

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021219\
 Data File : BG039474.D
 Acq On : 12 Feb 2019 21:52
 Operator : JU/SJ
 Sample : K1457-01MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MS

Manual Integrations
 APPROVED

Sohil
 2/13/2019 9:56:56 AM

Quant Time: Feb 13 01:13:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	47770	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	216816	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	150512	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	364153	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	361807	20.00	ng	-0.01
87) Perylene-d12	25.22	264	376720	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	444717	159.33	ng	0.00
7) Phenol-d6	7.32	99	610723	148.65	ng	0.00
23) Nitrobenzene-d5	9.35	82	424580	122.34	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	286753	176.93	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	1000450	95.35	ng	-0.01
79) Terphenyl-d14	20.14	244	1566484	91.64	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.61	88	44491	36.441	ng	# 20
3) Pyridine	4.02	79	111416	34.468	ng	96
4) n-Nitrosodimethylamine	3.93	42	74275	45.945	ng	91
6) Aniline	7.50	93	85708	16.655	ng	97
8) 2-Chlorophenol	7.73	128	164359	53.872	ng	95
9) Benzaldehyde	7.31	77	62512	27.858	ng	93
10) Phenol	7.34	94	197835	46.194	ng	96
11) bis(2-Chloroethyl)ether	7.59	93	158285	46.773	ng	99
12) 1,3-Dichlorobenzene	8.06	146	159537	43.165	ng	96
13) 1,4-Dichlorobenzene	8.21	146	167279	45.409	ng	98
14) 1,2-Dichlorobenzene	8.53	146	157936	44.286	ng	97
15) Benzyl Alcohol	8.41	79	165380	51.273	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.70	45	307439	40.229	ng	98
17) 2-Methylphenol	8.61	107	145916	52.649	ng	97
18) Hexachloroethane	9.26	117	57833	45.631	ng	94
19) n-Nitroso-di-n-propylamine	8.98	70	137050	46.999	ng	93
20) 3+4-Methylphenols	8.93	107	202127	52.962	ng	98
22) Acetophenone	9.00	105	258693	44.418	ng	# 94
24) Nitrobenzene	9.39	77	199251	53.142	ng	99
25) Isophorone	9.91	82	390350	50.755	ng	99
26) 2-Nitrophenol	10.10	139	97721	61.102	ng	99
27) 2,4-Dimethylphenol	10.14	122	177641	57.098	ng	96
28) bis(2-Chloroethoxy)methane	10.39	93	228225	48.178	ng	95
29) 2,4-Dichlorophenol	10.63	162	190420	56.001	ng	94
30) 1,2,4-Trichlorobenzene	10.85	180	180848	47.373	ng	99
31) Naphthalene	11.05	128	543562	50.535	ng	100
32) Benzoic acid	10.27	122	107765	51.977	ng	97
33) 4-Chloroaniline	11.15	127	14207	2.849	ng	# 92
34) Hexachlorobutadiene	11.31	225	111894	44.074	ng	95
35) Caprolactam	11.94	113	49532m	35.202	ng	
36) 4-Chloro-3-methylphenol	12.25	107	209892	53.375	ng	98
37) 2-Methylnaphthalene	12.64	142	413553	51.911	ng	97
38) 1-Methylnaphthalene	12.86	142	396130	51.584	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.99	216	225267	47.040	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.96	237	267597	102.546	nq	99
43) 2,4,6-Trichlorophenol	13.23	196	160208	54.410	nq	99
44) 2,4,5-Trichlorophenol	13.30	196	173546	56.236	nq	98
46) 1,1'-Biphenyl	13.63	154	558567	44.603	nq	100
47) 2-Chloronaphthalene	13.68	162	431427	45.795	nq	99
48) 2-Nitroaniline	13.89	65	151126	54.488	nq	97
49) Acenaphthylene	14.53	152	699513	49.209	nq	99
50) Dimethylphthalate	14.24	163	575242	47.322	nq	99
51) 2,6-Dinitrotoluene	14.37	165	130138	56.013	nq	96
52) Acenaphthene	14.86	154	426586	46.231	nq	98
53) 3-Nitroaniline	14.70	138	37306	19.174	nq	# 88
54) 2,4-Dinitrophenol	14.91	184	132070	110.685	nq	99
55) Dibenzofuran	15.20	168	689175	46.583	nq	98
56) 4-Nitrophenol	15.00	139	203813	91.809	nq	93
57) 2,4-Dinitrotoluene	15.16	165	182571	60.333	nq	# 91
58) Fluorene	15.84	166	550638	49.928	nq	99
59) 2,3,4,6-Tetrachlorophenol	15.41	232	175782	60.835	nq	96
60) Diethylphthalate	15.60	149	580520	46.189	nq	97
61) 4-Chlorophenyl-phenylether	15.82	204	287683	46.068	nq	98
62) 4-Nitroaniline	15.87	138	129801	50.665	nq	96
63) Azobenzene	16.12	77	525372	42.768	nq	97
65) 4,6-Dinitro-2-methylphenol	15.91	198	100498	62.563	nq	96
66) n-Nitrosodiphenylamine	16.05	169	507881	45.868	nq	98
67) 4-Bromophenyl-phenylether	16.72	248	191207	47.330	nq	96
68) Hexachlorobenzene	16.84	284	199295	49.170	nq	93
69) Atrazine	16.99	200	187956	46.450	nq	99
70) Pentachlorophenol	17.18	266	257781	91.507	nq	98
71) Phenanthrene	17.59	178	914673	48.530	nq	98
72) Anthracene	17.68	178	920003	49.556	nq	98
73) Carbazole	17.95	167	806803	43.546	nq	99
74) Di-n-butylphthalate	18.48	149	973280	45.029	nq	99
75) Fluoranthene	19.58	202	1067879	48.815	nq	99
77) Benzidine	19.77	184	99939	8.425	nq	98
78) Pyrene	19.95	202	1071802	47.586	nq	98
80) Butylbenzylphthalate	20.82	149	461191	48.540	nq	95
81) Benzo(a)anthracene	21.81	228	1060446	49.602	nq	100
82) 3,3'-Dichlorobenzidine	21.72	252	169573	21.391	nq	98
83) Chrysene	21.88	228	990774	48.683	nq	99
84) Bis(2-ethylhexyl)phthalate	21.68	149	630448	46.511	nq	99
85) Di-n-octyl phthalate	22.95	149	1093868	48.847	nq	96
86) Indeno(1,2,3-cd)pyrene	29.11	276	1209363	55.386	nq	98
88) Benzo(b)fluoranthene	24.13	252	1054790	51.341	nq	100
89) Benzo(k)fluoranthene	24.21	252	989257	47.961	nq	99
90) Benzo(a)pyrene	25.06	252	1013002	51.198	nq	99
91) Dibenzo(a,h)anthracene	29.19	278	972930	52.507	nq	98
92) Benzo(g,h,i)perylene	30.34	276	992558	53.742	nq	99

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

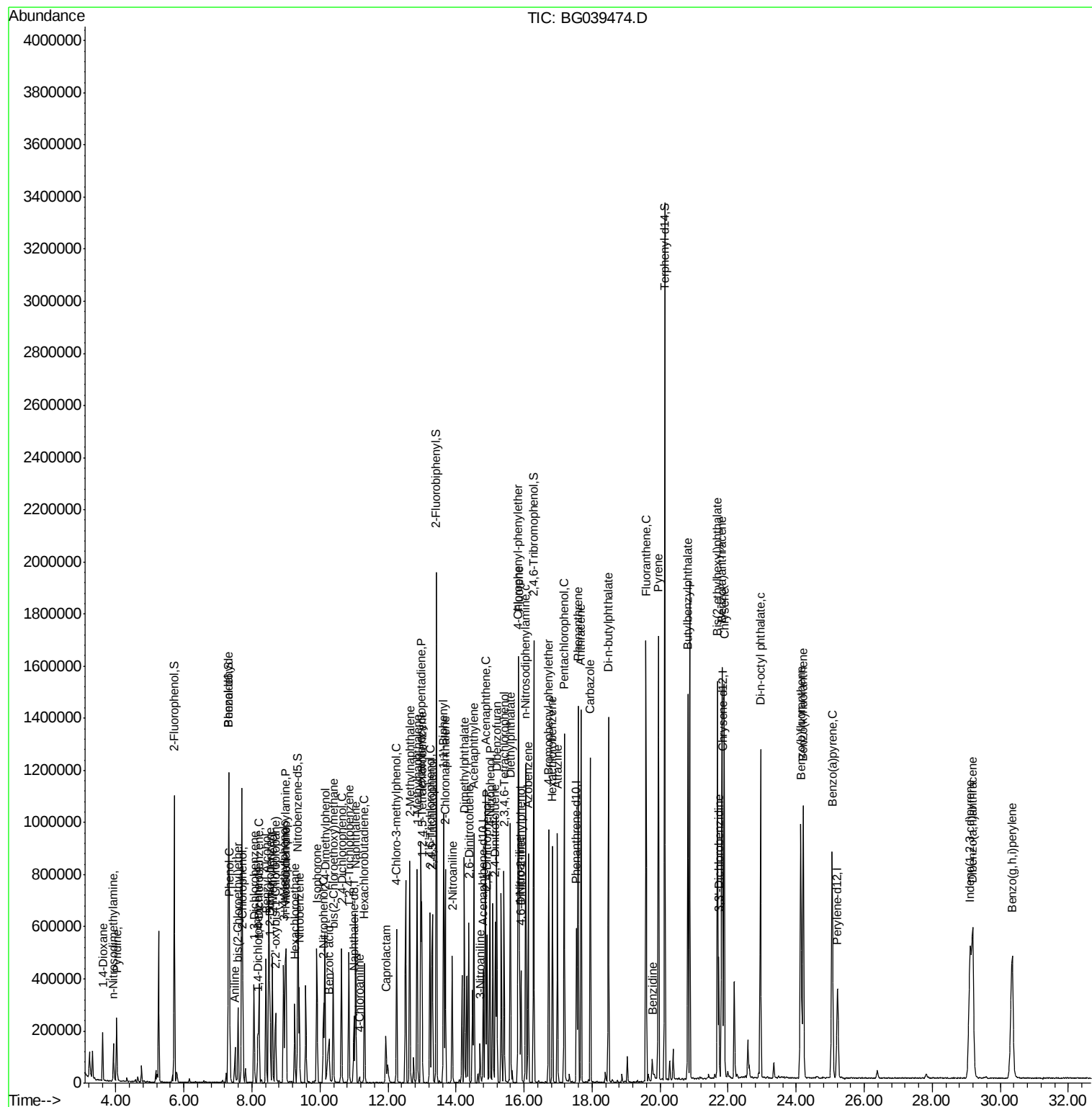
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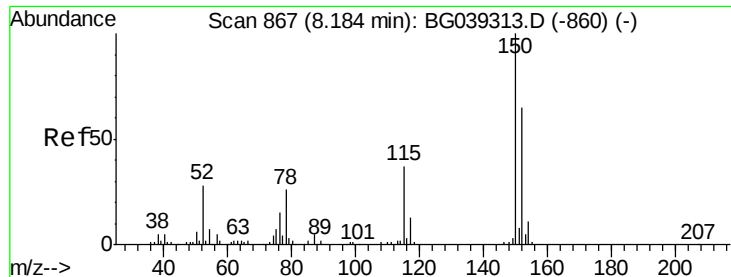
Instrument :
BNA_G
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#1

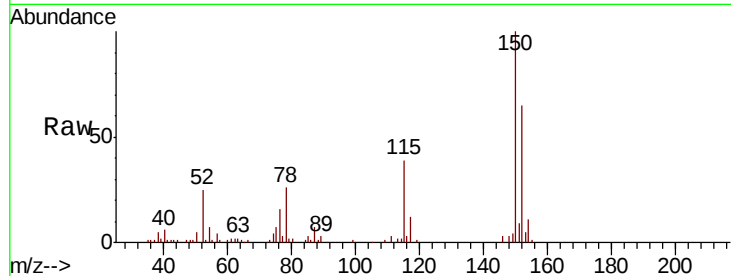
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	123.7	185.5
115	59.4	45.9	68.9

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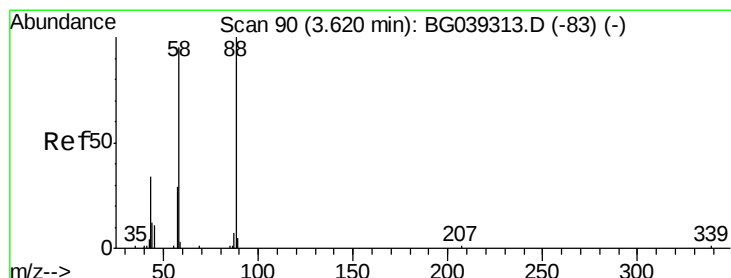
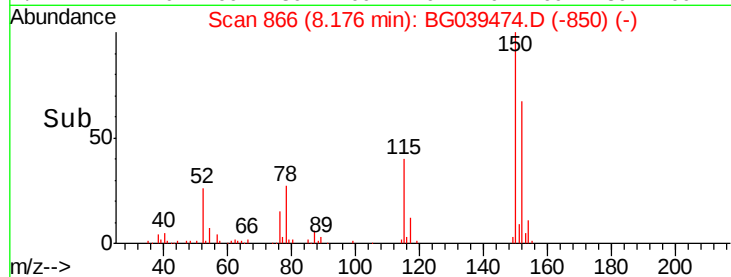
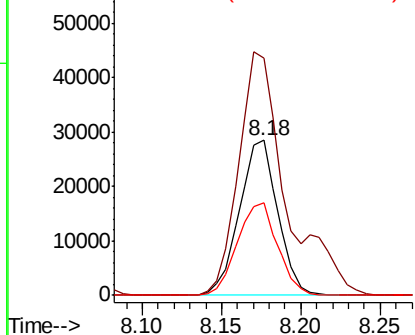


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

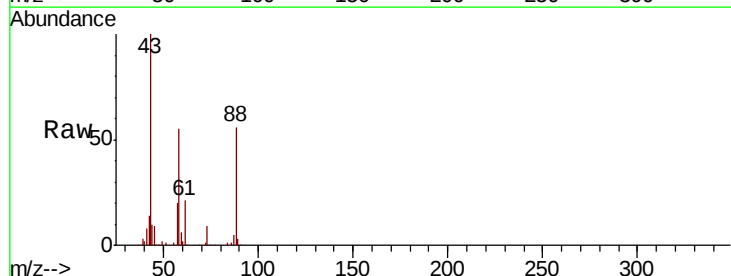
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 36.441 ng
RT: 3.61 min Scan# 89
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
88	100		
58	97.5	81.1	121.7
43	208.2	31.4	47.0#

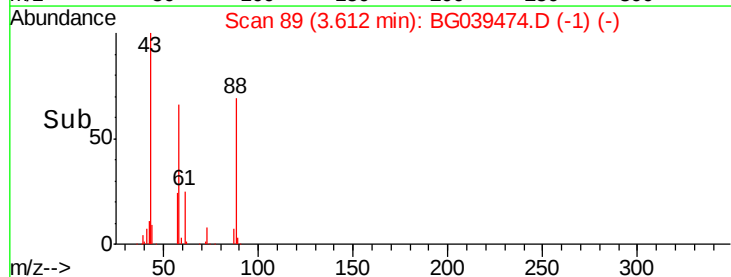
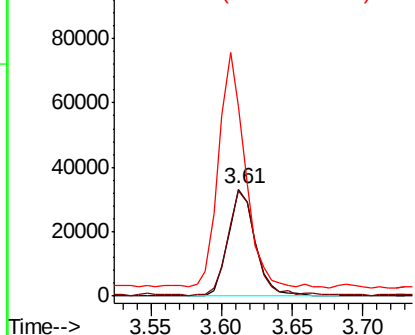


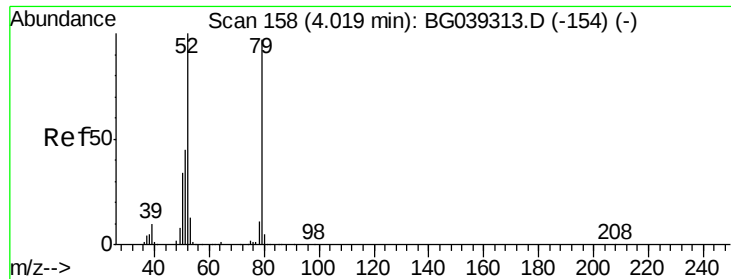
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 34.468 ng

RT: 4.02 min Scan# 158

Delta R.T. -0.00 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

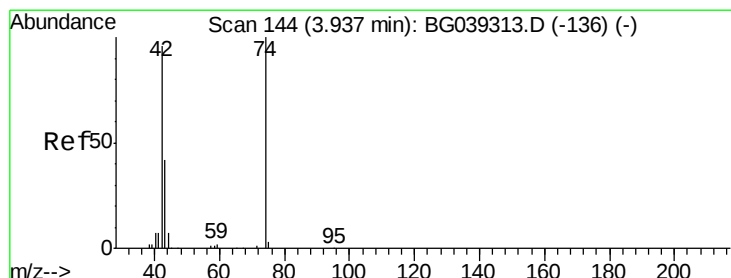
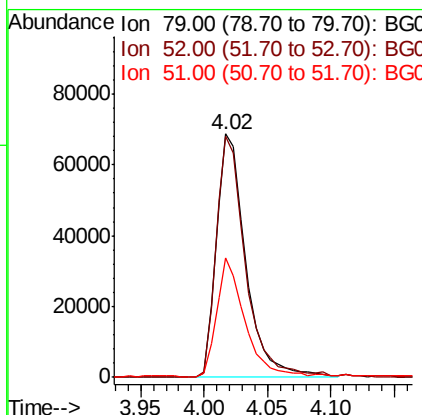
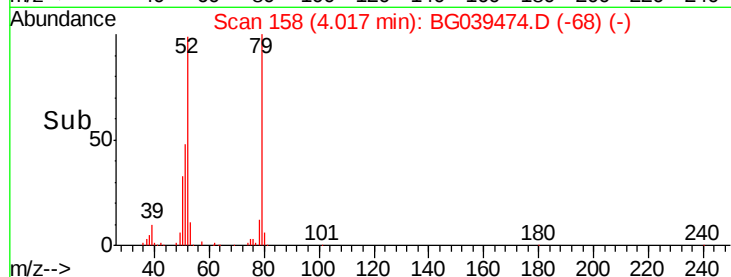
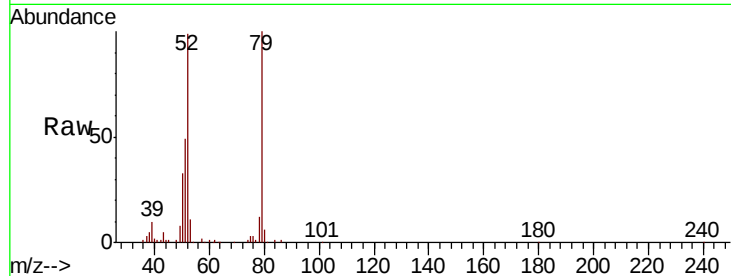
ClientSampleId :

IDW-SOIL-01MS

Tot Ion:	79	Resp:	111416
Ion Ratio	Lower	Upper	
79	100		
52	99.2	82.6	124.0
51	49.0	37.5	56.3

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#4

n-Nitrosodimethylamine

Concen: 45.945 ng

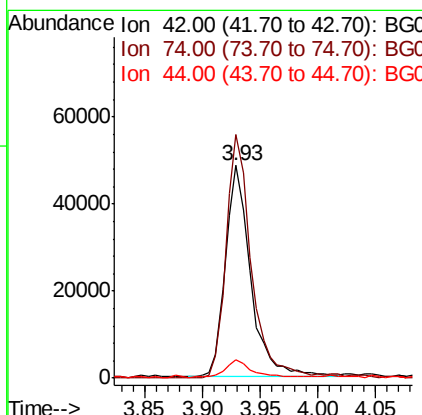
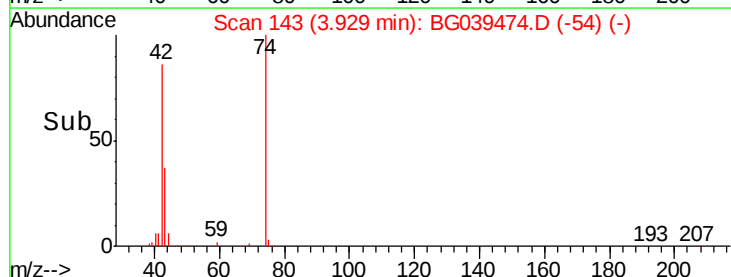
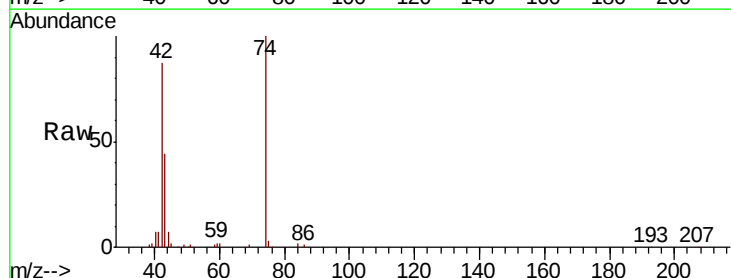
RT: 3.93 min Scan# 143

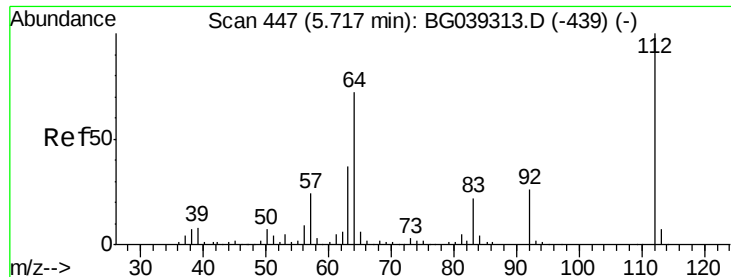
Delta R.T. -0.01 min

Lab File: BG039474.D

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Tgt Ion:	42	Resp:	74275
Ion Ratio	Lower	Upper	
42	100		
74	114.5	83.6	125.4
44	8.6	6.9	10.3





#5

2-Fluorophenol

Concen: 159.334 ng

RT: 5.71 min Scan# 447

Delta R.T. -0.00 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

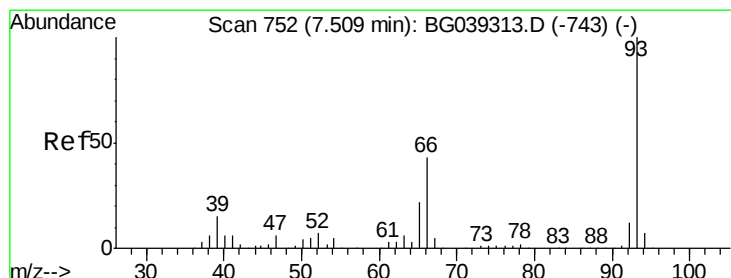
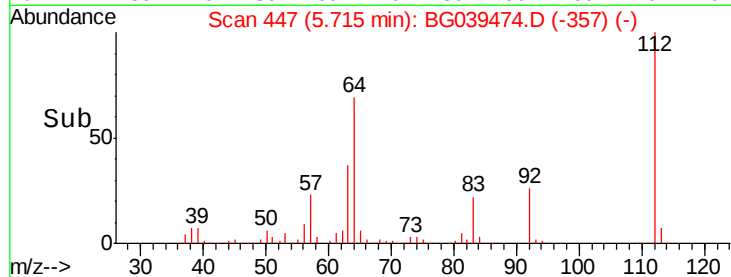
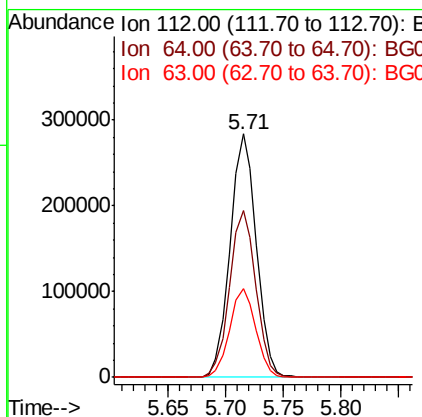
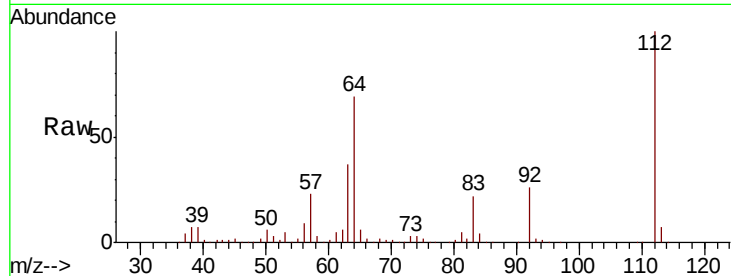
ClientSampleId :

IDW-SOIL-01MS

Tot Ion:	112	Resp:	444717
Ion Ratio	Lower	Upper	
112	100		
64	68.7	57.8	86.8
63	36.5	29.8	44.6

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#6

Aniline

Concen: 16.655 ng

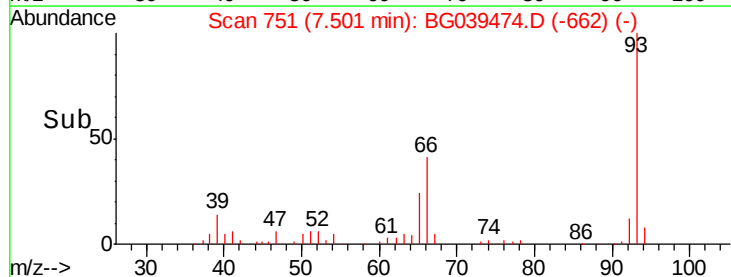
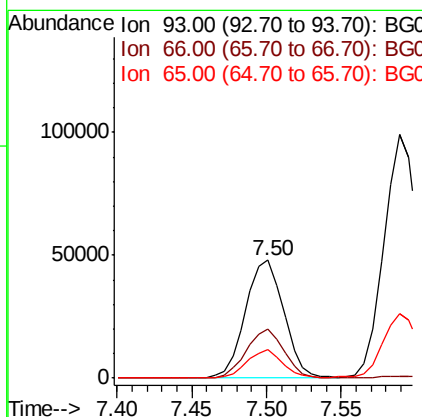
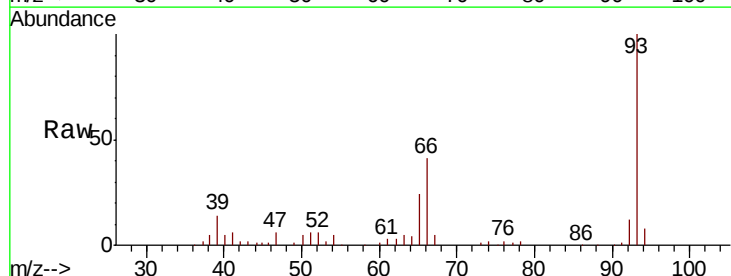
RT: 7.50 min Scan# 751

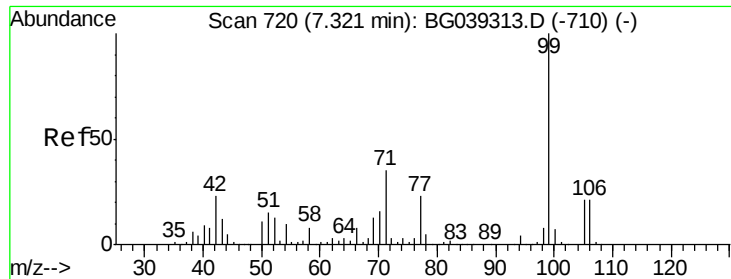
Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Tgt Ion:	93	Resp:	85708
Ion Ratio	Lower	Upper	
93	100		
66	41.2	34.2	51.4
65	24.3	17.7	26.5





#7

Phenol-d6

Concen: 148.651 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

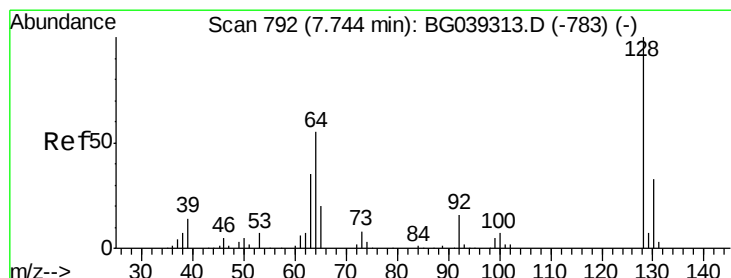
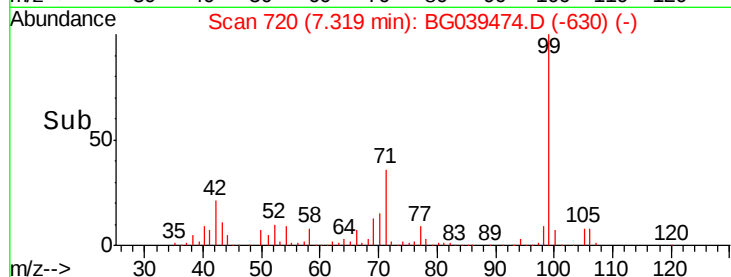
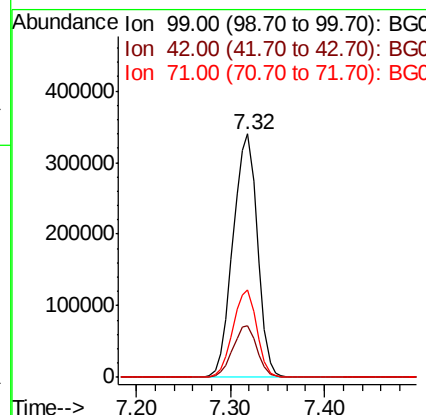
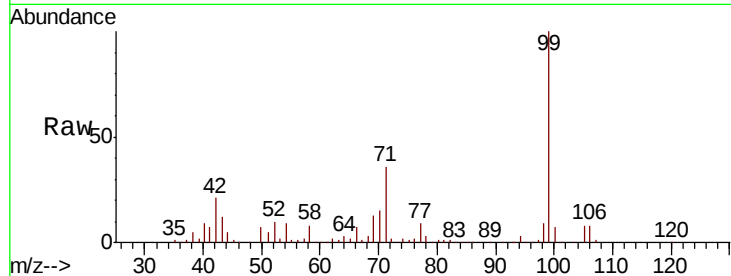
ClientSampleId :

IDW-SOIL-01MS

Tot Ion:	99	Resp:	610723
Ion Ratio	Lower	Upper	
99	100		
42	21.0	18.2	27.2
71	36.0	28.0	42.0

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#8

2-Chlorophenol

Concen: 53.872 ng

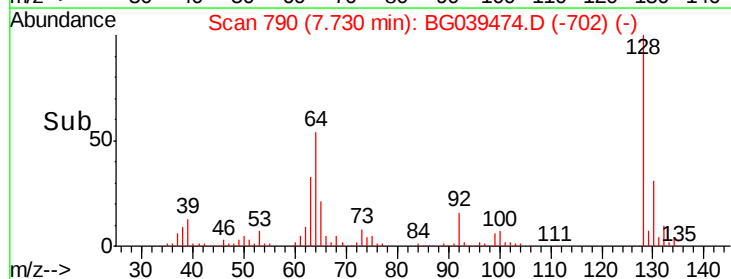
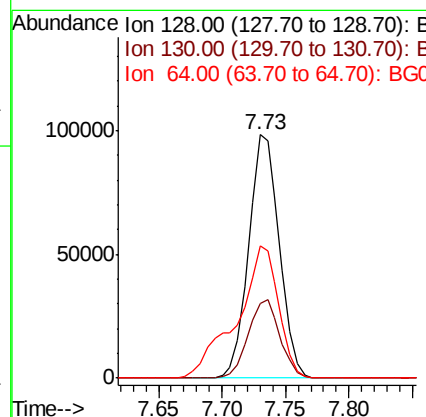
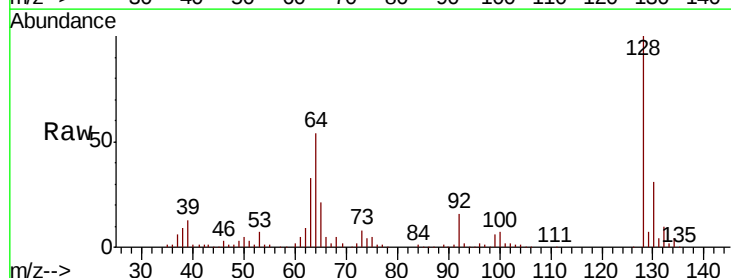
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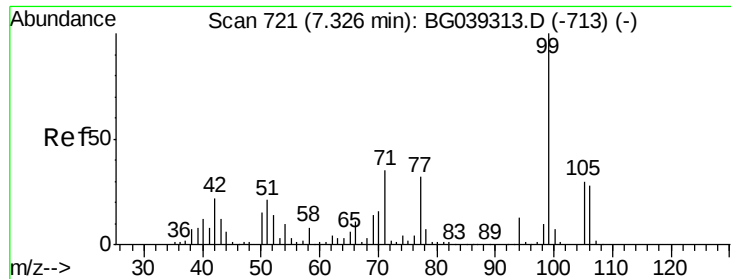
Delta R.T. -0.01 min

Lab File: BG039474.D

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Tgt Ion:	128	Resp:	164359
Ion Ratio	Lower	Upper	
128	100		
130	30.7	12.9	52.9
64	54.5	38.7	78.7





#9

Benzaldehyde

Concen: 27.858 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

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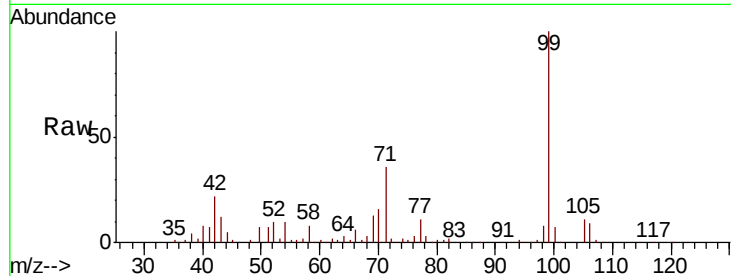
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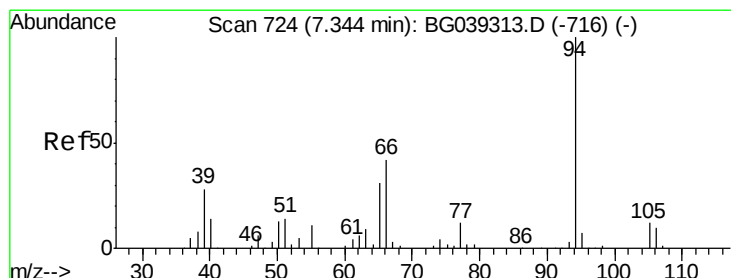
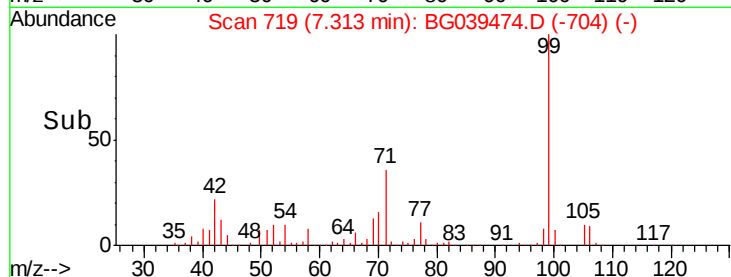
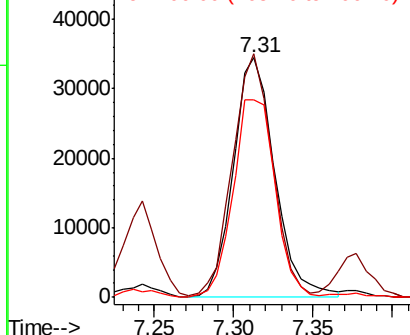
Tot Ion	Ion	Ratio	Lower	Upper
77	100			
105	101.7	74.5	114.5	
106	82.4	68.0	108.0	

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Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 46.194 ng

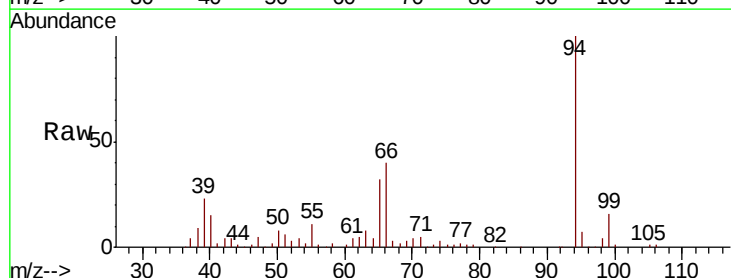
RT: 7.34 min Scan# 724

Delta R.T. -0.00 min

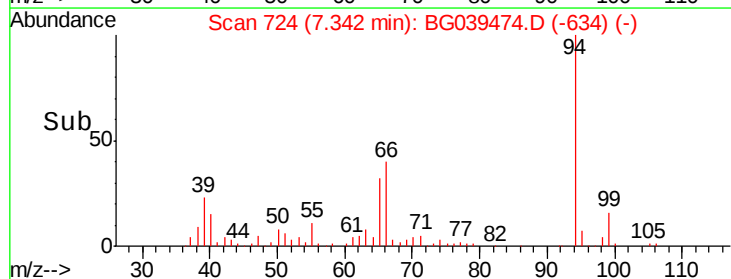
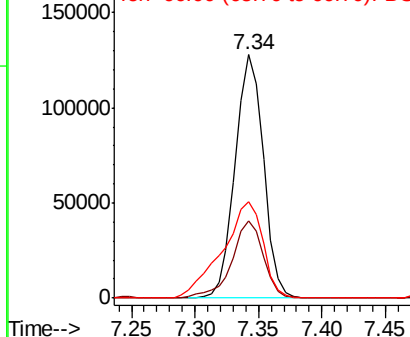
Lab File: BG039474.D

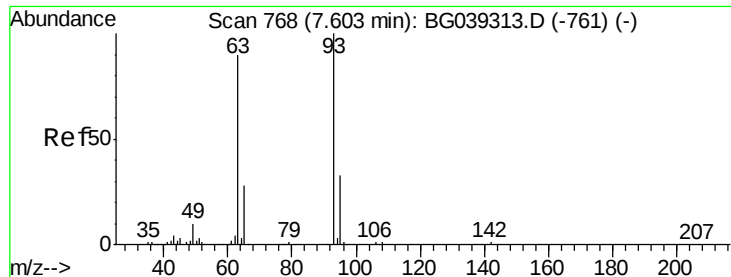
Acq: 12 Feb 2019 21:52

Tgt Ion	Ion	Ratio	Lower	Upper
94	100			
65	31.6	11.7	51.7	
66	39.8	23.7	63.7	



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#11

bis(2-Chloroethyl)ether

Concen: 46.773 ng

RT: 7.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

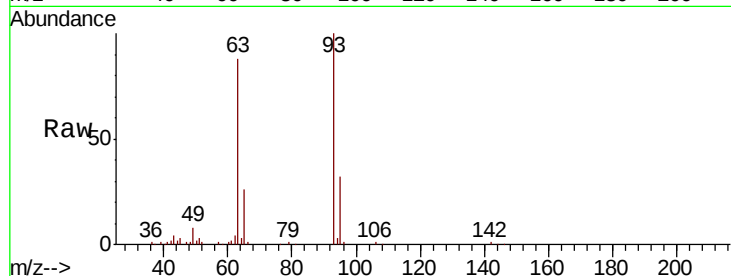
ClientSampled :

IDW-SOIL-01MS

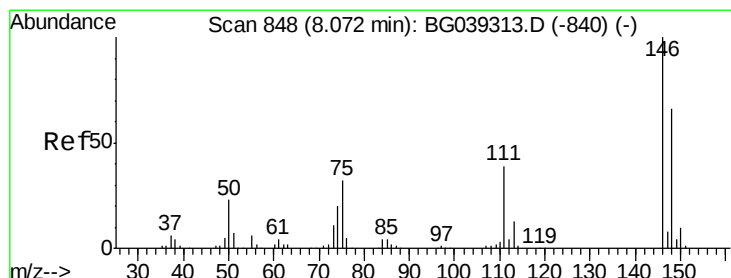
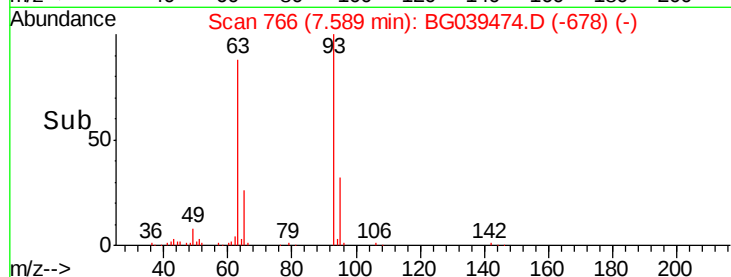
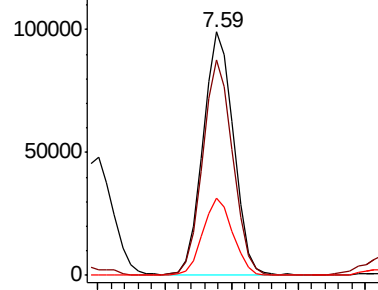
Tot Ion:	93	Resp:	158285
Ion Ratio	Lower	Upper	
93	100		
63	88.3	69.5	109.5
95	31.7	12.7	52.7

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Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC



#12

1,3-Dichlorobenzene

Concen: 43.165 ng

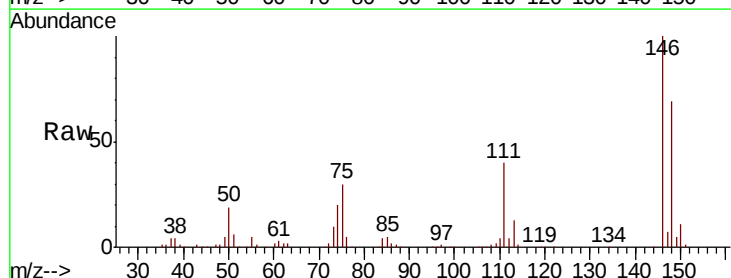
RT: 8.06 min Scan# 846

Delta R.T. -0.01 min

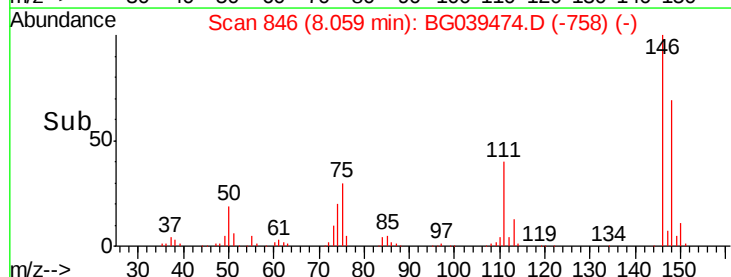
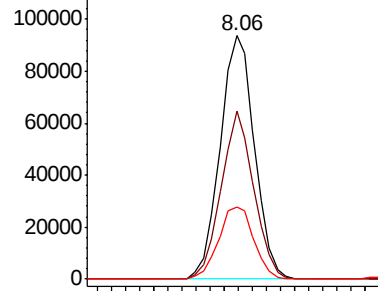
Lab File: BG039474.D

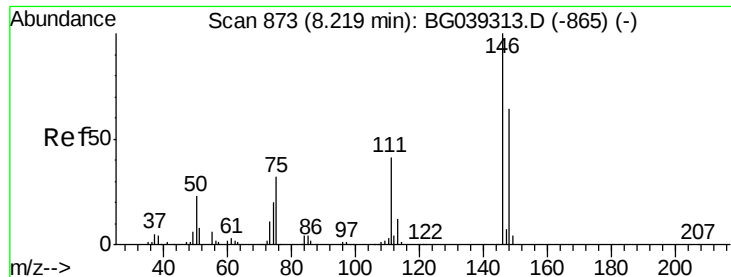
Acq: 12 Feb 2019 21:52

Tgt Ion:	146	Resp:	159537
Ion Ratio	Lower	Upper	
146	100		
148	69.0	52.6	79.0
75	29.7	25.8	38.6



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BGC





#13

1,4-Dichlorobenzene

Concen: 45.409 ng

RT: 8.21 min Scan# 872

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

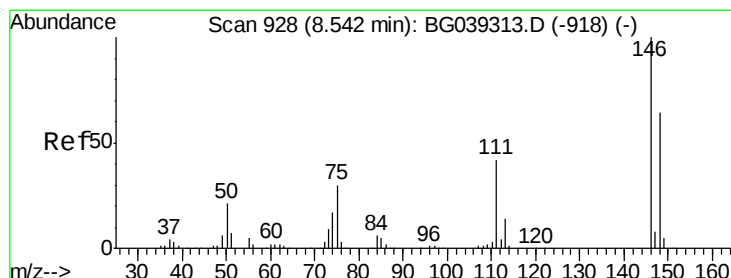
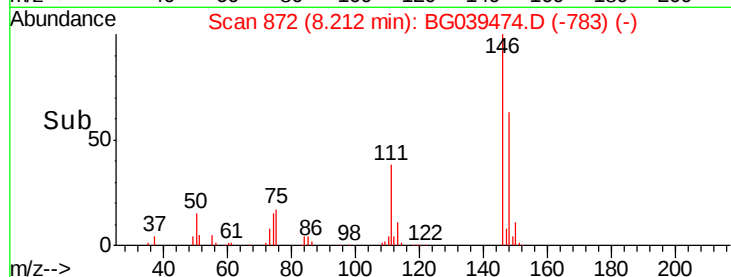
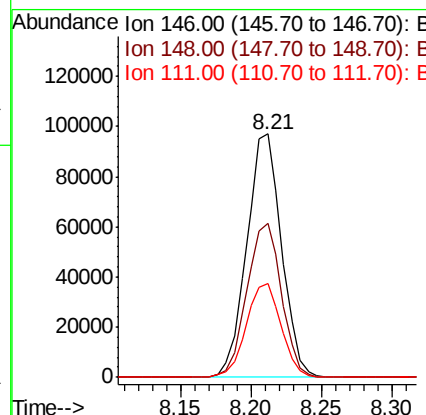
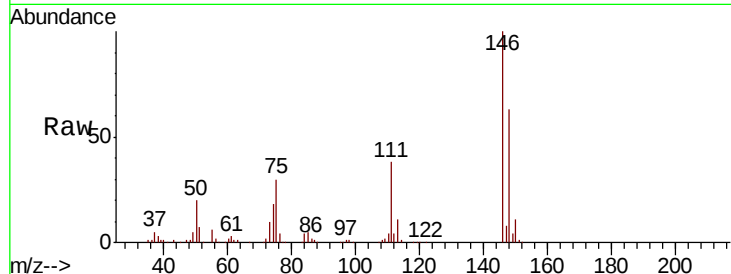
ClientSampleId :

IDW-SOIL-01MS

Tot Ion:	146	Resp:	167279
Ion Ratio	Lower	Upper	
146	100		
148	63.3	51.1	76.7
111	38.5	32.6	48.8

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 44.286 ng

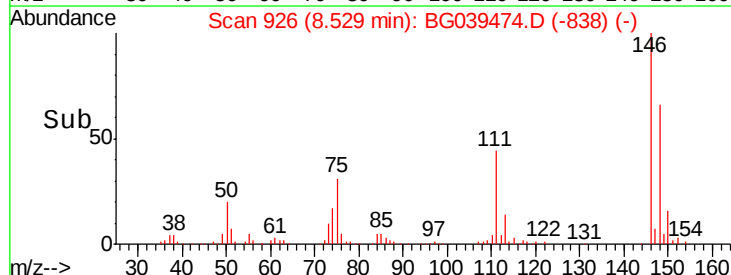
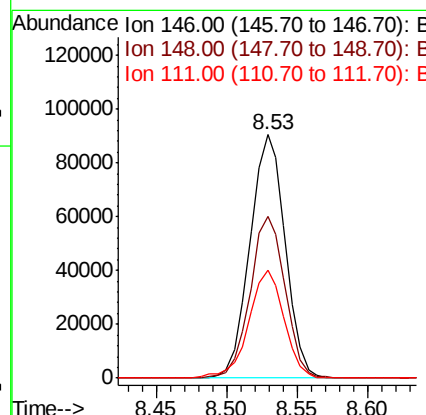
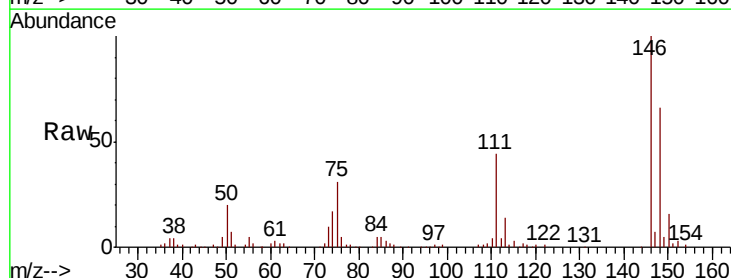
RT: 8.53 min Scan# 926

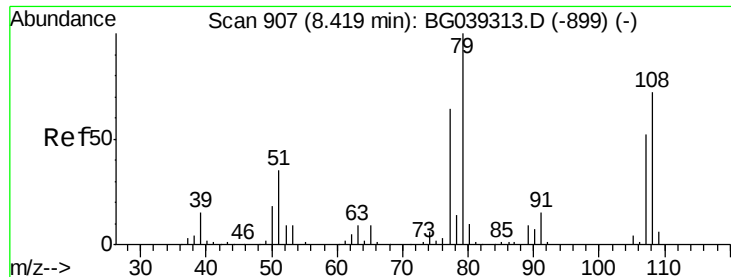
Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Tgt Ion:	146	Resp:	157936
Ion Ratio	Lower	Upper	
146	100		
148	66.4	51.5	77.3
111	44.5	33.8	50.6





#15

Benzyl Alcohol

Concen: 51.273 ng

RT: 8.41 min Scan# 906

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

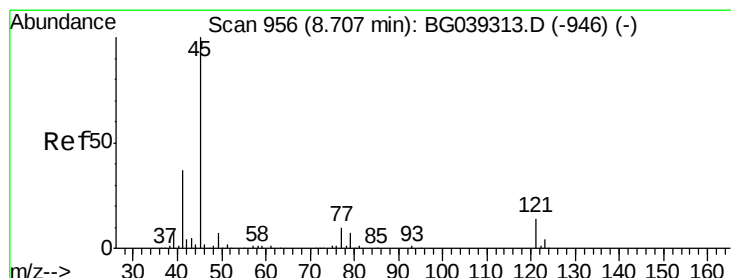
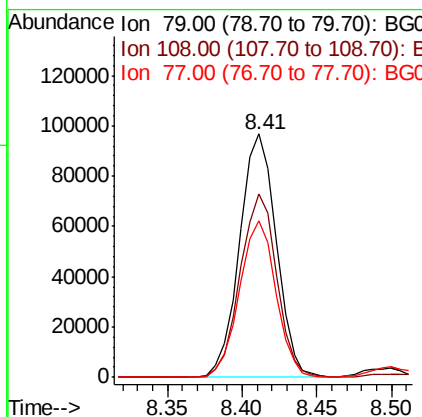
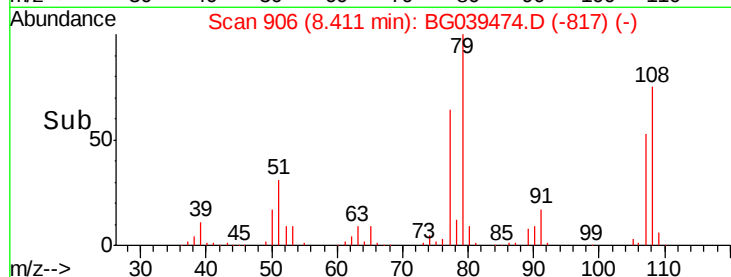
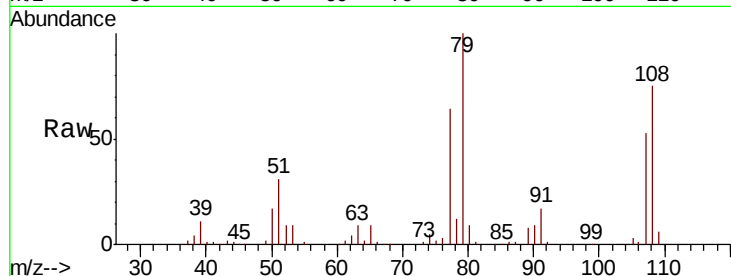
ClientSampleId :

IDW-SOIL-01MS

Tot Ion:	79	Resp:	165380
Ion Ratio	Lower	Upper	
79	100		
108	75.2	57.8	86.6
77	64.2	51.1	76.7

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.229 ng

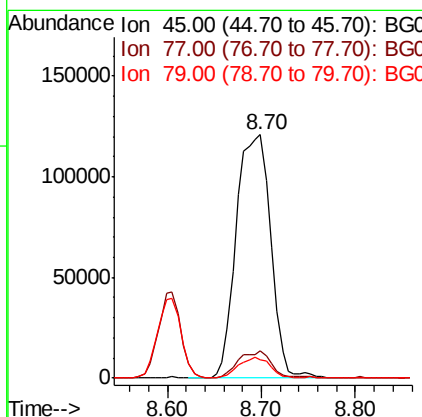
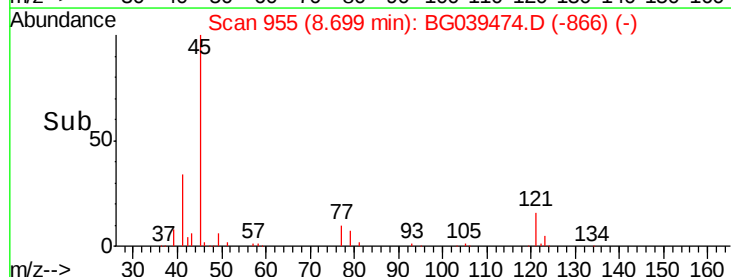
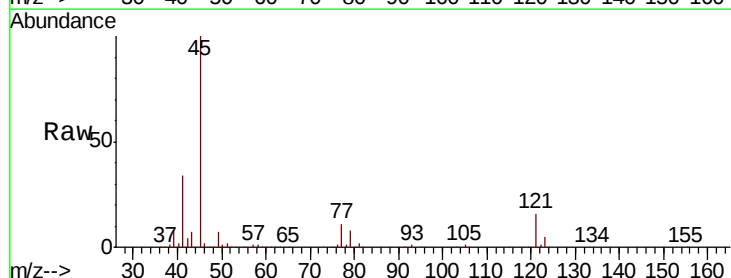
RT: 8.70 min Scan# 955

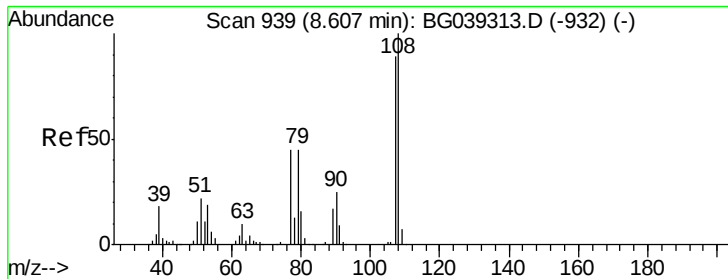
Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Tgt Ion:	45	Resp:	307439
Ion Ratio	Lower	Upper	
45	100		
77	11.0	0.0	30.0
79	7.6	0.0	27.5





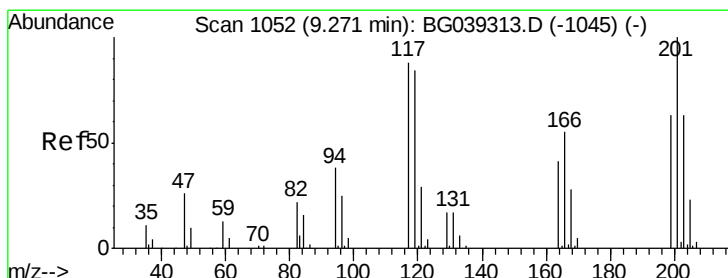
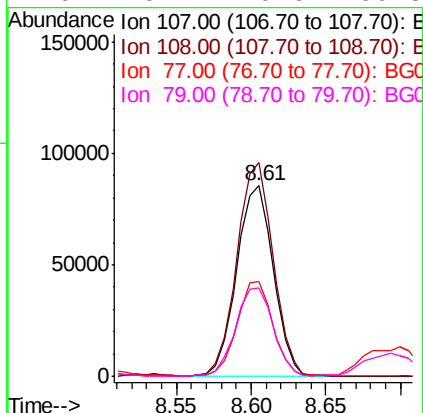
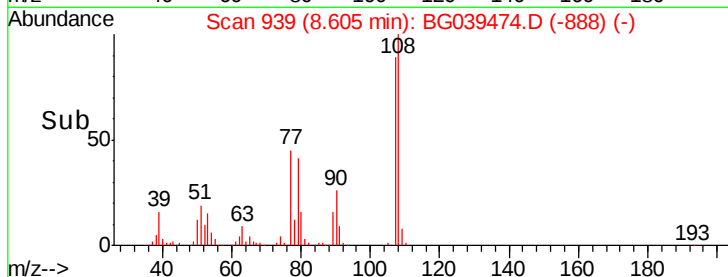
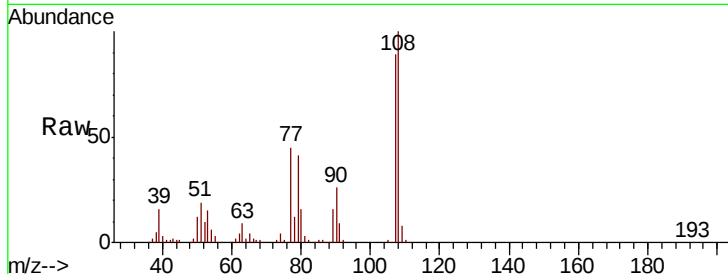
#17
2-Methylphenol
Concen: 52.649 ng
RT: 8.61 min Scan# 939
Delta R.T. -0.00 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.1	90.8	136.2	
77	49.9	40.7	61.1	
79	46.2	40.6	60.8	

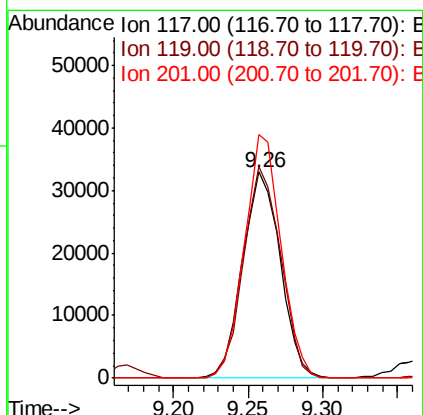
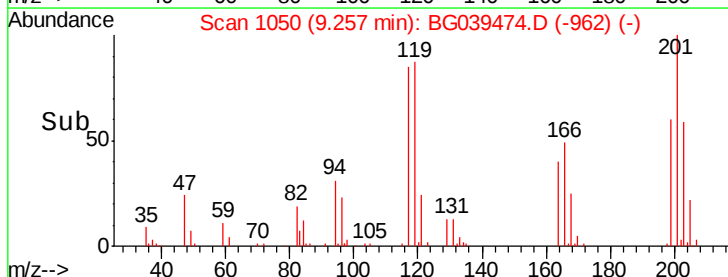
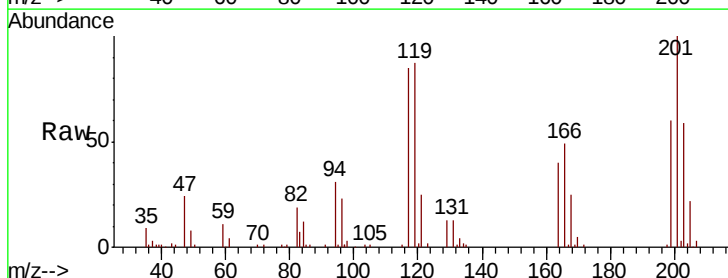
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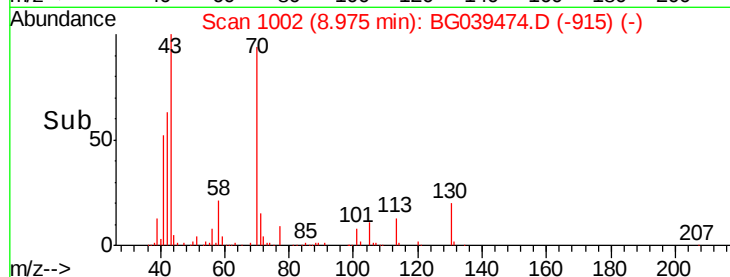
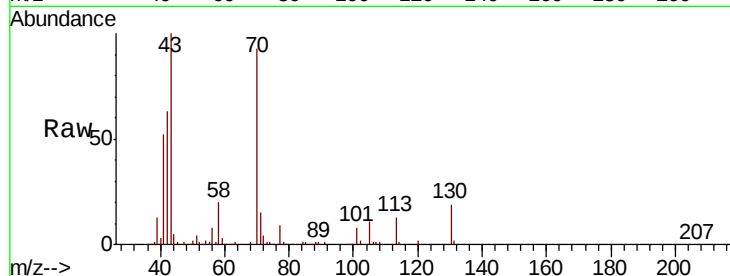
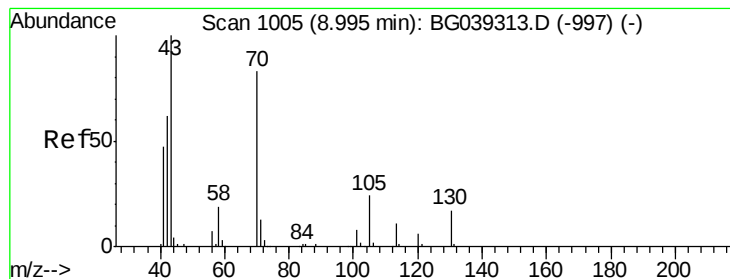
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#18
Hexachloroethane
Concen: 45.631 ng
RT: 9.26 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	103.0	76.3	114.5	
201	118.2	91.1	136.7	





#19

n-Nitroso-di-n-propylamine

Concen: 46.999 ng

RT: 8.98 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Tot Ion	Ratio	Lower	Upper
70	100		
42	67.3	60.4	90.6
101	8.7	7.5	11.3
130	20.8	16.9	25.3

Instrument :

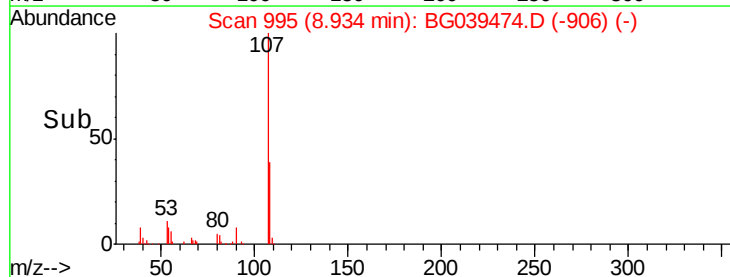
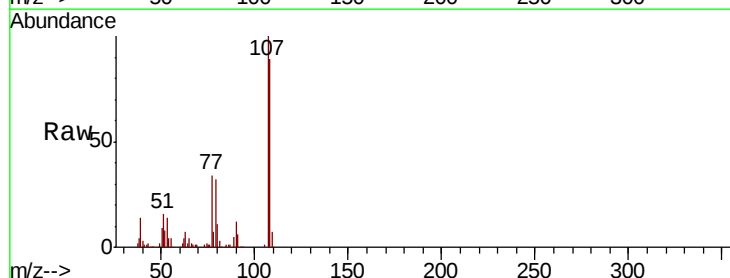
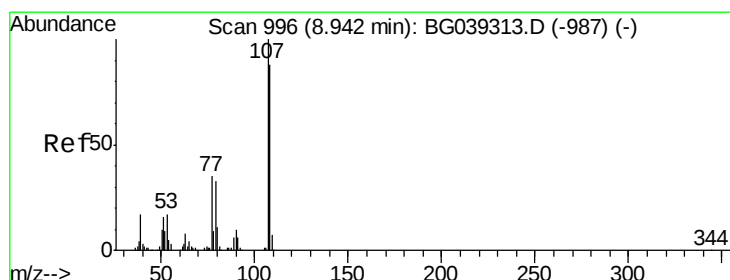
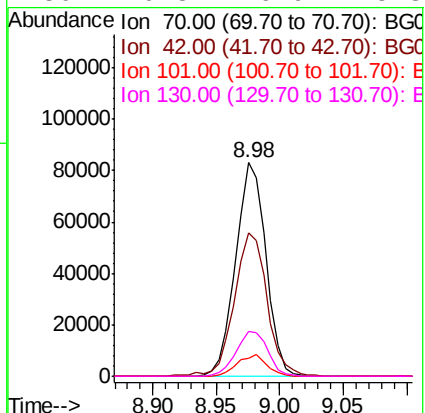
BNA_G

ClientSampleId :

IDW-SOIL-01MS

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#20

3+4-Methylphenols

Concen: 52.962 ng

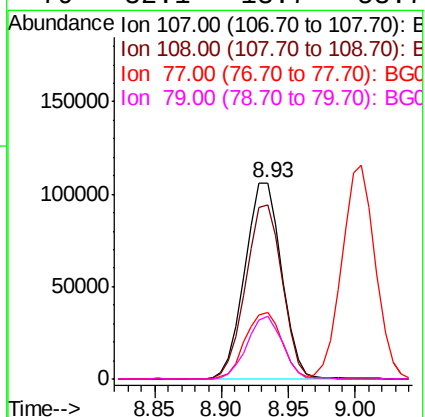
RT: 8.93 min Scan# 995

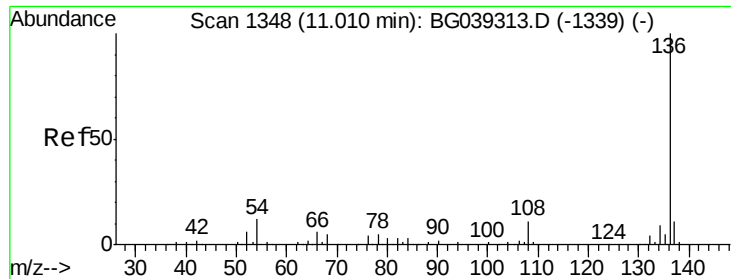
Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.8	67.9	107.9
77	34.1	15.4	55.4
79	32.1	13.7	53.7





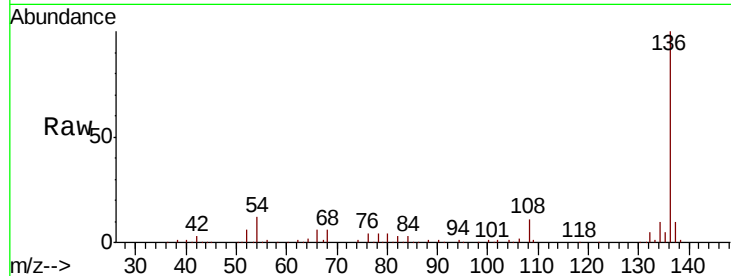
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

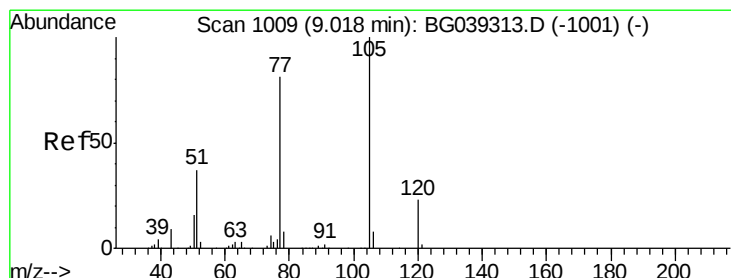
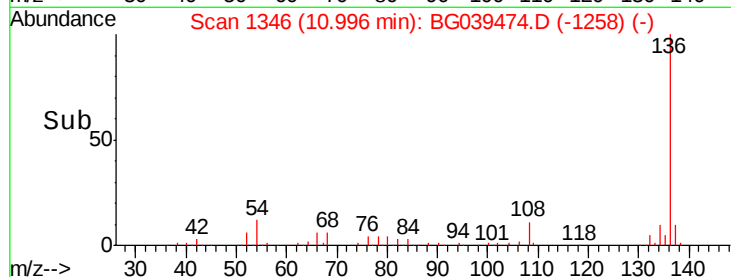
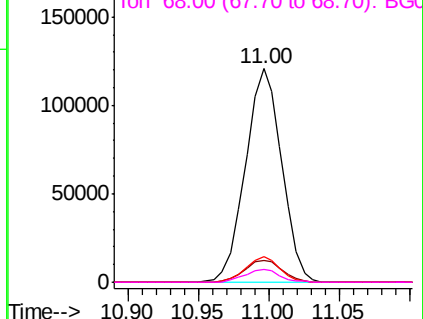
Tot Ion	Ratio	Resp	Lower	Upper
136	100	216816		
137	10.4		9.1	13.7
54	11.9		9.4	14.2
68	5.7		4.2	6.4

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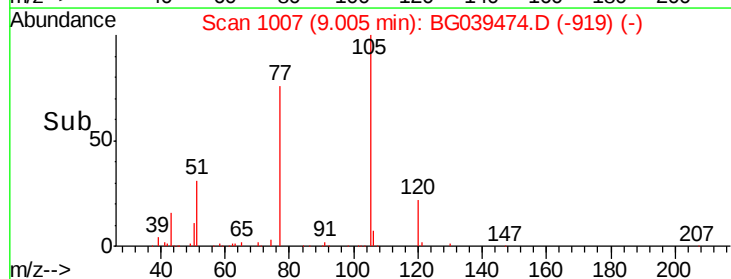
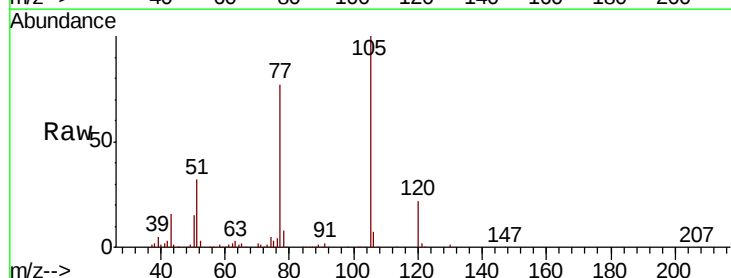
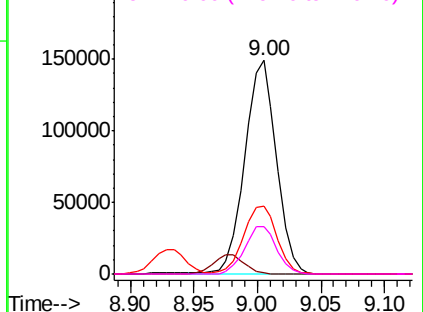
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

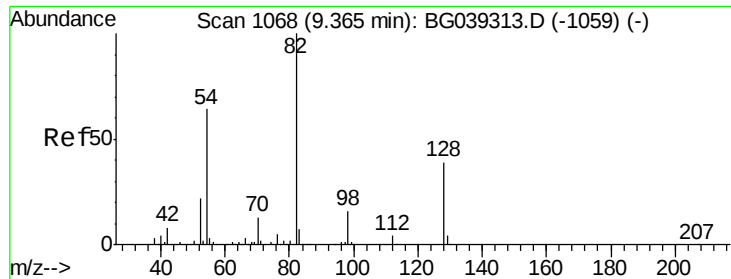


#22
Acetophenone
Concen: 44.418 ng
RT: 9.00 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	258693		
71	0.5		0.8	1.2#
51	31.8		30.2	45.2
120	22.2		18.0	27.0

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





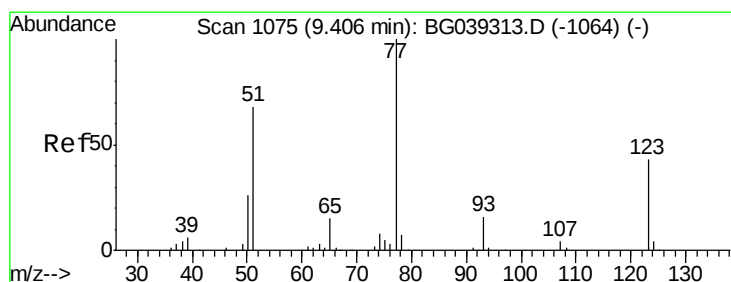
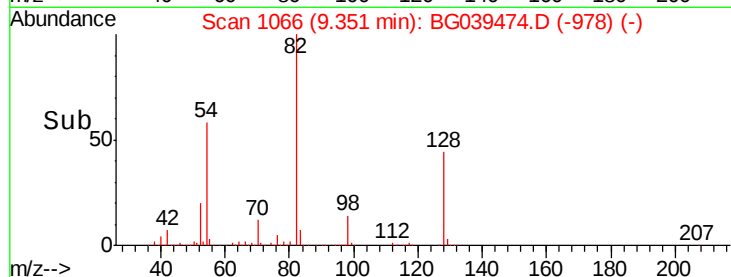
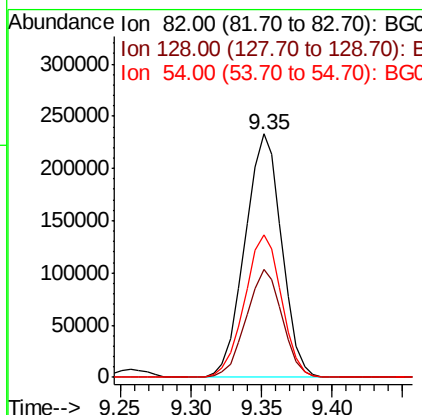
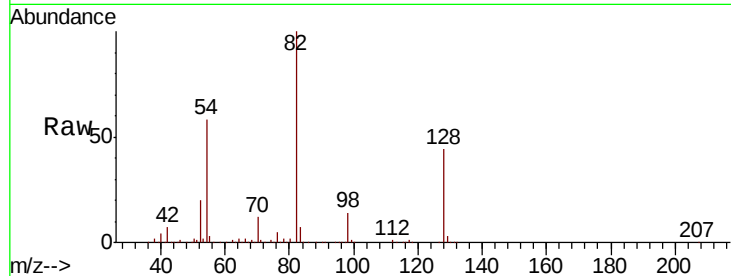
#23
Nitrobenzene-d5
Concen: 122.335 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.1	31.3	46.9
54	58.4	50.9	76.3

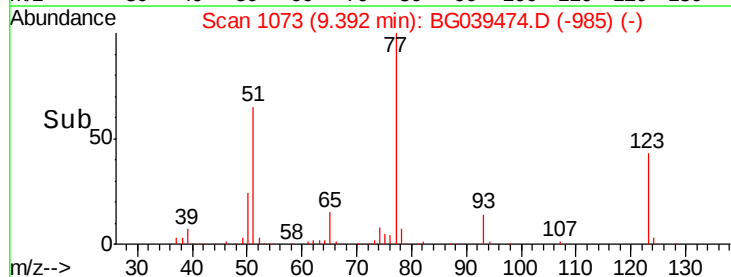
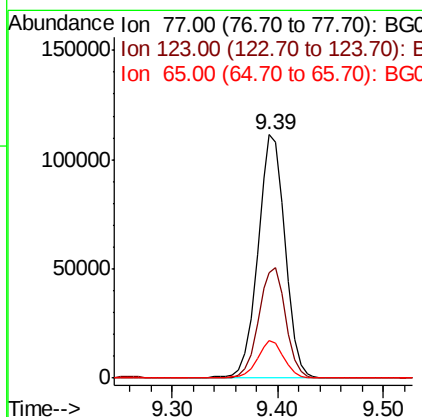
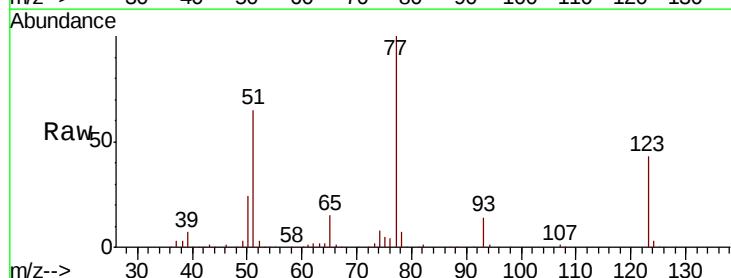
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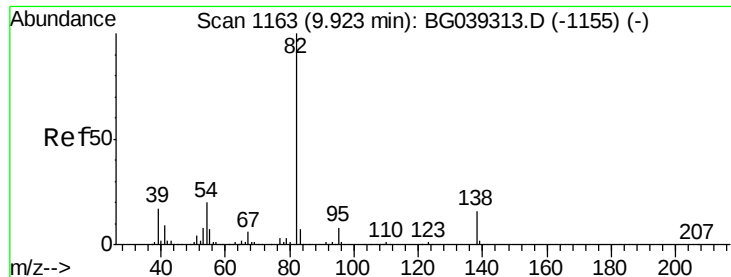
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#24
Nitrobenzene
Concen: 53.142 ng
RT: 9.39 min Scan# 1073
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
77	100		
123	43.4	34.1	51.1
65	15.4	12.3	18.5





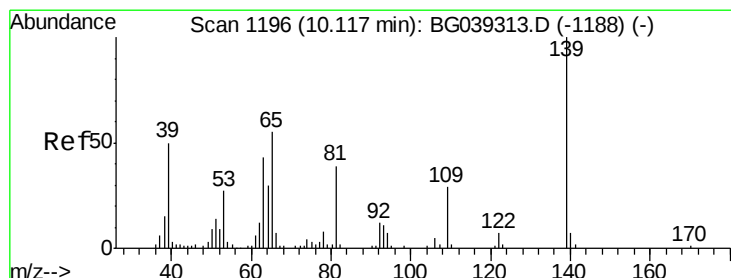
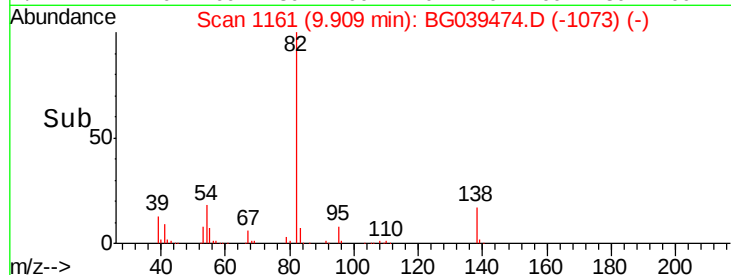
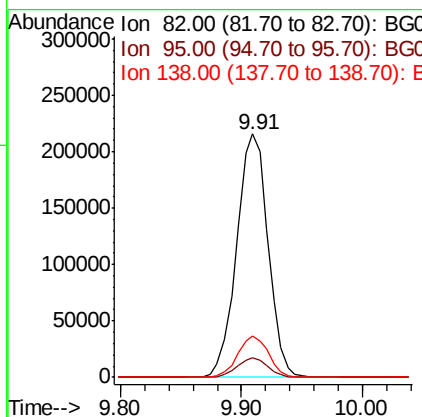
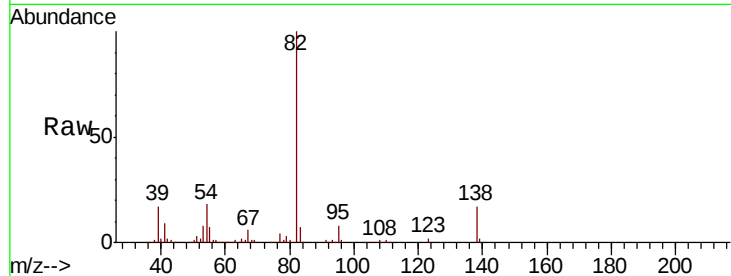
#25
Isophorone
Concen: 50.755 ng
RT: 9.91 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	7.9	6.2	9.2	
138	17.0	13.0	19.4	

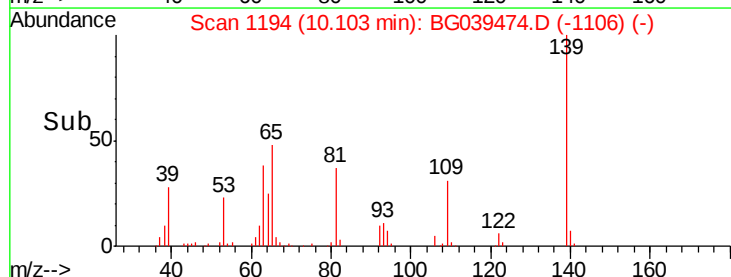
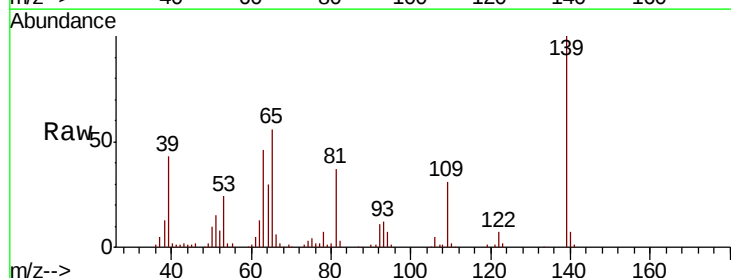
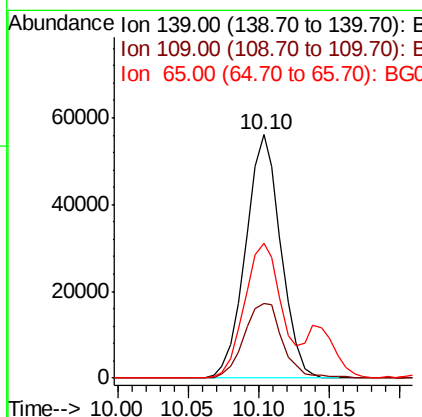
Manual Integrations
APPROVED

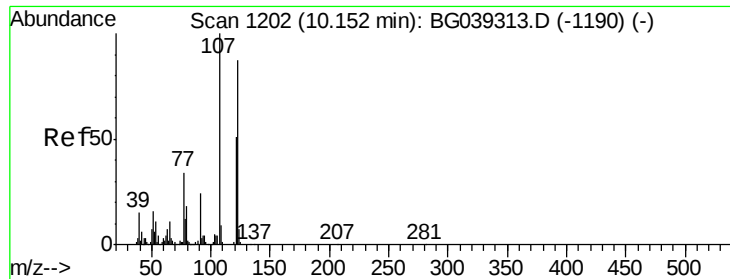
Sohil
2/13/2019 9:56:56 AM



#26
2-Nitrophenol
Concen: 61.102 ng
RT: 10.10 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	30.5	23.4	35.0	
65	55.6	44.3	66.5	





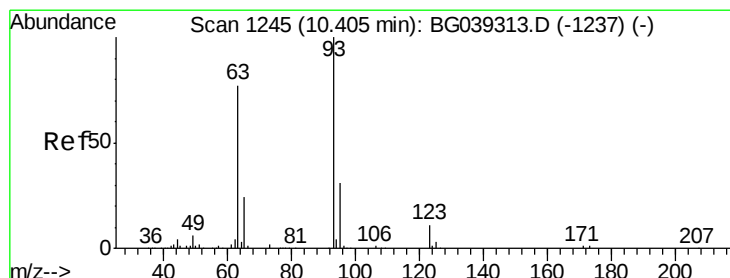
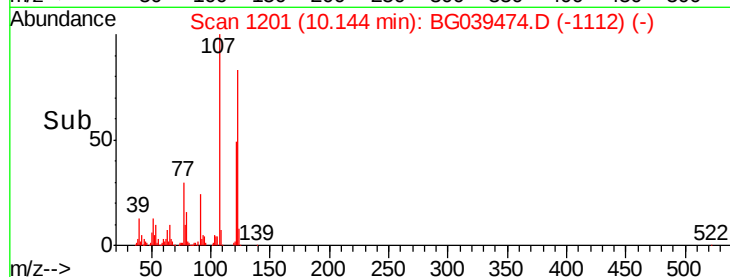
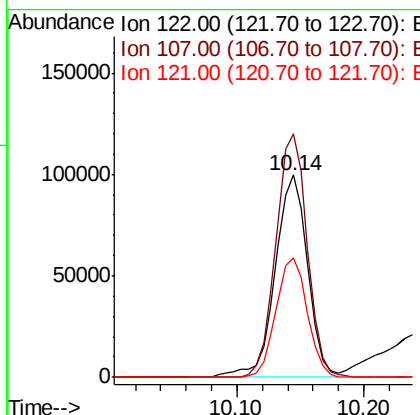
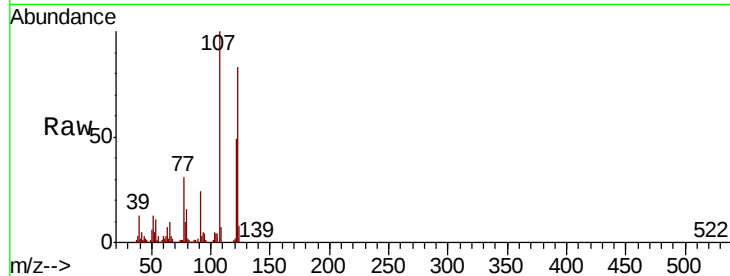
#27
2,4-Dimethylphenol
Concen: 57.098 ng
RT: 10.14 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tot Ion	Ratio	Lower	Upper
122	100		
107	120.4	91.7	137.5
121	59.0	46.4	69.6

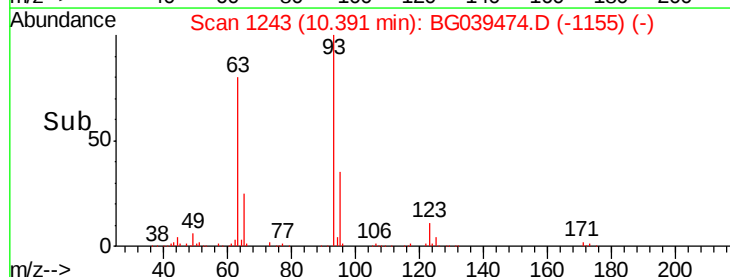
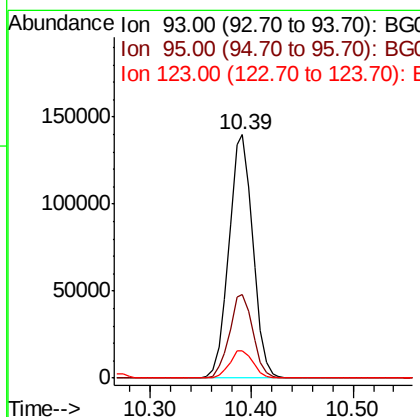
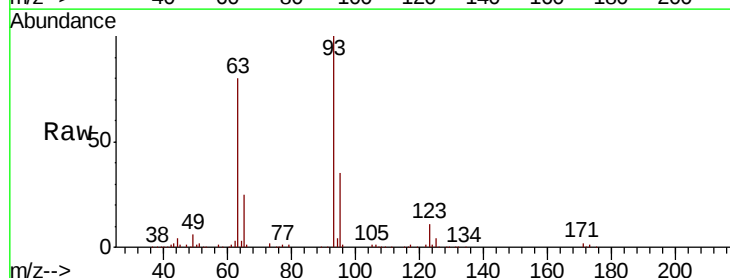
Manual Integrations
APPROVED

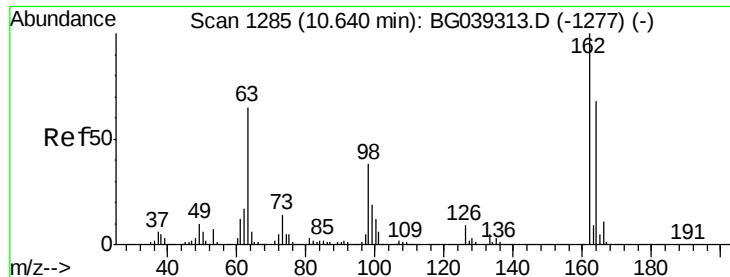
Sohil
2/13/2019 9:56:56 AM



#28
bis(2-Chloroethoxy)methane
Concen: 48.178 ng
RT: 10.39 min Scan# 1243
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	34.5	25.0	37.4
123	11.4	8.6	12.8





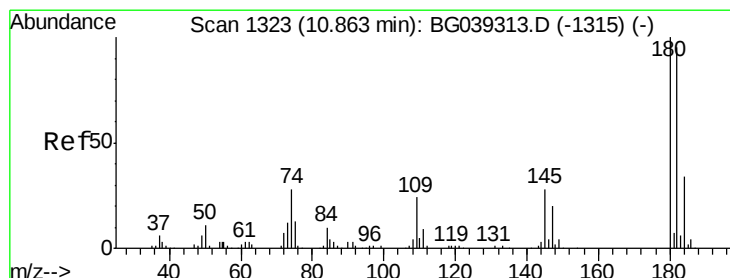
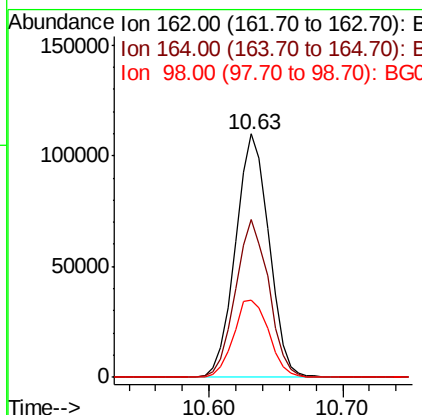
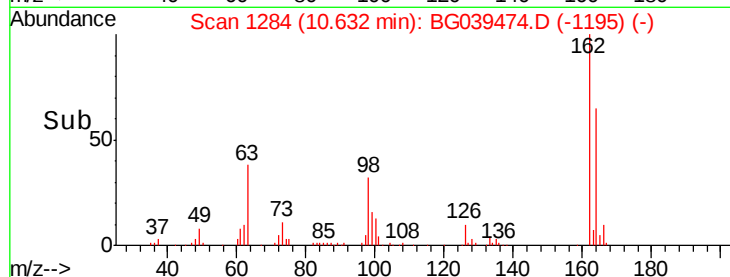
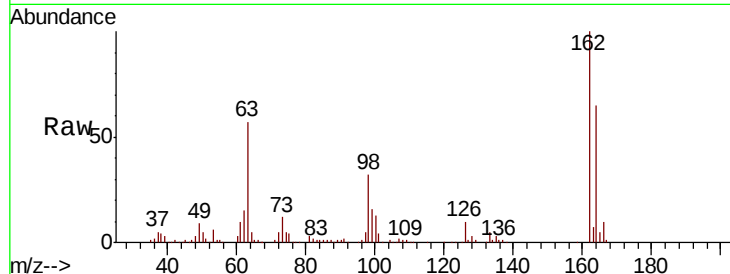
#29
 2,4-Dichlorophenol
 Concen: 56.001 ng
 RT: 10.63 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MS

Tot Ion:	162	Resp:	190420
Ion Ratio	Lower	Upper	
162	100		
164	65.0	48.1	88.1
98	32.0	18.1	58.1

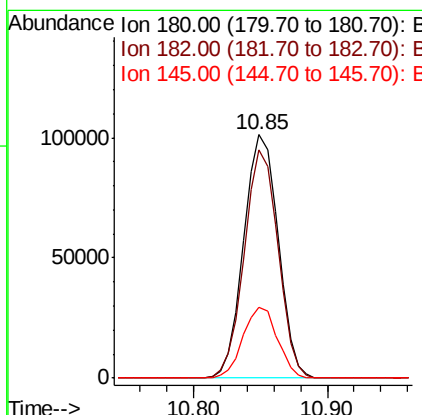
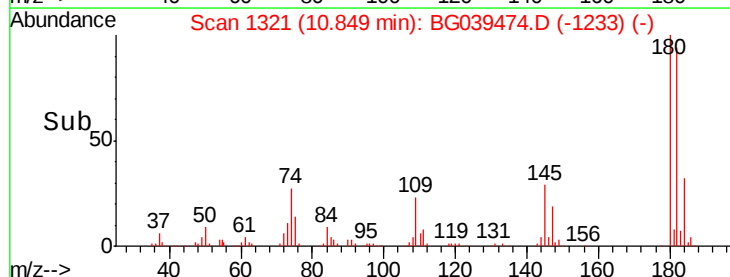
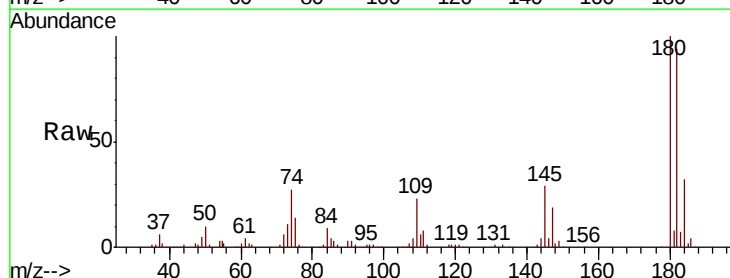
Manual Integrations
 APPROVED

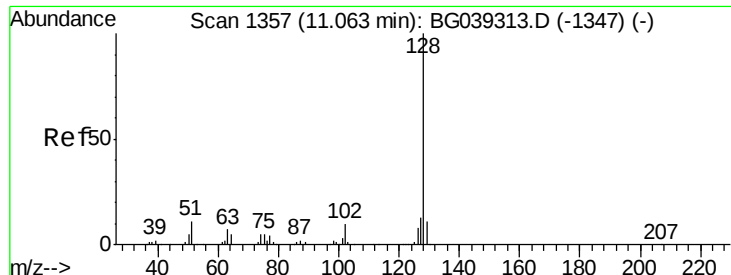
Sohil
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#30
 1,2,4-Trichlorobenzene
 Concen: 47.373 ng
 RT: 10.85 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Tgt Ion:	180	Resp:	180848
Ion Ratio	Lower	Upper	
180	100		
182	93.7	76.0	114.0
145	29.0	22.7	34.1





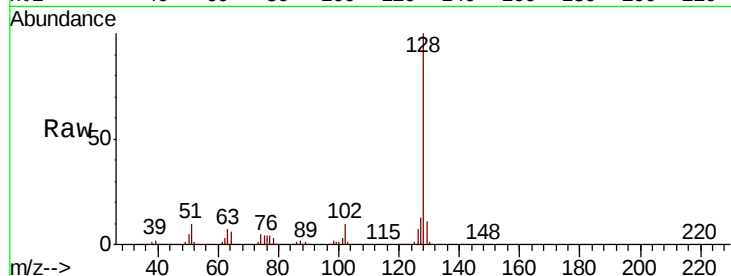
#31
Naphthalene
Concen: 50.535 ng
RT: 11.05 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.4	10.8	16.2

Manual Integrations
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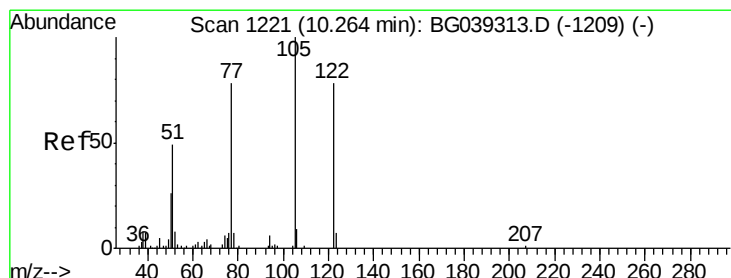
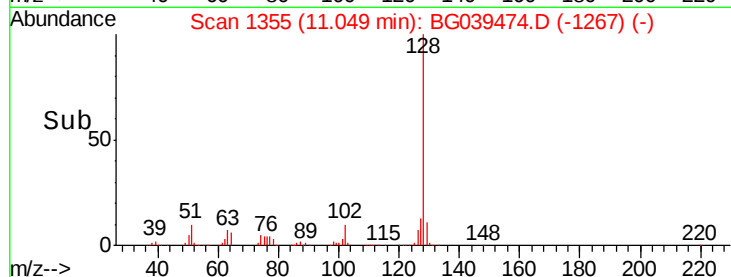
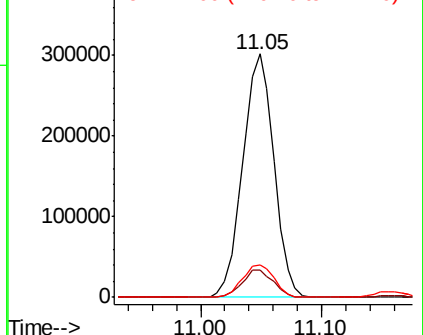


Abundance

Ion 128.00 (127.70 to 128.70): E

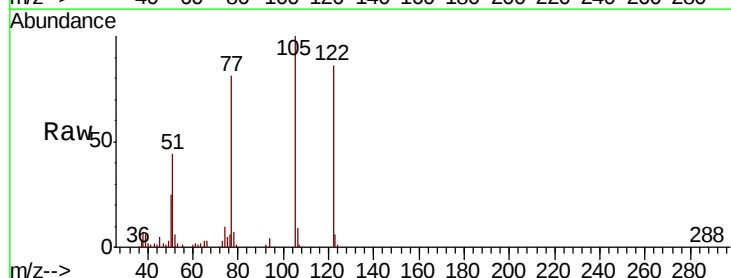
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 51.977 ng
RT: 10.27 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
122	100		
105	116.9	101.8	141.8
77	94.1	76.3	116.3

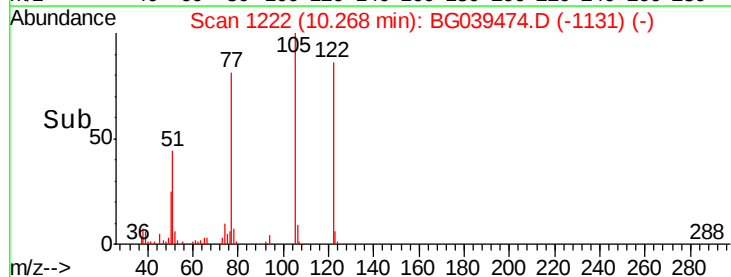
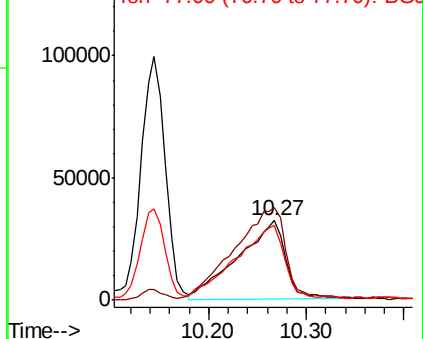


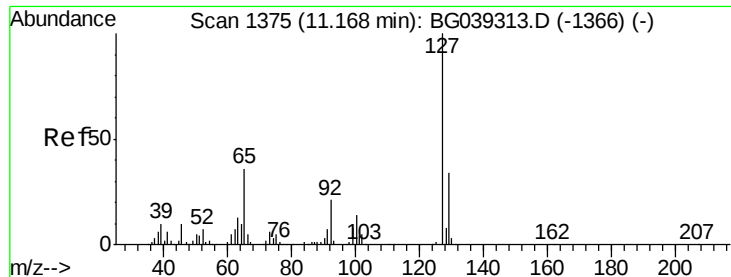
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGO





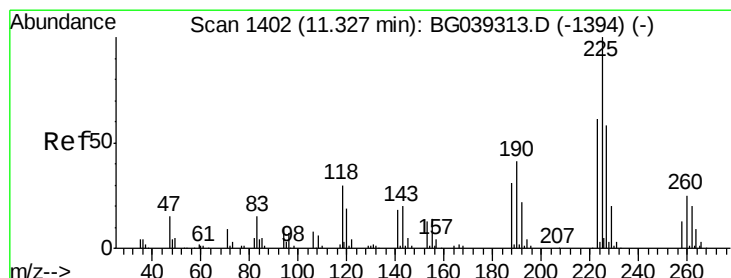
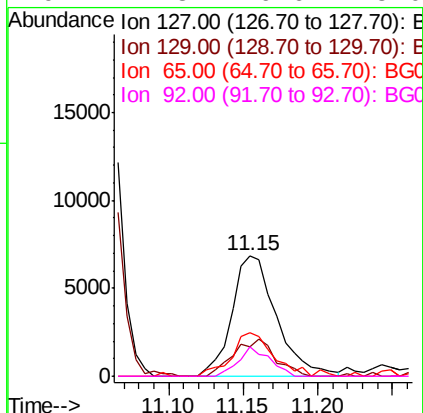
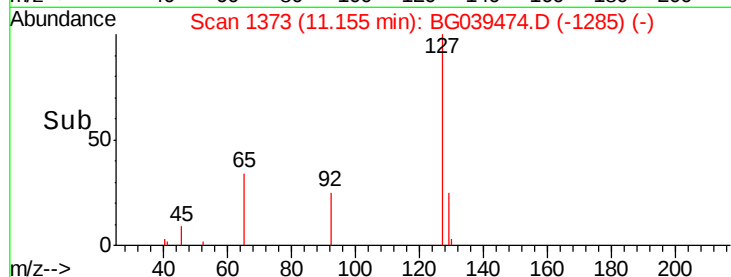
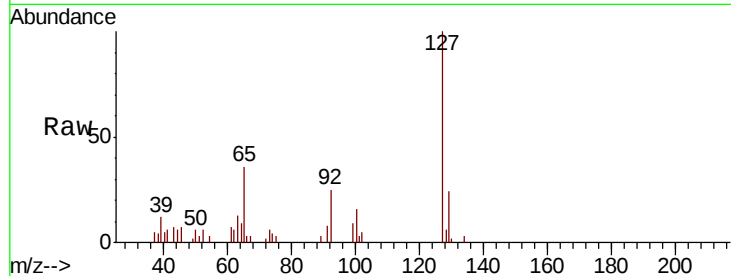
#33
4-Chloroaniline
Concen: 2.849 ng
RT: 11.15 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tot Ion	Ratio	Lower	Upper
127	100		
129	24.2	27.0	40.4#
65	36.0	28.8	43.2
92	24.8	16.6	25.0

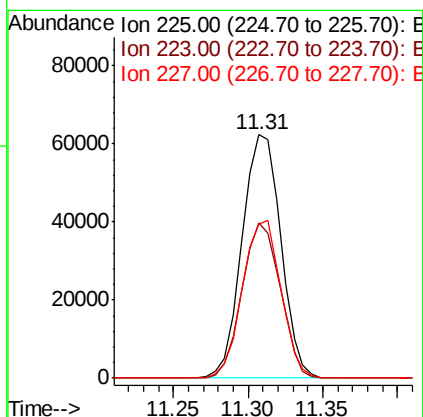
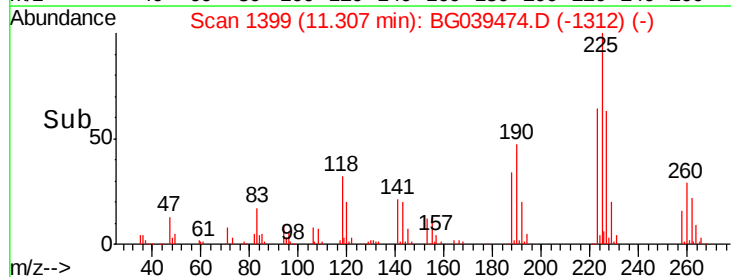
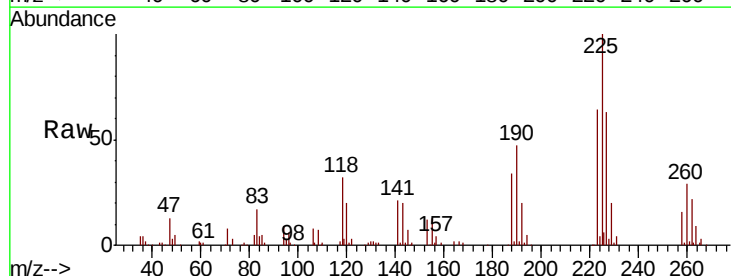
Manual Integrations
APPROVED

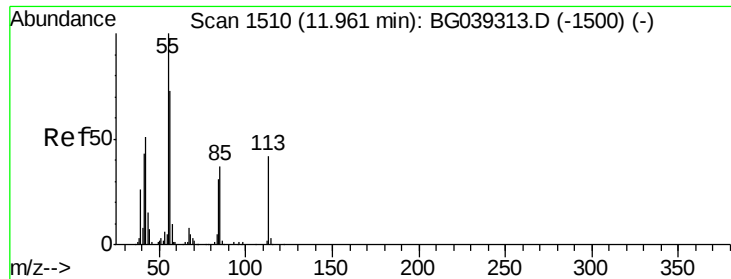
Sohil
2/13/2019 9:56:56 AM



#34
Hexachlorobutadiene
Concen: 44.074 ng
RT: 11.31 min Scan# 1399
Delta R.T. -0.02 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	49.0	73.6
227	63.2	46.3	69.5





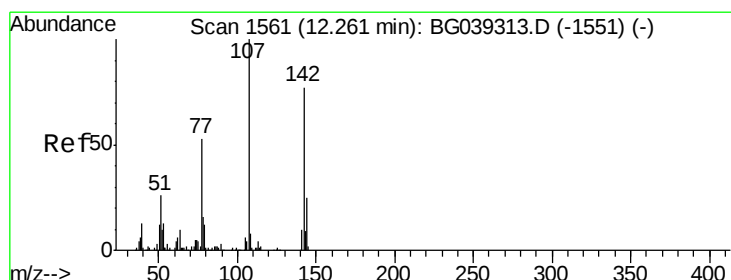
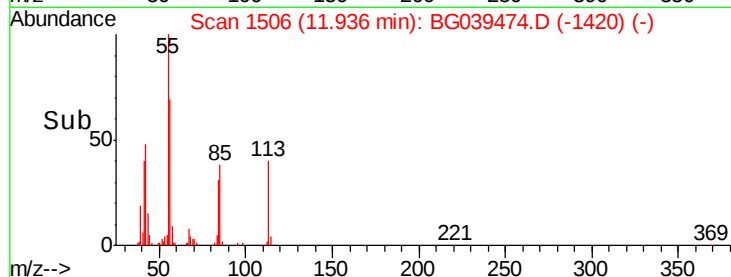
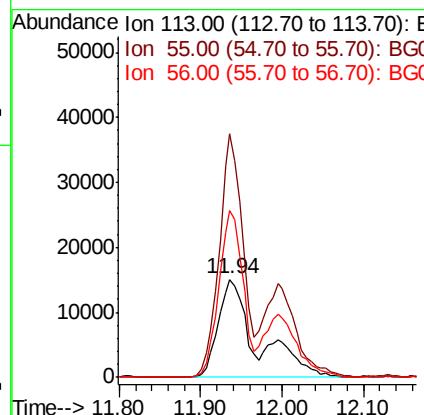
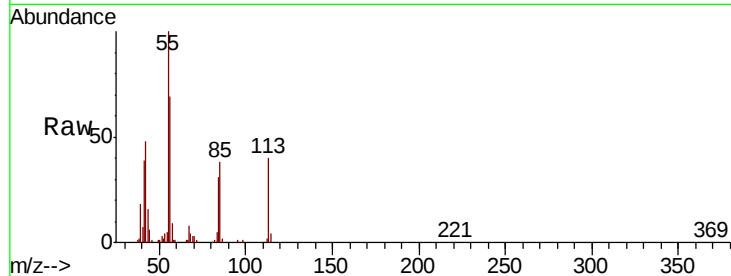
#35
Caprolactam
Concen: 35.202 ng/ml
RT: 11.94 min Scan# 1506
Delta R.T. -0.03 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tot Ion	Ratio	Lower	Upper
113	100		
55	249.0	216.9	256.9
56	171.0	152.6	192.6

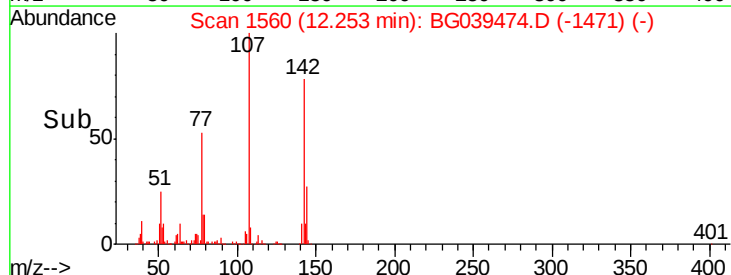
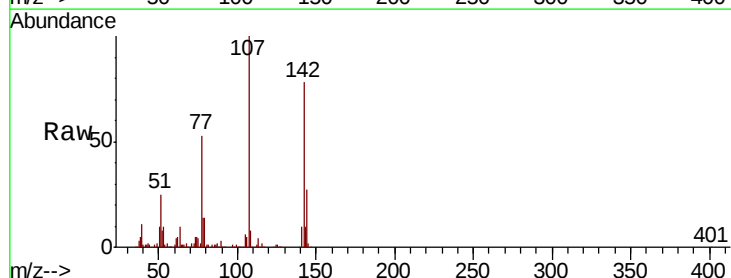
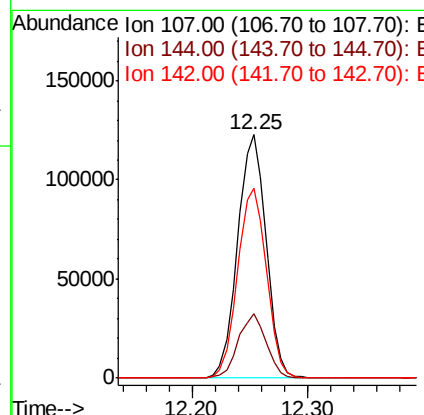
Manual Integrations
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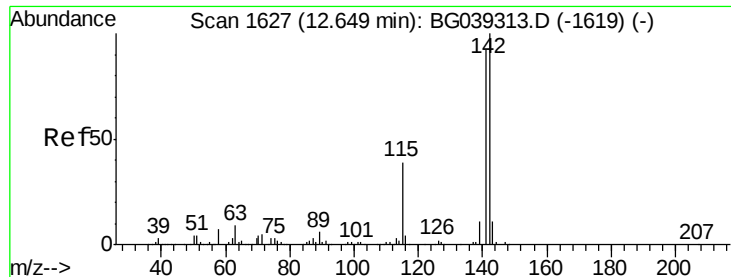
Sohil
2/13/2019 9:56:56 AM



#36
4-Chloro-3-methylphenol
Concen: 53.375 ng
RT: 12.25 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.7	20.2	30.2
142	78.0	61.4	92.2





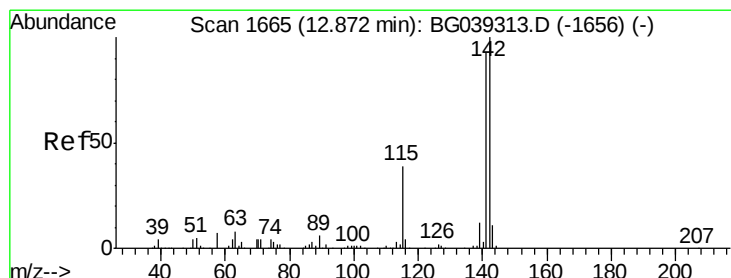
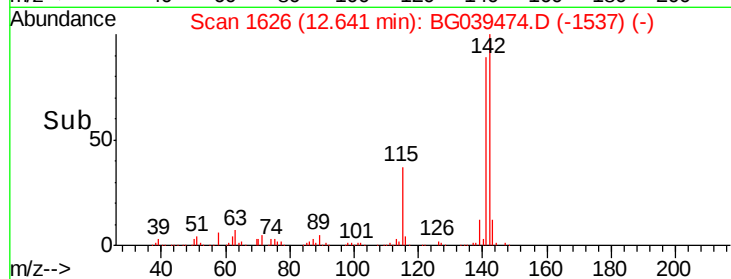
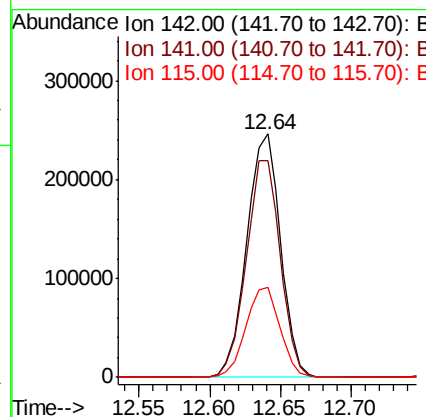
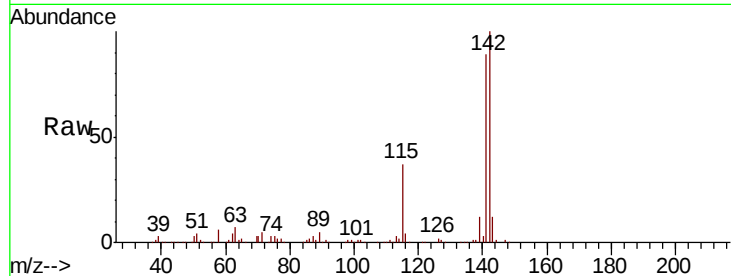
#37
2-Methylnaphthalene
Concen: 51.911 ng
RT: 12.64 min Scan# 1626
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	73.5	110.3
115	36.7	30.8	46.2

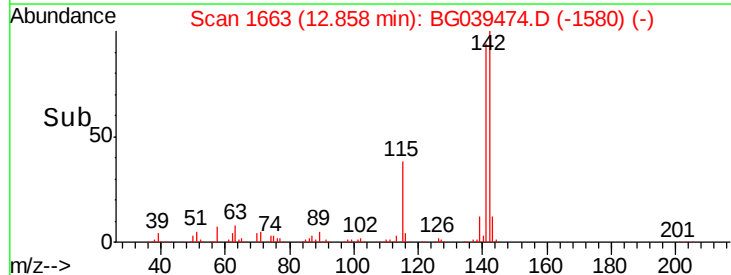
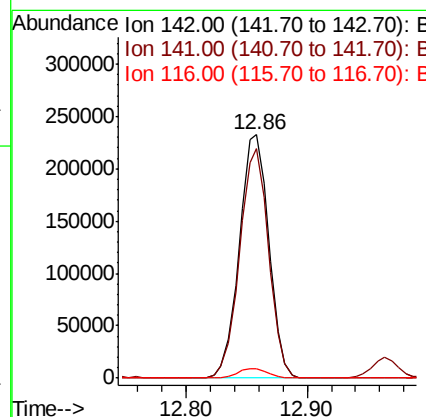
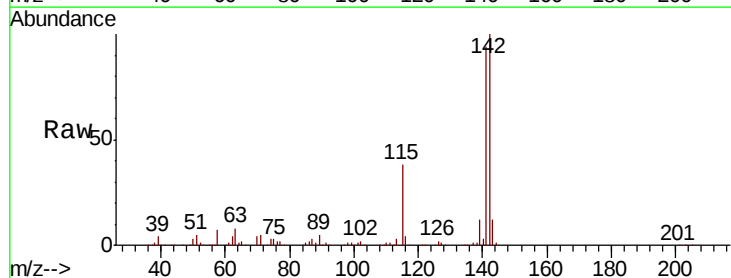
Manual Integrations
APPROVED

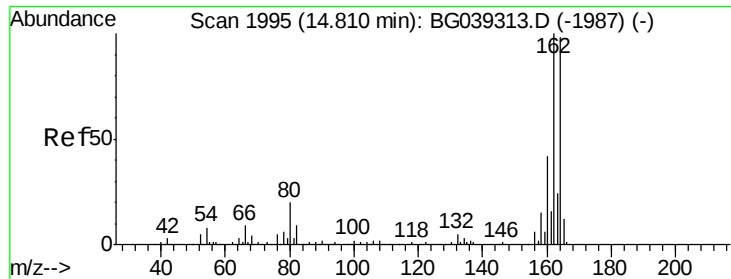
Sohil
2/13/2019 9:56:56 AM



#38
1-Methylnaphthalene
Concen: 51.584 ng
RT: 12.86 min Scan# 1663
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.2	74.2	111.4
116	3.9	3.0	4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

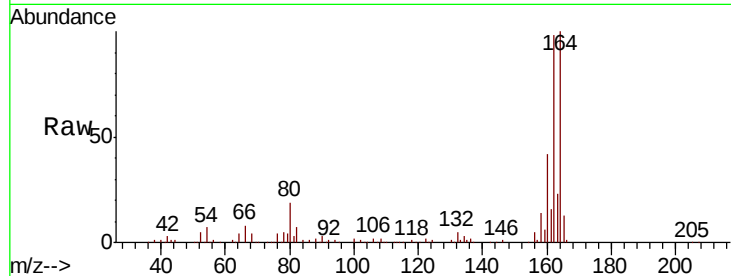
ClientSampleID :

IDW-SOIL-01MS

Tot Ion:	164	Resp:	150512
Ion Ratio	Lower	Upper	
164	100		
162	97.5	81.6	122.4
160	41.9	34.2	51.2

Manual Integrations
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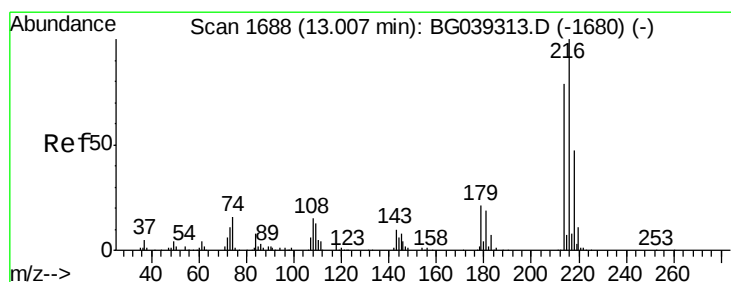
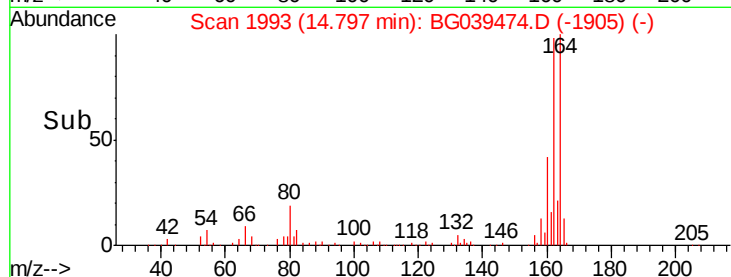
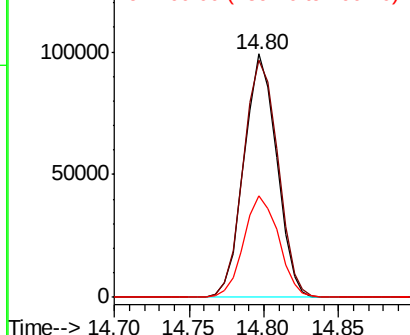


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.040 ng

RT: 12.99 min Scan# 1686

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Tgt Ion:	216	Resp:	225267
Ion Ratio	Lower	Upper	
216	100		
214	79.3	62.6	94.0
179	20.9	16.6	25.0
108	18.5	14.0	21.0

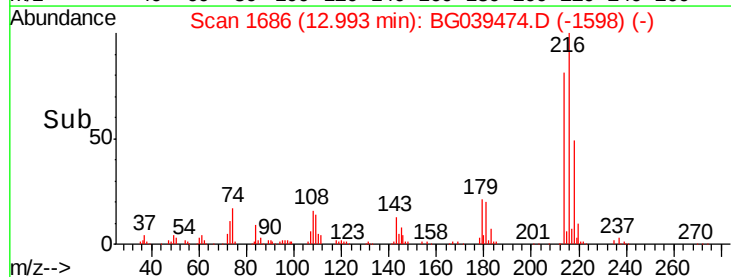
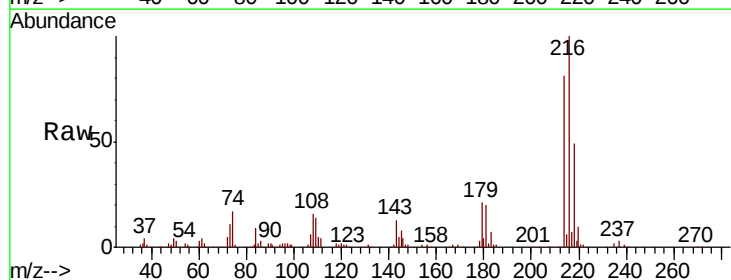
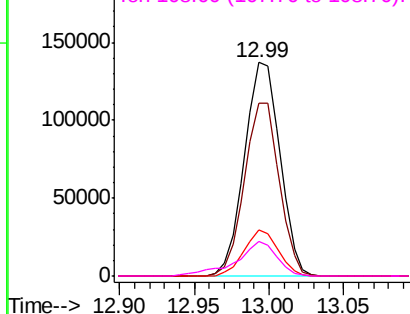
Abundance

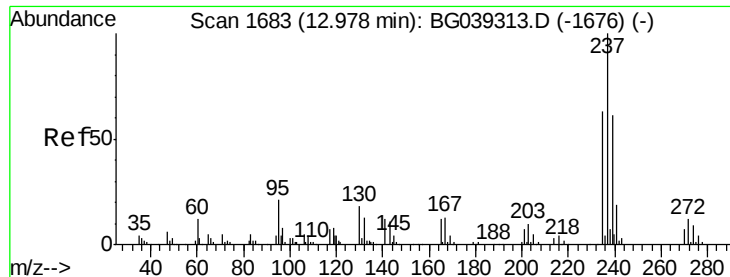
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 102.546 ng

RT: 12.96 min Scan# 1681

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

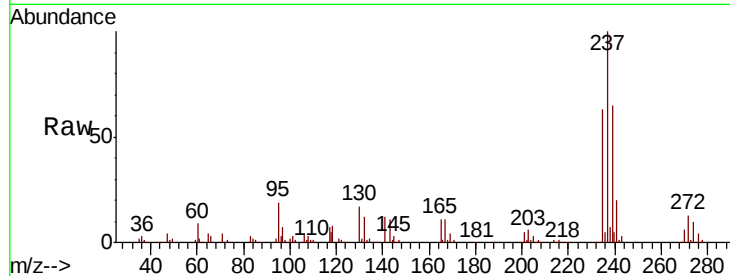
ClientSampleId :

IDW-SOIL-01MS

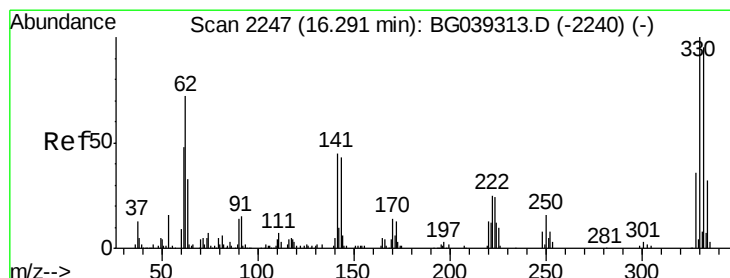
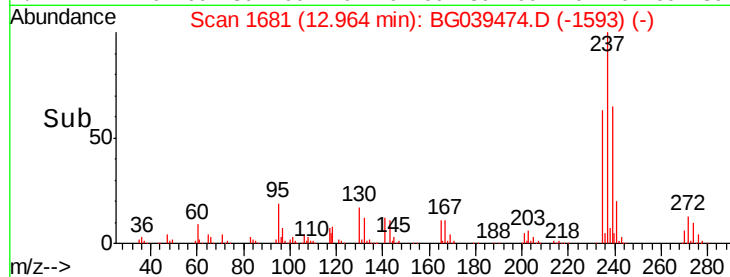
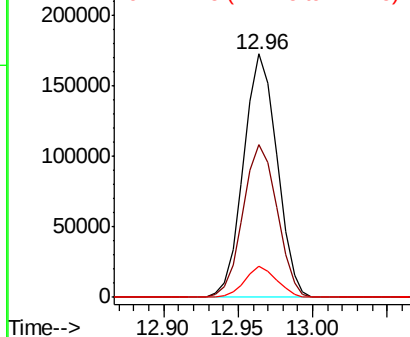
Tot Ion:	237	Resp:	267597
Ion Ratio		Lower	Upper
237	100		
235	62.5	43.3	83.3
272	12.6	0.0	32.3

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



#42

2,4,6-Tribromophenol

Concen: 176.925 ng

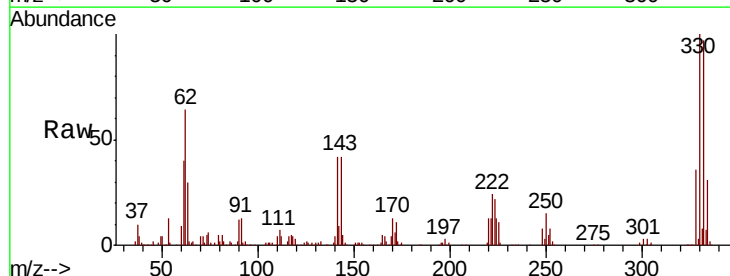
RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

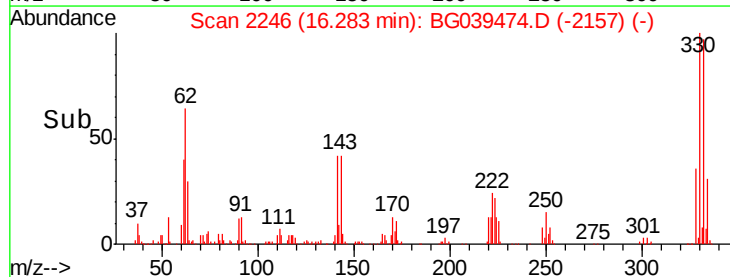
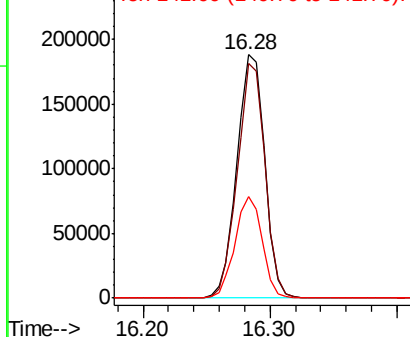
Lab File: BG039474.D

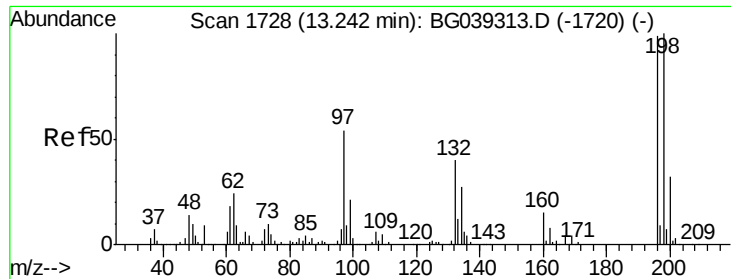
Acq: 12 Feb 2019 21:52

Tgt Ion:	330	Resp:	286753
Ion Ratio		Lower	Upper
330	100		
332	95.0	75.7	113.5
141	40.7	35.6	53.4



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





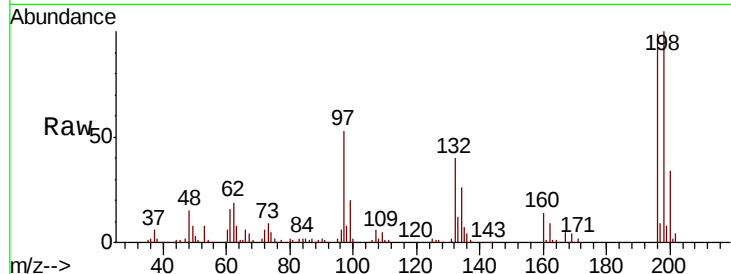
#43
 2,4,6-Trichlorophenol
 Concen: 54.410 ng
 RT: 13.23 min Scan# 1727
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	160208		
198	100.7	80.6	121.0	
200	33.9	26.1	39.1	

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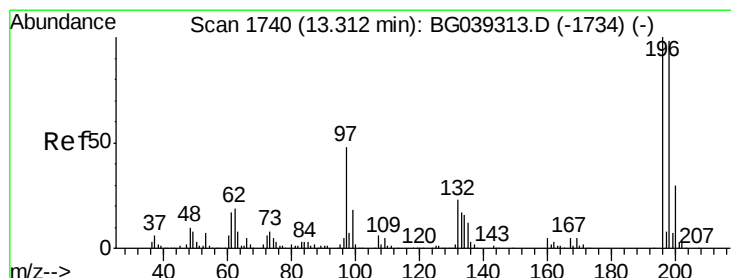
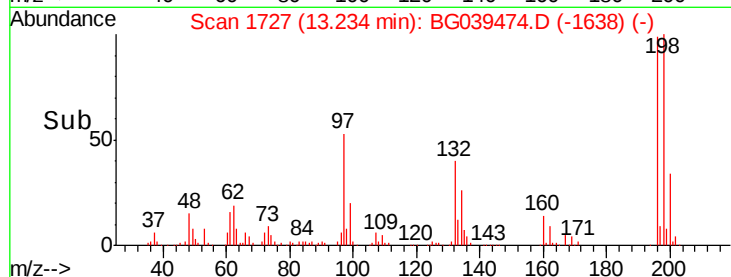
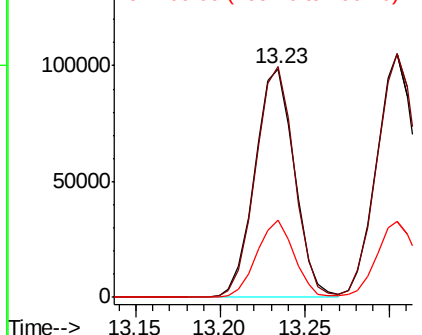


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 56.236 ng
 RT: 13.30 min Scan# 1739
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	173546		
198	99.9	78.5	117.7	
97	48.2	38.4	57.6	
132	26.3	19.2	28.8	

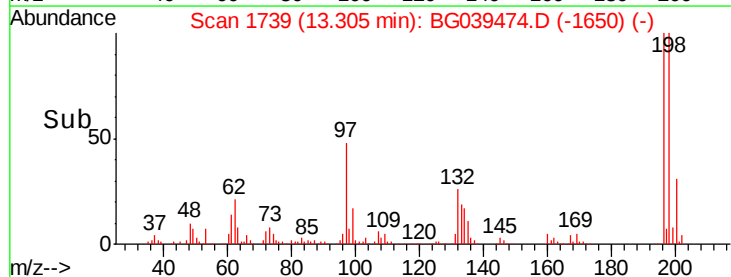
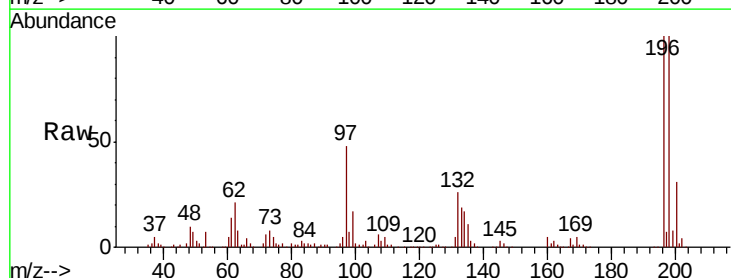
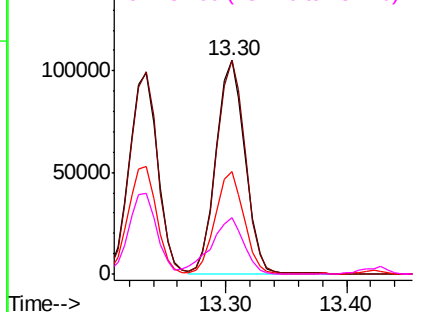
Abundance

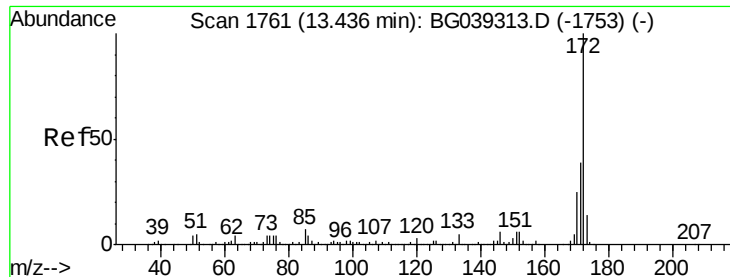
Ion 196.00 (195.70 to 196.70): E

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





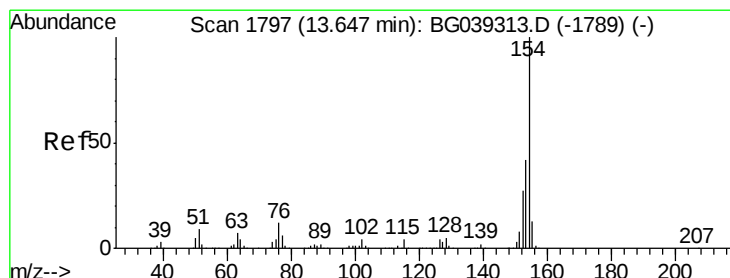
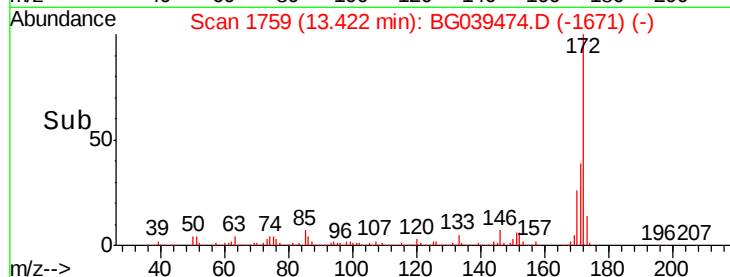
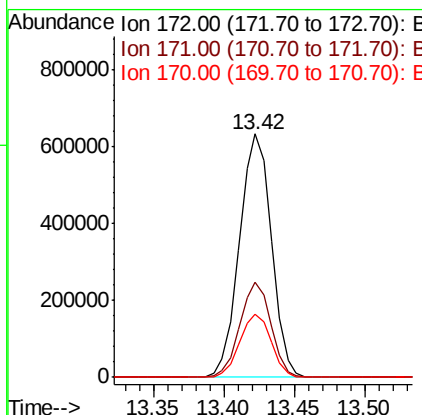
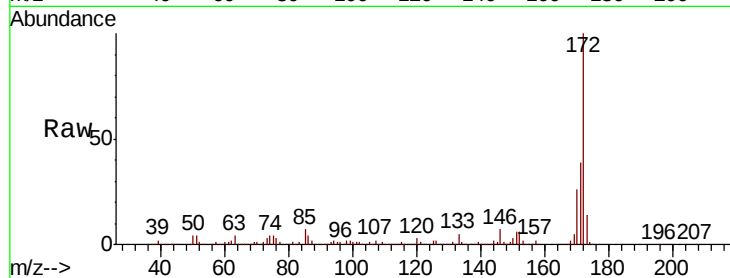
#45
2-Fluorobiphenyl
Concen: 95.354 ng
RT: 13.42 min Scan# 1759
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.3	30.8	46.2
170	25.7	20.2	30.4

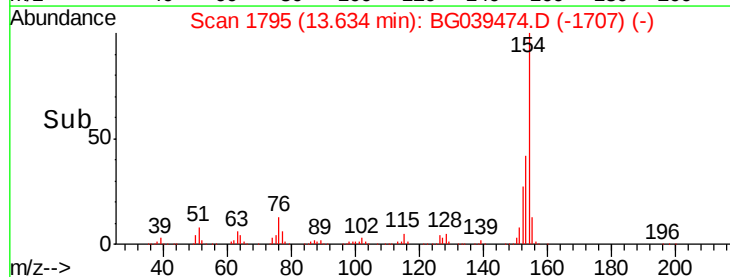
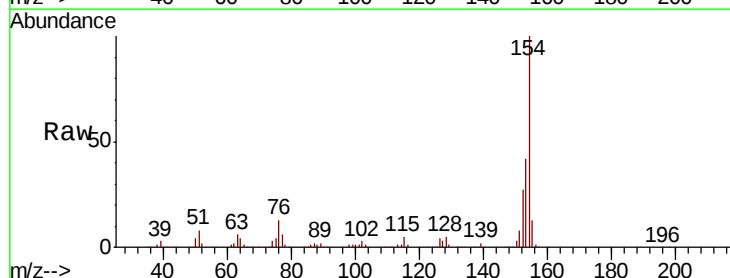
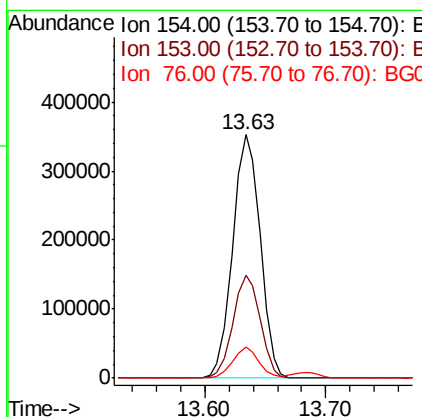
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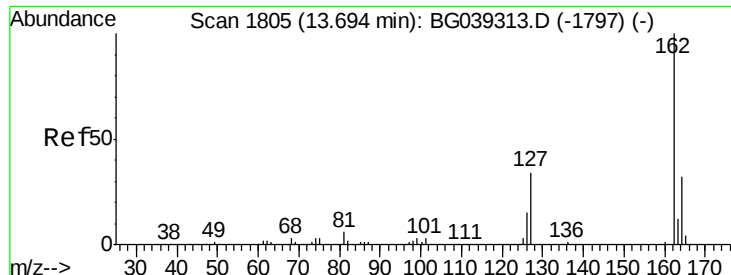
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#46
1,1'-Biphenyl
Concen: 44.603 ng
RT: 13.63 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.4	22.1	62.1
76	12.7	0.0	32.4





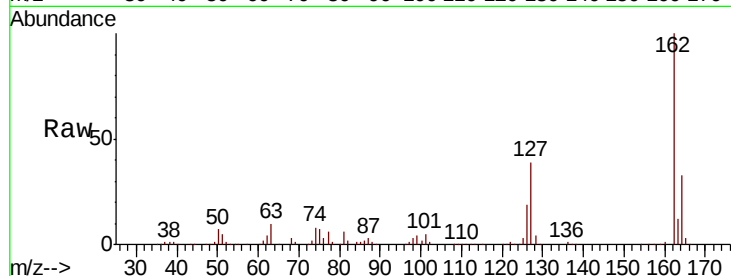
#47
 2-Chloronaphthalene
 Concen: 45.795 ng
 RT: 13.68 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MS

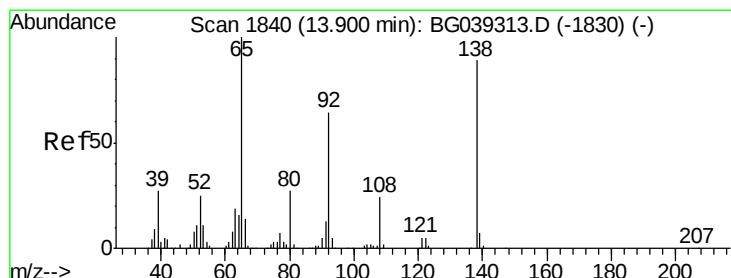
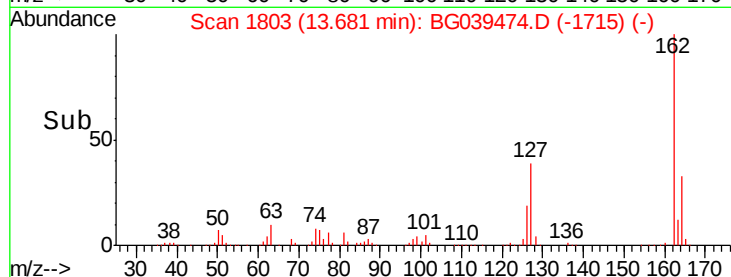
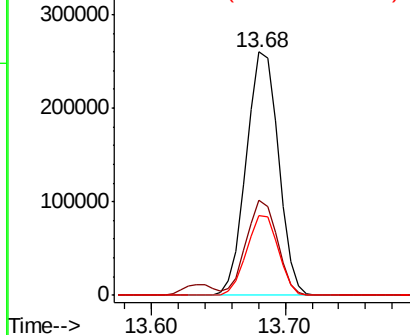
Tot Ion	Ratio	Lower	Upper
162	100		
127	39.0	31.0	46.6
164	32.9	25.7	38.5

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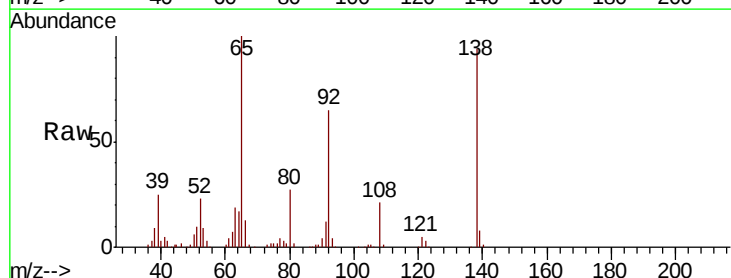


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

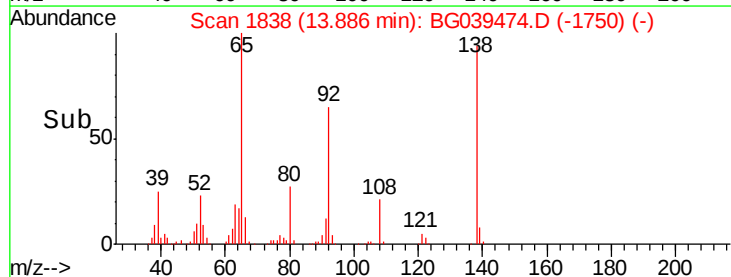
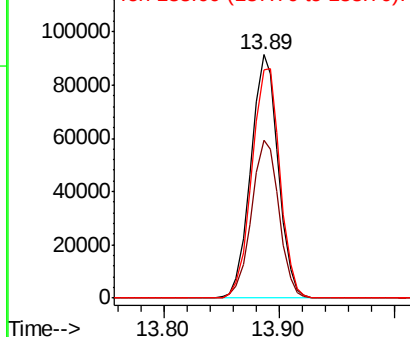


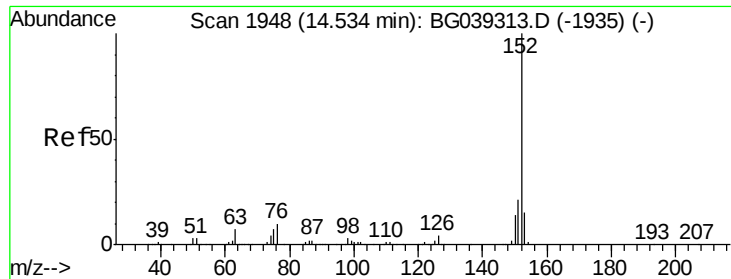
#48
 2-Nitroaniline
 Concen: 54.488 ng
 RT: 13.89 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
65	100		
92	65.0	51.4	77.2
138	93.8	71.4	107.2



Abundance Ion 65.00 (64.70 to 65.70): BGC
 Ion 92.00 (91.70 to 92.70): BGC
 Ion 138.00 (137.70 to 138.70): E





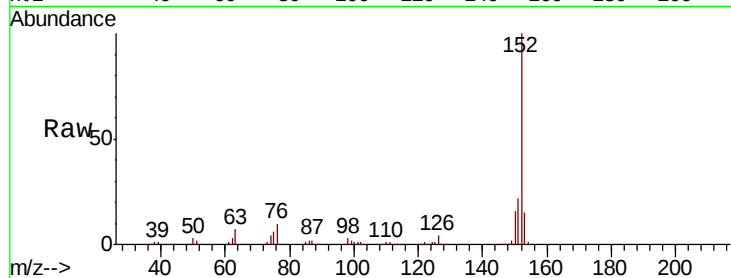
#49
Acenaphthylene
Concen: 49.209 ng
RT: 14.53 min Scan# 1947
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.7	16.8	25.2
153	14.7	11.7	17.5

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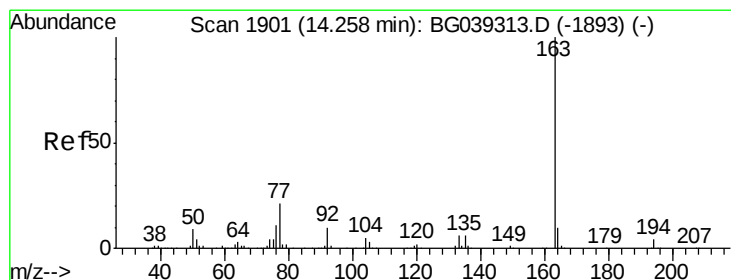
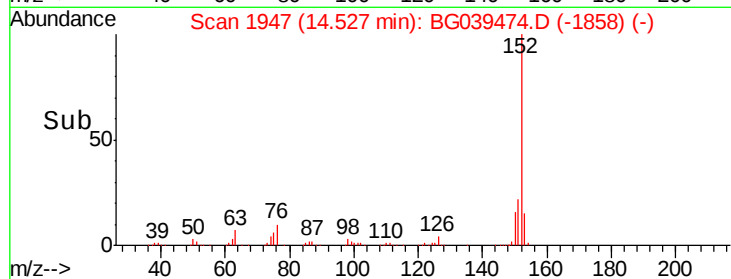
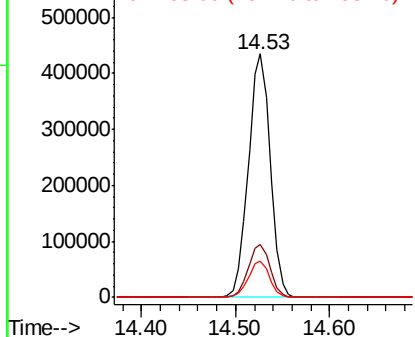


Abundance

Ion 152.00 (151.70 to 152.70): E

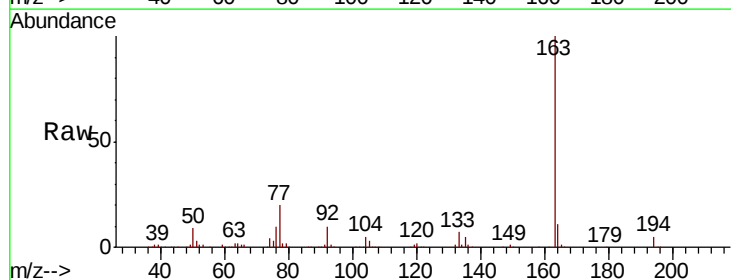
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50
Dimethylphthalate
Concen: 47.322 ng
RT: 14.24 min Scan# 1899
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.6	5.4
164	11.0	8.4	12.6

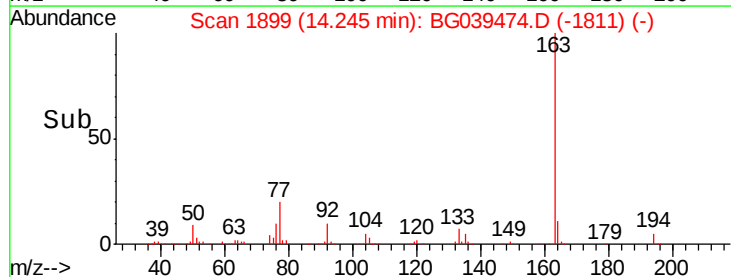
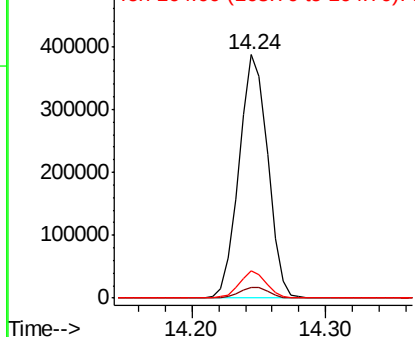


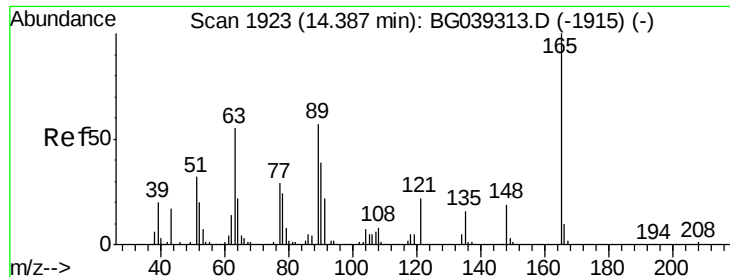
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 56.013 ng

RT: 14.37 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

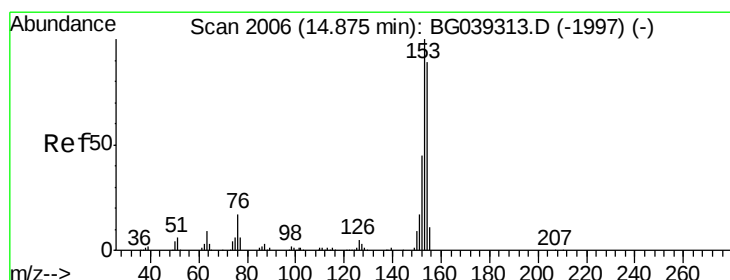
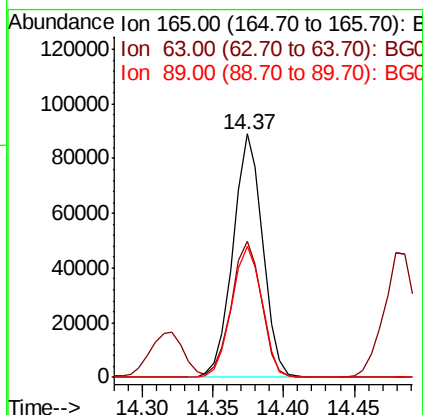
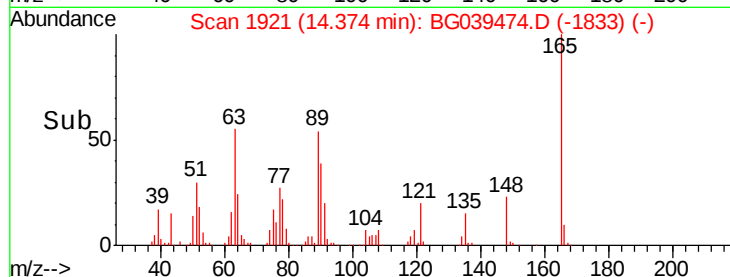
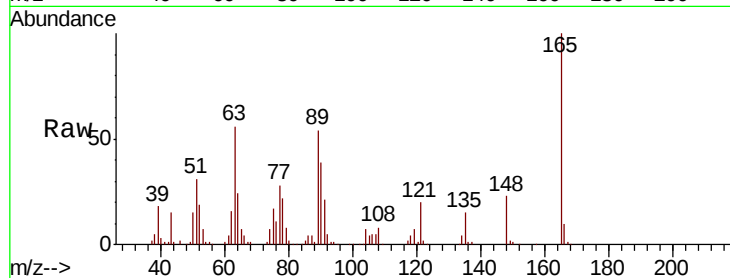
IDW-SOIL-01MS

Tot Ion:165 Resp: 130138
Ion Ratio Lower Upper

165	100		
63	56.0	47.0	70.6
89	54.0	45.8	68.8

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#52

Acenaphthene

Concen: 46.231 ng

RT: 14.86 min Scan# 2004

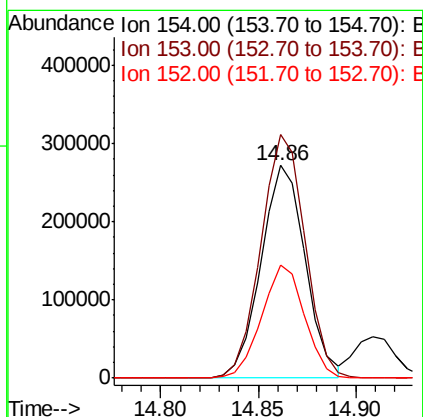
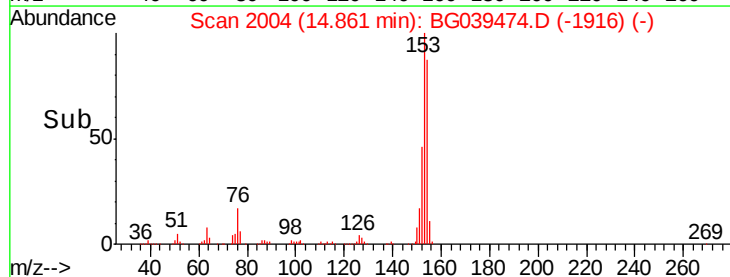
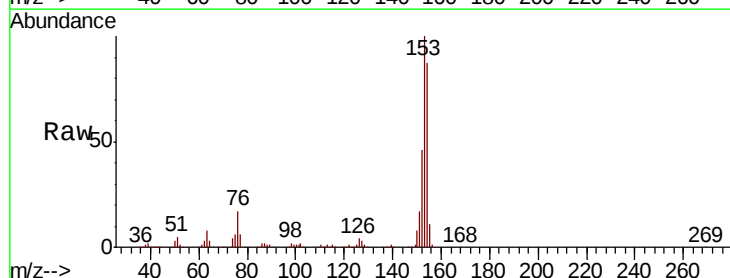
Delta R.T. -0.01 min

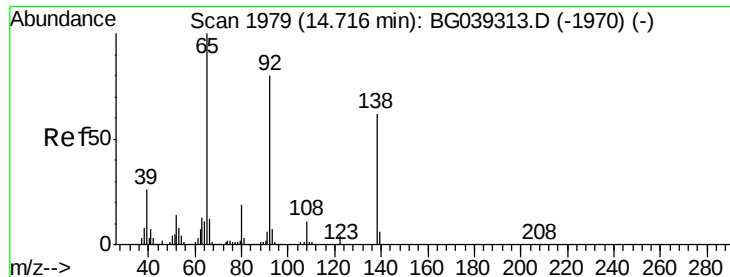
Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Tgt Ion:154 Resp: 426586
Ion Ratio Lower Upper

154	100		
153	114.5	90.1	135.1
152	53.1	40.9	61.3





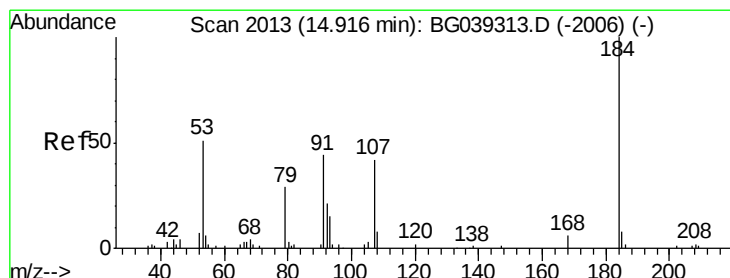
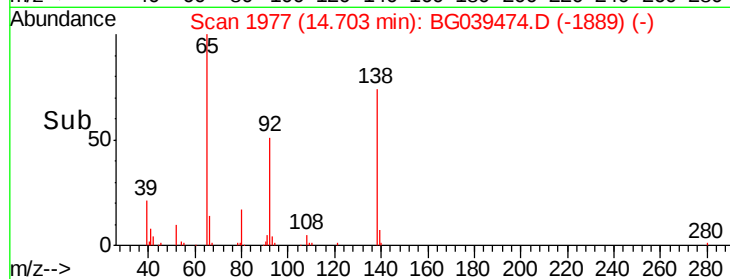
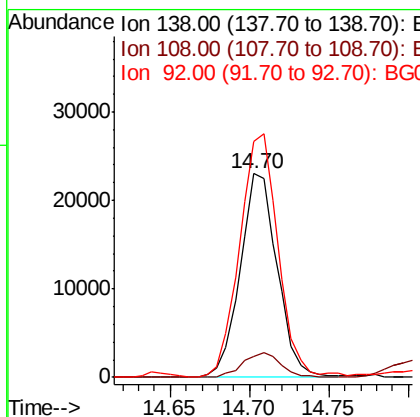
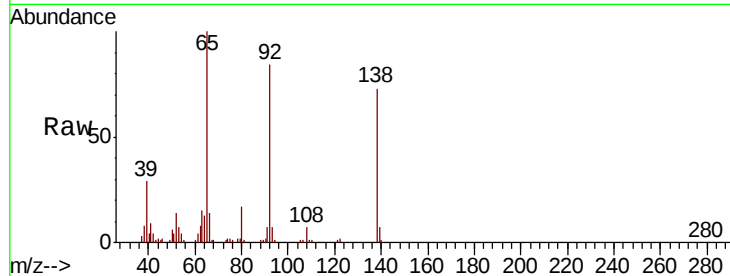
#53
3-Nitroaniline
Concen: 19.174 ng
RT: 14.70 min Scan# 1977
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tot Ion:138 Resp: 37306
Ion Ratio Lower Upper
138 100
108 10.2 13.8 20.8#
92 115.7 103.7 155.5

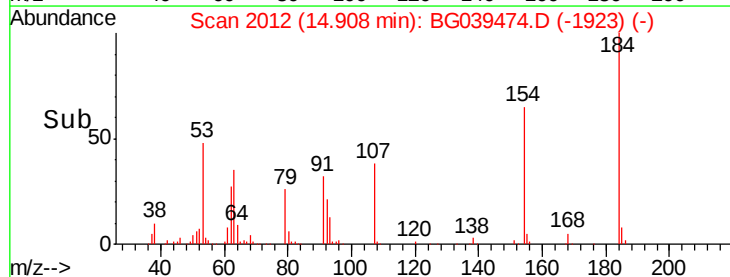
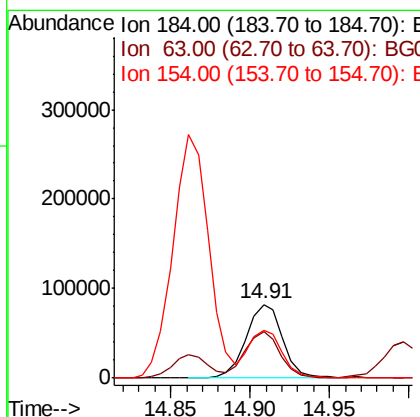
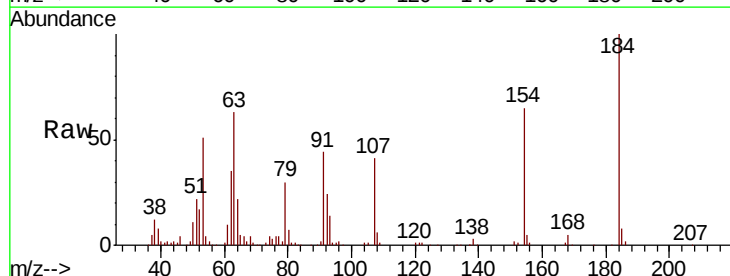
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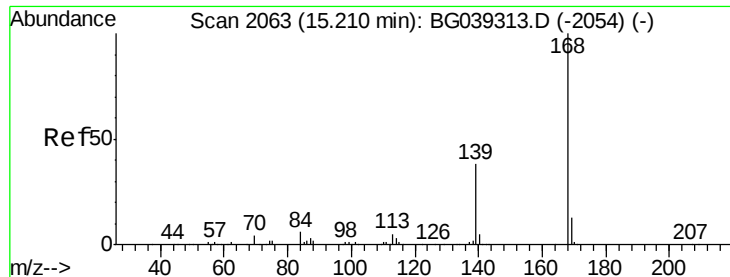
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#54
2,4-Dinitrophenol
Concen: 110.685 ng
RT: 14.91 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion:184 Resp: 132070
Ion Ratio Lower Upper
184 100
63 63.4 50.9 76.3
154 64.6 53.0 79.6





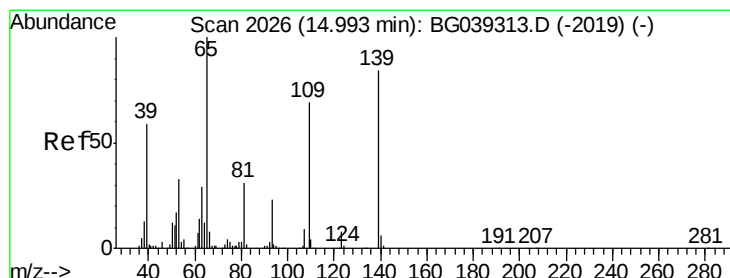
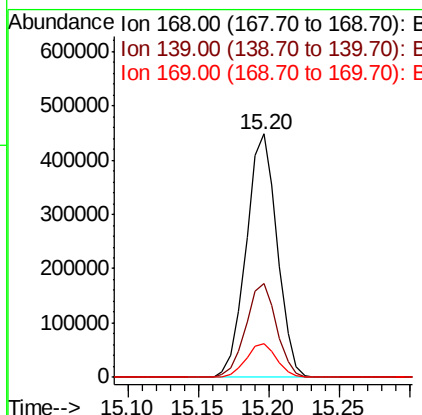
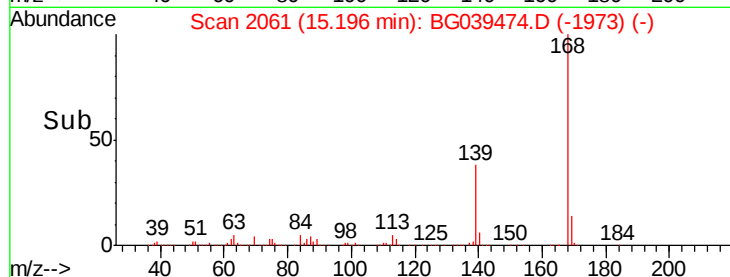
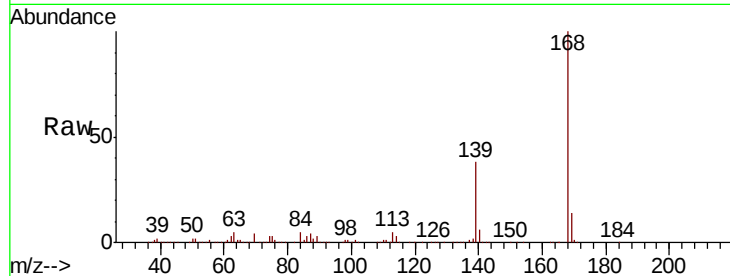
#55
Dibenzofuran
Concen: 46.583 ng
RT: 15.20 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.5	30.1	45.1
169	13.9	10.6	16.0

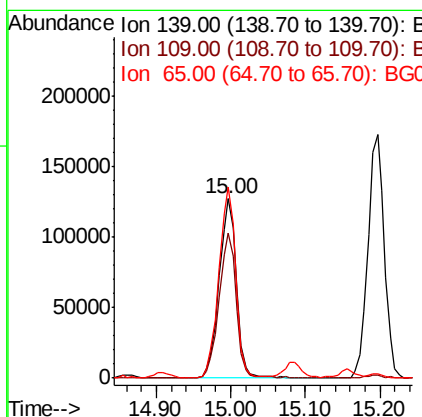
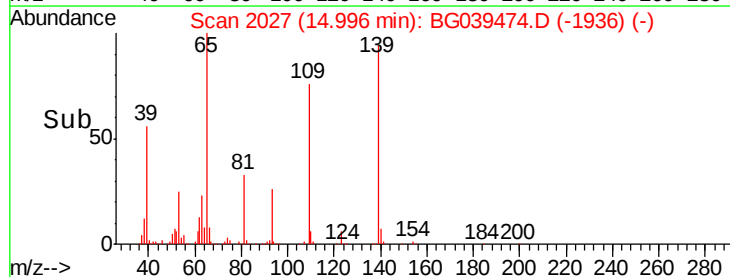
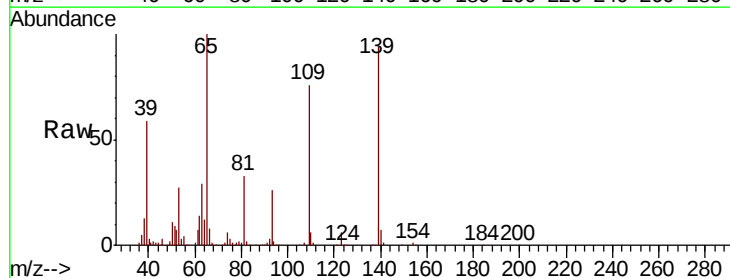
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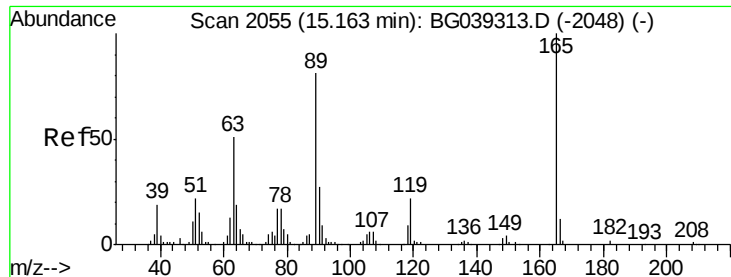
Sohil
2/13/2019 9:56:56 AM



#56
4-Nitrophenol
Concen: 91.809 ng
RT: 15.00 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
139	100		
109	81.3	61.9	101.9
65	106.8	99.1	139.1





#57

2,4-Dinitrotoluene

Concen: 60.333 ng

RT: 15.16 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

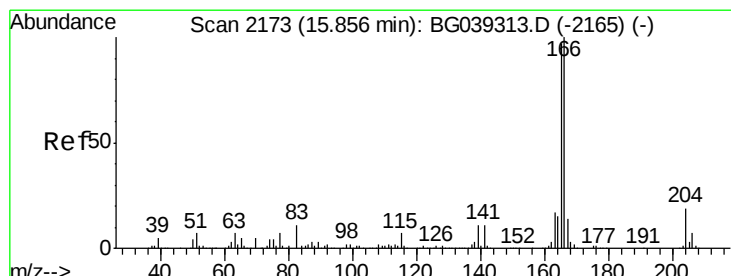
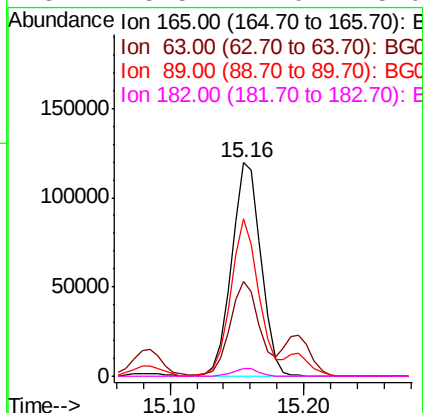
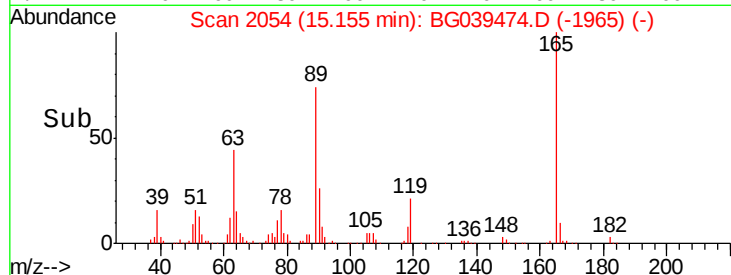
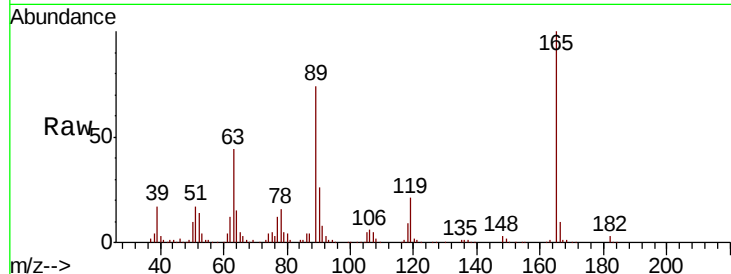
ClientSampleId :

IDW-SOIL-01MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		182571		
63	44.4	41.0	61.6		
89	73.7	64.6	96.8		
182	3.5	2.0	3.0#		

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#58

Fluorene

Concen: 49.928 ng

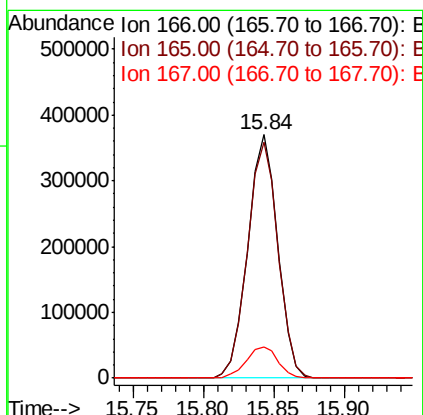
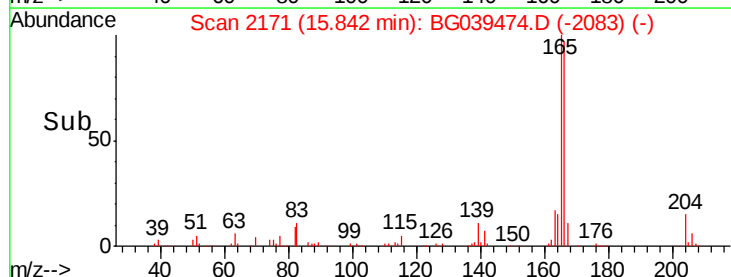
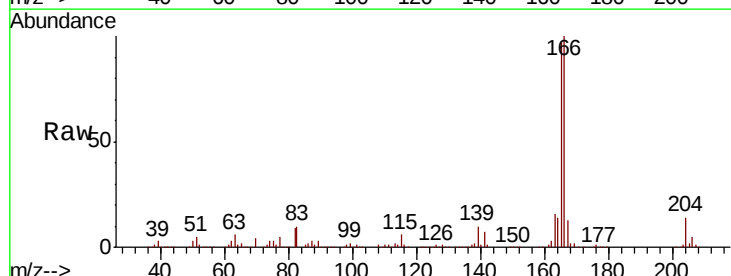
RT: 15.84 min Scan# 2171

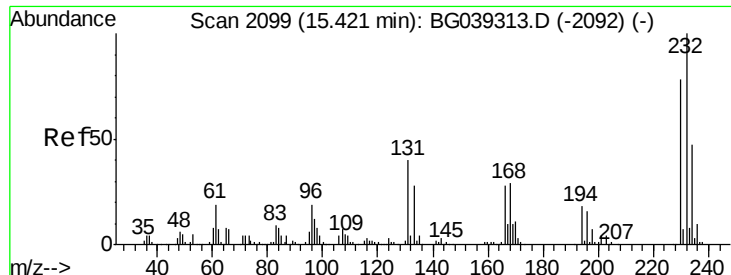
Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		550638		
165	96.8	77.9	116.9		
167	12.8	10.8	16.2		





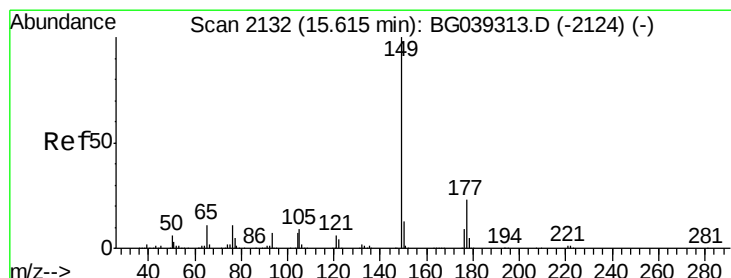
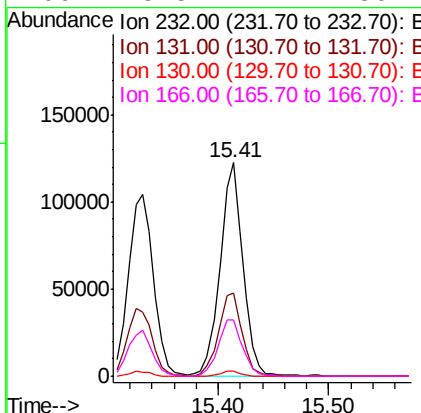
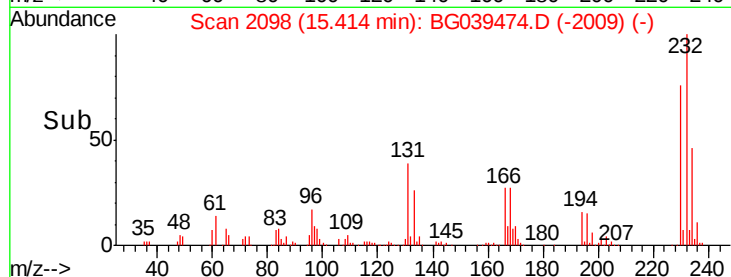
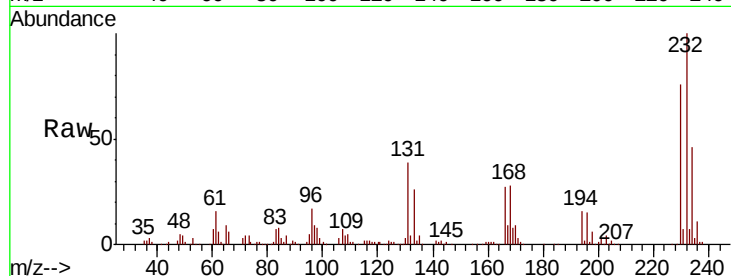
#59
2,3,4,6-Tetrachlorophenol
Concen: 60.835 ng
RT: 15.41 min Scan# 2098
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tot Ion	Ratio	Lower	Upper
232	100		
131	40.4	34.9	52.3
130	2.4	2.0	3.0
166	28.5	24.1	36.1

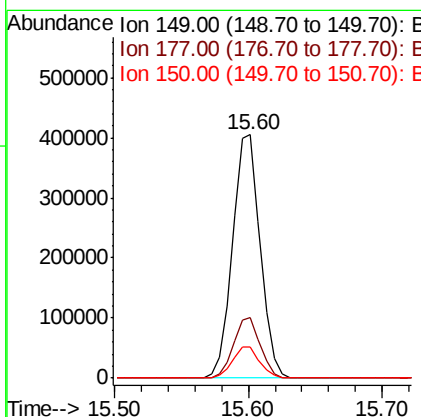
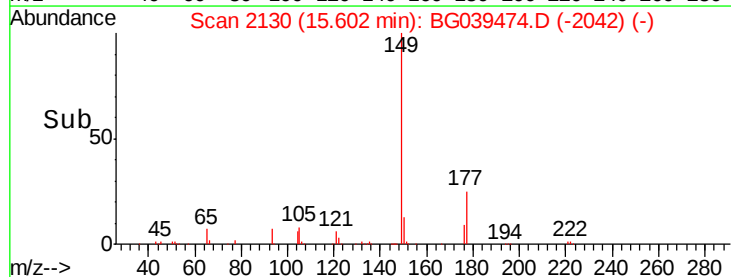
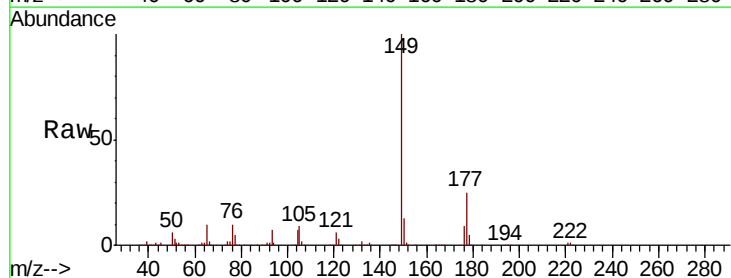
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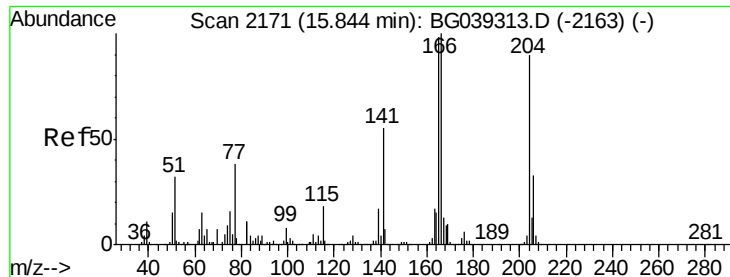
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#60
Diethylphthalate
Concen: 46.189 ng
RT: 15.60 min Scan# 2130
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
149	100		
177	25.1	18.3	27.5
150	13.0	10.2	15.2





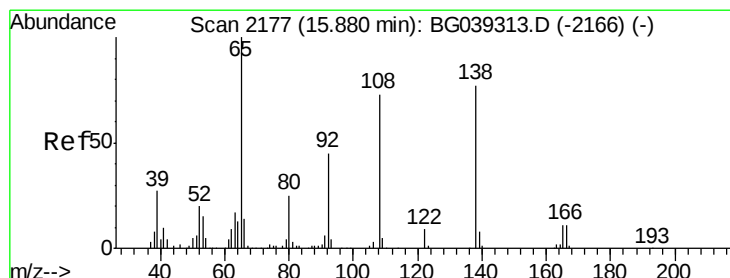
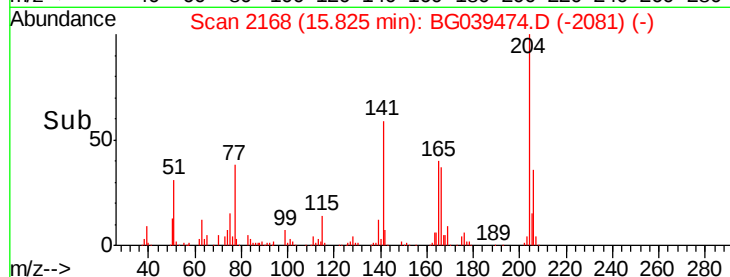
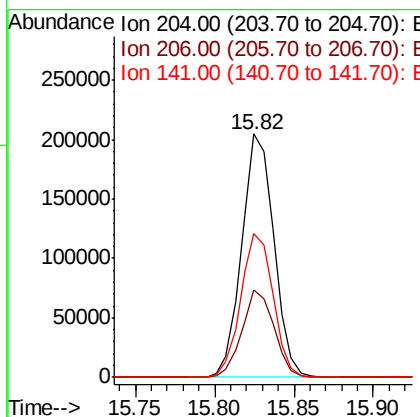
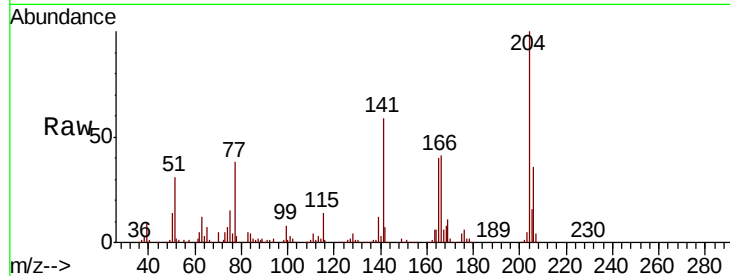
#61
4-Chlorophenyl-phenylether
Concen: 46.068 ng
RT: 15.82 min Scan# 2168
Delta R.T. -0.02 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tot Ion	Ratio	Resp	Lower	Upper
204	100	287683		
206	35.8		29.2	43.8
141	58.9		49.0	73.4

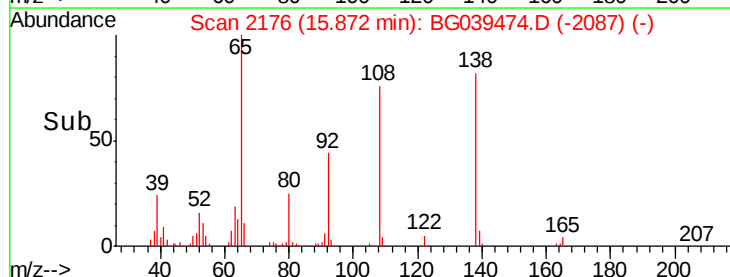
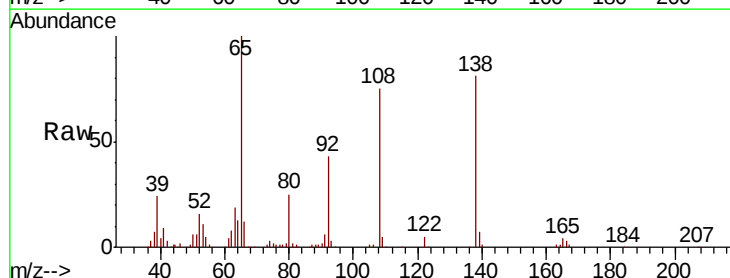
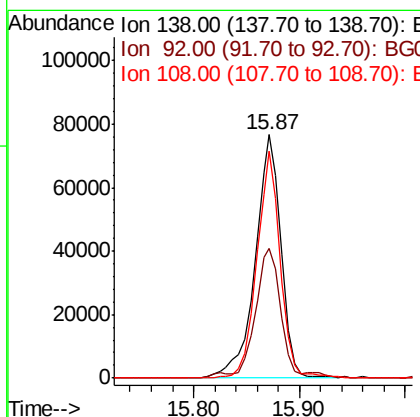
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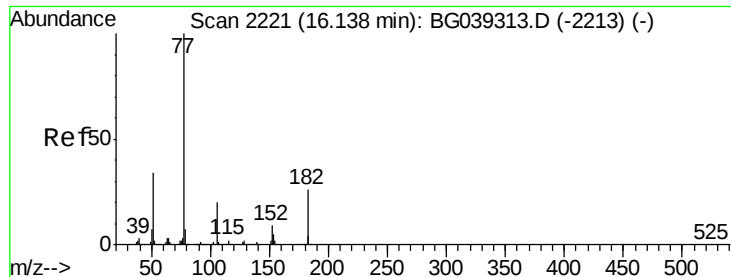
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#62
4-Nitroaniline
Concen: 50.665 ng
RT: 15.87 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	129801		
92	53.3		38.7	78.7
108	93.1		74.6	114.6





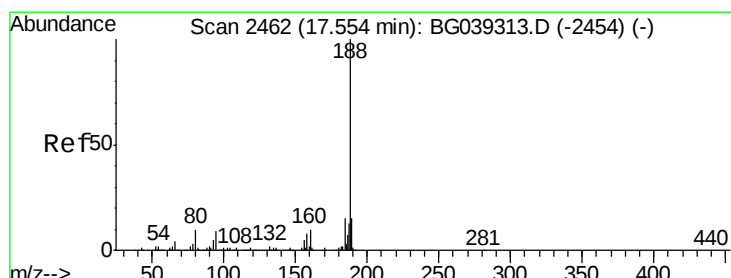
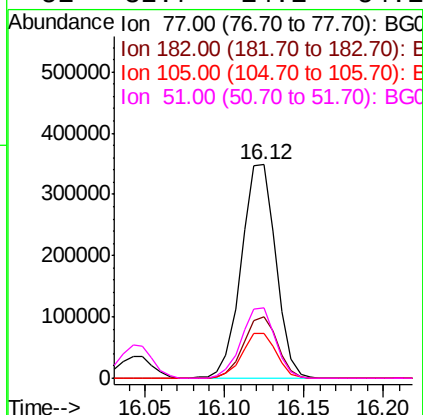
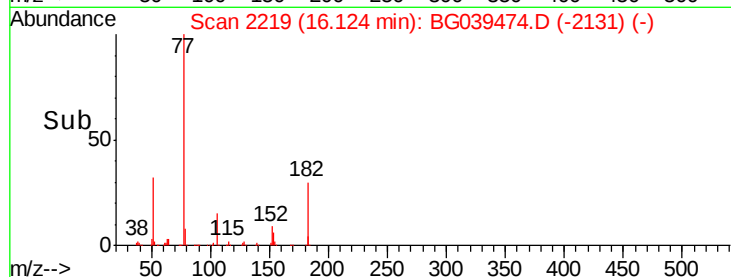
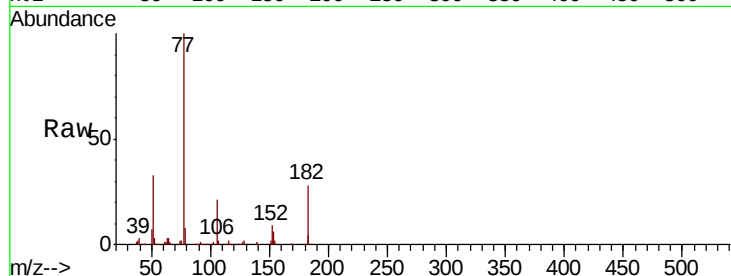
#63
Azobenzene
Concen: 42.768 ng
RT: 16.12 min Scan# 2219
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tot Ion	Ratio	Lower	Upper
77	100		
182	28.5	6.4	46.4
105	20.8	0.0	39.8
51	32.7	14.1	54.1

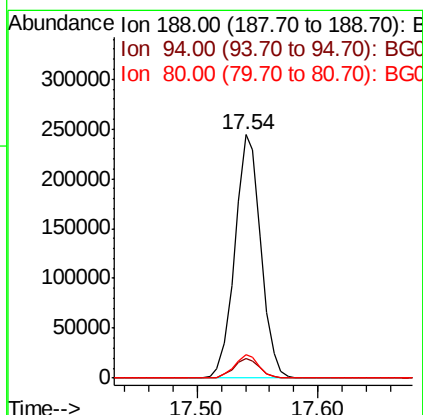
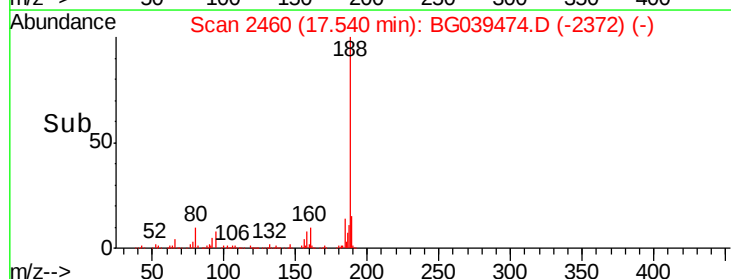
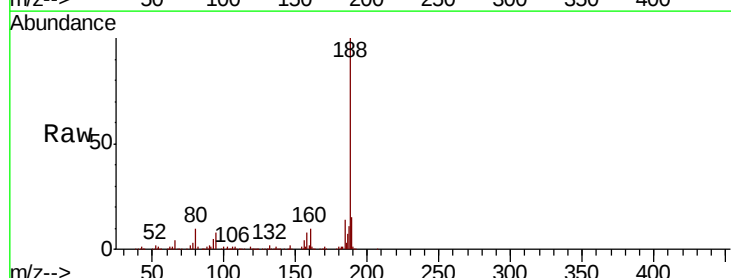
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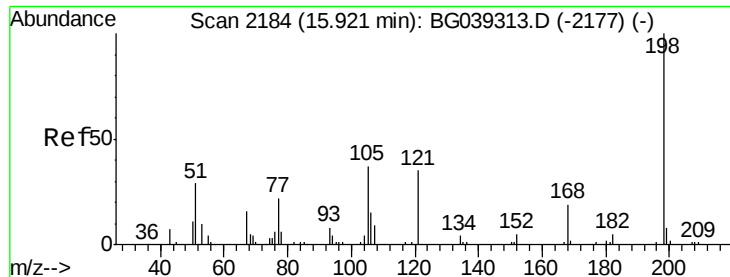
Sohil
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.54 min Scan# 2460
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.9	10.3
80	9.5	8.1	12.1





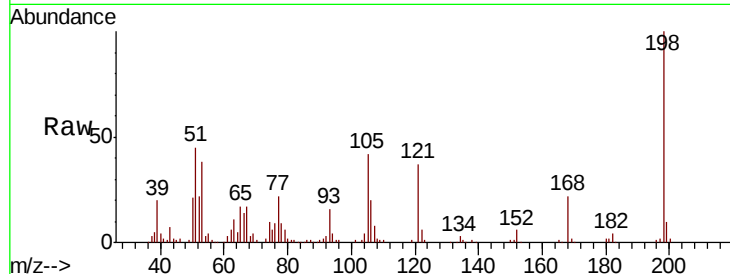
#65
4,6-Dinitro-2-methylphenol
Concen: 62.563 ng
RT: 15.91 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	100498		
51	45.1		27.4	67.4
105	42.1		19.7	59.7

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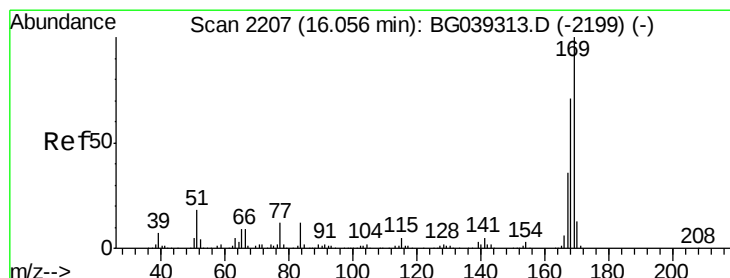
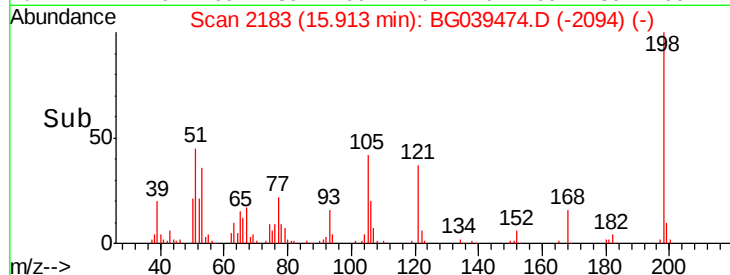
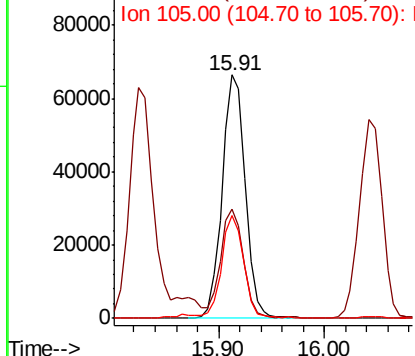


Abundance

Ion 198.00 (197.70 to 198.70): E

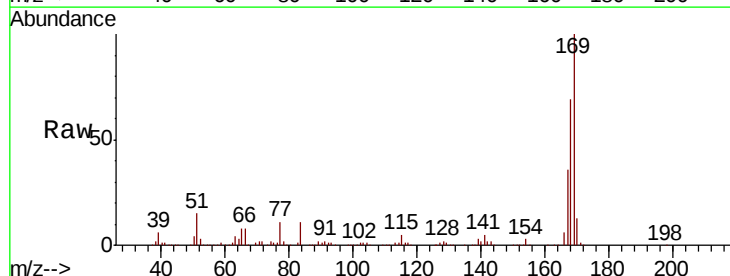
Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66
n-Nitrosodiphenylamine
Concen: 45.868 ng
RT: 16.05 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	507881		
168	68.9		56.6	85.0
167	36.1		28.8	43.2

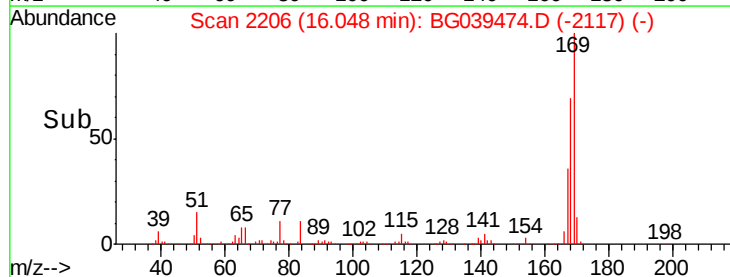
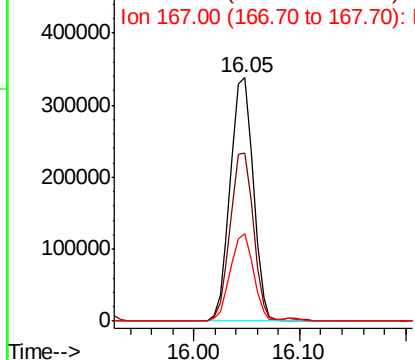


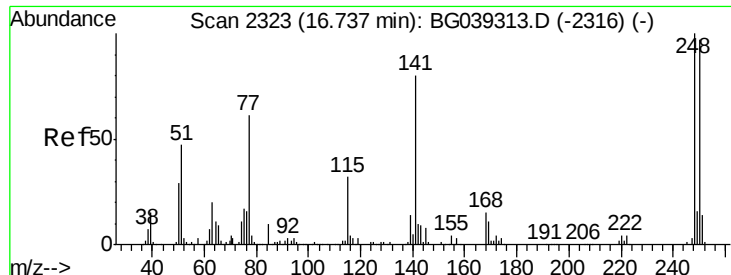
Abundance

Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





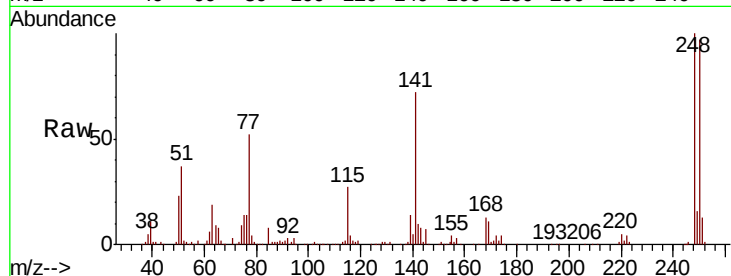
#67
 4-Bromophenyl-phenylether
 Concen: 47.330 ng
 RT: 16.72 min Scan# 2321
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.3	77.6	116.4
141	71.7	63.9	95.9

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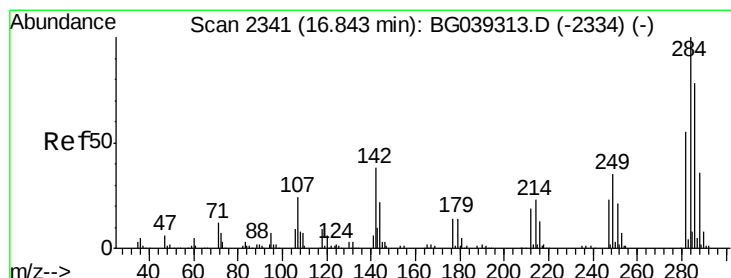
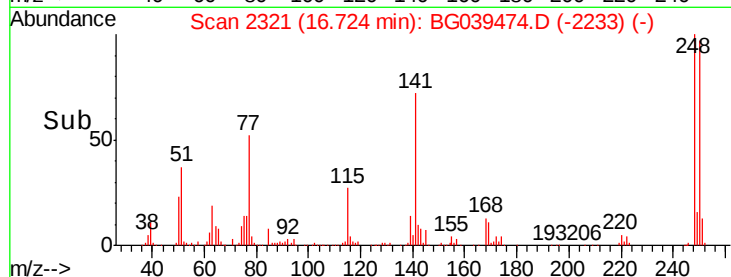
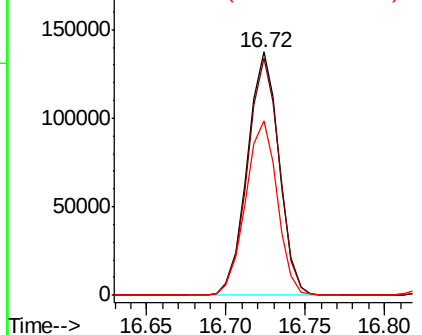


Abundance

Ion 248.00 (247.70 to 248.70): E

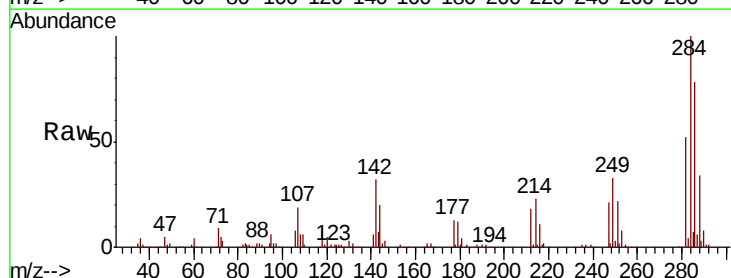
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
 Hexachlorobenzene
 Concen: 49.170 ng
 RT: 16.84 min Scan# 2340
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.2	30.6	45.8
249	32.7	28.2	42.2

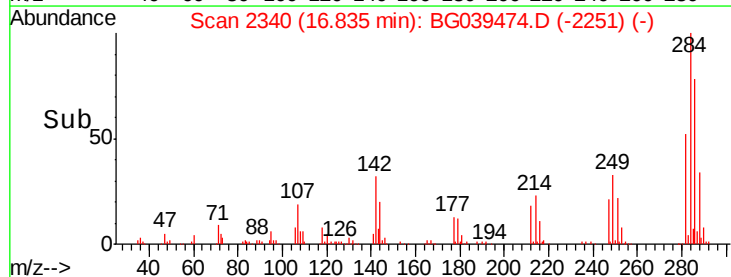
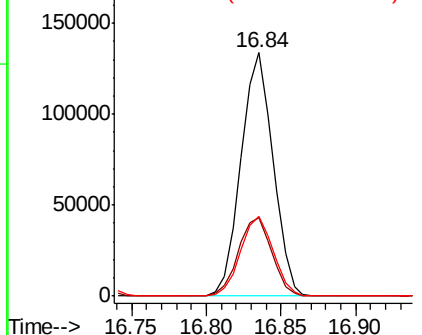


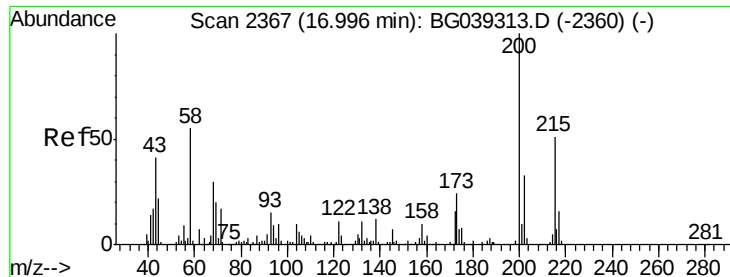
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





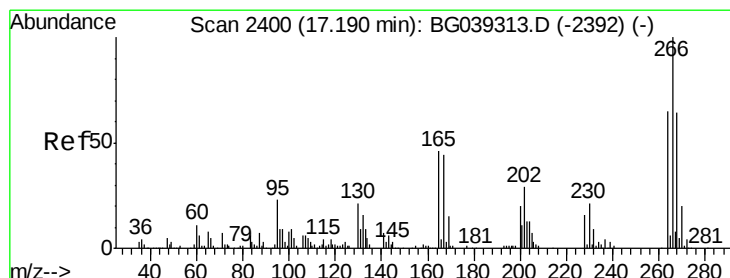
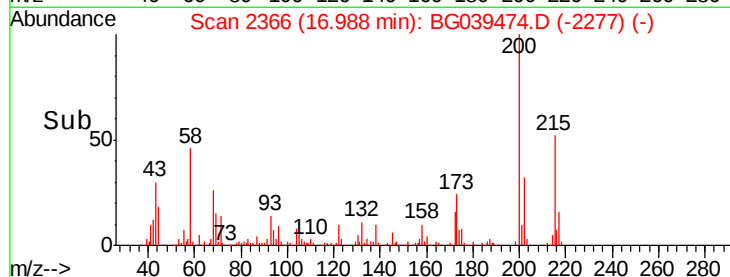
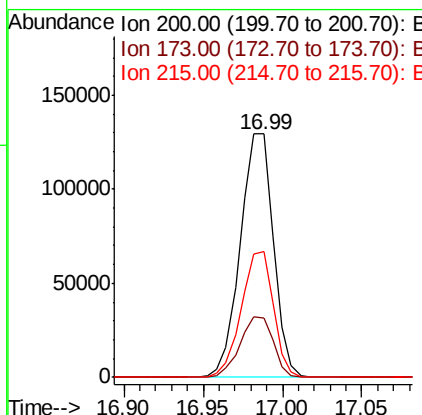
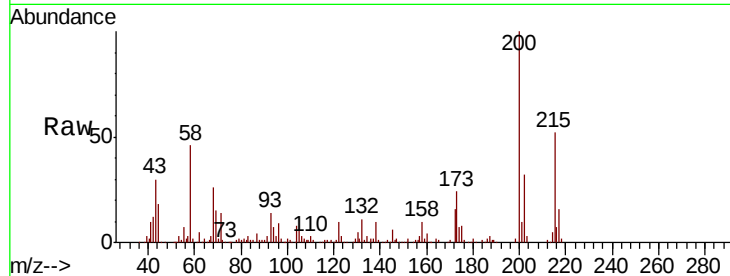
#69
Atrazine
Concen: 46.450 ng
RT: 16.99 min Scan# 2366
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	24.4	3.9	43.9
215	51.9	30.9	70.9

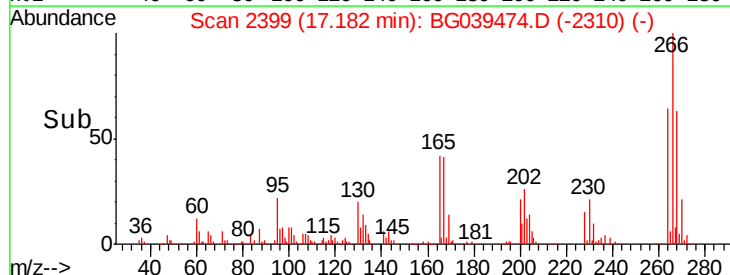
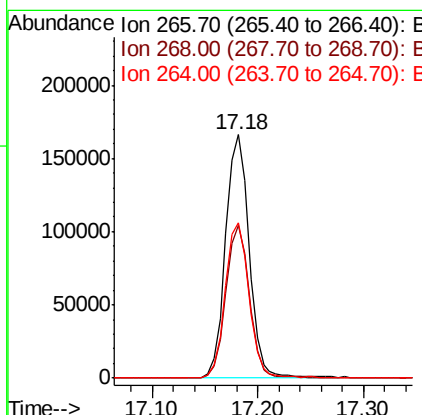
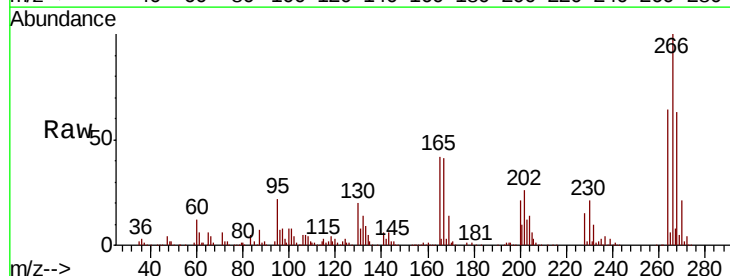
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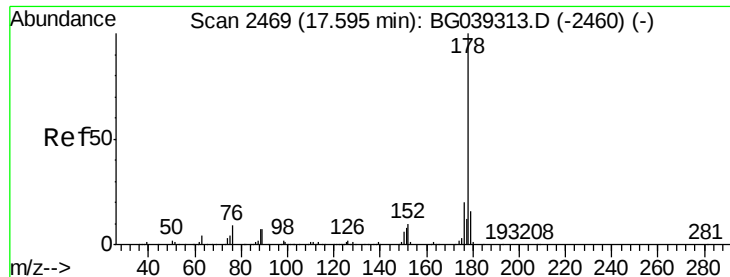
Sohil
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#70
Pentachlorophenol
Concen: 91.507 ng
RT: 17.18 min Scan# 2399
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	62.6	51.1	76.7
264	63.9	52.1	78.1





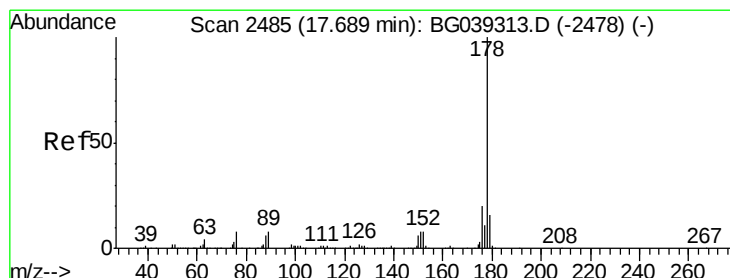
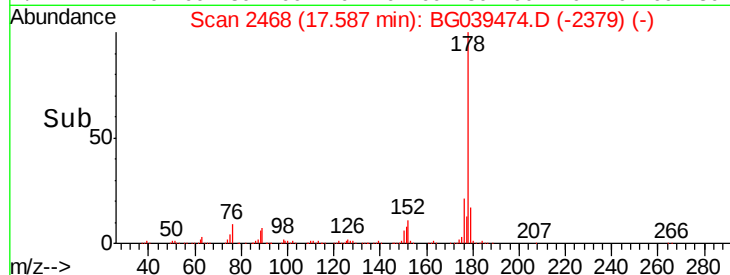
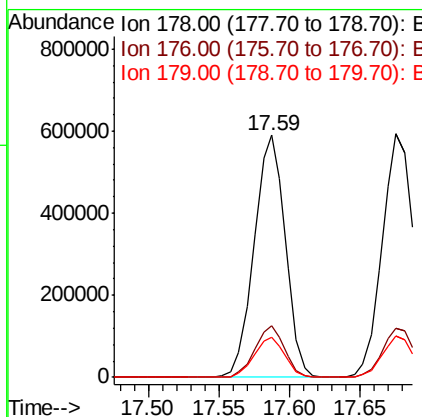
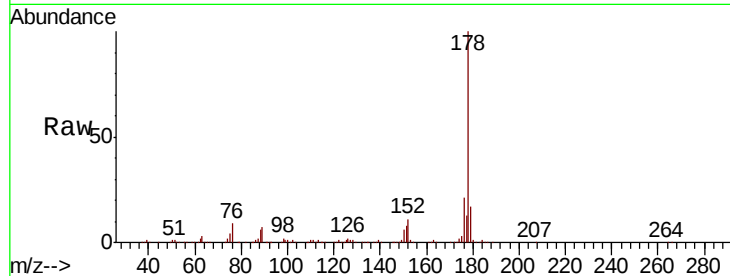
#71
Phenanthrene
Concen: 48.530 ng
RT: 17.59 min Scan# 2468
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.1	16.2	24.4
179	16.6	12.6	19.0

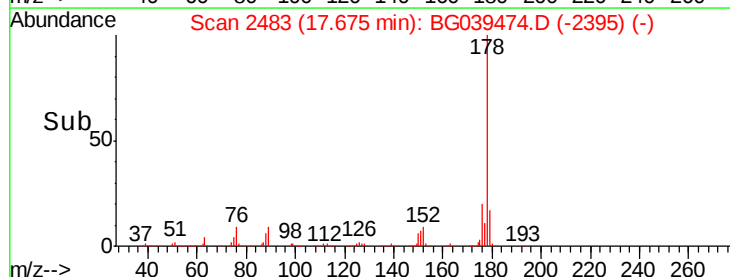
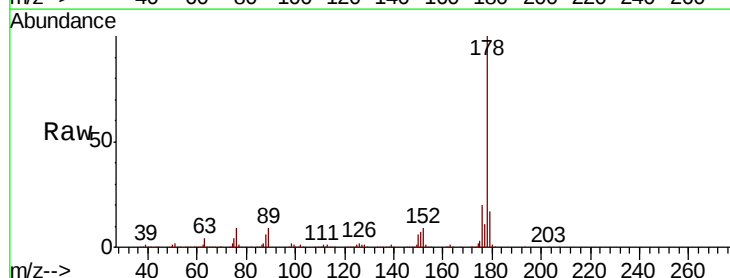
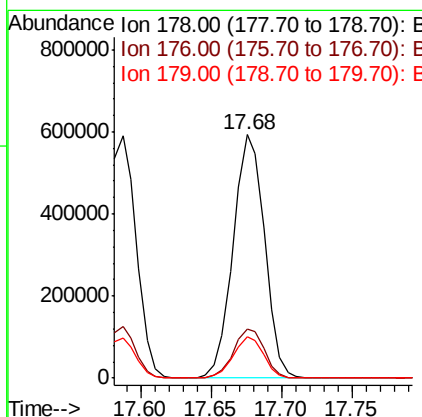
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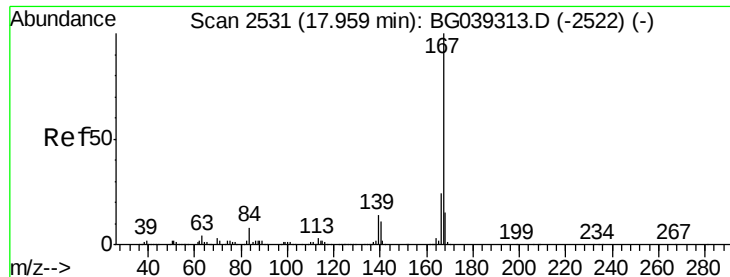
Sohil
2/13/2019 9:56:56 AM



#72
Anthracene
Concen: 49.556 ng
RT: 17.68 min Scan# 2483
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.8	23.6
179	17.1	12.5	18.7





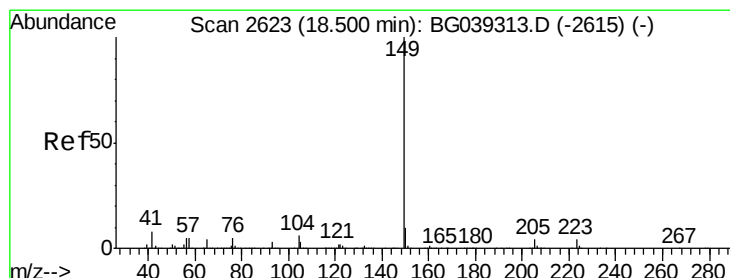
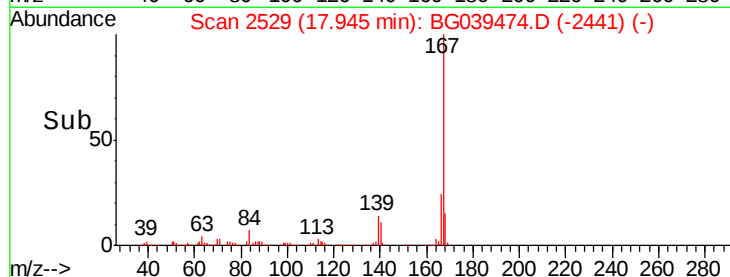
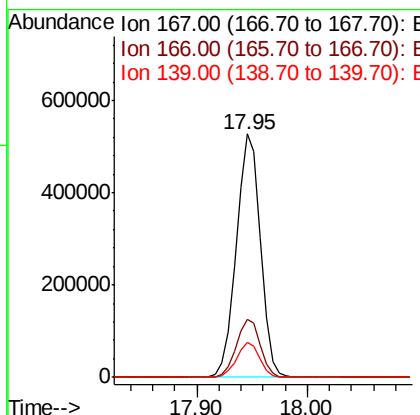
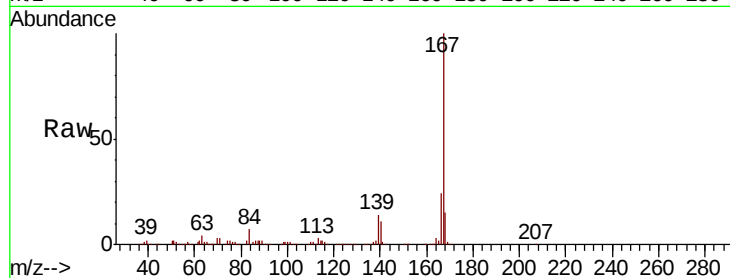
#73
 Carbazole
 Concen: 43.546 ng
 RT: 17.95 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MS

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.9	19.4	29.2
139	14.3	10.8	16.2

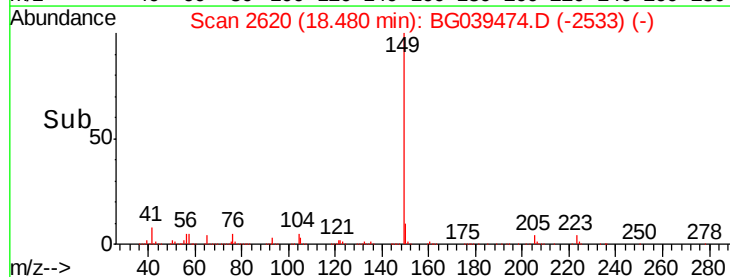
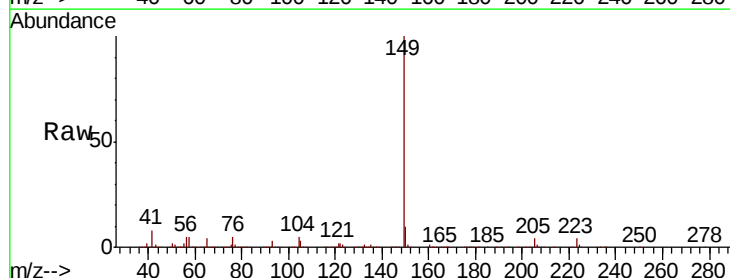
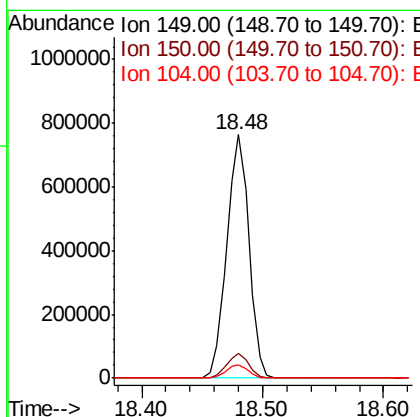
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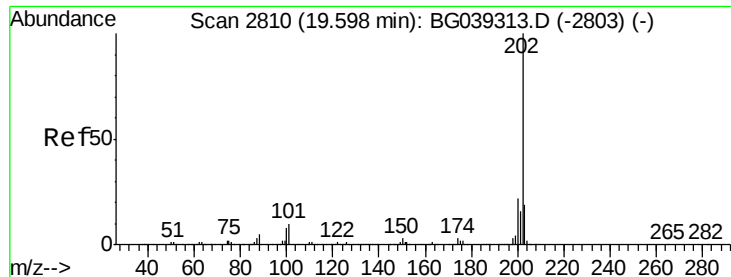
Sohil
 2/13/2019 9:56:56 AM



#74
 Di-n-butylphthalate
 Concen: 45.029 ng
 RT: 18.48 min Scan# 2620
 Delta R.T. -0.02 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.1	7.7	11.5
104	5.4	4.5	6.7





#75

Fluoranthene

Concen: 48.815 ng

RT: 19.58 min Scan# 2808

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

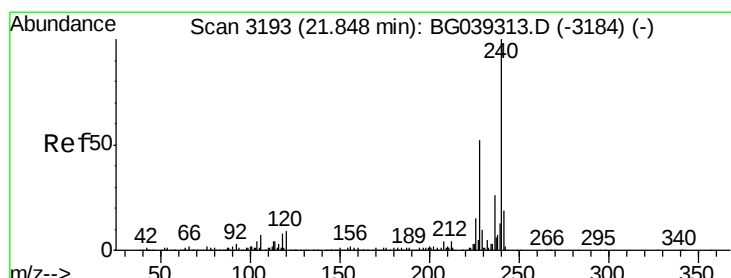
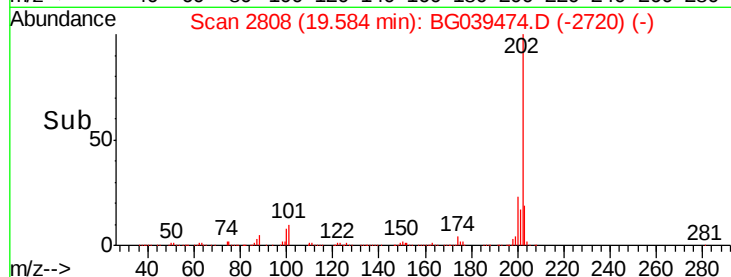
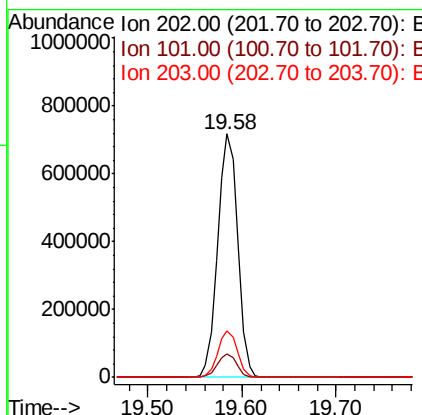
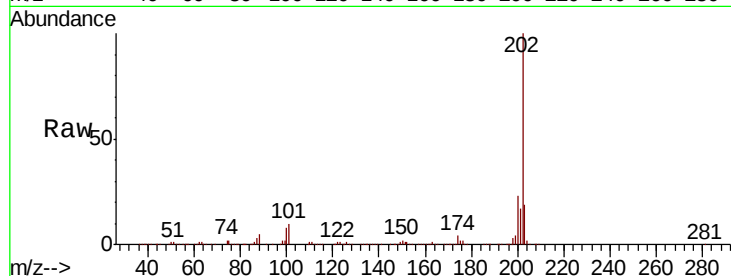
ClientSampleId :

IDW-SOIL-01MS

Tot Ion:	202	Resp:	1067879
Ion Ratio	Lower	Upper	
202	100		
101	9.8	0.0	30.0
203	19.2	0.0	38.9

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#76

Chrysene-d12

Concen: 20.000 ng

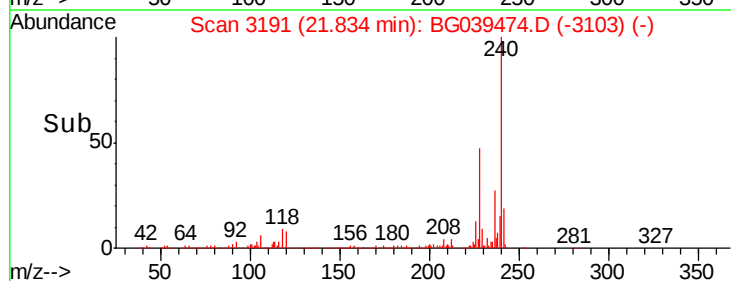
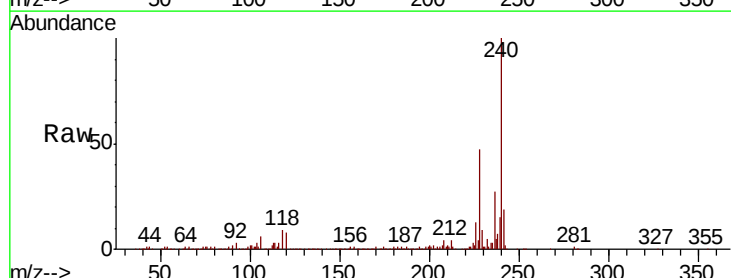
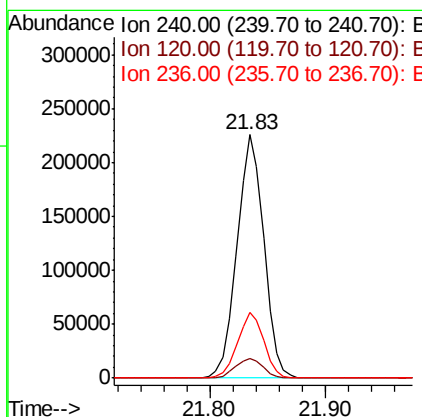
RT: 21.83 min Scan# 3191

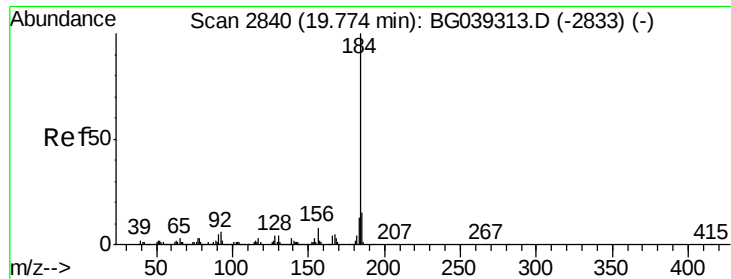
Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Tgt Ion:	240	Resp:	361807
Ion Ratio	Lower	Upper	
240	100		
120	7.9	7.0	10.6
236	26.9	21.0	31.4





#77

Benzidine

Concen: 8.425 ng

RT: 19.77 min Scan# 2839

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

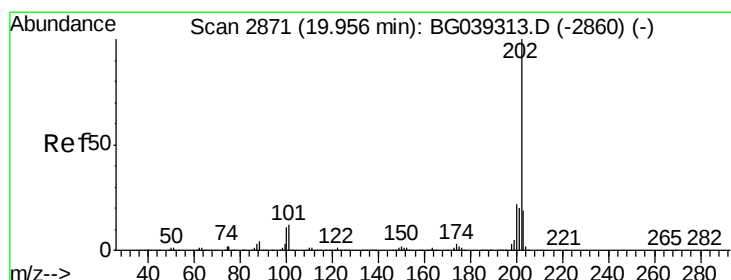
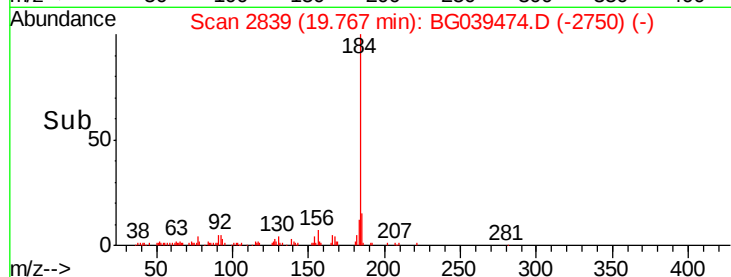
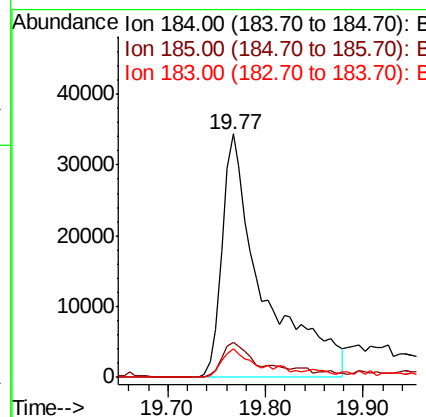
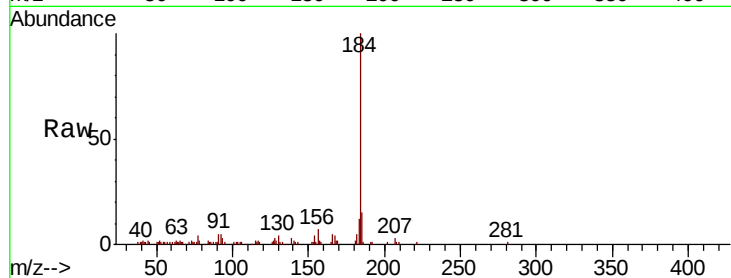
ClientSampleId :

IDW-SOIL-01MS

Tot Ion:	184	Resp:	99939
Ion Ratio	Lower	Upper	
184	100		
185	14.6	12.2	18.2
183	11.8	10.6	15.8

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#78

Pyrene

Concen: 47.586 ng

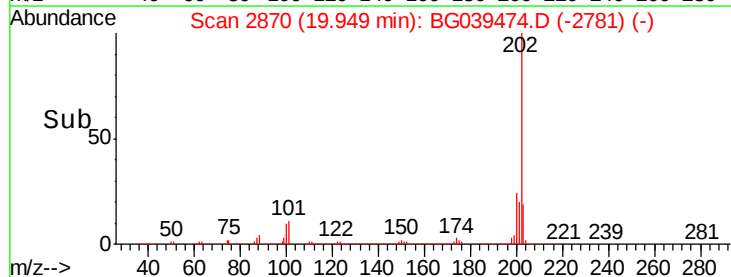
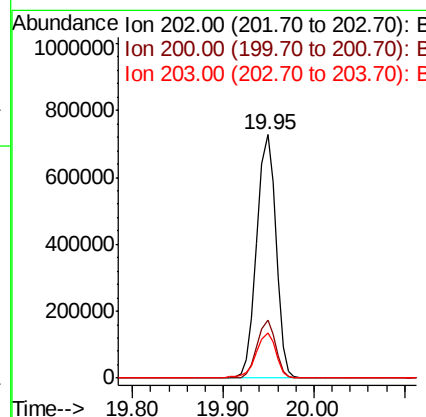
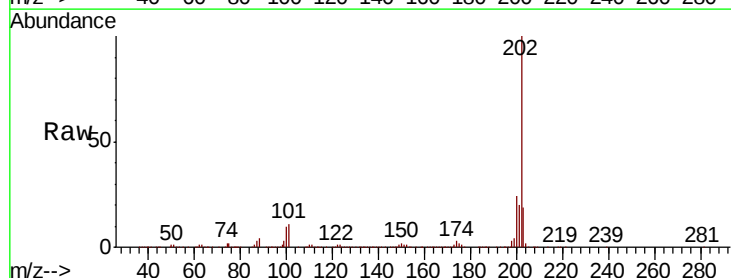
RT: 19.95 min Scan# 2870

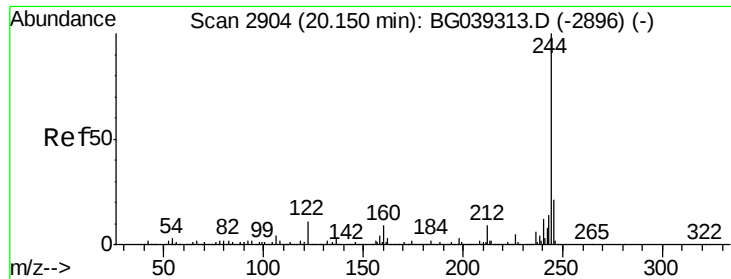
Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Tgt Ion:	202	Resp:	1071802
Ion Ratio	Lower	Upper	
202	100		
200	23.8	17.8	26.8
203	18.7	15.3	22.9





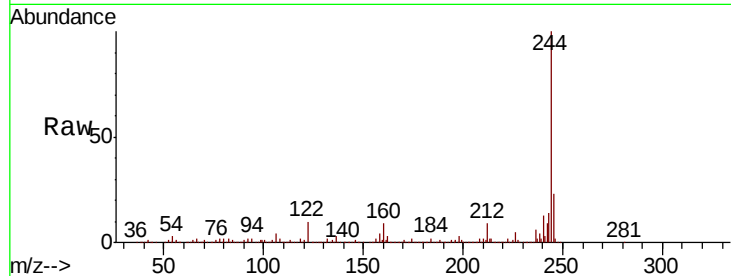
#79
 Terphenyl-d14
 Concen: 91.644 ng
 RT: 20.14 min Scan# 2902
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MS

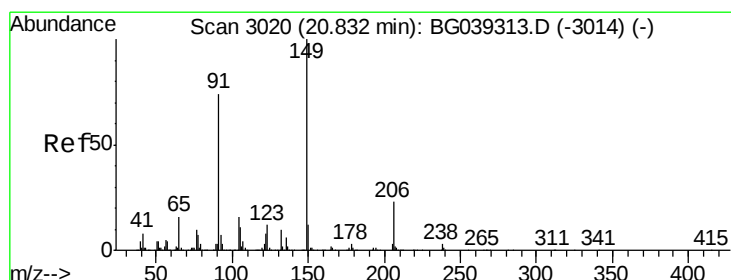
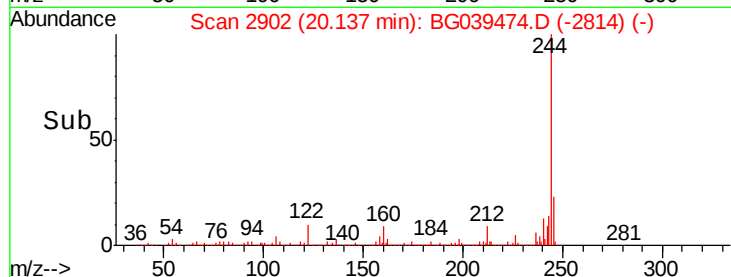
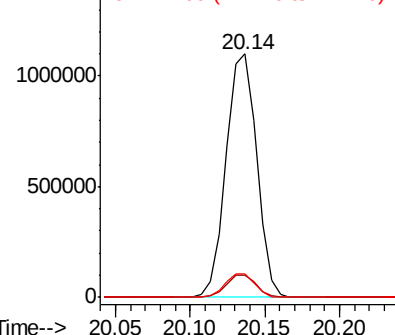
Tot Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.3	10.9
122	9.8	8.4	12.6

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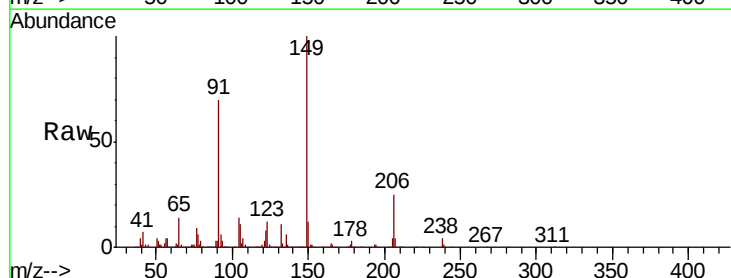


Abundance Ion 244.00 (243.70 to 244.70): E
 1500000 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

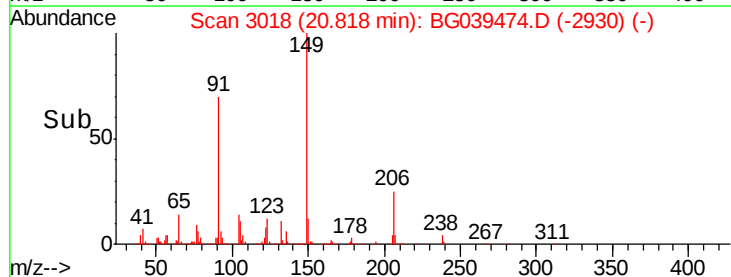
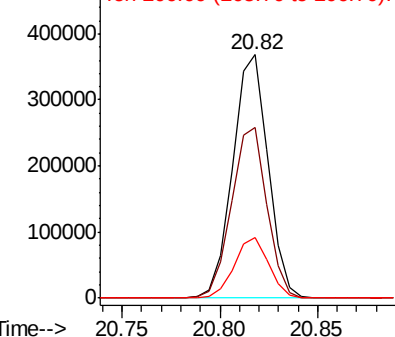


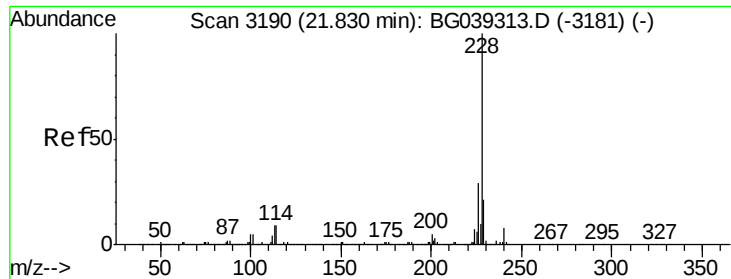
#80
 Butylbenzylphthalate
 Concen: 48.540 ng
 RT: 20.82 min Scan# 3018
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
149	100		
91	70.0	59.5	89.3
206	25.0	18.6	27.8



Abundance Ion 149.00 (148.70 to 149.70): E
 500000 Ion 91.00 (90.70 to 91.70): BG
 Ion 206.00 (205.70 to 206.70): E





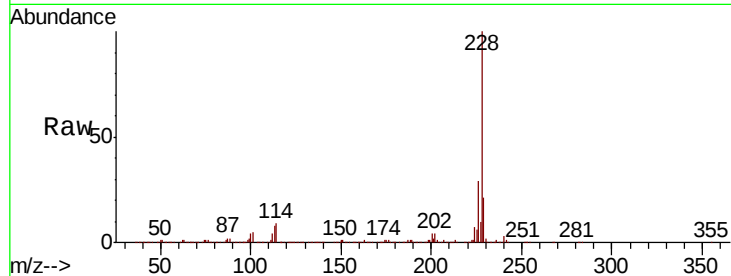
#81
Benzo(a)anthracene
Concen: 49.602 ng
RT: 21.81 min Scan# 3187
Delta R.T. -0.02 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.0	34.6
229	20.9	16.9	25.3

Manual Integrations
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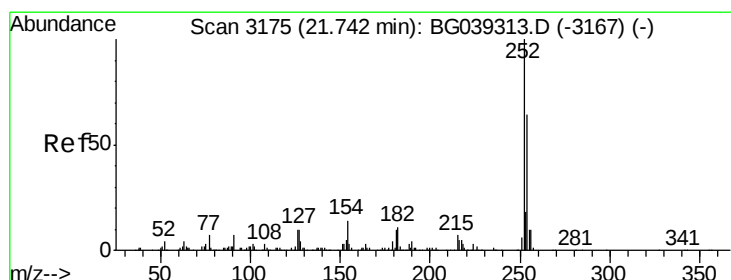
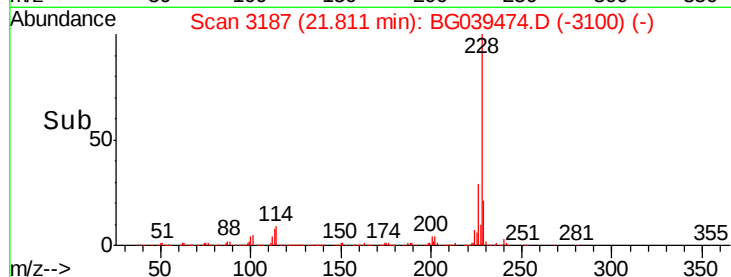
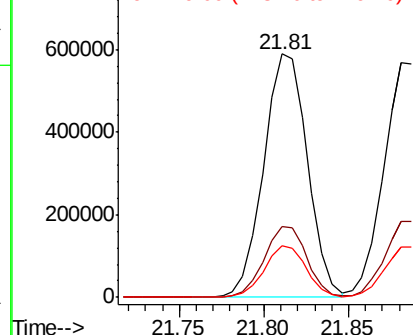


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
3,3'-Dichlorobenzidine
Concen: 21.391 ng
RT: 21.72 min Scan# 3172
Delta R.T. -0.02 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

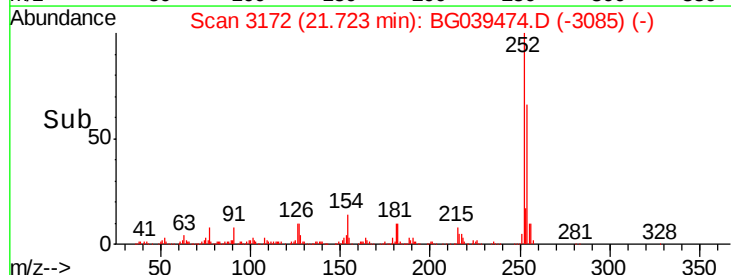
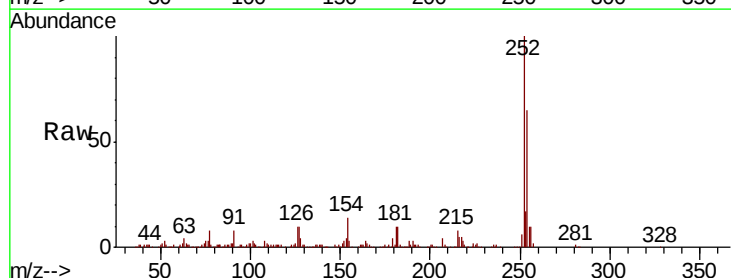
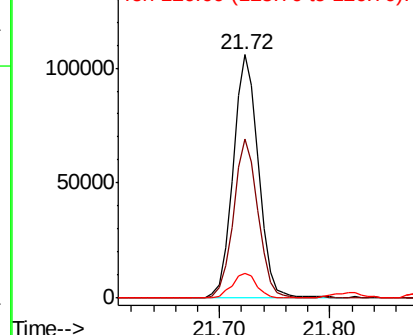
Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.5	51.3	76.9
126	10.1	8.0	12.0

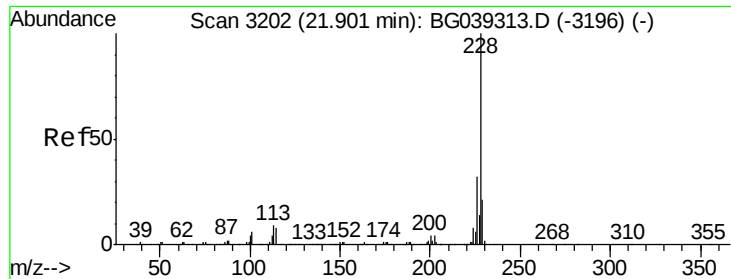
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





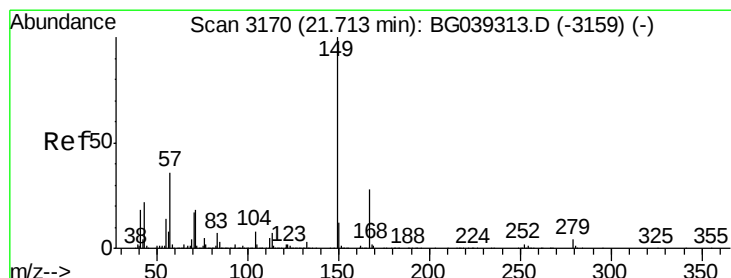
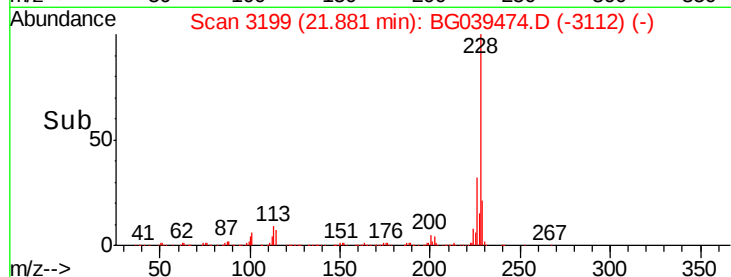
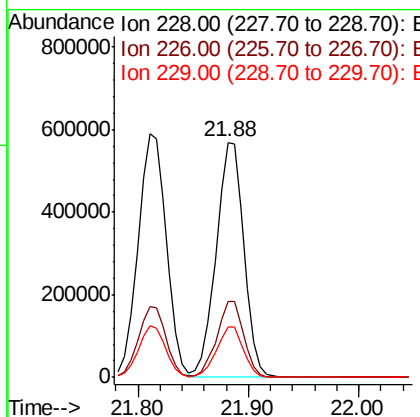
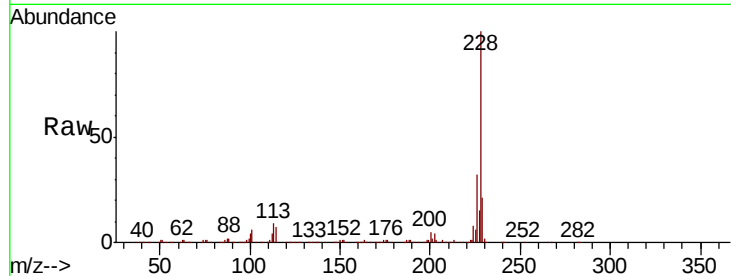
#83
 Chrysene
 Concen: 48.683 ng
 RT: 21.88 min Scan# 3199
 Delta R.T. -0.02 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MS

Tot Ion:	228	Resp:	990774
Ion Ratio		Lower	Upper
228	100		
226	32.4	25.8	38.6
229	21.4	16.6	25.0

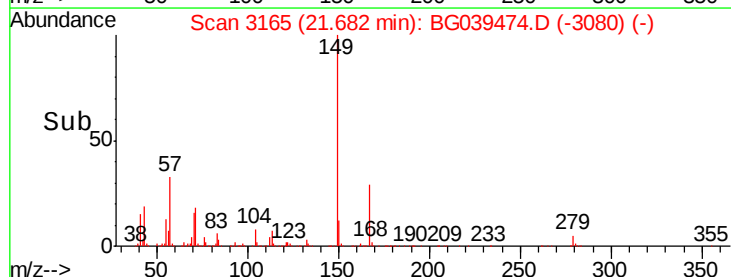
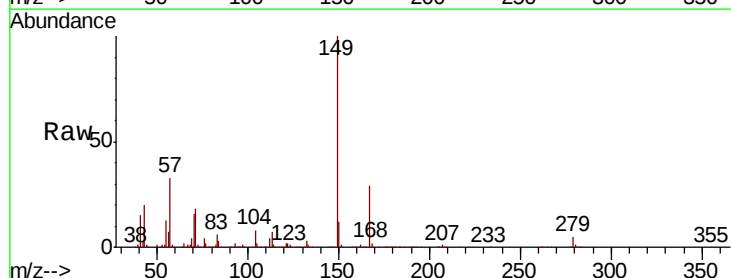
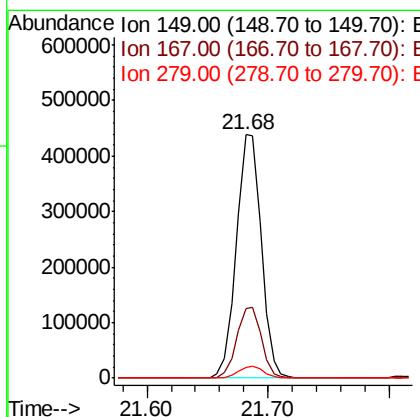
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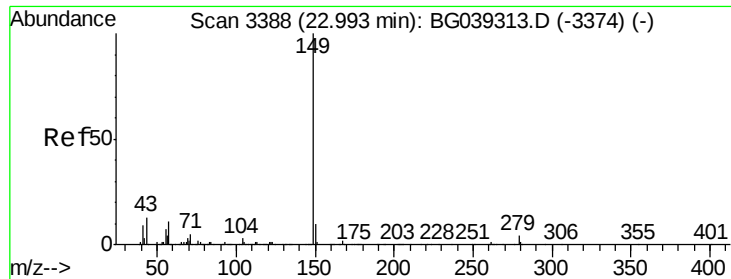
Sohil
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 46.511 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. -0.03 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Tgt Ion:	149	Resp:	630448
Ion Ratio		Lower	Upper
149	100		
167	28.8	22.6	34.0
279	4.5	3.5	5.3





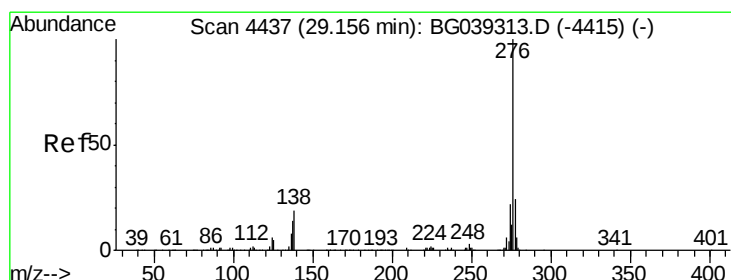
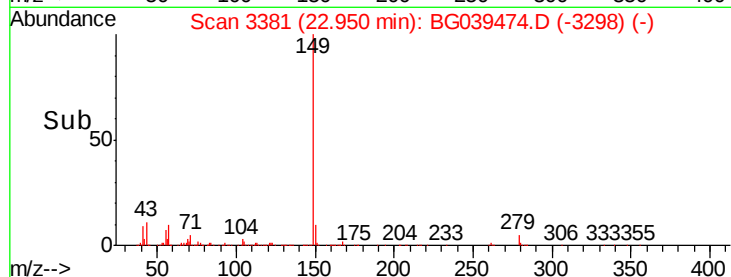
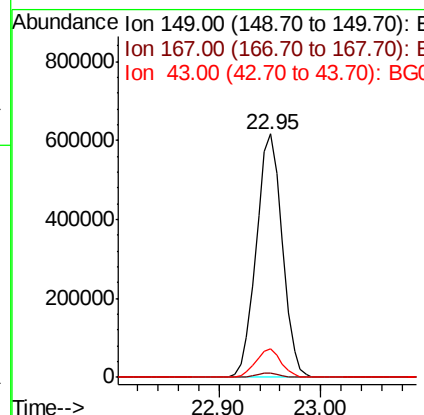
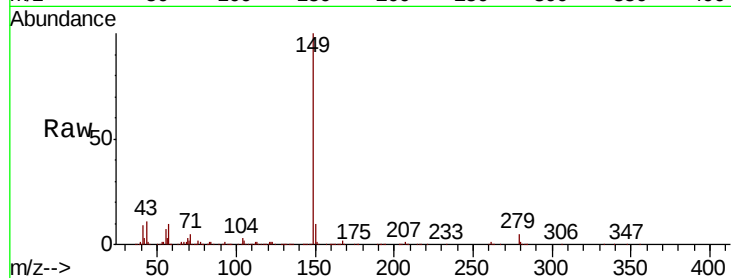
#85
Di-n-octyl phthalate
Concen: 48.847 ng
RT: 22.95 min Scan# 3381
Delta R.T. -0.04 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	11.2	10.2	15.4

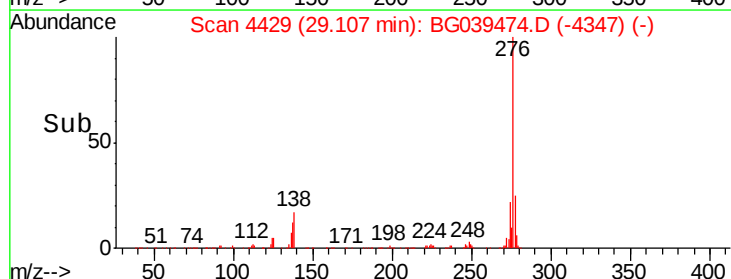
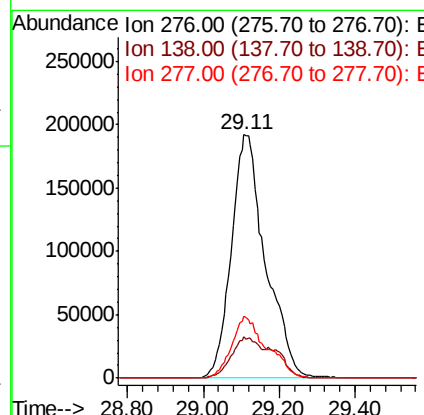
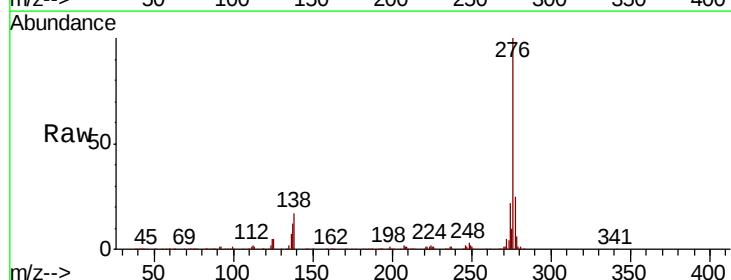
Manual Integrations
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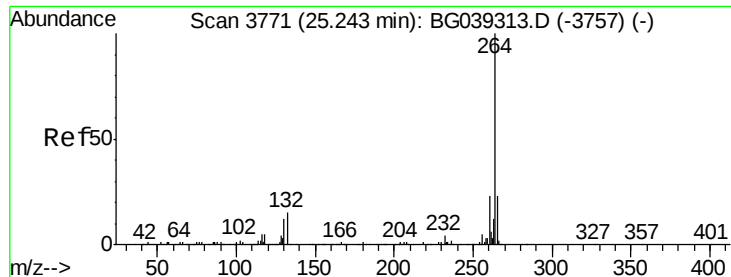
Sohil
2/13/2019 9:56:56 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 55.386 ng
RT: 29.11 min Scan# 4429
Delta R.T. -0.05 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.0	12.6	19.0
277	25.9	20.8	31.2





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.22 min Scan# 3767

Delta R.T. -0.03 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

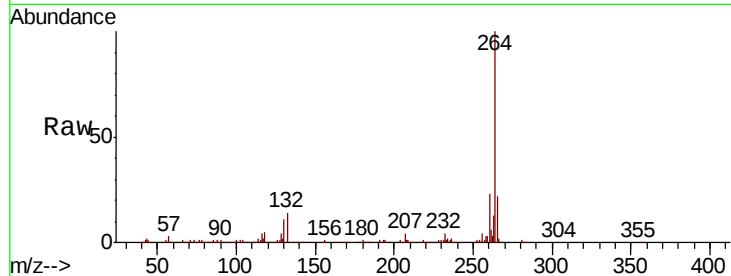
ClientSampleId :

IDW-SOIL-01MS

Tot Ion:	264	Resp:	376720
Ion Ratio	Lower	Upper	
264	100		
260	23.0	18.2	27.4
265	21.8	18.5	27.7

Manual Integrations
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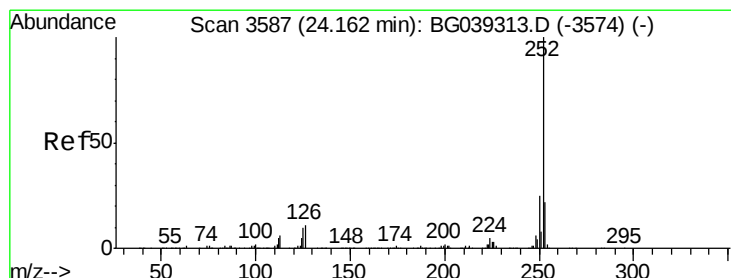
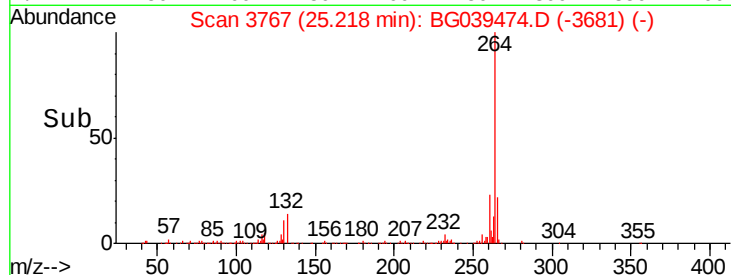
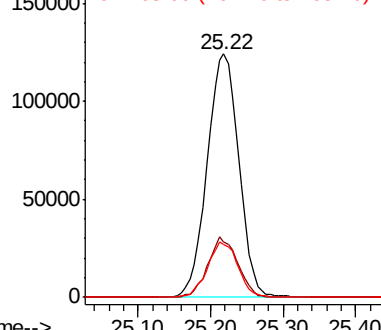


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 51.341 ng

RT: 24.13 min Scan# 3582

Delta R.T. -0.03 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

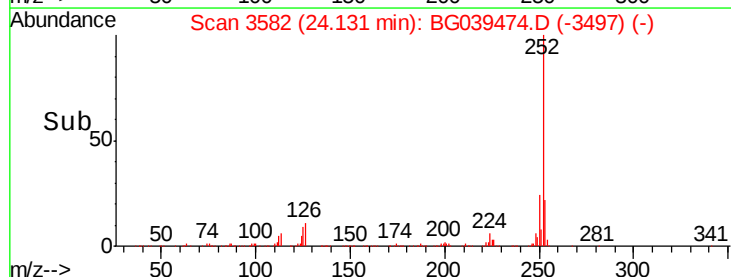
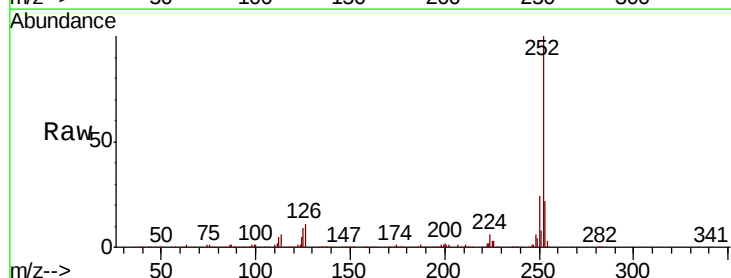
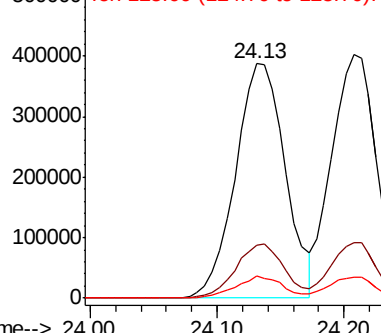
Tgt Ion:	252	Resp:	1054790
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.8	26.8
125	9.4	7.8	11.6

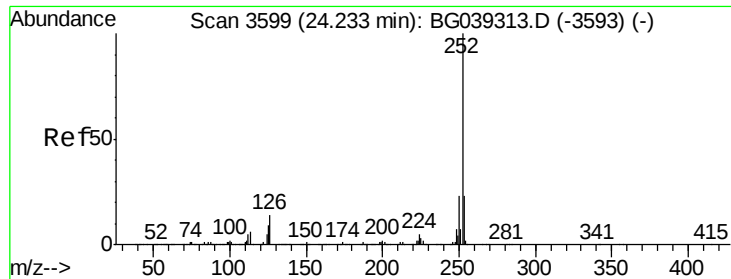
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





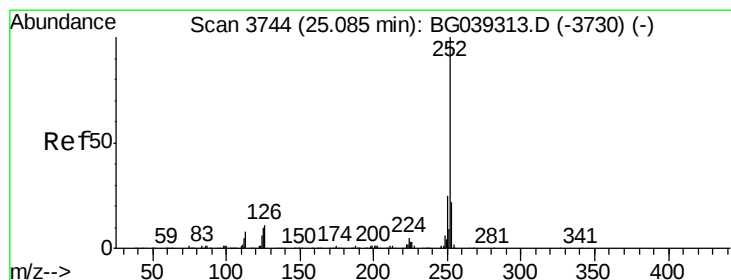
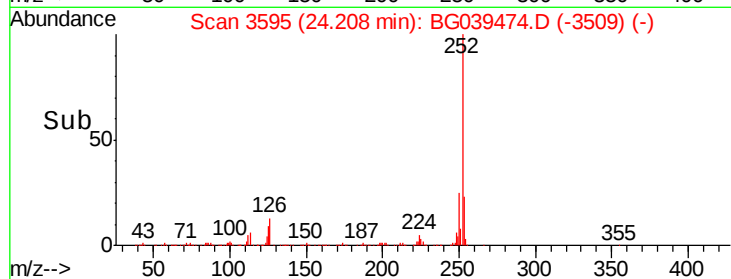
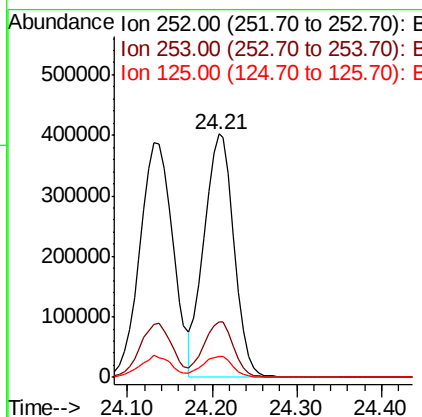
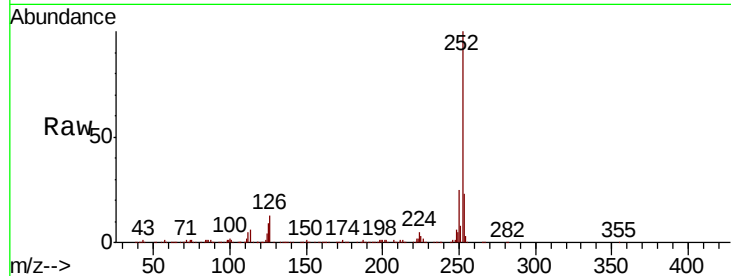
#89
Benzo(k)fluoranthene
Concen: 47.961 ng
RT: 24.21 min Scan# 3595
Delta R.T. -0.03 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	8.8	7.4	11.2

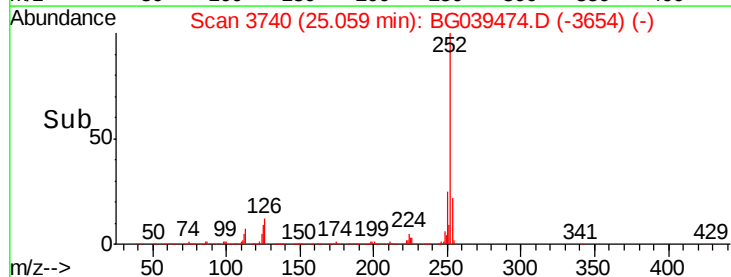
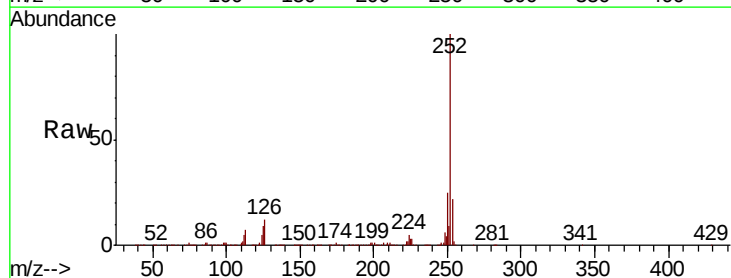
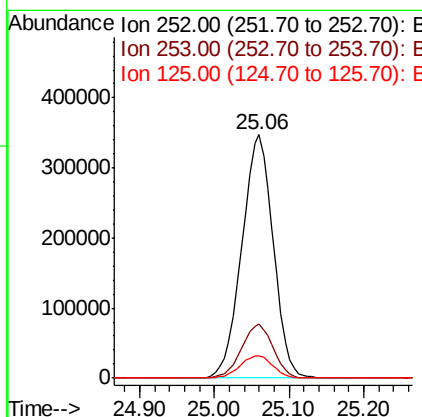
Manual Integrations
APPROVED

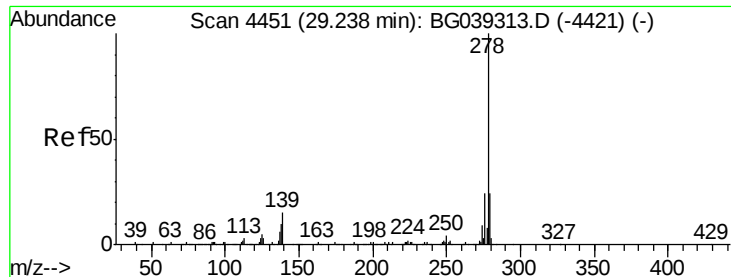
Sohil
2/13/2019 9:56:56 AM



#90
Benzo(a)pyrene
Concen: 51.198 ng
RT: 25.06 min Scan# 3740
Delta R.T. -0.03 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	9.3	8.3	12.5





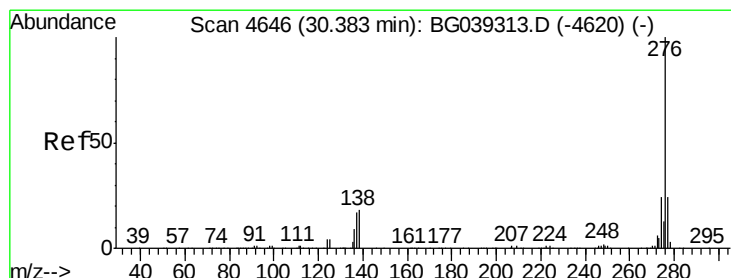
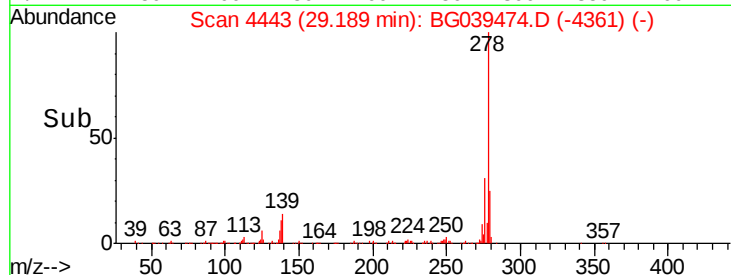
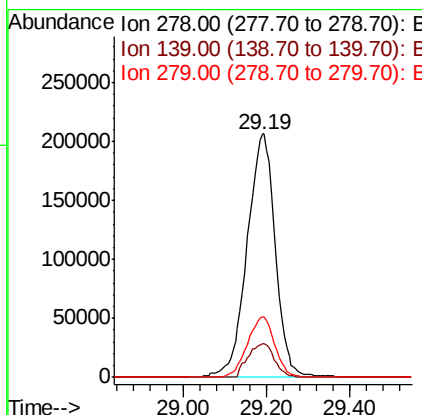
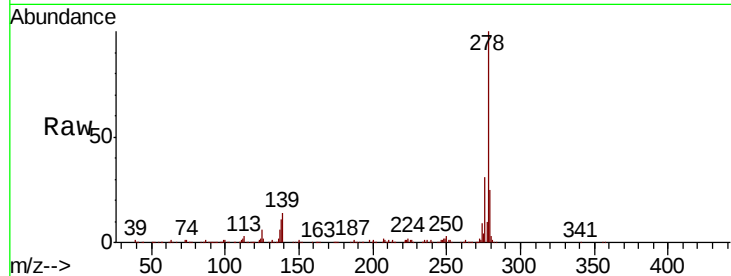
#91
Dibenzo(a,h)anthracene
Concen: 52.507 ng
RT: 29.19 min Scan# 4443
Delta R.T. -0.05 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.6	11.7	17.5
279	25.0	19.1	28.7

Manual Integrations
APPROVED

Sohil
2/13/2019 9:56:56 AM



#92
Benzo(g,h,i)perylene
Concen: 53.742 ng
RT: 30.34 min Scan# 4639
Delta R.T. -0.04 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.6	29.4
138	18.1	14.7	22.1

