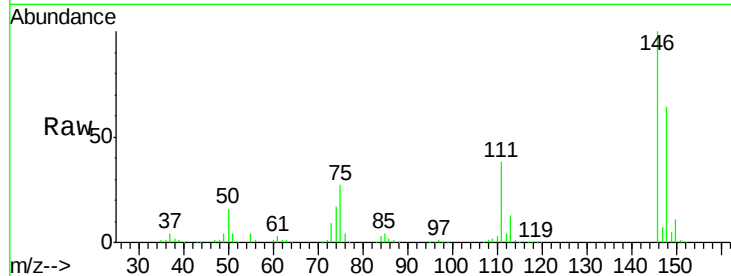
#13
1,4-Dichlorobenzene
Concen: 39.54 ng
RT: 8.16 min Scan# 830
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Instrument :
BNA_G
ClientSampleId :
IDOC-SOIL-4

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.2	53.7	80.5
111	38.0	35.2	52.8

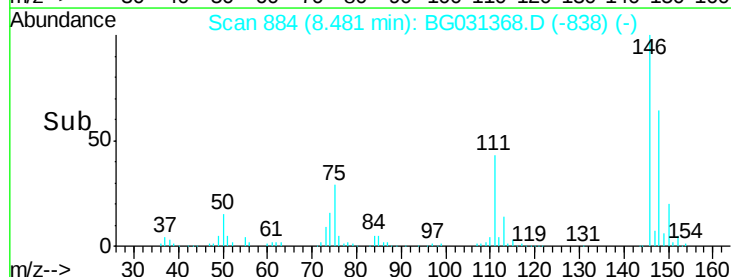
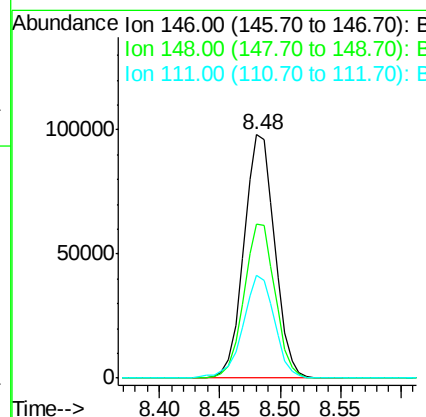
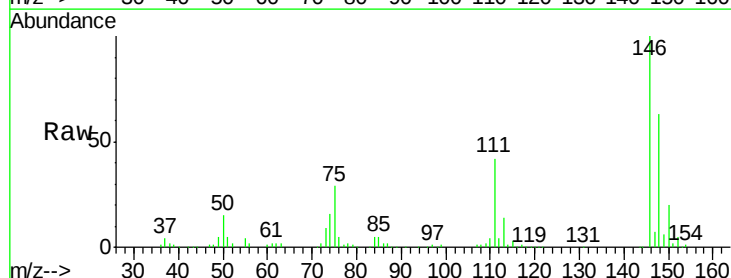
Manual Integrations
APPROVED

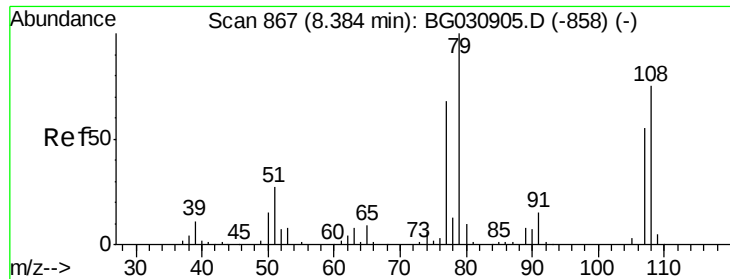
Sohil
12/5/2017 3:27:28 PM



#14
1,2-Dichlorobenzene
Concen: 39.34 ng
RT: 8.48 min Scan# 884
Delta R.T. -0.03 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.4	49.3	73.9
111	42.5	34.3	51.5





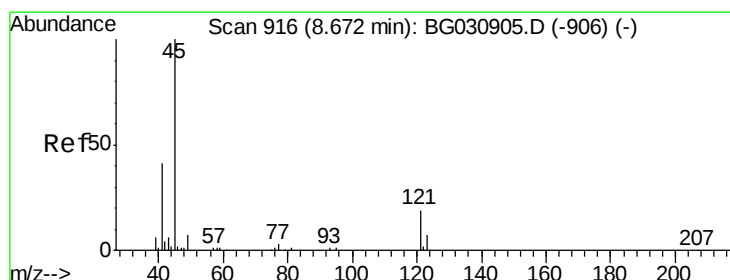
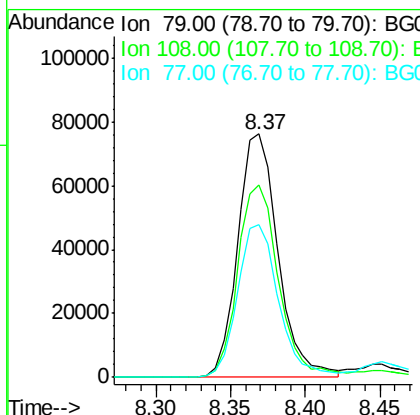
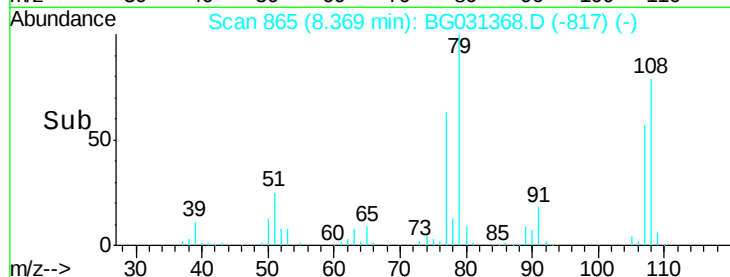
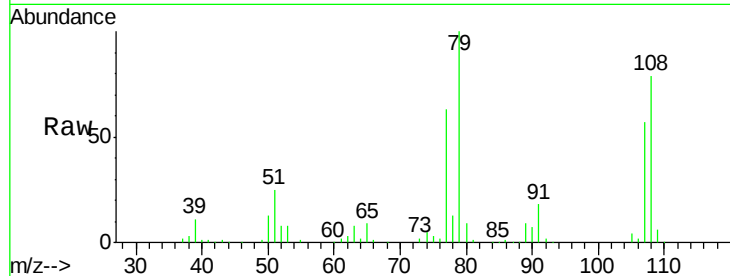
#15
Benzyl Alcohol
Concen: 37.56 ng
RT: 8.37 min Scan# 865
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Instrument :
BNA_G
ClientSampled :
IDOC-SOIL-4

Tot Ion	Ratio	Lower	Upper
79	100		
108	79.3	57.2	85.8
77	62.8	46.1	69.1

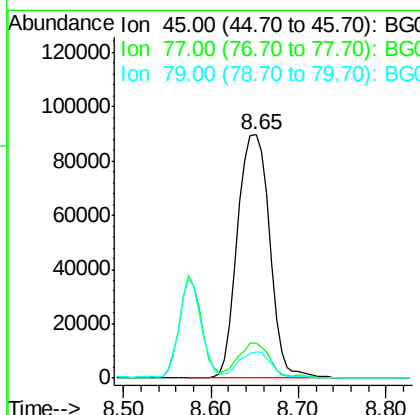
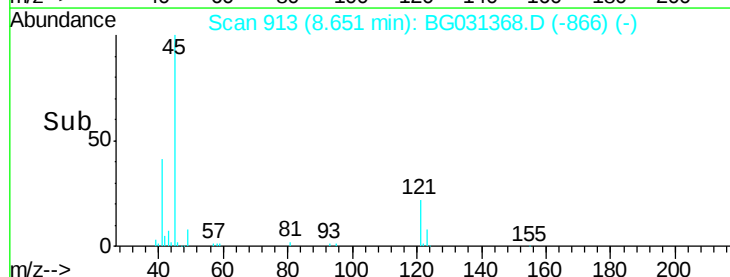
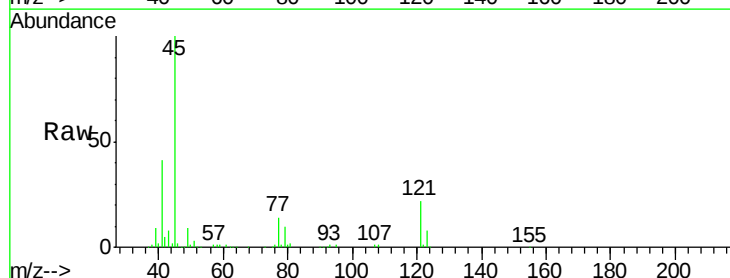
Manual Integrations
APPROVED

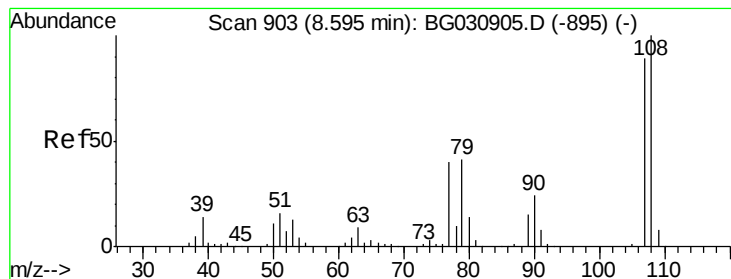
Sohil
12/5/2017 3:27:28 PM



#16
2,2'-oxybis(1-chloropropane)
Concen: 51.67 ng
RT: 8.65 min Scan# 913
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.2	0.0	30.2
79	10.4	0.0	27.9





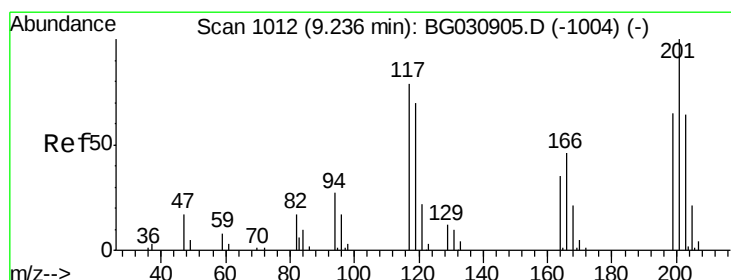
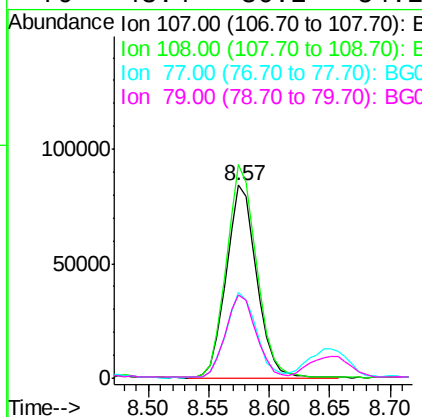
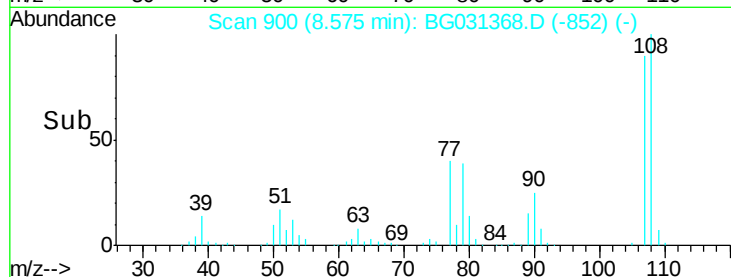
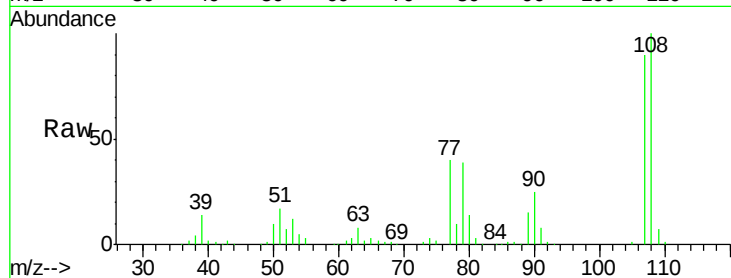
#17
2-Methylphenol
Concen: 43.15 ng
RT: 8.57 min Scan# 900
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Instrument :
BNA_G
ClientSampled :
IDOC-SOIL-4

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	110.6	83.9	125.9	
77	44.8	37.2	55.8	
79	43.4	36.2	54.2	

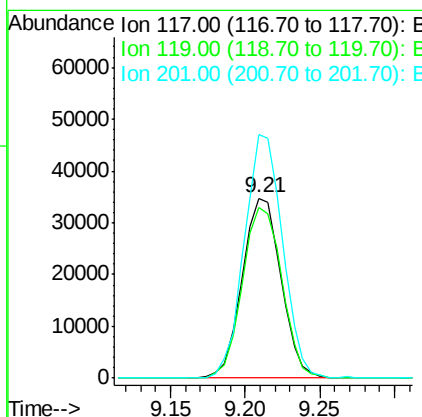
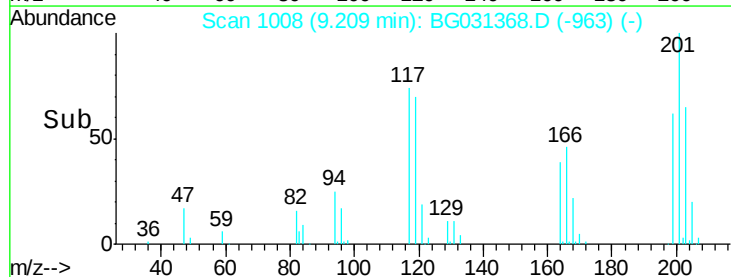
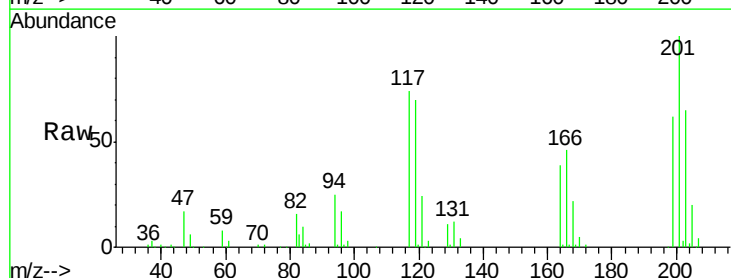
Manual Integrations
APPROVED

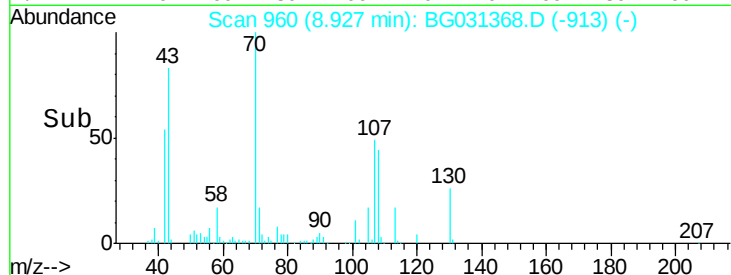
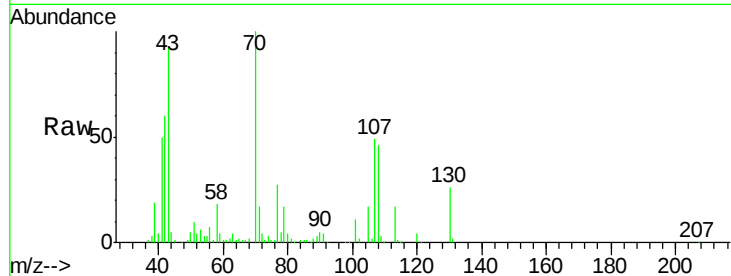
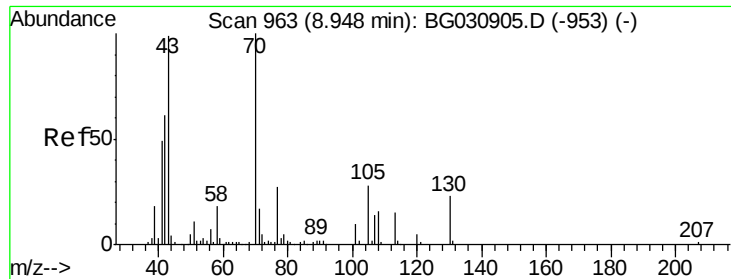
Sohil
12/5/2017 3:27:28 PM



#18
Hexachloroethane
Concen: 38.89 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.04 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.1	76.7	115.1	
201	135.3	95.7	143.5	





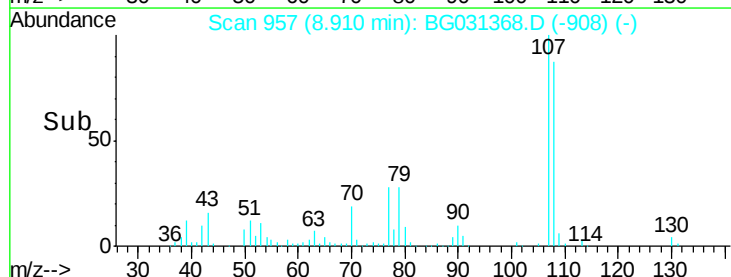
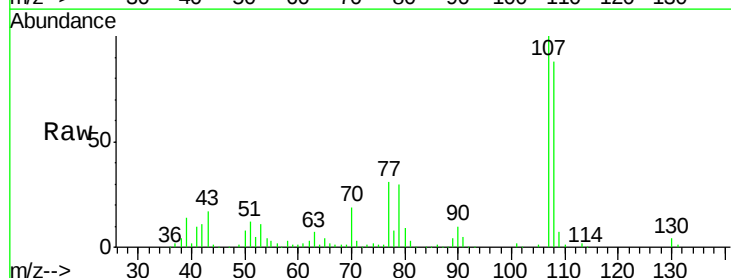
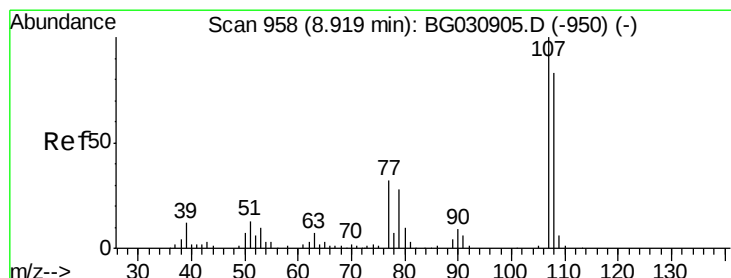
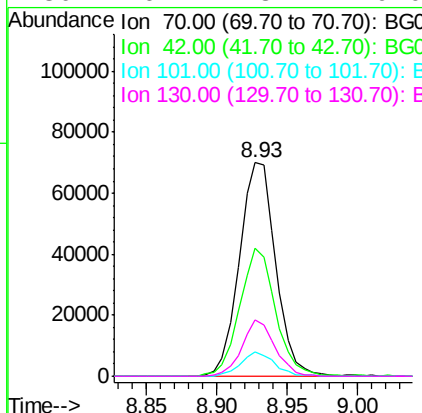
#19
n-Nitroso-di-n-propylamine
Concen: 34.90 ng
RT: 8.93 min Scan# 960
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Instrument :
BNA_G
ClientSampleId :
IDOC-SOIL-4

Tot Ion	Ratio	Lower	Upper
70	100		
42	59.7	49.1	73.7
101	11.2	8.5	12.7
130	26.4	13.4	20.0

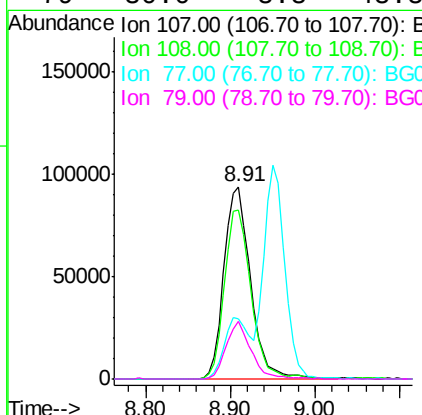
Manual Integrations
APPROVED

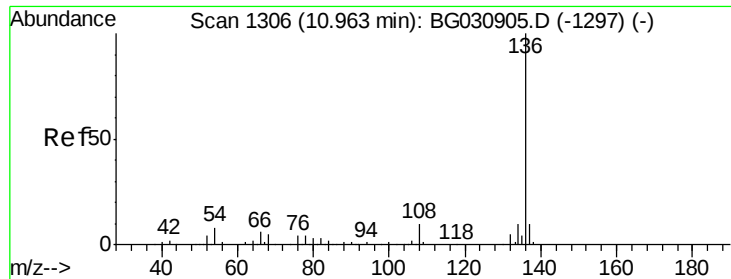
Sohil
12/5/2017 3:27:28 PM



#20
3+4-Methylphenols
Concen: 42.07 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.01 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.8	61.6	101.6
77	31.2	13.9	53.9
79	30.0	8.8	48.8





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.94 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Instrument :

BNA_G

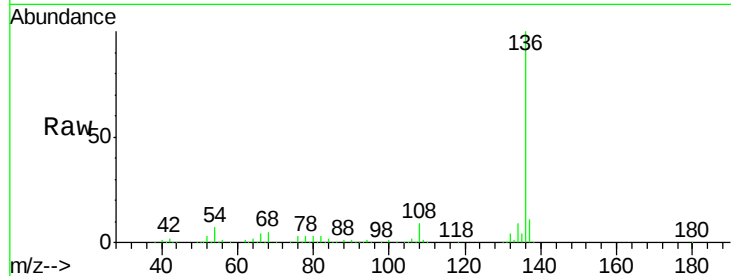
ClientSampleId :

IDOC-SOIL-4

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	9.2	13.8	
54	6.9	10.3	15.5	
68	5.5	4.5	6.7	

Manual Integrations
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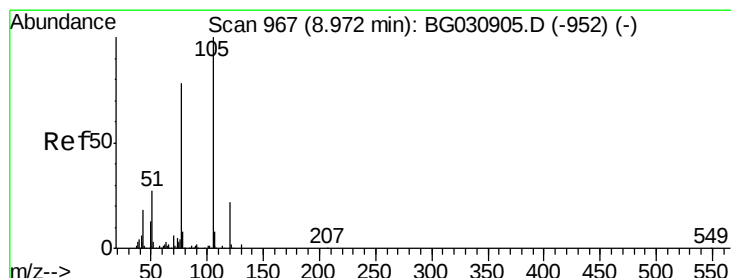
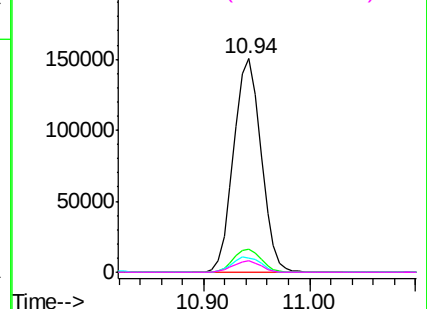
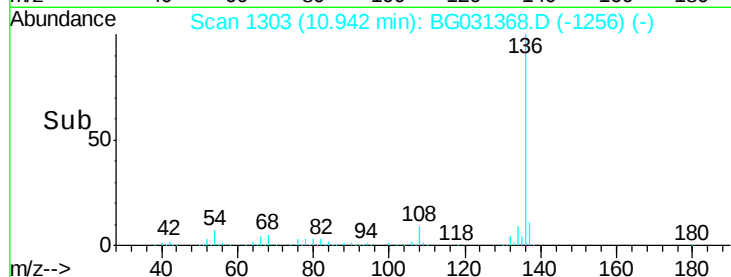


Abundance Ion 136.00 (135.70 to 136.70): E

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: 35.67 ng

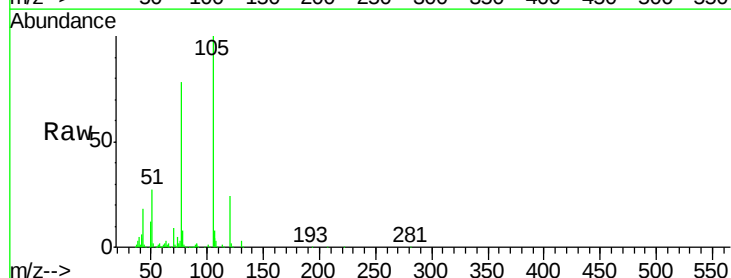
RT: 8.95 min Scan# 964

Delta R.T. -0.02 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	1.4	3.0	4.4	
51	26.9	26.1	39.1	
120	24.1	17.4	26.2	

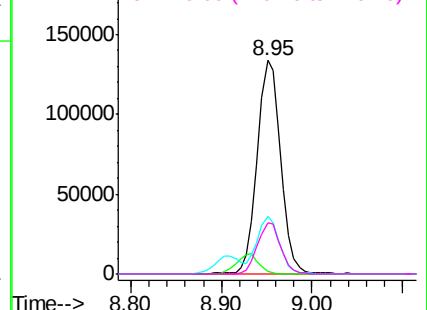
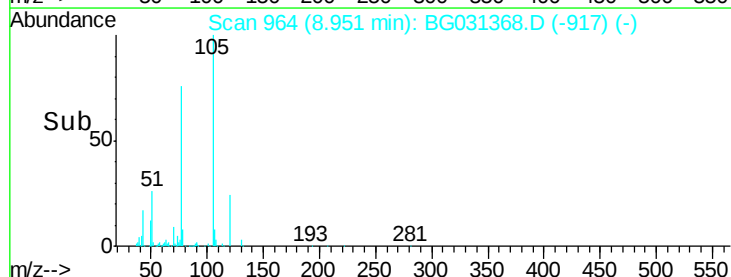


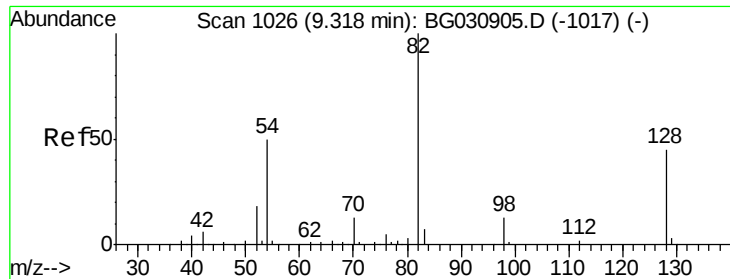
Abundance Ion 105.00 (104.70 to 105.70): E

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





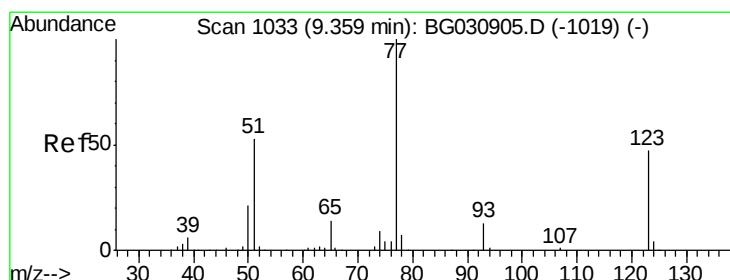
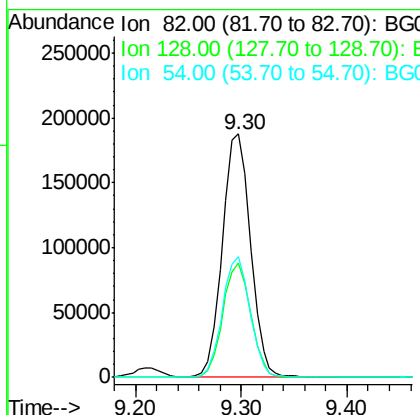
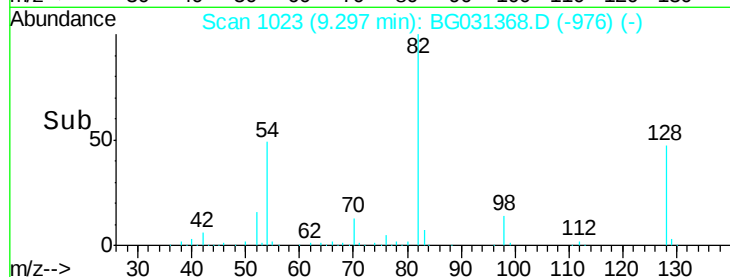
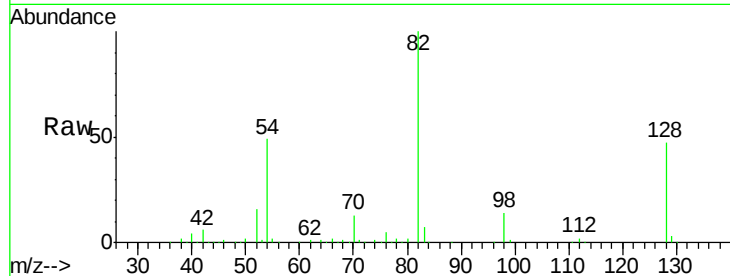
#23
 Nitrobenzene-d5
 Concen: 76.25 ng
 RT: 9.30 min Scan# 1023
 Delta R.T. -0.02 min
 Lab File: BG031368.D
 Acq: 5 Dec 2017 4:38

Instrument :
 BNA_G
 ClientSampleId :
 IDOC-SOIL-4

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.9	29.7	44.5	
54	49.4	43.1	64.7	

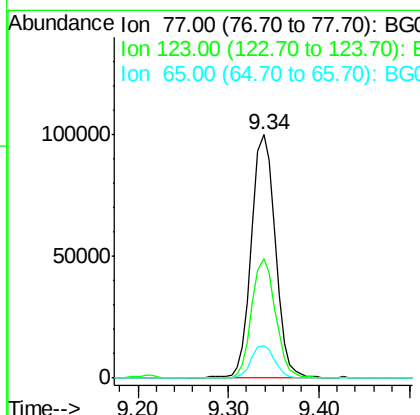
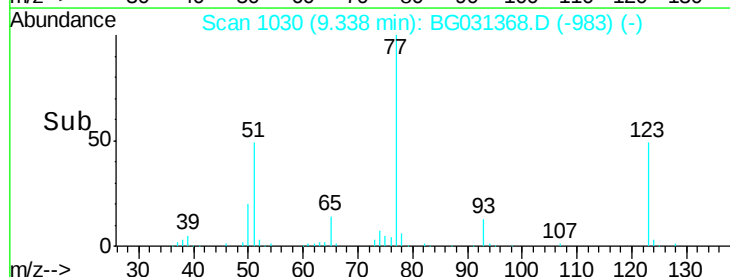
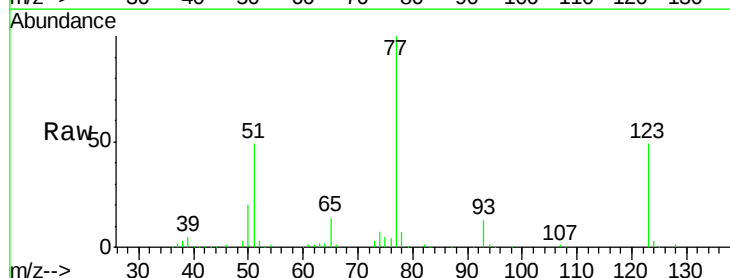
Manual Integrations
 APPROVED

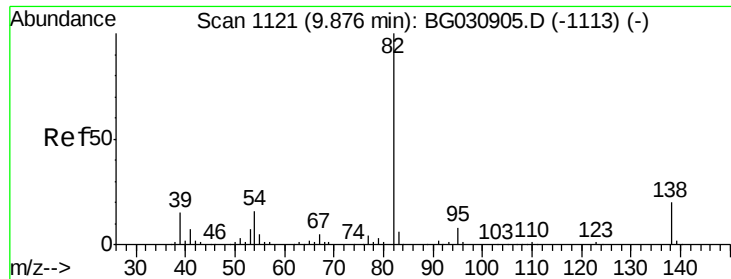
Sohil
 12/5/2017 3:27:28 PM



#24
 Nitrobenzene
 Concen: 39.54 ng
 RT: 9.34 min Scan# 1030
 Delta R.T. -0.02 min
 Lab File: BG031368.D
 Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	48.9	33.0	49.6	
65	13.5	13.0	19.6	





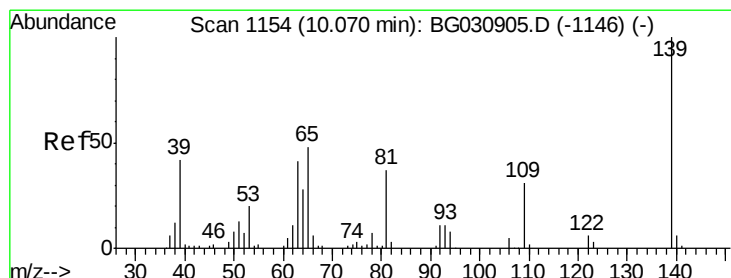
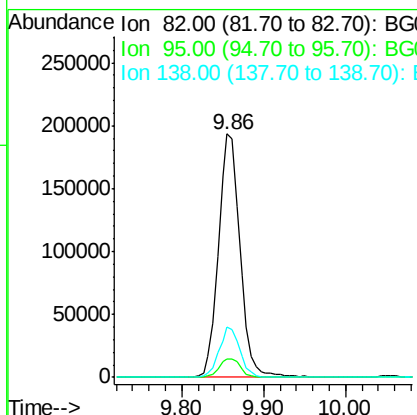
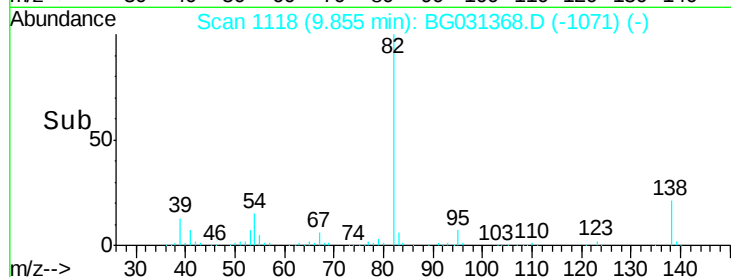
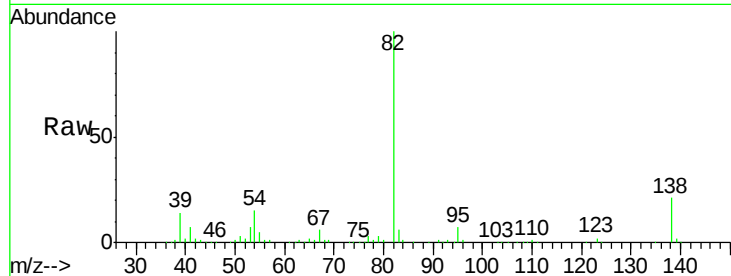
#25
Isophorone
Concen: 40.04 ng
RT: 9.86 min Scan# 1118
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Instrument :
BNA_G
ClientSampleId :
IDOC-SOIL-4

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	7.5	6.2	9.2	
138	20.7	12.1	18.1	

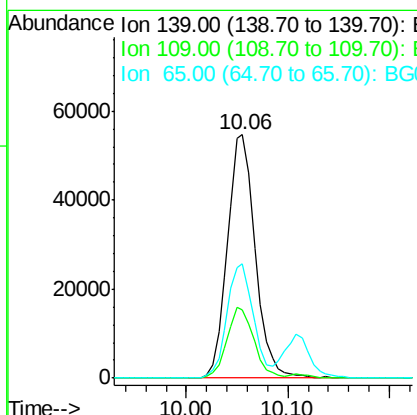
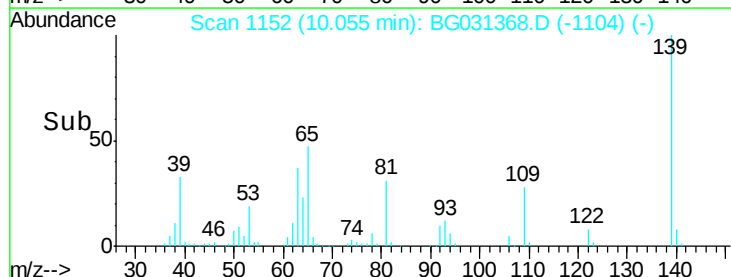
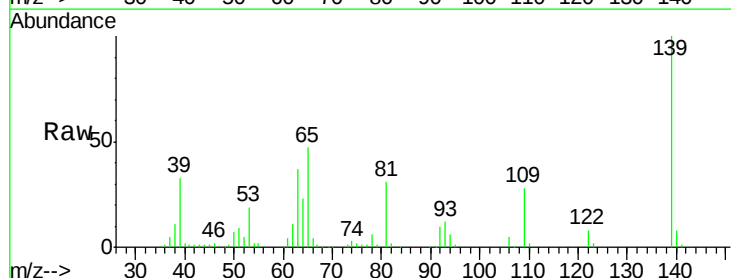
Manual Integrations
APPROVED

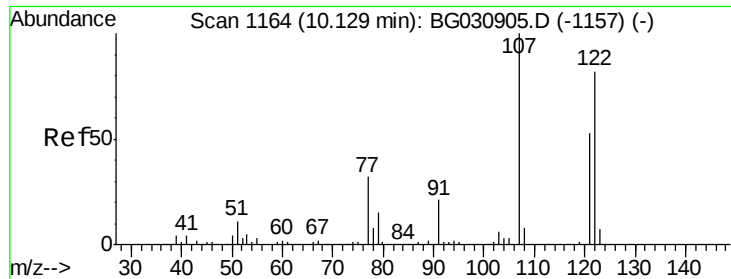
Sohil
12/5/2017 3:27:28 PM



#26
2-Nitrophenol
Concen: 42.76 ng
RT: 10.06 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	28.2	24.2	36.2	
65	46.9	47.4	71.0	





#27

2,4-Dimethylphenol

Concen: 47.13 ng

RT: 10.11 min Scan# 1161

Delta R.T. -0.02 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Instrument :

BNA_G

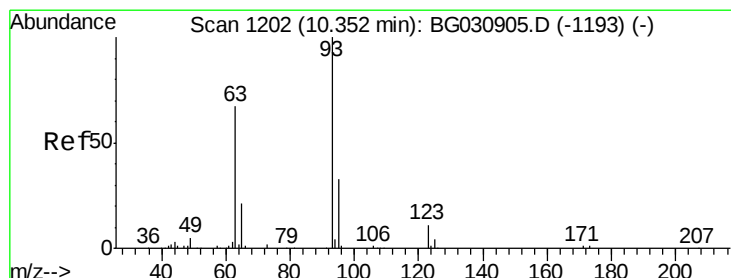
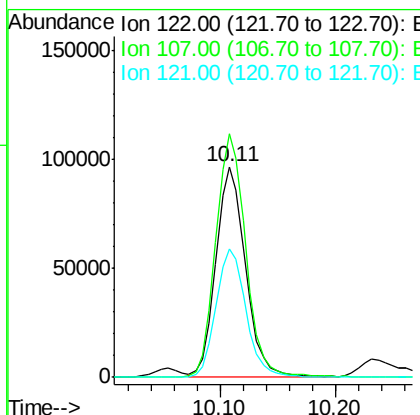
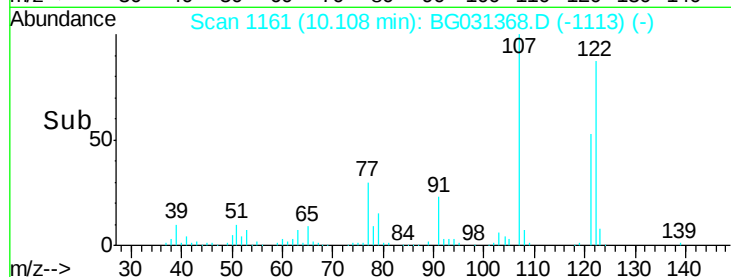
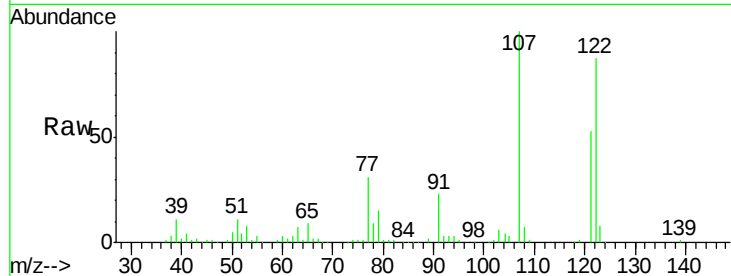
ClientSampled :

IDOC-SOIL-4

Tot Ion:	122	Resp:	169957
Ion Ratio	Lower	Upper	
122	100		
107	115.4	100.2	150.2
121	60.7	44.4	66.6

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#28

bis(2-Chloroethoxy)methane

Concen: 39.78 ng

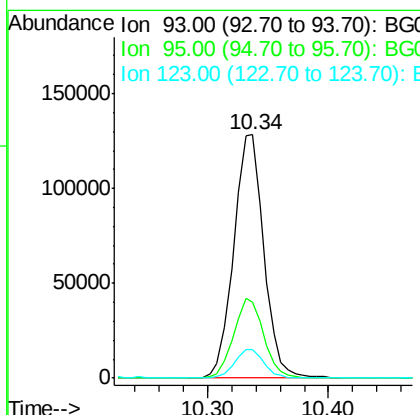
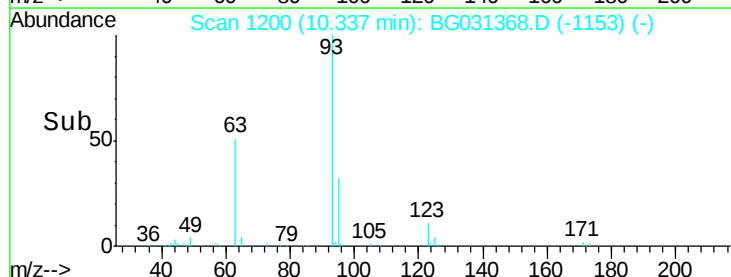
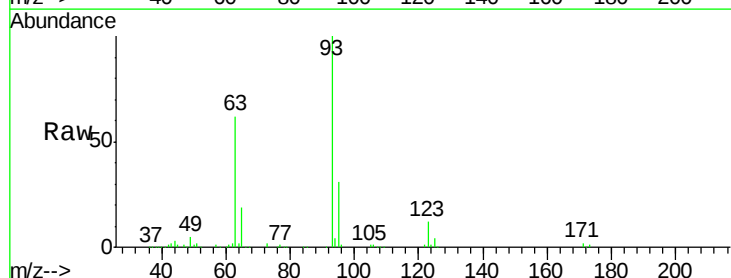
RT: 10.34 min Scan# 1200

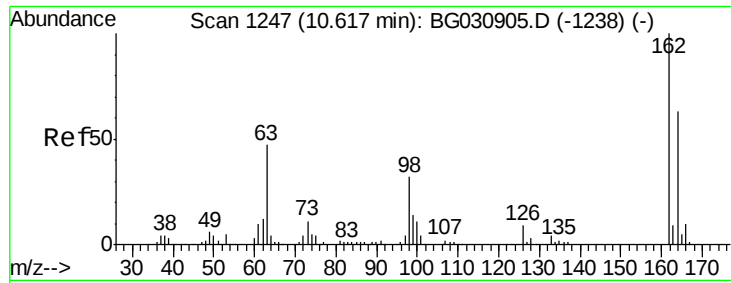
Delta R.T. -0.02 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Tgt Ion:	93	Resp:	222949
Ion Ratio	Lower	Upper	
93	100		
95	31.3	24.3	36.5
123	11.7	8.4	12.6





#29

2,4-Dichlorophenol

Concen: 45.83 ng

RT: 10.60 min Scan# 1245

Delta R.T. -0.01 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Instrument :

BNA_G

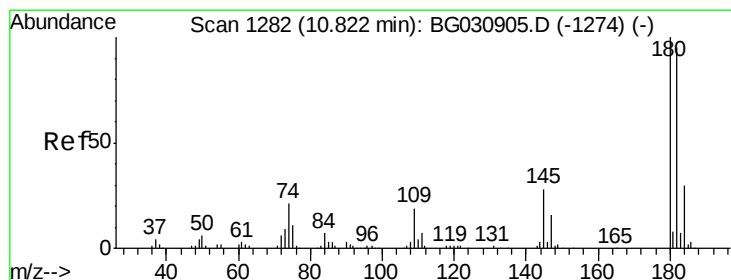
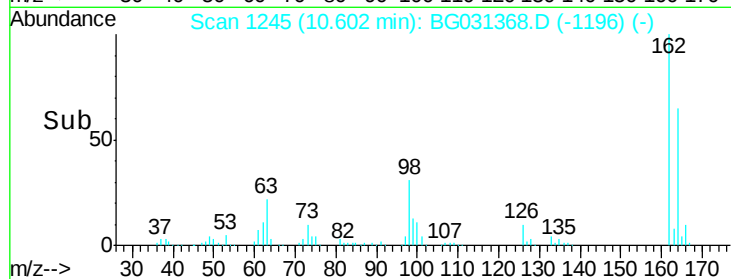
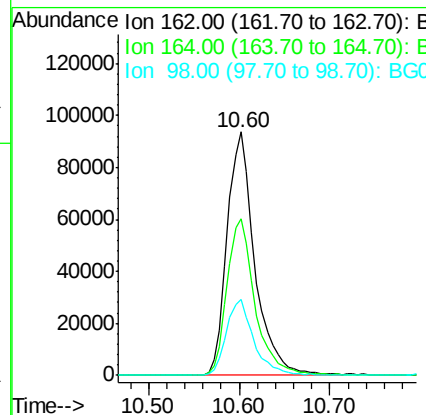
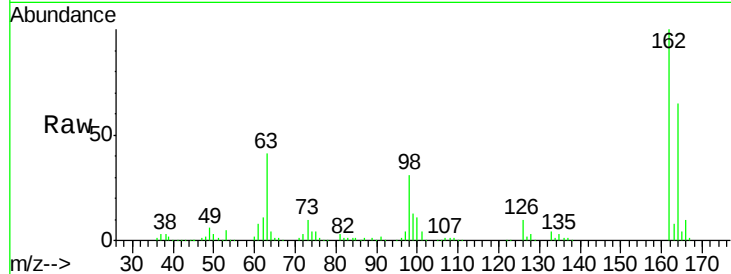
ClientSampleId :

IDOC-SOIL-4

Tot Ion:	162	Resp:	198468
Ion Ratio	Lower	Upper	
162	100		
164	64.5	48.0	88.0
98	31.3	21.1	61.1

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#30

1,2,4-Trichlorobenzene

Concen: 40.99 ng

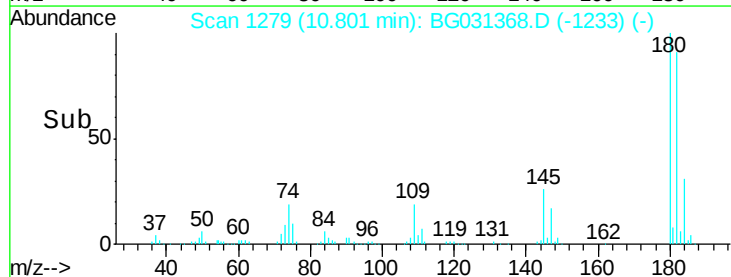
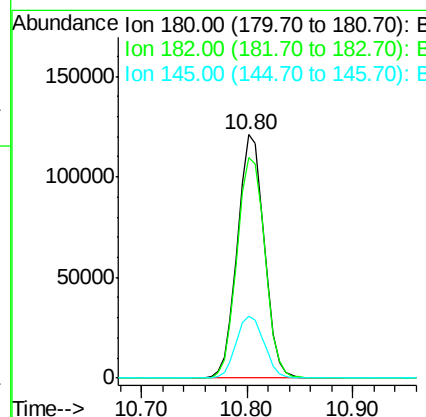
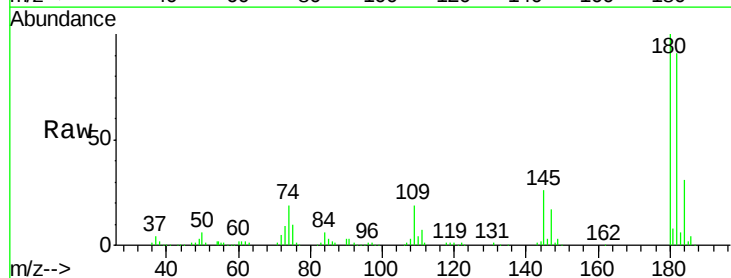
RT: 10.80 min Scan# 1279

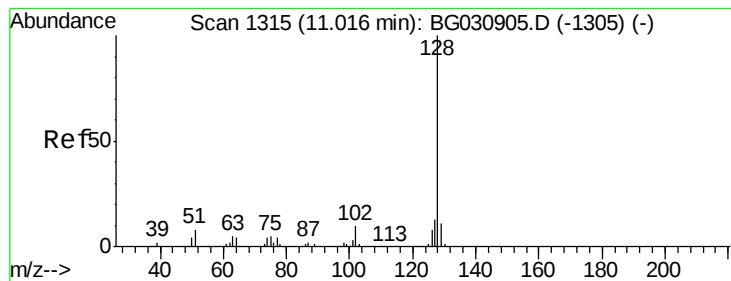
Delta R.T. -0.03 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Tgt Ion:	180	Resp:	211922
Ion Ratio	Lower	Upper	
180	100		
182	90.8	77.5	116.3
145	25.6	23.4	35.2





#31

Naphthalene

Concen: 40.03 ng

RT: 10.99 min Scan# 1311

Delta R.T. -0.03 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Instrument :

BNA_G

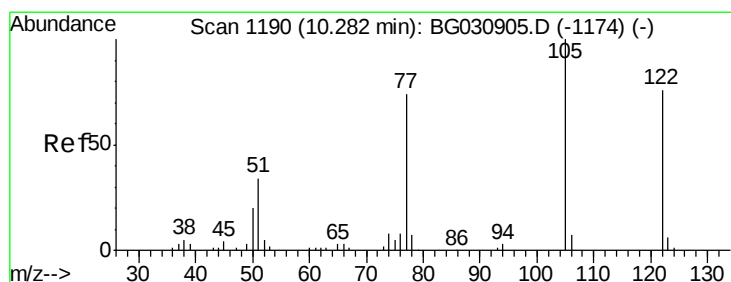
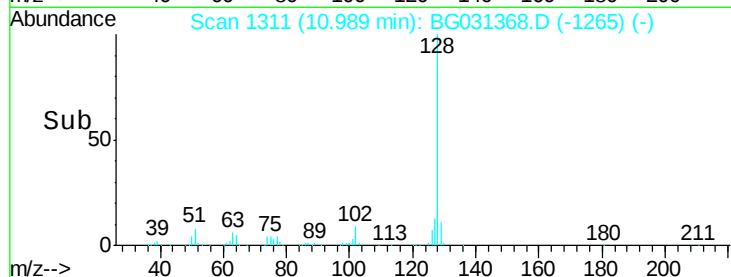
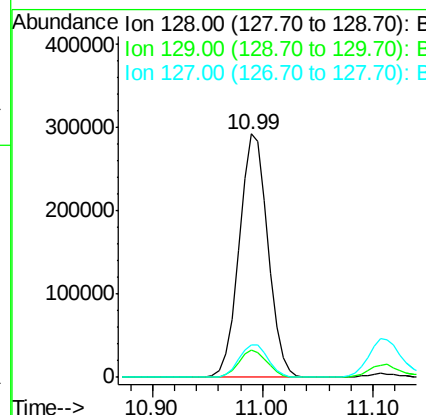
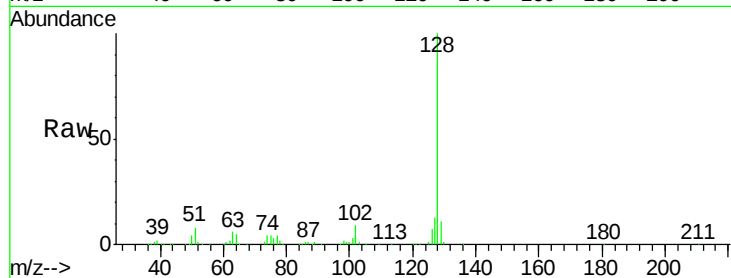
ClientSampled :

IDOC-SOIL-4

Tot Ion:	128	Resp:	531963
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.6	12.8
127	13.5	11.6	17.4

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#32

Benzoic acid

Concen: 11.96 ng

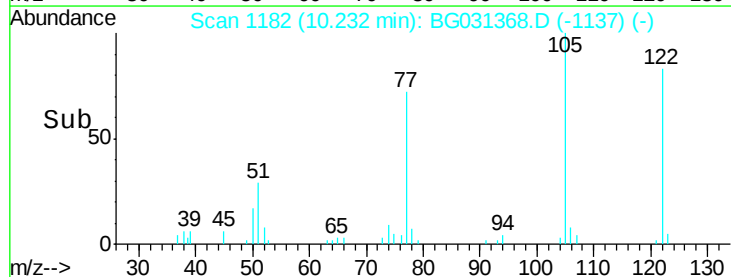
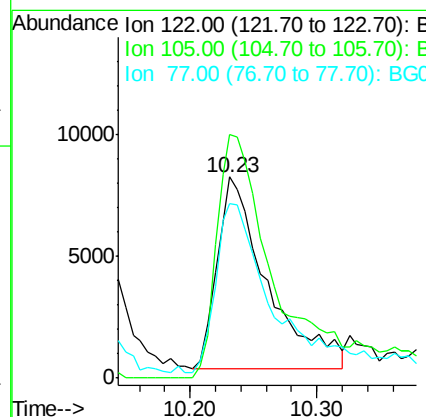
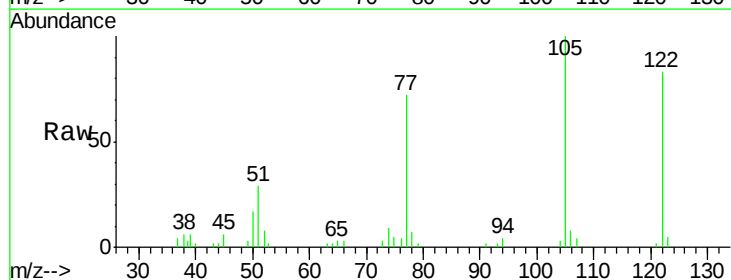
RT: 10.23 min Scan# 1182

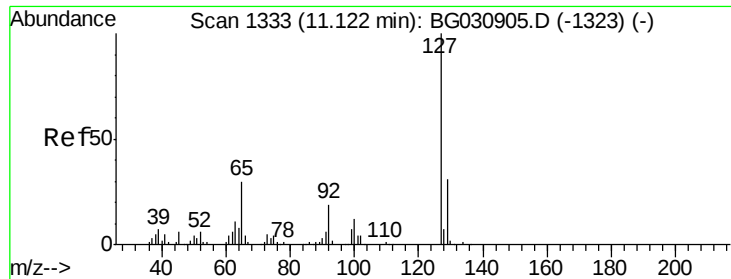
Delta R.T. -0.04 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Tgt Ion:	122	Resp:	21437
Ion Ratio	Lower	Upper	
122	100		
105	121.1	123.5	163.5#
77	87.1	85.7	125.7





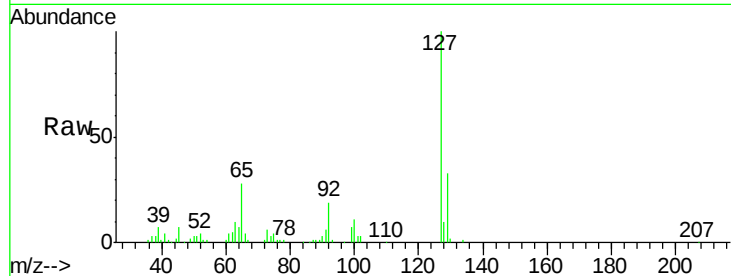
#33
4-Chloroaniline
Concen: 17.28 ng
RT: 11.11 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Instrument :
BNA_G
ClientSampleId :
IDOC-SOIL-4

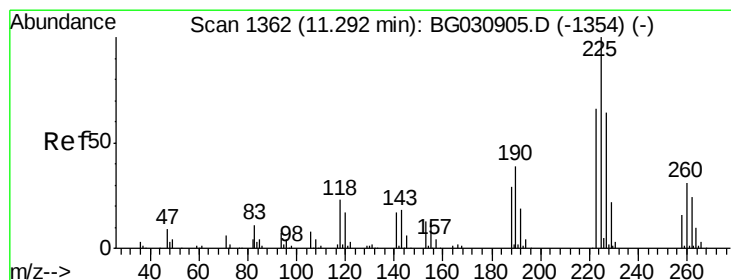
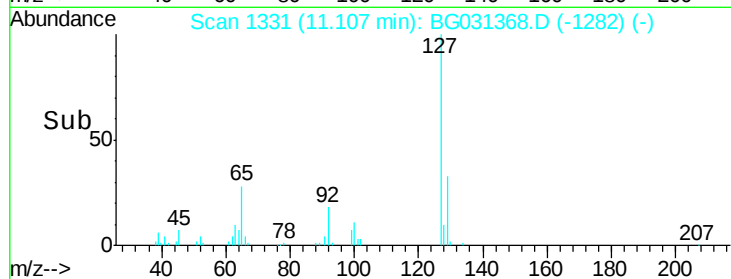
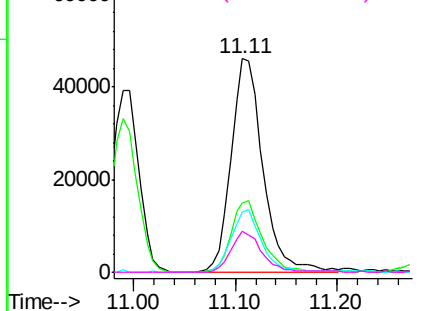
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.6	24.0	36.0		
65	28.3	27.0	40.4		
92	19.3	16.6	25.0		

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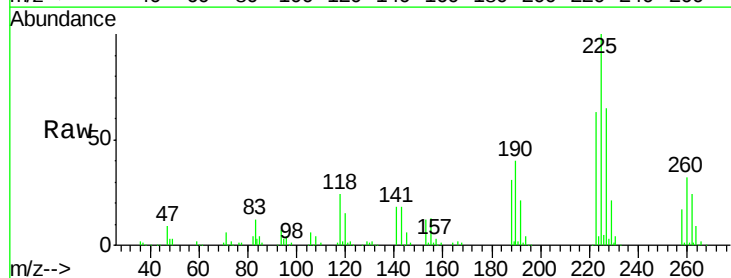


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

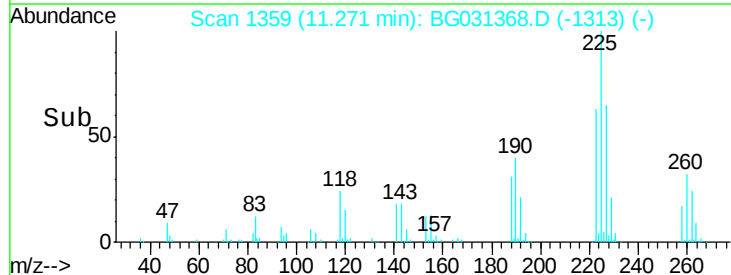
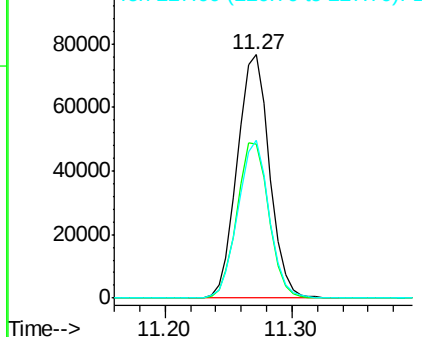


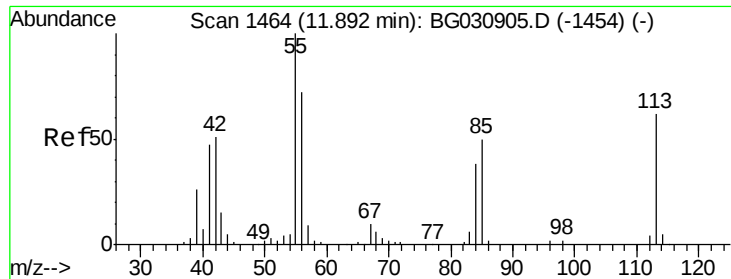
#34
Hexachlorobutadiene
Concen: 37.59 ng
RT: 11.27 min Scan# 1359
Delta R.T. -0.03 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.2	49.7	74.5		
227	64.8	48.1	72.1		



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 34.86 ng/ml

RT: 11.88 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Instrument :

BNA_G

ClientSampleId :

IDOC-SOIL-4

Tot Ion:113 Resp: 61673

Ion Ratio Lower Upper

113 100

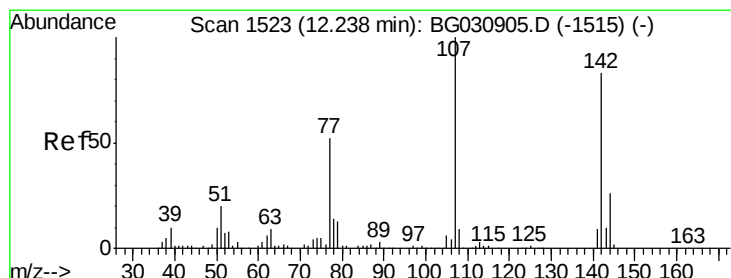
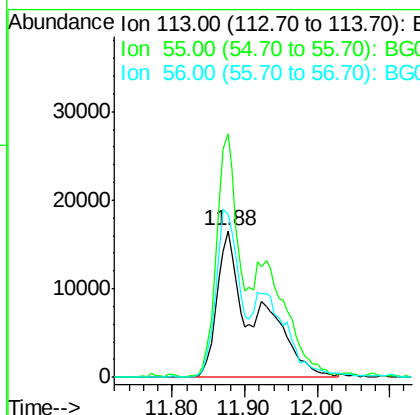
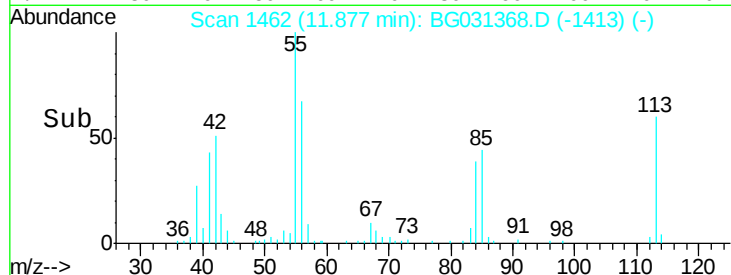
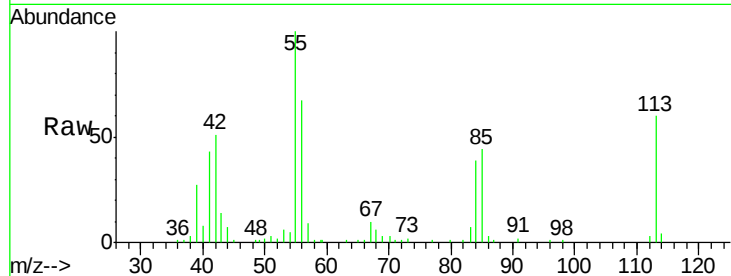
55 165.9 186.9 226.9#

56 111.4 130.9 170.9#

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#36

4-Chloro-3-methylphenol

Concen: 41.91 ng/ml

RT: 12.23 min Scan# 1522

Delta R.T. -0.01 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

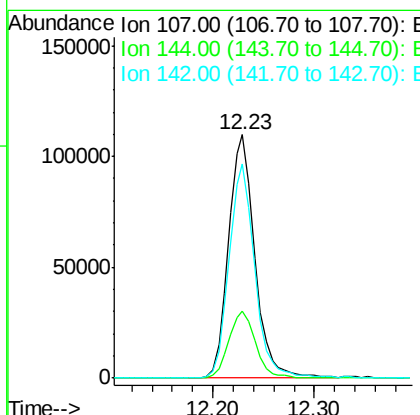
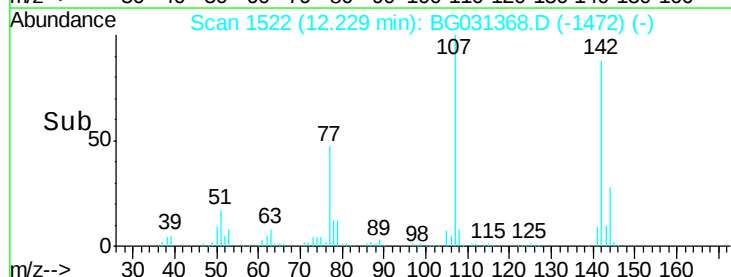
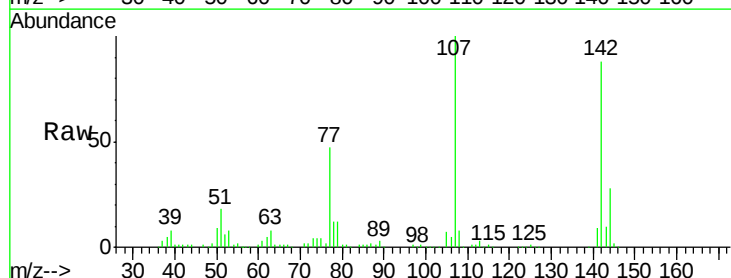
Tgt Ion:107 Resp: 197528

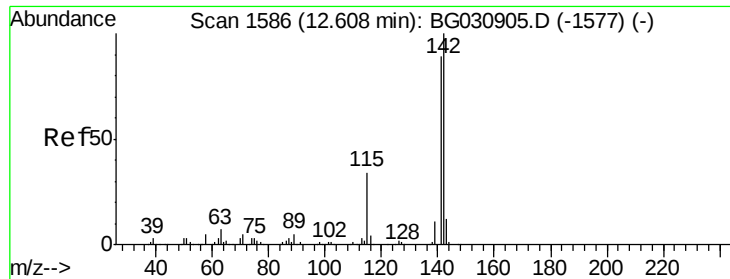
Ion Ratio Lower Upper

107 100

144 27.8 18.2 27.4#

142 87.8 59.0 88.4





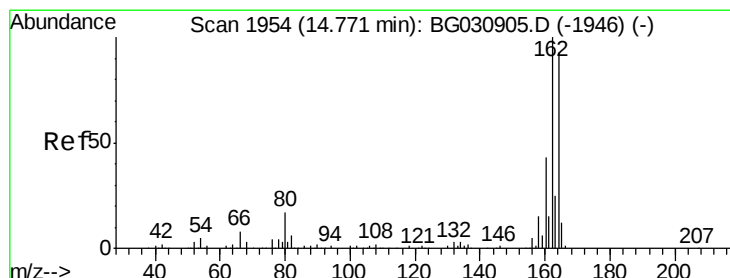
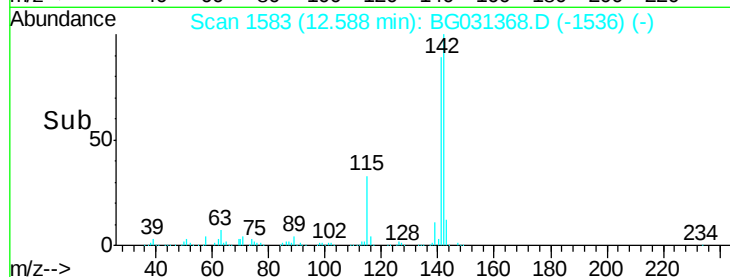
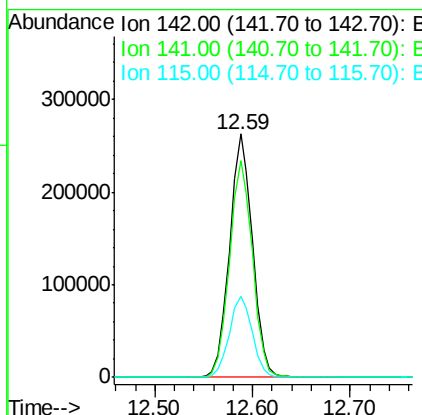
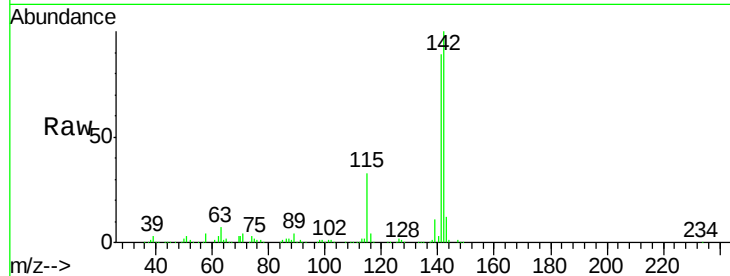
#37
2-Methylnaphthalene
Concen: 41.59 ng
RT: 12.59 min Scan# 1583
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Instrument :
BNA_G
ClientSampleId :
IDOC-SOIL-4

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	67.1	100.7
115	33.1	30.7	46.1

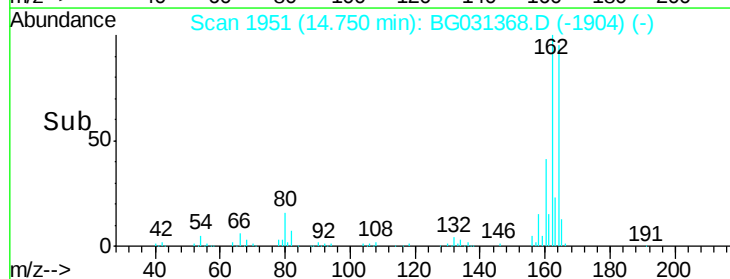
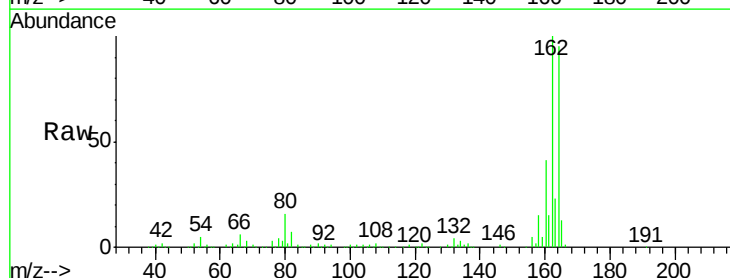
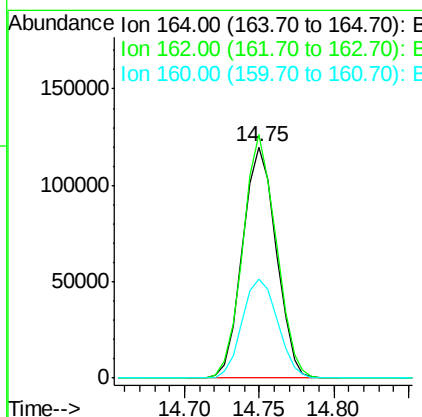
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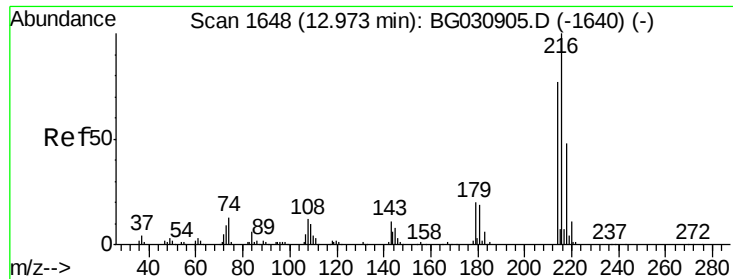
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.75 min Scan# 1951
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	78.8	118.2
160	43.1	35.4	53.0





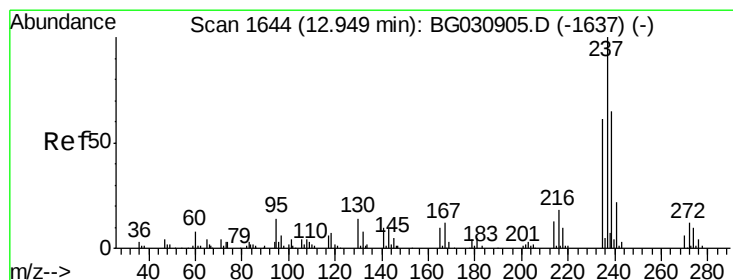
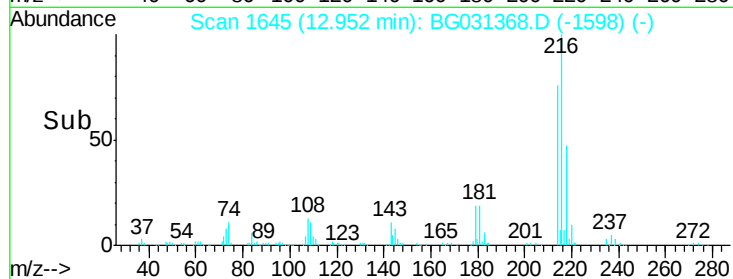
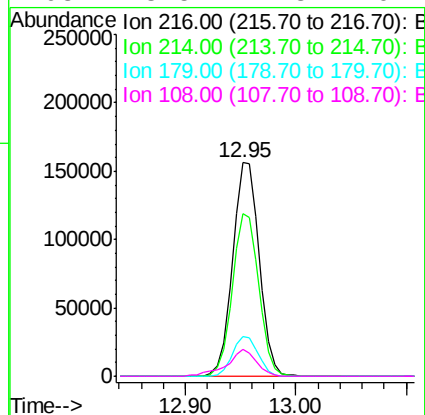
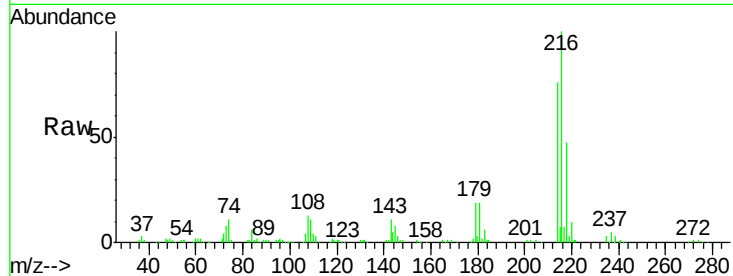
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 35.48 ng
 RT: 12.95 min Scan# 1645
 Delta R.T. -0.02 min
 Lab File: BG031368.D
 Acq: 5 Dec 2017 4:38

Instrument :
 BNA_G
 ClientSampleId :
 IDOC-SOIL-4

Tot Ion	Ratio	Resp Lower	Upper
216	100		
214	75.8	63.0	94.4
179	18.3	17.0	25.6
108	13.5	12.8	19.2

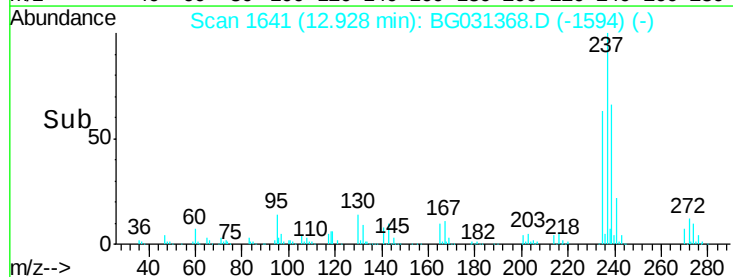
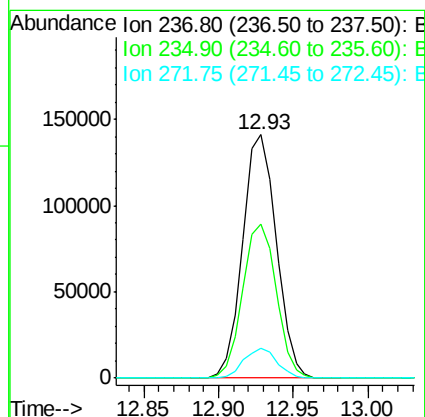
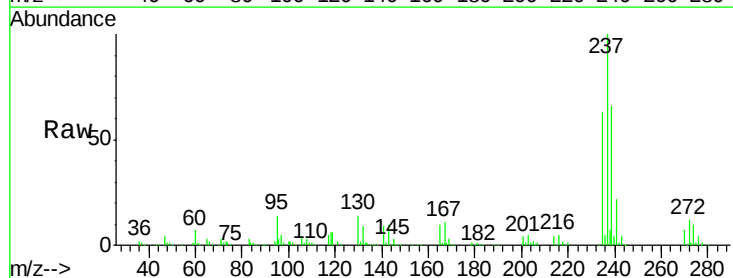
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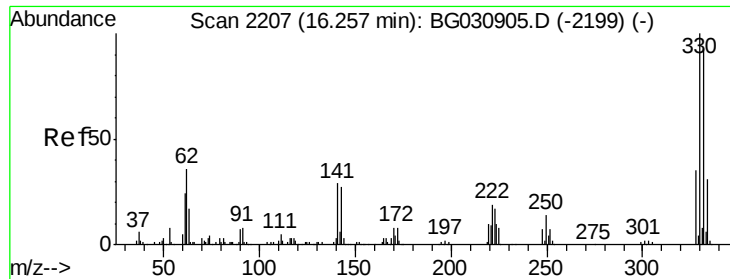
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#40
 Hexachlorocyclopentadiene
 Concen: 80.50 ng
 RT: 12.93 min Scan# 1641
 Delta R.T. -0.02 min
 Lab File: BG031368.D
 Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Resp Lower	Upper
237	100		
235	63.2	50.4	90.4
272	12.4	0.0	31.8





#41

2,4,6-Tribromophenol

Concen: 99.52 ng

RT: 16.24 min Scan# 2204

Delta R.T. -0.02 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Instrument :

BNA_G

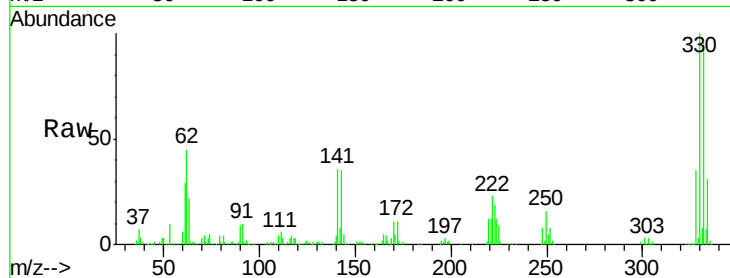
ClientSampled :

IDOC-SOIL-4

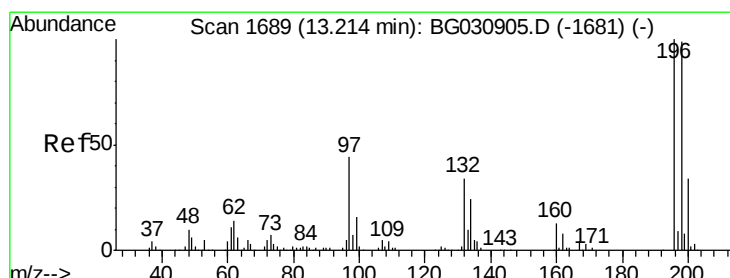
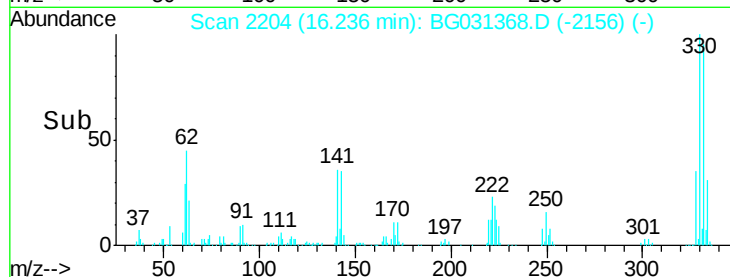
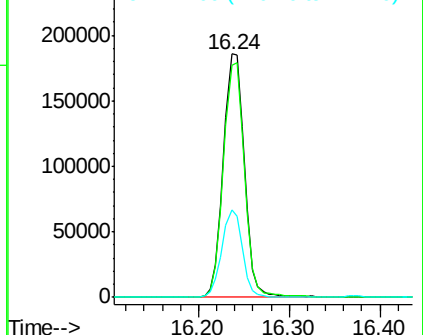
Tot Ion:	330	Resp:	300870
Ion Ratio	Lower	Upper	
330	100		
332	96.3	77.0	115.6
141	35.0	25.2	37.8

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



#42

2,4,6-Trichlorophenol

Concen: 41.37 ng

RT: 13.19 min Scan# 1686

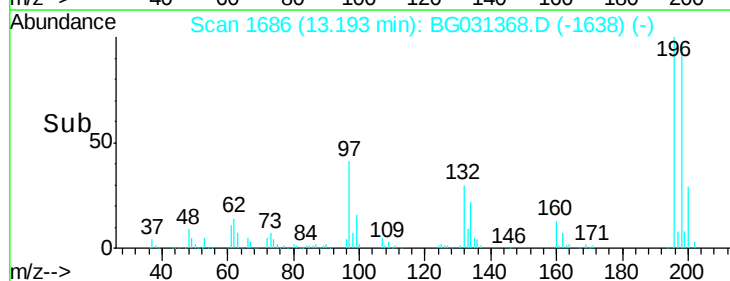
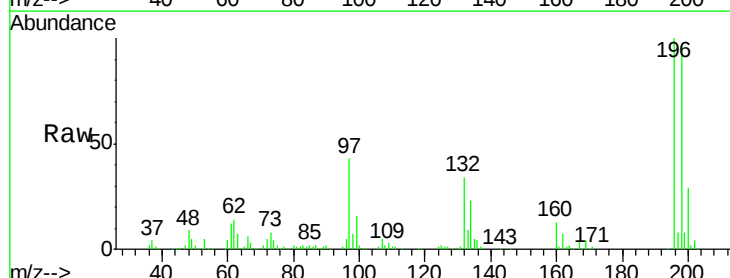
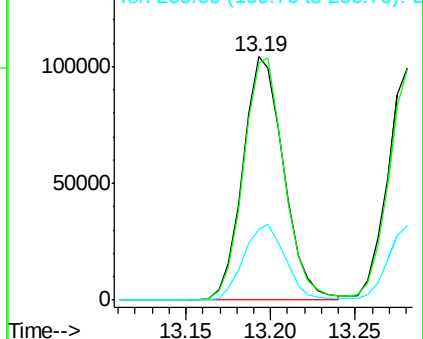
Delta R.T. -0.02 min

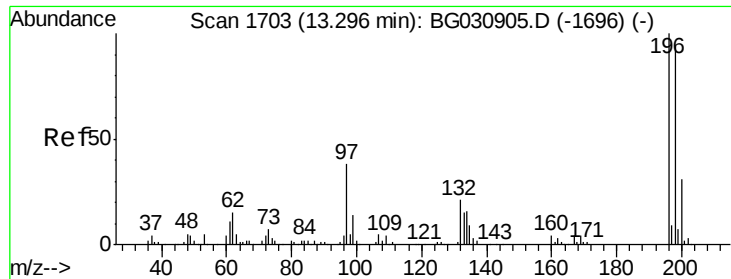
Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Tgt Ion:	196	Resp:	175428
Ion Ratio	Lower	Upper	
196	100		
198	97.4	78.2	117.2
200	28.9	24.6	36.8

Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E





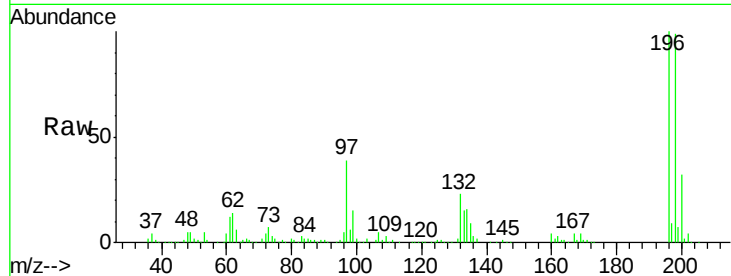
#43
2,4,5-Trichlorophenol
Concen: 40.98 ng
RT: 13.28 min Scan# 1701
Delta R.T. -0.01 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Instrument :
BNA_G
ClientSampleId :
IDOC-SOIL-4

Tot Ion	Ratio	Resp	Lower	Upper
196	100	190127		
198	99.2	76.2	114.4	
97	38.7	38.7	58.1	
132	22.6	20.2	30.2	

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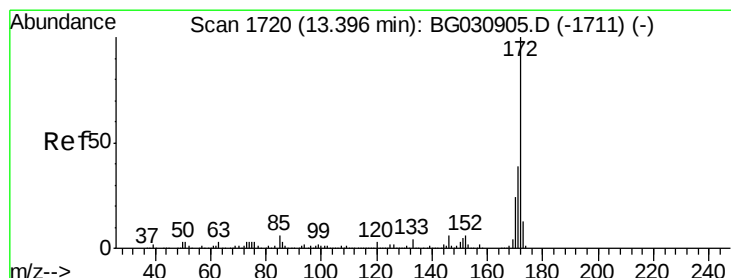
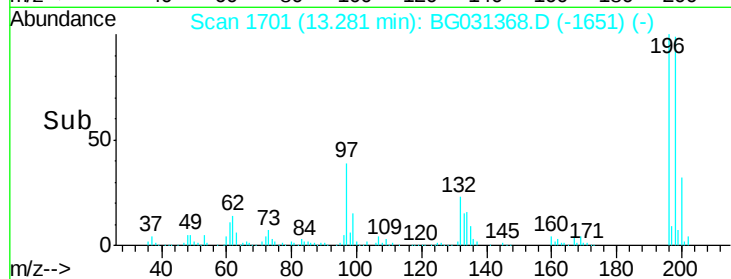
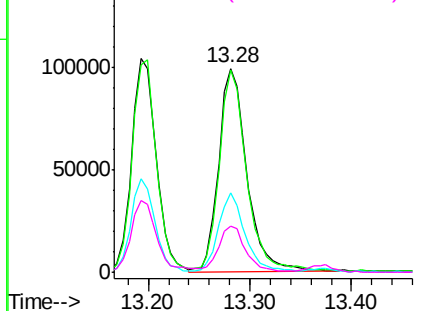
Abundance

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): BGC

Ion 132.00 (131.70 to 132.70): E



#44
2-Fluorobiphenyl
Concen: 79.55 ng
RT: 13.37 min Scan# 1717
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

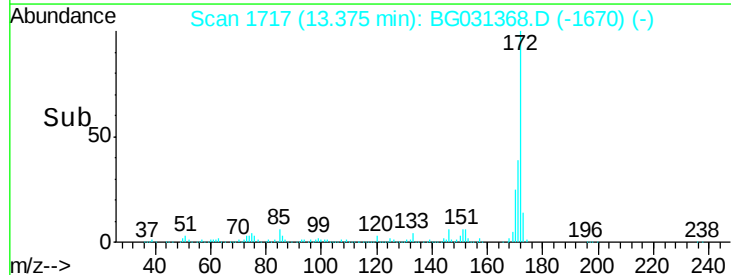
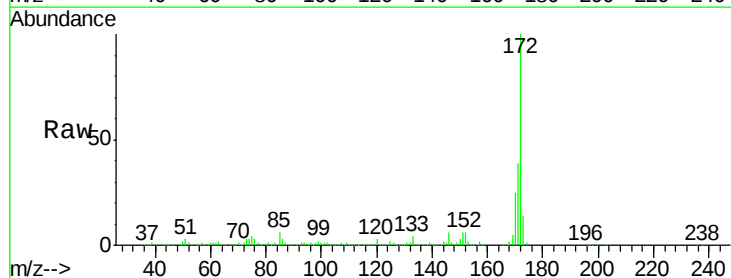
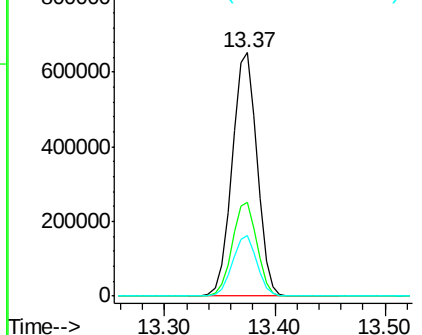
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1034690		
171	38.5	30.0	45.0	
170	25.0	19.5	29.3	

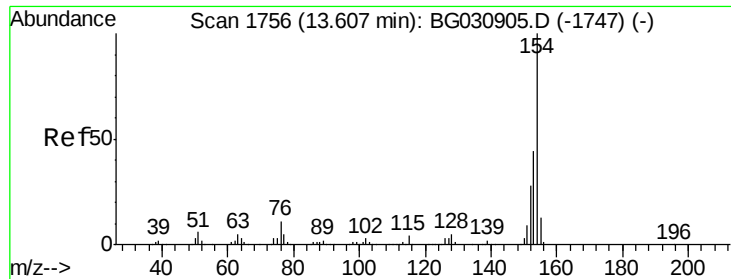
Abundance

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





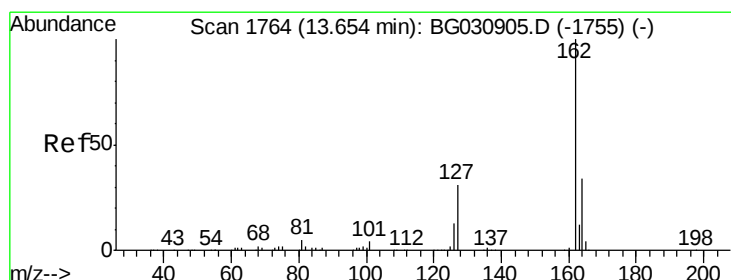
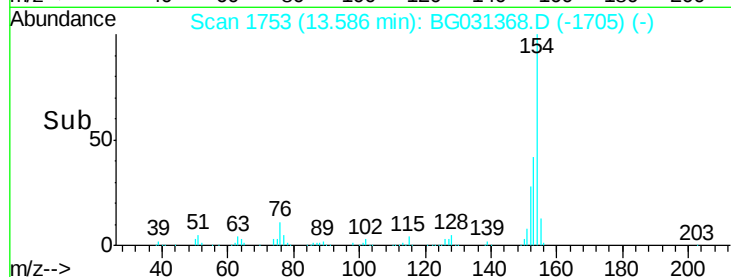
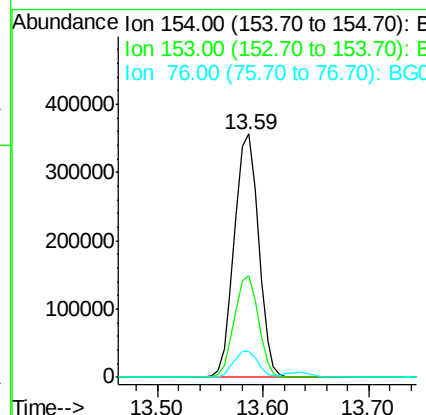
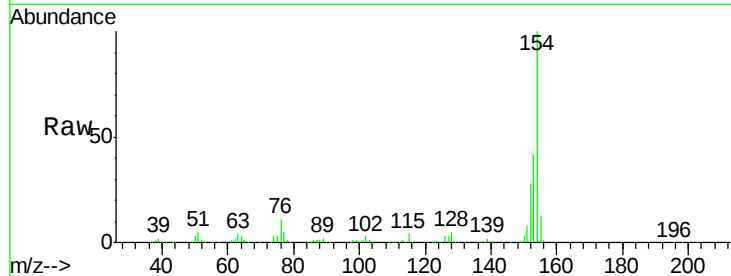
#45
 1,1'-Biphenyl
 Concen: 36.40 ng
 RT: 13.59 min Scan# 1753
 Delta R.T. -0.02 min
 Lab File: BG031368.D
 Acq: 5 Dec 2017 4:38

Instrument :
 BNA_G
 ClientSampleId :
 IDOC-SOIL-4

Tot Ion	Ratio	Resp Lower	Upper
154	100		
153	41.7	19.8	59.8
76	10.7	0.0	31.9

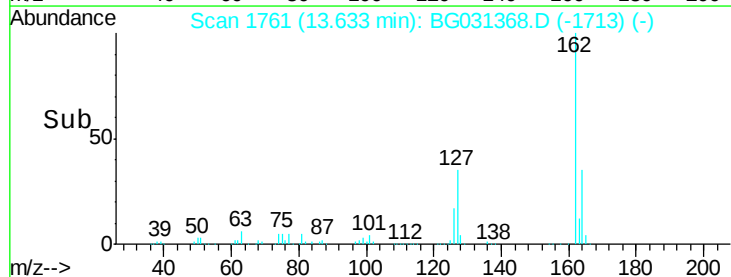
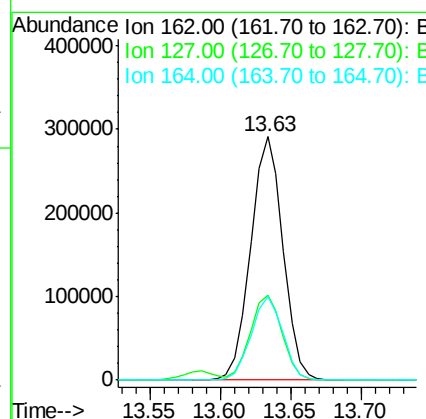
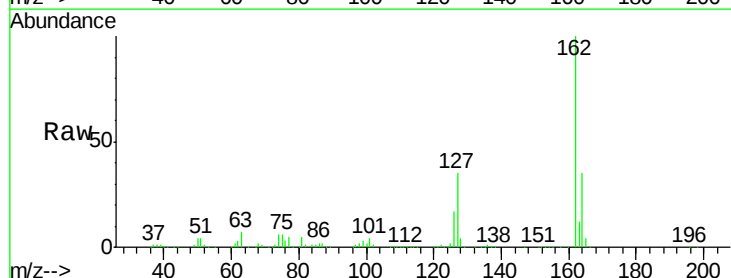
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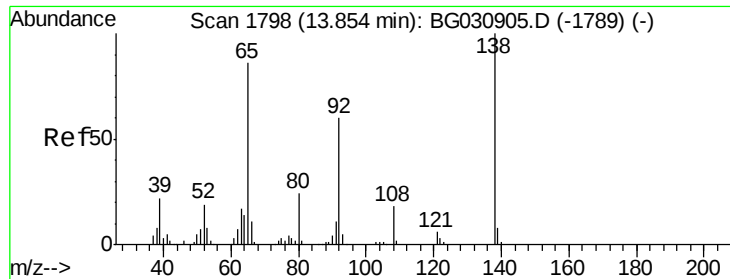
Sohil
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#46
 2-Chloronaphthalene
 Concen: 41.74 ng
 RT: 13.63 min Scan# 1761
 Delta R.T. -0.02 min
 Lab File: BG031368.D
 Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Resp Lower	Upper
162	100		
127	34.7	30.7	46.1
164	34.5	26.0	39.0





#47

2-Nitroaniline

Concen: 38.48 ng

RT: 13.84 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Instrument :

BNA_G

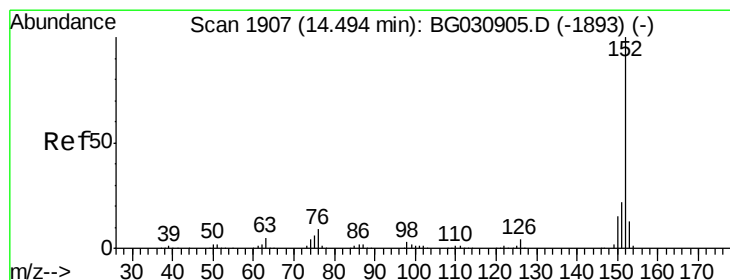
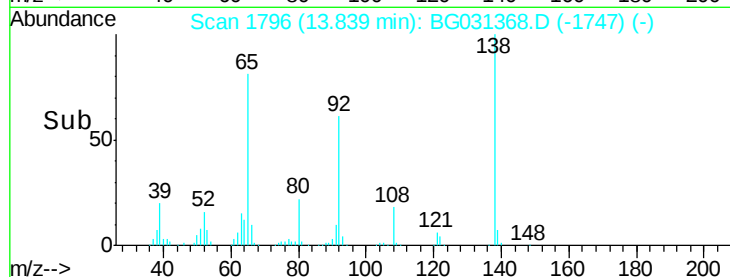
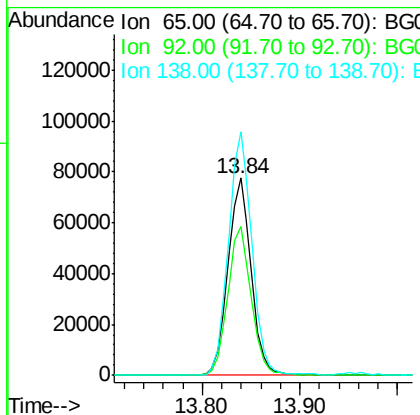
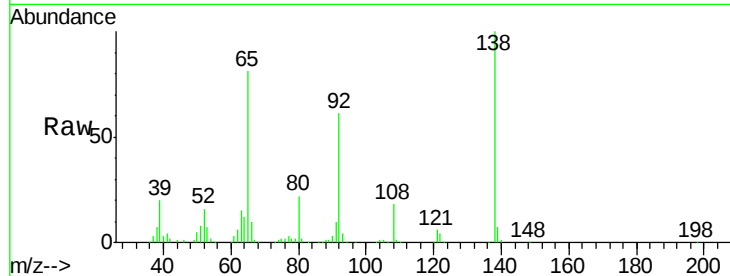
ClientSampleId :

IDOC-SOIL-4

Tot Ion	Ratio	Lower	Upper
65	100		
92	75.6	54.6	82.0
138	123.5	72.9	109.3

Manual Integrations
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#48

Acenaphthylene

Concen: 39.27 ng

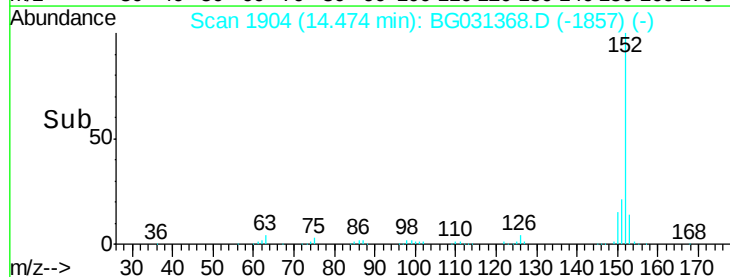
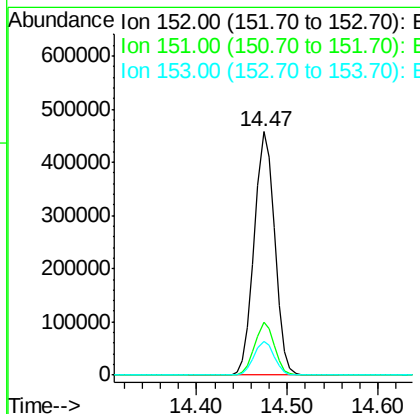
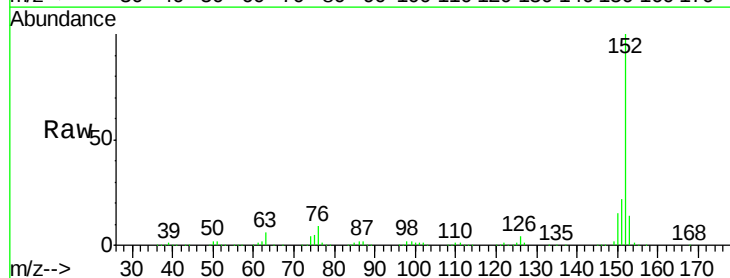
RT: 14.47 min Scan# 1904

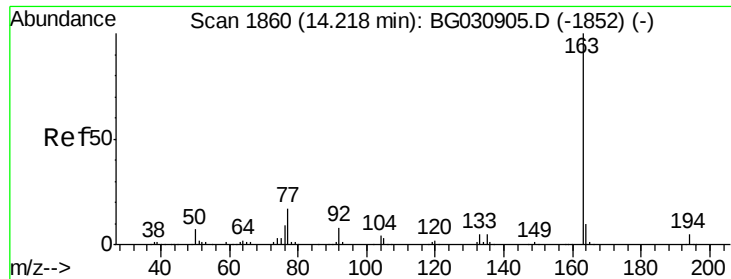
Delta R.T. -0.02 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.2	25.8
153	13.9	10.2	15.4





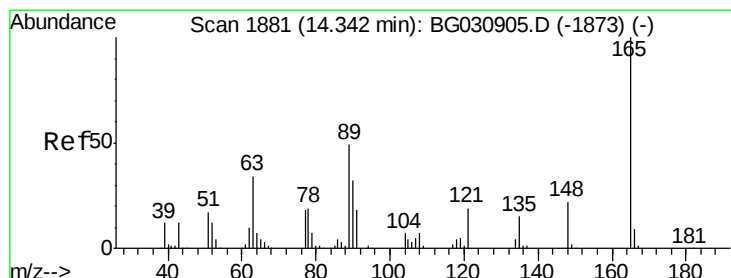
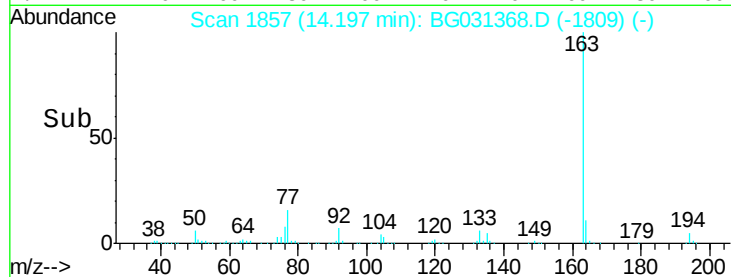
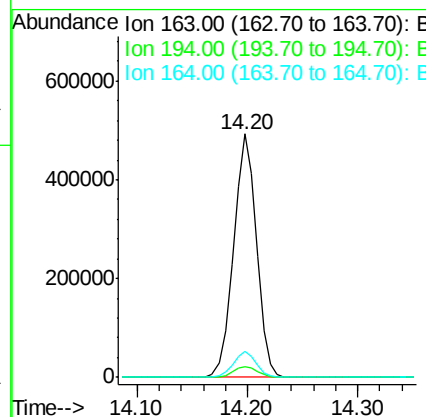
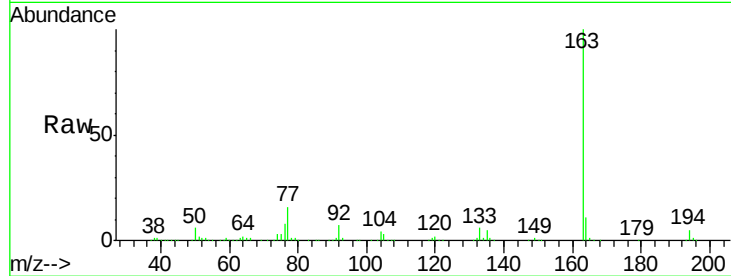
#49
Dimethylphthalate
Concen: 44.21 ng
RT: 14.20 min Scan# 1857
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Instrument :
BNA_G
ClientSampleId :
IDOC-SOIL-4

Tot Ion	Ratio	Resp	Lower	Upper
163	100	714434		
194	4.6	3.4	5.2	
164	10.6	8.2	12.4	

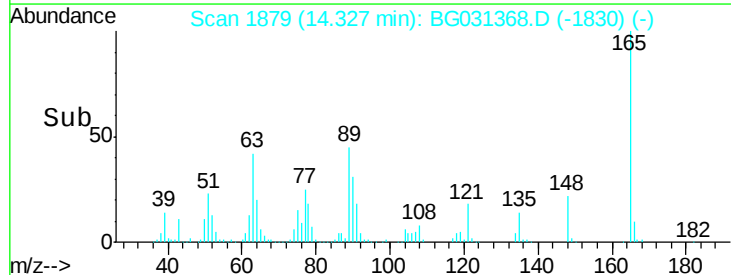
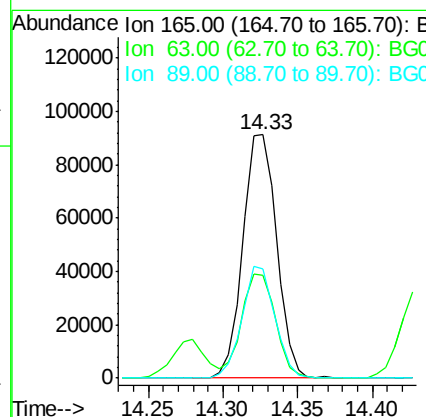
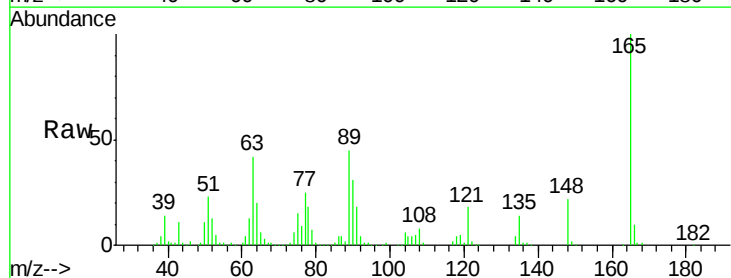
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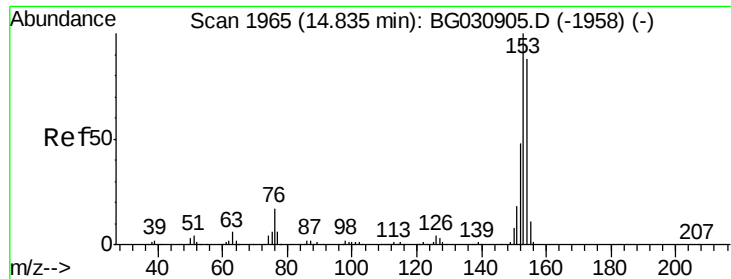
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#50
2,6-Dinitrotoluene
Concen: 43.00 ng
RT: 14.33 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	143233		
63	42.0	52.7	79.1#	
89	44.9	49.2	73.8#	





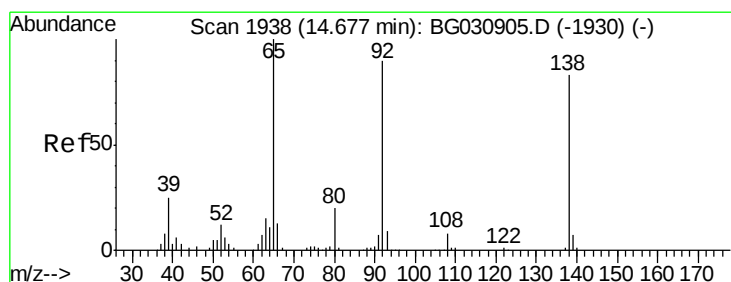
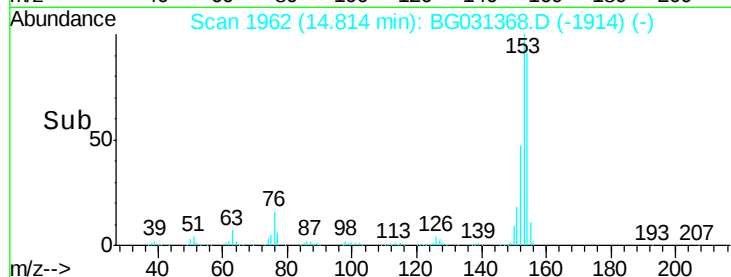
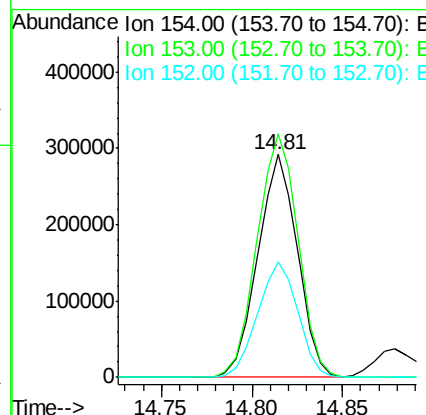
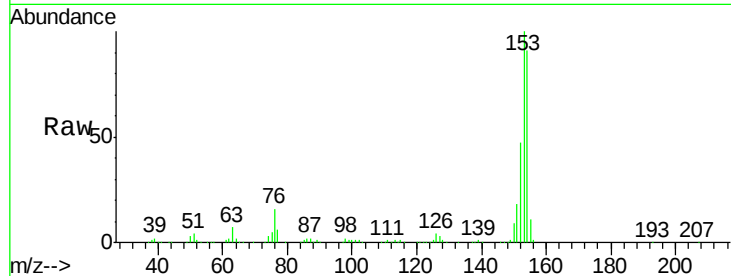
#51
Acenaphthene
Concen: 38.68 ng
RT: 14.81 min Scan# 1962
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Instrument :
BNA_G
ClientSampleId :
IDOC-SOIL-4

Tot Ion	Ratio	Lower	Upper
154	100		
153	109.4	90.4	135.6
152	51.8	41.6	62.4

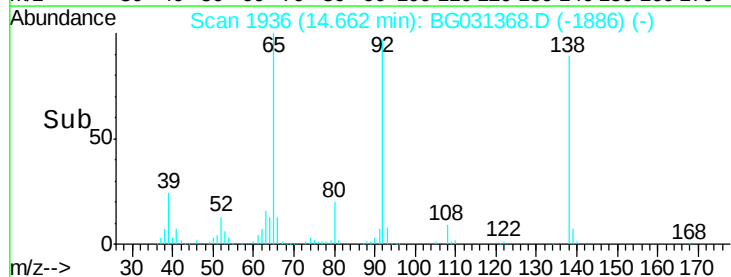
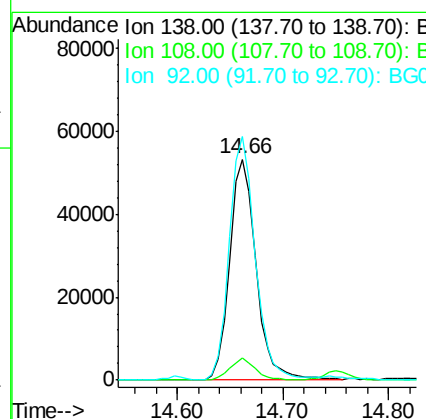
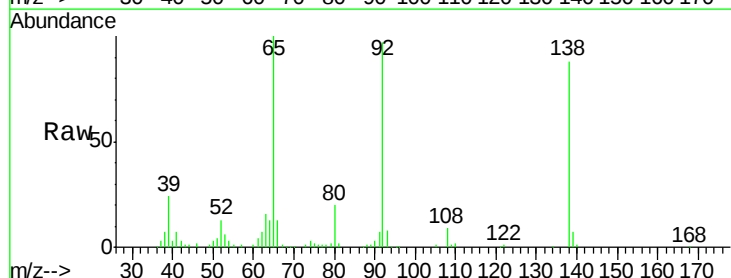
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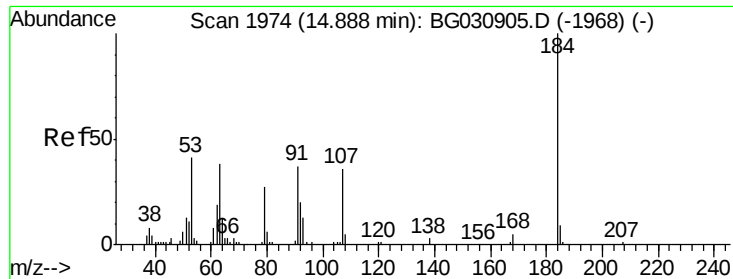
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#52
3-Nitroaniline
Concen: 26.07 ng
RT: 14.66 min Scan# 1936
Delta R.T. -0.01 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Lower	Upper
138	100		
108	9.8	17.5	26.3#
92	110.2	105.8	158.8





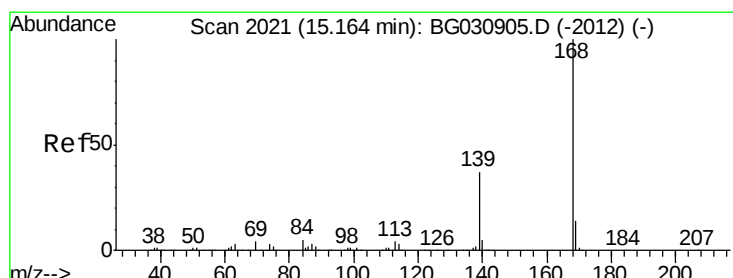
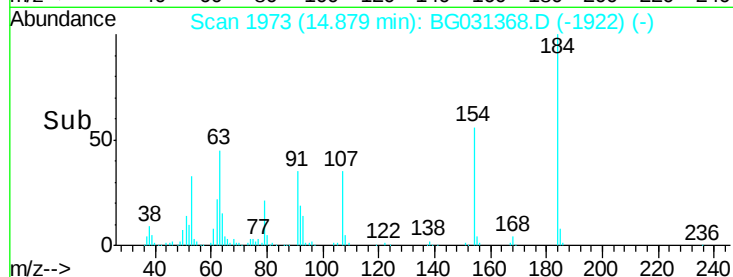
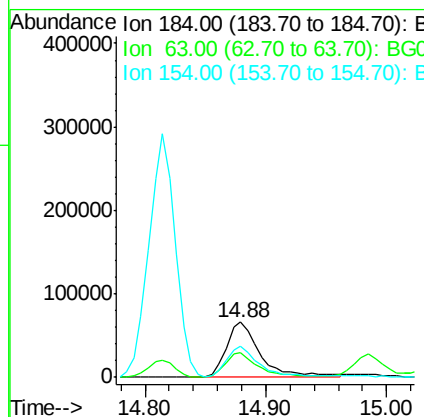
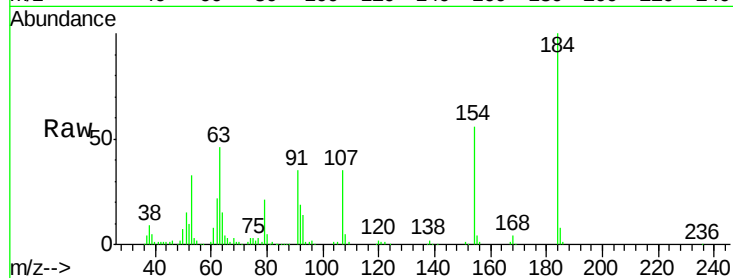
#53
2,4-Dinitrophenol
Concen: 71.22 ng
RT: 14.88 min Scan# 1973
Delta R.T. -0.00 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Instrument :
BNA_G
ClientSampleId :
IDOC-SOIL-4

Tot Ion	Ratio	Lower	Upper
184	100		
63	45.6	59.8	89.8#
154	55.7	101.8	152.8#

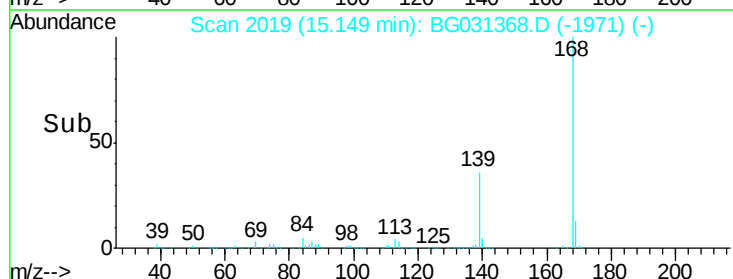
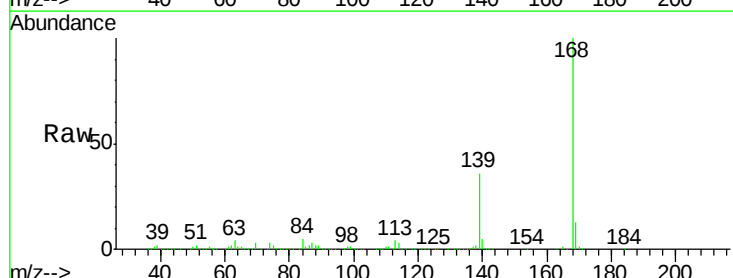
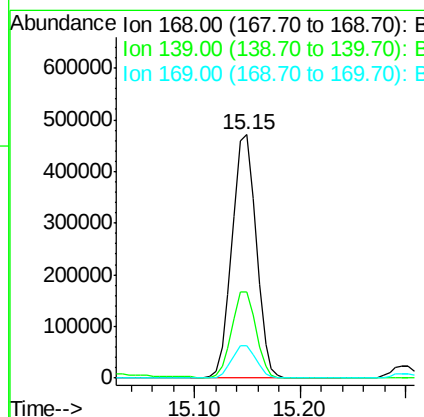
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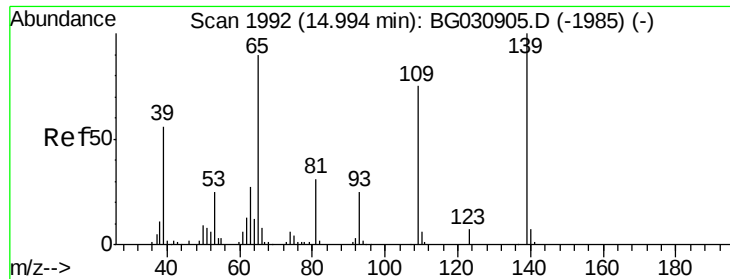
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#54
Dibenzofuran
Concen: 40.81 ng
RT: 15.15 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.6	28.6	43.0
169	13.2	11.2	16.8





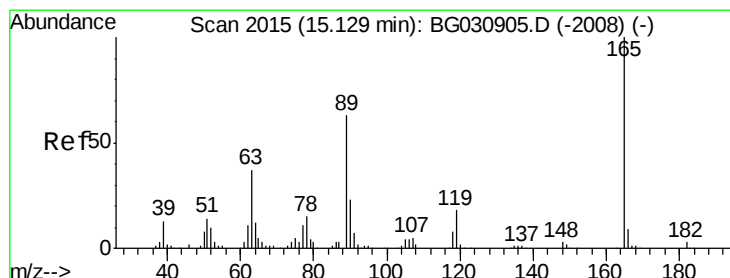
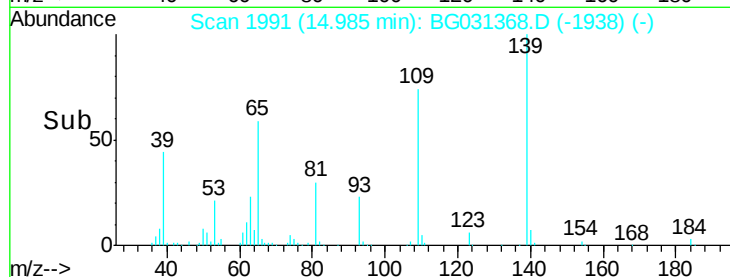
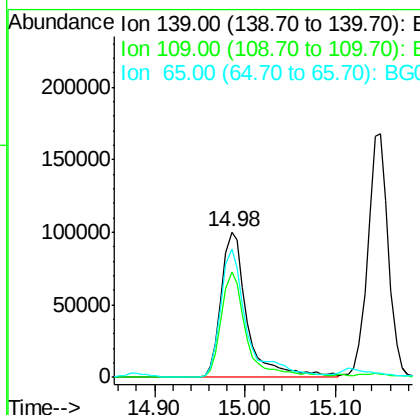
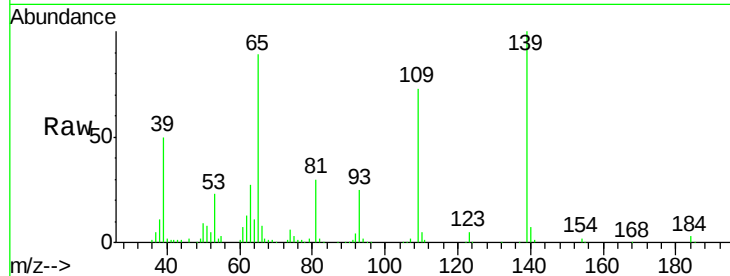
#55
4-Nitrophenol
Concen: 79.96 ng
RT: 14.98 min Scan# 1991
Delta R.T. 0.01 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Instrument :
BNA_G
ClientSampleId :
IDOC-SOIL-4

Tot Ion	Ratio	Resp	Lower	Upper
139	100	201433		
109	72.9	62.2	102.2	
65	88.6	97.2	137.2#	

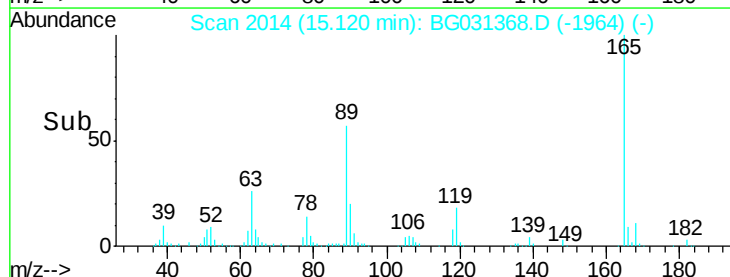
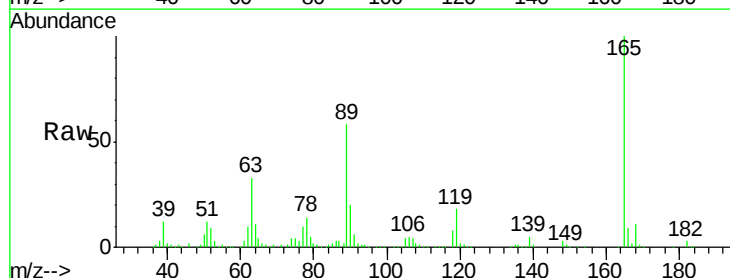
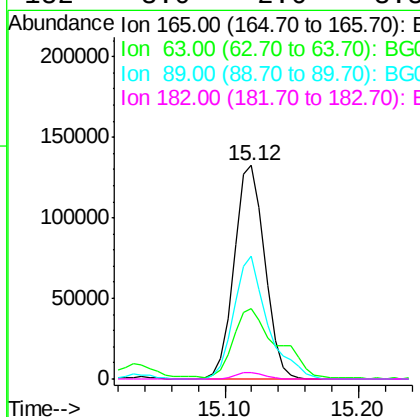
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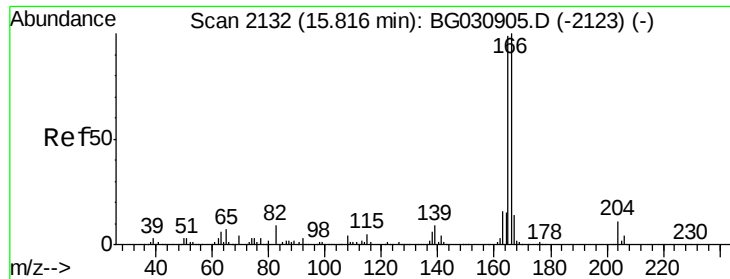
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#56
2,4-Dinitrotoluene
Concen: 43.73 ng
RT: 15.12 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	210581		
63	33.0	42.0	63.0#	
89	57.7	66.9	100.3#	
182	3.0	2.6	3.8	





#57

Fluorene

Concen: 40.04 ng

RT: 15.80 min Scan# 2129

Delta R.T. -0.02 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Instrument :

BNA_G

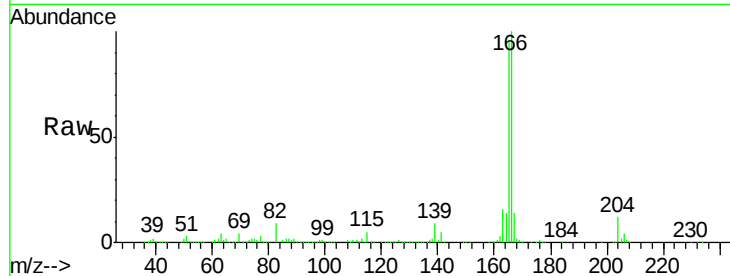
ClientSampleId :

IDOC-SOIL-4

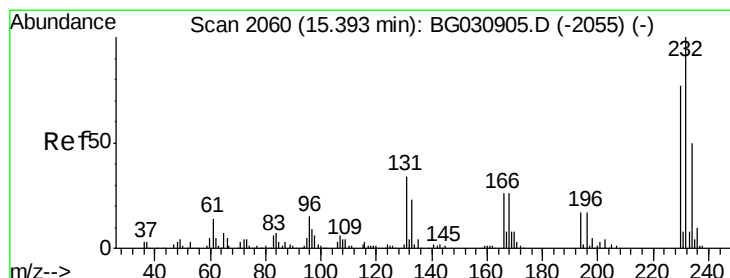
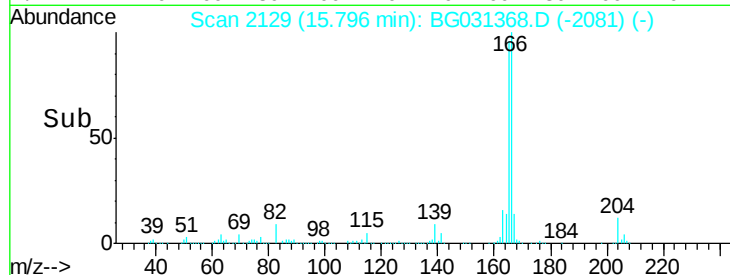
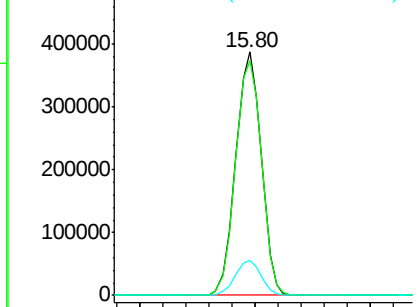
Tot Ion:	166	Resp:	591759
Ion Ratio		Lower	Upper
166	100		
165	96.2	80.6	121.0
167	14.2	10.4	15.6

Manual Integrations
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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 43.85 ng

RT: 15.38 min Scan# 2058

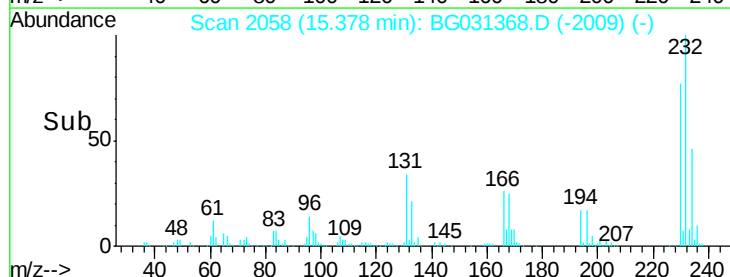
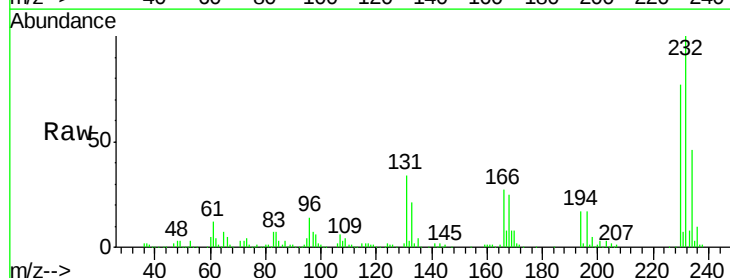
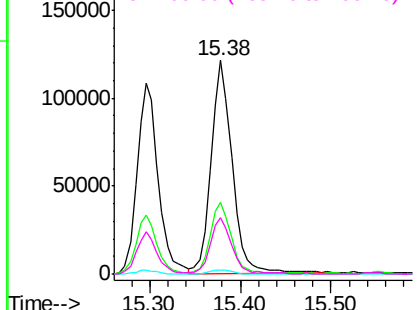
Delta R.T. -0.01 min

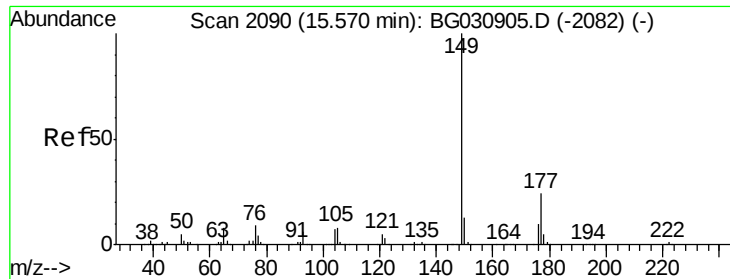
Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Tgt Ion:	232	Resp:	193909
Ion Ratio		Lower	Upper
232	100		
131	33.7	33.5	50.3
130	2.0	2.2	3.2#
166	26.6	24.8	37.2

Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





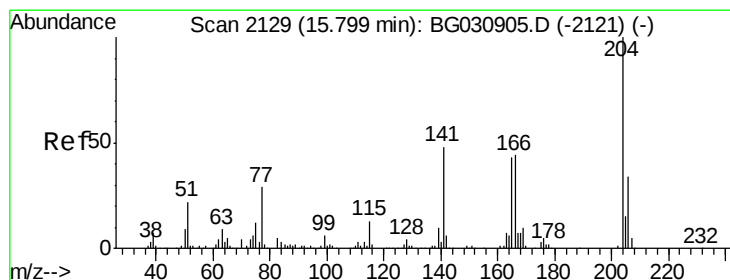
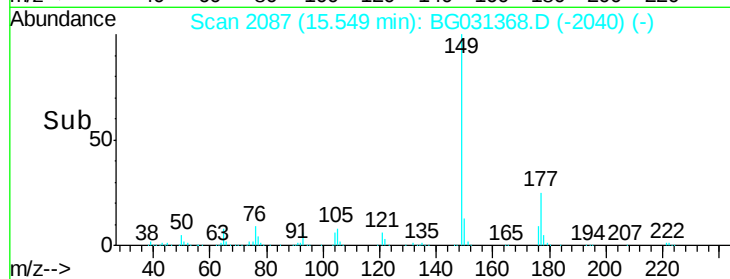
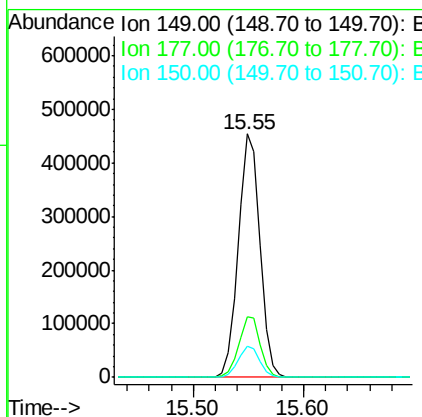
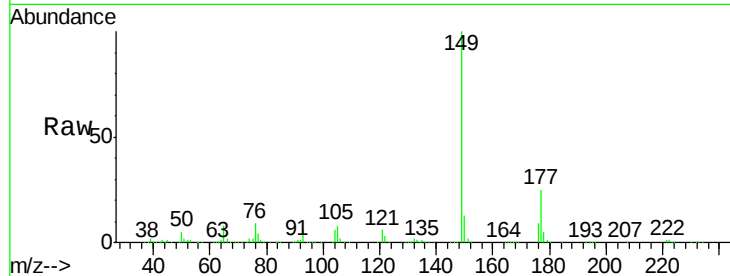
#59
Diethylphthalate
Concen: 38.01 ng
RT: 15.55 min Scan# 2087
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Instrument :
BNA_G
ClientSampled :
IDOC-SOIL-4

Tot Ion	Ratio	Lower	Upper
149	100		
177	25.0	18.5	27.7
150	12.9	10.2	15.2

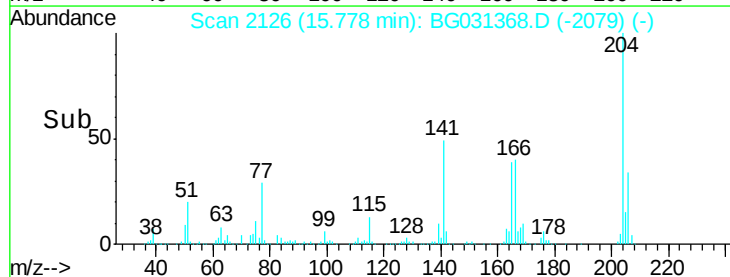
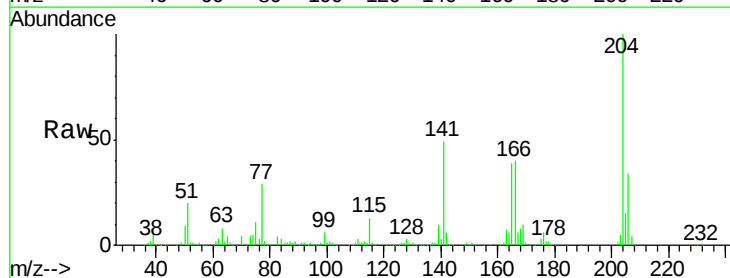
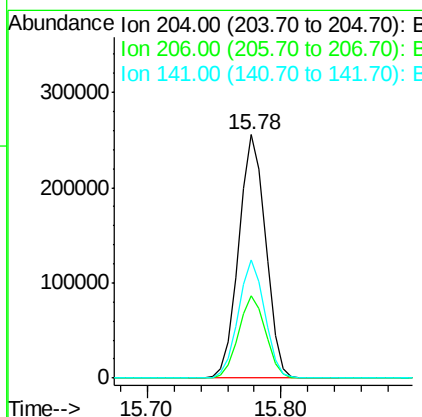
Manual Integrations
APPROVED

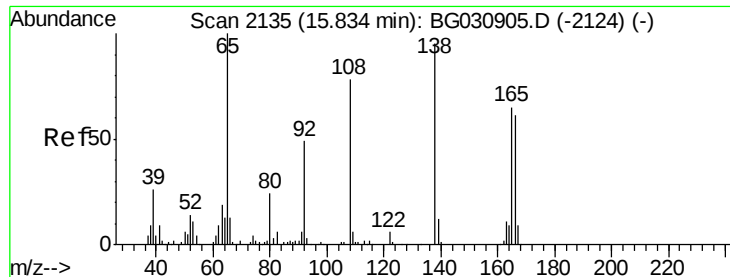
Sohil
12/5/2017 3:27:28 PM



#60
4-Chlorophenyl-phenylether
Concen: 39.99 ng
RT: 15.78 min Scan# 2126
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.9	26.2	39.2
141	48.5	45.8	68.6





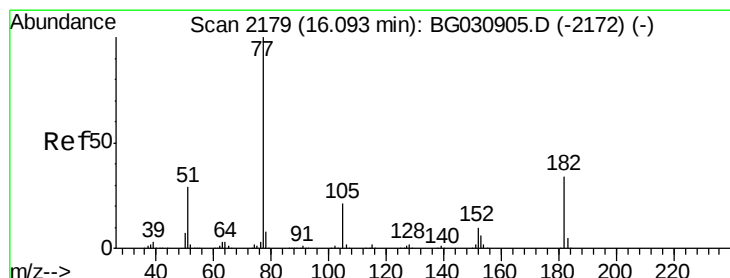
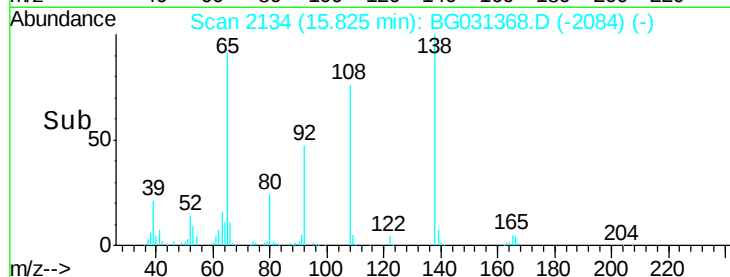
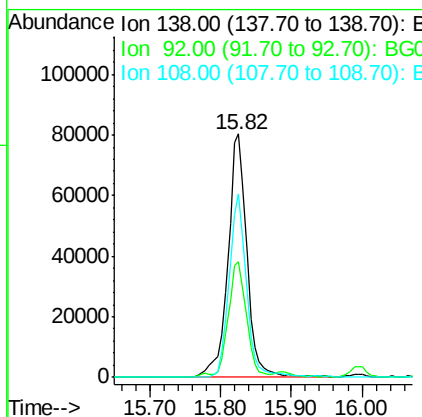
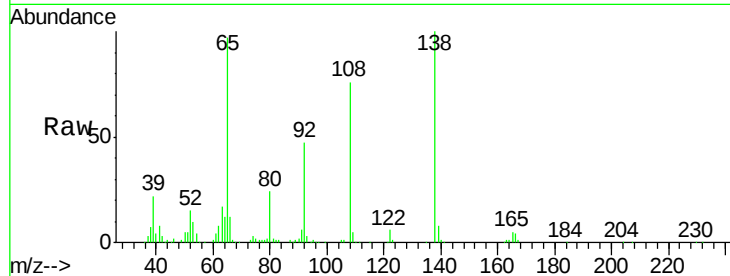
#61
4-Nitroaniline
Concen: 40.30 ng
RT: 15.82 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Instrument :
BNA_G
ClientSampleId :
IDOC-SOIL-4

Tot Ion	Ratio	Lower	Upper
138	100		
92	47.2	40.1	80.1
108	75.5	65.4	105.4

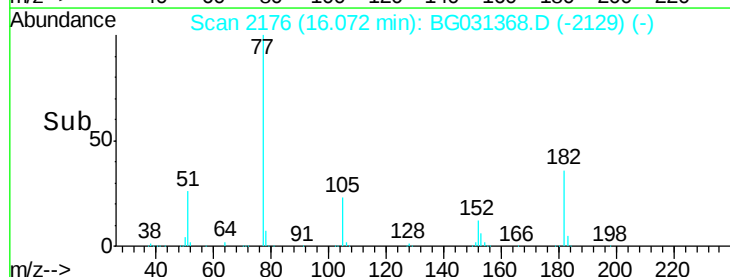
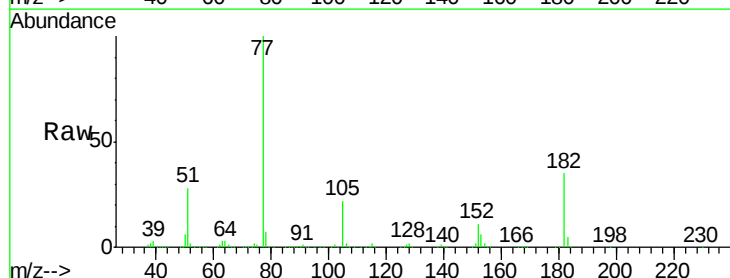
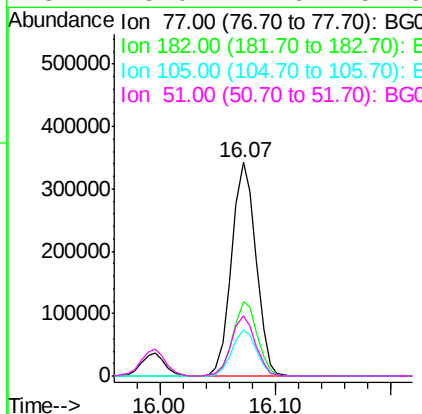
Manual Integrations
APPROVED

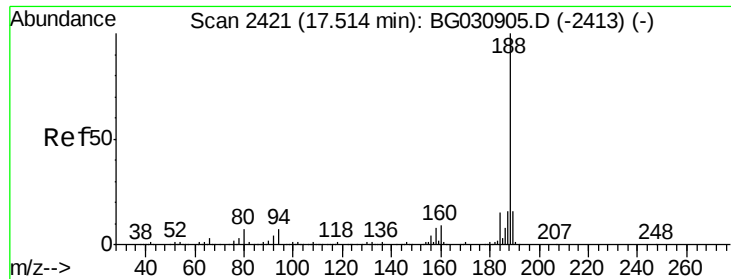
Sohil
12/5/2017 3:27:28 PM



#62
Azobenzene
Concen: 39.94 ng
RT: 16.07 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Lower	Upper
77	100		
182	34.7	7.4	47.4
105	21.8	0.3	40.3
51	28.0	11.6	51.6





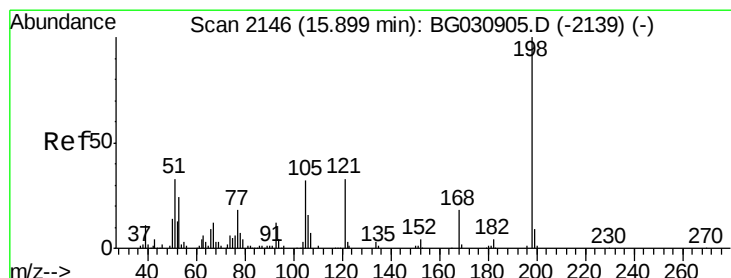
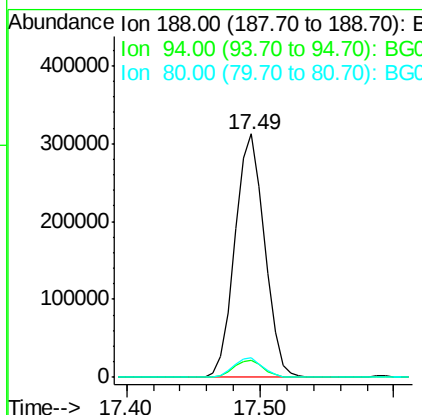
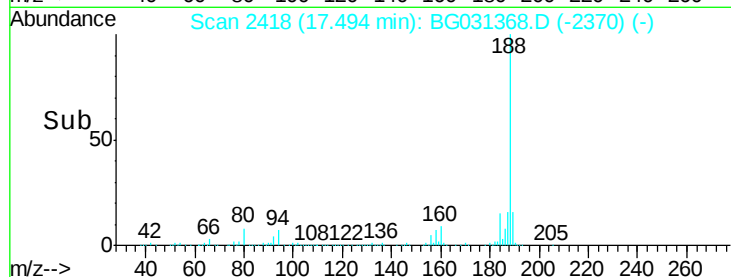
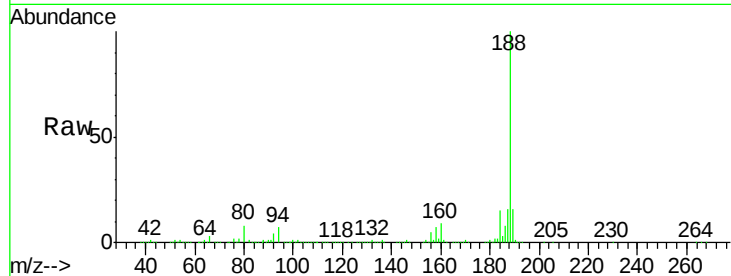
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.49 min Scan# 2418
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Instrument :
BNA_G
ClientSampleId :
IDOC-SOIL-4

Tot Ion	Ratio	Resp	Lower	Upper
188	100	480678		
94	6.8		6.9	10.3#
80	8.2		7.7	11.5

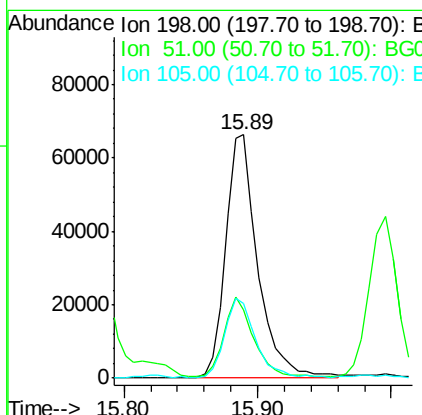
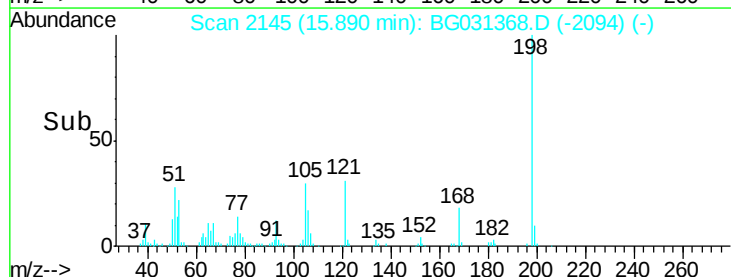
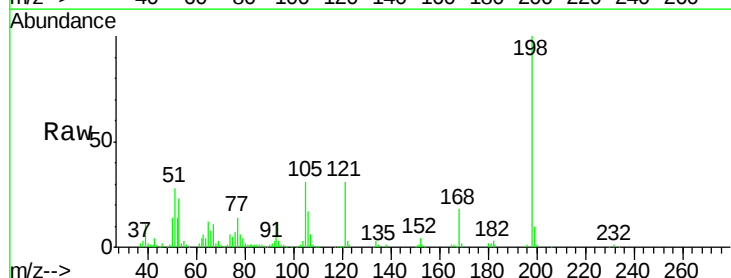
Manual Integrations
APPROVED

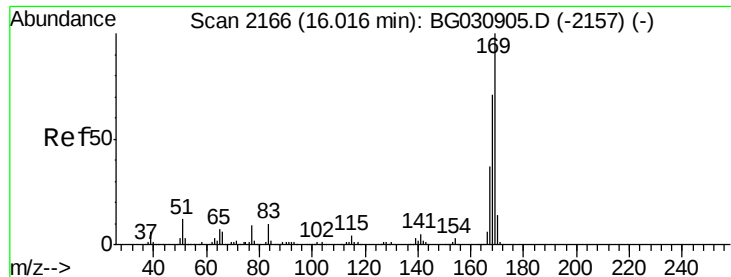
Sohil
12/5/2017 3:27:28 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 34.81 ng
RT: 15.89 min Scan# 2145
Delta R.T. -0.00 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	111218		
51	27.8		30.6	70.6#
105	30.9		23.8	63.8





#65

n-Nitrosodiphenylamine

Concen: 38.63 ng

RT: 16.00 min Scan# 2163

Delta R.T. -0.02 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Instrument :

BNA_G

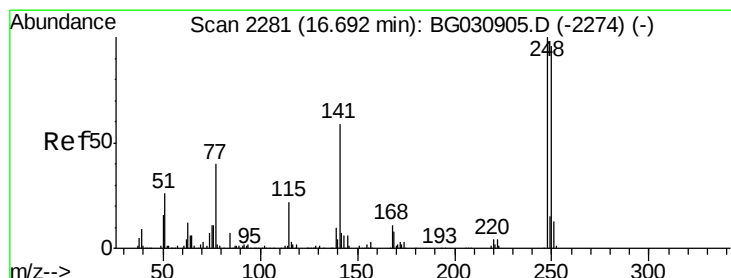
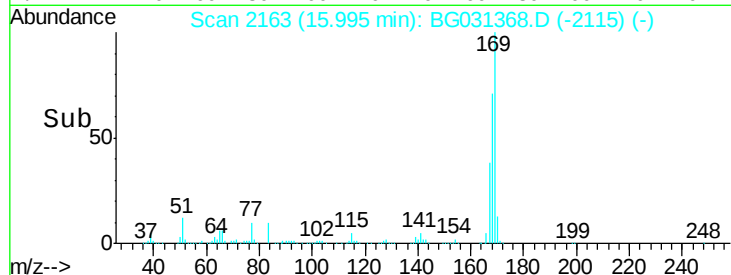
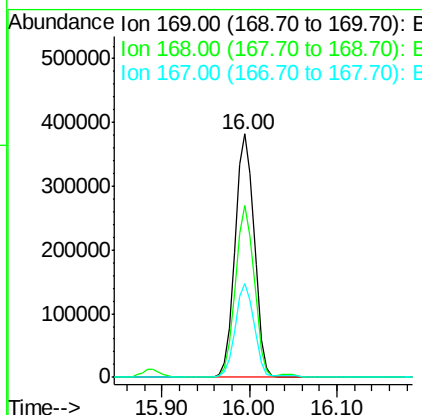
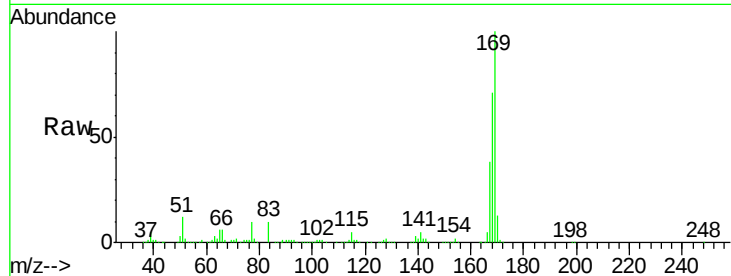
ClientSampled :

IDOC-SOIL-4

Tot Ion:	169	Resp:	562726
Ion Ratio	Lower	Upper	
169	100		
168	70.7	55.7	83.5
167	38.4	30.1	45.1

Manual Integrations
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#66

4-Bromophenyl-phenylether

Concen: 38.97 ng

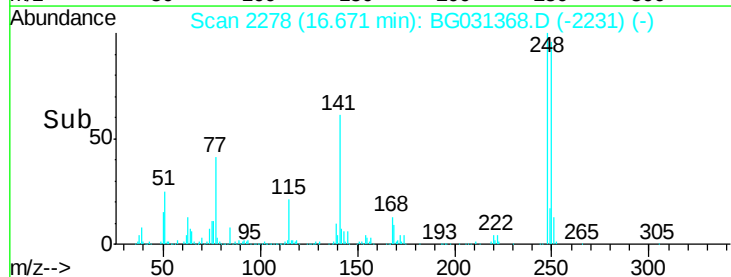
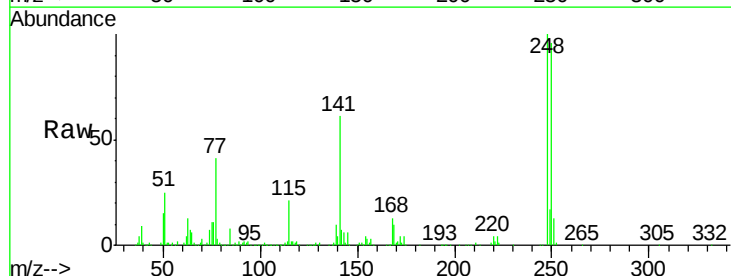
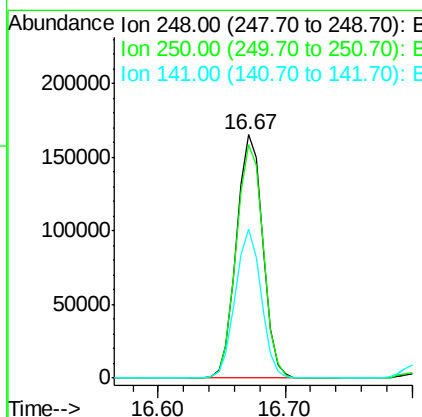
RT: 16.67 min Scan# 2278

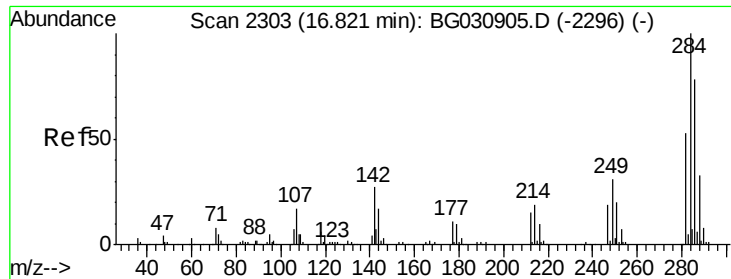
Delta R.T. -0.02 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Tgt Ion:	248	Resp:	237242
Ion Ratio	Lower	Upper	
248	100		
250	95.7	77.1	115.7
141	61.0	50.8	76.2





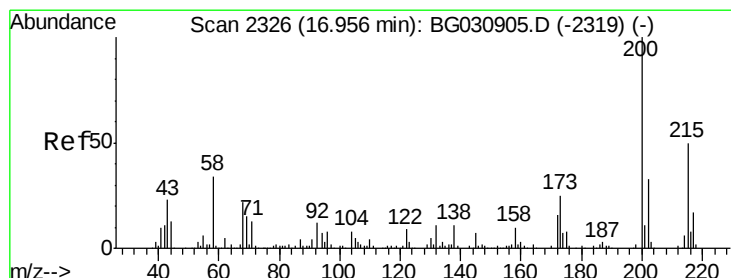
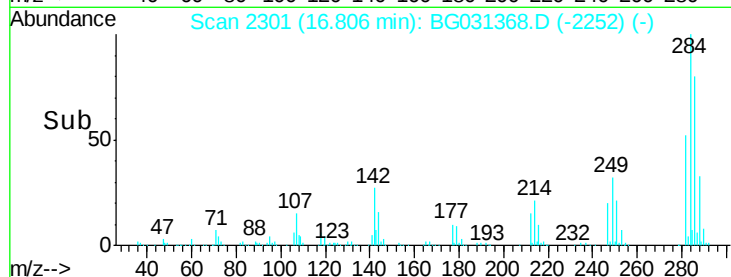
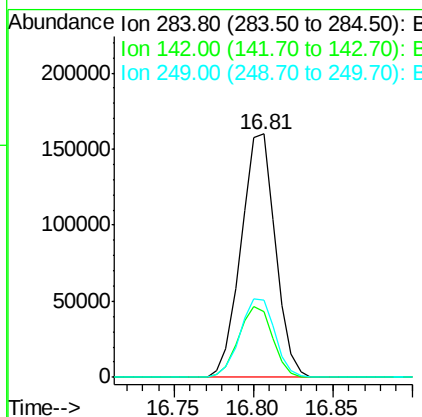
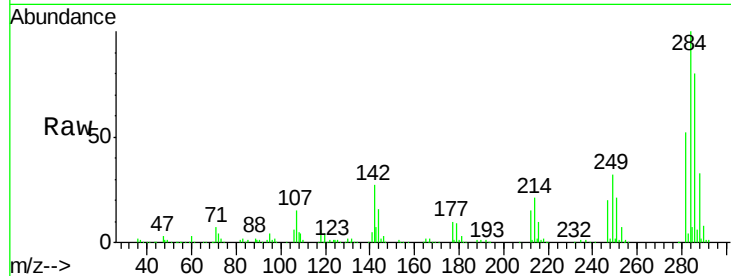
#67
Hexachlorobenzene
Concen: 37.07 ng
RT: 16.81 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Instrument :
BNA_G
ClientSampleId :
IDOC-SOIL-4

Tot Ion	Ratio	Resp	Lower	Upper
284	100	239828		
142	27.0	26.8	40.2	
249	31.6	26.3	39.5	

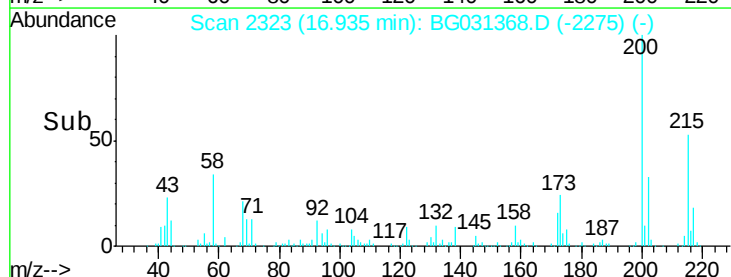
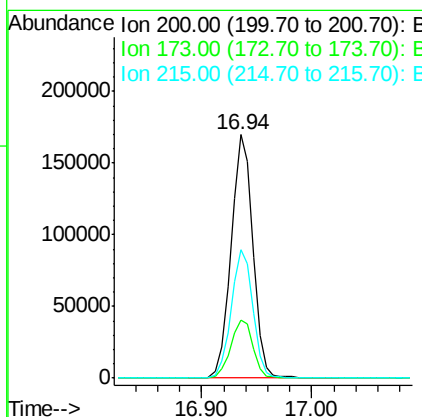
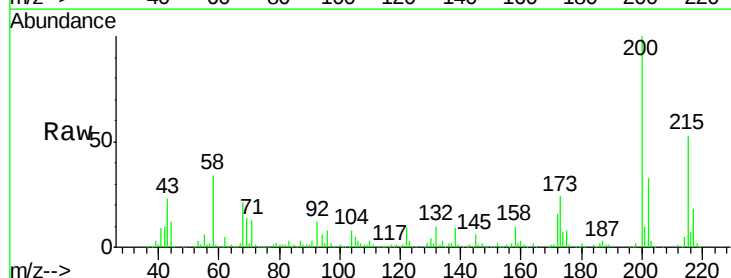
Manual Integrations
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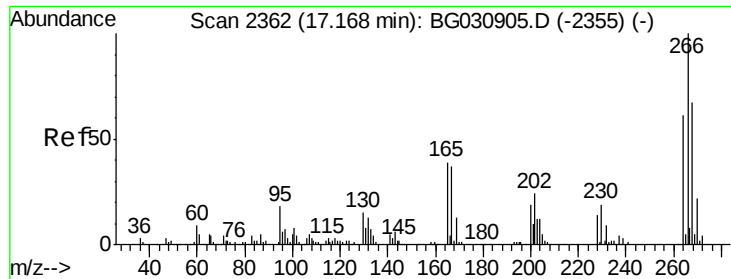
Sohil
12/5/2017 3:27:28 PM



#68
Atrazine
Concen: 39.07 ng
RT: 16.94 min Scan# 2323
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	234819		
173	24.0	5.2	45.2	
215	53.0	30.4	70.4	





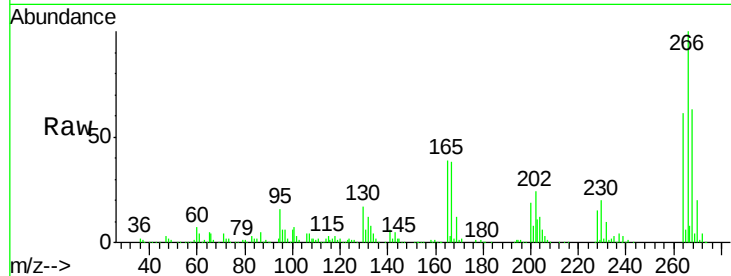
#69
 Pentachlorophenol
 Concen: 67.48 ng
 RT: 17.15 min Scan# 2360
 Delta R.T. -0.01 min
 Lab File: BG031368.D
 Acq: 5 Dec 2017 4:38

Instrument :
 BNA_G
 ClientSampleId :
 IDOC-SOIL-4

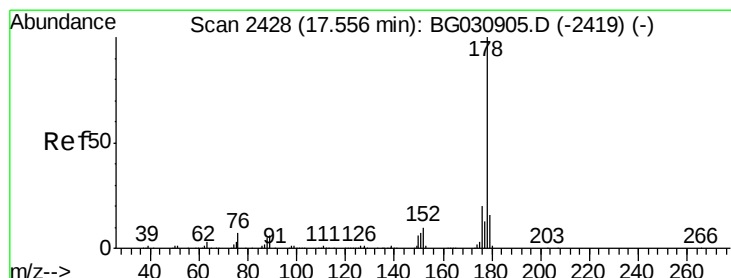
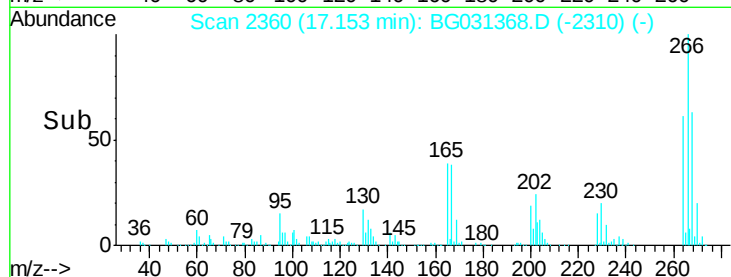
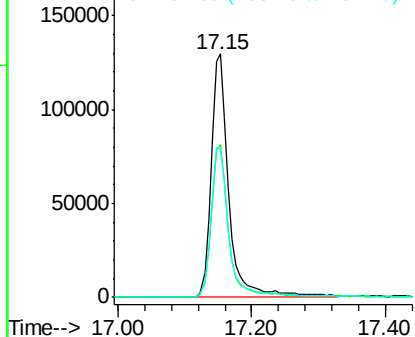
Tot Ion	Ratio	Lower	Upper
266	100		
268	62.9	51.1	76.7
264	60.8	49.6	74.4

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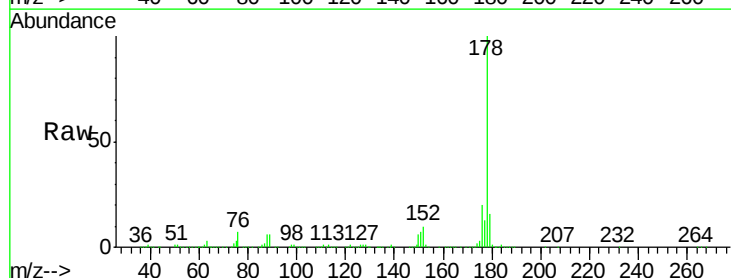


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

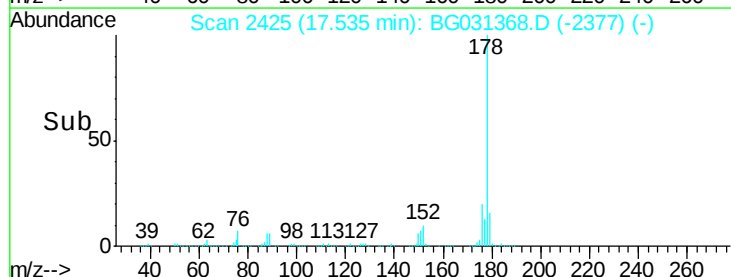
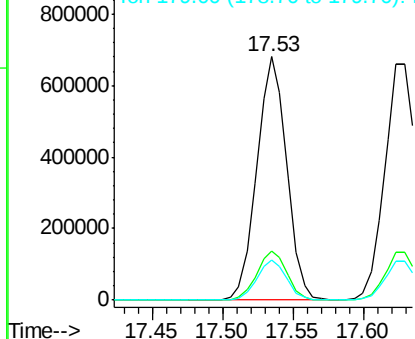


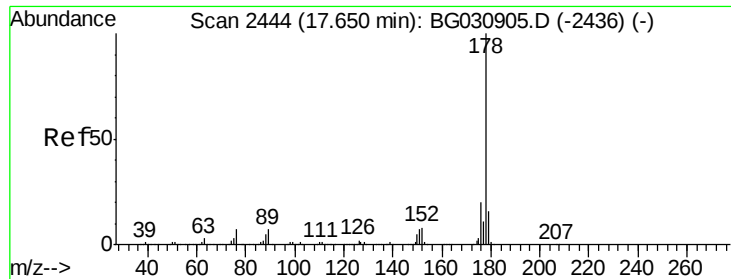
#70
 Phenanthrene
 Concen: 40.39 ng
 RT: 17.53 min Scan# 2425
 Delta R.T. -0.02 min
 Lab File: BG031368.D
 Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.7	23.5
179	16.4	12.5	18.7



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





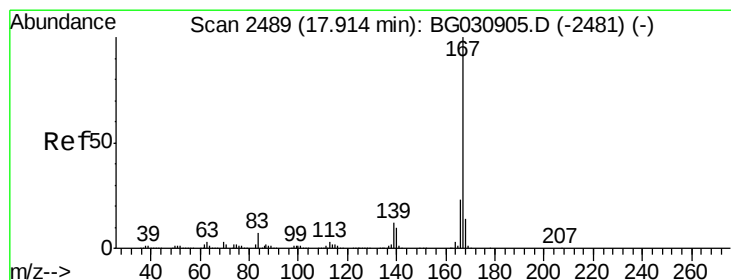
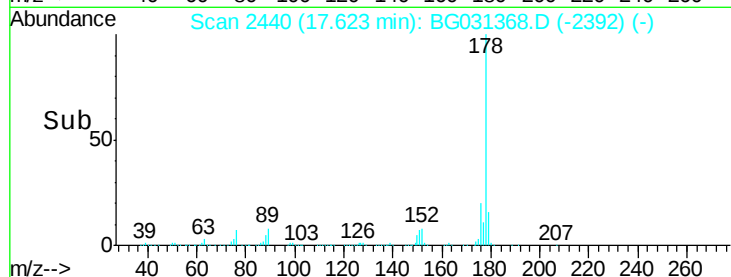
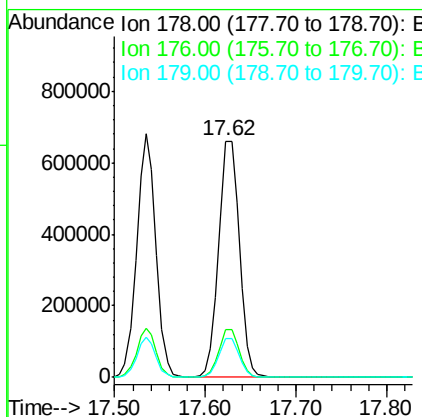
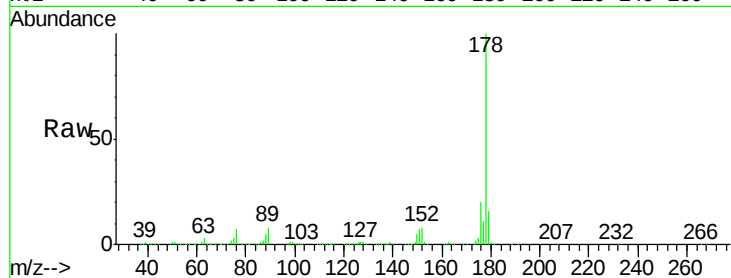
#71
 Anthracene
 Concen: 41.79 ng
 RT: 17.62 min Scan# 2440
 Delta R.T. -0.02 min
 Lab File: BG031368.D
 Acq: 5 Dec 2017 4:38

Instrument :
 BNA_G
 ClientSampleId :
 IDOC-SOIL-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.0	24.0
179	16.2	12.5	18.7

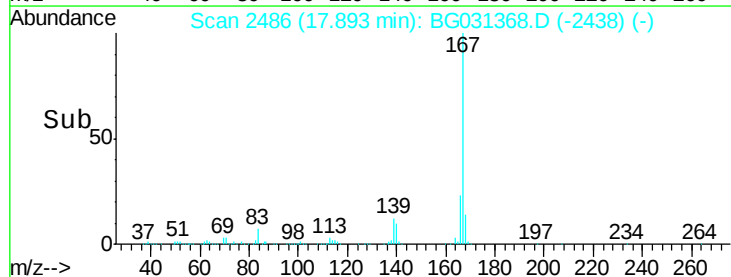
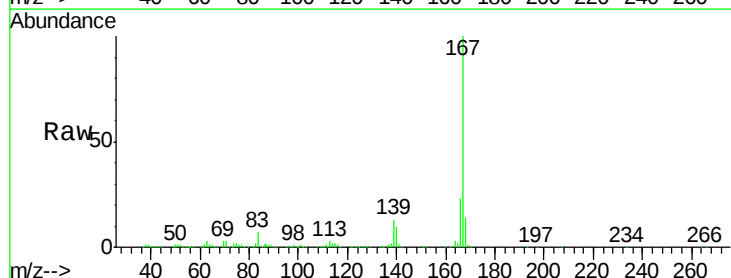
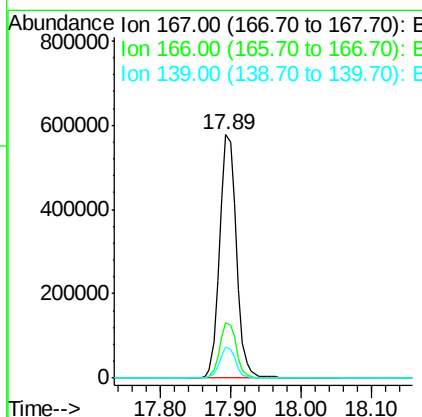
Manual Integrations
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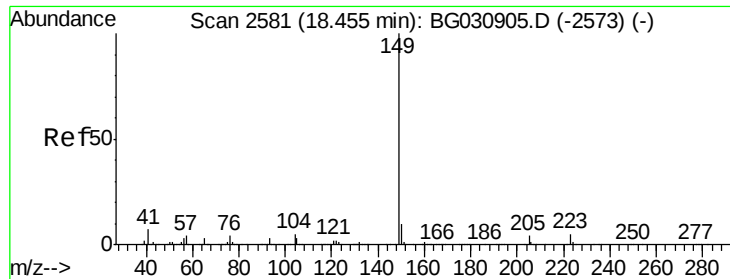
Sohil
 12/5/2017 3:27:28 PM



#72
 Carbazole
 Concen: 40.58 ng
 RT: 17.89 min Scan# 2486
 Delta R.T. -0.02 min
 Lab File: BG031368.D
 Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.2	27.4
139	12.6	9.4	14.2





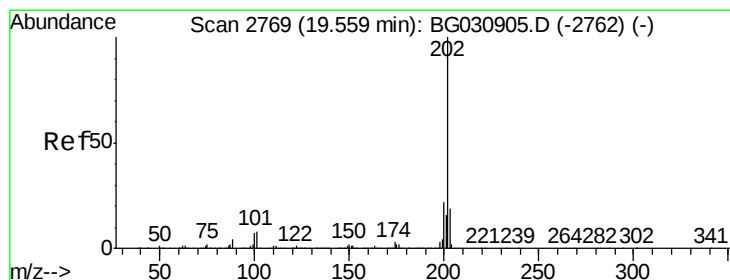
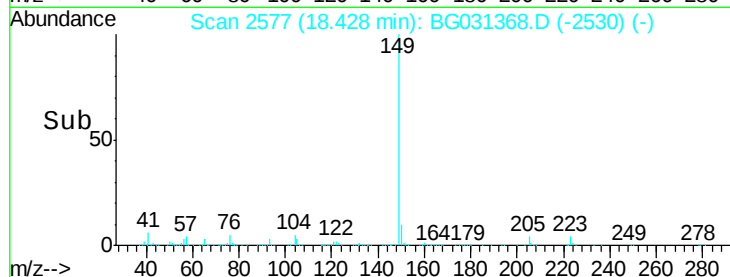
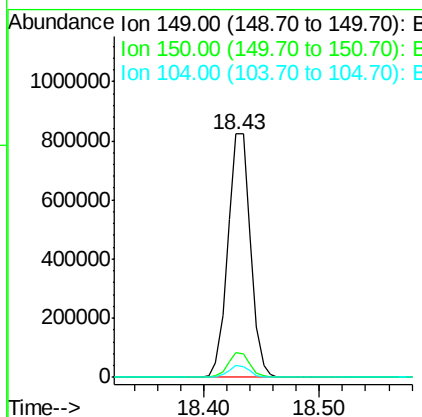
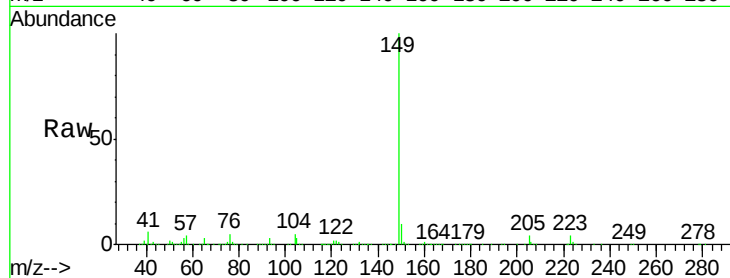
#73
Di-n-butylphthalate
Concen: 38.58 ng
RT: 18.43 min Scan# 2577
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Instrument :
BNA_G
ClientSampleId :
IDOC-SOIL-4

Tot Ion	Ratio	Lower	Upper
149	100		
150	10.1	7.8	11.6
104	5.0	3.9	5.9

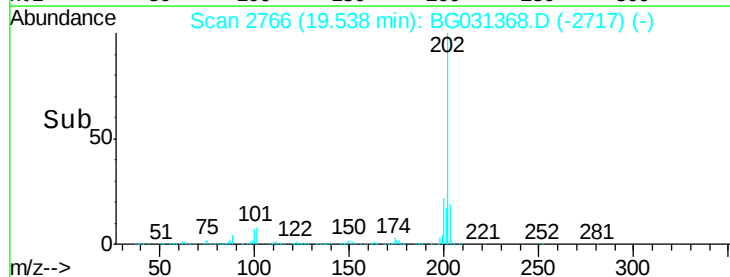
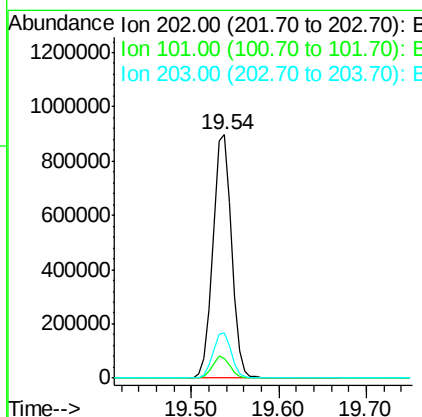
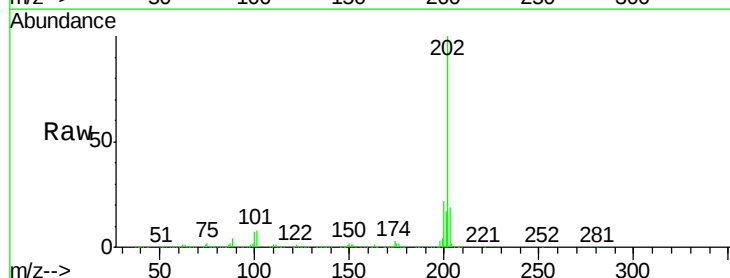
Manual Integrations
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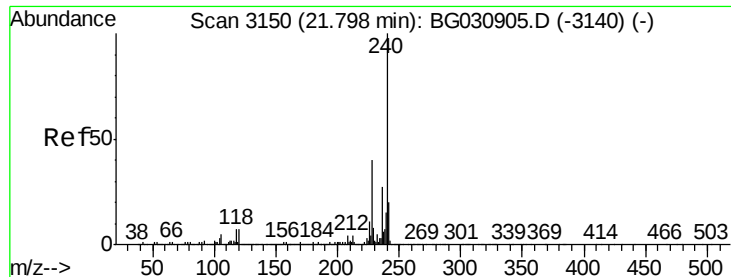
Sohil
12/5/2017 3:27:28 PM



#74
Fluoranthene
Concen: 42.03 ng
RT: 19.54 min Scan# 2766
Delta R.T. -0.01 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.3	0.0	28.9
203	18.6	0.0	37.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.77 min Scan# 3145

Delta R.T. -0.02 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Instrument :

BNA_G

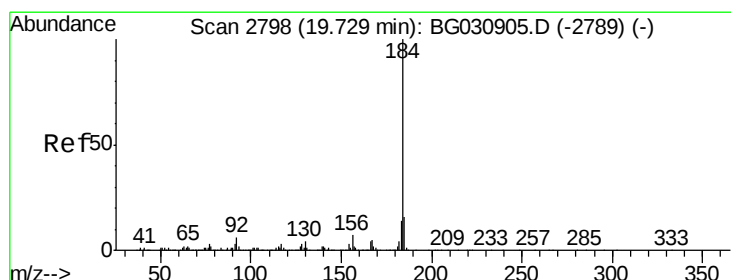
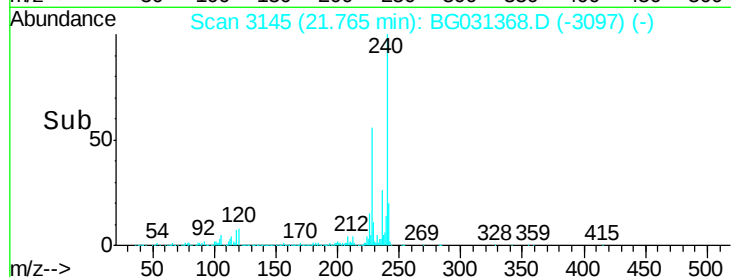
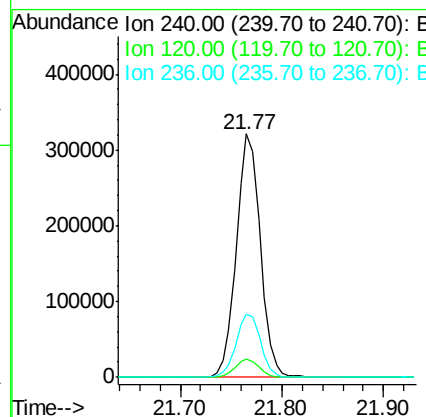
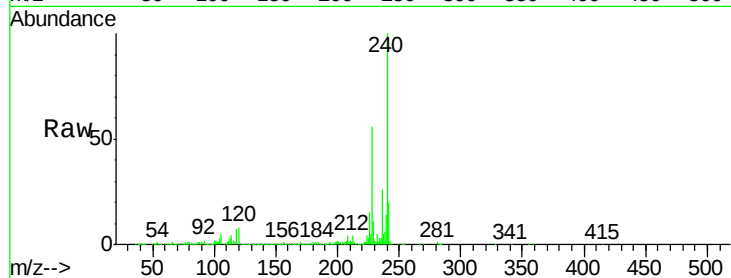
ClientSampleId :

IDOC-SOIL-4

Tot Ion:	240	Resp:	528625
Ion Ratio	Lower	Upper	
240	100		
120	7.8	6.8	10.2
236	26.0	20.9	31.3

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#76

Benzidine

Concen: 14.98 ng

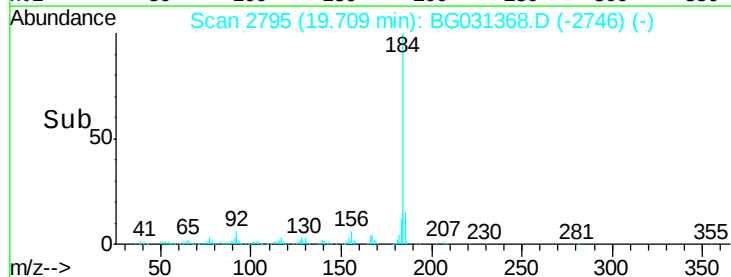
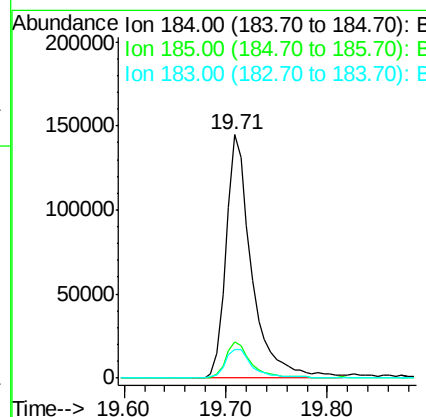
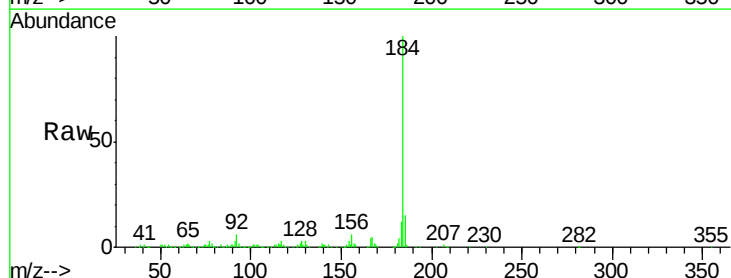
RT: 19.71 min Scan# 2795

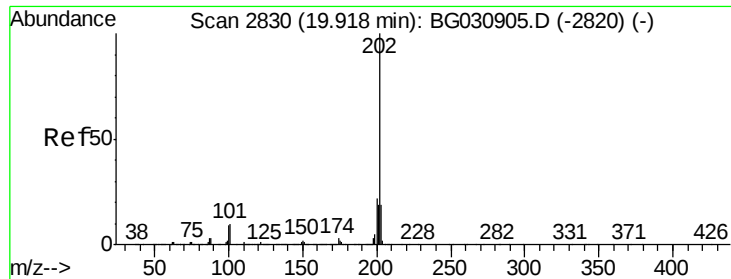
Delta R.T. -0.01 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Tgt Ion:	184	Resp:	254350
Ion Ratio	Lower	Upper	
184	100		
185	14.8	11.1	16.7
183	11.9	10.6	16.0





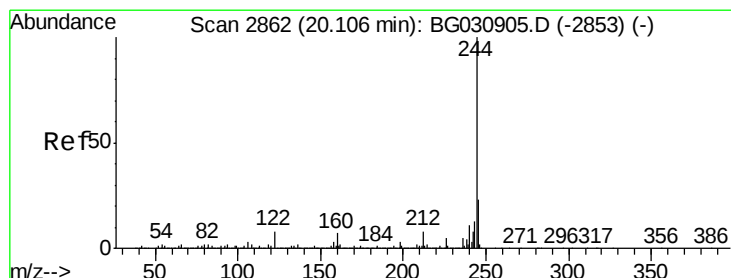
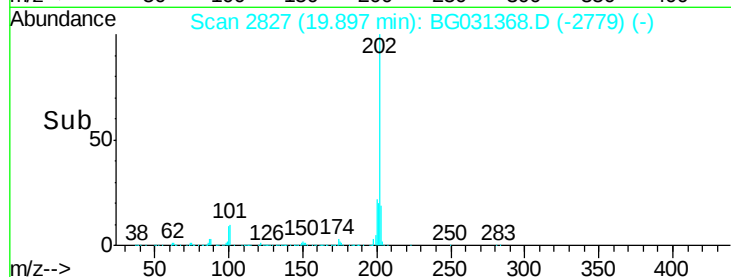
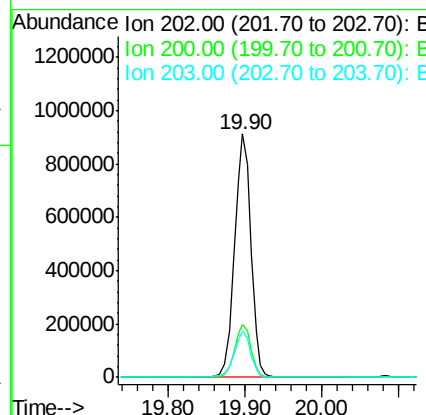
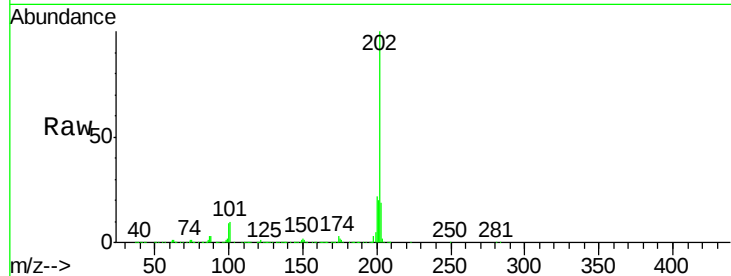
#77
Pvrene
Concen: 43.15 ng
RT: 19.90 min Scan# 2827
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Instrument :
BNA_G
ClientSampleId :
IDOC-SOIL-4

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.9	25.3
203	19.3	13.9	20.9

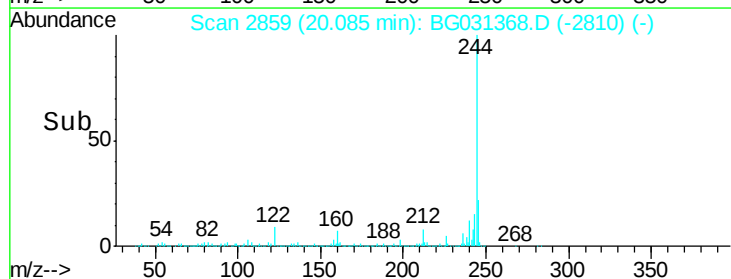
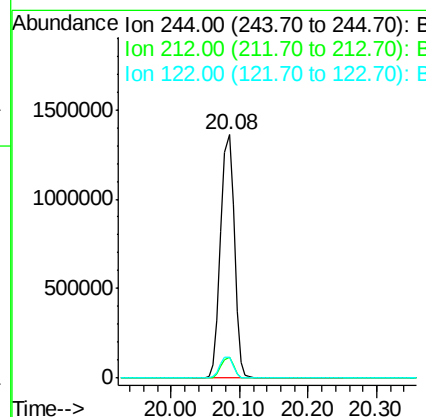
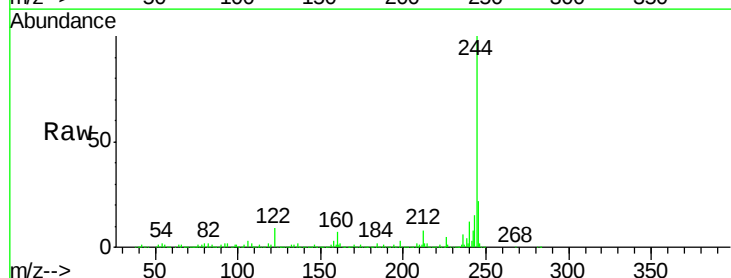
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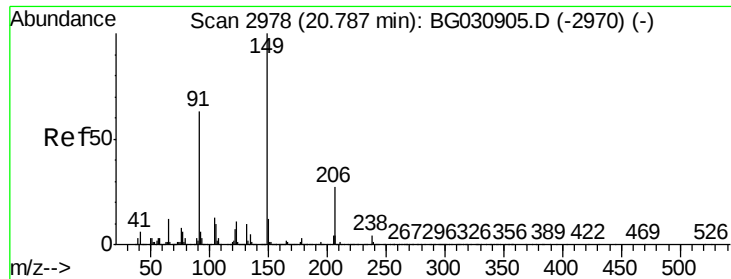
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#78
Terphenyl-d14
Concen: 78.79 ng
RT: 20.08 min Scan# 2859
Delta R.T. -0.01 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.4	5.8	8.8
122	8.7	7.0	10.4





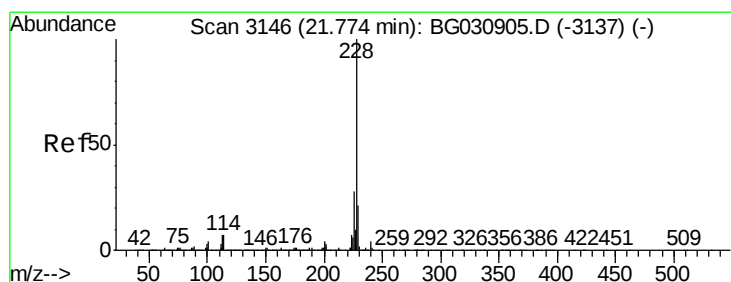
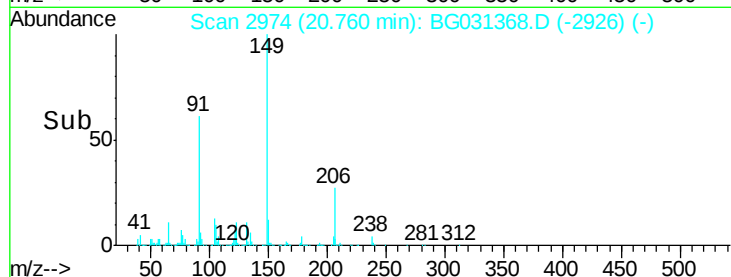
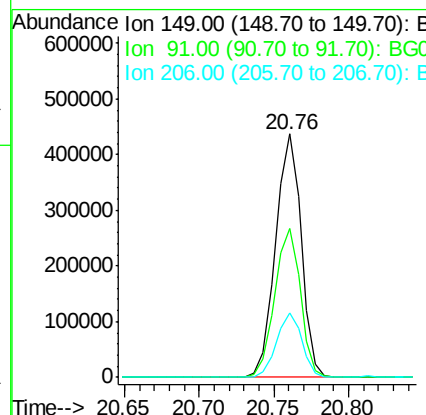
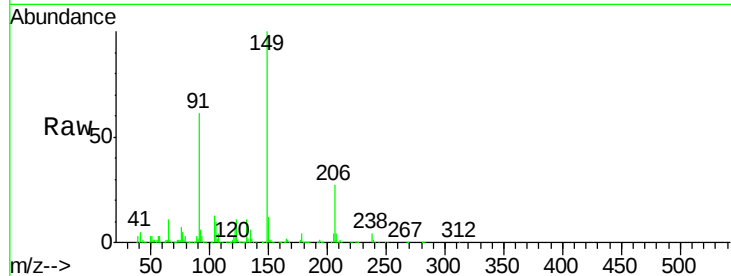
#79
Butylbenzylphthalate
Concen: 41.66 ng
RT: 20.76 min Scan# 2974
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Instrument :
BNA_G
ClientSampled :
IDOC-SOIL-4

Tot Ion	Ratio	Lower	Upper
149	100		
91	61.0	62.2	93.2#
206	26.5	18.6	27.8

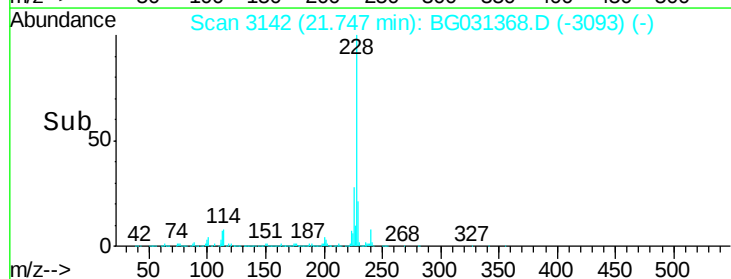
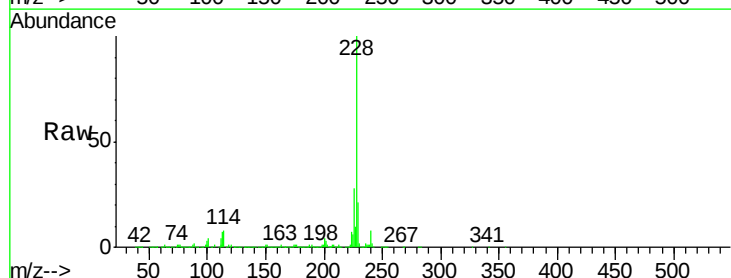
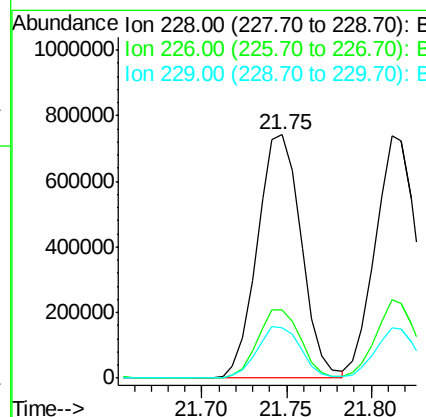
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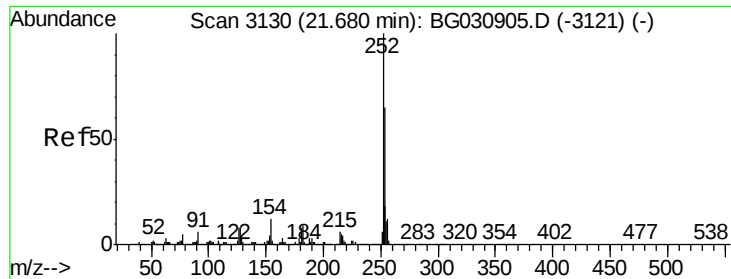
Sohil
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#80
Benzo(a)anthracene
Concen: 40.85 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.7	34.1
229	20.9	16.2	24.2





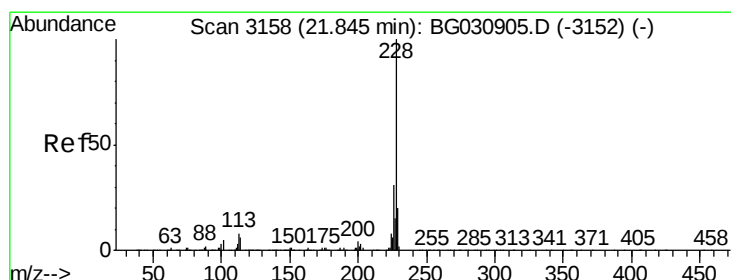
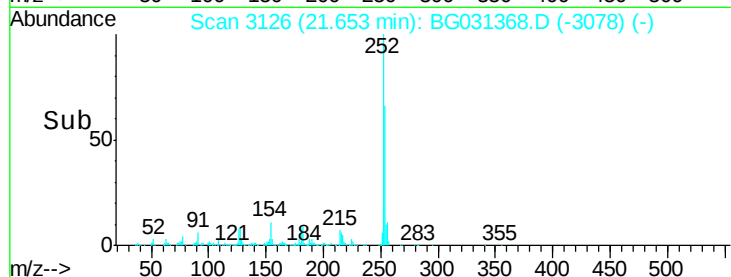
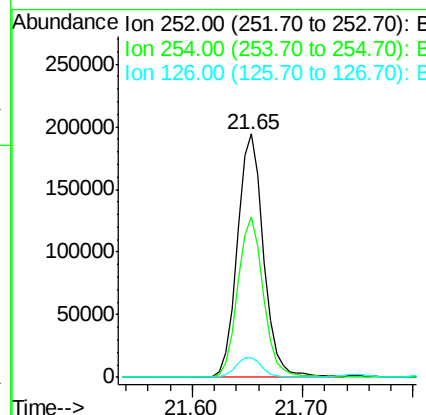
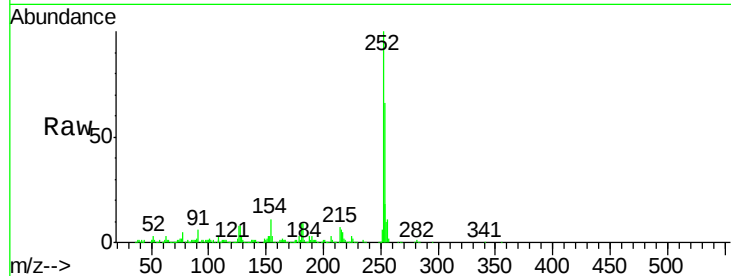
#81
 3,3'-Dichlorobenzidine
 Concen: 24.43 ng
 RT: 21.65 min Scan# 3126
 Delta R.T. -0.02 min
 Lab File: BG031368.D
 Acq: 5 Dec 2017 4:38

Instrument :
 BNA_G
 ClientSampled :
 IDOC-SOIL-4

Tot Ion	Ratio	Lower	Upper
252	100		
254	65.9	50.8	76.2
126	7.9	7.4	11.2

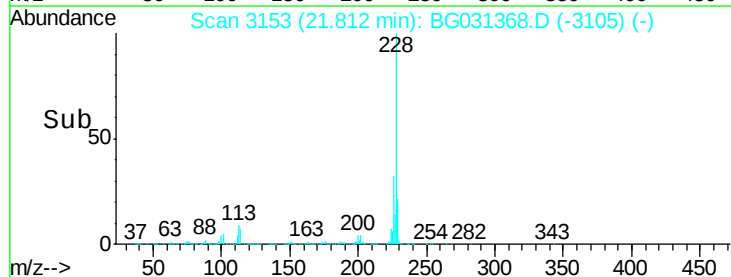
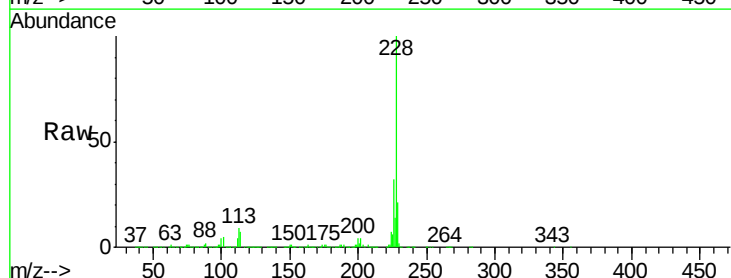
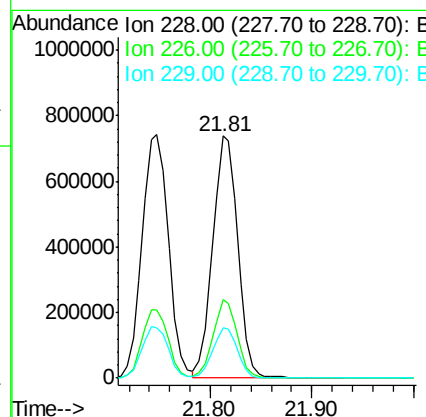
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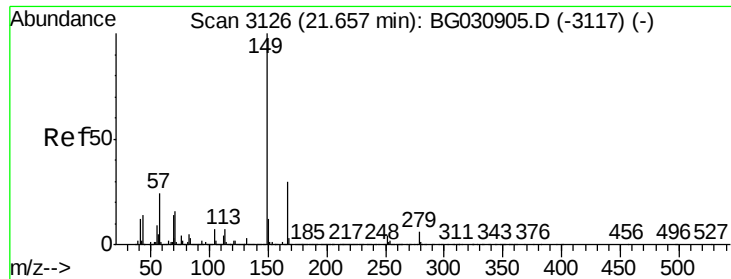
Sohil
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#82
 Chrysene
 Concen: 41.49 ng
 RT: 21.81 min Scan# 3153
 Delta R.T. -0.02 min
 Lab File: BG031368.D
 Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.9	37.3
229	21.0	15.0	22.4





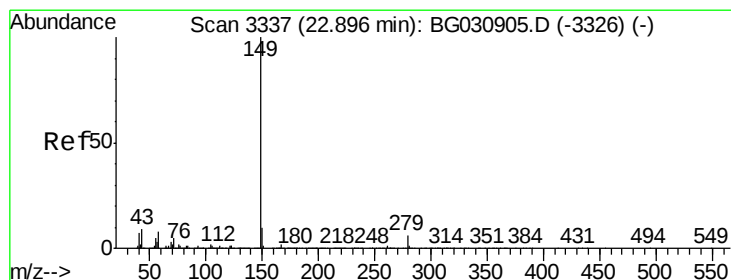
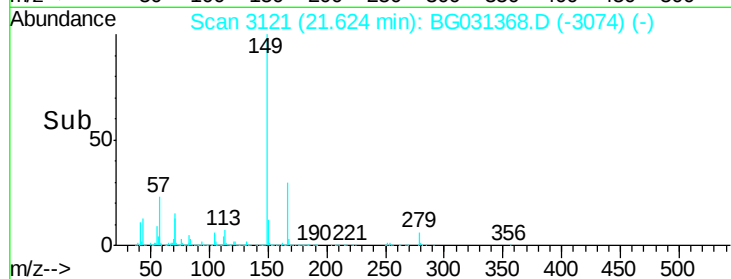
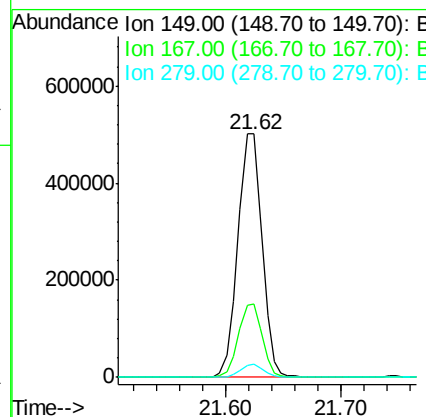
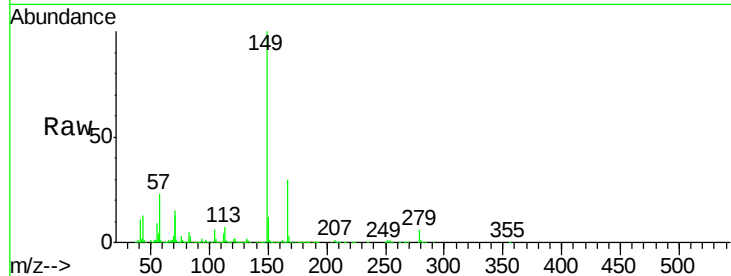
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 40.27 ng
 RT: 21.62 min Scan# 3121
 Delta R.T. -0.02 min
 Lab File: BG031368.D
 Acq: 5 Dec 2017 4:38

Instrument :
 BNA_G
 ClientSampleId :
 IDOC-SOIL-4

Tot Ion	Ratio	Lower	Upper
149	100		
167	30.0	24.3	36.5
279	5.6	4.0	6.0

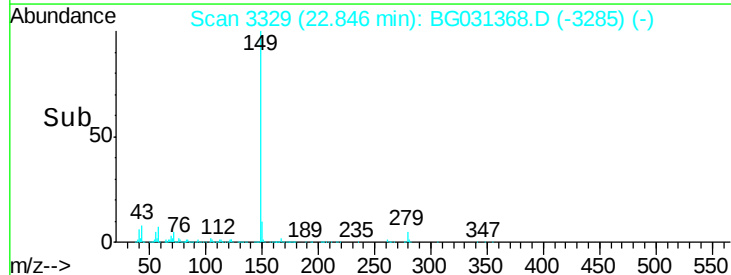
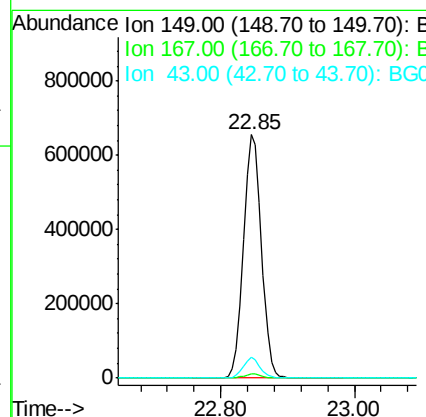
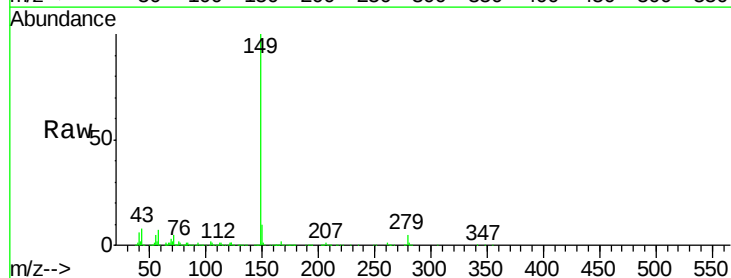
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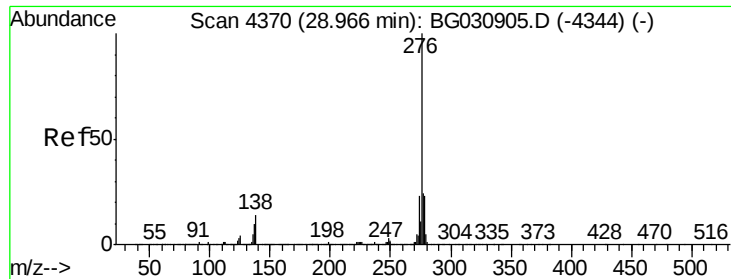
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#84
 Di-n-octyl phthalate
 Concen: 41.65 ng
 RT: 22.85 min Scan# 3329
 Delta R.T. -0.04 min
 Lab File: BG031368.D
 Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.4	2.0
43	7.9	8.9	13.3#





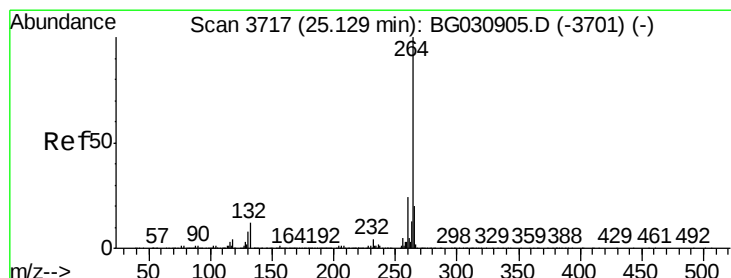
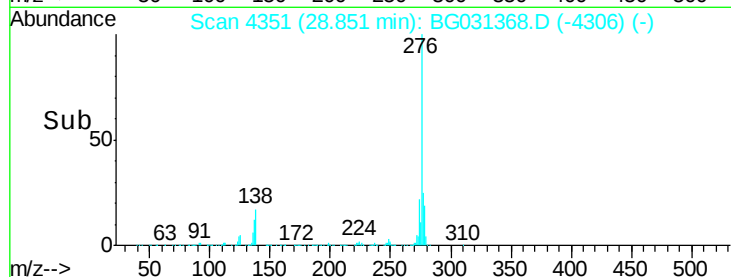
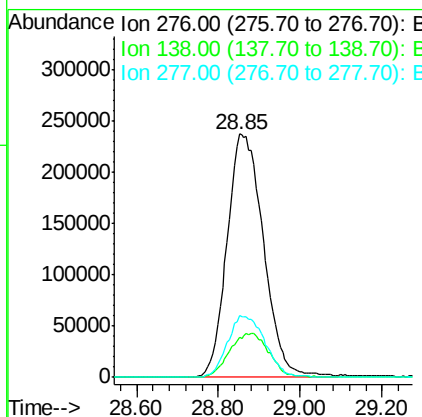
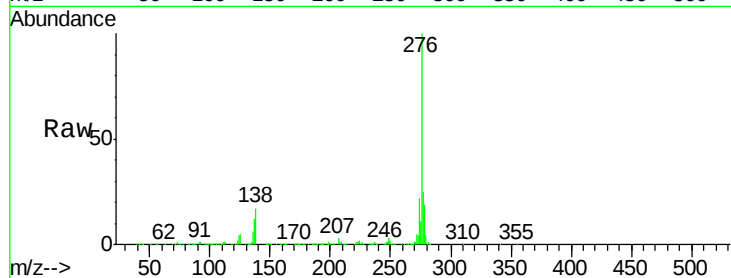
#85
Indeno(1,2,3-cd)pyrene
Concen: 39.74 ng
RT: 28.85 min Scan# 4351
Delta R.T. -0.04 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Instrument :
BNA_G
ClientSampleId :
IDOC-SOIL-4

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.6	16.0	24.0
277	26.1	20.0	30.0

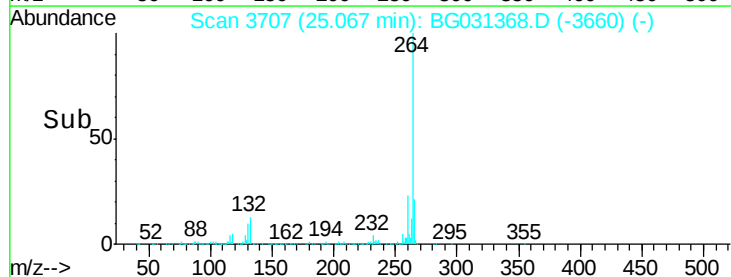
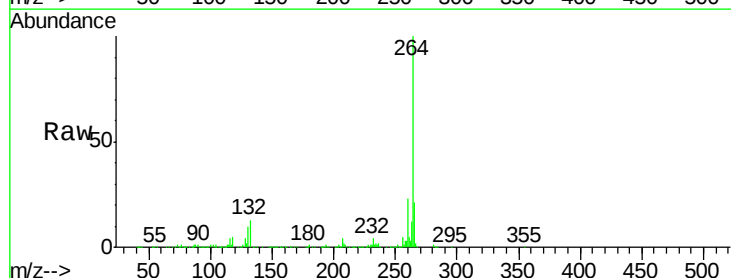
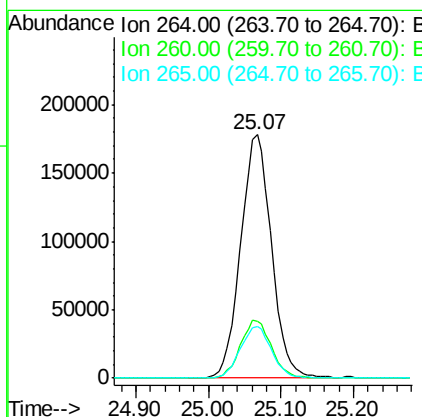
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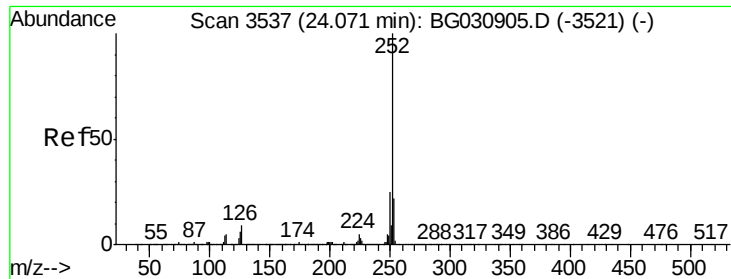
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#86
Perylene-d12
Concen: 20.00 ng
RT: 25.07 min Scan# 3707
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.0
265	21.3	17.7	26.5





#87

Benzo(b)fluoranthene

Concen: 41.90 ng

RT: 24.02 min Scan# 3528

Delta R.T. -0.02 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Instrument :

BNA_G

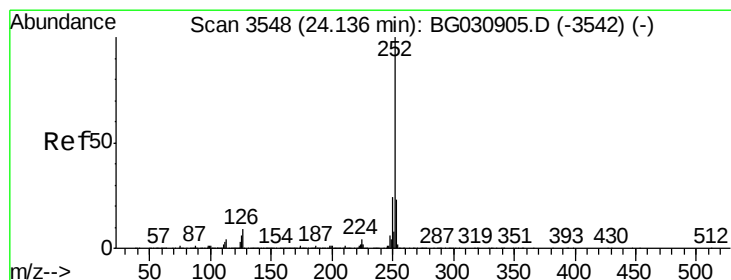
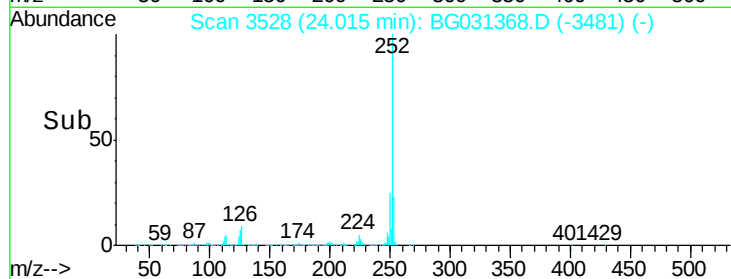
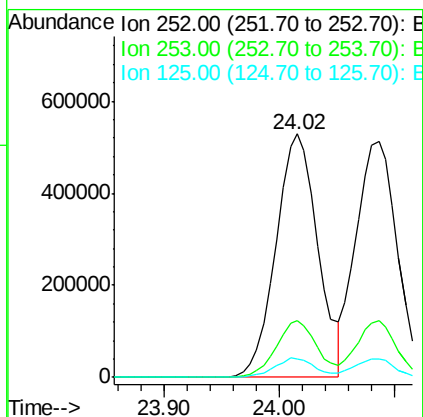
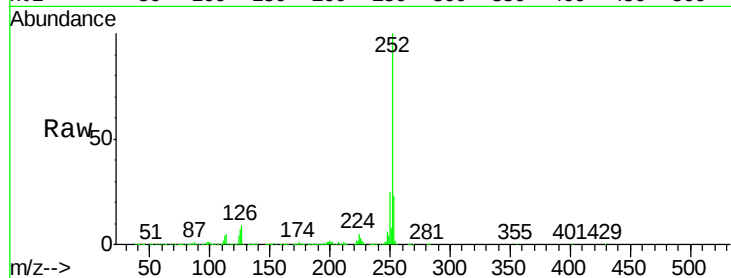
ClientSampleId :

IDOC-SOIL-4

Tot Ion:	252	Resp:	1331767
Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.4
125	7.4	7.2	10.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 40.46 ng

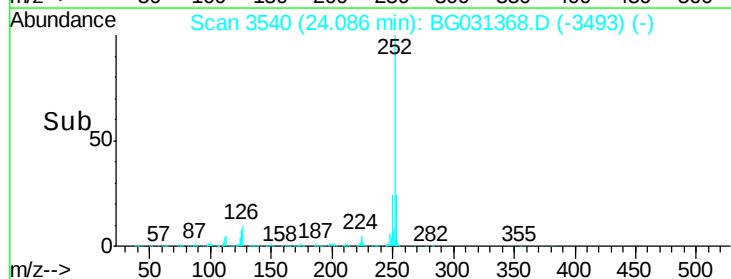
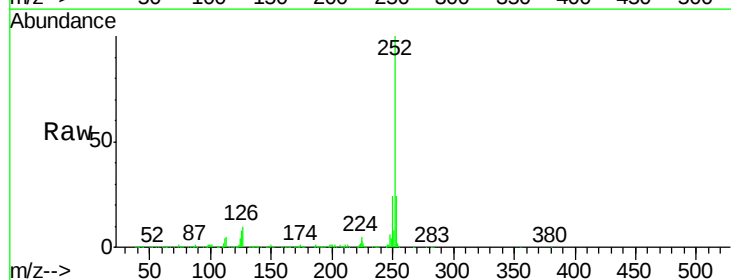
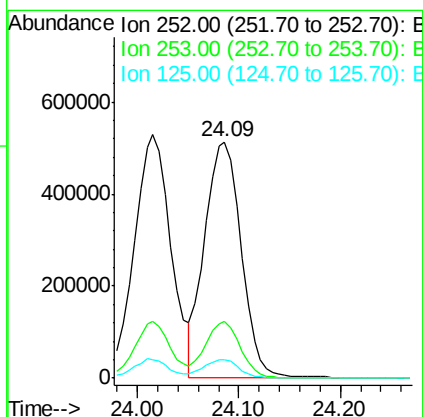
RT: 24.09 min Scan# 3540

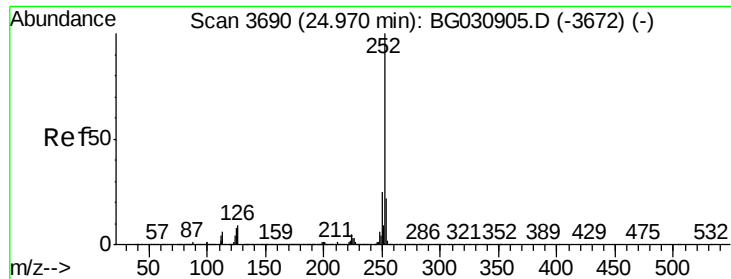
Delta R.T. -0.02 min

Lab File: BG031368.D

Acq: 5 Dec 2017 4:38

Tgt Ion:	252	Resp:	1274898
Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.2
125	8.0	6.6	9.8





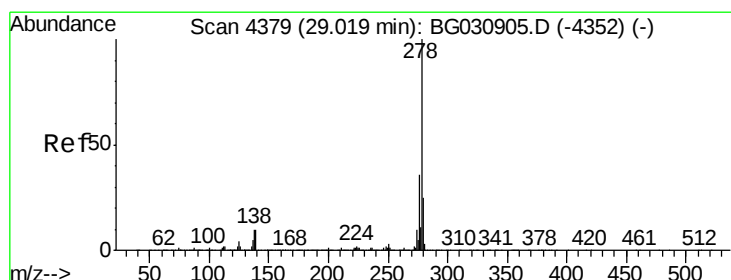
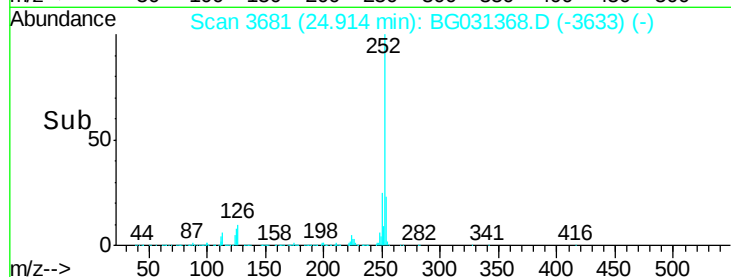
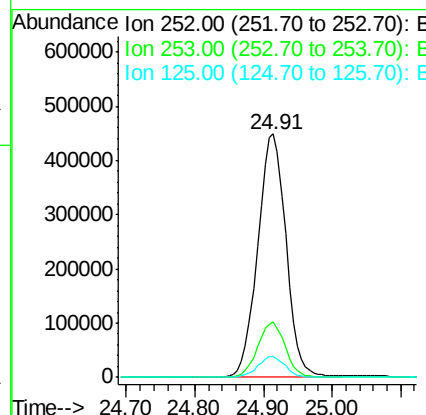
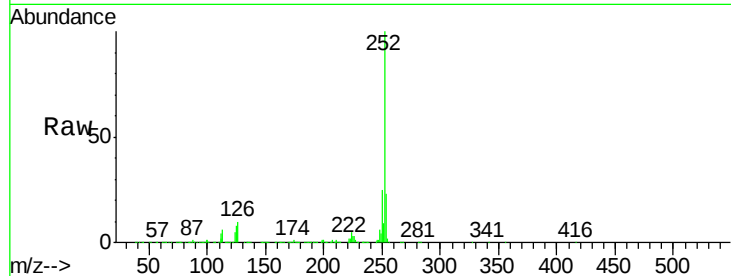
#89
Benzo(a)pyrene
Concen: 42.60 ng
RT: 24.91 min Scan# 3681
Delta R.T. -0.02 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Instrument :
BNA_G
ClientSampleId :
IDOC-SOIL-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.3	27.5
125	8.4	7.3	10.9

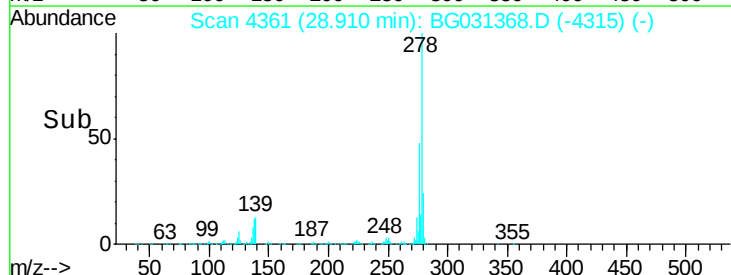
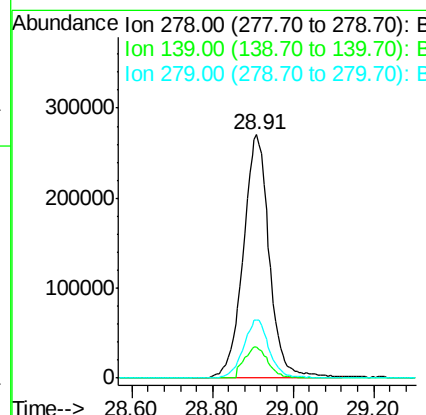
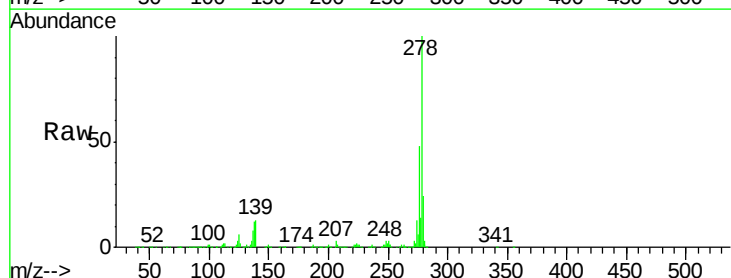
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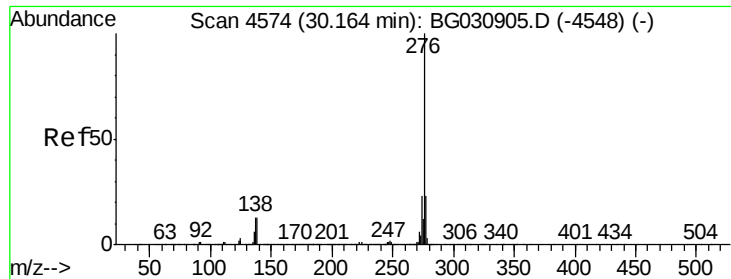
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 39.51 ng
RT: 28.91 min Scan# 4361
Delta R.T. -0.03 min
Lab File: BG031368.D
Acq: 5 Dec 2017 4:38

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.7	9.8	14.6
279	24.0	18.4	27.6





#91
 Benzo(a,h,i)perylene
 Concen: 40.30 ng
 RT: 30.05 min Scan# 4555
 Delta R.T. -0.02 min
 Lab File: BG031368.D
 Acq: 5 Dec 2017 4:38

Instrument :
 BNA_G
 ClientSampleId :
 IDOC-SOIL-4

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.3	27.5
138	16.6	13.9	20.9

Manual Integrations
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 12/5/2017 3:27:28 PM

