

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101218\
 Data File : BG037299.D
 Acq On : 12 Oct 2018 20:17
 Operator : JU/SJ
 Sample : J5392-02MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-DRUMMSD

Manual Integrations
 APPROVED

Sohil
 10/15/2018 12:59:12 PM

Quant Time: Oct 13 00:40:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 11 13:59:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	63497	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	280433	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	189756	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	460472	20.00	ng	0.00
76) Chrysene-d12	21.79	240	414011	20.00	ng	0.00
87) Perylene-d12	25.13	264	441876	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.66	112	443223	122.85	ng	0.00
7) Phenol-d6	7.26	99	593330	108.34	ng	0.00
23) Nitrobenzene-d5	9.30	82	396552	92.97	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	258118	138.70	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	956142	75.67	ng	0.00
79) Terphenyl-d14	20.10	244	1471628	74.64	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.55	88	53910	26.604	ng	# 88
3) Pyridine	3.95	79	156736	32.578	ng	94
4) n-Nitrosodimethylamine	3.86	42	76659	41.030	ng	# 92
6) Aniline	7.44	93	163713	22.837	ng	98
8) 2-Chlorophenol	7.68	128	188927	44.741	ng	99
9) Benzaldehyde	7.26	77	88687	23.522	ng	100
10) Phenol	7.29	94	221704	38.439	ng	98
11) bis(2-Chloroethyl)ether	7.54	93	182288	38.686	ng	96
12) 1,3-Dichlorobenzene	8.01	146	184716	37.210	ng	94
13) 1,4-Dichlorobenzene	8.15	146	193862	38.573	ng	98
14) 1,2-Dichlorobenzene	8.48	146	183017	37.580	ng	97
15) Benzyl Alcohol	8.36	79	185656	43.341	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.64	45	339919	36.491	ng	97
17) 2-Methylphenol	8.55	107	172203	44.580	ng	99
18) Hexachloroethane	9.20	117	68058	39.675	ng	95
19) n-Nitroso-di-n-propylamine	8.93	70	159431	38.453	ng	97
20) 3+4-Methylphenols	8.88	107	240055	44.445	ng	99
22) Acetophenone	8.95	105	302168	42.745	ng	# 97
24) Nitrobenzene	9.34	77	216087	47.298	ng	97
25) Isophorone	9.86	82	468510	48.114	ng	97
26) 2-Nitrophenol	10.05	139	87718	50.765	ng	98
27) 2,4-Dimethylphenol	10.09	122	212821	52.289	ng	95
28) bis(2-Chloroethoxy)methane	10.34	93	269707	44.271	ng	99
29) 2,4-Dichlorophenol	10.58	162	211285	51.140	ng	99
30) 1,2,4-Trichlorobenzene	10.80	180	200079	39.797	ng	94
31) Naphthalene	11.00	128	622076	45.644	ng	99
32) Benzoic acid	10.21	122	105746	47.053	ng	97
33) 4-Chloroaniline	11.10	127	24239	3.791	ng	95
34) Hexachlorobutadiene	11.26	225	120402	38.565	ng	99
35) Caprolactam	11.88	113	62436m	37.069	ng	
36) 4-Chloro-3-methylphenol	12.20	107	238479	48.875	ng	99
37) 2-Methylnaphthalene	12.59	142	465677	46.820	ng	99
38) 1-Methylnaphthalene	12.81	142	447346	46.051	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.95	216	240662	39.163	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.92	237	226286	89.324	nq	98
43) 2,4,6-Trichlorophenol	13.18	196	178558	50.089	nq	98
44) 2,4,5-Trichlorophenol	13.25	196	198346	51.712	nq	99
46) 1,1'-Biphenyl	13.59	154	614164	39.345	nq	99
47) 2-Chloronaphthalene	13.63	162	481550	40.841	nq	99
48) 2-Nitroaniline	13.84	65	155641	48.633	nq	97
49) Acenaphthylene	14.48	152	797945	44.240	nq	98
50) Dimethylphthalate	14.20	163	662941	44.456	nq	100
51) 2,6-Dinitrotoluene	14.33	165	137322	47.467	nq	98
52) Acenaphthene	14.82	154	478778	42.974	nq	99
53) 3-Nitroaniline	14.66	138	59694	19.132	nq	95
54) 2,4-Dinitrophenol	14.86	184	60783	81.457	nq	99
55) Dibenzofuran	15.15	168	751586	41.575	nq	96
56) 4-Nitrophenol	14.95	139	221345	91.011	nq	98
57) 2,4-Dinitrotoluene	15.11	165	192817	52.084	nq	99
58) Fluorene	15.80	166	623538	45.606	nq	99
59) 2,3,4,6-Tetrachlorophenol	15.37	232	173147	50.988	nq	98
60) Diethylphthalate	15.56	149	685829	44.378	nq	99
61) 4-Chlorophenyl-phenylether	15.79	204	324764	40.637	nq	99
62) 4-Nitroaniline	15.83	138	152238	46.487	nq	98
63) Azobenzene	16.08	77	625894	42.241	nq	100
65) 4,6-Dinitro-2-methylphenol	15.87	198	56783	40.463	nq	98
66) n-Nitrosodiphenylamine	16.00	169	572263	42.319	nq	99
67) 4-Bromophenyl-phenylether	16.68	248	210867	42.431	nq	99
68) Hexachlorobenzene	16.79	284	212690	41.278	nq	98
69) Atrazine	16.95	200	227441	45.253	nq	99
70) Pentachlorophenol	17.14	266	238265	71.672	nq	96
71) Phenanthrene	17.54	178	1030328	43.956	nq	98
72) Anthracene	17.64	178	1040160	45.337	nq	96
73) Carbazole	17.91	167	964218	40.789	nq	99
74) Di-n-butylphthalate	18.45	149	1143529	45.134	nq	99
75) Fluoranthene	19.55	202	1190732	43.464	nq	98
77) Benzidine	19.73	184	195380	12.336	nq	99
78) Pyrene	19.91	202	1187899	44.024	nq	98
80) Butylbenzylphthalate	20.79	149	506342	48.231	nq	97
81) Benzo(a)anthracene	21.77	228	1130208	45.581	nq	97
82) 3,3'-Dichlorobenzidine	21.68	252	187901	19.645	nq	99
83) Chrysene	21.84	228	1048333	44.322	nq	99
84) Bis(2-ethylhexyl)phthalate	21.65	149	721646	47.871	nq	97
85) Di-n-octyl phthalate	22.91	149	1220466	49.880	nq	99
86) Indeno(1,2,3-cd)pyrene	28.98	276	1285802	49.045	nq	98
88) Benzo(b)fluoranthene	24.07	252	1165539	48.516	nq	99
89) Benzo(k)fluoranthene	24.14	252	1064451	44.903	nq	97
90) Benzo(a)pyrene	24.98	252	1099374	47.723	nq	98
91) Dibenzo(a,h)anthracene	29.07	278	1051183	47.690	nq	97
92) Benzo(g,h,i)perylene	30.20	276	1061180	48.204	nq	99

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

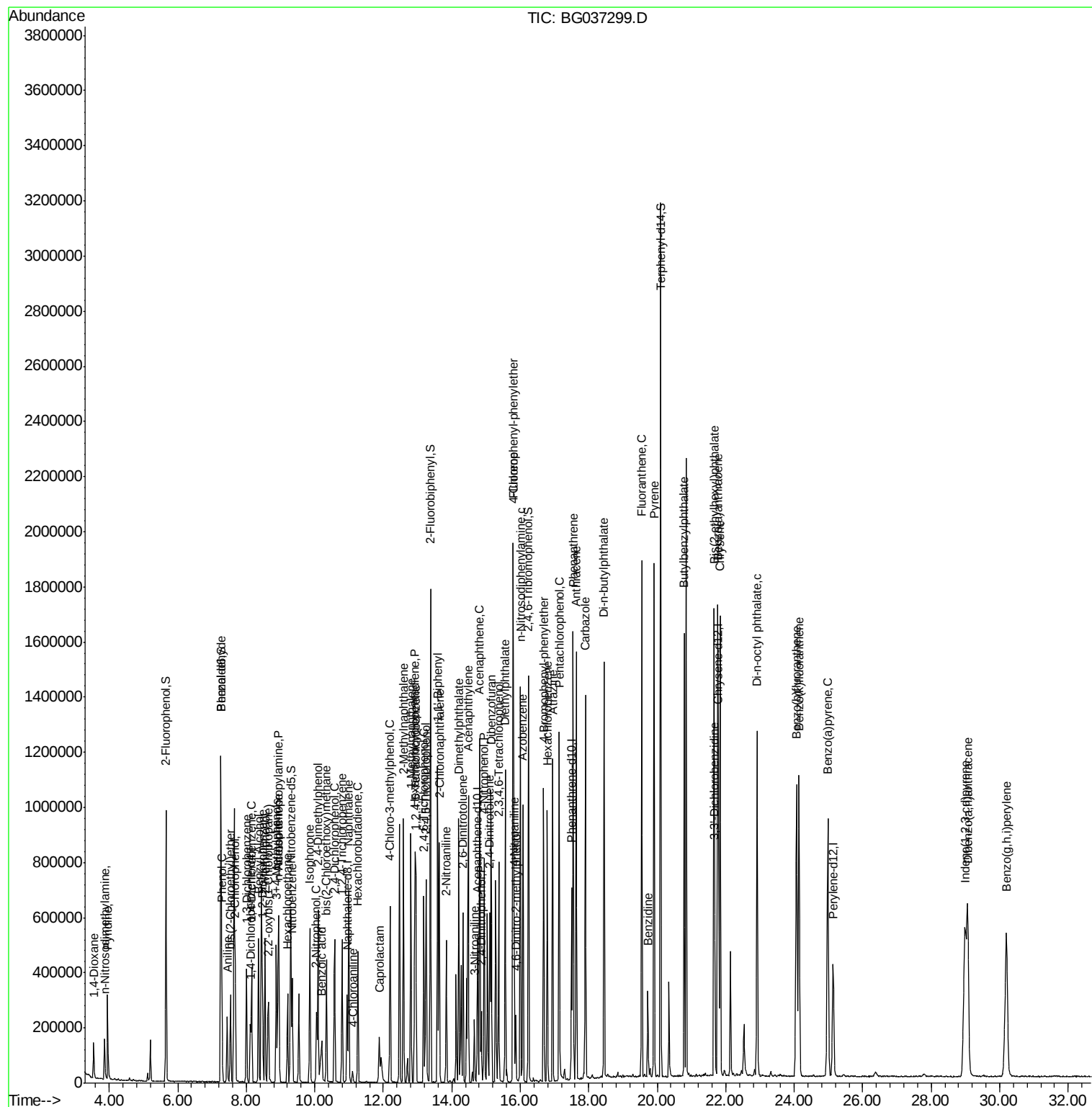
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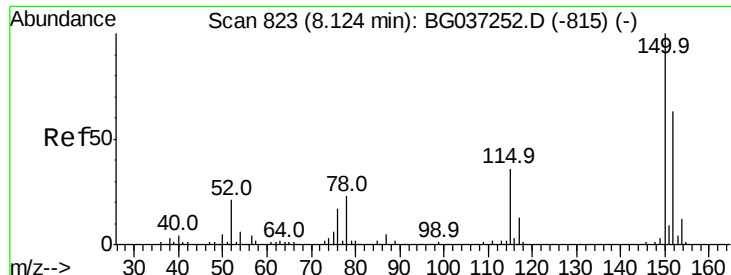
Instrument :
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#1

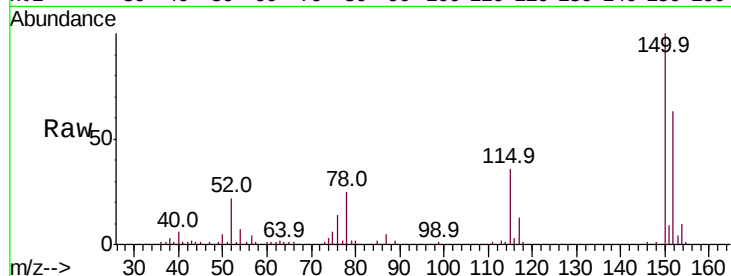
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

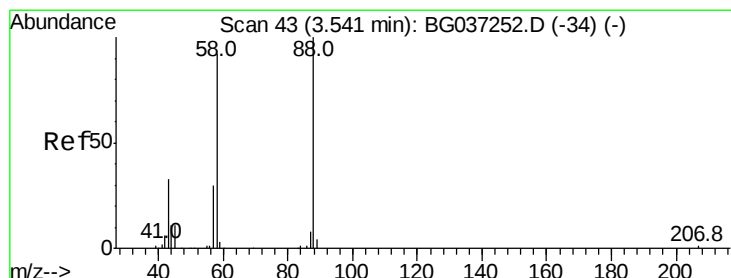
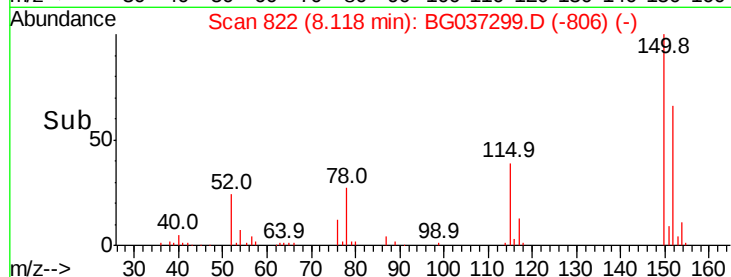
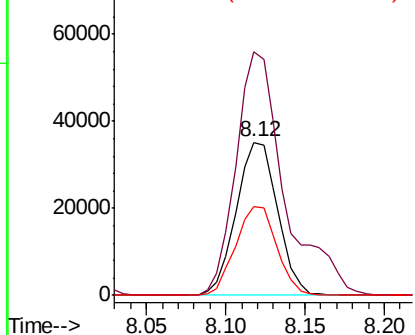
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	126.0	189.0
115	58.0	45.5	68.3

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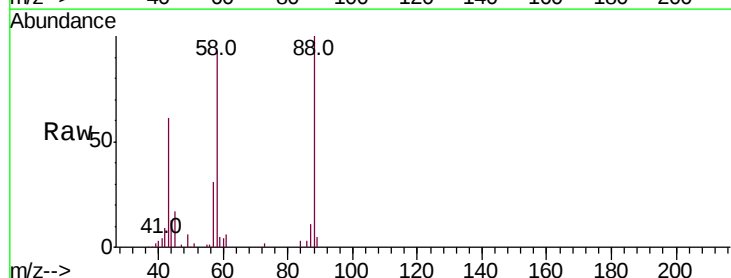
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



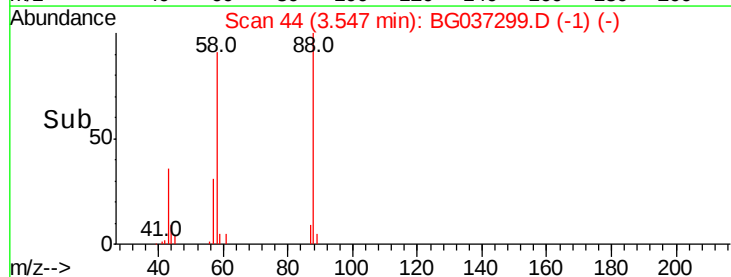
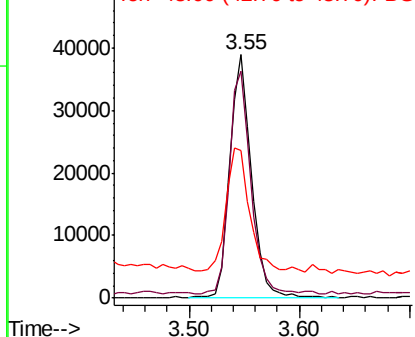
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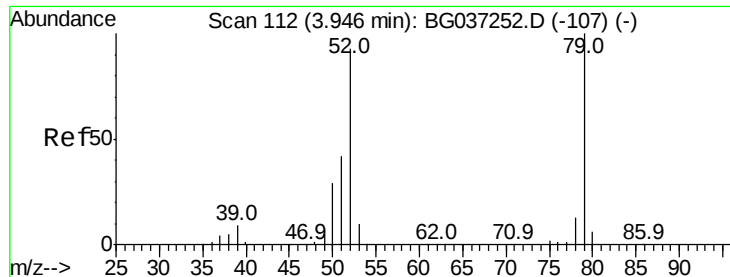
1,4-Dioxane
Concen: 26.604 ng
RT: 3.55 min Scan# 44
Delta R.T. 0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
88	100		
58	90.2	74.4	111.6
43	54.6	25.8	38.8#



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: 32.578 ng

RT: 3.95 min Scan# 113

Delta R.T. 0.01 min

Lab File: BG037299.D

Acq: 12 Oct 2018 20:17

Instrument :

BNA_G

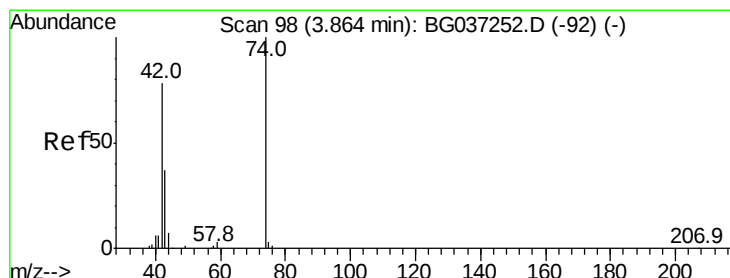
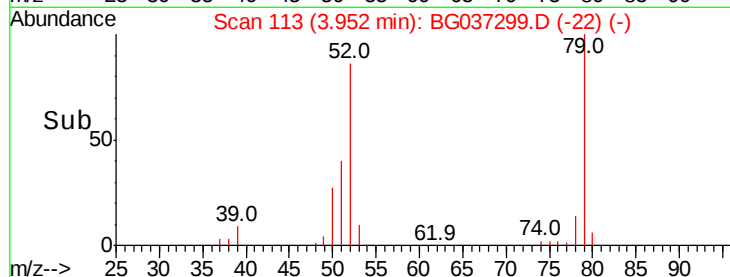
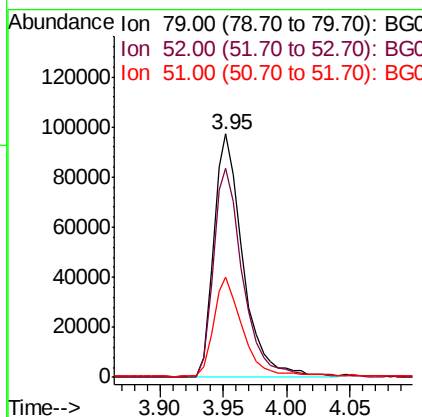
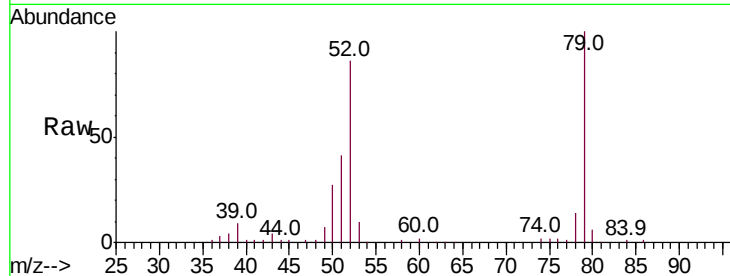
ClientSampleId :

SOIL-DRUMMSD

Tot Ion:	79	Resp:	156736
Ion Ratio	Lower	Upper	
79	100		
52	86.0	74.2	111.2
51	41.4	34.6	51.8

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#4

n-Nitrosodimethylamine

Concen: 41.030 ng

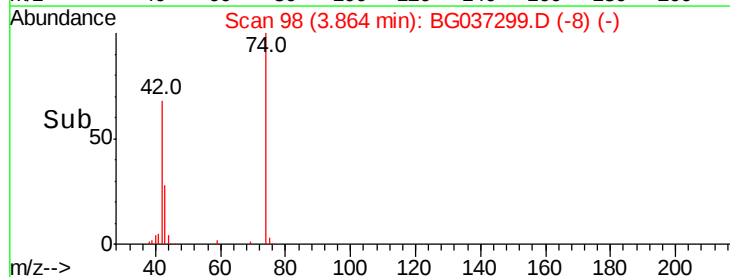
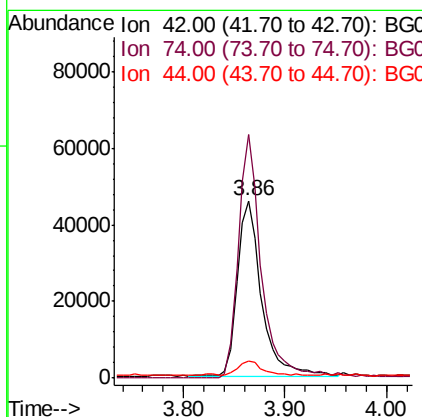
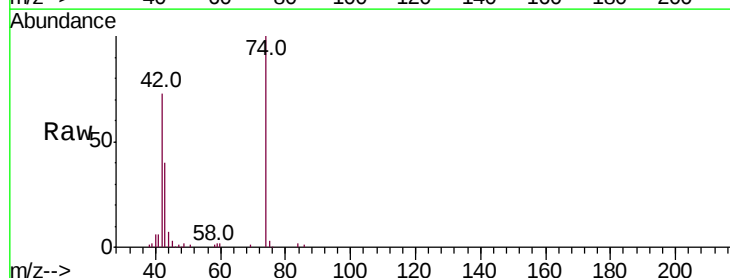
RT: 3.86 min Scan# 98

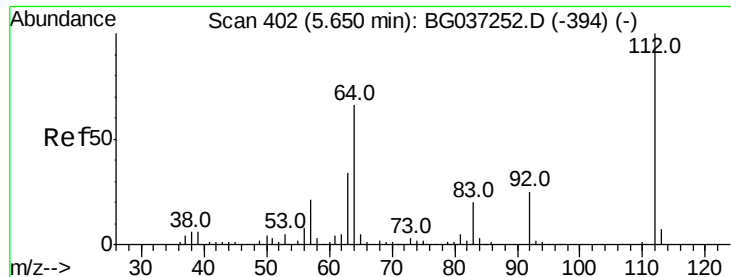
Delta R.T. -0.00 min

Lab File: BG037299.D

Acq: 12 Oct 2018 20:17

Tgt Ion:	42	Resp:	76659
Ion Ratio	Lower	Upper	
42	100		
74	137.0	102.0	153.0
44	9.4	9.6	14.4#





#5

2-Fluorophenol

Concen: 122.845 ng

RT: 5.66 min Scan# 403

Delta R.T. 0.01 min

Lab File: BG037299.D

Acq: 12 Oct 2018 20:17

Instrument :

BNA_G

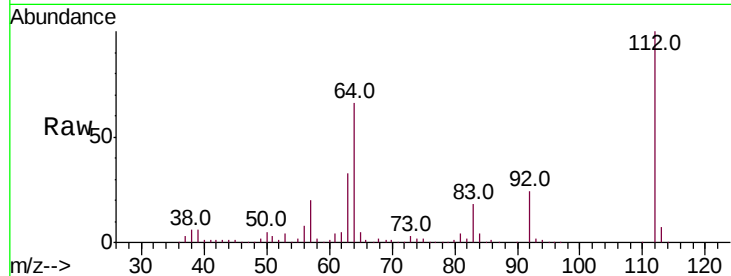
ClientSampleId :

SOIL-DRUMMSD

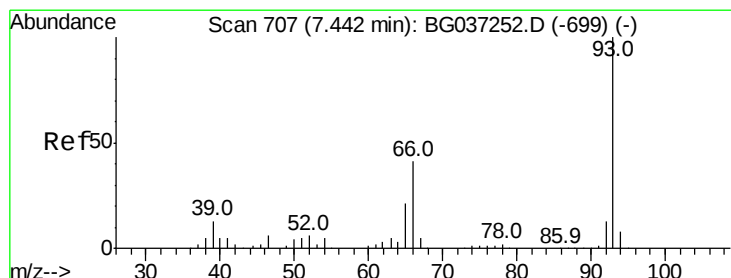
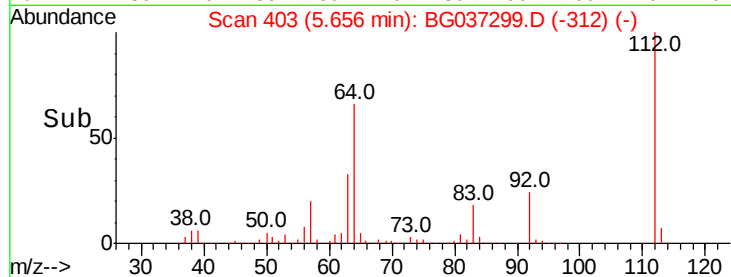
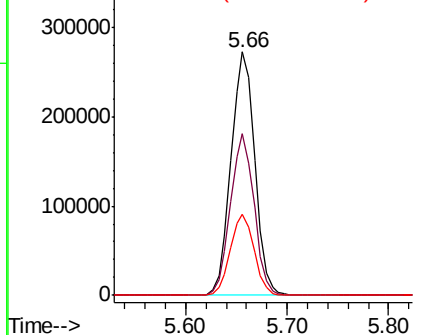
Tot Ion:	112	Resp:	443223
Ion Ratio	Lower	Upper	
112	100		
64	66.2	53.1	79.7
63	33.1	27.3	40.9

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



#6

Aniline

Concen: 22.837 ng

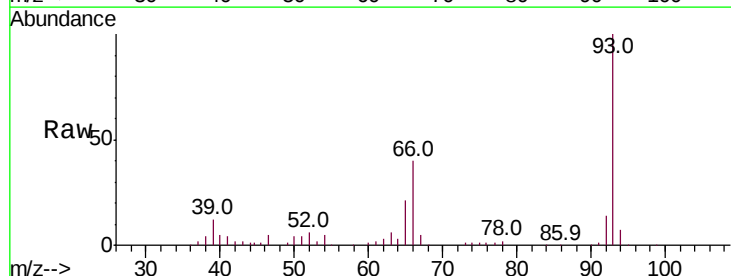
RT: 7.44 min Scan# 707

Delta R.T. -0.00 min

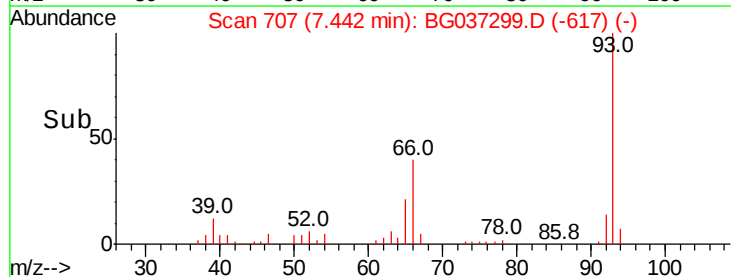
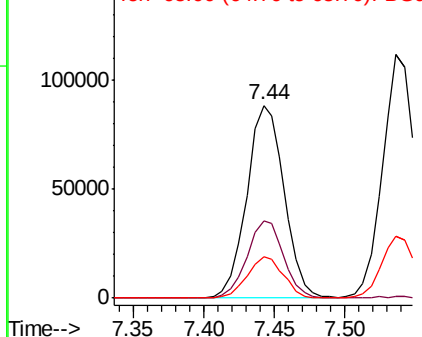
Lab File: BG037299.D

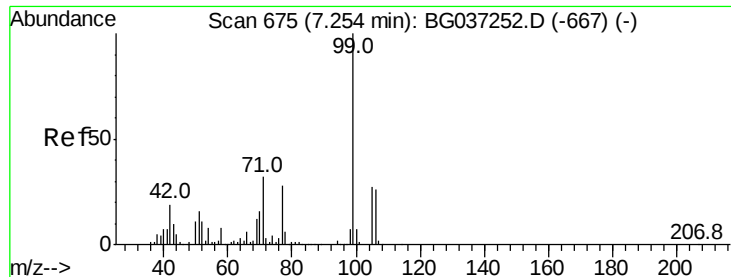
Acq: 12 Oct 2018 20:17

Tgt Ion:	93	Resp:	163713
Ion Ratio	Lower	Upper	
93	100		
66	40.1	32.8	49.2
65	21.4	16.4	24.6



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 108.345 ng

RT: 7.26 min Scan# 676

Delta R.T. 0.01 min

Lab File: BG037299.D

Acq: 12 Oct 2018 20:17

Instrument :

BNA_G

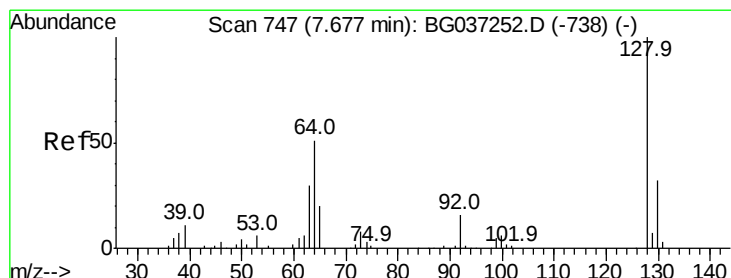
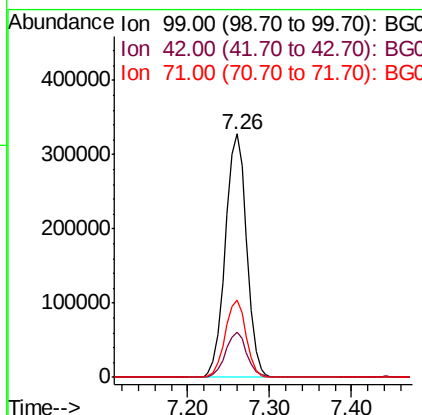
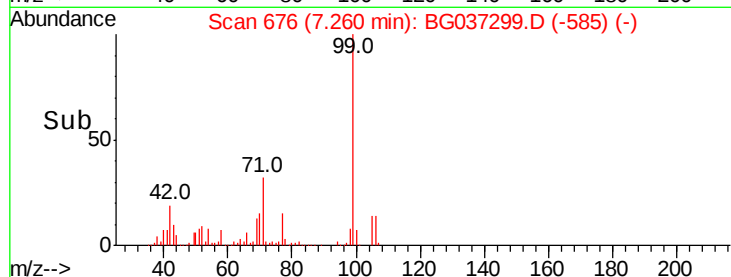
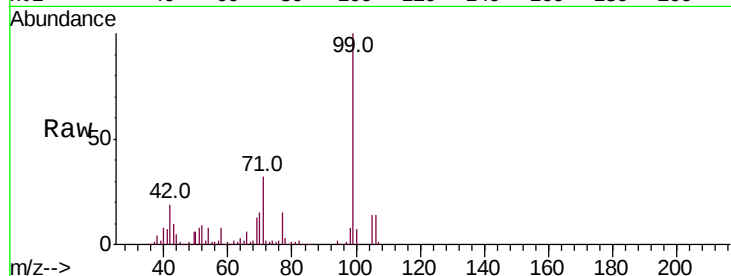
ClientSampleId :

SOIL-DRUMMSD

Tot Ion:	99	Resp:	593330
Ion Ratio	Lower	Upper	
99	100		
42	18.7	15.0	22.4
71	31.9	25.5	38.3

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#8

2-Chlorophenol

Concen: 44.741 ng

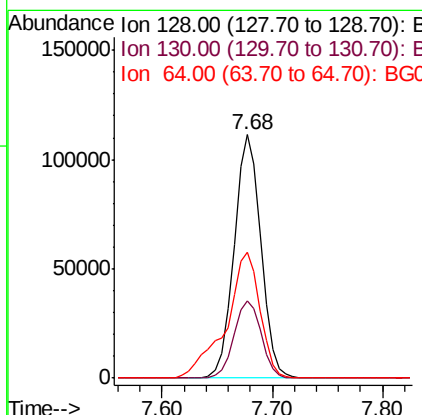
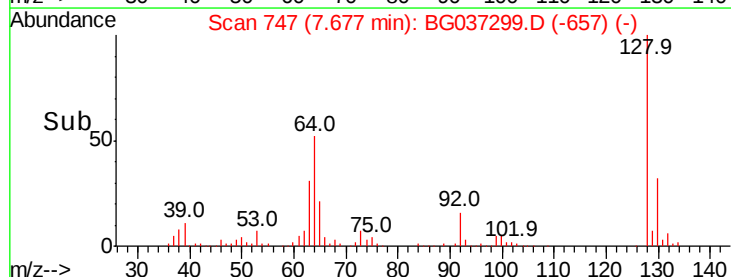
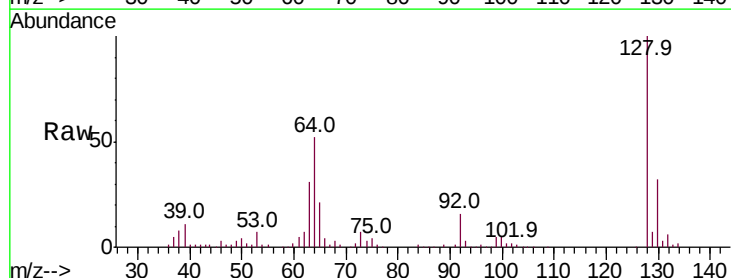
RT: 7.68 min Scan# 747

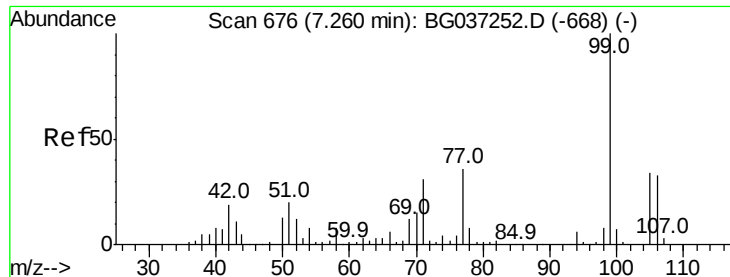
Delta R.T. -0.00 min

Lab File: BG037299.D

Acq: 12 Oct 2018 20:17

Tgt Ion:	128	Resp:	188927
Ion Ratio	Lower	Upper	
128	100		
130	31.9	12.0	52.0
64	51.7	32.9	72.9





#9

Benzaldehyde

Concen: 23.522 ng

RT: 7.26 min Scan# 676

Delta R.T. -0.00 min

Lab File: BG037299.D

Acq: 12 Oct 2018 20:17

Instrument :

BNA_G

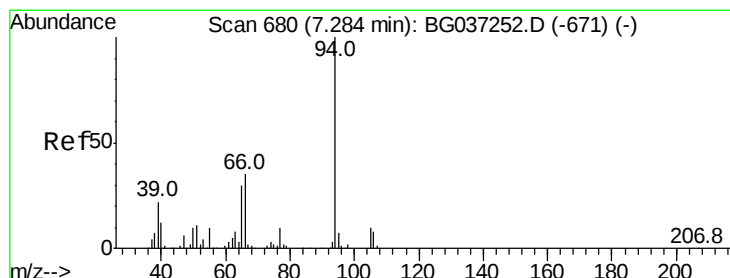
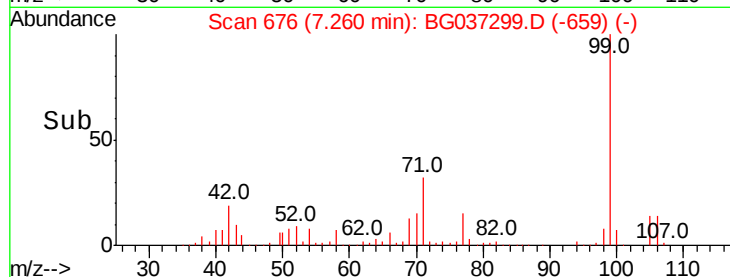
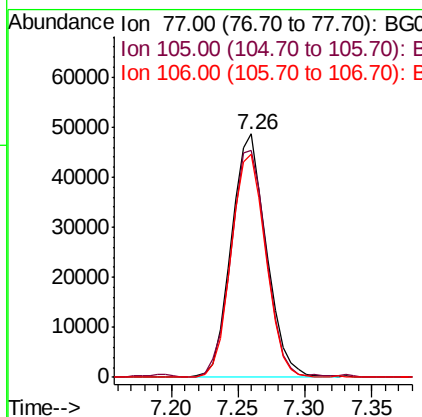
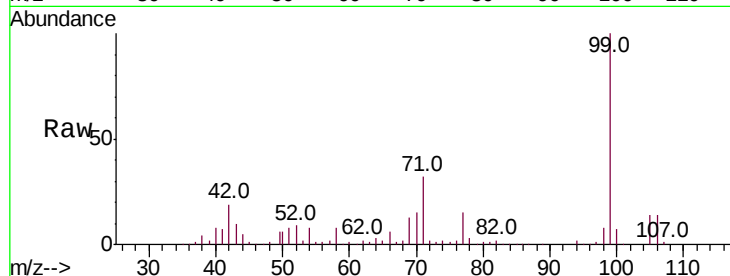
ClientSampleId :

SOIL-DRUMMSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	93.3	72.6	112.6
106	91.5	71.3	111.3

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#10

Phenol

Concen: 38.439 ng

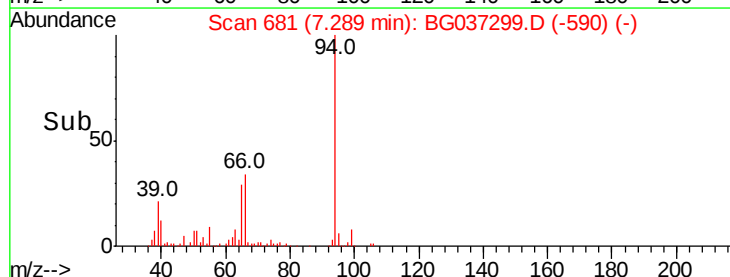
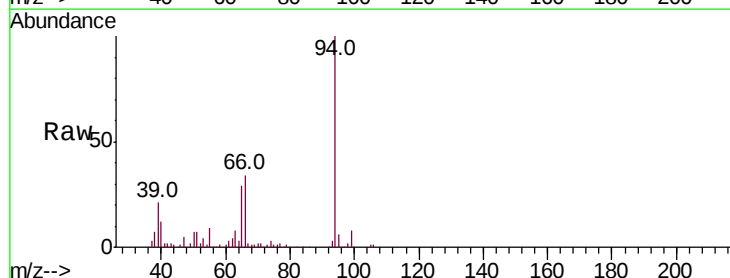
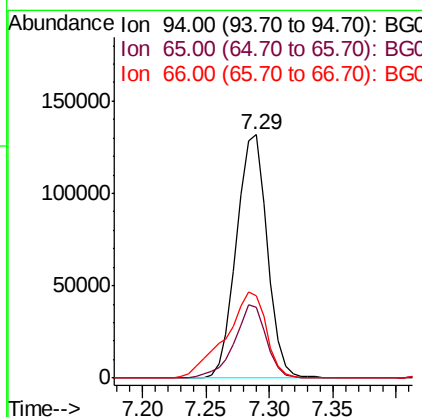
RT: 7.29 min Scan# 681

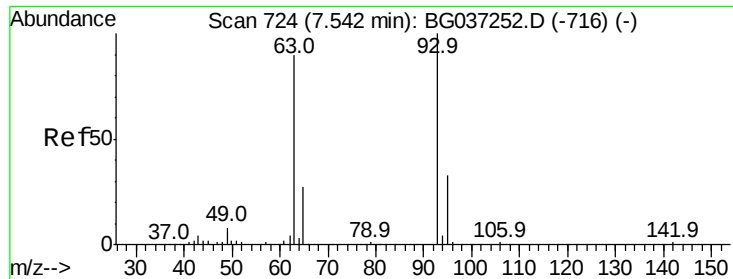
Delta R.T. 0.01 min

Lab File: BG037299.D

Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
94	100		
65	28.9	9.7	49.7
66	33.9	15.9	55.9





#11

bis(2-Chloroethyl)ether

Concen: 38.686 ng

RT: 7.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: BG037299.D

Acq: 12 Oct 2018 20:17

Instrument :

BNA_G

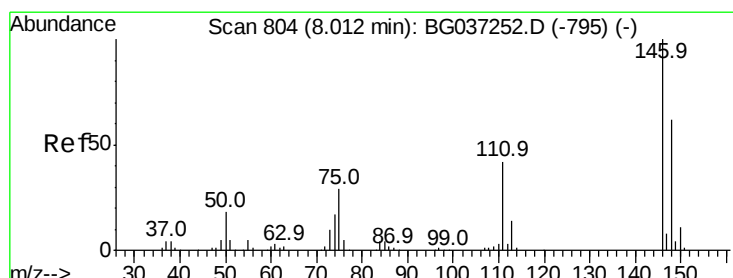
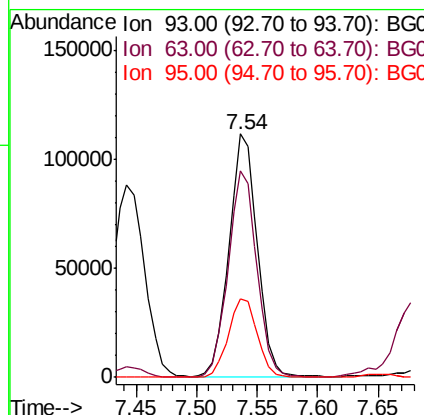
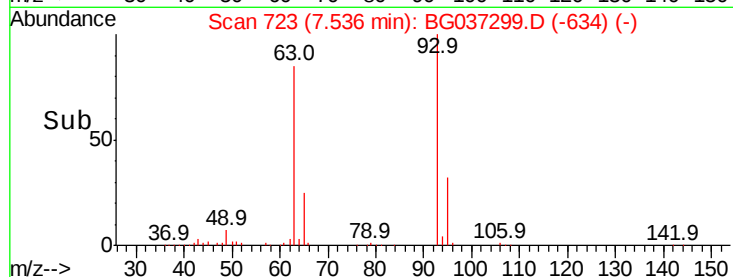
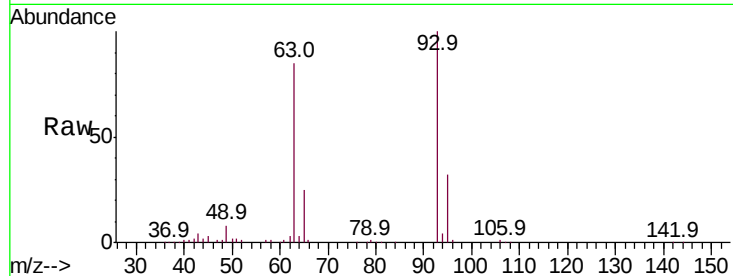
ClientSampleId :

SOIL-DRUMMSD

Tot Ion:	93	Resp:	182288
Ion Ratio	Lower	Upper	
93	100		
63	85.0	69.5	109.5
95	32.1	12.6	52.6

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 37.210 ng

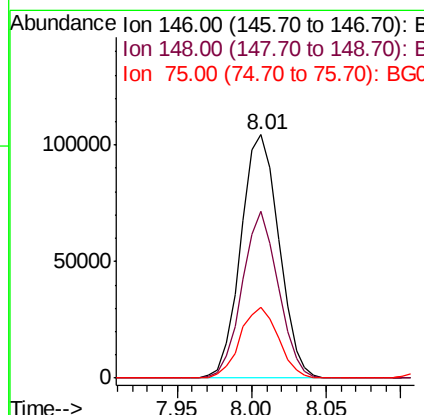
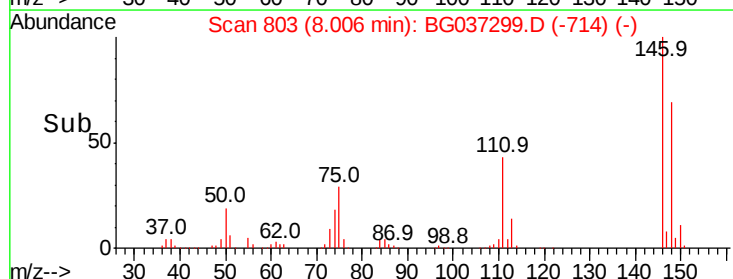
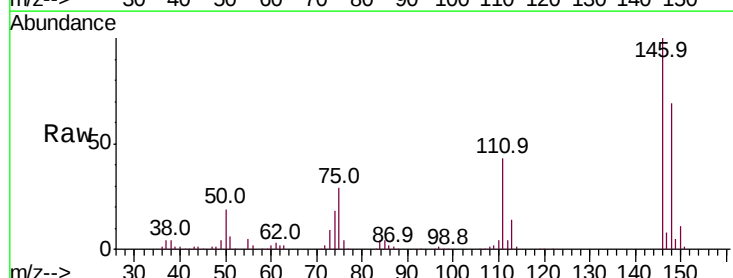
RT: 8.01 min Scan# 803

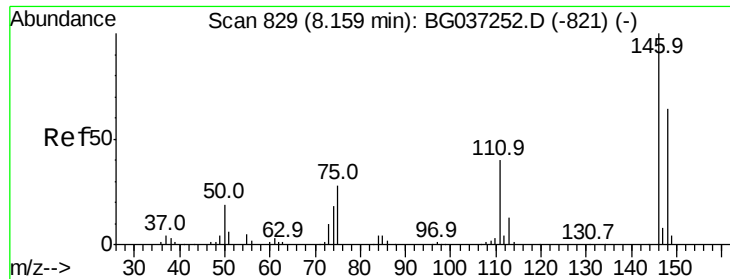
Delta R.T. -0.01 min

Lab File: BG037299.D

Acq: 12 Oct 2018 20:17

Tgt Ion:	146	Resp:	184716
Ion Ratio	Lower	Upper	
146	100		
148	68.5	49.8	74.8
75	28.8	23.2	34.8





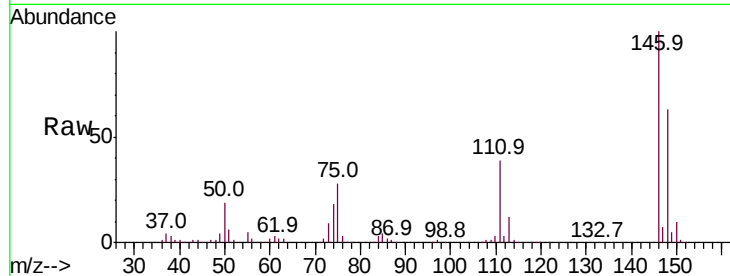
#13
 1,4-Dichlorobenzene
 Concen: 38.573 ng
 RT: 8.15 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BG037299.D
 Acq: 12 Oct 2018 20:17

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-DRUMMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.0	76.6
111	38.7	32.4	48.6

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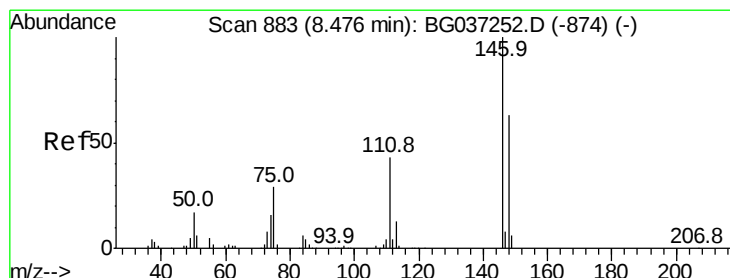
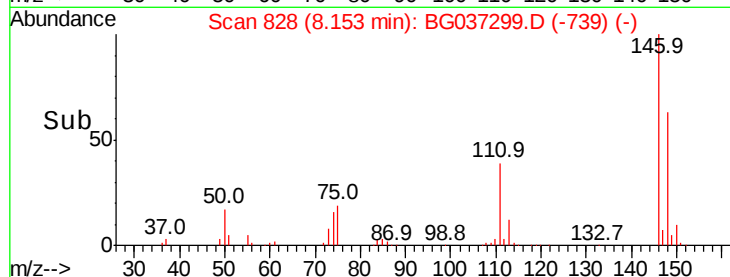
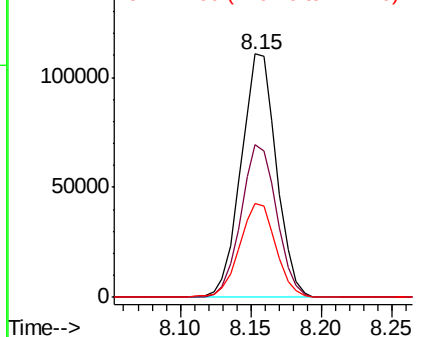


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 37.580 ng
 RT: 8.48 min Scan# 883
 Delta R.T. -0.00 min
 Lab File: BG037299.D
 Acq: 12 Oct 2018 20:17

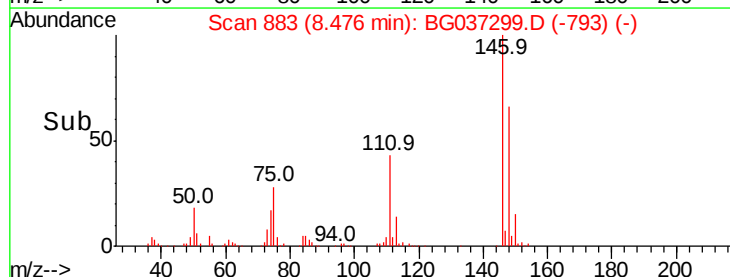
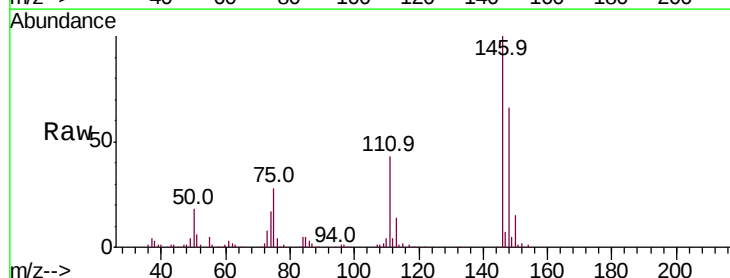
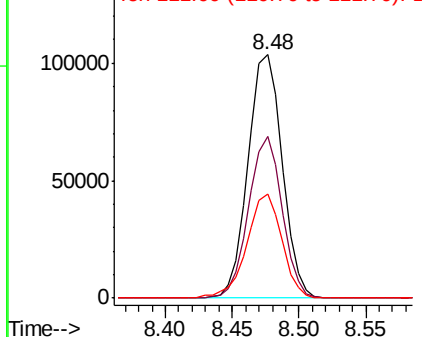
Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.4	50.4	75.6
111	42.9	34.6	51.8

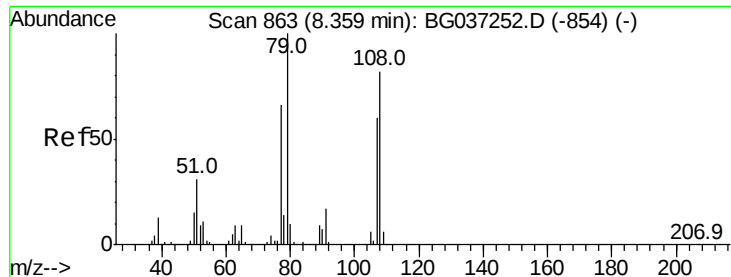
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 43.341 ng

RT: 8.36 min Scan# 863

Delta R.T. -0.00 min

Lab File: BG037299.D

Acq: 12 Oct 2018 20:17

Instrument :

BNA_G

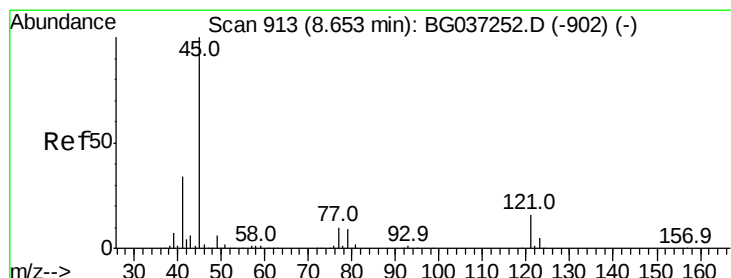
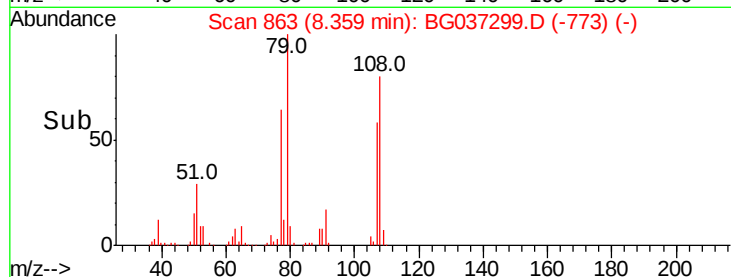
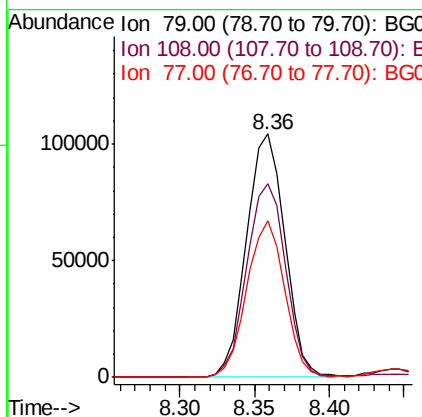
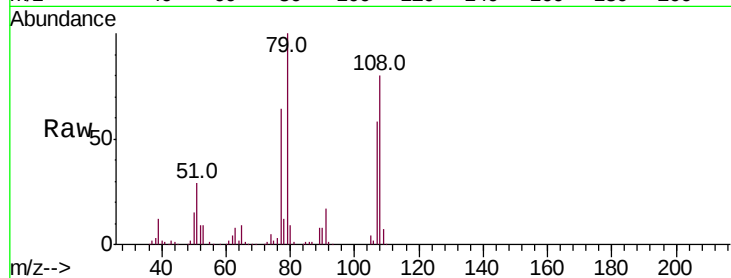
ClientSampleId :

SOIL-DRUMMSD

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	79.6	65.8	98.8	
77	64.1	52.9	79.3	

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#16

2,2'-oxybis(1-chloropropane)

Concen: 36.491 ng

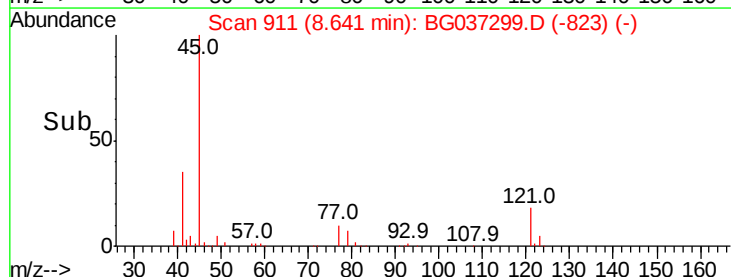
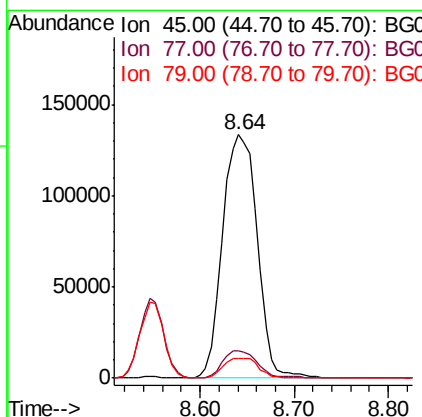
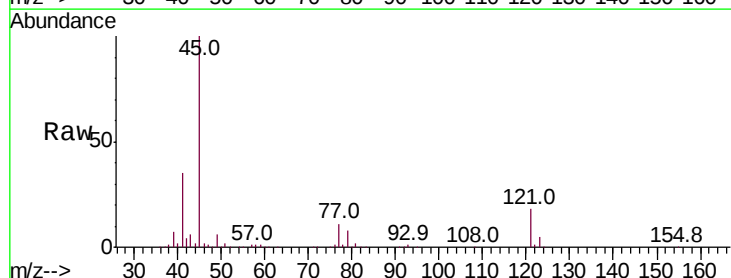
RT: 8.64 min Scan# 911

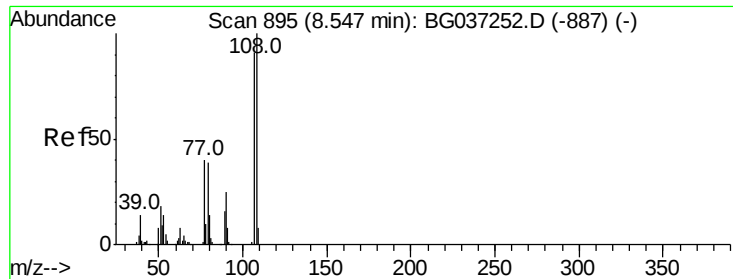
Delta R.T. -0.01 min

Lab File: BG037299.D

Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	11.3	0.0	30.0	
79	7.8	0.0	29.0	





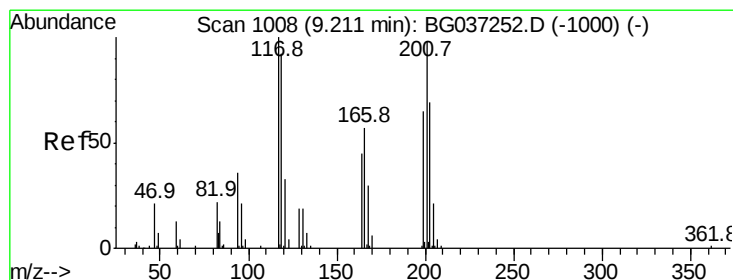
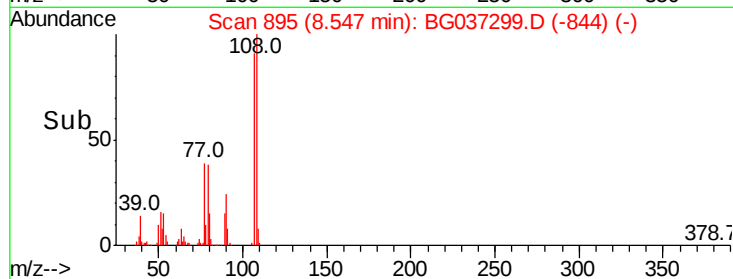
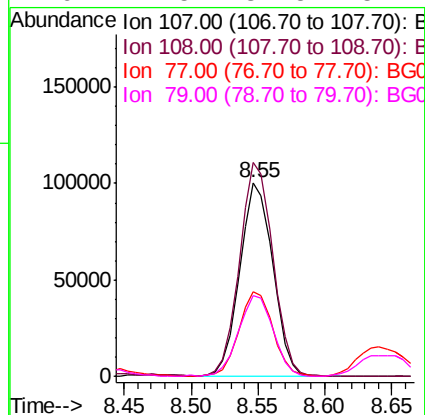
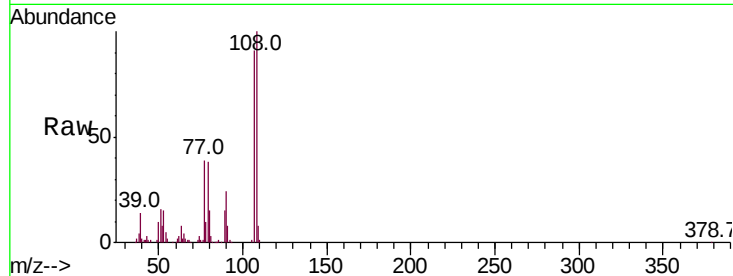
#17
2-Methylphenol
Concen: 44.580 ng
RT: 8.55 min Scan# 895
Delta R.T. -0.00 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	110.2	87.9	131.9
77	43.3	35.1	52.7
79	41.5	34.5	51.7

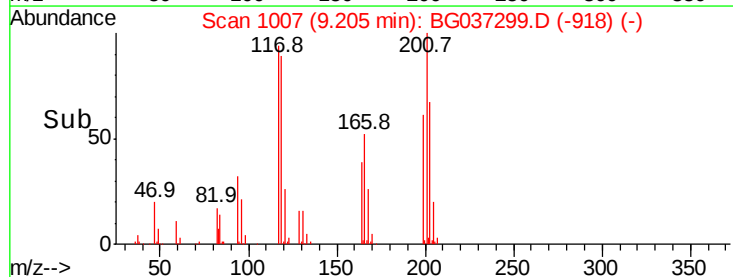
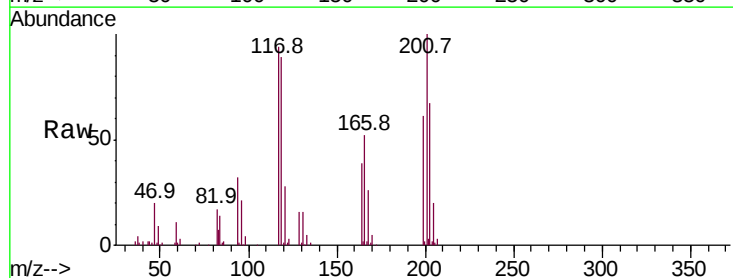
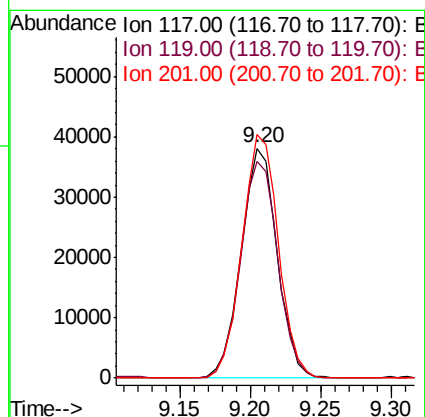
Manual Integrations
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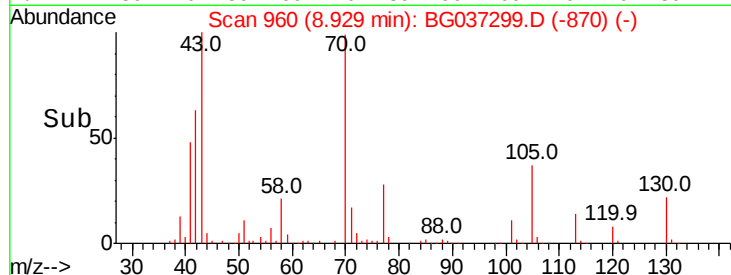
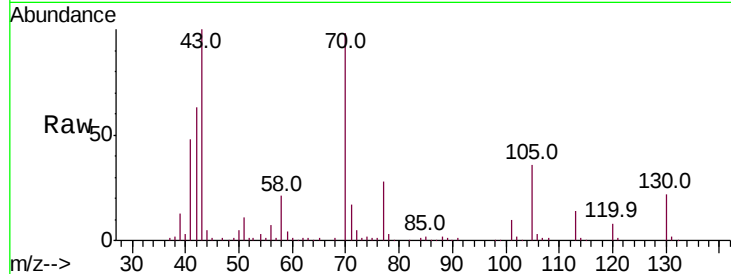
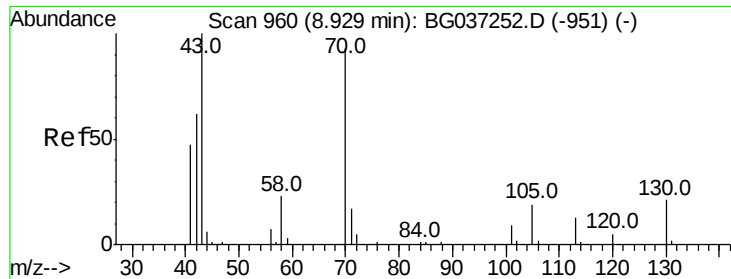
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#18
Hexachloroethane
Concen: 39.675 ng
RT: 9.20 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	74.6	111.8
201	109.0	80.8	121.2





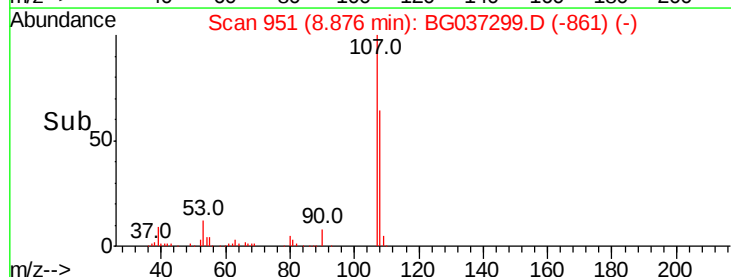
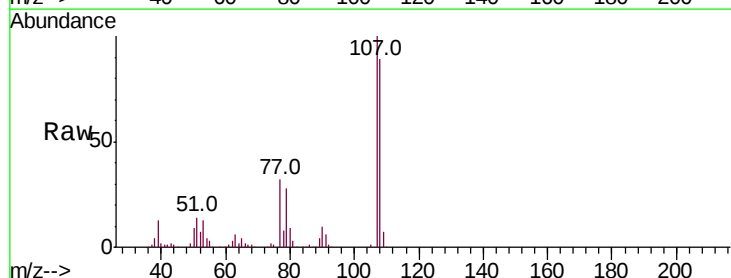
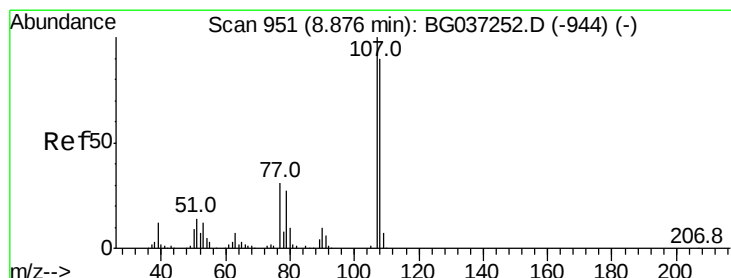
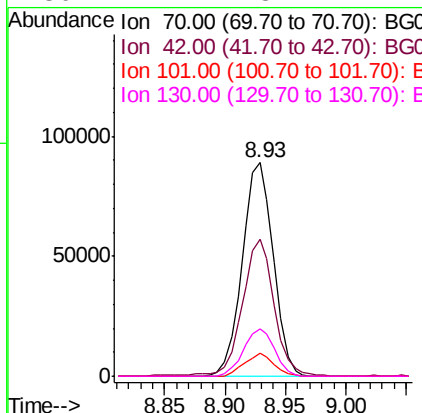
#19
n-Nitroso-di-n-propylamine
Concen: 38.453 ng
RT: 8.93 min Scan# 960
Delta R.T. -0.00 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	64.3	53.9	80.9	
101	10.6	8.2	12.2	
130	22.4	18.2	27.4	

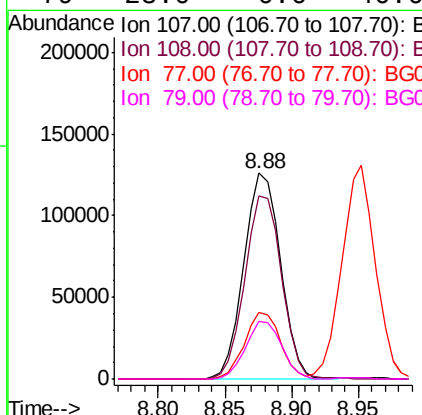
Manual Integrations
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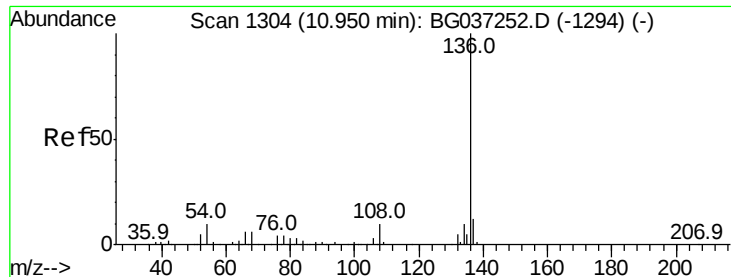
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#20
3+4-Methylphenols
Concen: 44.445 ng
RT: 8.88 min Scan# 951
Delta R.T. -0.00 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	89.3	69.9	109.9	
77	32.3	11.2	51.2	
79	28.0	6.6	46.6	





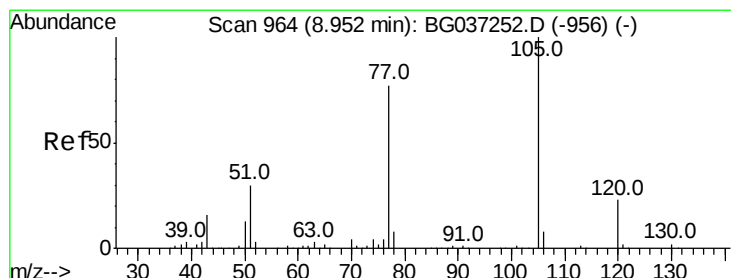
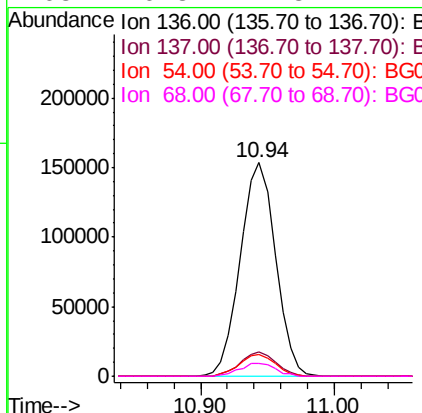
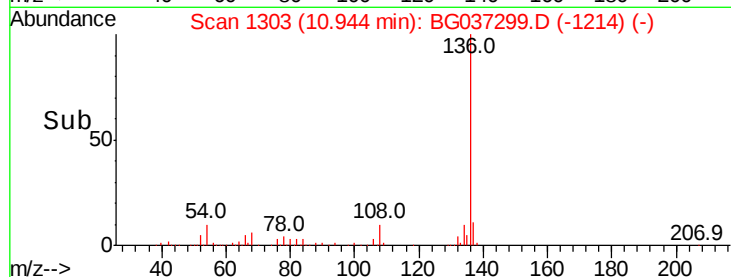
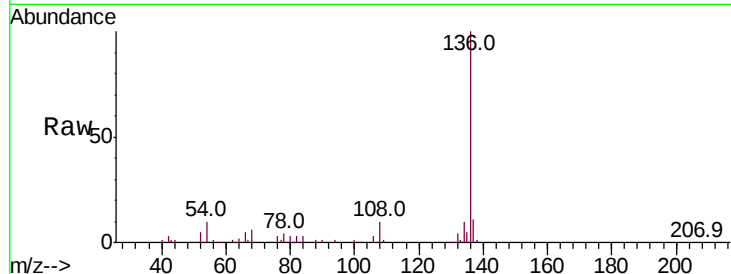
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	280433		
137	11.1		9.6	14.4
54	10.1		7.9	11.9
68	6.3		4.8	7.2

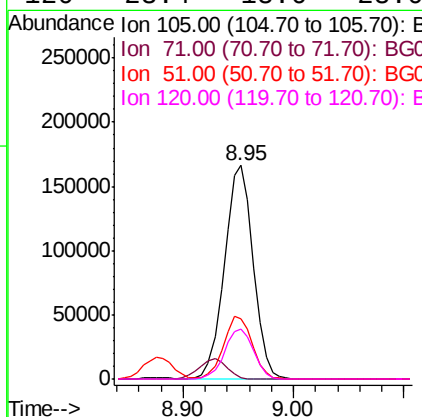
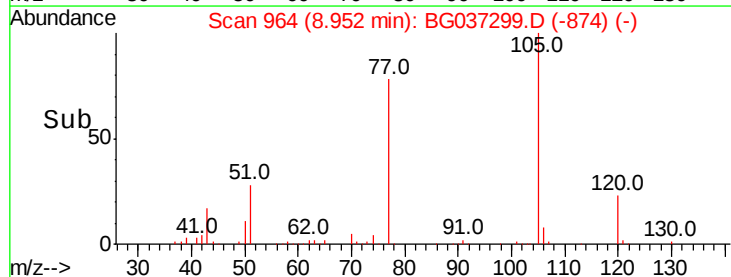
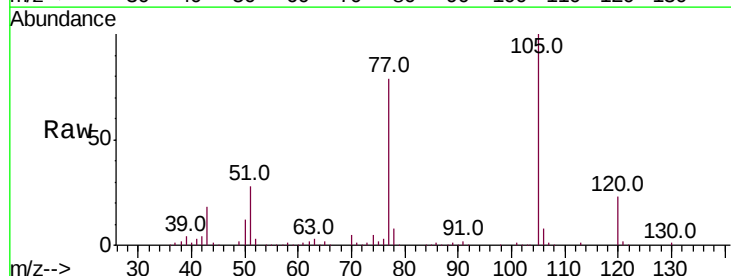
Manual Integrations
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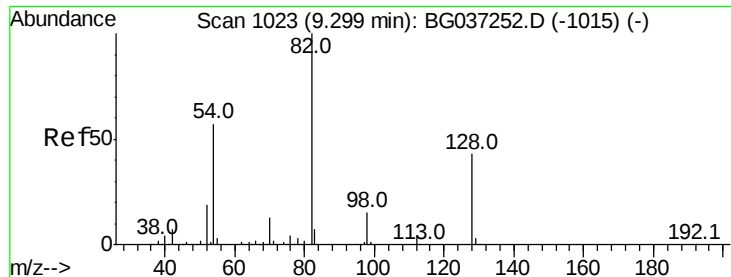
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#22
Acetophenone
Concen: 42.745 ng
RT: 8.95 min Scan# 964
Delta R.T. -0.00 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	302168		
71	0.6		1.2	1.8#
51	28.4		25.0	37.6
120	23.4		18.6	28.0





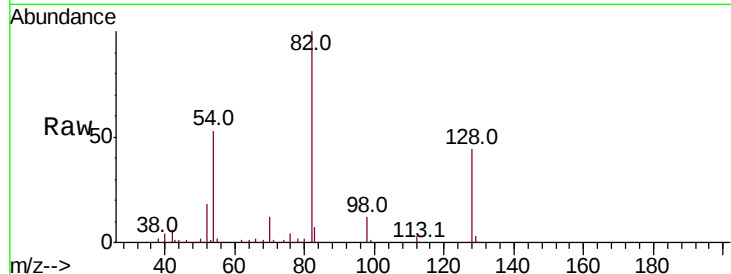
#23
 Nitrobenzene-d5
 Concen: 92.968 ng
 RT: 9.30 min Scan# 1023
 Delta R.T. -0.00 min
 Lab File: BG037299.D
 Acq: 12 Oct 2018 20:17

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-DRUMMSD

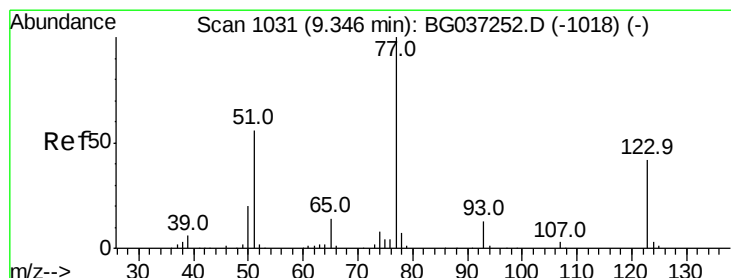
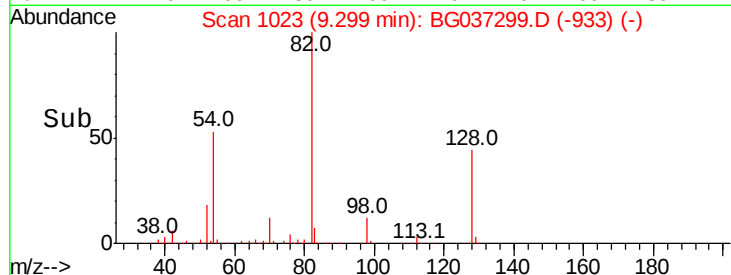
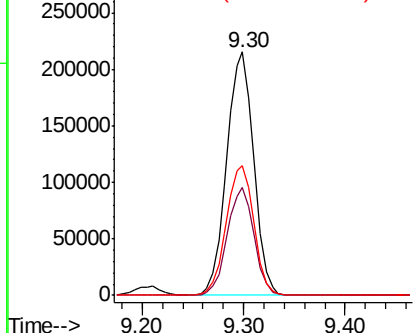
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.3	34.6	51.8
54	53.5	45.3	67.9

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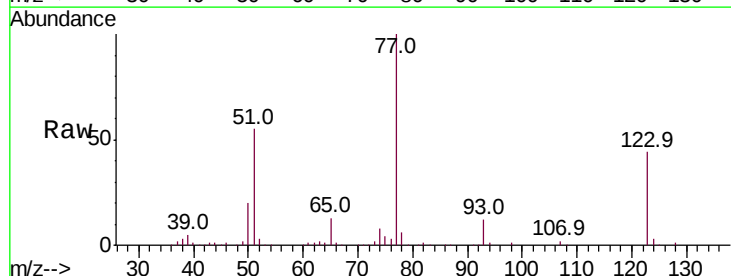


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

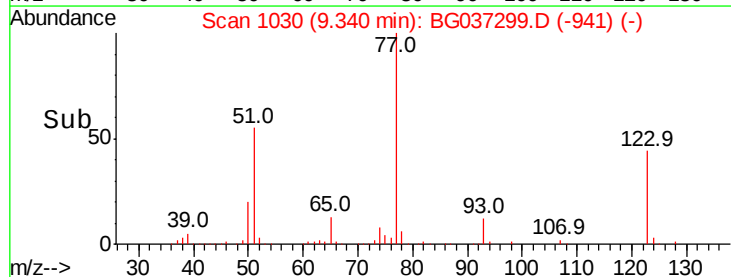
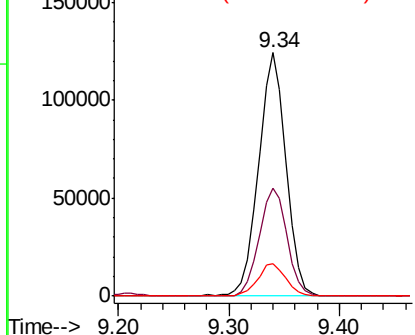


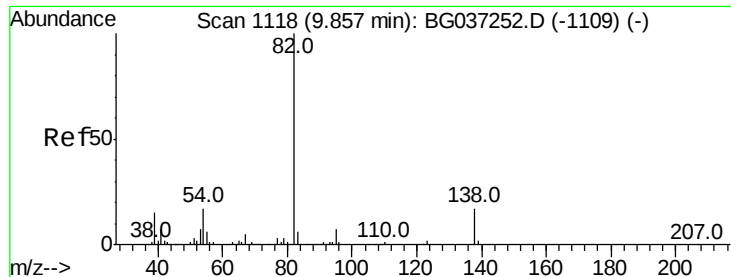
#24
 Nitrobenzene
 Concen: 47.298 ng
 RT: 9.34 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: BG037299.D
 Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.2	33.6	50.4
65	13.1	11.3	16.9



Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 48.114 ng

RT: 9.86 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BG037299.D

Acq: 12 Oct 2018 20:17

Instrument :

BNA_G

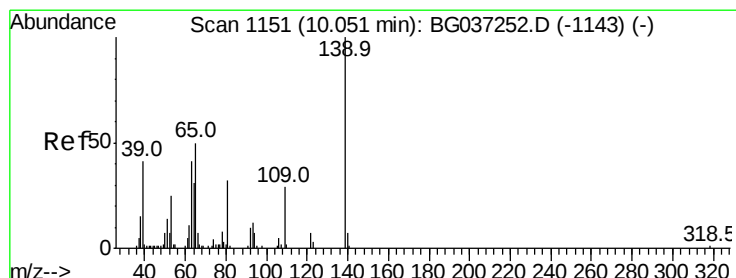
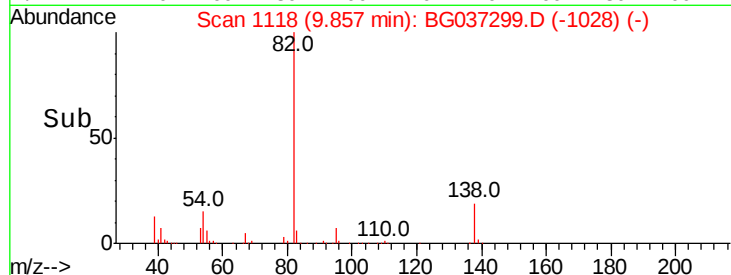
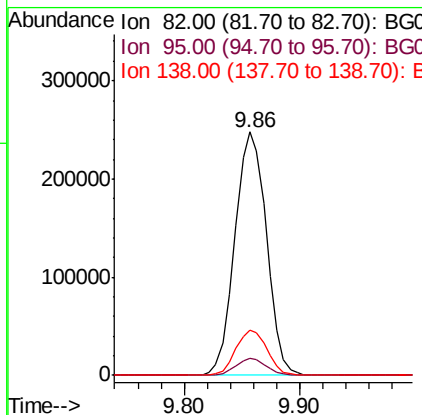
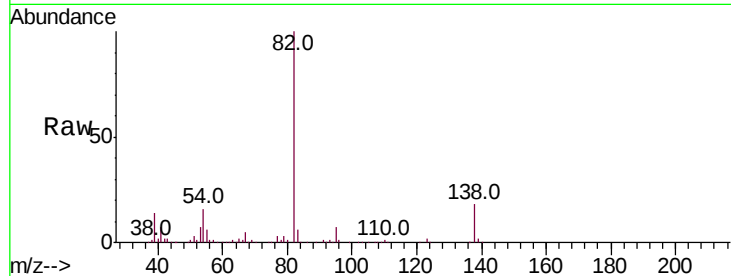
ClientSampleId :

SOIL-DRUMMSD

Tot Ion:	82	Resp:	468510
Ion Ratio	Lower	Upper	
82	100		
95	7.0	5.3	7.9
138	18.4	13.3	19.9

Manual Integrations
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#26

2-Nitrophenol

Concen: 50.765 ng

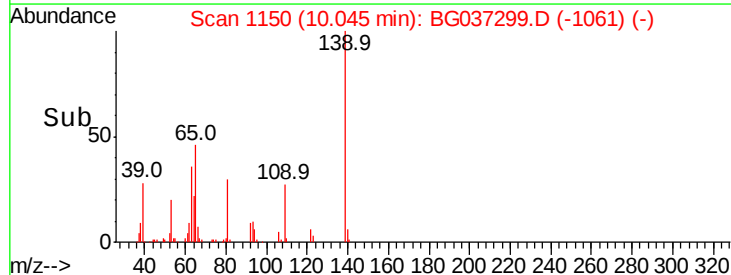
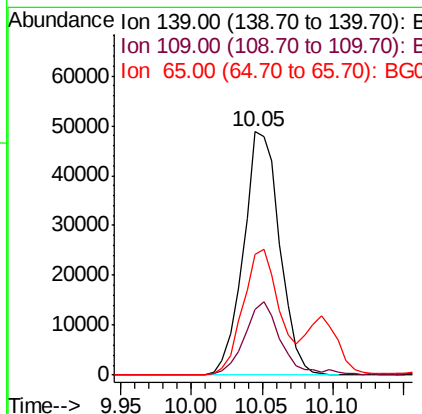
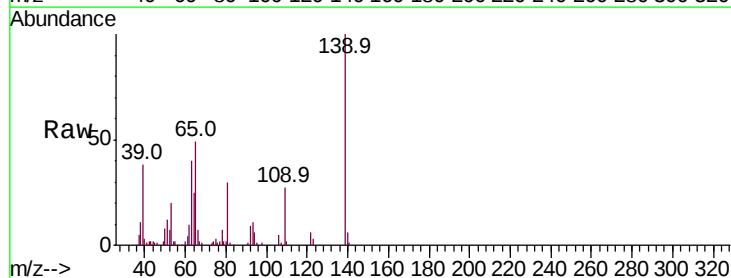
RT: 10.05 min Scan# 1150

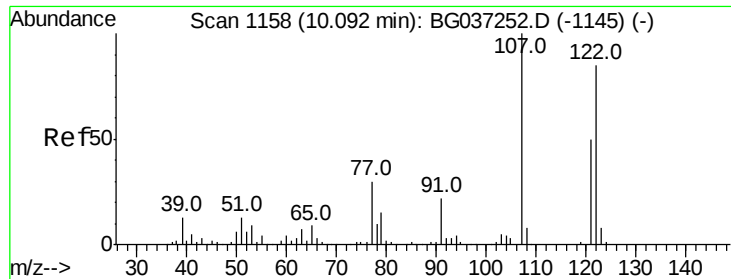
Delta R.T. -0.01 min

Lab File: BG037299.D

Acq: 12 Oct 2018 20:17

Tgt Ion:	139	Resp:	87718
Ion Ratio	Lower	Upper	
139	100		
109	27.0	23.3	34.9
65	49.3	39.8	59.8





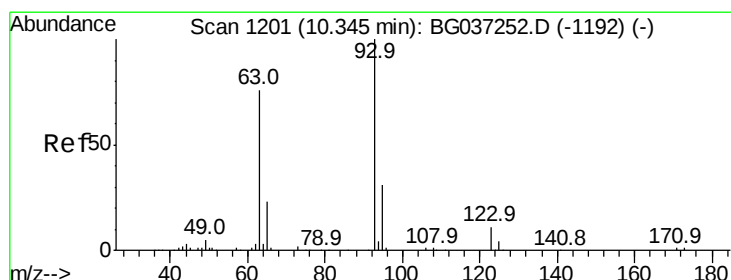
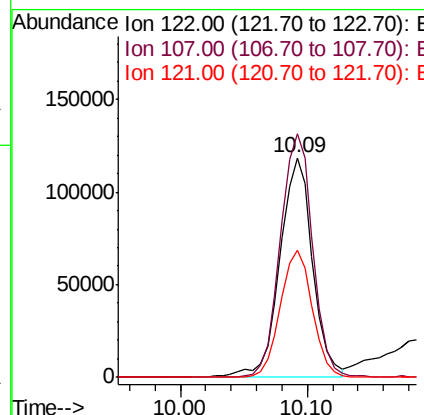
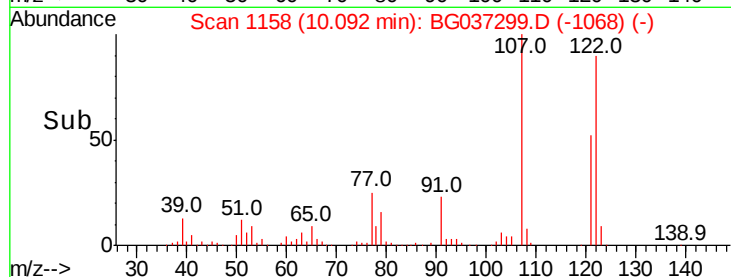
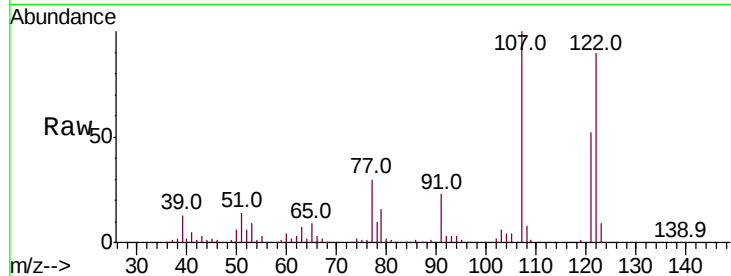
#27
2,4-Dimethylphenol
Concen: 52.289 ng
RT: 10.09 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	110.7	94.2	141.2
121	58.0	47.3	70.9

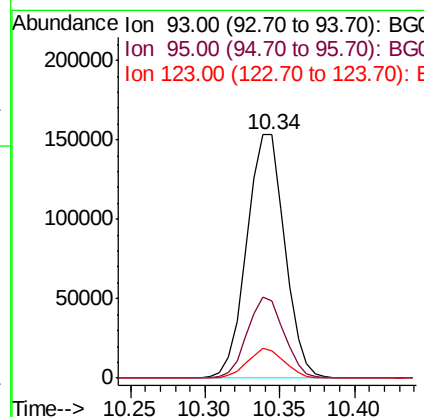
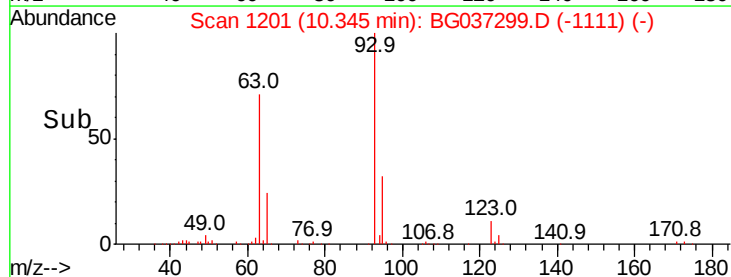
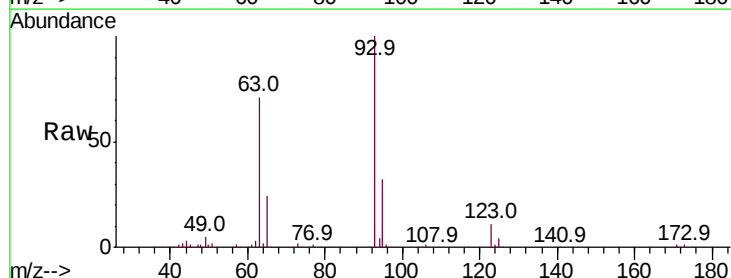
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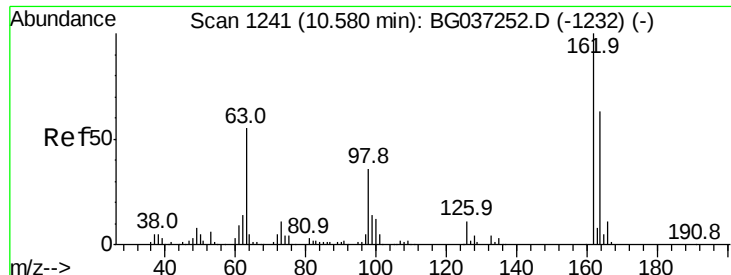
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#28
bis(2-Chloroethoxy)methane
Concen: 44.271 ng
RT: 10.34 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.6	24.6	37.0
123	11.4	9.1	13.7





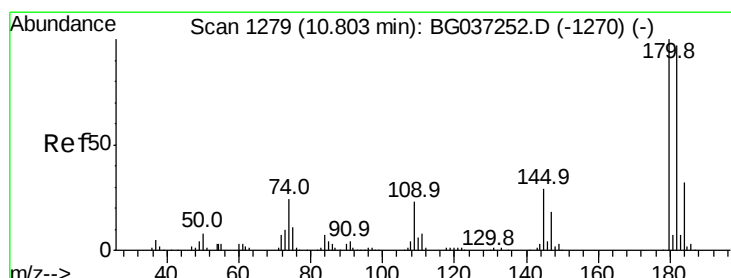
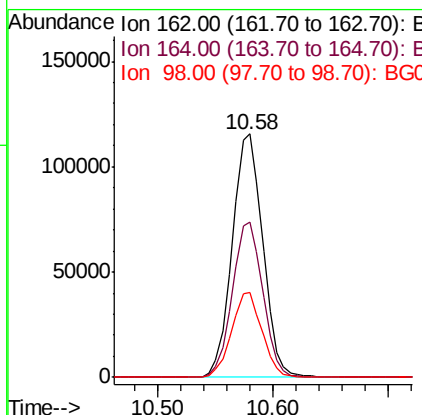
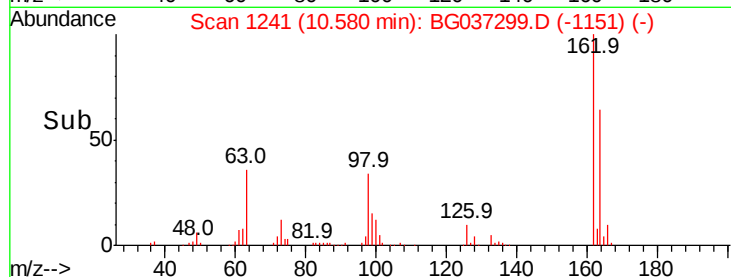
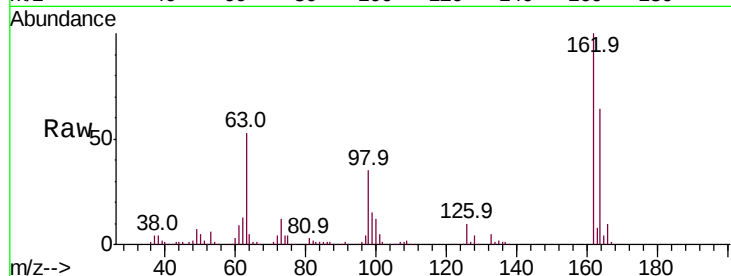
#29
2,4-Dichlorophenol
Concen: 51.140 ng
RT: 10.58 min Scan# 1241
Delta R.T. -0.00 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
164	63.6	43.2	83.2	
98	34.6	16.0	56.0	

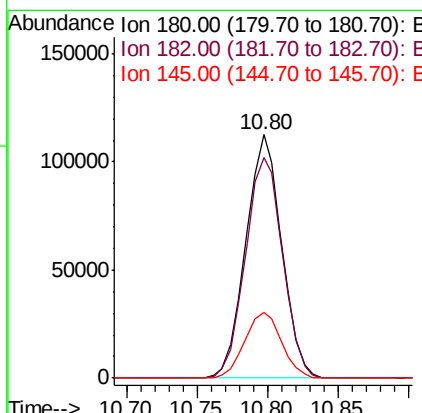
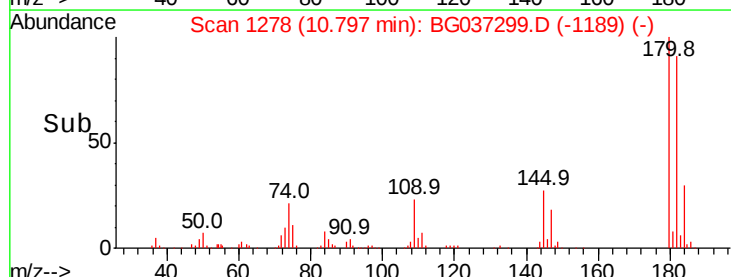
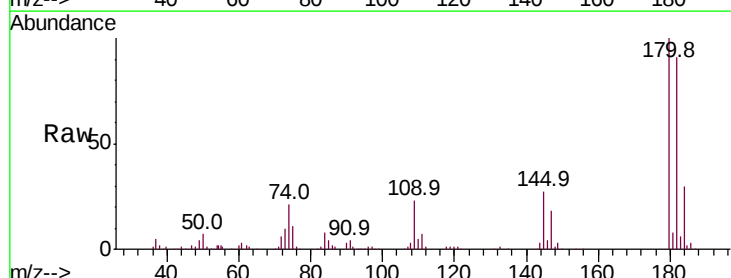
Manual Integrations
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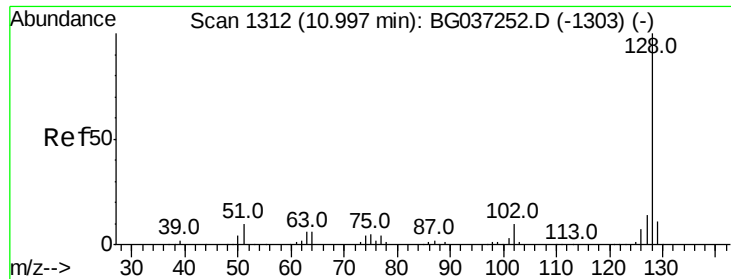
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#30
1,2,4-Trichlorobenzene
Concen: 39.797 ng
RT: 10.80 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	90.6	77.7	116.5	
145	27.2	23.3	34.9	





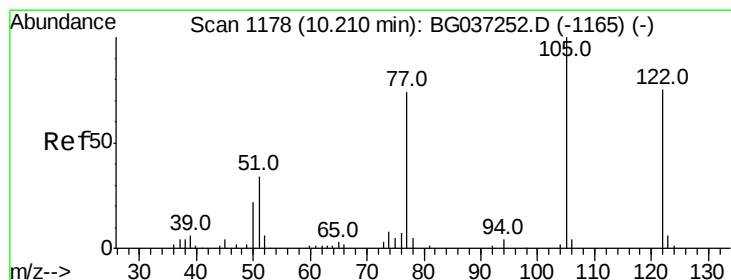
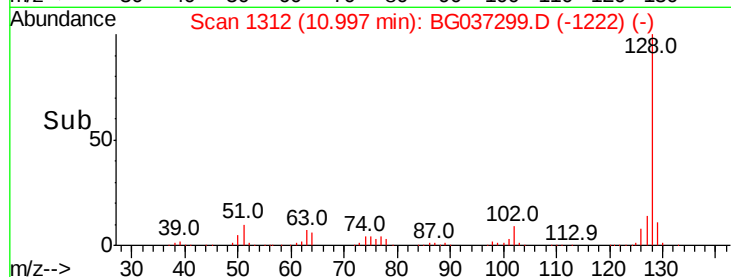
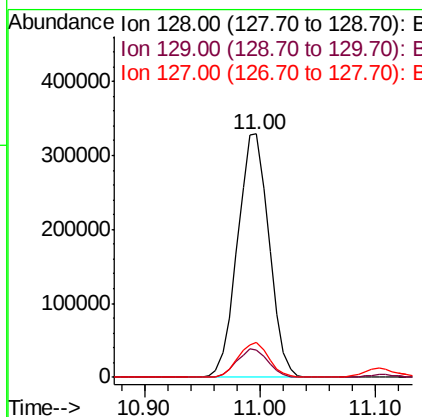
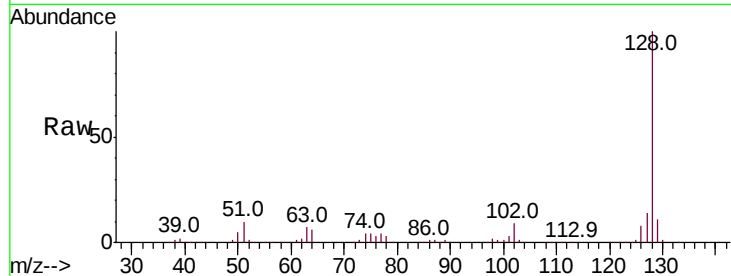
#31
Naphthalene
Concen: 45.644 ng
RT: 11.00 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	14.2	11.1	16.7

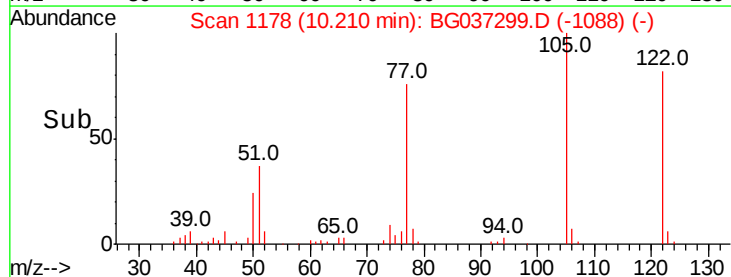
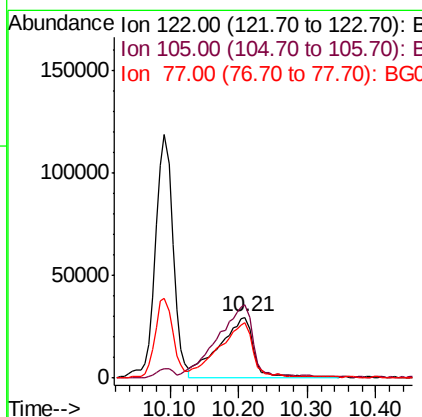
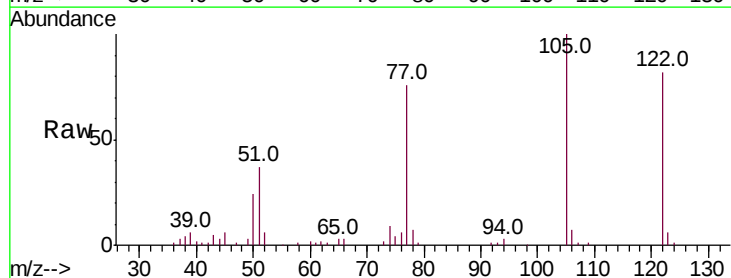
Manual Integrations
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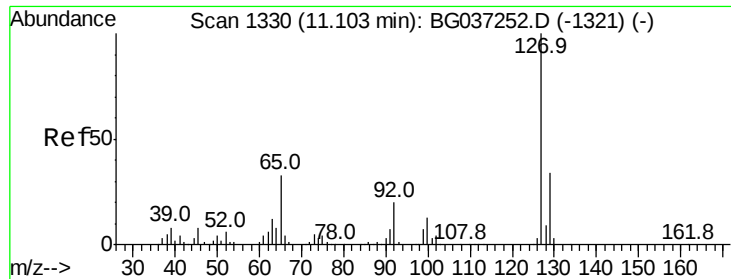
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#32
Benzoic acid
Concen: 47.053 ng
RT: 10.21 min Scan# 1178
Delta R.T. -0.00 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
122	100		
105	121.6	106.7	146.7
77	92.6	72.2	112.2





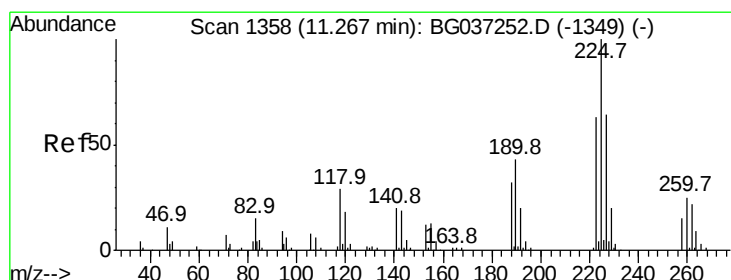
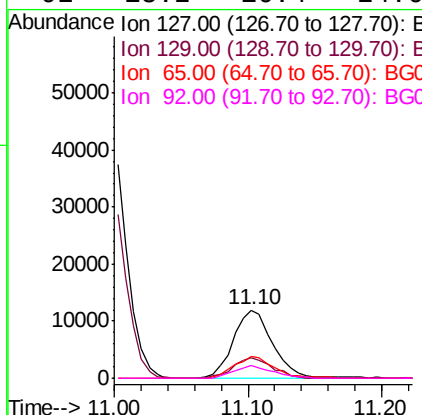
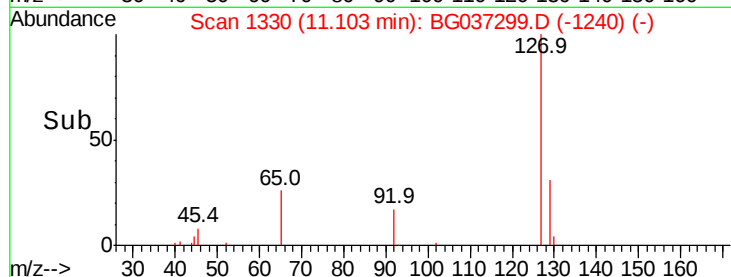
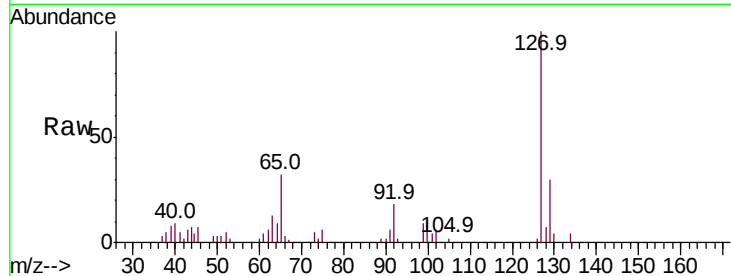
#33
4-Chloroaniline
Concen: 3.791 ng
RT: 11.10 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	30.2	27.1	40.7
65	31.6	26.6	39.8
92	18.2	16.4	24.6

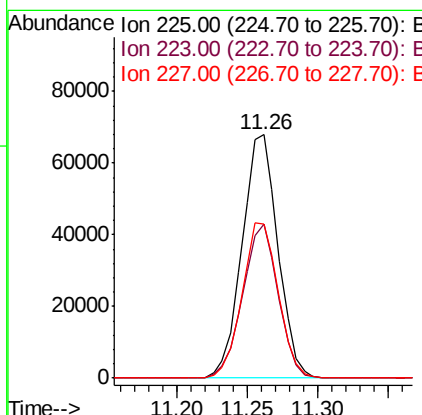
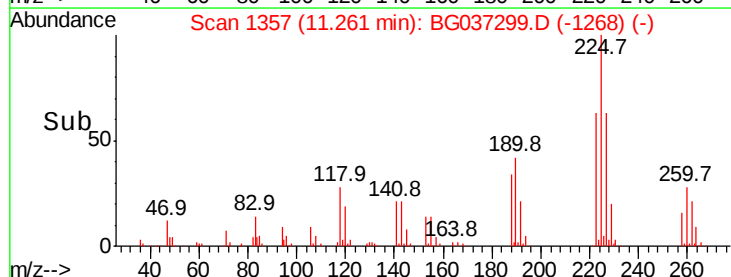
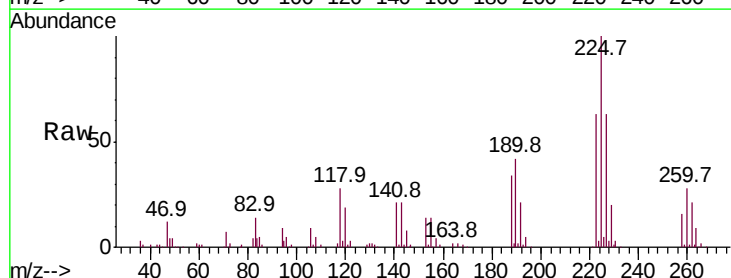
Manual Integrations
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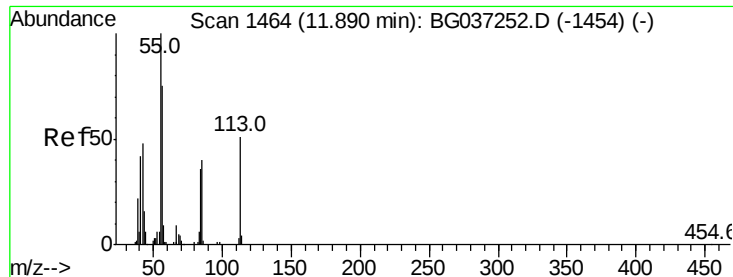
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#34
Hexachlorobutadiene
Concen: 38.565 ng
RT: 11.26 min Scan# 1357
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	48.2	72.4
227	63.1	51.6	77.4





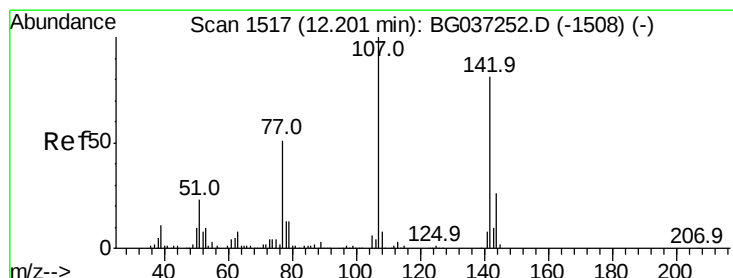
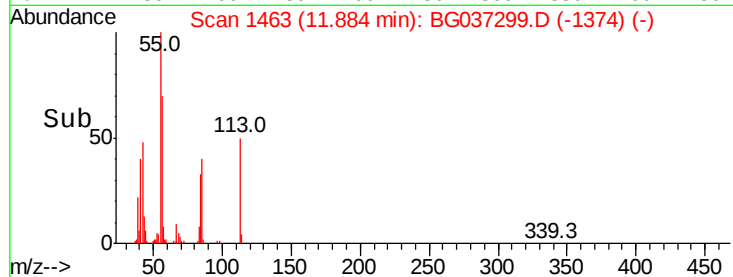
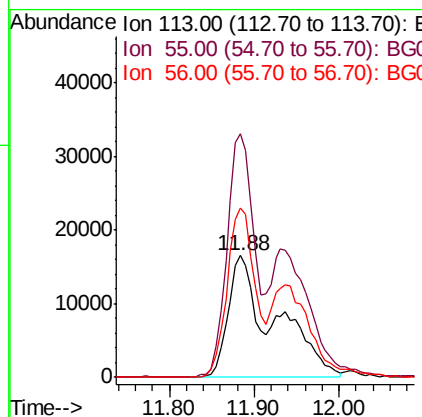
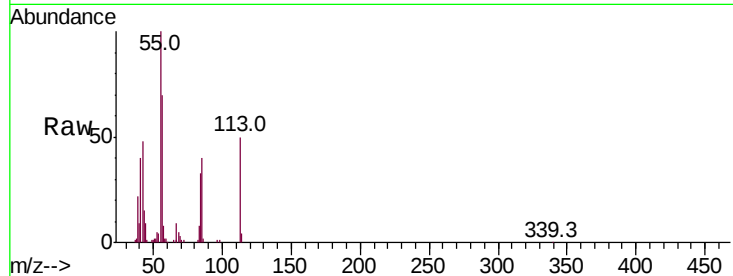
#35
Caprolactam
Concen: 37.069 ng/ml
RT: 11.88 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleID :
SOIL-DRUMMSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	200.5	176.6	216.6
56	140.0	128.3	168.3

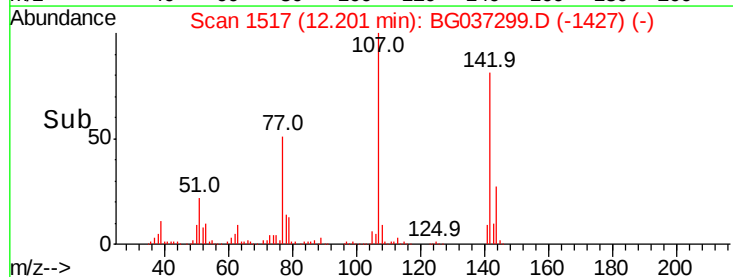
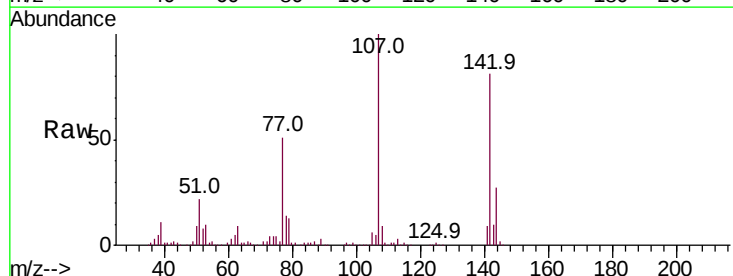
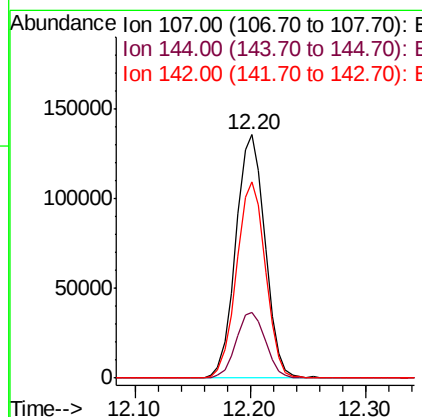
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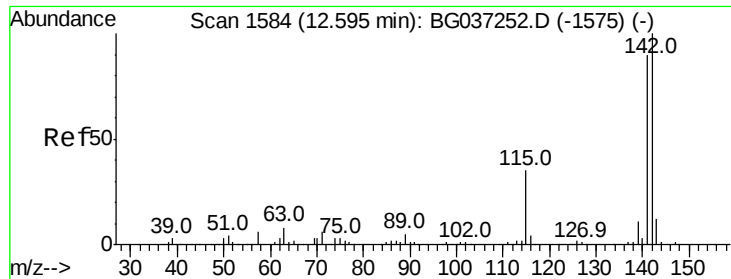
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#36
4-Chloro-3-methylphenol
Concen: 48.875 ng
RT: 12.20 min Scan# 1517
Delta R.T. -0.00 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.2	20.7	31.1
142	80.6	64.4	96.6





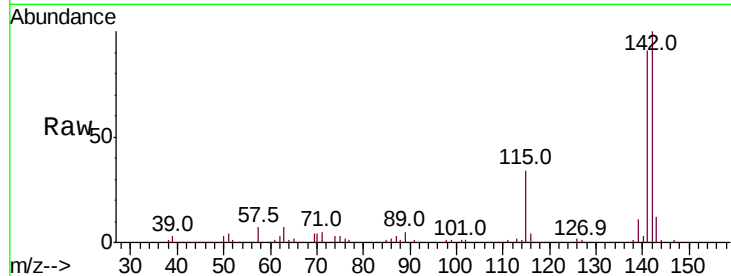
#37
2-Methylnaphthalene
Concen: 46.820 ng
RT: 12.59 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.6	71.9	107.9
115	34.1	27.8	41.8

Manual Integrations
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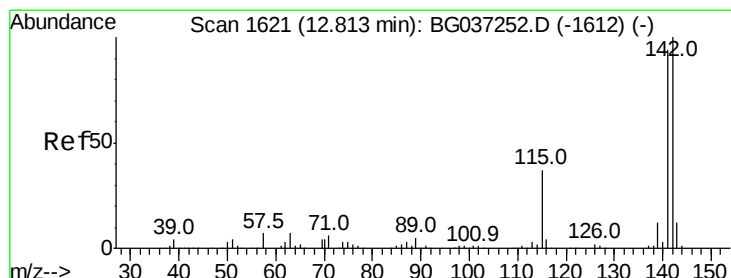
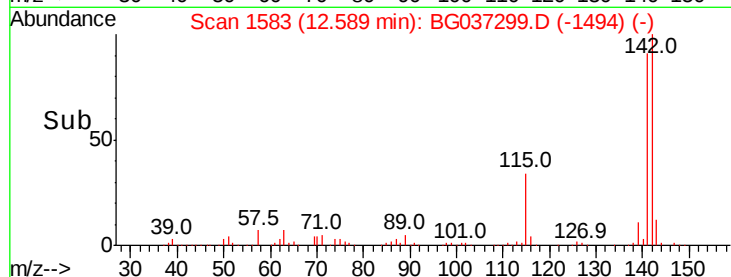
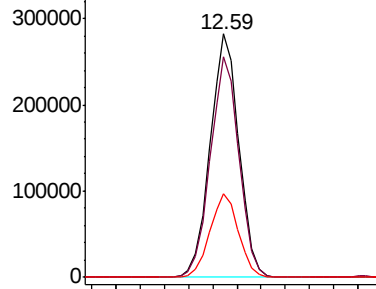


Abundance

Ion 142.00 (141.70 to 142.70): E

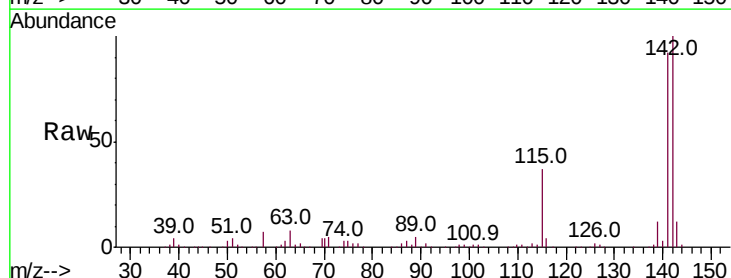
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 46.051 ng
RT: 12.81 min Scan# 1620
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	75.2	112.8
116	3.8	3.3	4.9

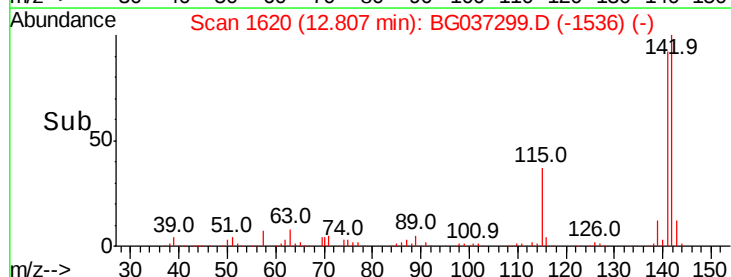
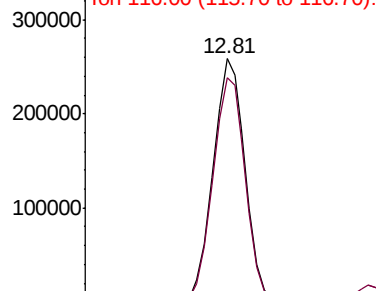


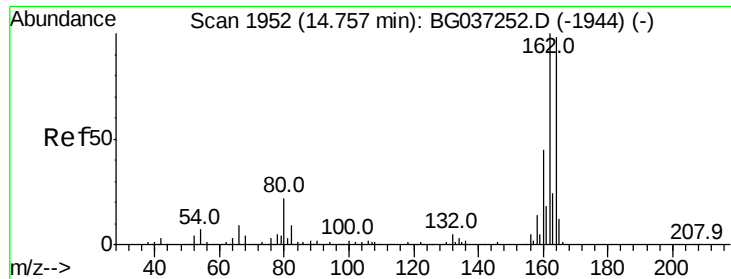
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





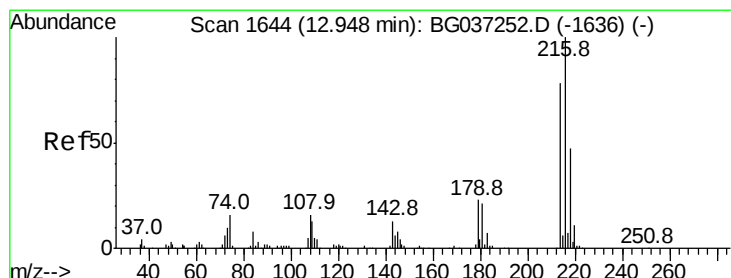
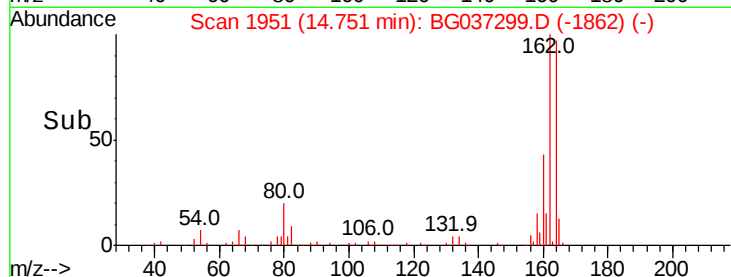
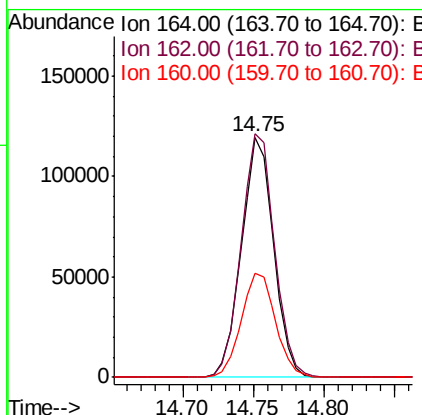
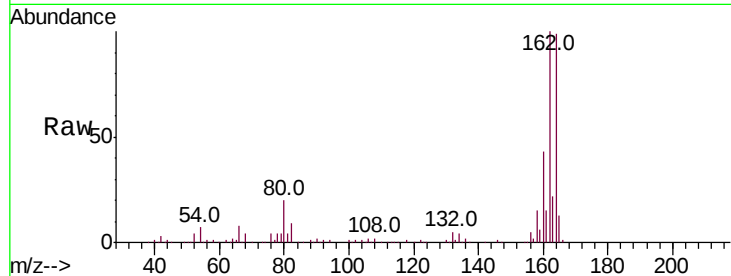
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 1951
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.3	121.9
160	43.6	36.3	54.5

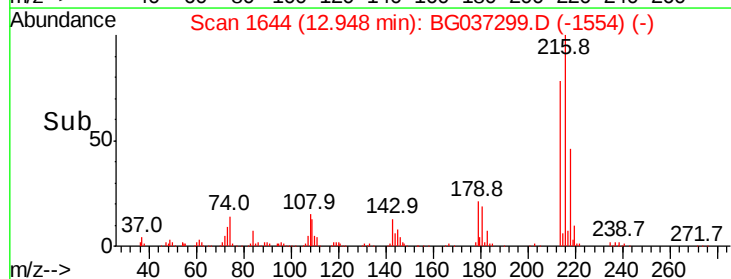
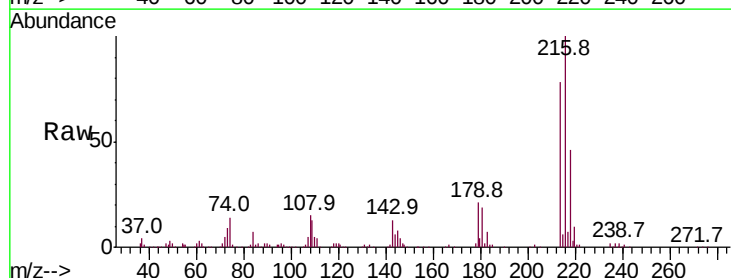
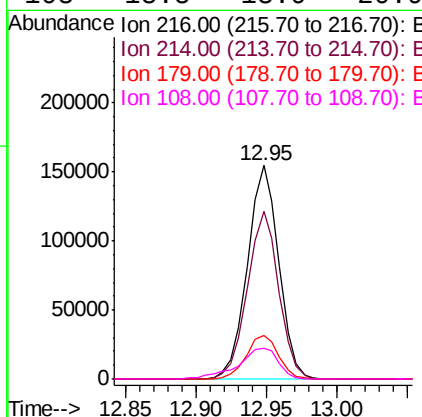
Manual Integrations
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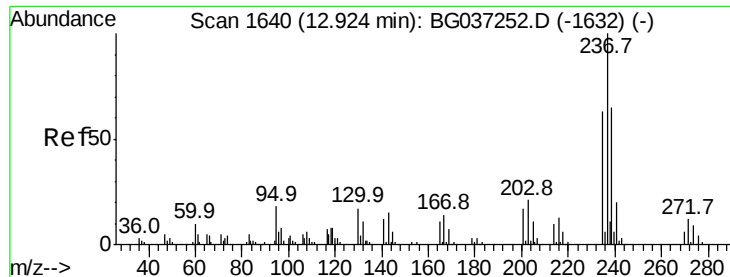
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.163 ng
RT: 12.95 min Scan# 1644
Delta R.T. -0.00 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.8	95.6
179	21.0	17.4	26.0
108	18.5	13.9	20.9





#41

Hexachlorocyclopentadiene

Concen: 89.324 ng

RT: 12.92 min Scan# 1639

Delta R.T. -0.01 min

Lab File: BG037299.D

Acq: 12 Oct 2018 20:17

Instrument :

BNA_G

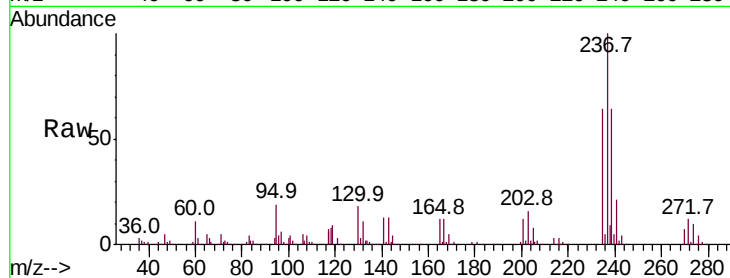
ClientSampleId :

SOIL-DRUMMSD

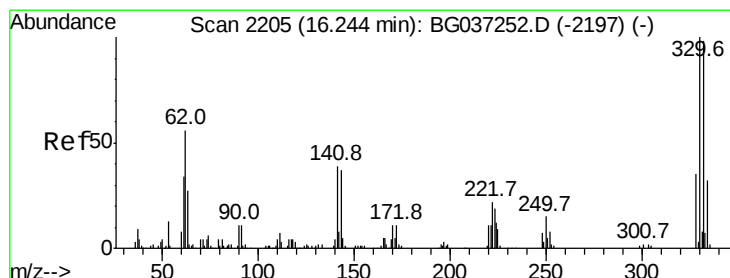
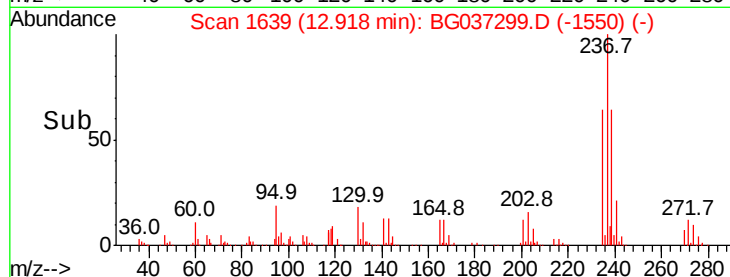
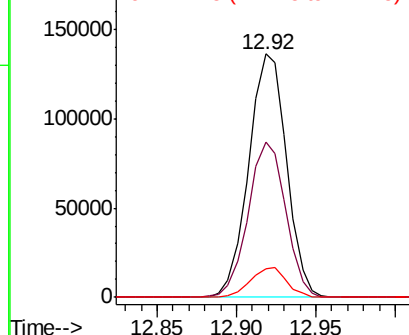
Tot Ion:	237	Resp:	226286
Ion Ratio	Lower	Upper	
237	100		
235	64.0	42.5	82.5
272	11.9	0.0	31.6

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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: 138.700 ng

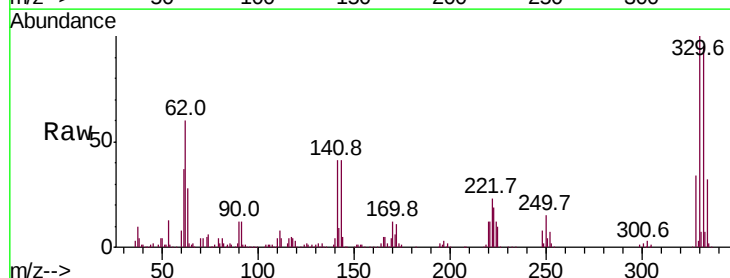
RT: 16.24 min Scan# 2204

Delta R.T. -0.01 min

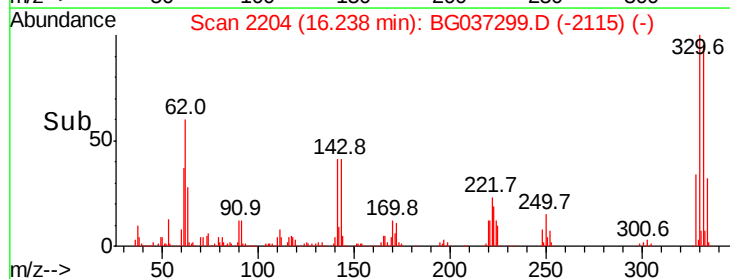
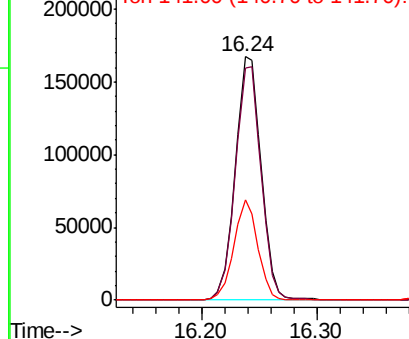
Lab File: BG037299.D

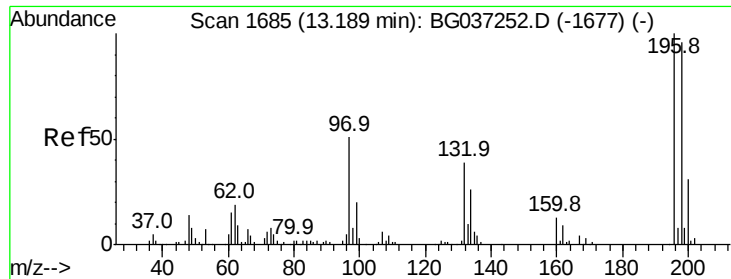
Acq: 12 Oct 2018 20:17

Tgt Ion:	330	Resp:	258118
Ion Ratio	Lower	Upper	
330	100		
332	96.2	78.4	117.6
141	38.4	32.2	48.2



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





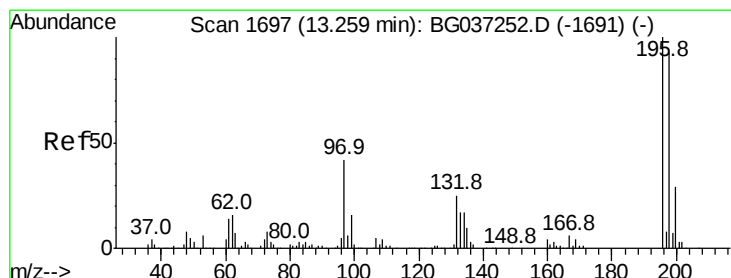
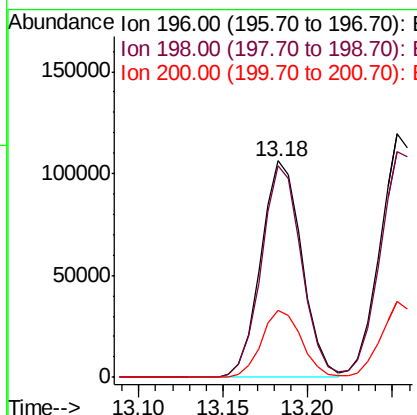
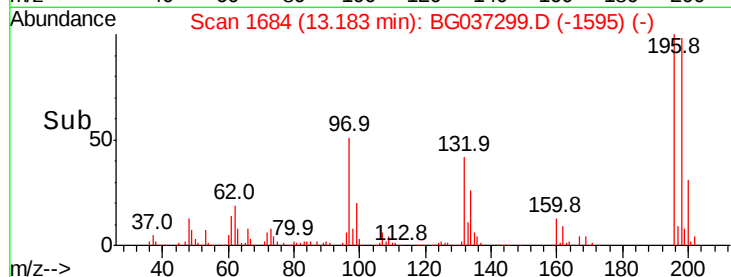
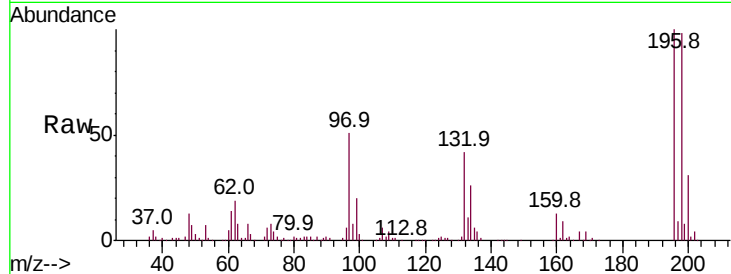
#43
 2,4,6-Trichlorophenol
 Concen: 50.089 ng
 RT: 13.18 min Scan# 1684
 Delta R.T. -0.01 min
 Lab File: BG037299.D
 Acq: 12 Oct 2018 20:17

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-DRUMMSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	178558		
198	97.8	76.4	114.6	
200	31.0	24.9	37.3	

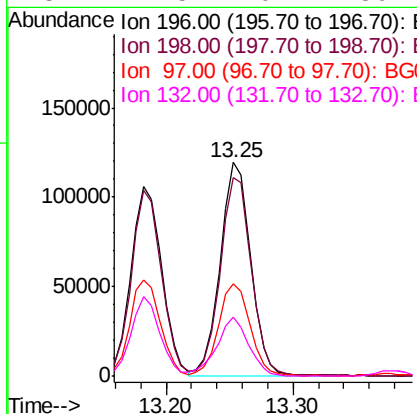
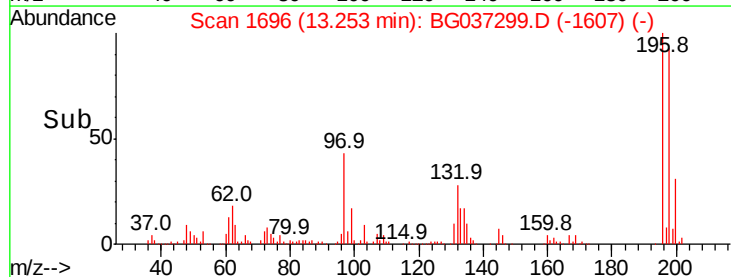
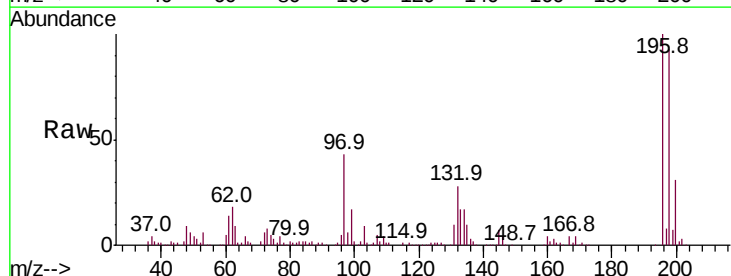
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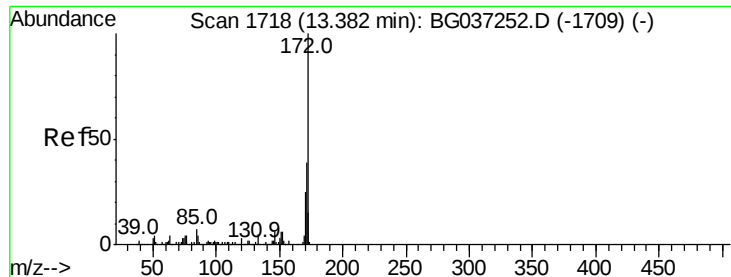
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#44
 2,4,5-Trichlorophenol
 Concen: 51.712 ng
 RT: 13.25 min Scan# 1696
 Delta R.T. -0.01 min
 Lab File: BG037299.D
 Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	198346		
198	92.7	74.2	111.2	
97	43.4	34.1	51.1	
132	27.5	20.2	30.4	





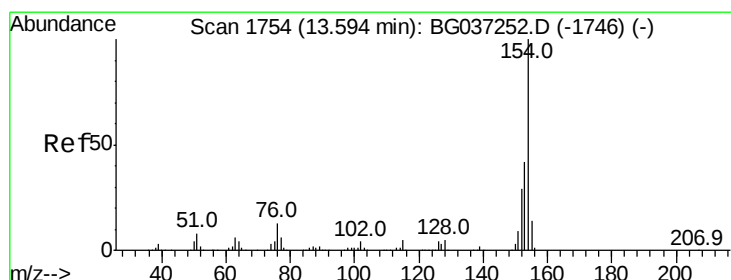
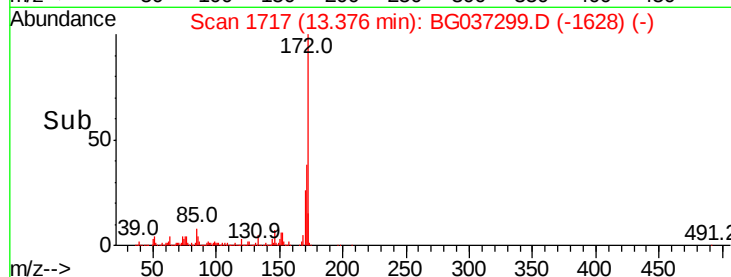
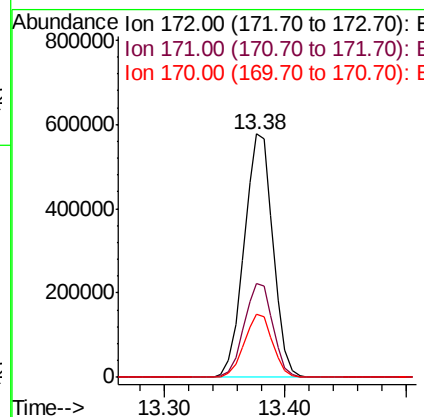
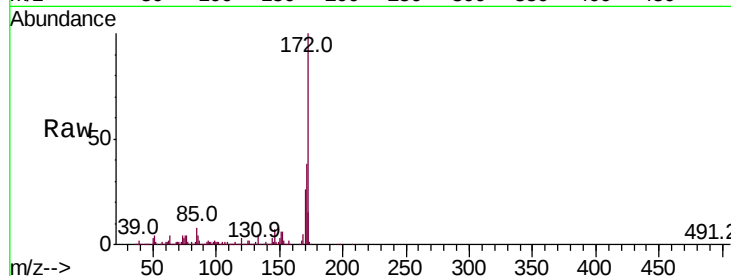
#45
2-Fluorobiphenyl
Concen: 75.671 ng
RT: 13.38 min Scan# 1717
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	38.5	31.0	46.4	
170	26.1	20.2	30.2	

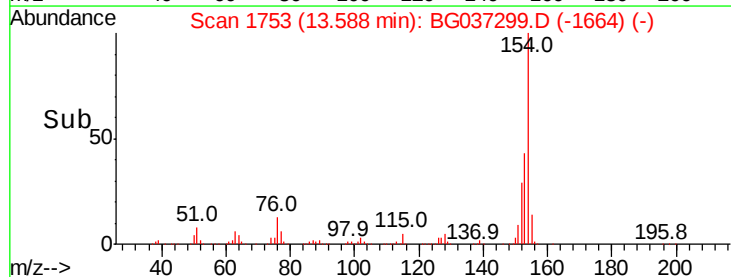
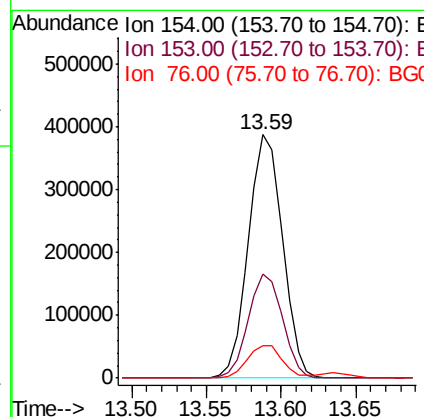
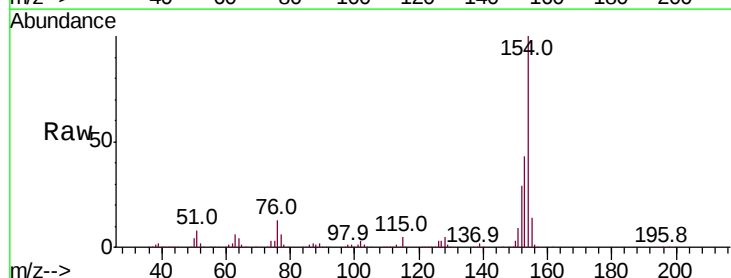
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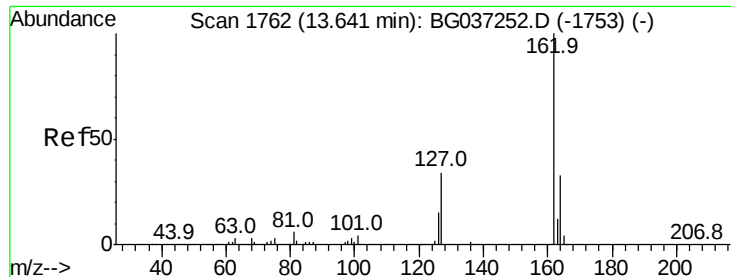
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#46
1,1'-Biphenyl
Concen: 39.345 ng
RT: 13.59 min Scan# 1753
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	42.7	22.1	62.1	
76	13.2	0.0	33.2	





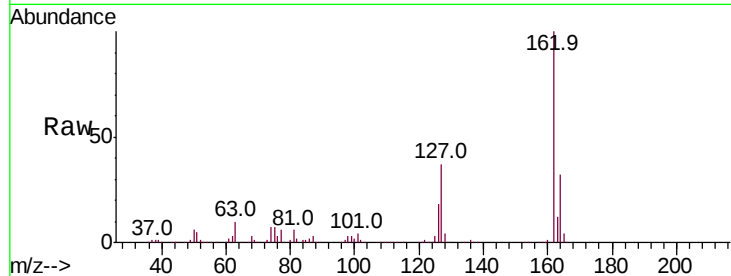
#47
2-Chloronaphthalene
Concen: 40.841 ng
RT: 13.63 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

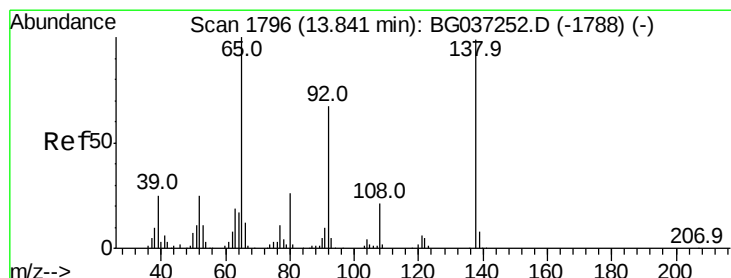
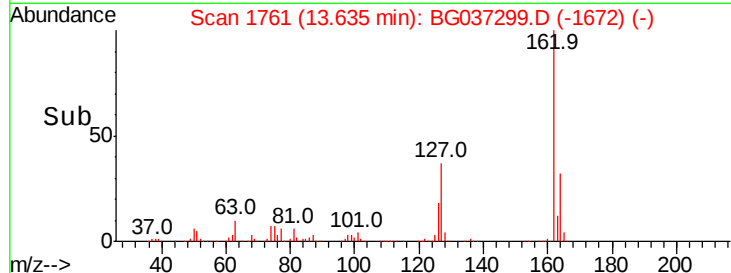
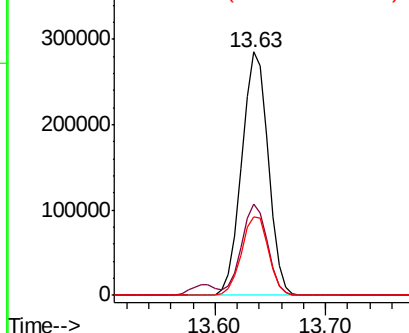
Tot Ion	Ratio	Resp	Lower	Upper
162	100	481550		
127	37.4		30.5	45.7
164	32.1		26.4	39.6

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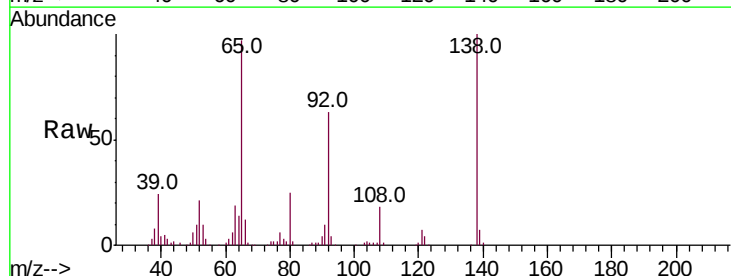


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

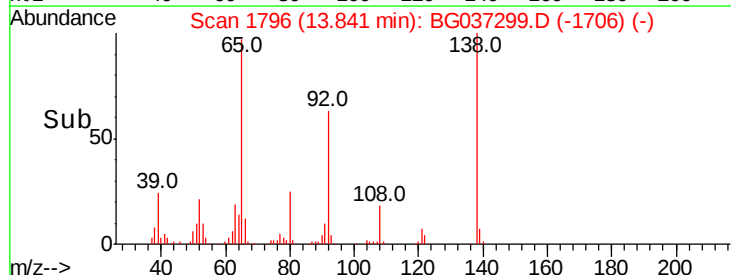
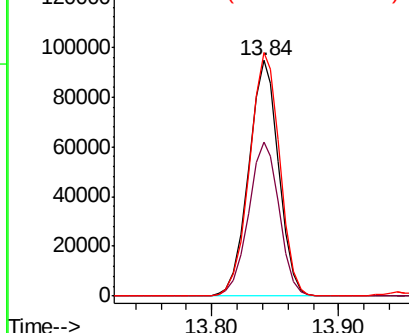


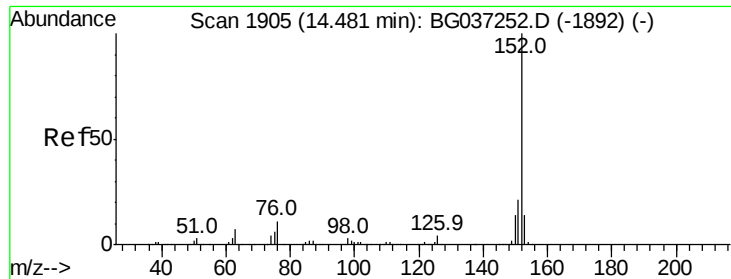
#48
2-Nitroaniline
Concen: 48.633 ng
RT: 13.84 min Scan# 1796
Delta R.T. 0.00 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	155641		
92	65.3		53.2	79.8
138	103.4		79.3	118.9



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





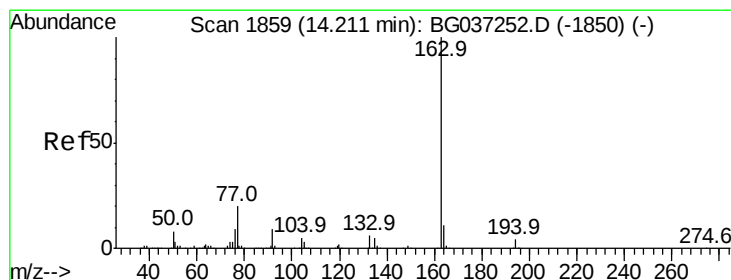
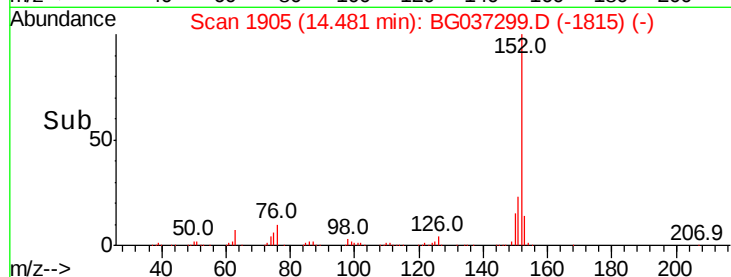
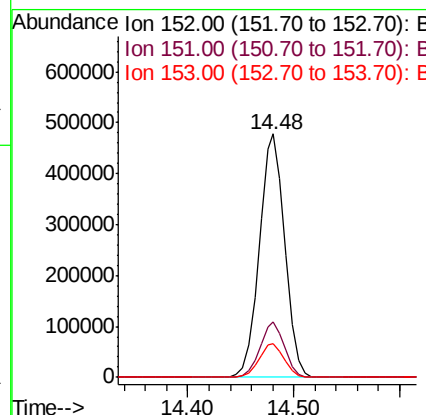
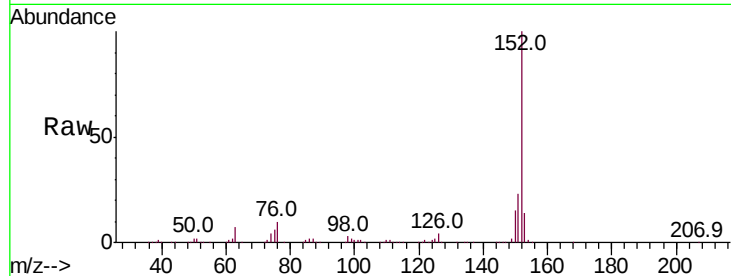
#49
Acenaphthylene
Concen: 44.240 ng
RT: 14.48 min Scan# 1905
Delta R.T. -0.00 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.5	17.1	25.7
153	13.7	11.1	16.7

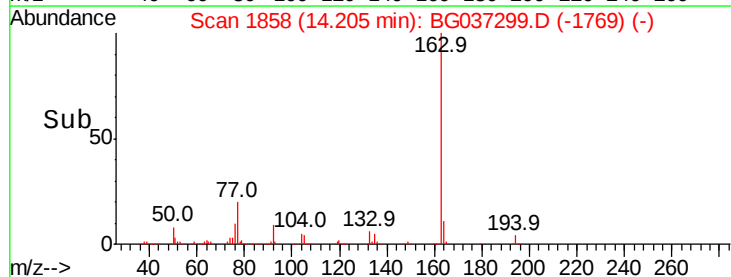
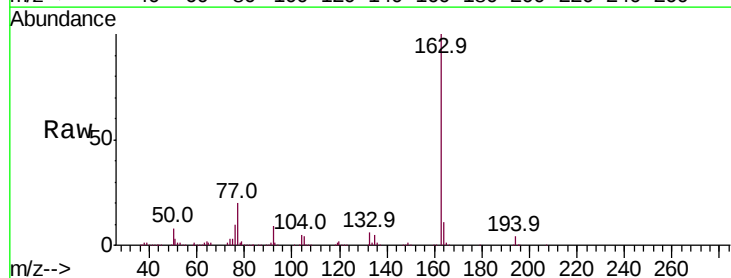
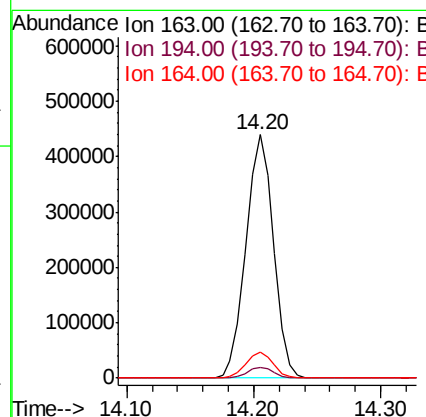
Manual Integrations
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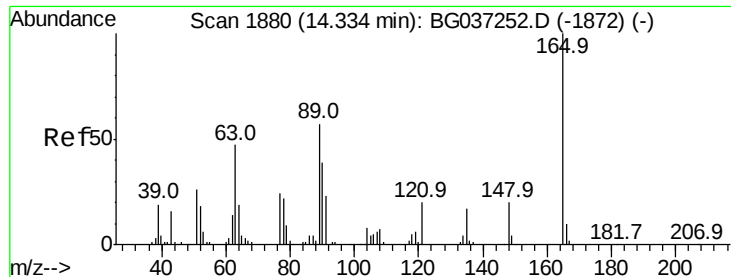
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#50
Dimethylphthalate
Concen: 44.456 ng
RT: 14.20 min Scan# 1858
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.6	8.5	12.7





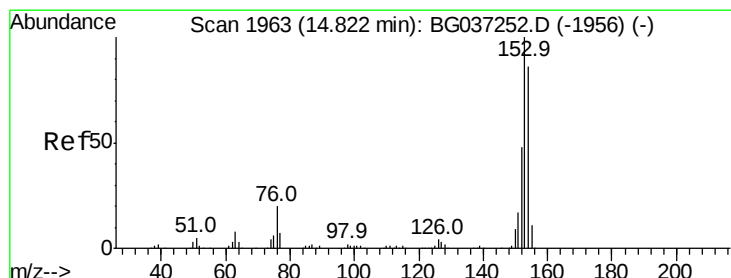
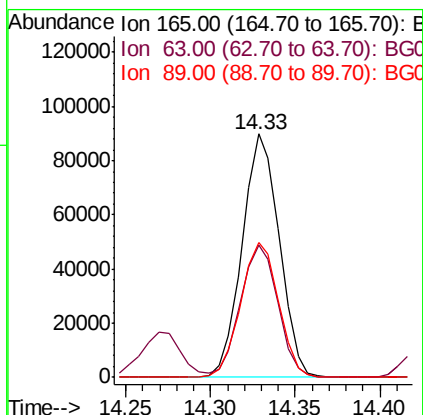
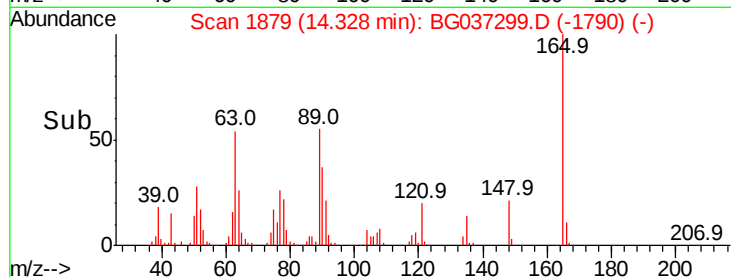
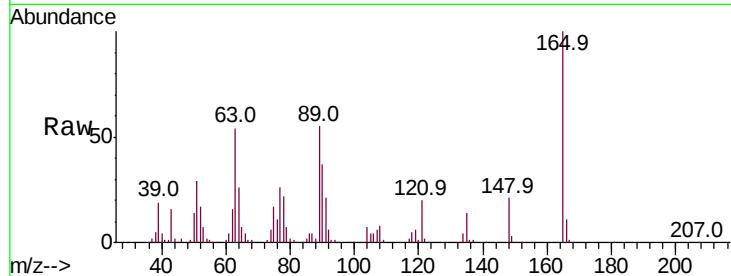
#51
 2,6-Dinitrotoluene
 Concen: 47.467 ng
 RT: 14.33 min Scan# 1879
 Delta R.T. -0.01 min
 Lab File: BG037299.D
 Acq: 12 Oct 2018 20:17

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-DRUMMSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	137322		
63	54.5	43.4	65.2	
89	55.1	45.8	68.6	

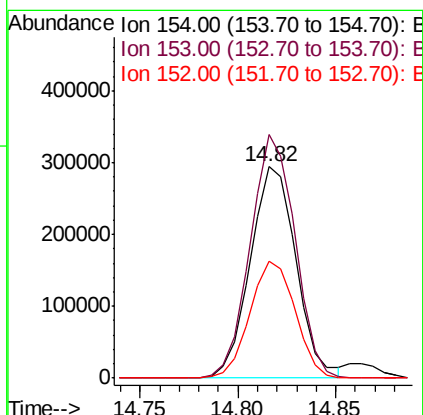
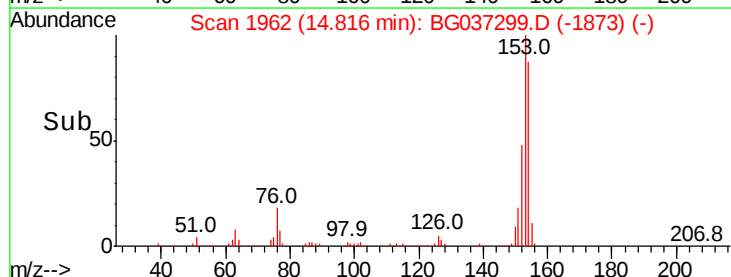
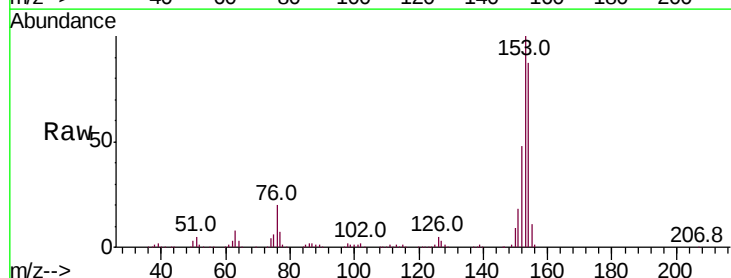
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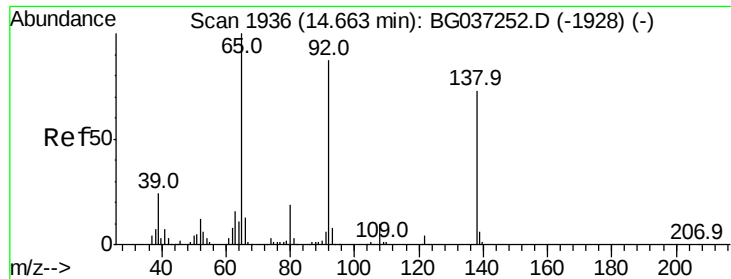
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#52
 Acenaphthene
 Concen: 42.974 ng
 RT: 14.82 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: BG037299.D
 Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	478778		
153	115.2	93.4	140.0	
152	55.4	44.7	67.1	





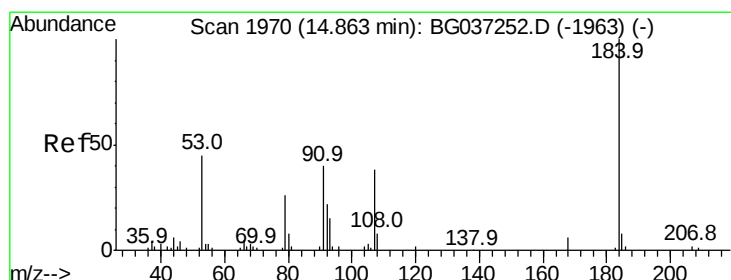
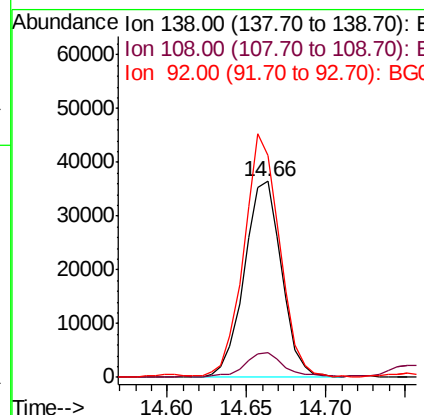
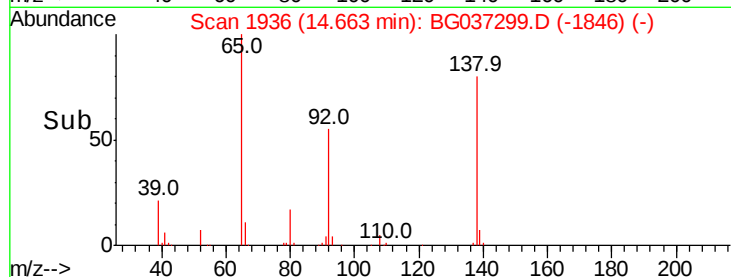
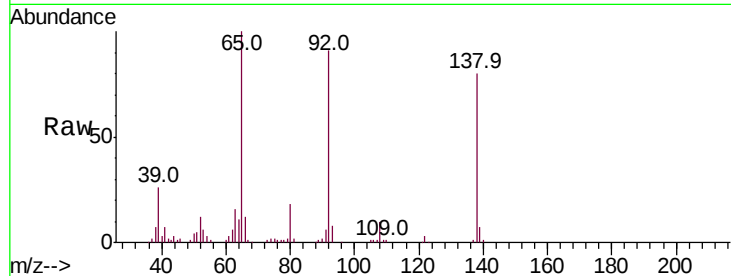
#53
3-Nitroaniline
Concen: 19.132 ng
RT: 14.66 min Scan# 1936
Delta R.T. 0.00 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	12.7	11.0	16.6
92	113.0	95.2	142.8

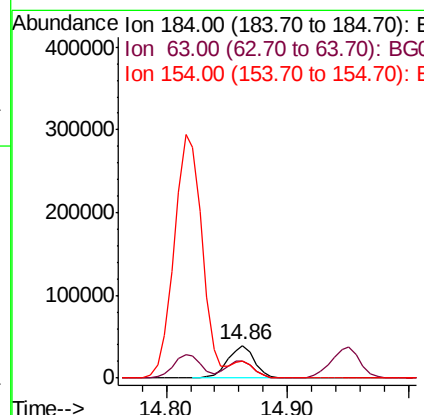
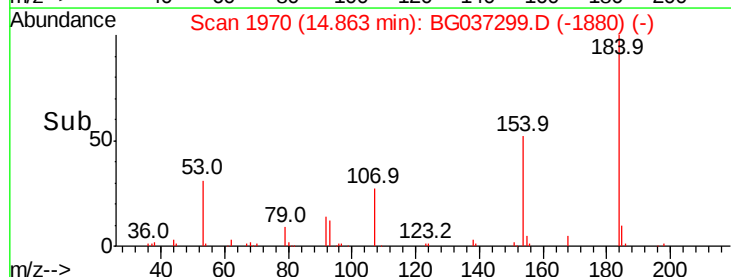
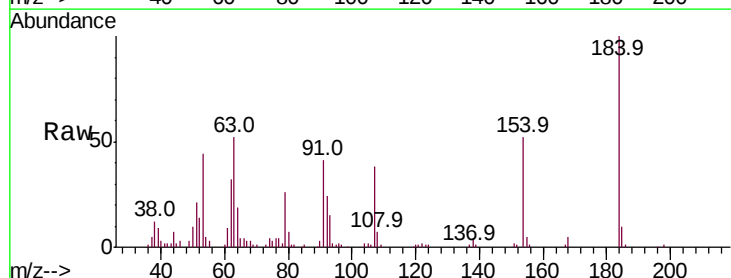
Manual Integrations
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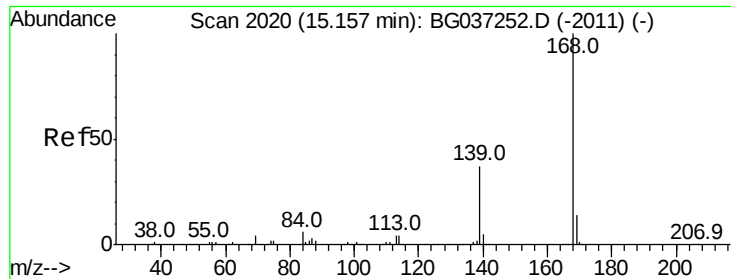
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#54
2,4-Dinitrophenol
Concen: 81.457 ng
RT: 14.86 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
184	100		
63	52.2	42.6	63.8
154	52.1	41.8	62.6





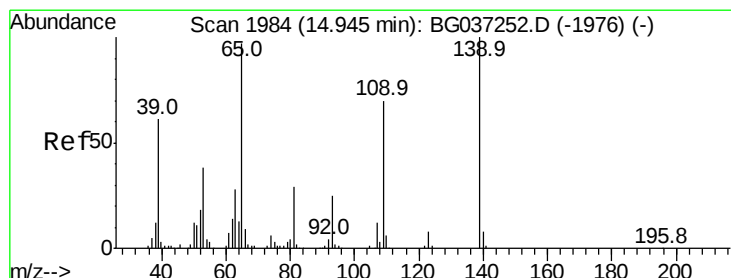
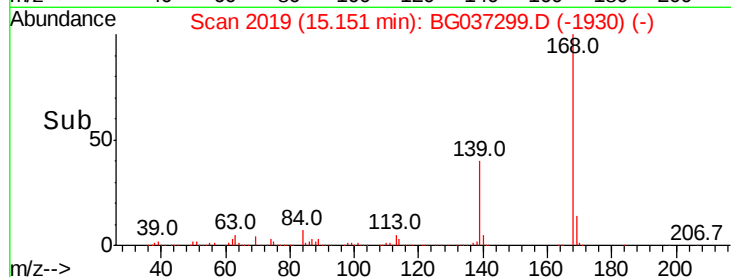
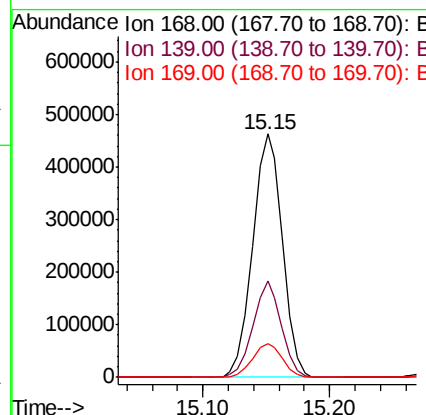
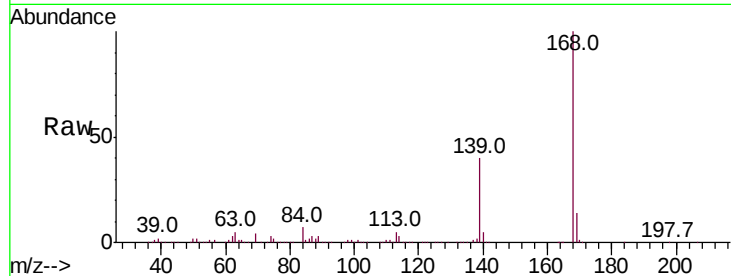
#55
Dibenzofuran
Concen: 41.575 ng
RT: 15.15 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.5	29.4	44.0
169	14.0	11.0	16.6

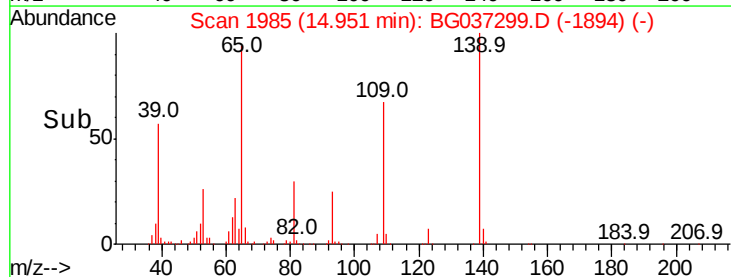
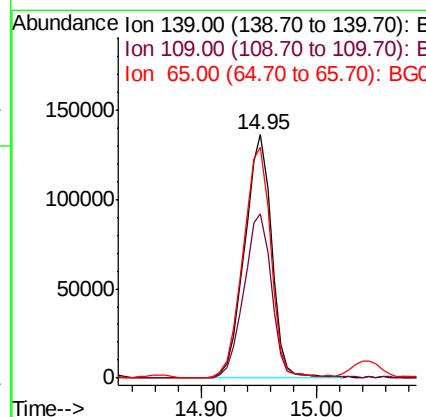
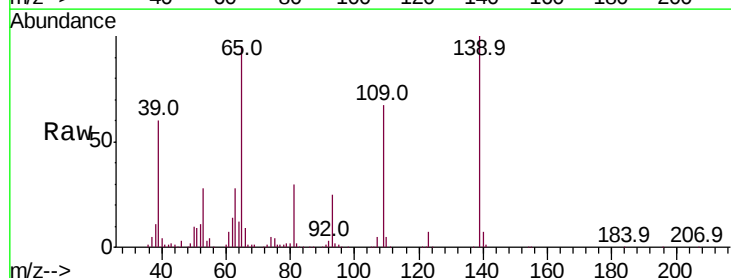
Manual Integrations
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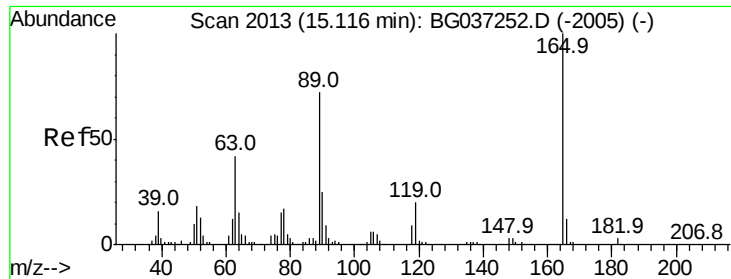
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#56
4-Nitrophenol
Concen: 91.011 ng
RT: 14.95 min Scan# 1985
Delta R.T. 0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
139	100		
109	67.4	49.5	89.5
65	94.8	76.8	116.8





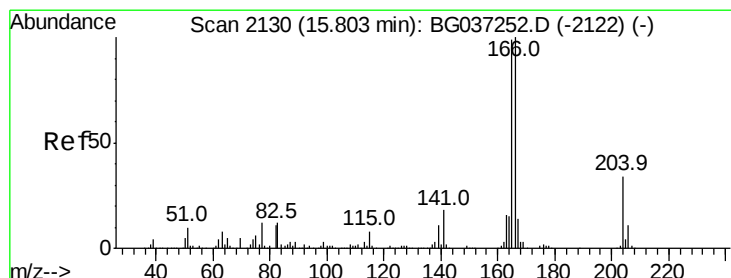
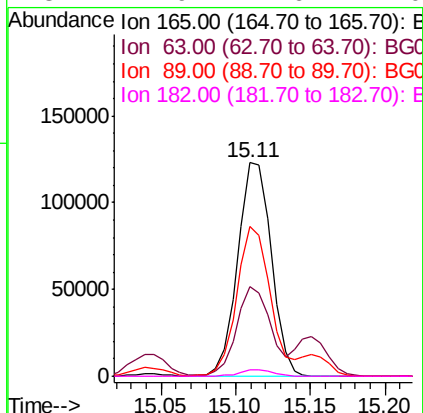
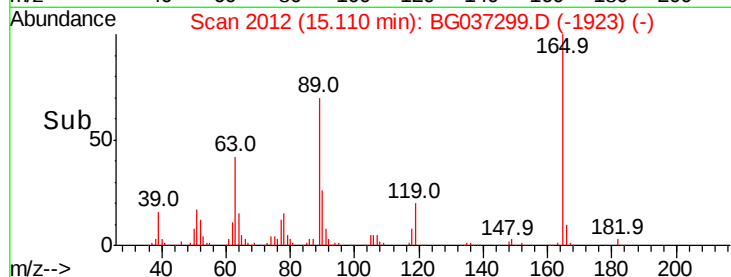
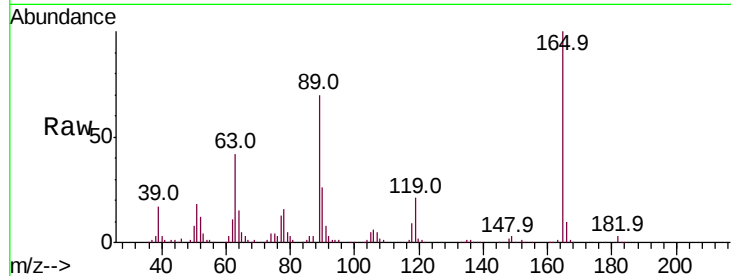
#57
 2,4-Dinitrotoluene
 Concen: 52.084 ng
 RT: 15.11 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BG037299.D
 Acq: 12 Oct 2018 20:17

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-DRUMMSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	192817		
63	42.0	33.4	50.0	
89	69.9	57.2	85.8	
182	2.9	2.6	4.0	

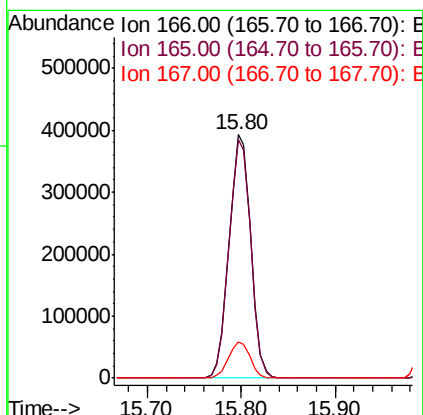
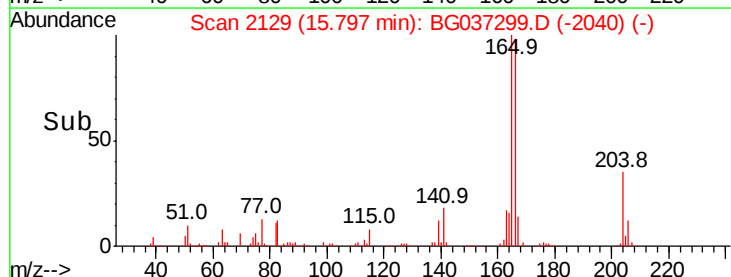
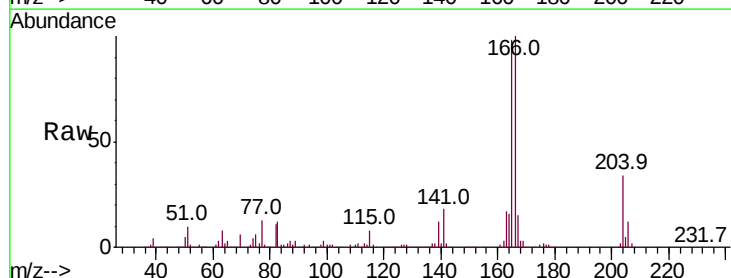
Manual Integrations
 APPROVED

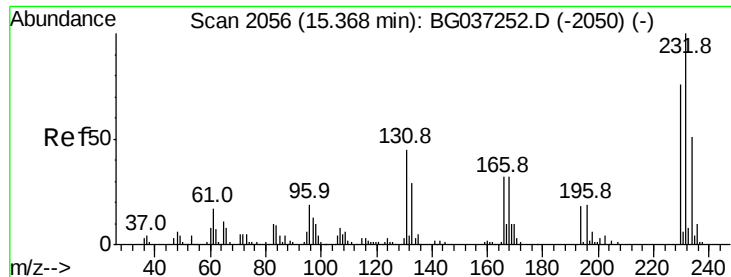
Sohil
 10/15/2018 12:59:12 PM



#58
 Fluorene
 Concen: 45.606 ng
 RT: 15.80 min Scan# 2129
 Delta R.T. -0.01 min
 Lab File: BG037299.D
 Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	623538		
165	97.9	79.0	118.6	
167	14.7	11.3	16.9	





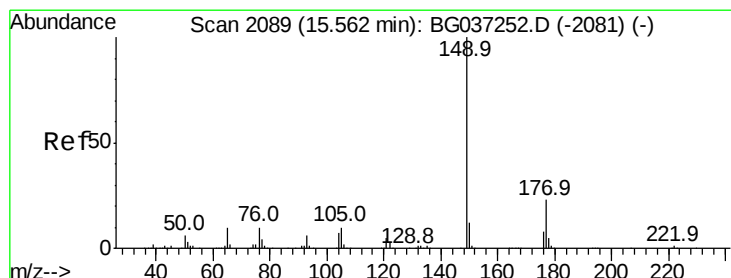
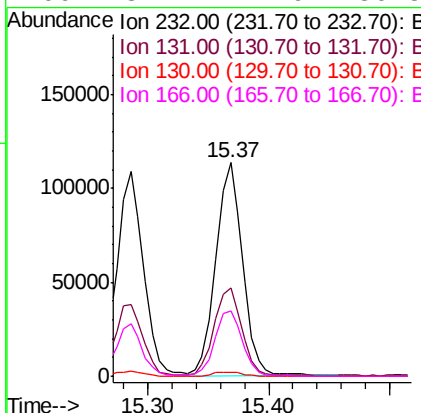
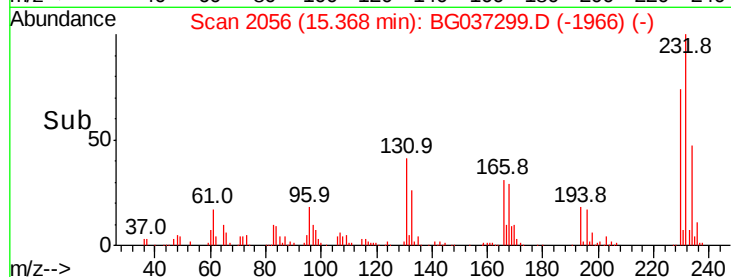
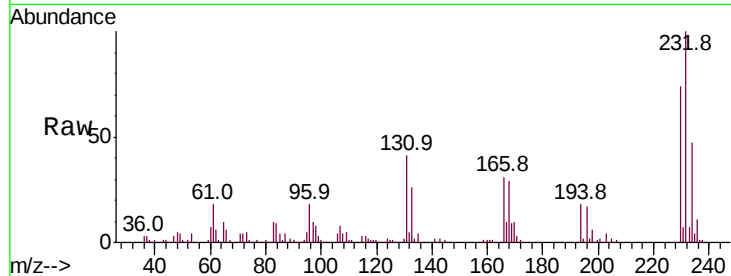
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.988 ng
RT: 15.37 min Scan# 2056
Delta R.T. -0.00 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

Tot Ion:	232	Resp:	173147
Ion Ratio	Lower	Upper	
232	100		
131	43.8	33.7	50.5
130	2.4	2.1	3.1
166	31.2	24.6	36.8

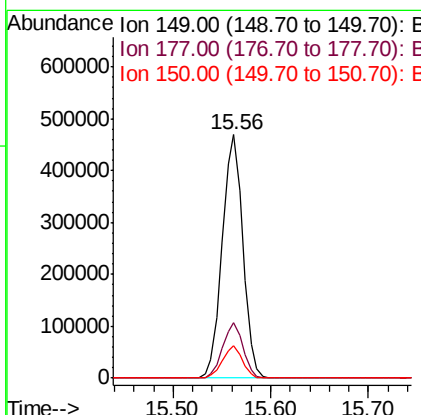
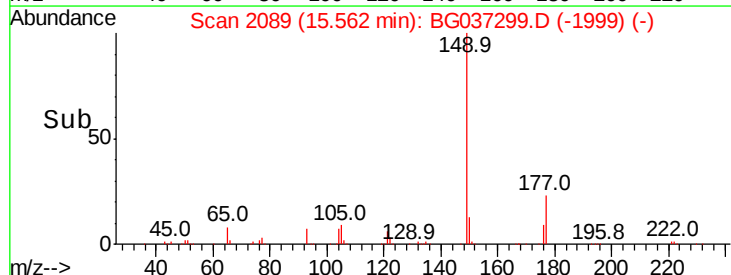
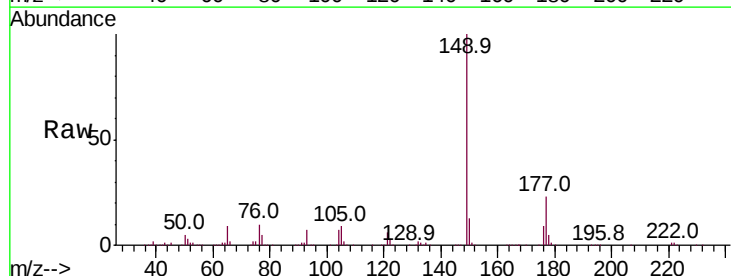
Manual Integrations
APPROVED

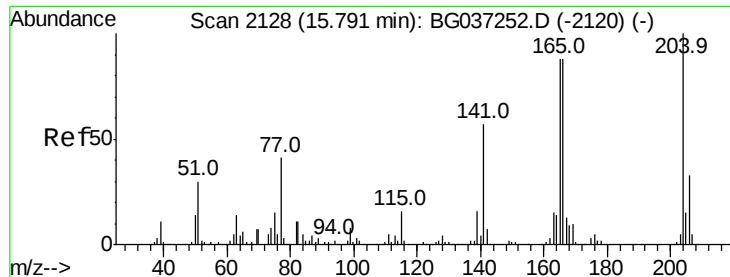
Sohil
10/15/2018 12:59:12 PM



#60
Diethylphthalate
Concen: 44.378 ng
RT: 15.56 min Scan# 2089
Delta R.T. -0.00 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion:	149	Resp:	685829
Ion Ratio	Lower	Upper	
149	100		
177	22.9	18.3	27.5
150	13.3	10.0	15.0





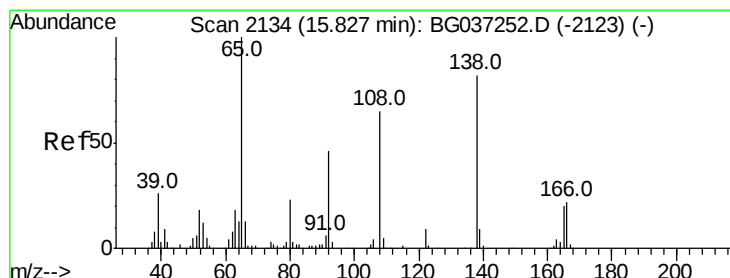
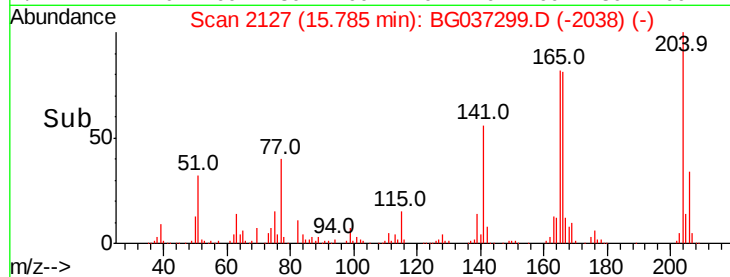
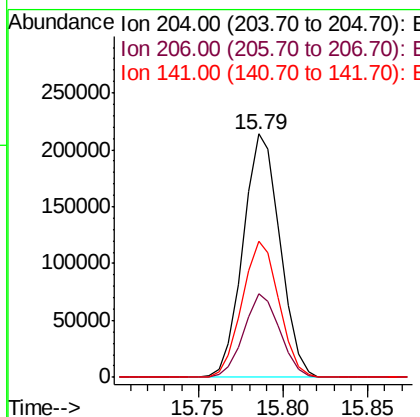
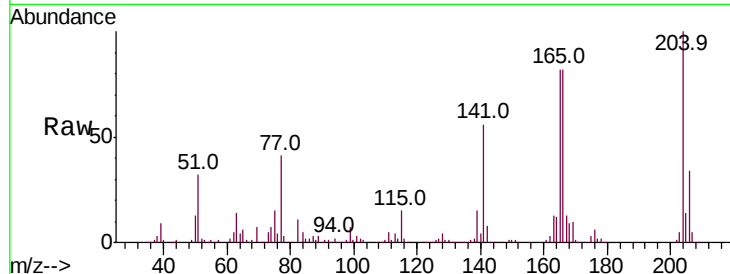
#61
4-Chlorophenyl-phenylether
Concen: 40.637 ng
RT: 15.79 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.3	26.6	39.8
141	55.9	45.4	68.2

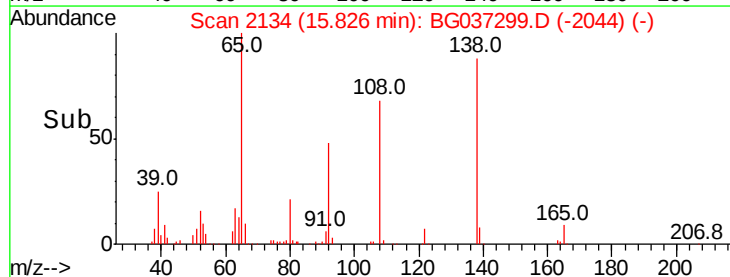
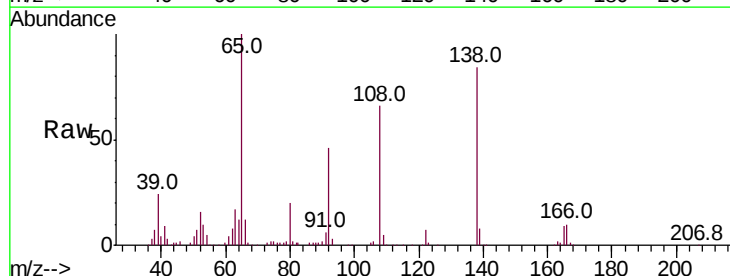
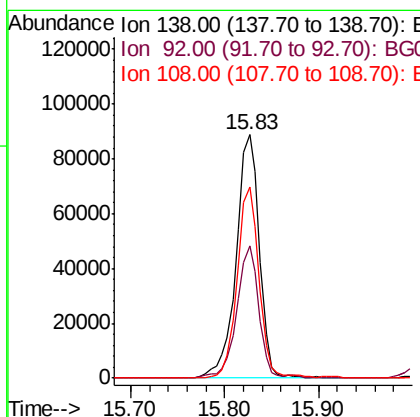
Manual Integrations
APPROVED

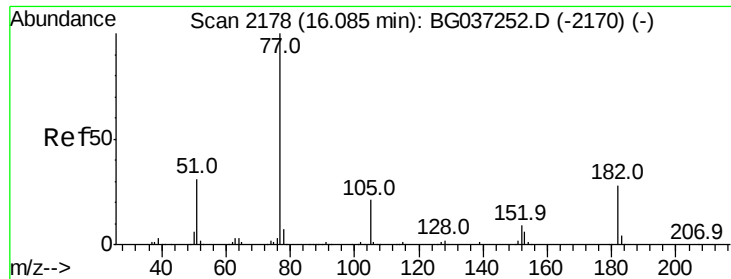
Sohil
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#62
4-Nitroaniline
Concen: 46.487 ng
RT: 15.83 min Scan# 2134
Delta R.T. 0.00 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
138	100		
92	54.2	36.4	76.4
108	78.6	60.1	100.1





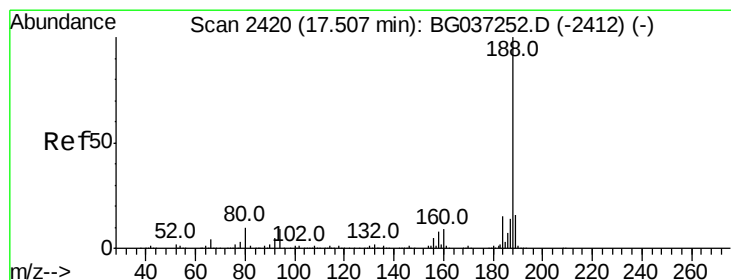
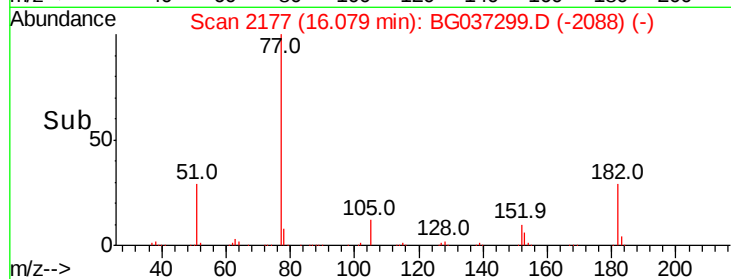
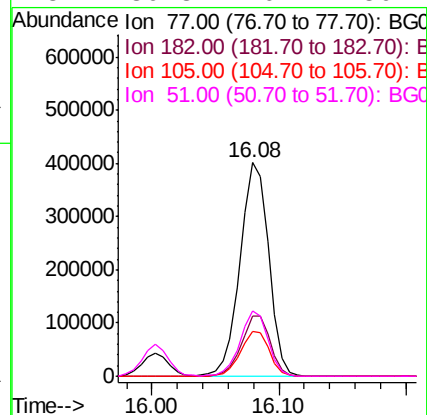
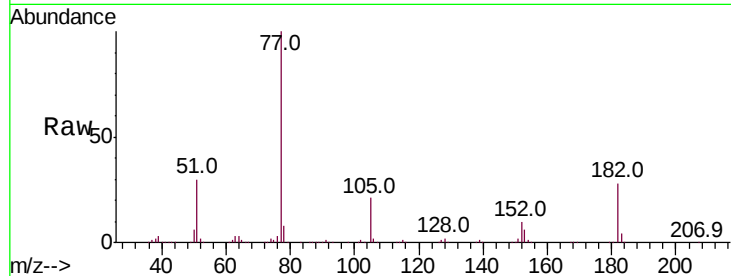
#63
Azobenzene
Concen: 42.241 ng
RT: 16.08 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	28.1	8.0	48.0
105	21.2	1.3	41.3
51	30.3	10.7	50.7

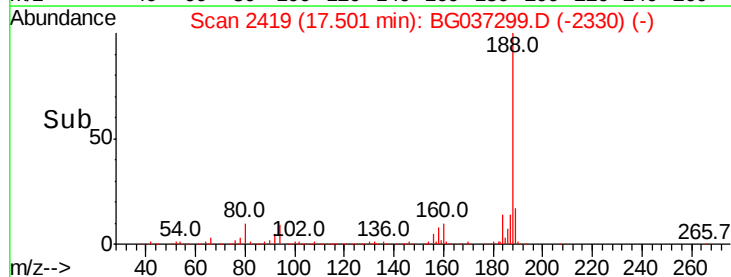
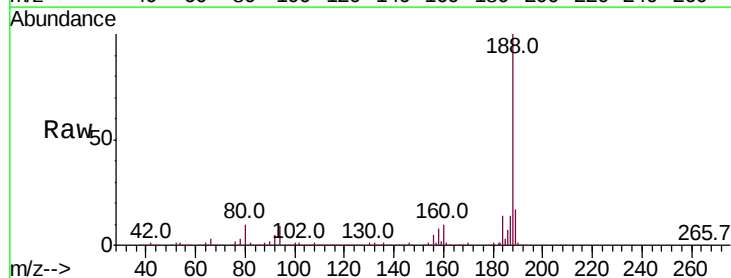
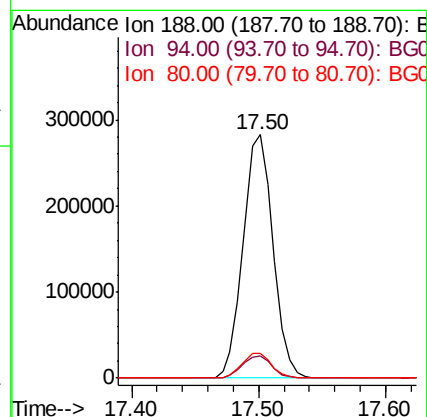
Manual Integrations
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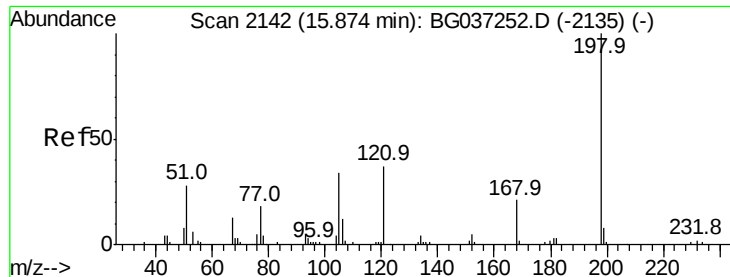
Sohil
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2419
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.2	10.8
80	10.2	7.7	11.5





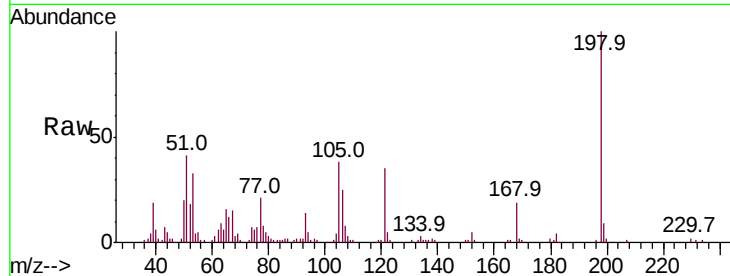
#65
4,6-Dinitro-2-methylphenol
Concen: 40.463 ng
RT: 15.87 min Scan# 2141
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

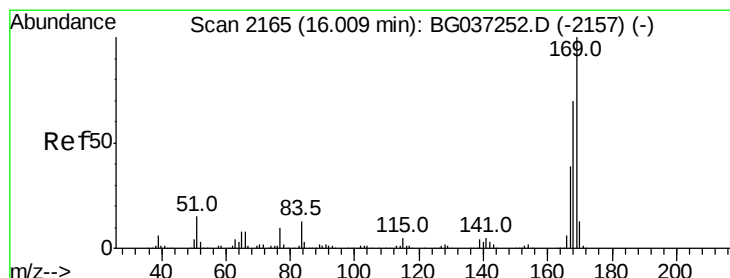
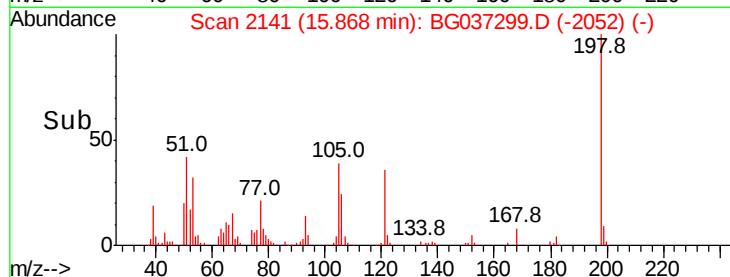
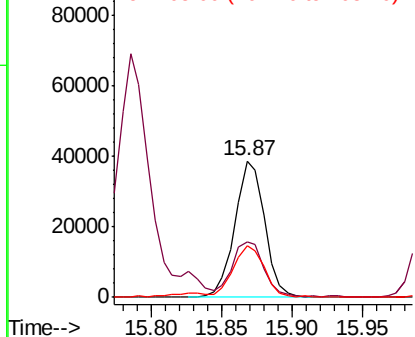
Tot Ion	Ratio	Lower	Upper
198	100		
51	41.2	22.7	62.7
105	38.4	19.7	59.7

Manual Integrations
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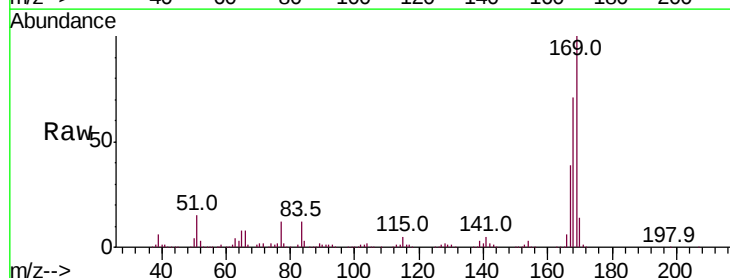


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

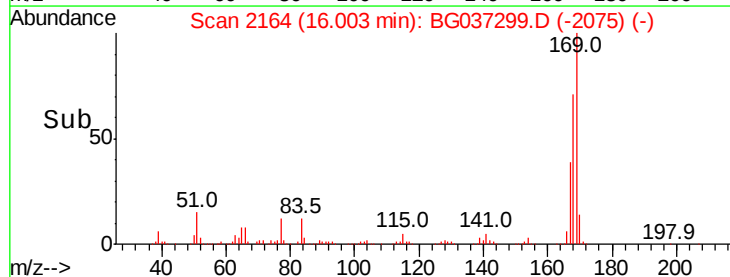
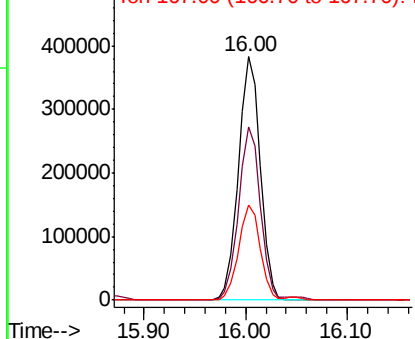


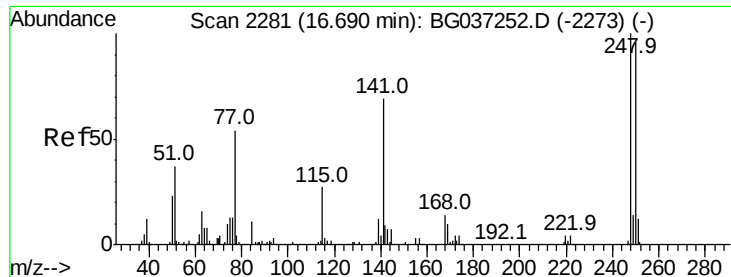
#66
n-Nitrosodiphenylamine
Concen: 42.319 ng
RT: 16.00 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
169	100		
168	71.1	55.7	83.5
167	39.2	31.3	46.9



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





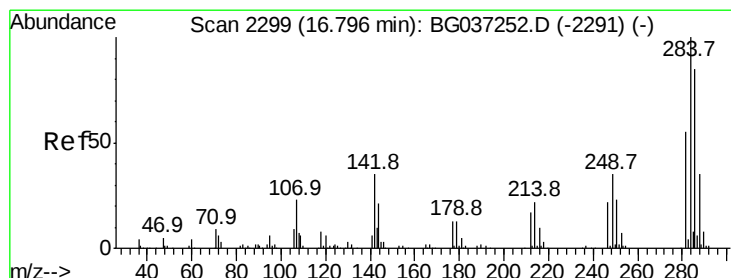
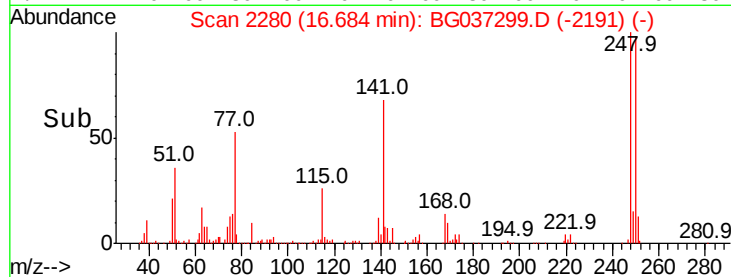
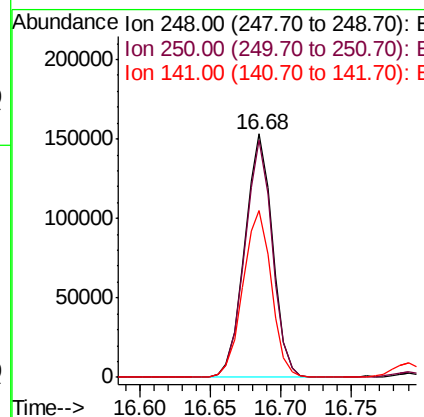
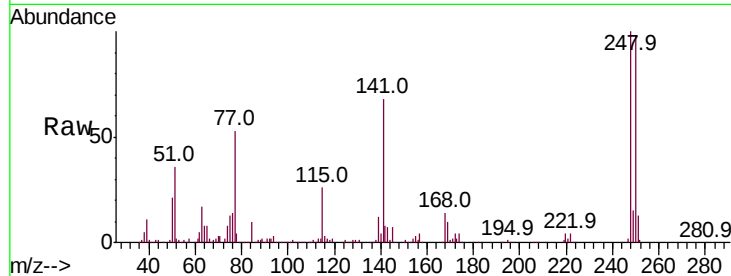
#67
 4-Bromophenyl-phenylether
 Concen: 42.431 ng
 RT: 16.68 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BG037299.D
 Acq: 12 Oct 2018 20:17

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-DRUMMSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.0	115.6
141	68.3	55.5	83.3

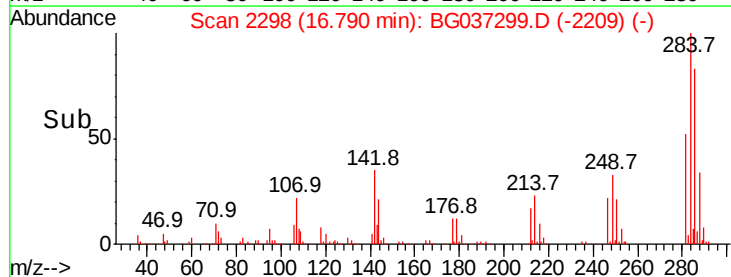
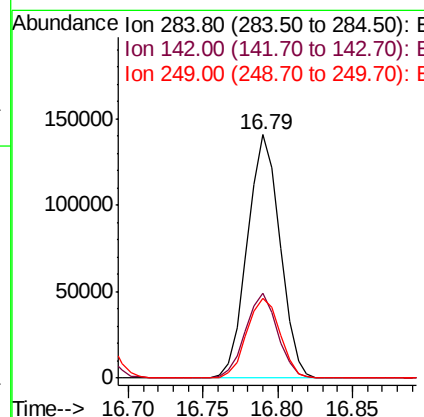
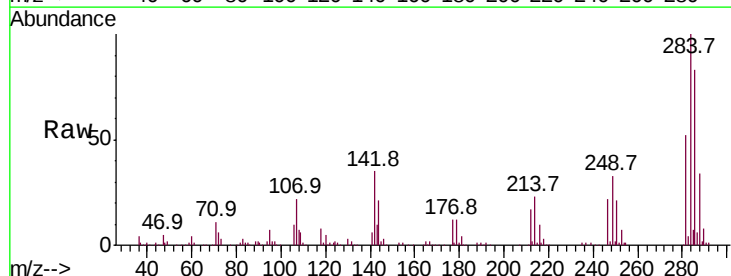
Manual Integrations
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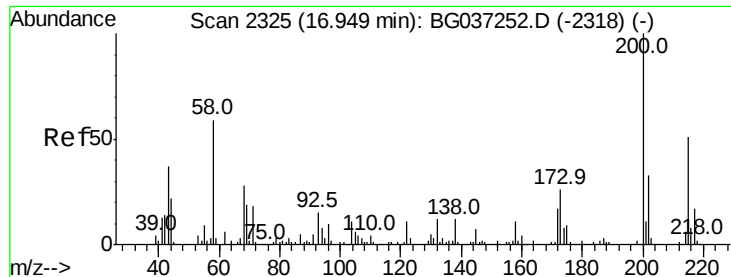
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#68
 Hexachlorobenzene
 Concen: 41.278 ng
 RT: 16.79 min Scan# 2298
 Delta R.T. -0.01 min
 Lab File: BG037299.D
 Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.8	28.1	42.1
249	35.5	29.8	44.8





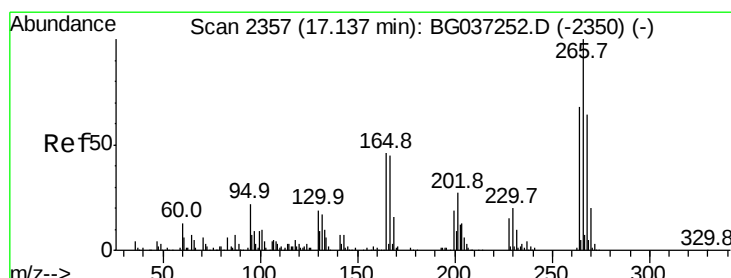
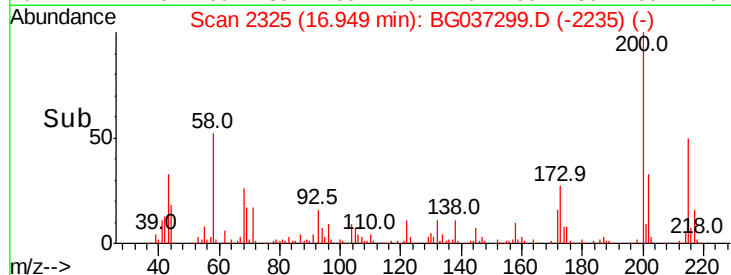
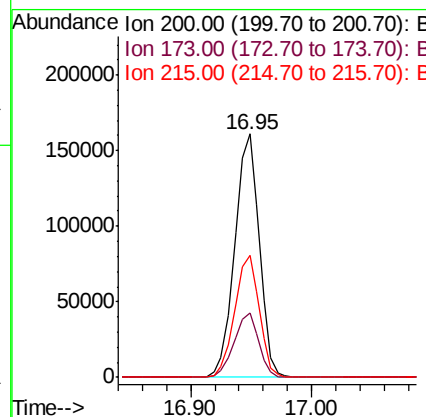
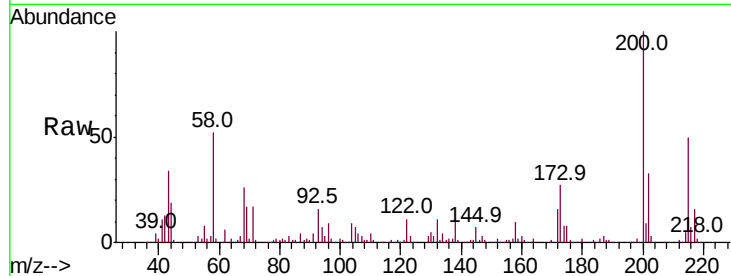
#69
Atrazine
Concen: 45.253 ng
RT: 16.95 min Scan# 2325
Delta R.T. -0.00 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	227441		
173	26.6	6.1	46.1	
215	50.2	30.8	70.8	

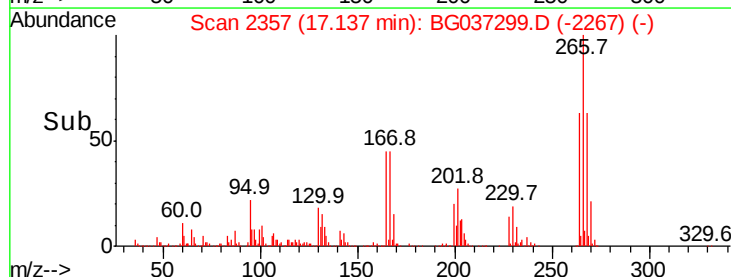
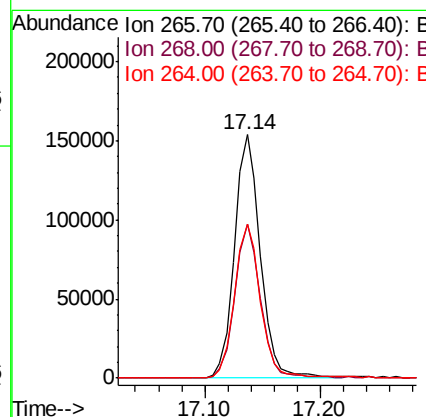
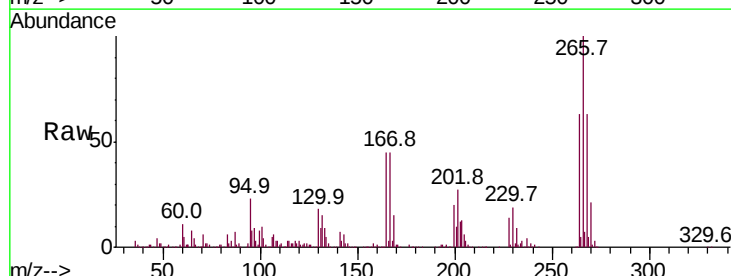
Manual Integrations
APPROVED

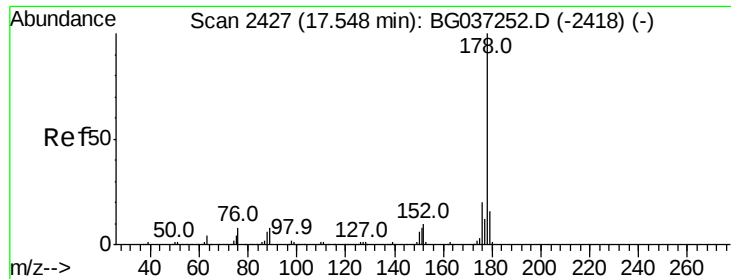
Sohil
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#70
Pentachlorophenol
Concen: 71.672 ng
RT: 17.14 min Scan# 2357
Delta R.T. 0.00 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	238265		
268	67.9	55.0	82.6	
264	68.2	58.9	88.3	





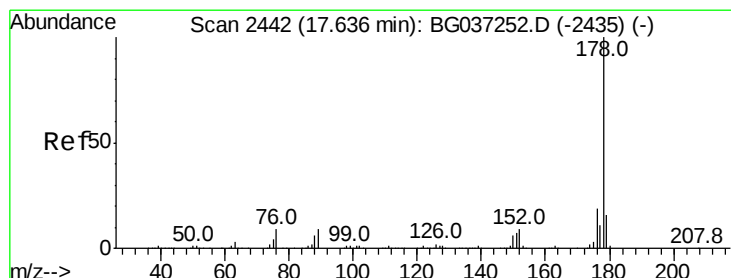
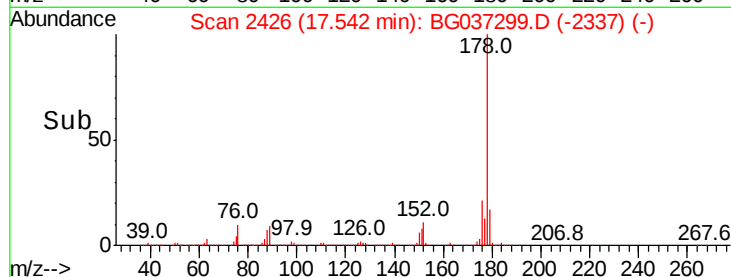
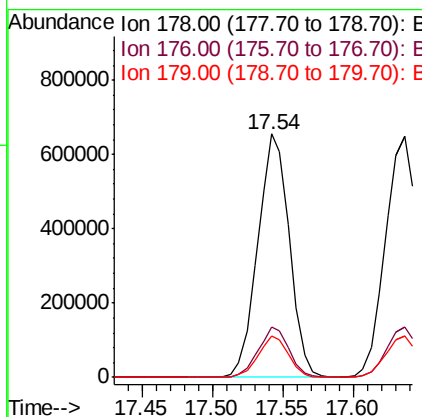
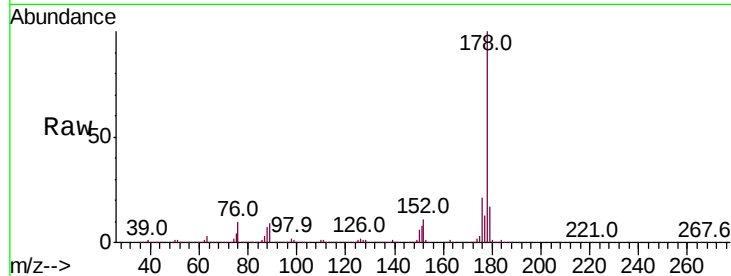
#71
Phenanthrene
Concen: 43.956 ng
RT: 17.54 min Scan# 2426
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

Tot Ion:178 Resp: 1030328
Ion Ratio Lower Upper
178 100
176 20.7 16.1 24.1
179 17.1 13.0 19.4

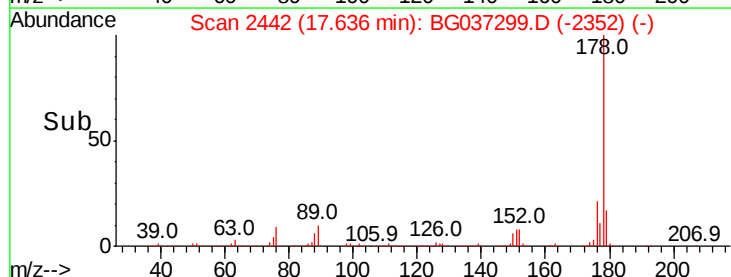
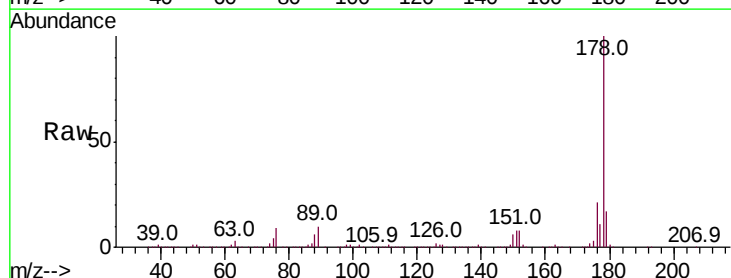
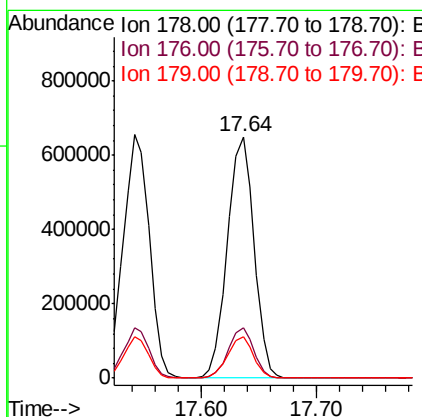
Manual Integrations
APPROVED

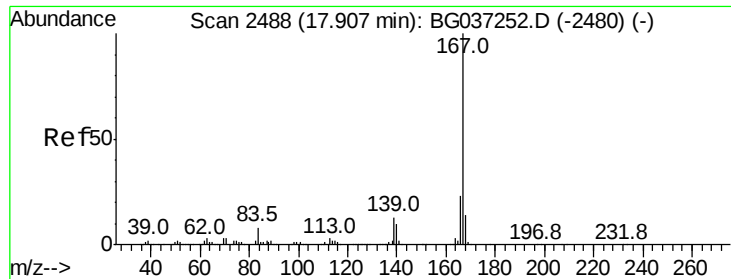
Sohil
10/15/2018 12:59:12 PM



#72
Anthracene
Concen: 45.337 ng
RT: 17.64 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion:178 Resp: 1040160
Ion Ratio Lower Upper
178 100
176 20.7 15.0 22.4
179 17.2 12.8 19.2





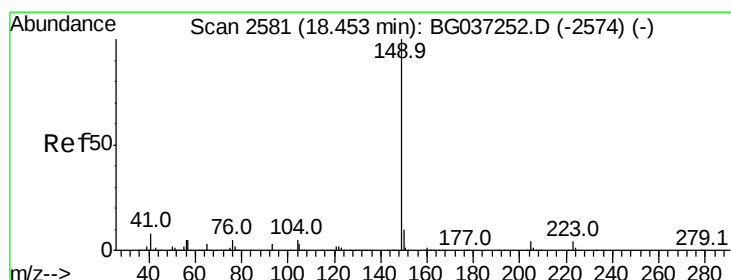
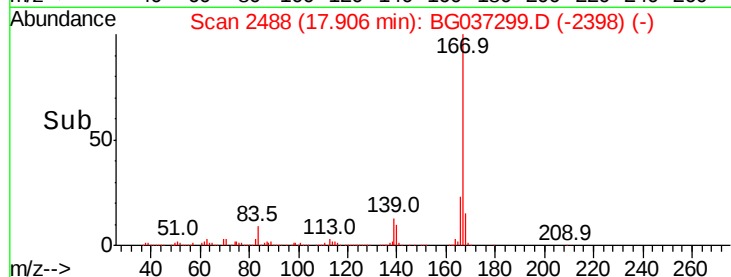
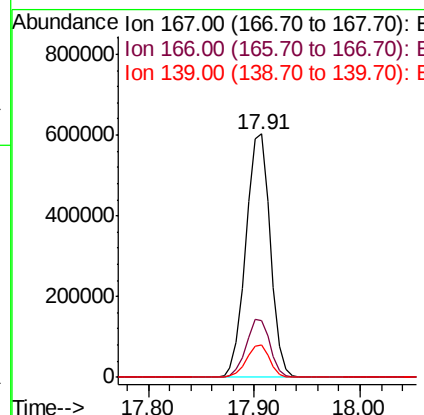
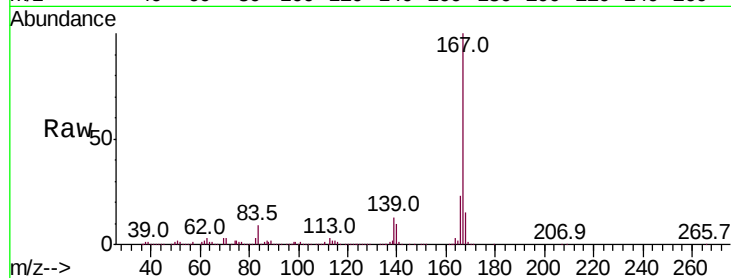
#73
 Carbazole
 Concen: 40.789 ng
 RT: 17.91 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: BG037299.D
 Acq: 12 Oct 2018 20:17

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-DRUMMSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.5	18.3	27.5
139	13.1	10.5	15.7

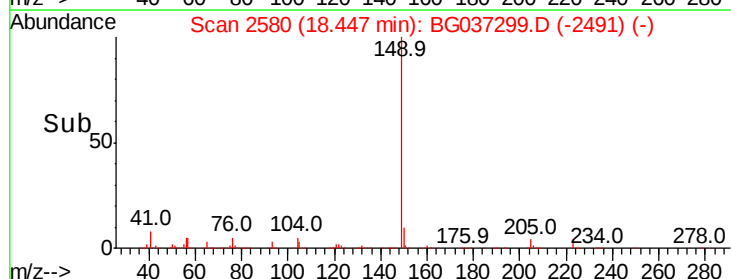
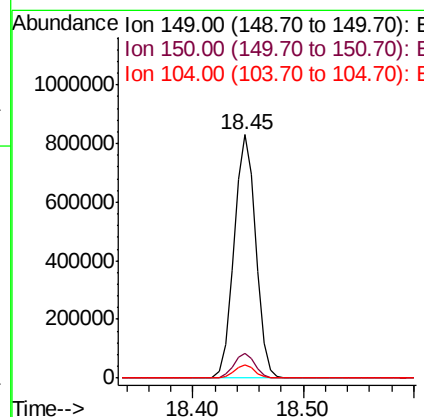
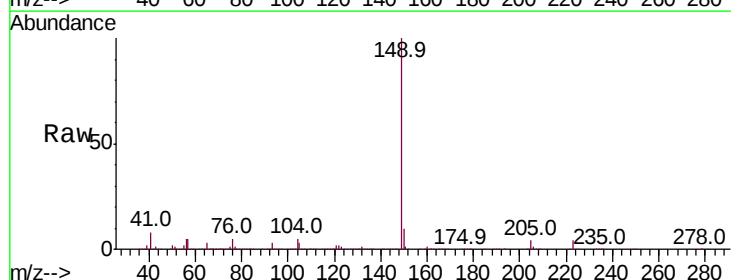
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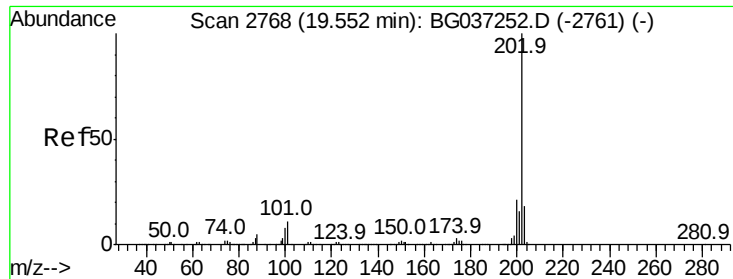
Sohil
 10/15/2018 12:59:12 PM



#74
 Di-n-butylphthalate
 Concen: 45.134 ng
 RT: 18.45 min Scan# 2580
 Delta R.T. -0.01 min
 Lab File: BG037299.D
 Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.4	8.2	12.2
104	5.4	4.0	6.0





#75

Fluoranthene

Concen: 43.464 ng

RT: 19.55 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BG037299.D

Acq: 12 Oct 2018 20:17

Instrument :

BNA_G

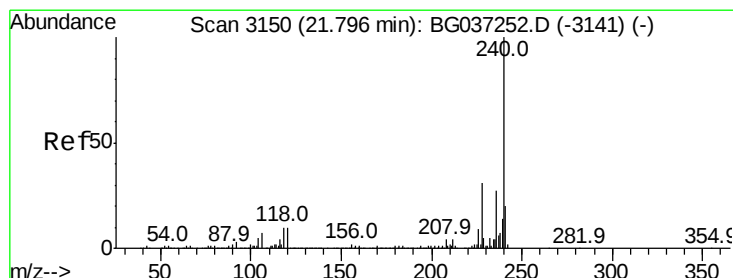
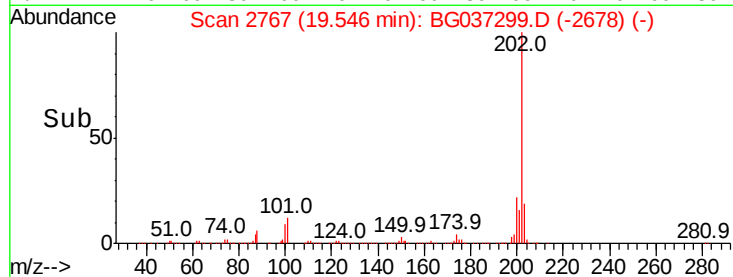
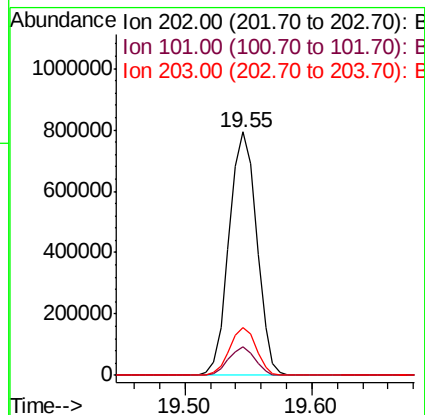
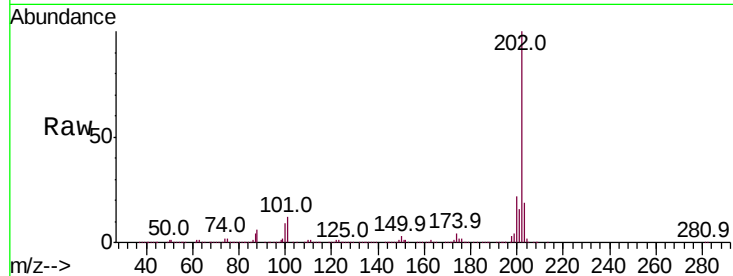
ClientSampleId :

SOIL-DRUMMSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1190732		
101	11.5	0.0	30.7	
203	19.5	0.0	38.5	

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#76

Chrysene-d12

Concen: 20.000 ng

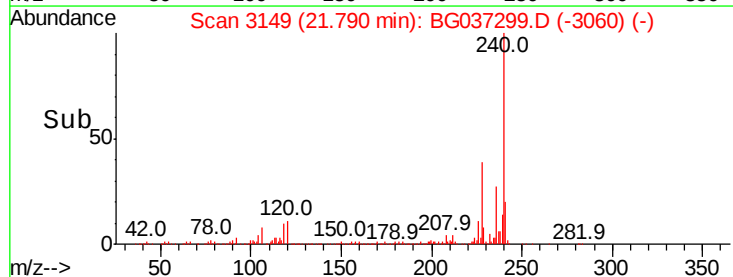
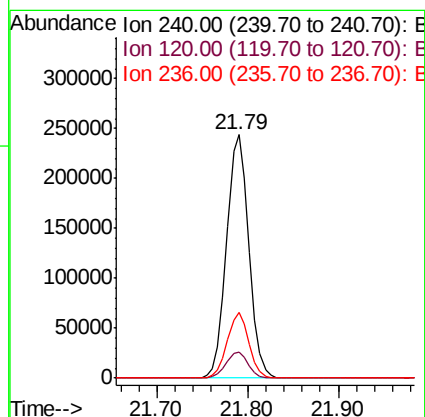
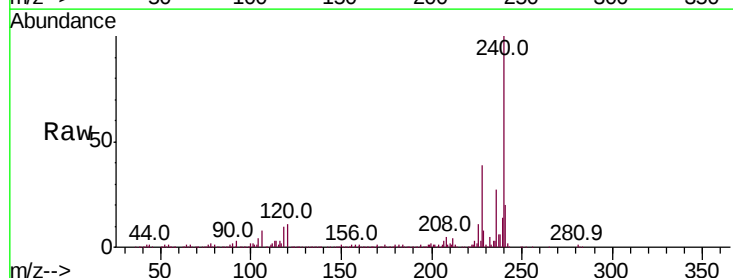
RT: 21.79 min Scan# 3149

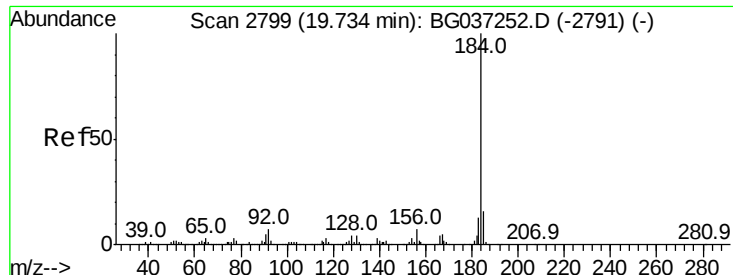
Delta R.T. -0.01 min

Lab File: BG037299.D

Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	414011		
120	10.6	8.1	12.1	
236	26.8	21.4	32.0	





#77

Benzidine

Concen: 12.336 ng

RT: 19.73 min Scan# 2798

Delta R.T. -0.01 min

Lab File: BG037299.D

Acq: 12 Oct 2018 20:17

Instrument :

BNA_G

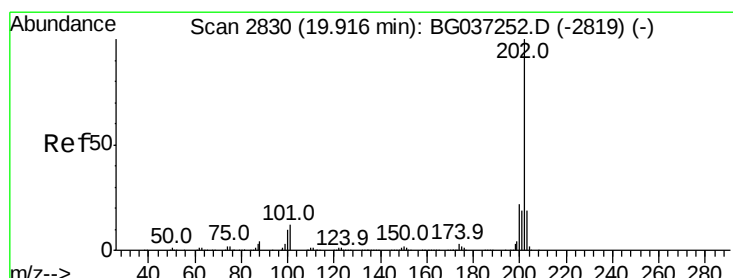
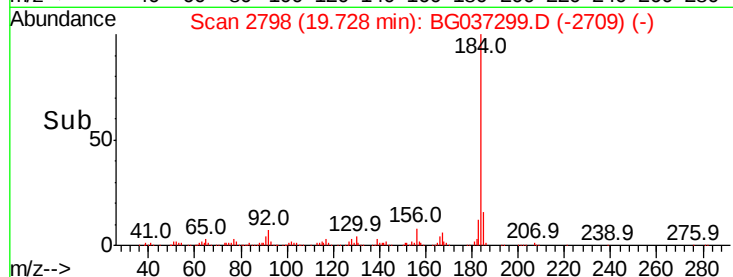
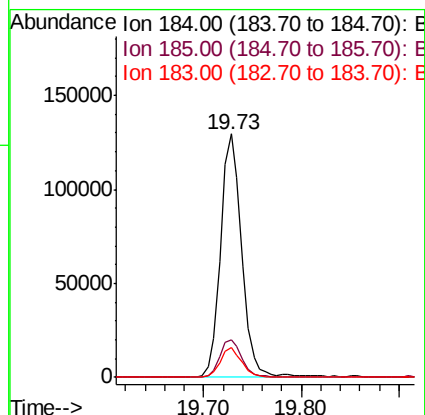
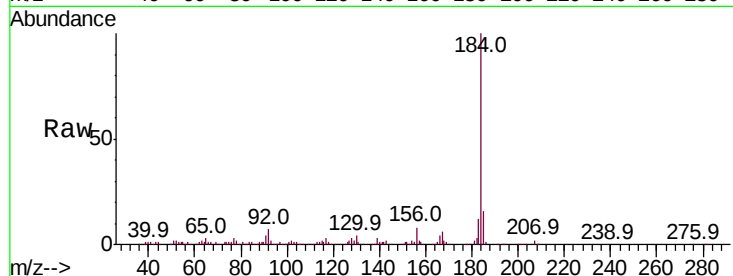
ClientSampleId :

SOIL-DRUMMSD

Tot Ion:	184	Resp:	195380
Ion Ratio	Lower	Upper	
184	100		
185	15.5	12.6	18.8
183	12.2	10.2	15.2

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#78

Pyrene

Concen: 44.024 ng

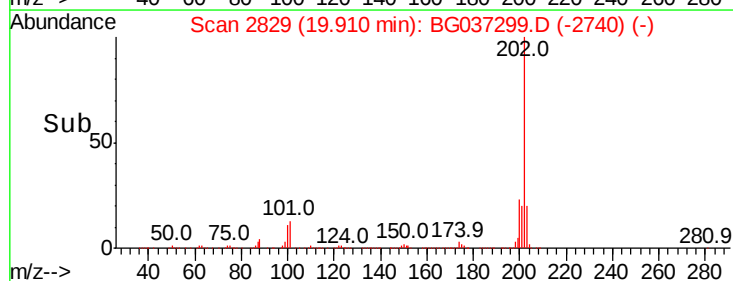
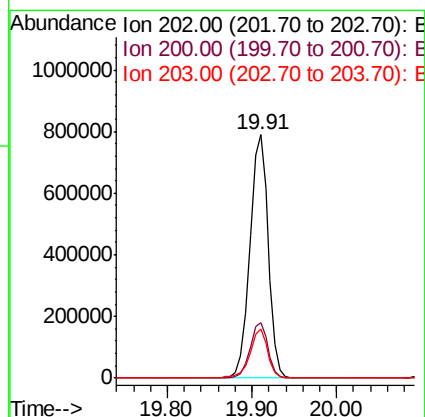
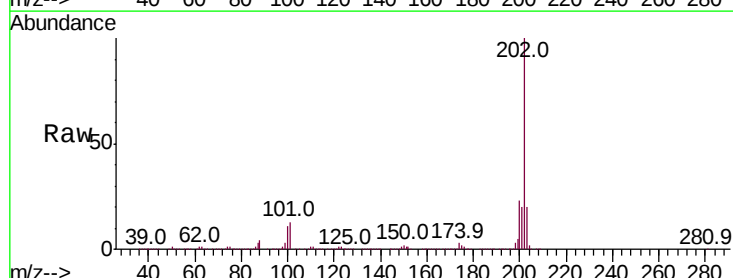
RT: 19.91 min Scan# 2829

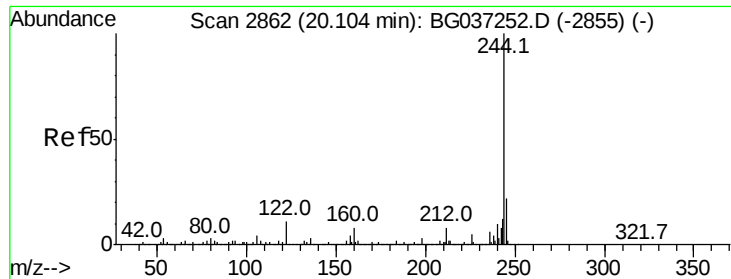
Delta R.T. -0.01 min

Lab File: BG037299.D

Acq: 12 Oct 2018 20:17

Tgt Ion:	202	Resp:	1187899
Ion Ratio	Lower	Upper	
202	100		
200	22.6	17.8	26.6
203	20.0	15.2	22.8





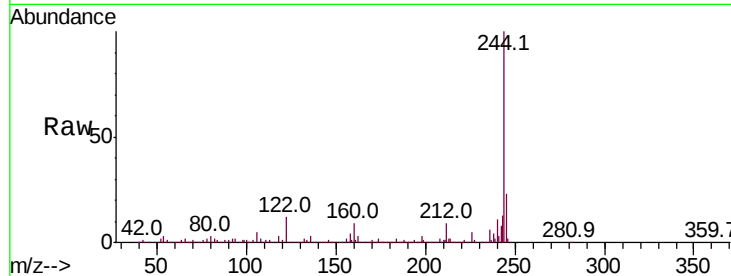
#79
 Terphenyl-d14
 Concen: 74.637 ng
 RT: 20.10 min Scan# 2861
 Delta R.T. -0.01 min
 Lab File: BG037299.D
 Acq: 12 Oct 2018 20:17

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-DRUMMSD

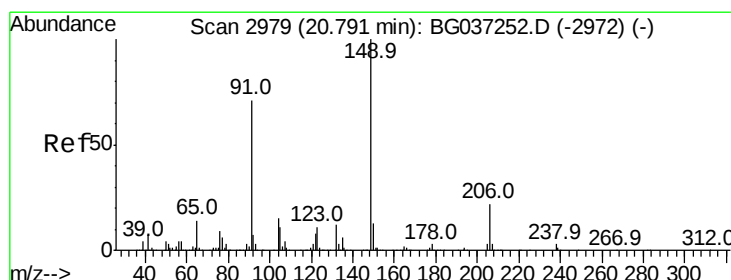
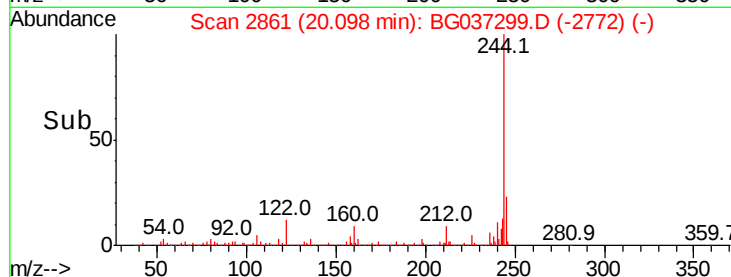
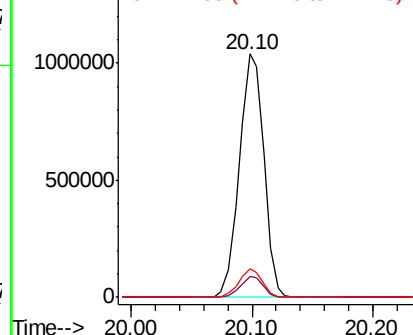
Tot Ion	Ratio	Lower	Upper
244	100		
212	8.8	6.5	9.7
122	11.8	9.0	13.4

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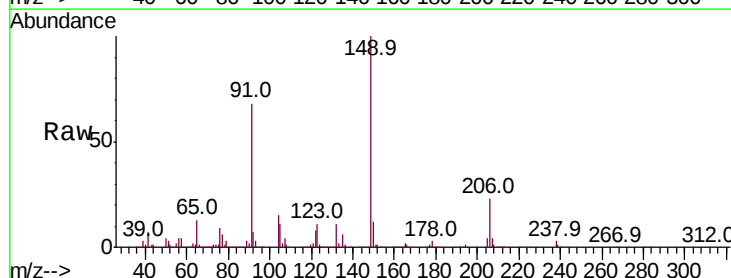


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

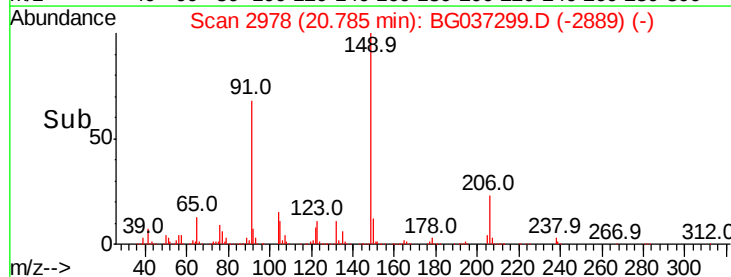
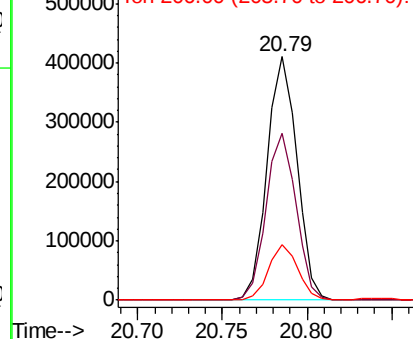


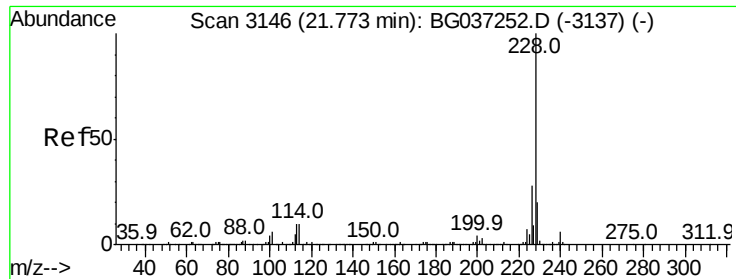
#80
 Butylbenzylphthalate
 Concen: 48.231 ng
 RT: 20.79 min Scan# 2978
 Delta R.T. -0.01 min
 Lab File: BG037299.D
 Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
149	100		
91	68.4	57.0	85.4
206	22.6	17.8	26.6



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





#81

Benzo(a)anthracene

Concen: 45.581 ng

RT: 21.77 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG037299.D

Acq: 12 Oct 2018 20:17

Instrument :

BNA_G

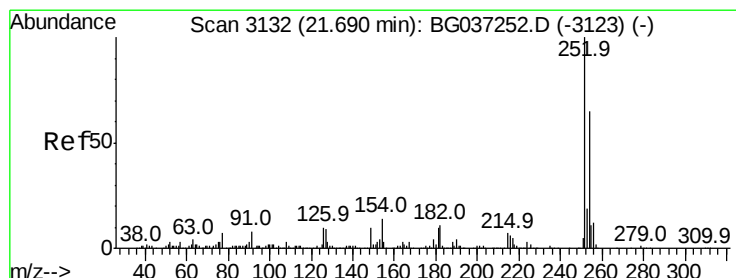
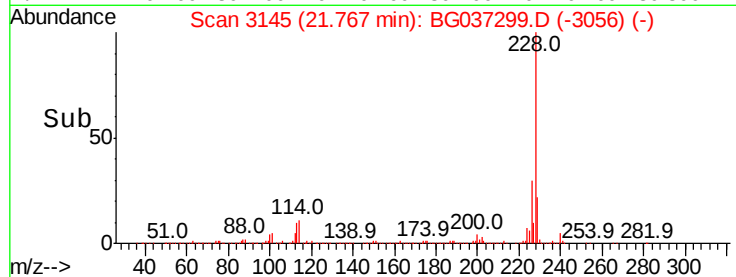
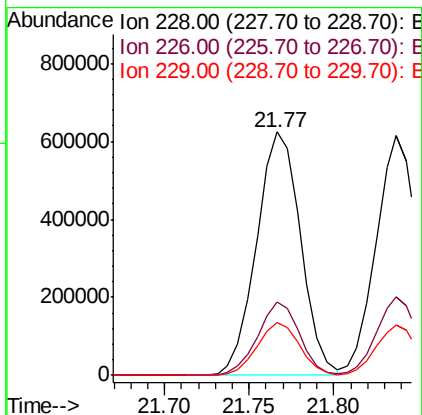
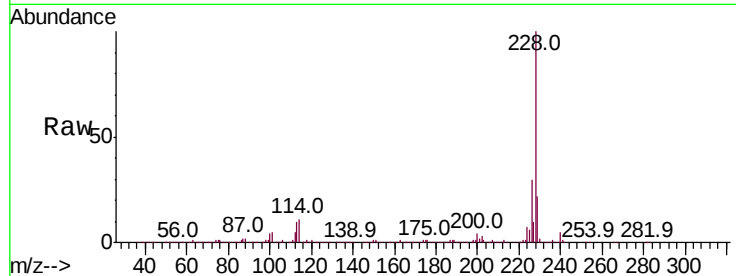
ClientSampleId :

SOIL-DRUMMSD

Tot Ion:	228	Resp:	1130208
Ion Ratio	Lower	Upper	
228	100		
226	30.0	22.6	33.8
229	21.7	16.3	24.5

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#82

3,3'-Dichlorobenzidine

Concen: 19.645 ng

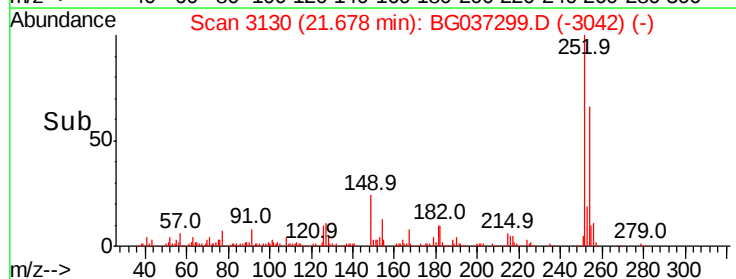
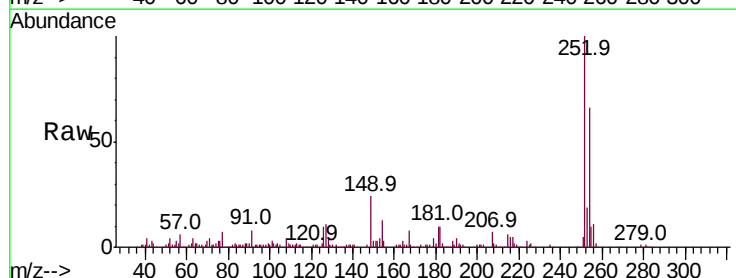
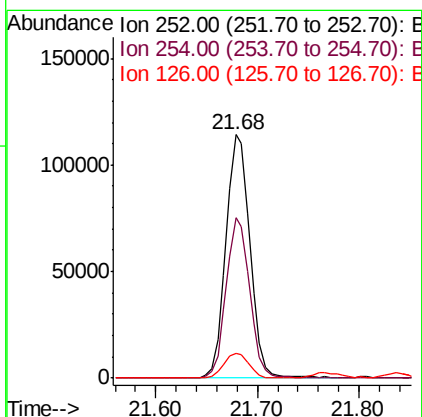
RT: 21.68 min Scan# 3130

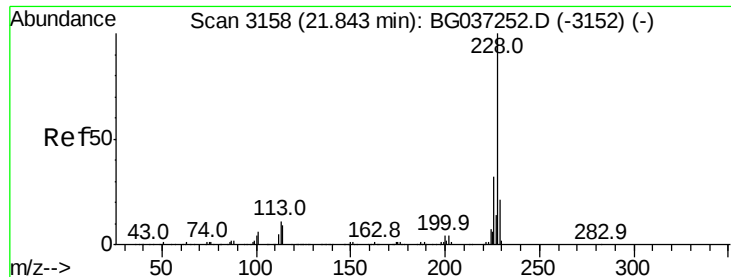
Delta R.T. -0.01 min

Lab File: BG037299.D

Acq: 12 Oct 2018 20:17

Tgt Ion:	252	Resp:	187901
Ion Ratio	Lower	Upper	
252	100		
254	66.0	52.0	78.0
126	10.3	8.2	12.4





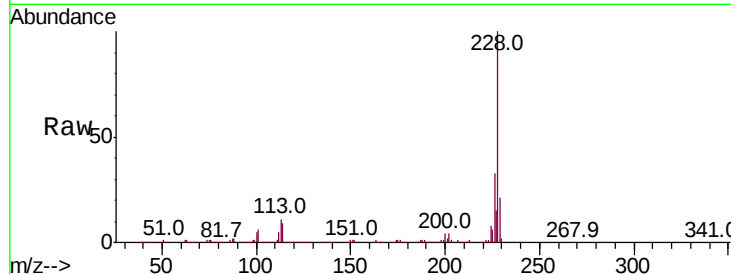
#83
Chrysene
Concen: 44.322 ng
RT: 21.84 min Scan# 3157
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.9	25.7	38.5
229	21.1	16.5	24.7

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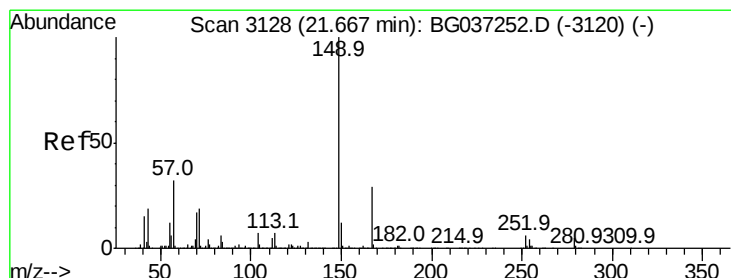
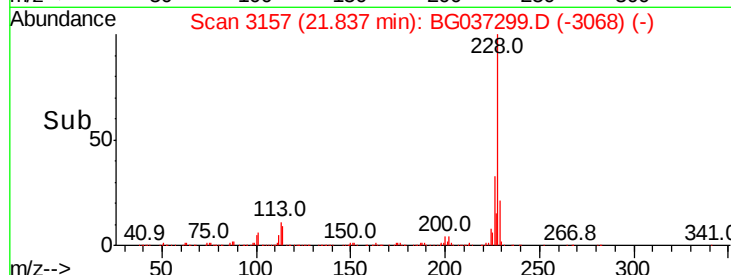
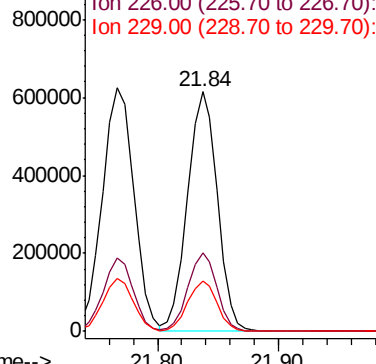


Abundance

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



#84
Bis(2-ethylhexyl)phthalate
Concen: 47.871 ng
RT: 21.65 min Scan# 3126
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

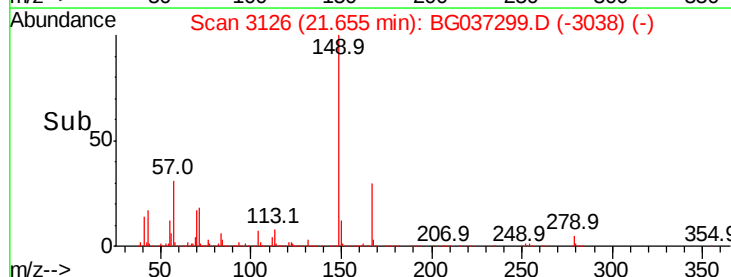
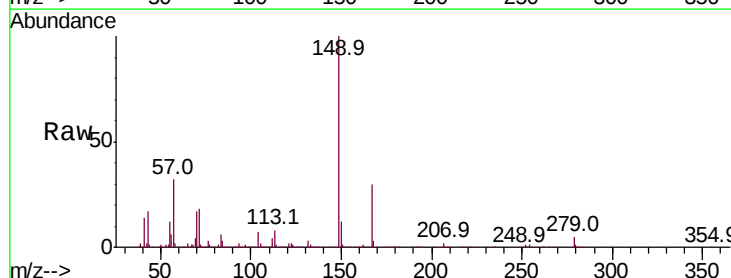
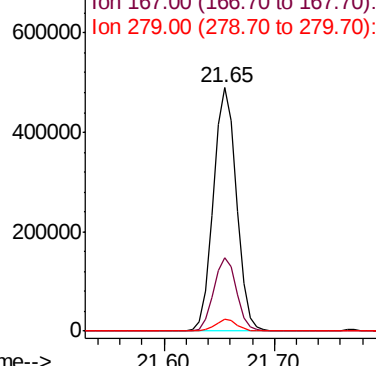
Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.3	23.0	34.4
279	4.9	3.6	5.4

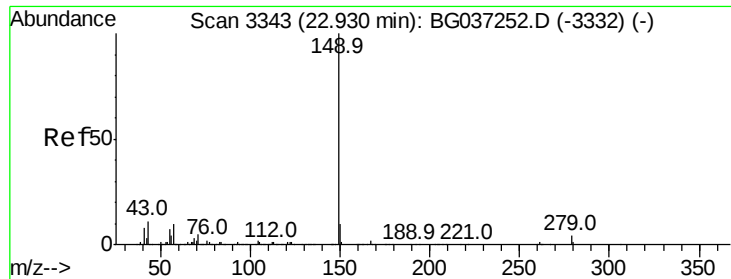
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





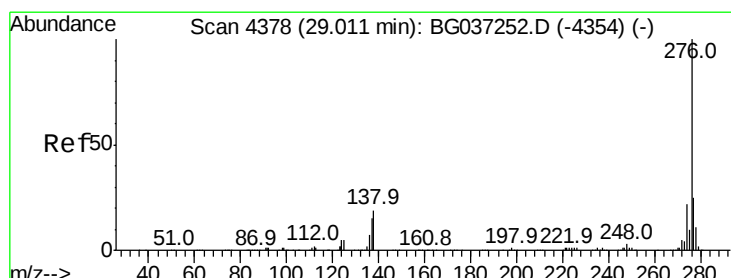
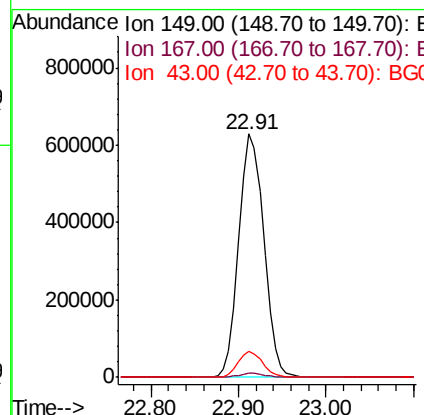
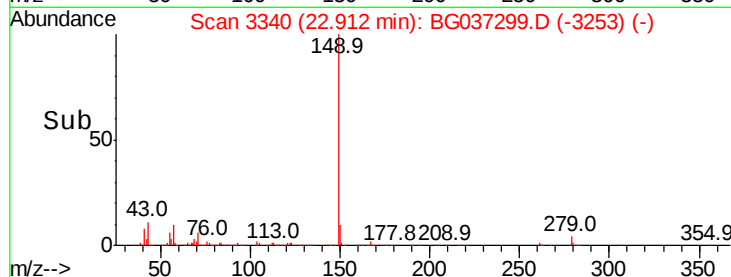
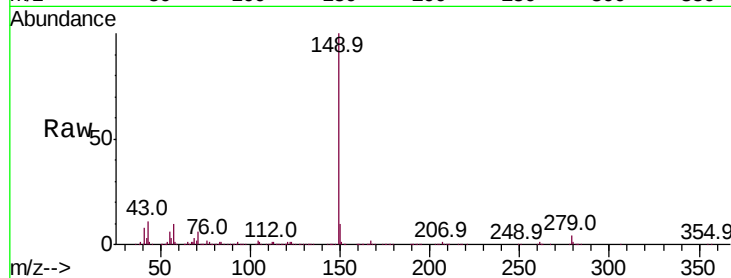
#85
Di-n-octyl phthalate
Concen: 49.880 ng
RT: 22.91 min Scan# 3340
Delta R.T. -0.02 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

Tot Ion:149 Resp: 1220466
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 10.5 8.7 13.1

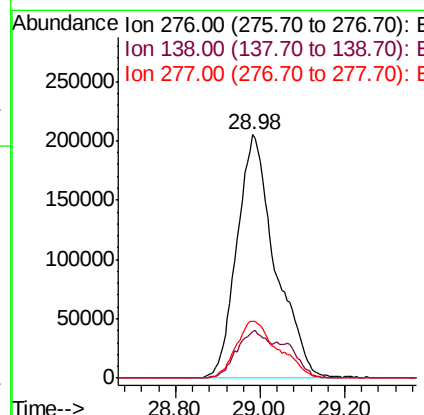
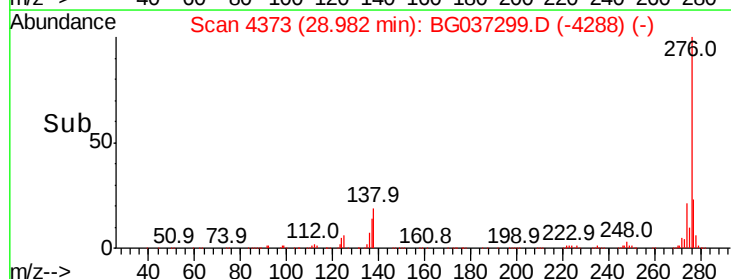
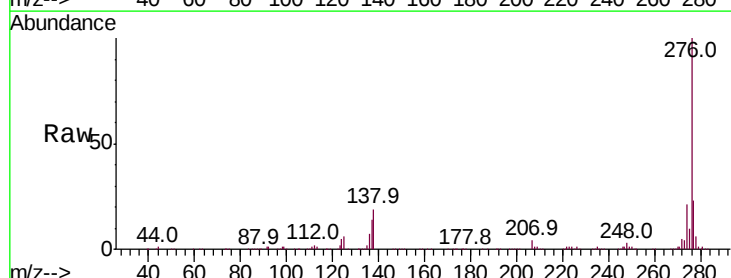
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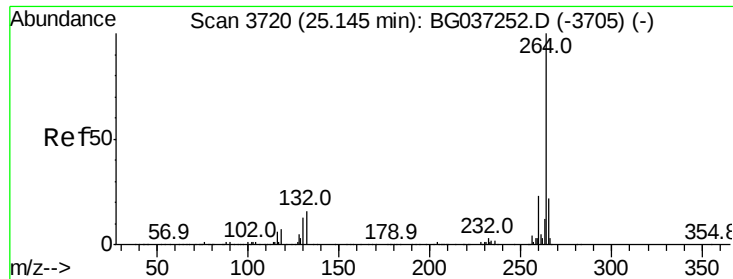
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#86
Indeno(1,2,3-cd)pyrene
Concen: 49.045 ng
RT: 28.98 min Scan# 4373
Delta R.T. -0.03 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion:276 Resp: 1285802
Ion Ratio Lower Upper
276 100
138 16.9 12.0 18.0
277 25.7 20.6 30.8





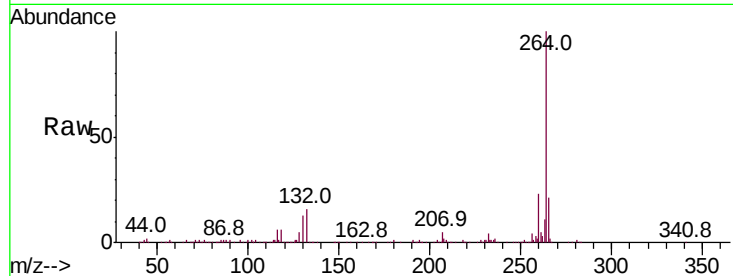
#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.13 min Scan# 3718
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.2	27.4
265	21.0	17.9	26.9

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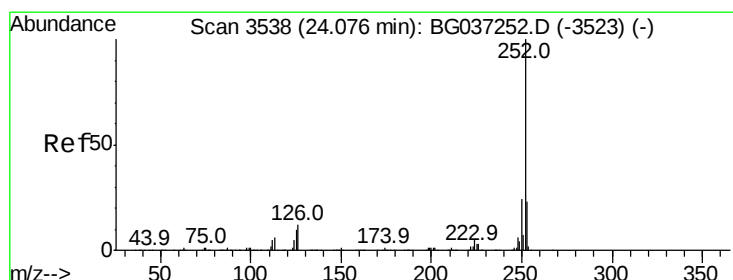
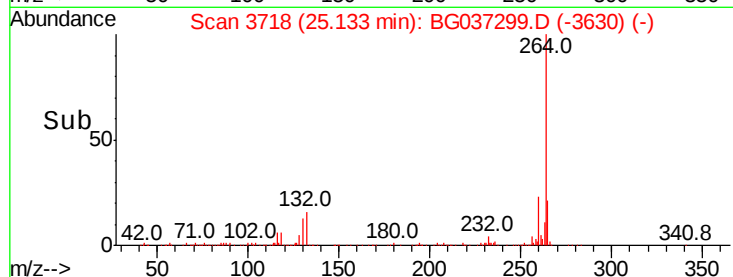
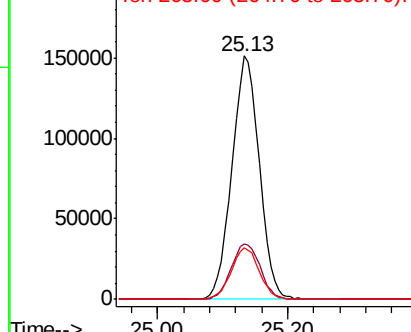


Abundance

Ion 264.00 (263.70 to 264.70): E

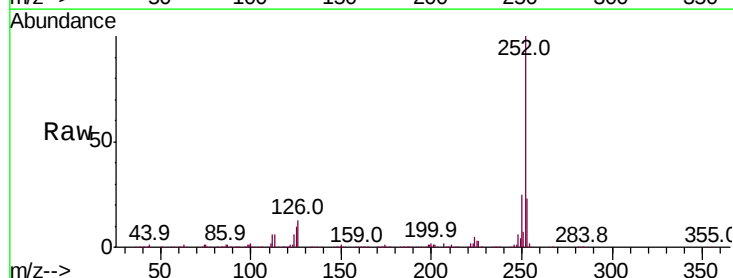
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 48.516 ng
RT: 24.07 min Scan# 3537
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	10.1	7.8	11.6

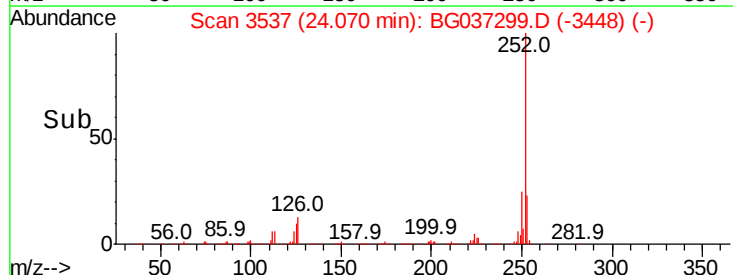
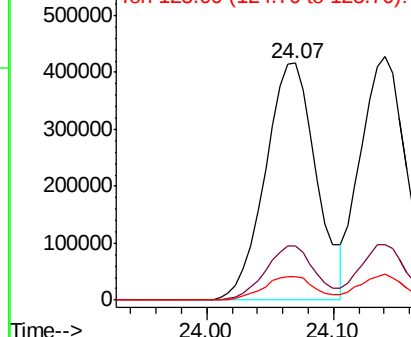


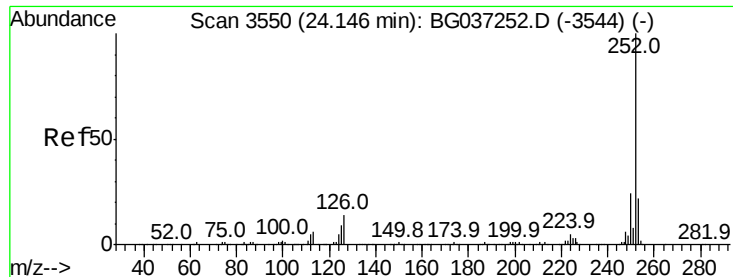
Abundance

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





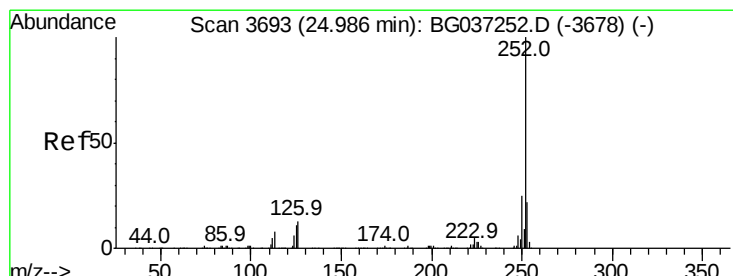
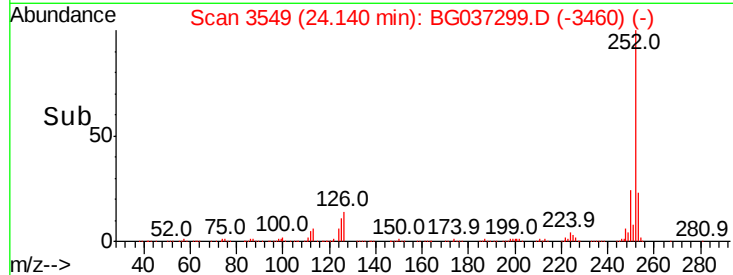
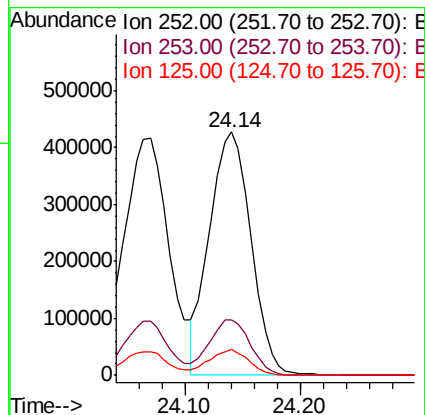
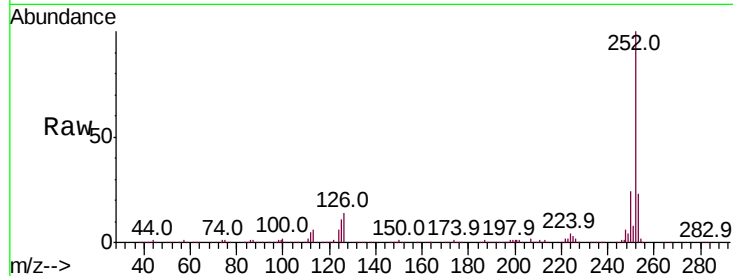
#89
Benzo(k)fluoranthene
Concen: 44.903 ng
RT: 24.14 min Scan# 3549
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

Tot	Ion:252	Resp: 1064451	
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	10.7	7.4	11.0

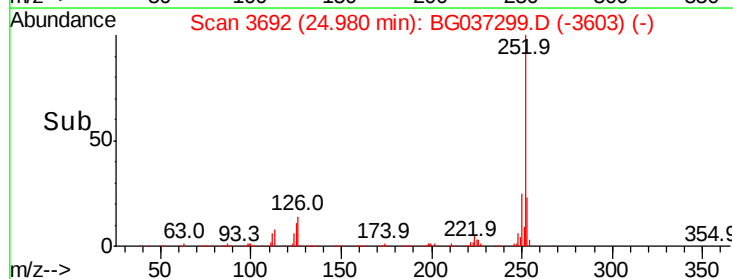
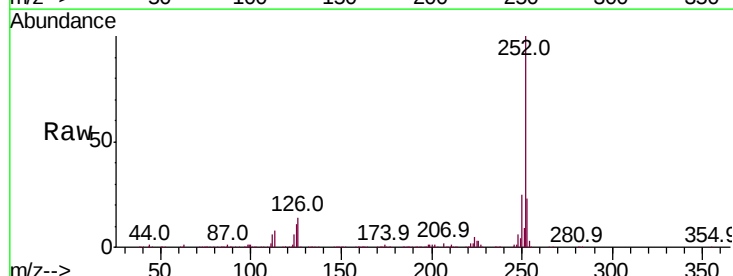
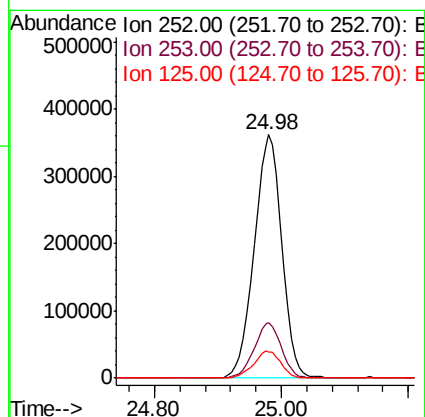
Manual Integrations
APPROVED

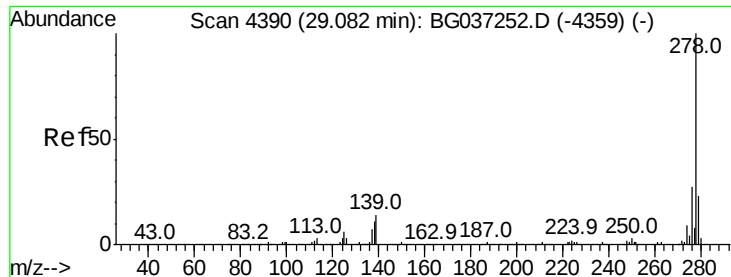
Sohil
10/15/2018 12:59:12 PM



#90
Benzo(a)pyrene
Concen: 47.723 ng
RT: 24.98 min Scan# 3692
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt	Ion:252	Resp: 1099374	
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	10.8	9.0	13.6





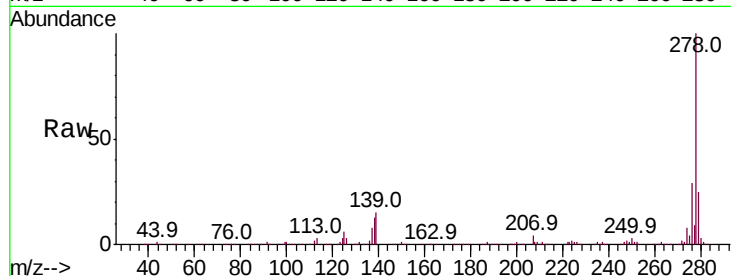
#91
Dibenzo(a,h)anthracene
Concen: 47.690 ng
RT: 29.07 min Scan# 4388
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Instrument :
BNA_G
ClientSampleId :
SOIL-DRUMMSD

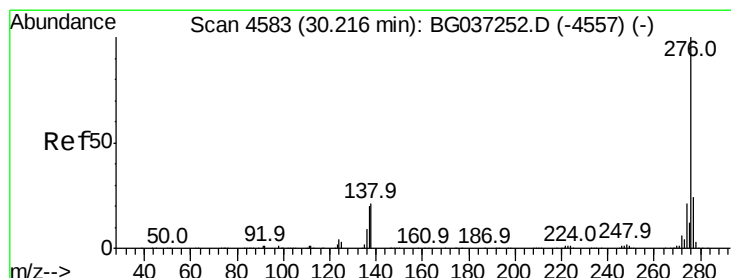
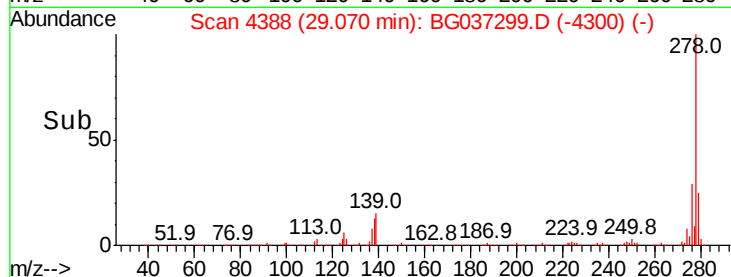
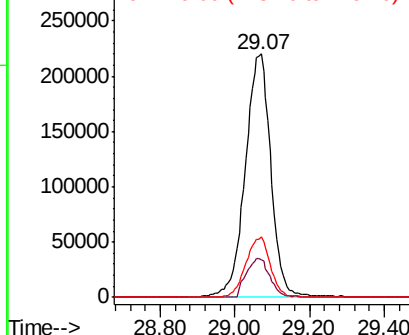
Tot Ion	Ratio	Lower	Upper
278	100		
139	15.2	11.5	17.3
279	24.7	18.6	27.8

Manual Integrations
APPROVED

Sohil
10/15/2018 12:59:12 PM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 48.204 ng
RT: 30.20 min Scan# 4581
Delta R.T. -0.01 min
Lab File: BG037299.D
Acq: 12 Oct 2018 20:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.9	28.3
138	20.8	17.2	25.8

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

