

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
 Data File : BG041351.D
 Acq On : 20 Jun 2019 7:31
 Operator : HP/JU
 Sample : K3368-01MSD
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOILMSD

Manual Integrations
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 6/21/2019 9:57:57 PM

Quant Time: Jun 20 08:45:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	42305	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	164666	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	111695	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	269941	20.00	ng	0.00
76) Chrysene-d12	21.75	240	260612	20.00	ng	0.00
87) Perylene-d12	25.06	264	251491	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	240451	104.43	ng	0.00
7) Phenol-d6	7.24	99	310145	92.93	ng	0.00
23) Nitrobenzene-d5	9.26	82	327239	83.58	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	177943	103.77	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	710440	86.45	ng	0.00
79) Terphenyl-d14	20.06	244	1158521	88.10	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.47	88	31580m	27.353	ng	
3) Pyridine	3.89	79	92326	30.144	ng	98
4) n-Nitrosodimethylamine	3.80	42	55091	33.729	ng	97
6) Aniline	7.41	93	59091	12.738	ng	97
8) 2-Chlorophenol	7.64	128	94947	35.096	ng	97
9) Benzaldehyde	7.22	77	26667	12.493	ng	93
10) Phenol	7.27	94	108033	30.102	ng	92
11) bis(2-Chloroethyl)ether	7.50	93	107948	39.642	ng	96
12) 1,3-Dichlorobenzene	7.96	146	124901	36.872	ng	93
13) 1,4-Dichlorobenzene	8.12	146	129495	37.425	ng	97
14) 1,2-Dichlorobenzene	8.43	146	123128	37.256	ng	93
15) Benzyl Alcohol	8.33	79	112182	35.083	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.60	45	165071	37.031	ng	96
17) 2-Methylphenol	8.52	107	88029	34.309	ng	95
18) Hexachloroethane	9.16	117	46806	34.136	ng	96
19) n-Nitroso-di-n-propylamine	8.89	70	102185	37.857	ng	98
20) 3+4-Methylphenols	8.86	107	116443	34.091	ng	94
22) Acetophenone	8.92	105	194022	40.490	ng	# 96
24) Nitrobenzene	9.30	77	163873	41.615	ng	96
25) Isophorone	9.82	82	280585	39.061	ng	97
26) 2-Nitrophenol	10.01	139	56614	35.462	ng	96
27) 2,4-Dimethylphenol	10.06	122	93562	39.098	ng	94
28) bis(2-Chloroethoxy)methane	10.30	93	149459	39.932	ng	99
29) 2,4-Dichlorophenol	10.55	162	111903	37.714	ng	94
30) 1,2,4-Trichlorobenzene	10.76	180	154229	40.585	ng	96
31) Naphthalene	10.96	128	376666	42.089	ng	100
33) 4-Chloroaniline	11.07	127	33548	8.827	ng	97
34) Hexachlorobutadiene	11.21	225	112332	37.240	ng	97
35) Caprolactam	11.86	113	25861m	25.317	ng	
36) 4-Chloro-3-methylphenol	12.18	107	118950	34.707	ng	97
37) 2-Methylnaphthalene	12.55	142	277130	42.044	ng	98
38) 1-Methylnaphthalene	12.77	142	258259	40.952	ng	93
40) 1,2,4,5-Tetrachlorobenzene	12.91	216	204223	44.279	ng	98
41) Hexachlorocyclopentadiene	12.88	237	57308	18.446	ng	97

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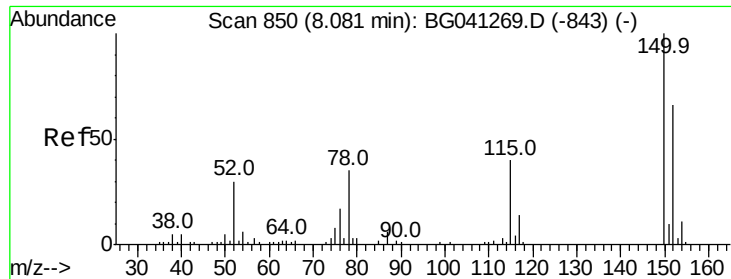
Manual Integrations
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	13.16	196	104217	36.527	ng	97
44) 2,4,5-Trichlorophenol	13.23	196	106277	36.201	ng	99
46) 1,1'-Biphenyl	13.55	154	368958	43.694	ng	99
47) 2-Chloronaphthalene	13.60	162	306534	42.165	ng	99
48) 2-Nitroaniline	13.82	65	109691	41.198	ng	92
49) Acenaphthylene	14.45	152	459880	41.687	ng	99
50) Dimethylphthalate	14.17	163	392240	39.468	ng	99
51) 2,6-Dinitrotoluene	14.30	165	85197	40.657	ng	95
52) Acenaphthene	14.79	154	271011	41.836	ng	96
53) 3-Nitroaniline	14.64	138	46254	22.404	ng	100
54) 2,4-Dinitrophenol	14.85	184	6463	8.876	ng	94
55) Dibenzofuran	15.11	168	468507	41.597	ng	98
56) 4-Nitrophenol	14.94	139	83800	54.497	ng	98
57) 2,4-Dinitrotoluene	15.09	165	120547	39.353	ng	98
58) Fluorene	15.77	166	365859	41.293	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.34	232	100327	33.047	ng	99
60) Diethylphthalate	15.52	149	394619	39.066	ng	98
61) 4-Chlorophenyl-phenylether	15.75	204	230811	40.039	ng	98
62) 4-Nitroaniline	15.80	138	79459	35.985	ng	94
63) Azobenzene	16.04	77	365368	40.544	ng	98
65) 4,6-Dinitro-2-methylphenol	15.85	198	9717	5.546	ng	84
66) n-Nitrosodiphenylamine	15.97	169	328732	45.864	ng	99
67) 4-Bromophenyl-phenylether	16.65	248	148311	42.491	ng	95
68) Hexachlorobenzene	16.76	284	158083	42.295	ng	99
69) Atrazine	16.91	200	139459	Below	Cal	99
70) Pentachlorophenol	17.11	266	64665	33.787	ng	93
71) Phenanthrene	17.51	178	616070	42.792	ng	100
72) Anthracene	17.60	178	624541	44.002	ng	100
73) Carbazole	17.88	167	540302	43.516	ng	100
74) Di-n-butylphthalate	18.40	149	647977	41.826	ng	99
75) Fluoranthene	19.51	202	785078	41.047	ng	99
77) Benzidine	19.70	184	117544	18.647	ng	98
78) Pyrene	19.87	202	782041	44.495	ng	99
80) Butylbenzylphthalate	20.74	149	292606	44.014	ng	95
81) Benzo(a)anthracene	21.72	228	756069	42.847	ng	100
82) 3,3'-Dichlorobenzidine	21.64	252	134106	21.650	ng	98
83) Chrysene	21.80	228	735840	43.362	ng	99
84) Bis(2-ethylhexyl)phthalate	21.59	149	398920	44.032	ng	# 99
85) Di-n-octyl phthalate	22.82	149	683743	44.608	ng	100
86) Indeno(1,2,3-cd)pyrene	28.87	276	545133	27.076	ng	# 84
88) Benzo(b)fluoranthene	24.00	252	700718	44.959	ng	98
89) Benzo(k)fluoranthene	24.07	252	733090	47.480	ng	99
90) Benzo(a)pyrene	24.91	252	695975	47.283	ng	99
91) Dibenzo(a,h)anthracene	28.93	278	458200	30.920	ng	98
92) Benzo(g,h,i)perylene	30.07	276	371876	25.393	ng	98

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



#1

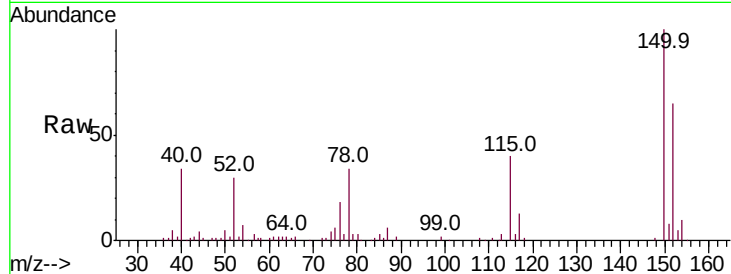
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 849
Delta R.T. -0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampled :
SOILMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	120.6	181.0
115	62.6	47.9	71.9

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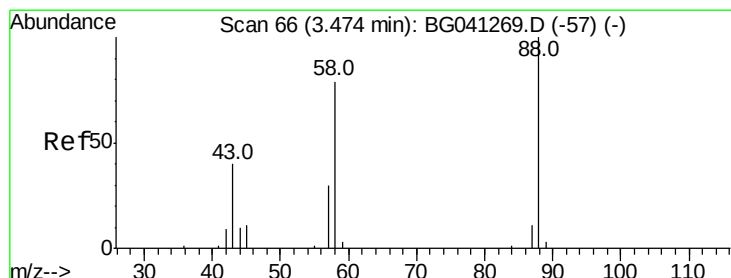
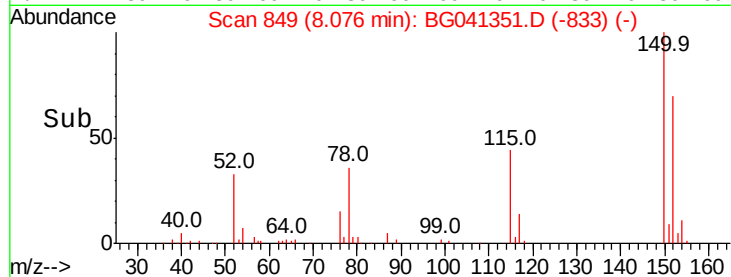
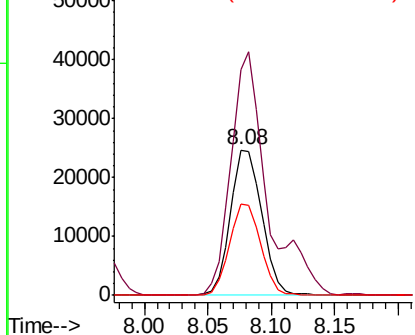


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

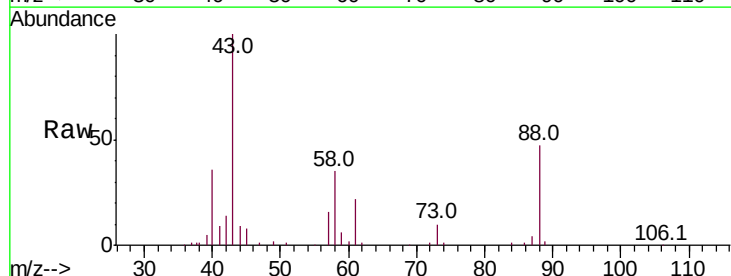
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 27.353 ng m
RT: 3.47 min Scan# 65
Delta R.T. -0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	76.2	59.7	89.5
43	193.6	31.9	47.9

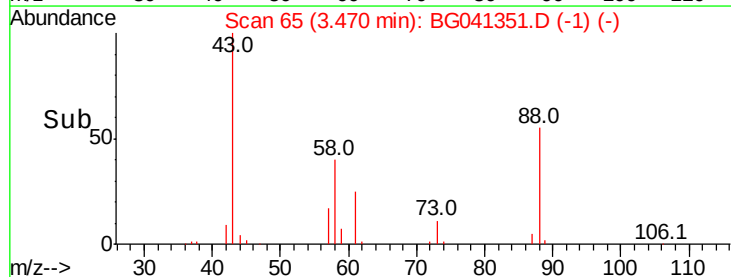
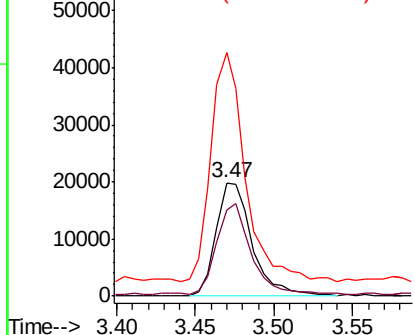


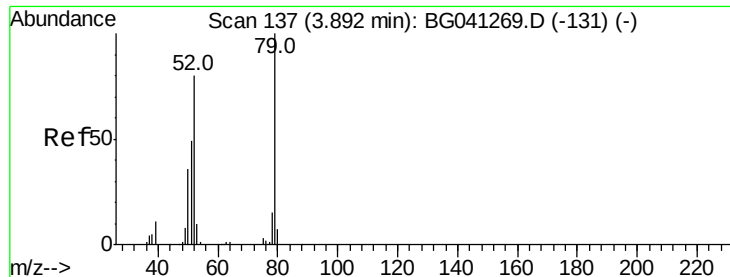
Abundance

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: 30.144 ng

RT: 3.89 min Scan# 137

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

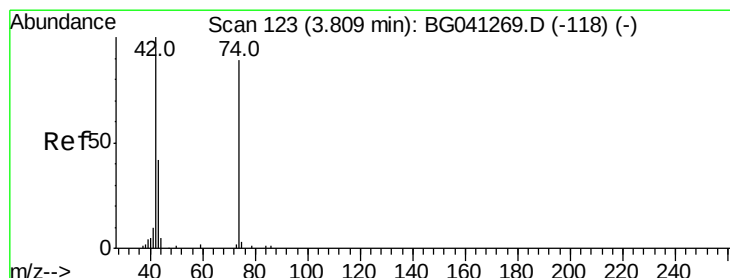
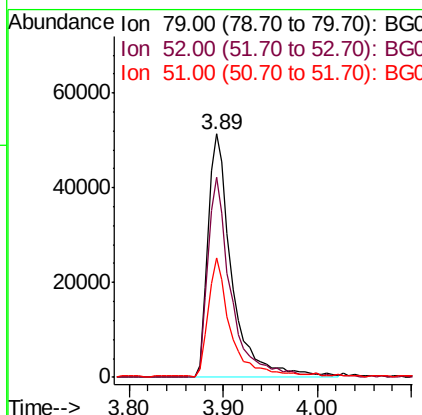
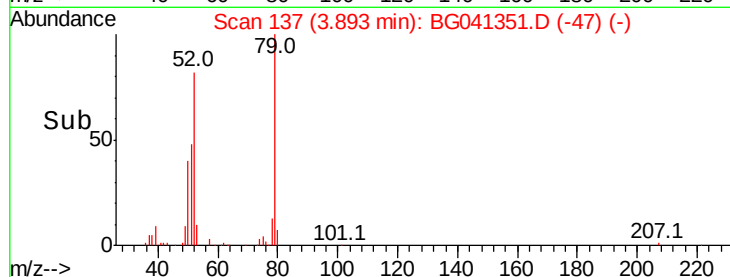
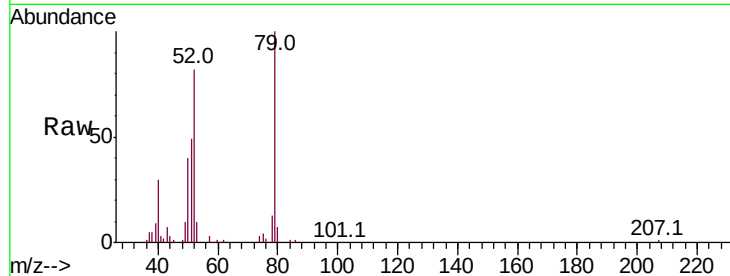
ClientSampleId :

SOILMSD

Tot Ion:	79	Resp:	92326
Ion Ratio	Lower	Upper	
79	100		
52	82.3	63.6	95.4
51	48.9	39.8	59.6

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#4

n-Nitrosodimethylamine

Concen: 33.729 ng

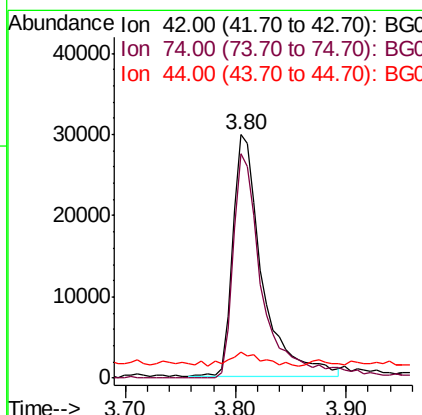
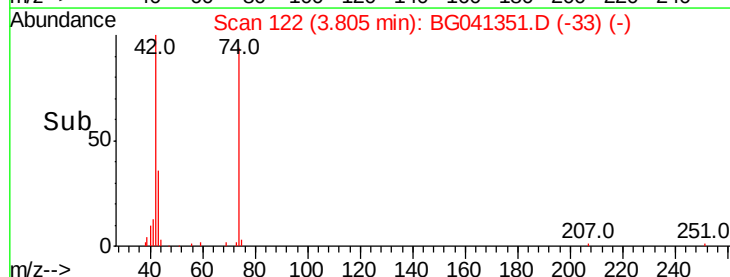
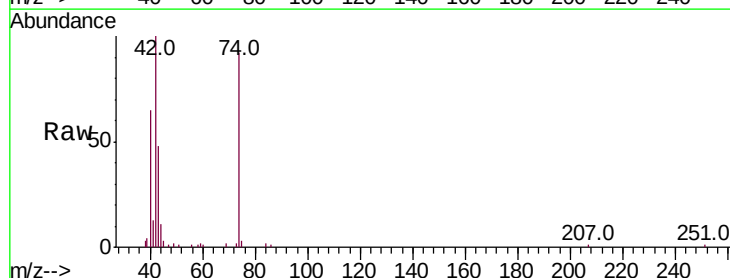
RT: 3.80 min Scan# 122

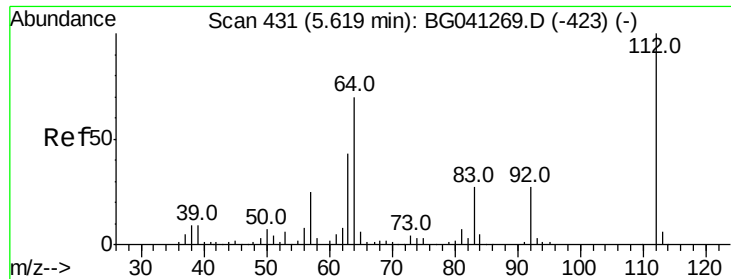
Delta R.T. -0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Tgt Ion:	42	Resp:	55091
Ion Ratio	Lower	Upper	
42	100		
74	92.0	71.6	107.4
44	10.6	9.0	13.4





#5

2-Fluorophenol

Concen: 104.434 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

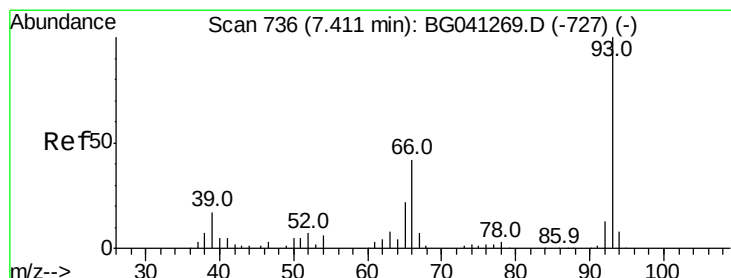
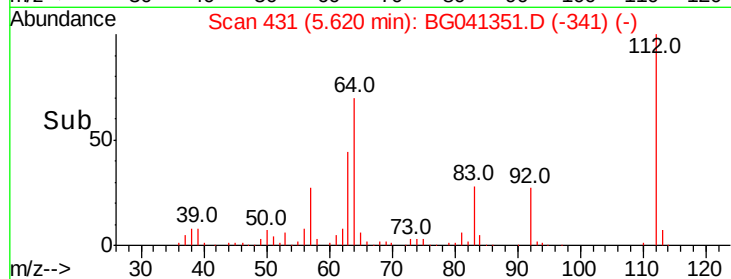
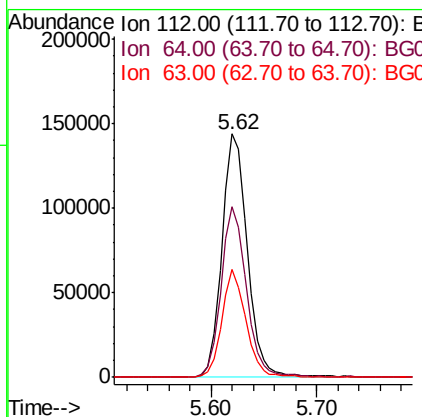
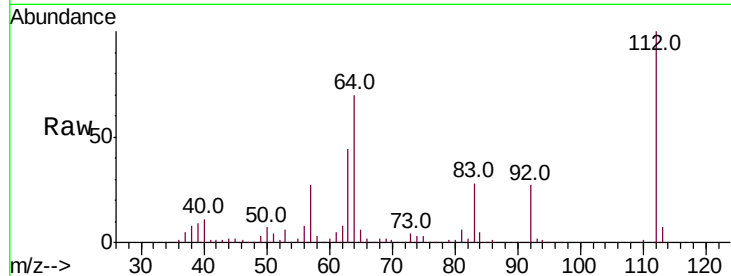
ClientSampled :

SOILMSD

Tot Ion:	112	Resp:	240451
Ion Ratio	Lower	Upper	
112	100		
64	70.3	55.9	83.9
63	44.2	34.6	51.8

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#6

Aniline

Concen: 12.738 ng

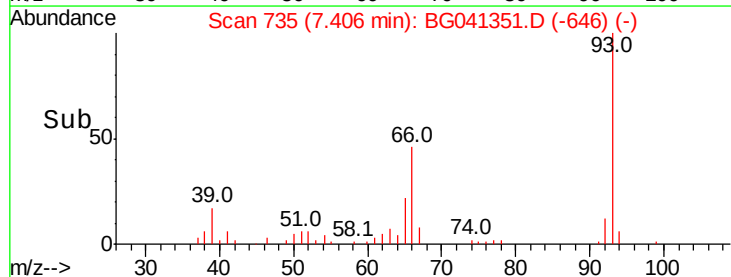
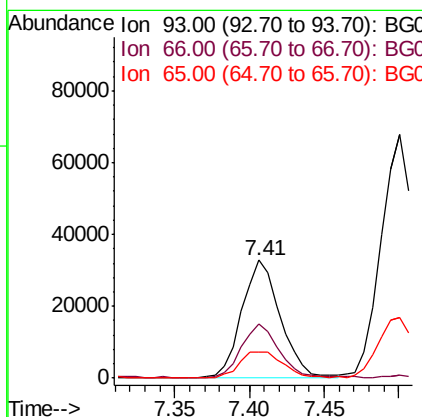
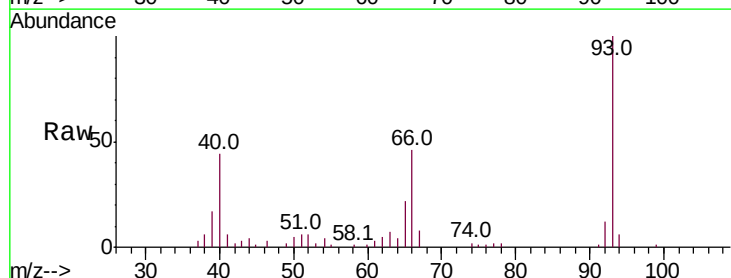
RT: 7.41 min Scan# 735

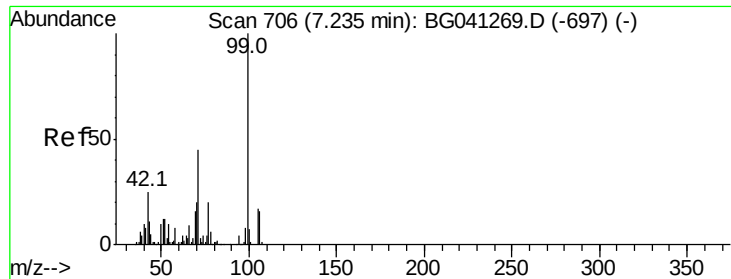
Delta R.T. -0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Tgt Ion:	93	Resp:	59091
Ion Ratio	Lower	Upper	
93	100		
66	45.6	34.2	51.2
65	21.8	17.7	26.5





#7

Phenol-d6

Concen: 92.931 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

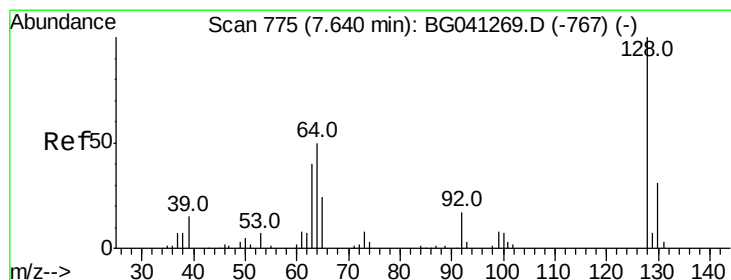
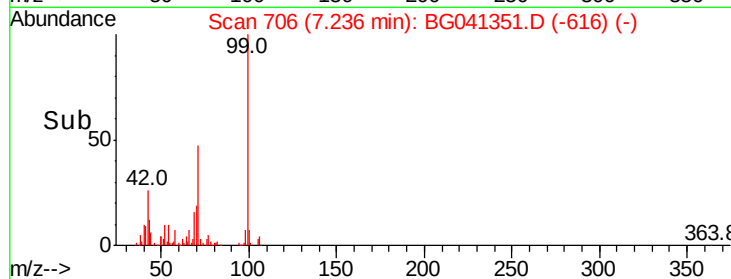
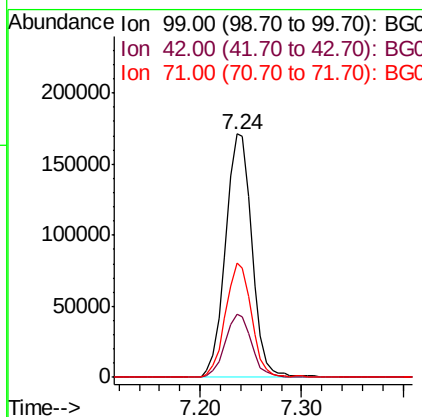
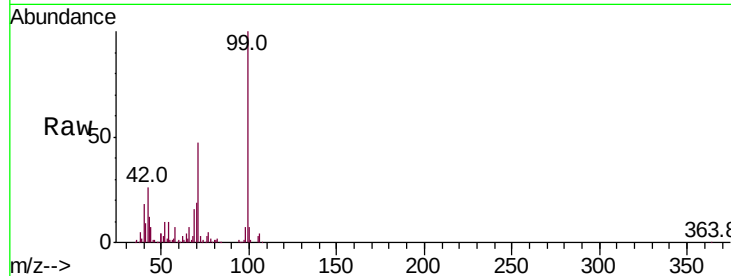
ClientSampleId :

SOILMSD

Tot Ion:	99	Resp:	310145
Ion Ratio	Lower	Upper	
99	100		
42	26.1	19.9	29.9
71	46.9	36.4	54.6

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#8

2-Chlorophenol

Concen: 35.096 ng

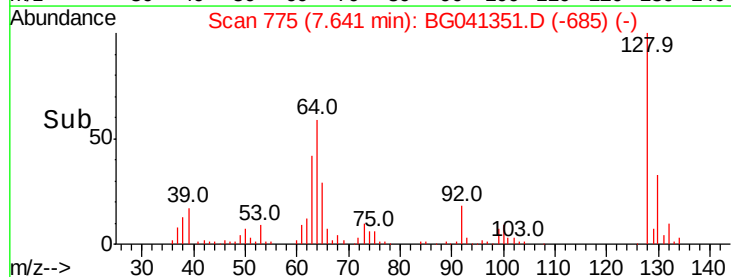
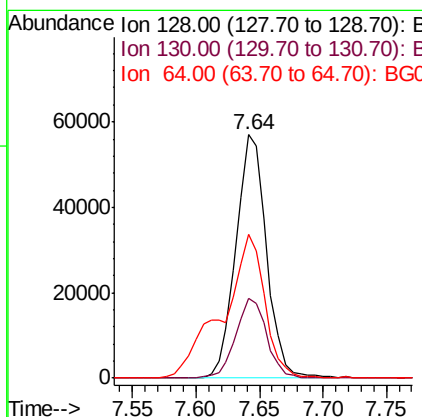
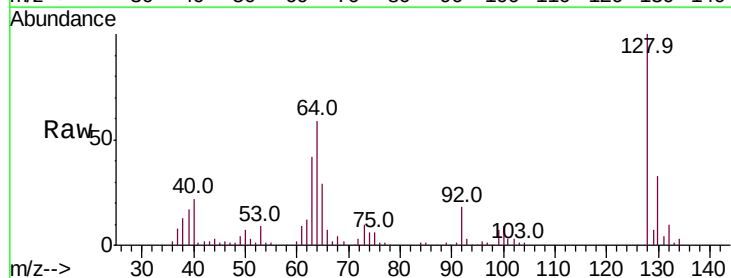
RT: 7.64 min Scan# 775

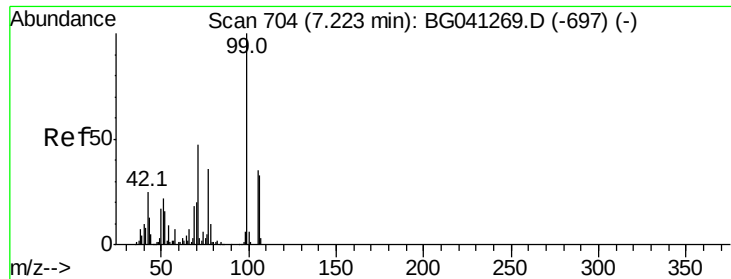
Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Tgt Ion:	128	Resp:	94947
Ion Ratio	Lower	Upper	
128	100		
130	32.6	11.1	51.1
64	59.2	36.6	76.6





#9

Benzaldehyde

Concen: 12.493 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

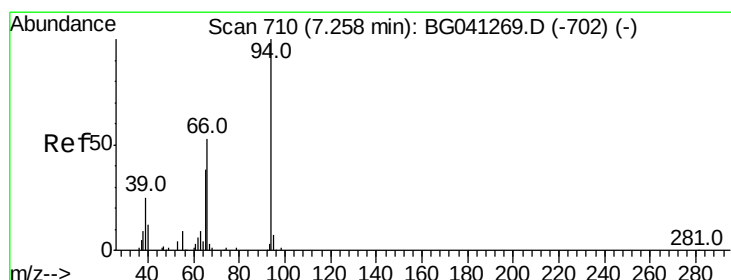
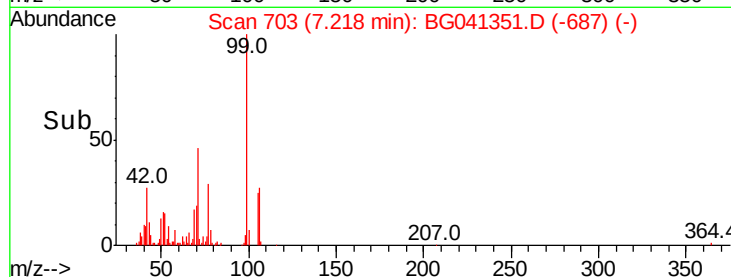
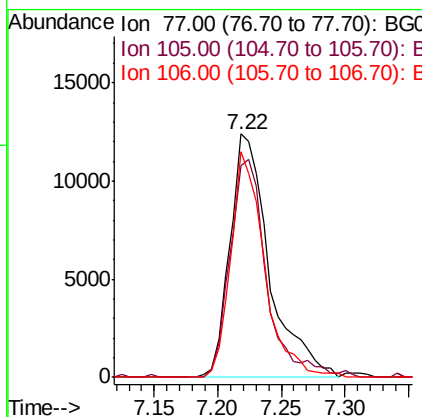
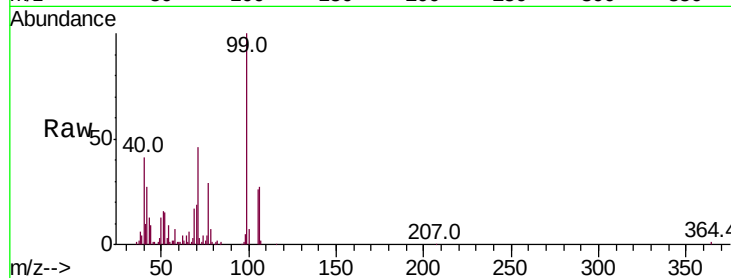
ClientSampleId :

SOILMSD

Tot Ion:	77	Resp:	26667
Ion	Ratio	Lower	Upper
77	100		
105	86.9	78.7	118.7
106	92.9	71.1	111.1

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#10

Phenol

Concen: 30.102 ng

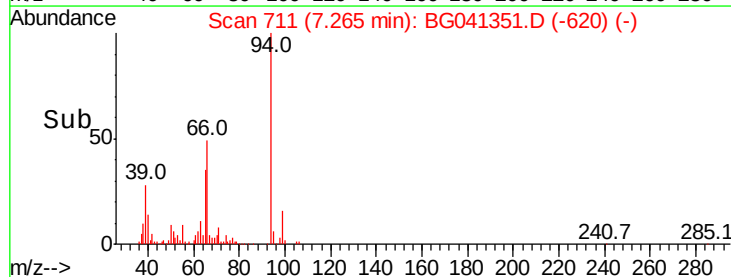
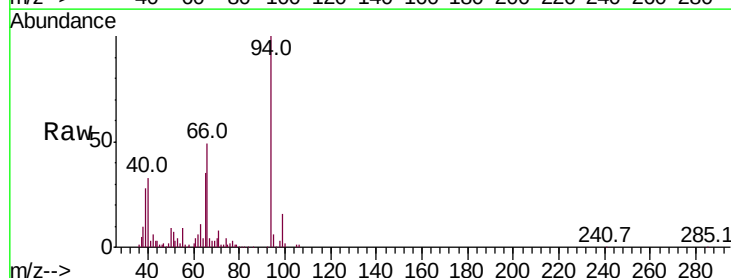
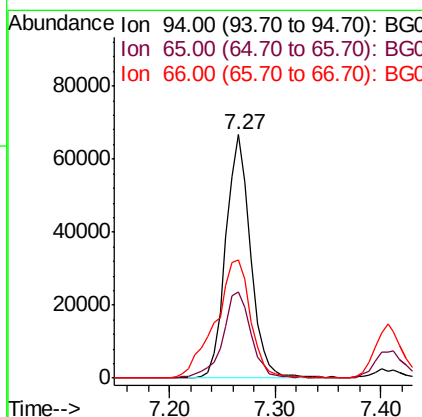
RT: 7.27 min Scan# 711

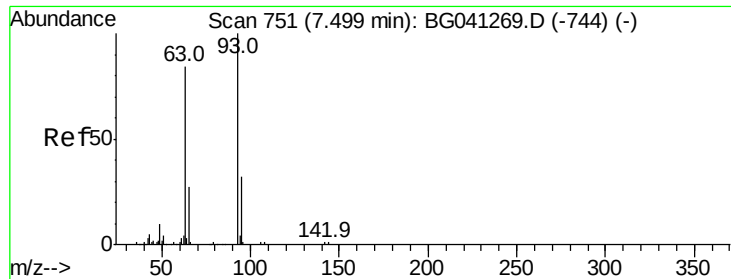
Delta R.T. 0.01 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Tgt Ion:	94	Resp:	108033
Ion	Ratio	Lower	Upper
94	100		
65	35.4	18.7	58.7
66	48.7	35.5	75.5





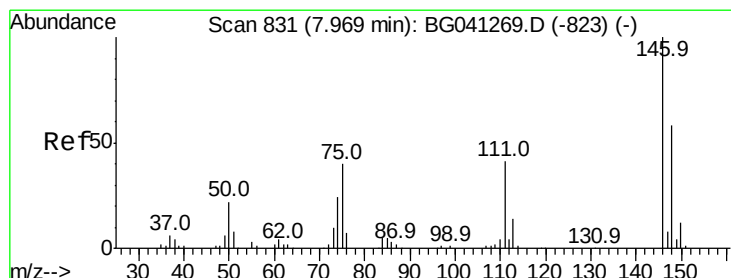
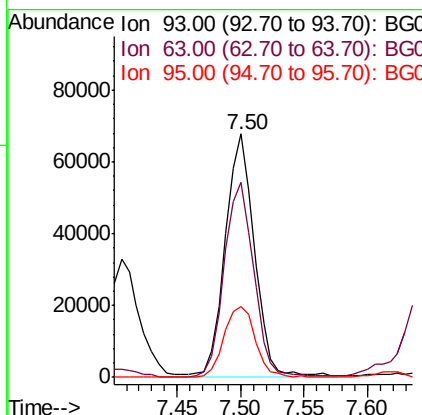
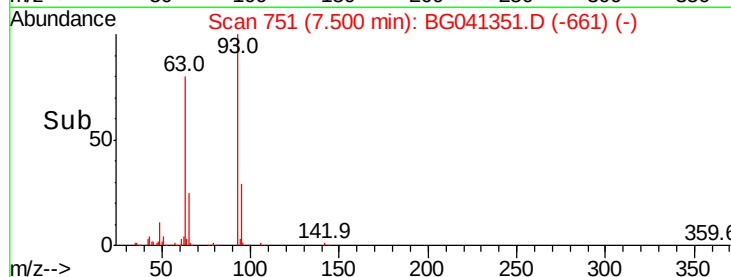
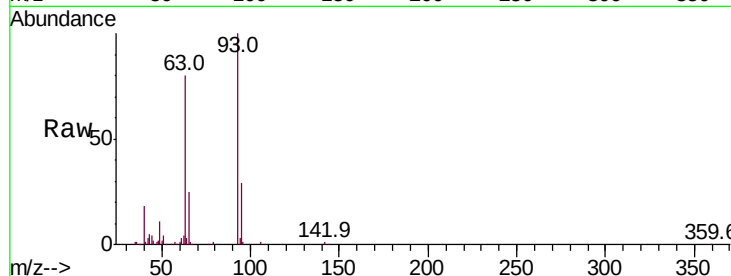
#11
bis(2-Chloroethyl)ether
Concen: 39.642 ng
RT: 7.50 min Scan# 751
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampleId :
SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	107948		
63	80.3		63.6	103.6
95	29.1		11.2	51.2

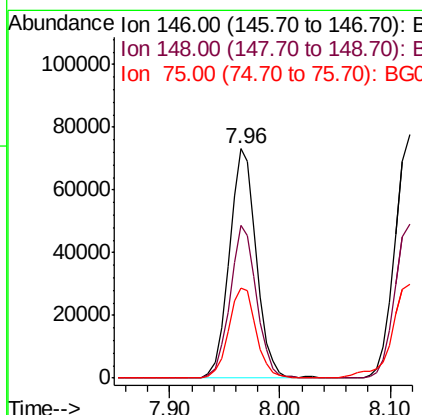
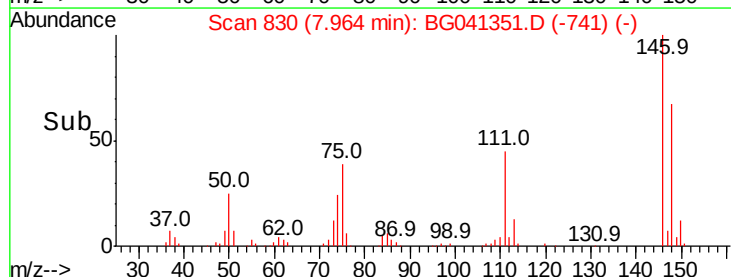
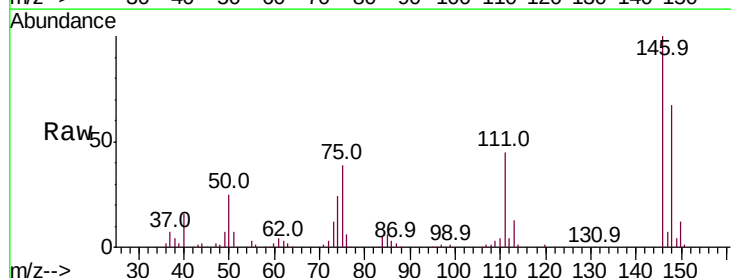
Manual Integrations
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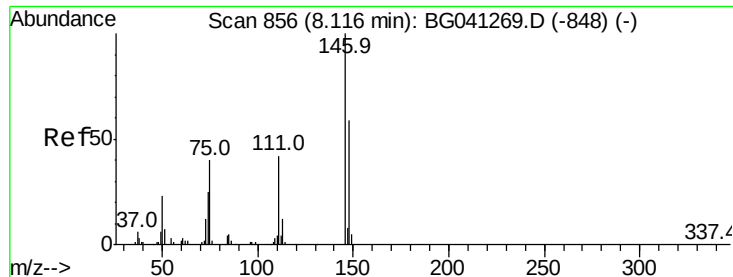
mohammad
6/21/2019 9:57:57 PM



#12
1,3-Dichlorobenzene
Concen: 36.872 ng
RT: 7.96 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	124901		
148	66.5		46.5	69.7
75	39.2		32.2	48.4





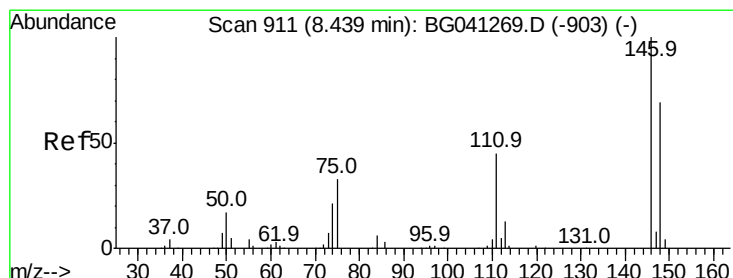
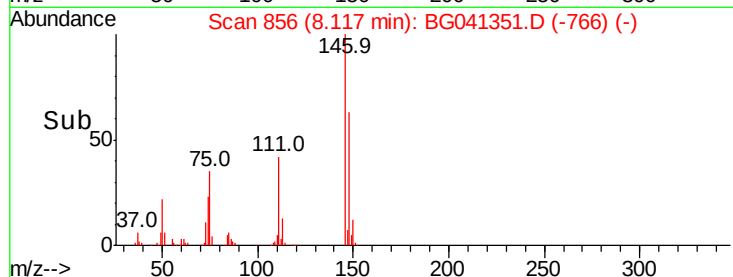
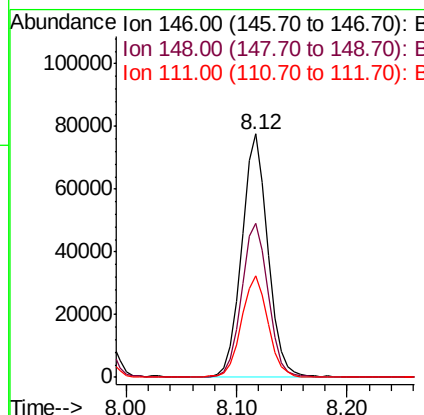
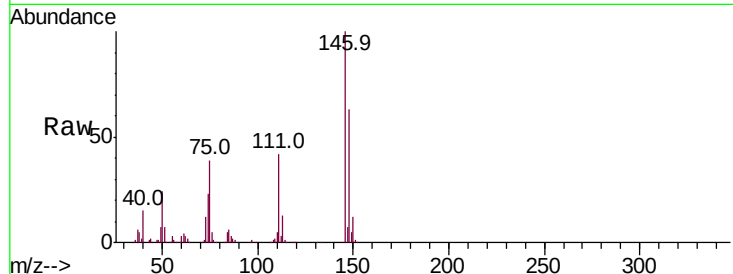
#13
 1,4-Dichlorobenzene
 Concen: 37.425 ng
 RT: 8.12 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Instrument :
 BNA_G
 ClientSampled :
 SOILMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.2	47.3	70.9
111	41.8	33.4	50.0

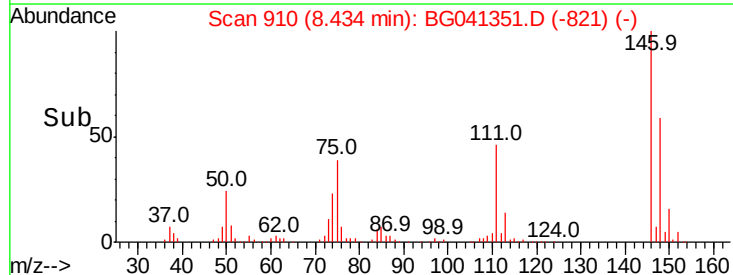
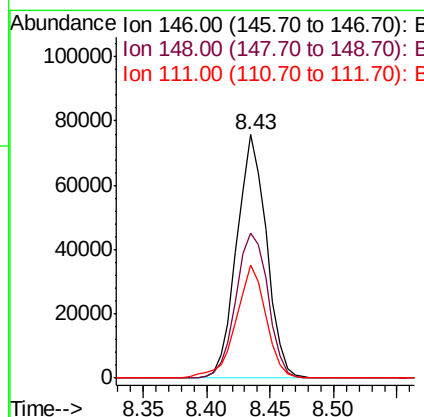
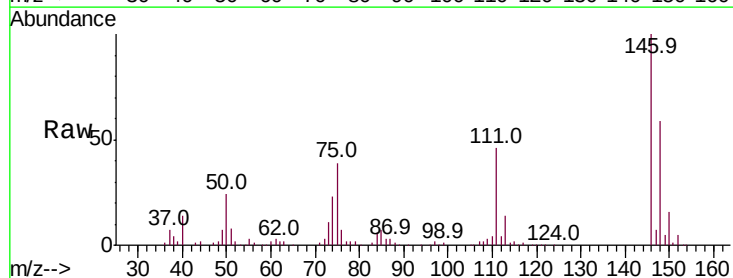
Manual Integrations
 APPROVED

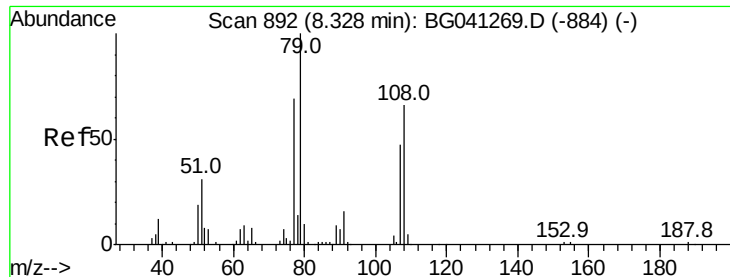
mohammad
 6/21/2019 9:57:57 PM



#14
 1,2-Dichlorobenzene
 Concen: 37.256 ng
 RT: 8.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Lower	Upper
146	100		
148	59.3	54.9	82.3
111	46.3	37.0	55.6





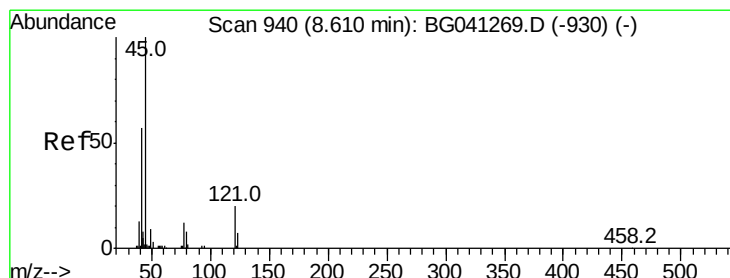
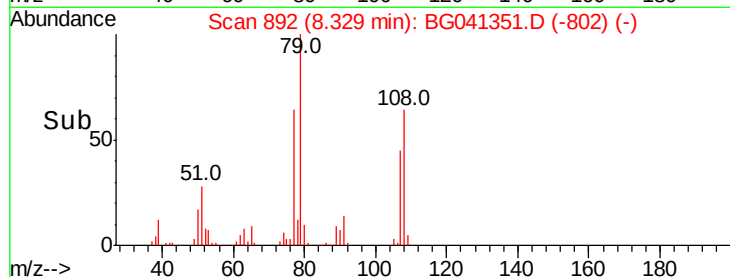
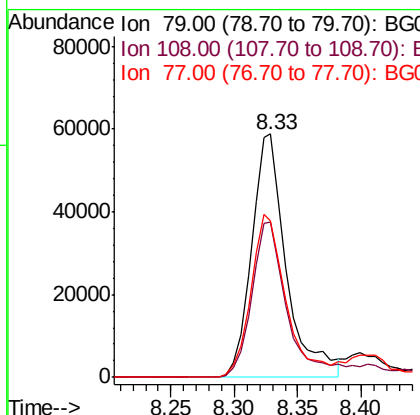
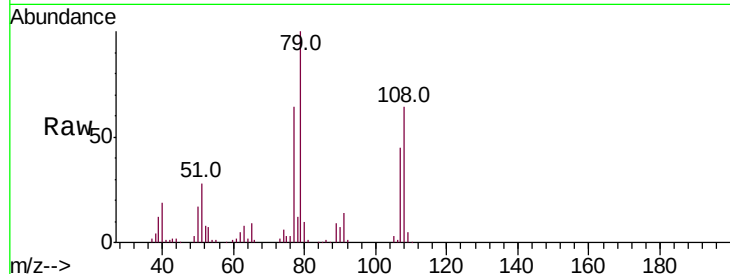
#15
Benzyl Alcohol
Concen: 35.083 ng
RT: 8.33 min Scan# 892
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampleId :
SOILMSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	63.6	52.7	79.1
77	64.4	55.2	82.8

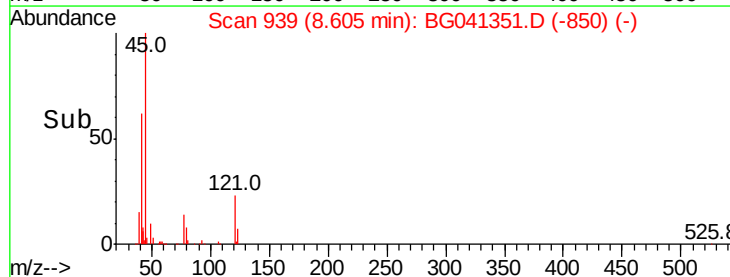
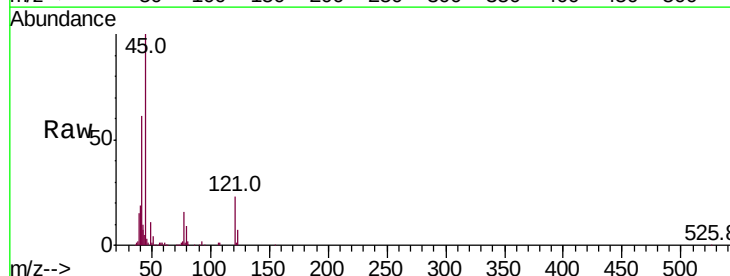
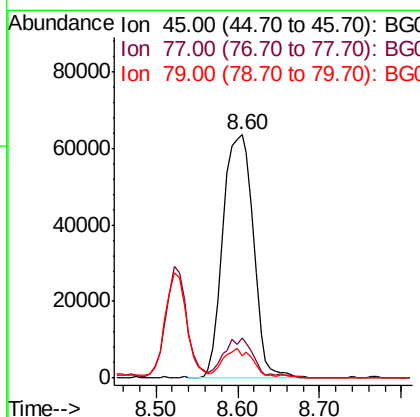
Manual Integrations
APPROVED

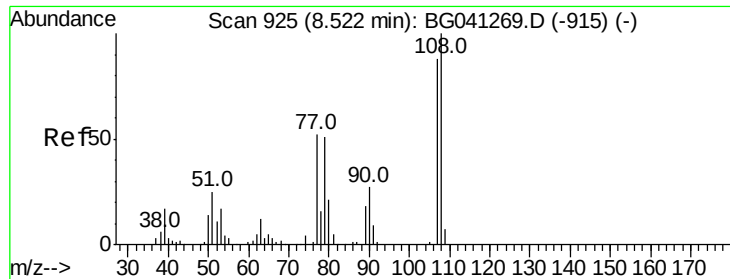
mohammad
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#16
2,2'-oxybis(1-chloropropane)
Concen: 37.031 ng
RT: 8.60 min Scan# 939
Delta R.T. -0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Lower	Upper
45	100		
77	16.3	0.0	35.2
79	9.0	0.0	31.6





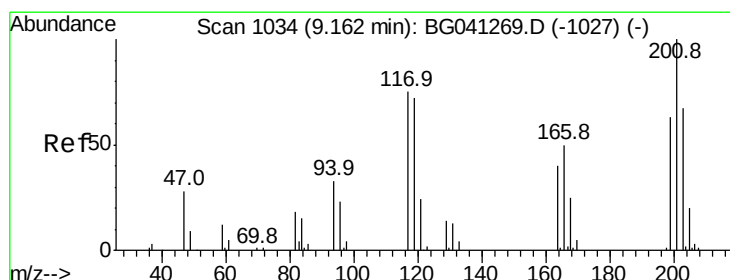
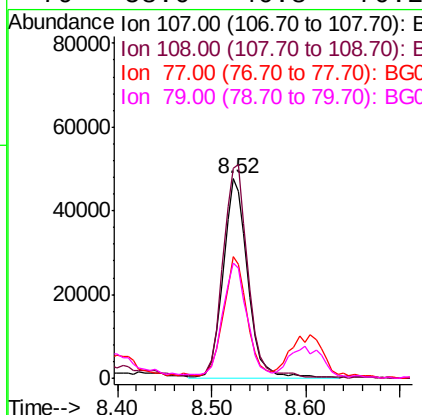
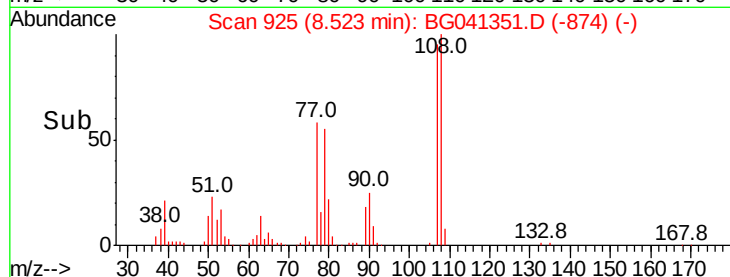
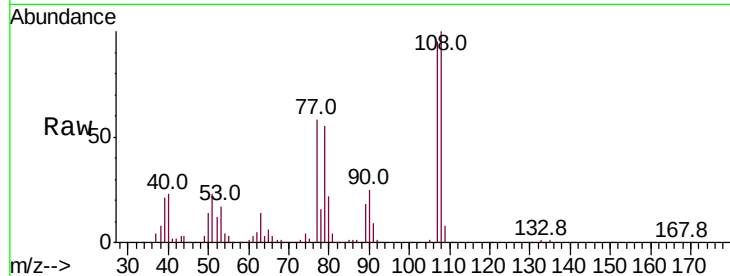
#17
2-Methylphenol
Concen: 34.309 ng
RT: 8.52 min Scan# 925
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampleId :
SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	105.3	91.7	137.5	
77	61.1	47.8	71.8	
79	58.0	46.8	70.2	

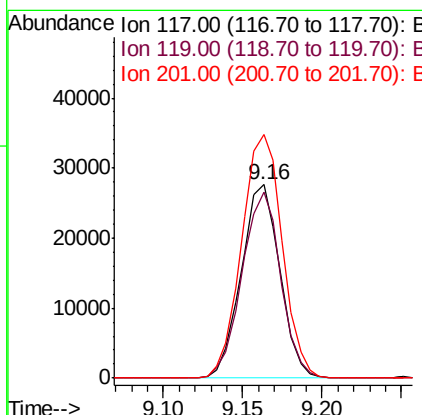
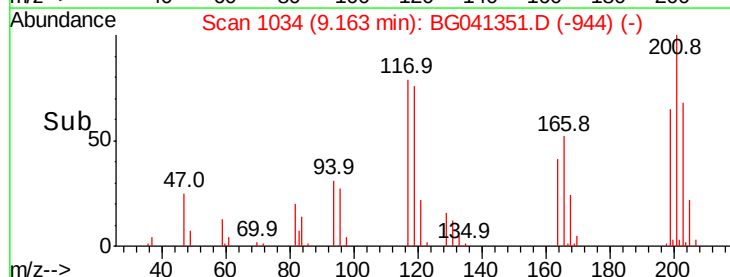
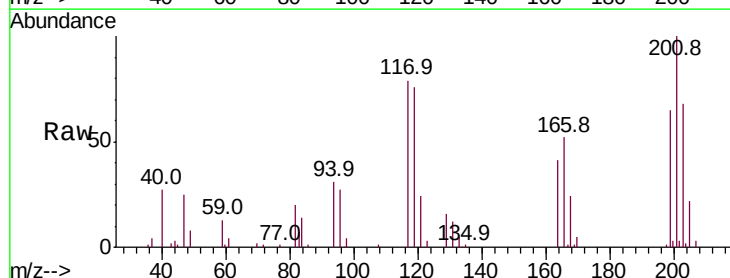
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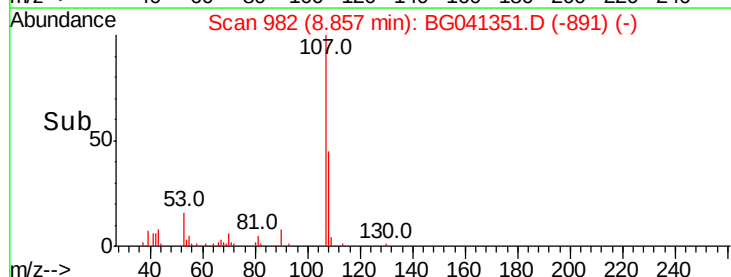
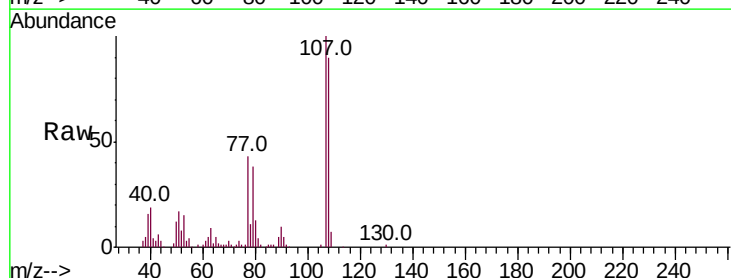
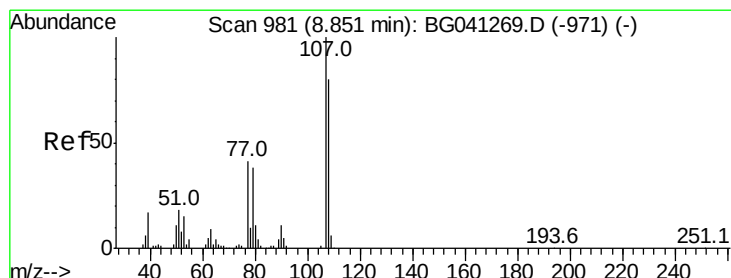
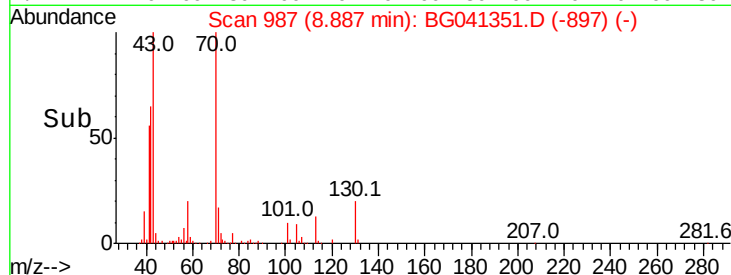
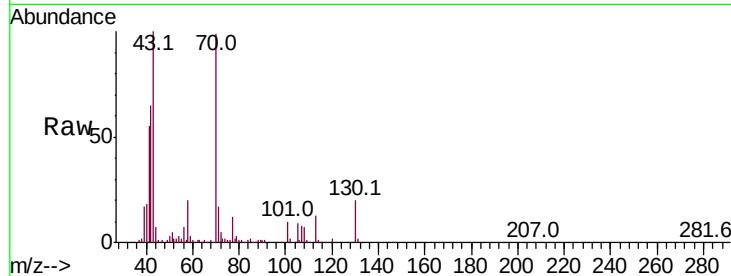
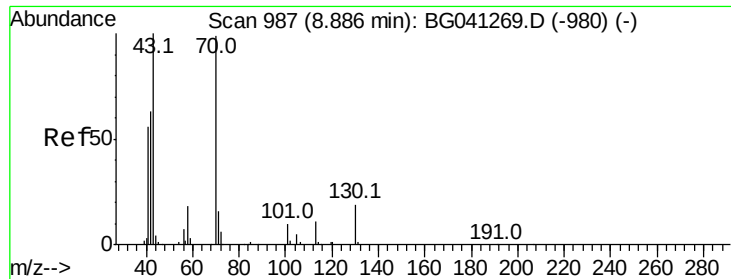
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#18
Hexachloroethane
Concen: 34.136 ng
RT: 9.16 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.9	76.8	115.2	
201	125.8	106.3	159.5	





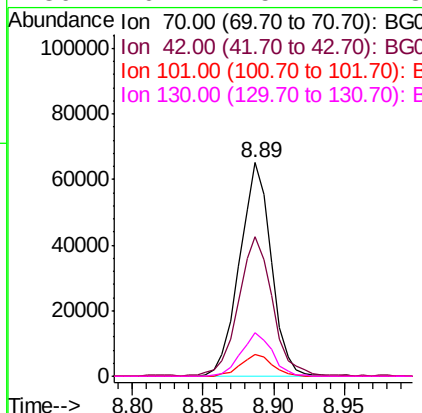
#19
n-Nitroso-di-n-propylamine
Concen: 37.857 ng
RT: 8.89 min Scan# 987
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampleId :
SOILMSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	65.5	51.4	77.2	
101	10.1	8.2	12.2	
130	20.4	15.2	22.8	

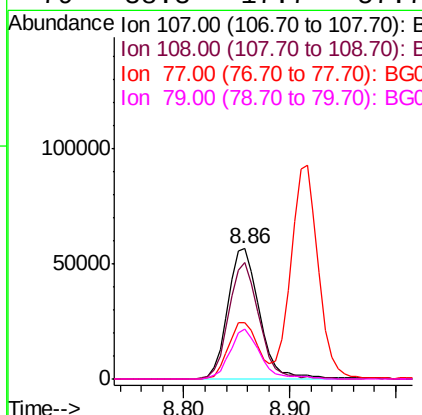
Manual Integrations
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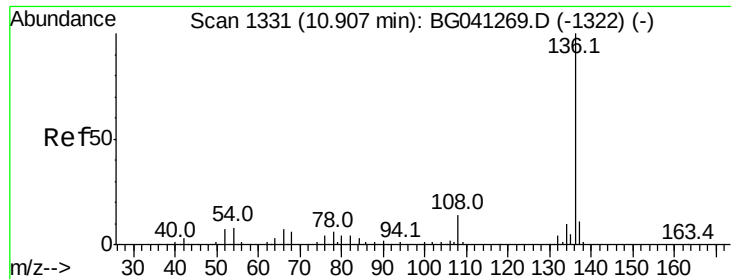
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#20
3+4-Methylphenols
Concen: 34.091 ng
RT: 8.86 min Scan# 982
Delta R.T. 0.01 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	89.6	60.4	100.4	
77	43.3	21.2	61.2	
79	38.3	17.7	57.7	





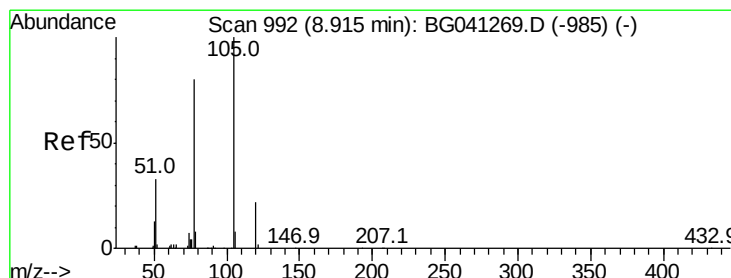
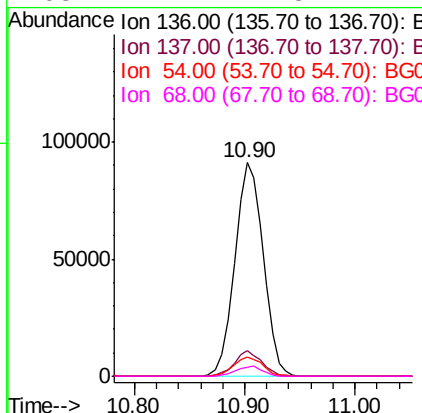
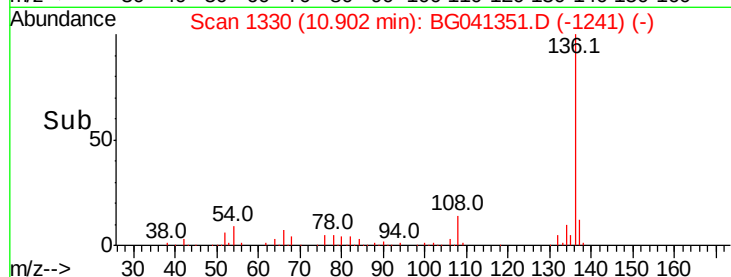
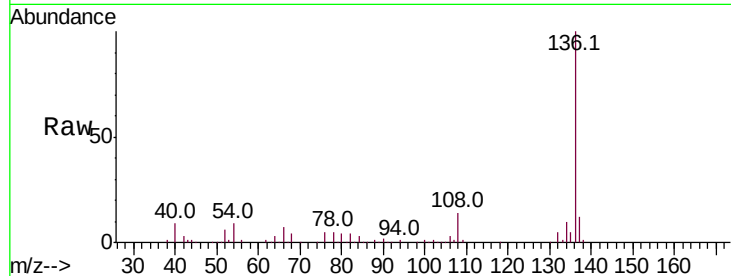
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampleId :
SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	164666		
137	11.9	8.8	13.2	
54	8.8	6.4	9.6	
68	4.4	4.8	7.2	

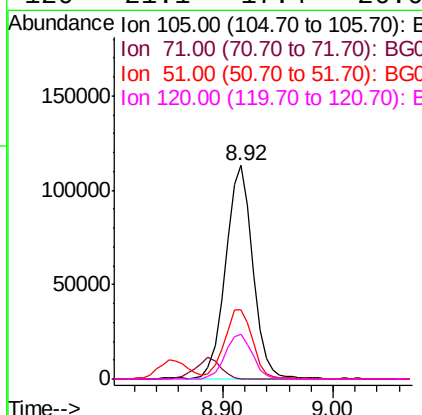
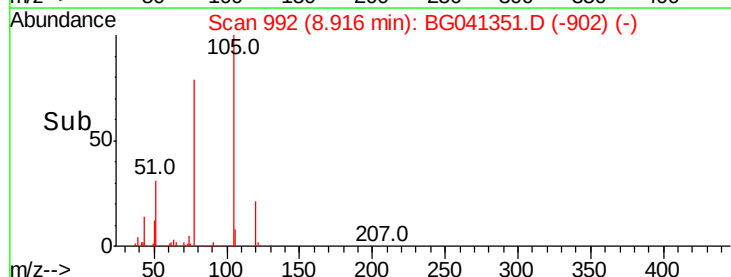
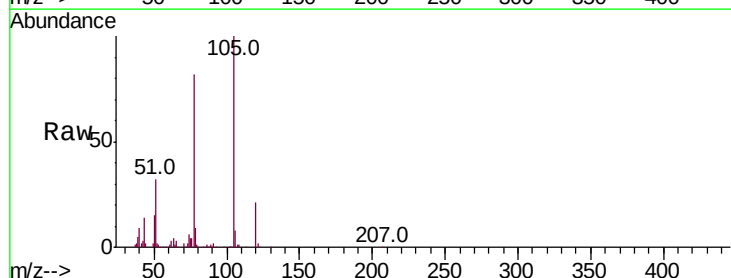
Manual Integrations
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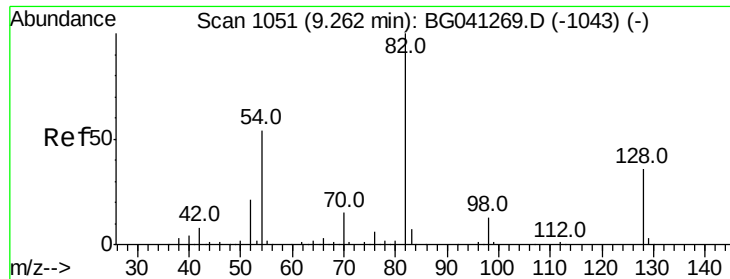
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#22
Acetophenone
Concen: 40.490 ng
RT: 8.92 min Scan# 992
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	194022		
71	0.3	0.4	0.6	
51	32.1	28.2	42.4	
120	21.1	17.4	26.0	





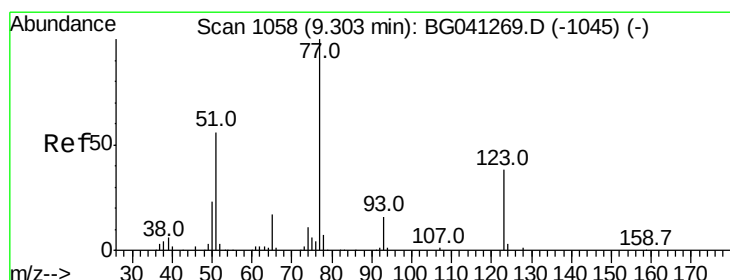
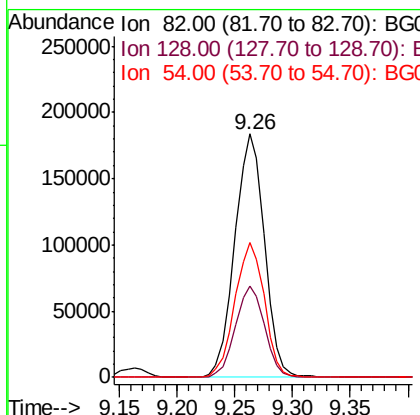
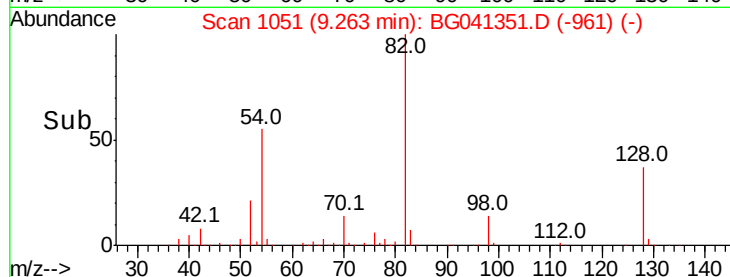
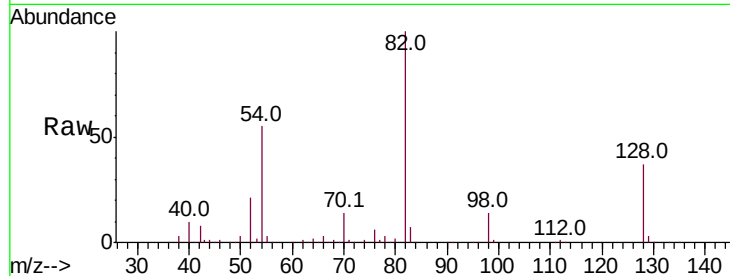
#23
Nitrobenzene-d5
Concen: 83.578 ng
RT: 9.26 min Scan# 1051
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampled :
SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	37.3	29.2	43.8	
54	55.2	43.4	65.0	

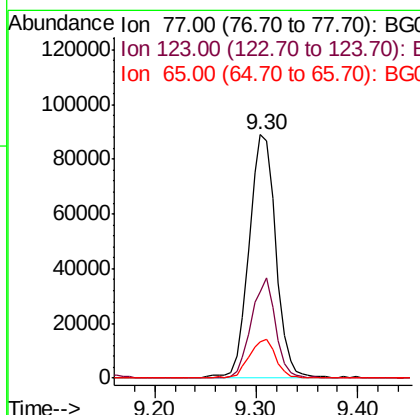
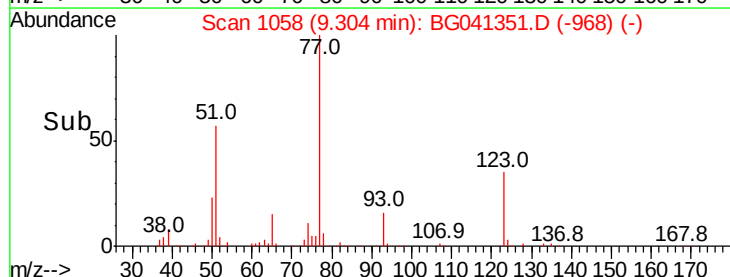
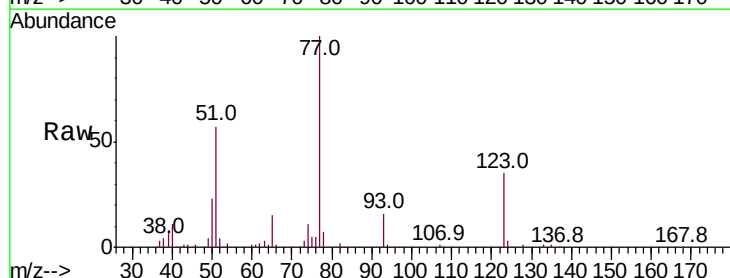
Manual Integrations
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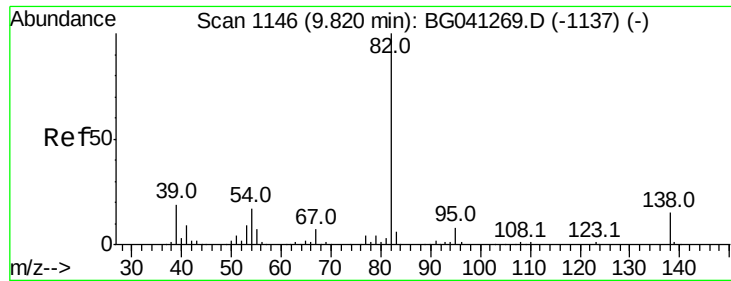
mohammad
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#24
Nitrobenzene
Concen: 41.615 ng
RT: 9.30 min Scan# 1058
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	35.2	30.4	45.6	
65	15.1	13.3	19.9	





#25

Isophorone

Concen: 39.061 ng

RT: 9.82 min Scan# 1146

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

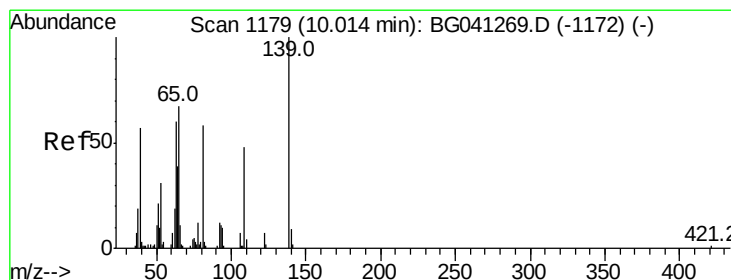
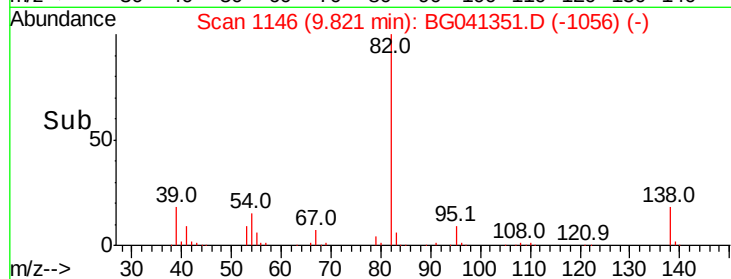
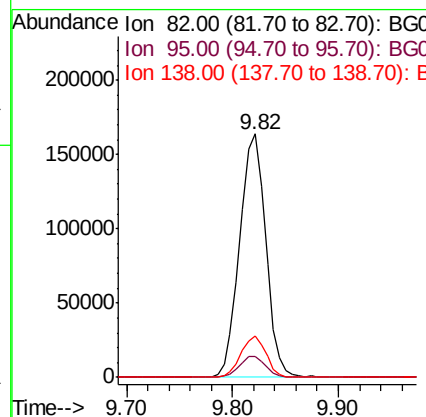
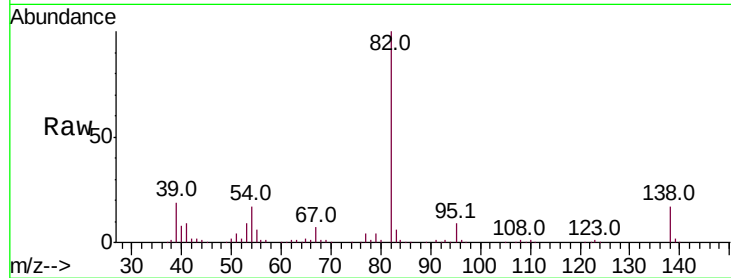
ClientSampleId :

SOILMSD

Tot Ion	82	Resp	280585
Ion Ratio	Lower	Upper	
82	100		
95	8.7	6.6	10.0
138	16.8	12.3	18.5

Manual Integrations
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#26

2-Nitrophenol

Concen: 35.462 ng

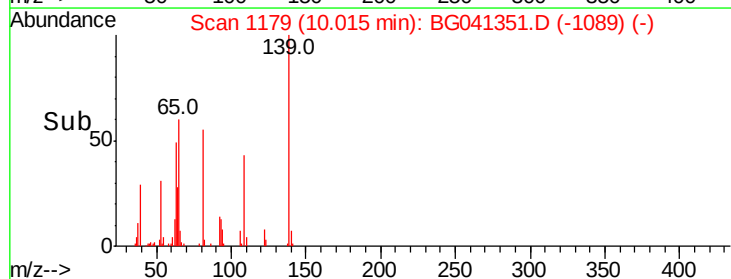
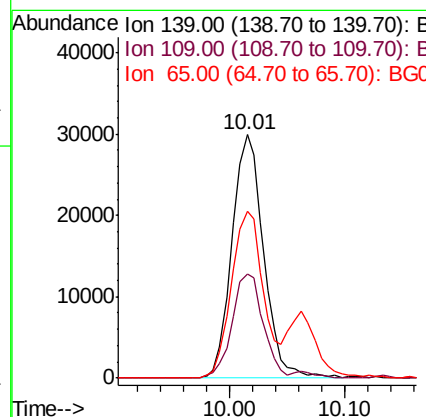
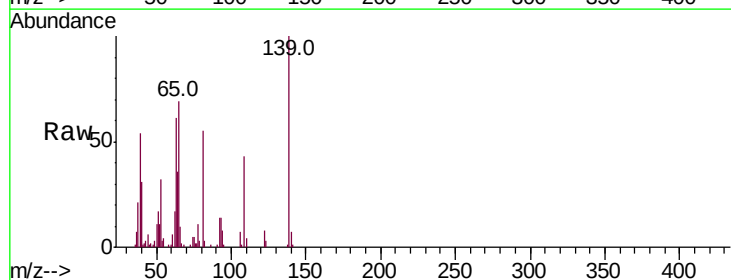
RT: 10.01 min Scan# 1179

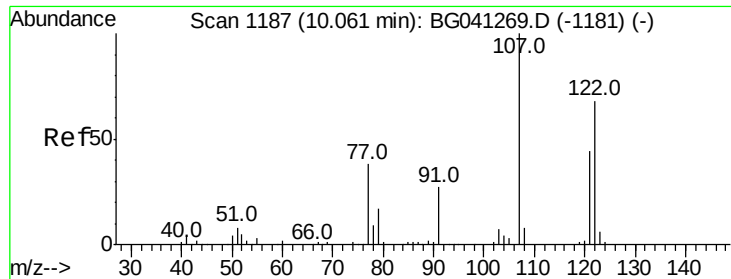
Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Tgt Ion	139	Resp	56614
Ion Ratio	Lower	Upper	
139	100		
109	42.9	38.4	57.6
65	68.7	53.6	80.4





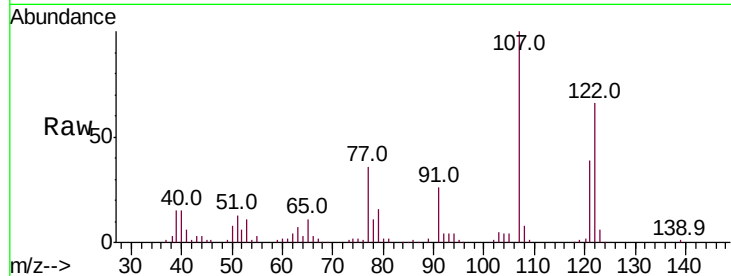
#27
2,4-Dimethylphenol
Concen: 39.098 ng
RT: 10.06 min Scan# 1187
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampled :
SOILMSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	152.6	115.1	172.7
121	59.7	50.1	75.1

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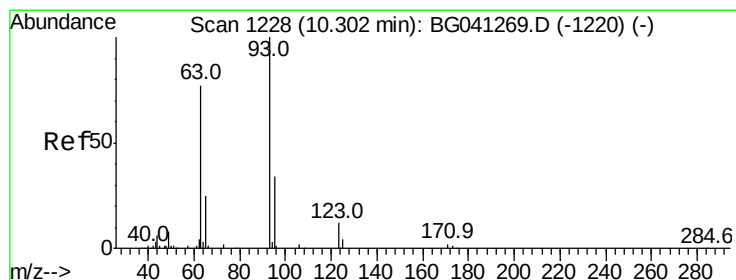
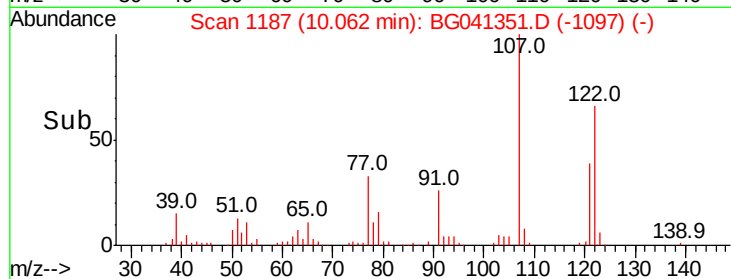
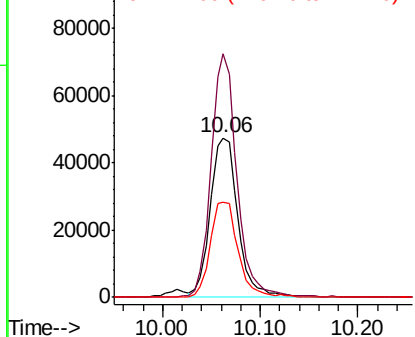


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
bis(2-Chloroethoxy)methane
Concen: 39.932 ng
RT: 10.30 min Scan# 1227
Delta R.T. -0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

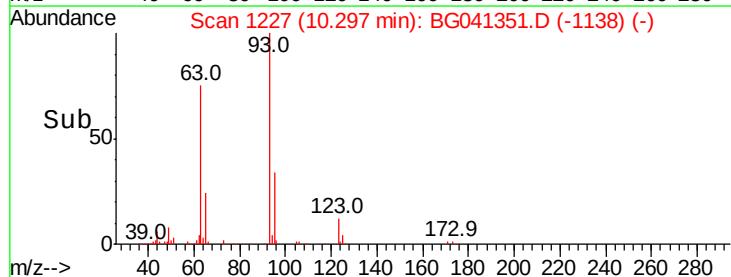
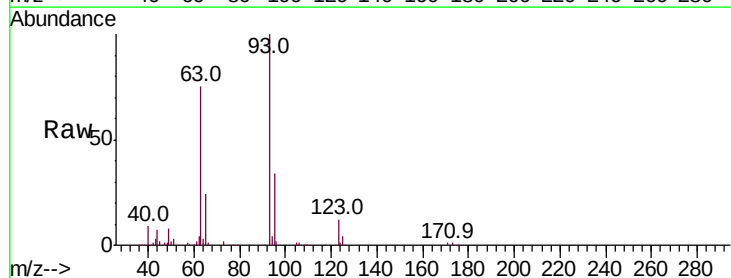
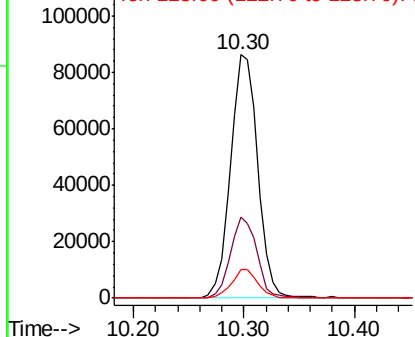
Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.5	27.3	40.9
123	12.0	9.6	14.4

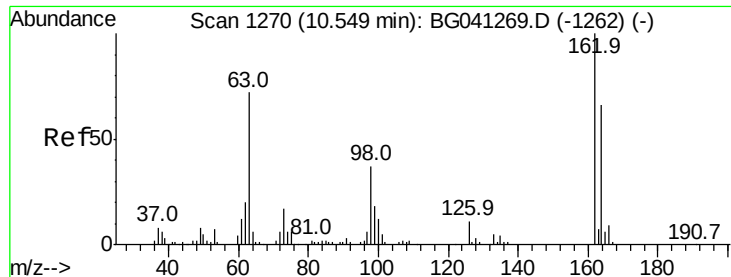
Abundance

Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E





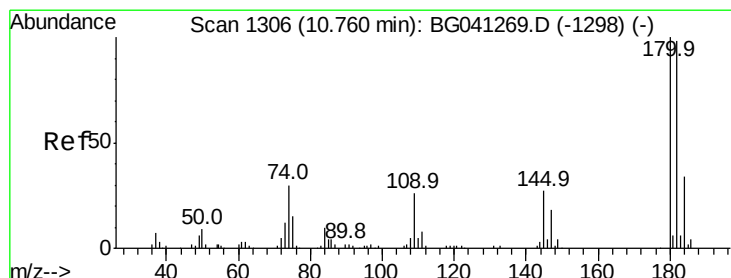
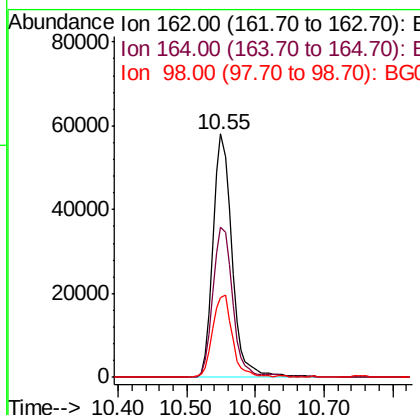
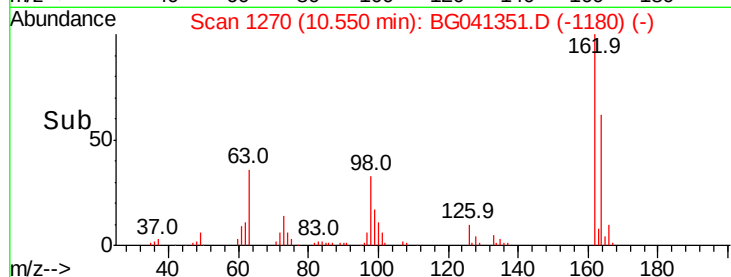
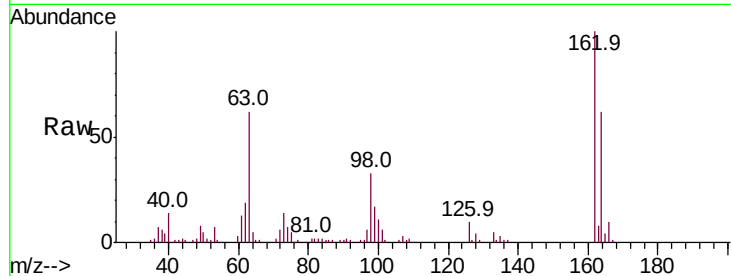
#29
 2,4-Dichlorophenol
 Concen: 37.714 ng
 RT: 10.55 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Instrument :
 BNA_G
 ClientSampleId :
 SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	111903		
164	61.6	46.0	86.0	
98	32.9	17.4	57.4	

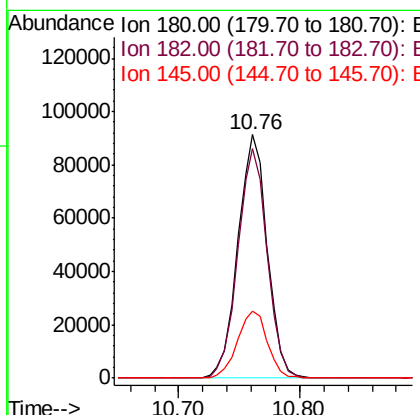
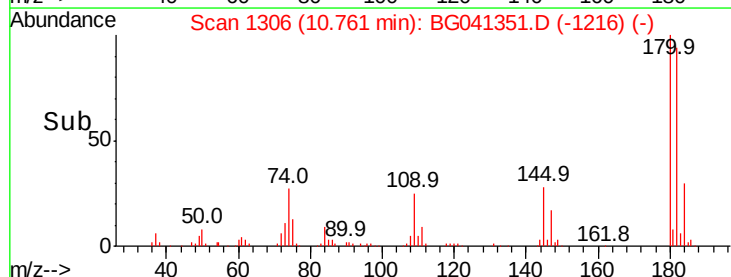
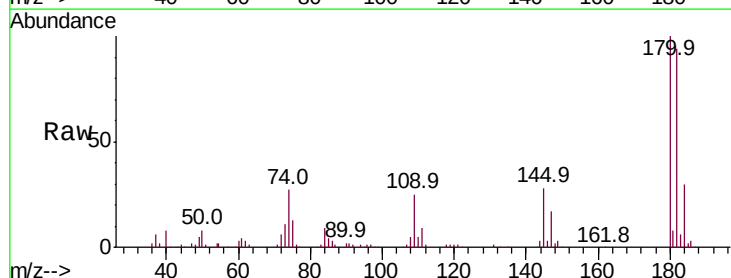
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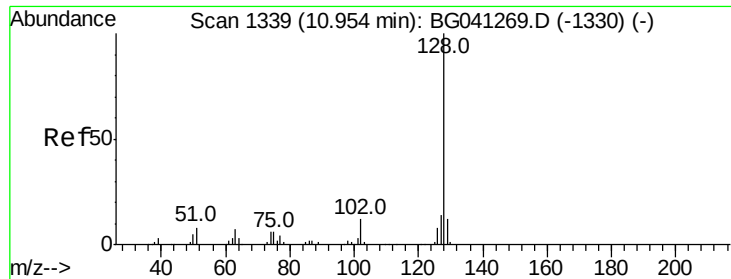
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#30
 1,2,4-Trichlorobenzene
 Concen: 40.585 ng
 RT: 10.76 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	154229		
182	94.0	78.6	117.8	
145	27.7	21.7	32.5	





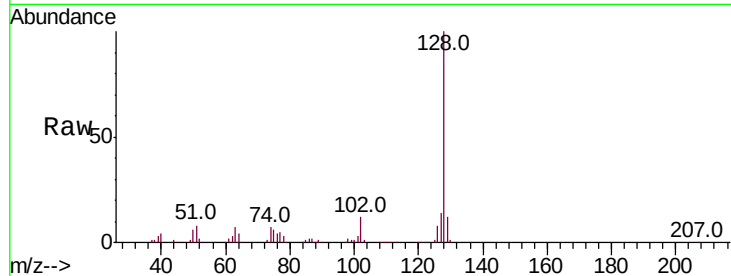
#31
Naphthalene
Concen: 42.089 ng
RT: 10.96 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampled :
SOILMSD

Tot Ion:128	Resp:	376666
Ion Ratio	Lower	Upper
128 100		
129 11.6	9.4	14.0
127 14.1	11.2	16.8

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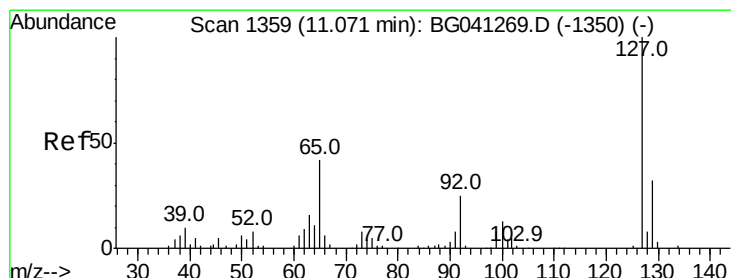
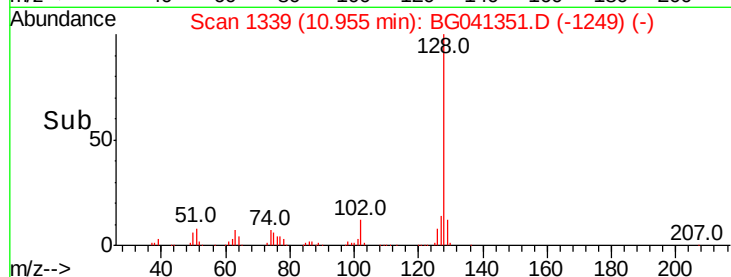
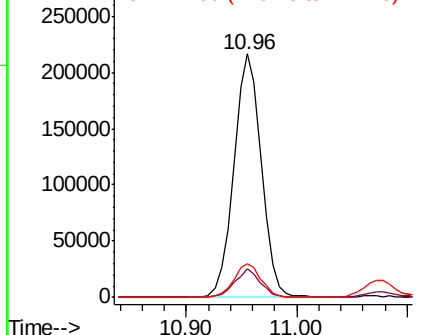


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33
4-Chloroaniline
Concen: 8.827 ng
RT: 11.07 min Scan# 1359
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion:127	Resp:	33548
Ion Ratio	Lower	Upper
127 100		
129 33.7	25.8	38.8
65 45.3	33.8	50.8
92 24.9	20.2	30.4

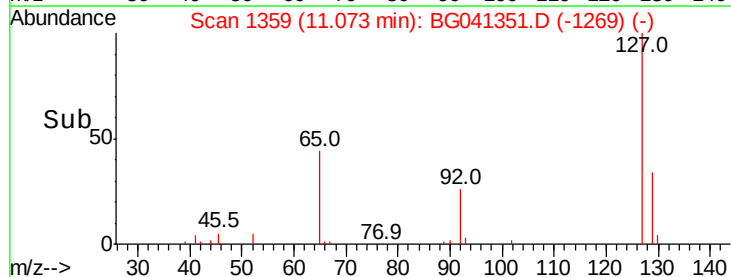
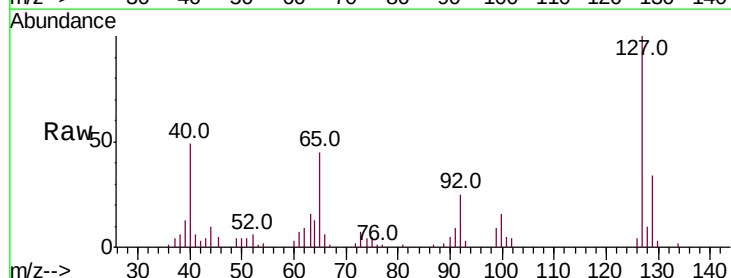
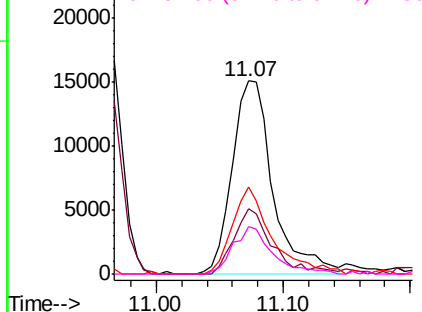
Abundance

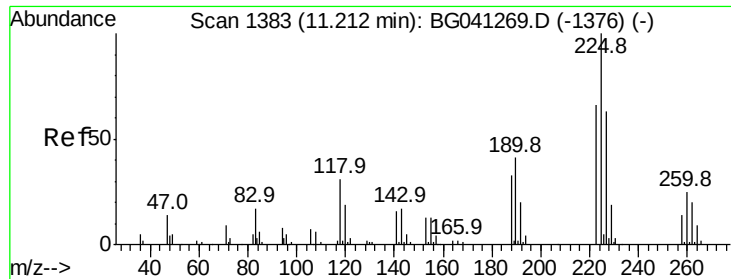
Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC





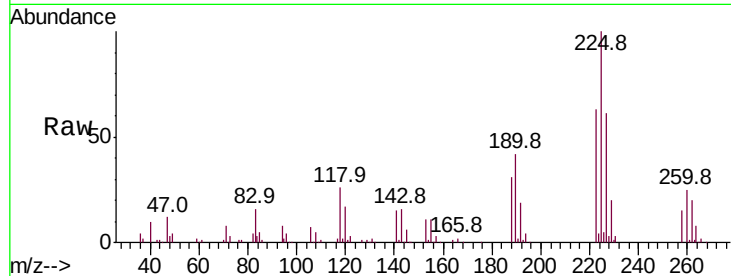
#34
Hexachlorobutadiene
Concen: 37.240 ng
RT: 11.21 min Scan# 1383
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampleId :
SOILMSD

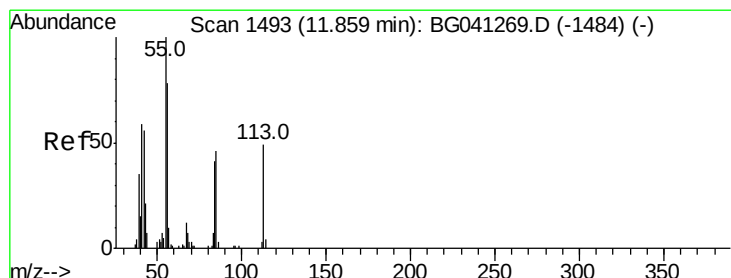
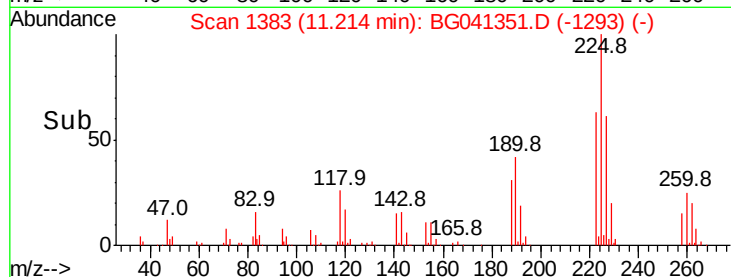
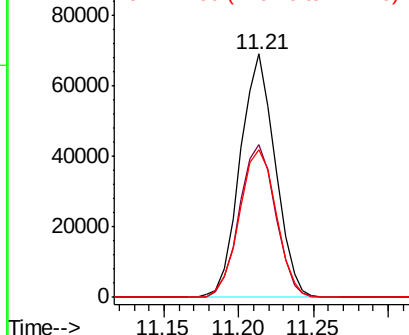
Tot Ion	Ratio	Resp	Lower	Upper
225	100	112332		
223	62.6	52.5	78.7	
227	60.7	50.2	75.2	

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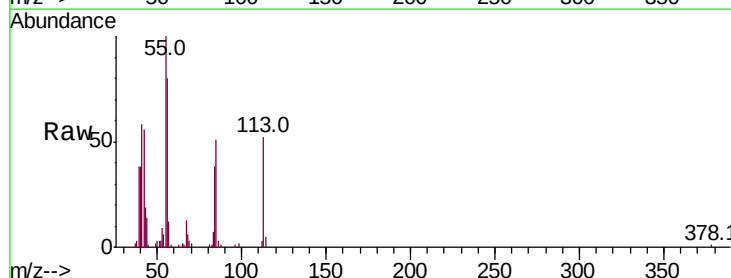


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

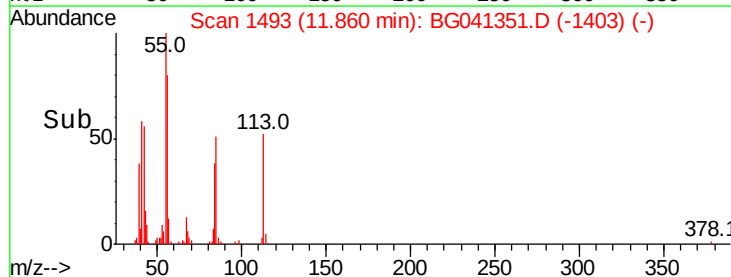
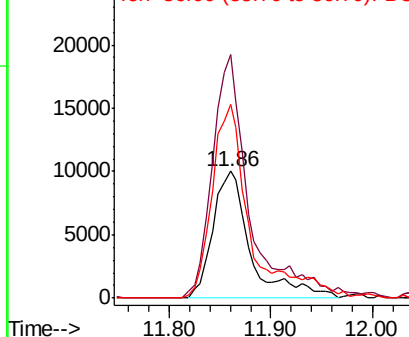


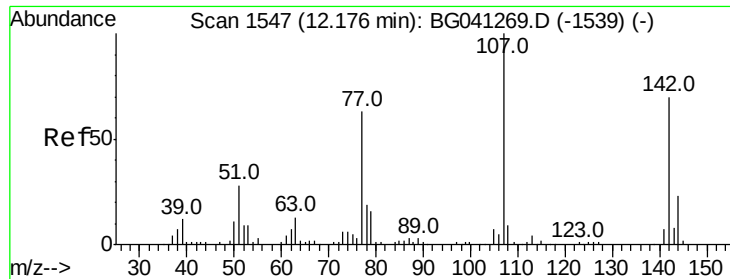
#35
Caprolactam
Concen: 25.317 ng m
RT: 11.86 min Scan# 1493
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	25861		
55	192.1	182.6	222.6	
56	152.9	137.5	177.5	



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BG
Ion 56.00 (55.70 to 56.70): BG





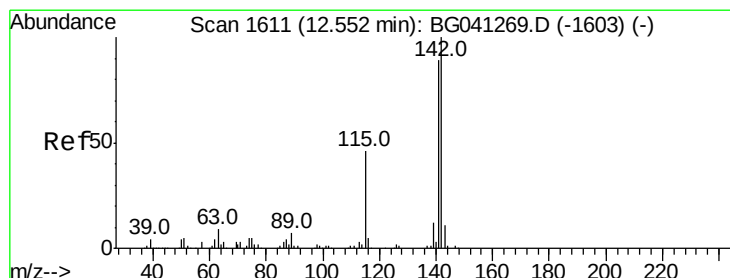
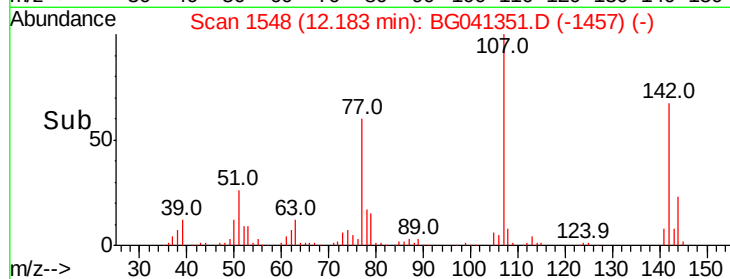
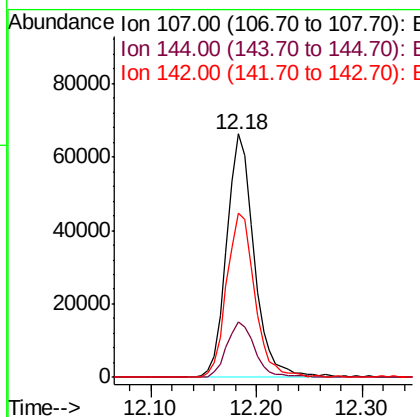
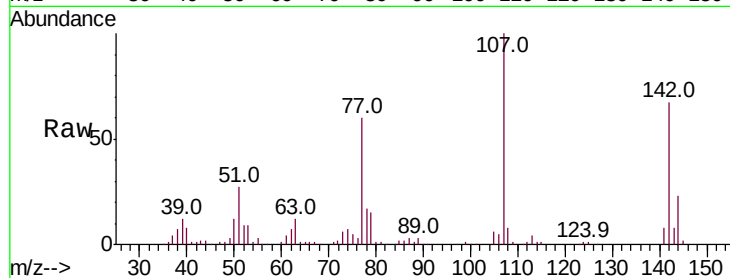
#36
4-Chloro-3-methylphenol
Concen: 34.707 ng
RT: 12.18 min Scan# 1548
Delta R.T. 0.01 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampleId :
SOILMSD

Tot Ion	Ratio	Lower	Upper
107	100		
144	22.5	18.5	27.7
142	67.3	56.3	84.5

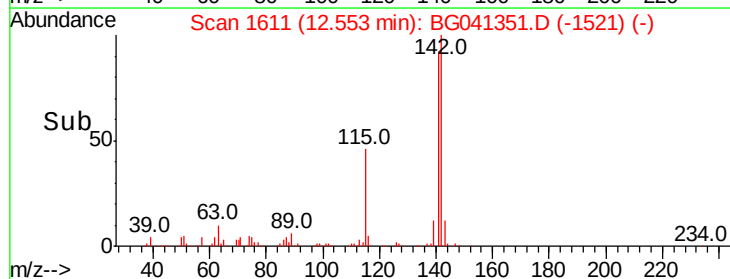
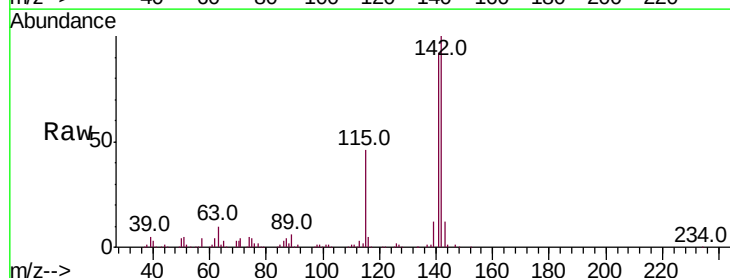
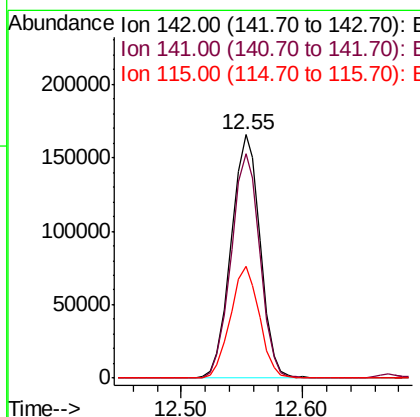
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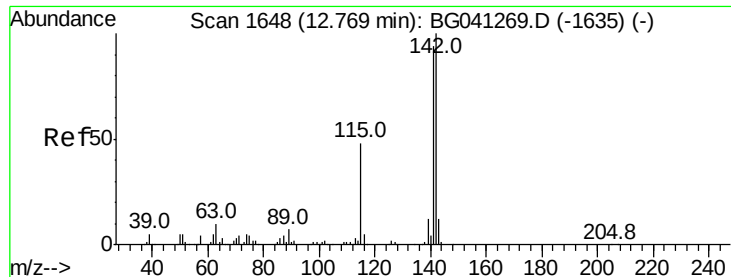
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#37
2-Methylnaphthalene
Concen: 42.044 ng
RT: 12.55 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.0	71.5	107.3
115	45.9	37.0	55.6





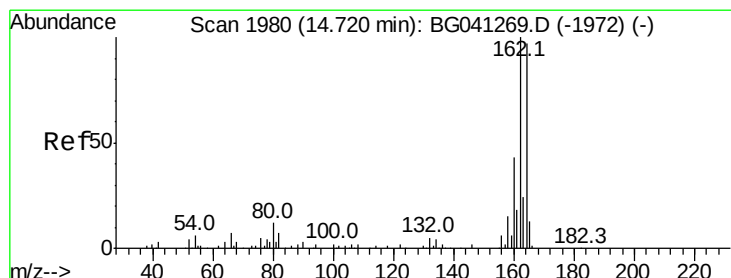
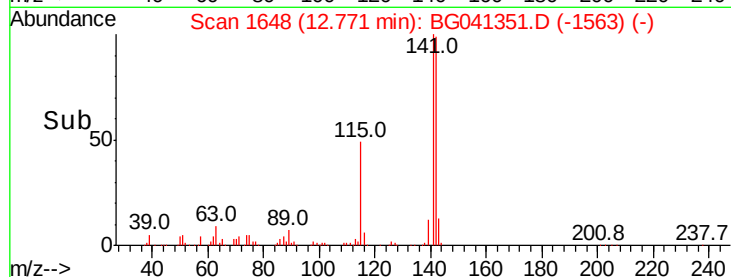
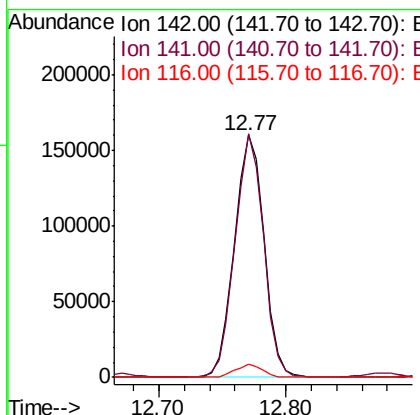
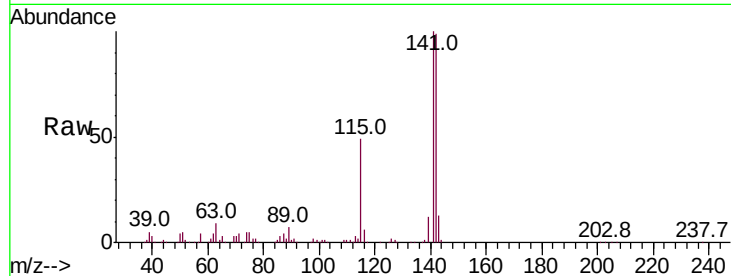
#38
1-Methylnaphthalene
Concen: 40.952 ng
RT: 12.77 min Scan# 1648
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampleId :
SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
142	100	258259		
141	100.6	75.0	112.6	
116	5.6	4.2	6.2	

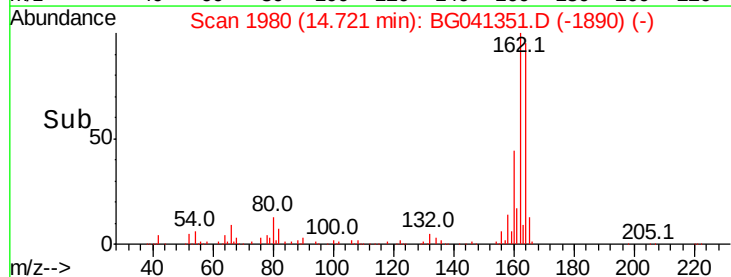
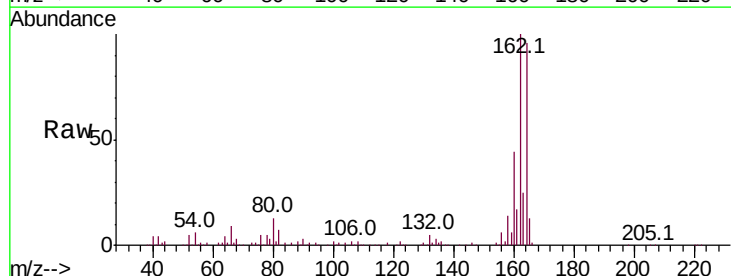
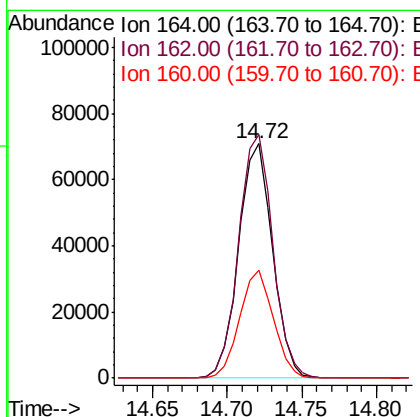
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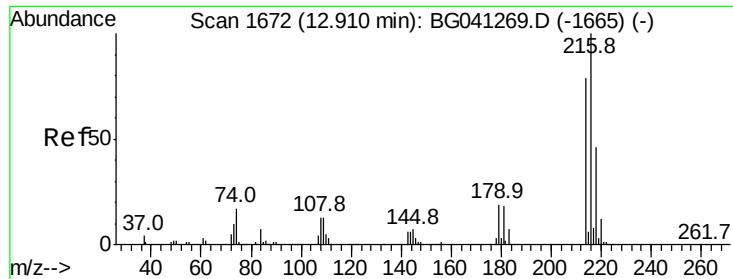
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1980
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	111695		
162	104.0	82.8	124.2	
160	46.2	35.8	53.8	





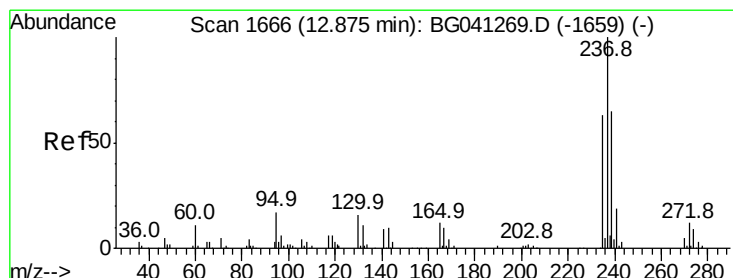
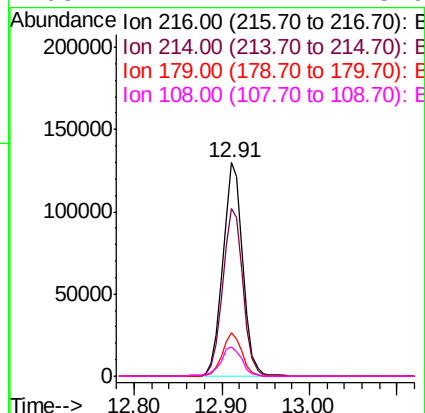
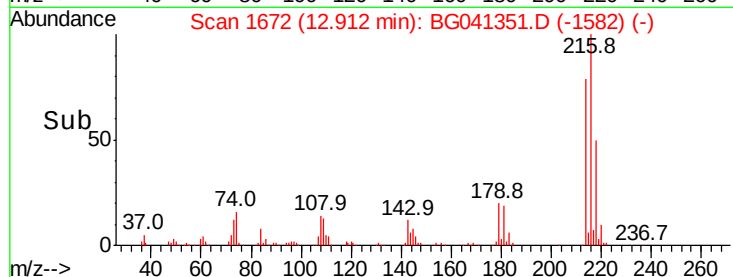
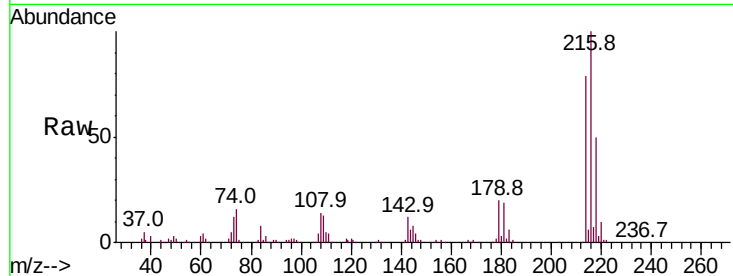
#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 44.279 ng
 RT: 12.91 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Instrument :
 BNA_G
 ClientSampleId :
 SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	204223		
214	80.0	62.8	94.2	
179	19.8	15.2	22.8	
108	14.7	12.4	18.6	

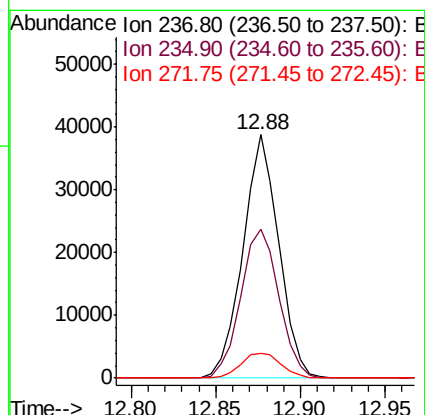
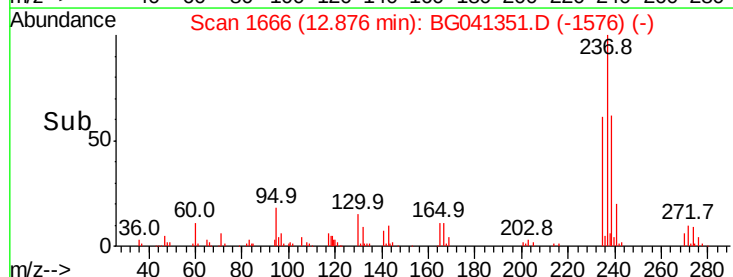
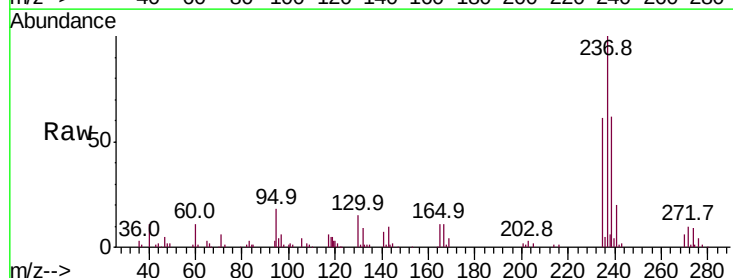
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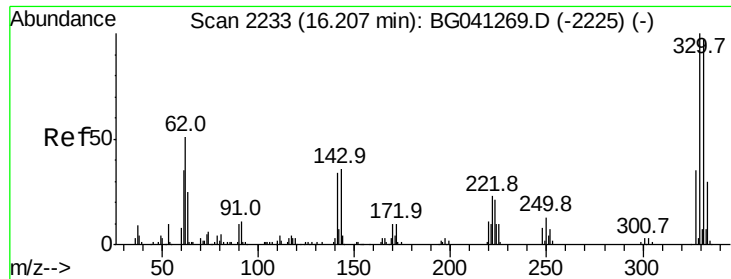
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#41
 Hexachlorocyclopentadiene
 Concen: 18.446 ng
 RT: 12.88 min Scan# 1666
 Delta R.T. 0.00 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	57308		
235	61.1	42.9	82.9	
272	10.3	0.0	32.0	





#42

2,4,6-Tribromophenol

Concen: 103.771 ng

RT: 16.21 min Scan# 2233

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

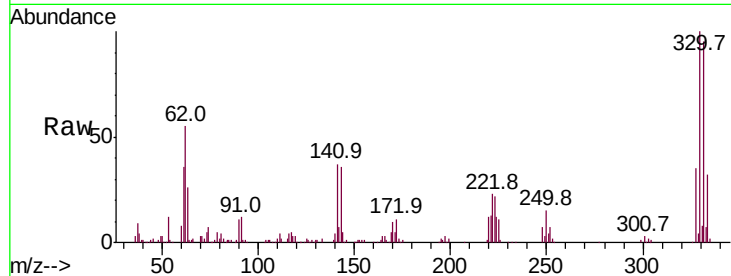
ClientSampleId :

SOILMSD

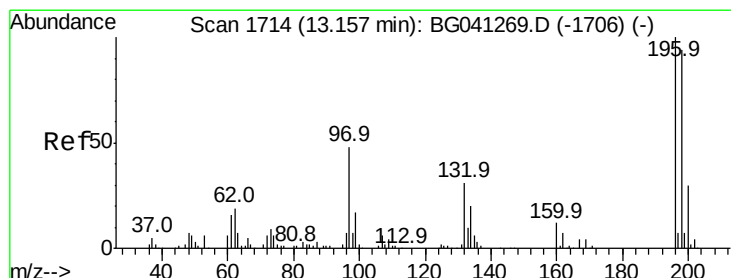
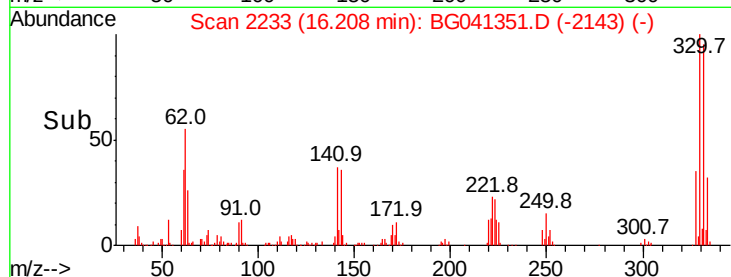
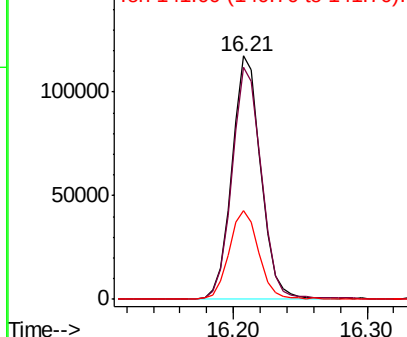
Tot Ion:	330	Resp:	177943
Ion Ratio	Lower	Upper	
330	100		
332	96.3	75.5	113.3
141	37.4	29.0	43.4

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



#43

2,4,6-Trichlorophenol

Concen: 36.527 ng

RT: 13.16 min Scan# 1714

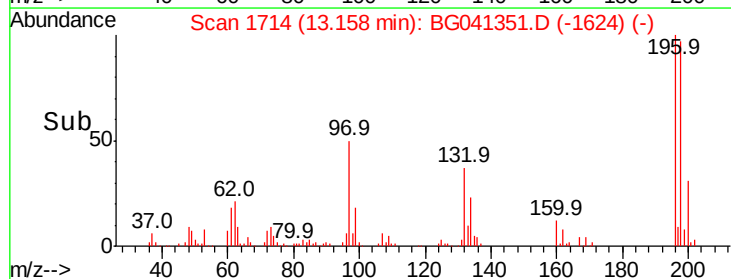
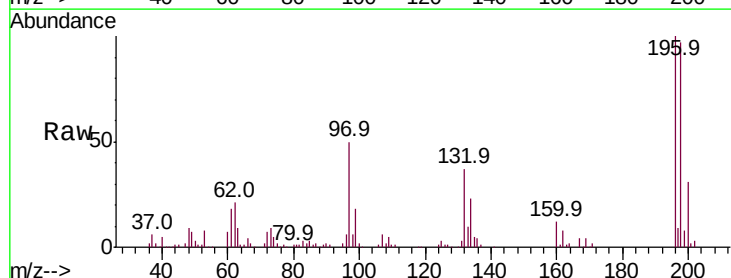
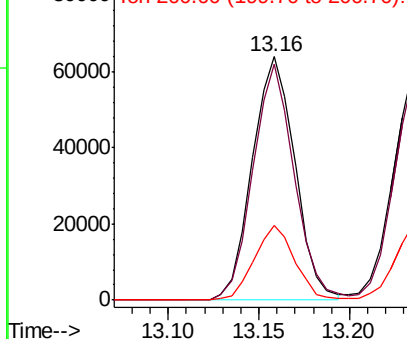
Delta R.T. 0.00 min

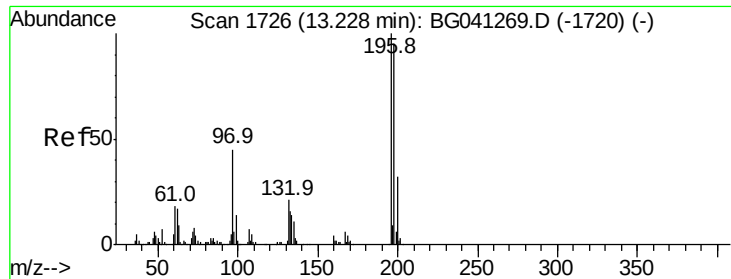
Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Tgt Ion:	196	Resp:	104217
Ion Ratio	Lower	Upper	
196	100		
198	97.0	74.9	112.3
200	30.9	24.2	36.2

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





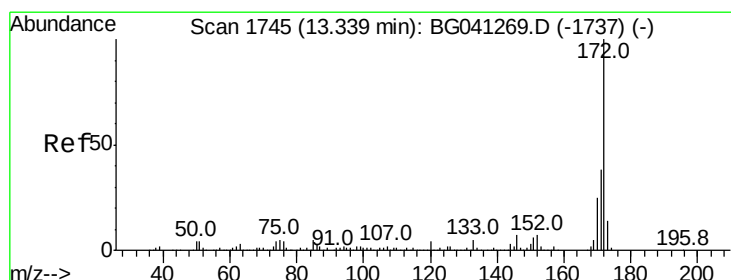
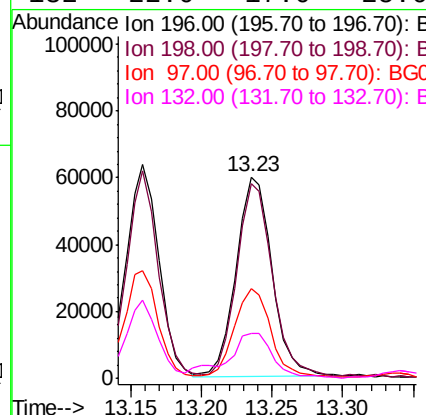
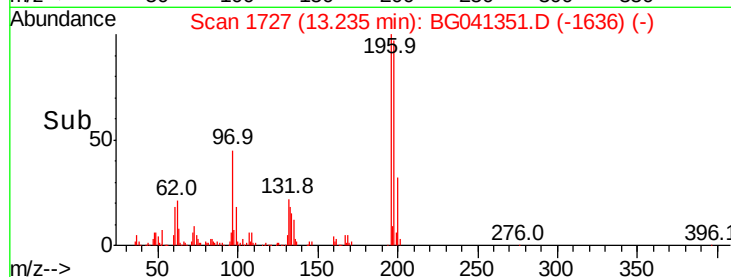
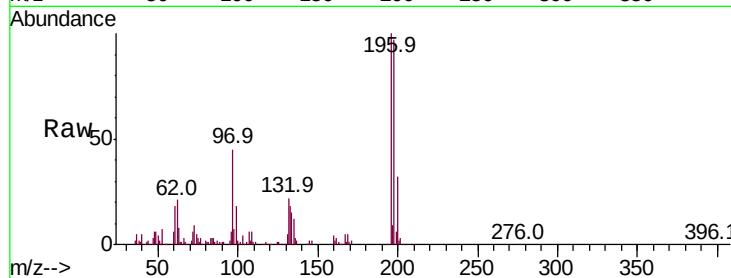
#44
2,4,5-Trichlorophenol
Concen: 36.201 ng
RT: 13.23 min Scan# 1727
Delta R.T. 0.01 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampleId :
SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	106277		
198	96.8	76.1	114.1	
97	44.7	35.9	53.9	
132	22.0	17.0	25.6	

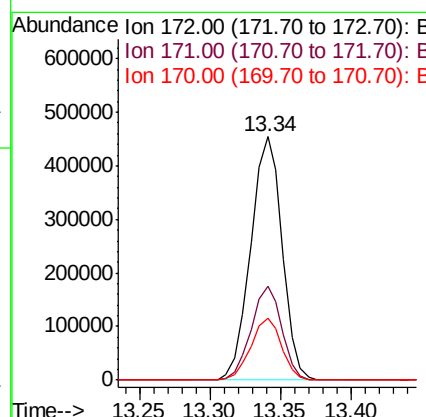
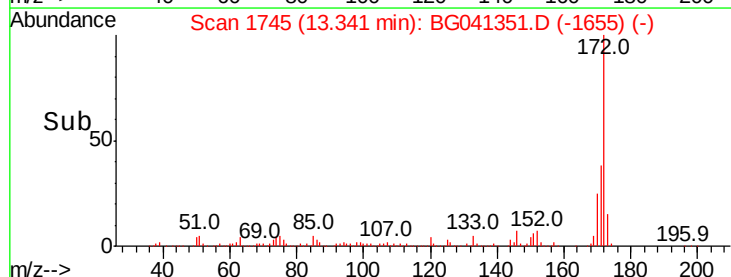
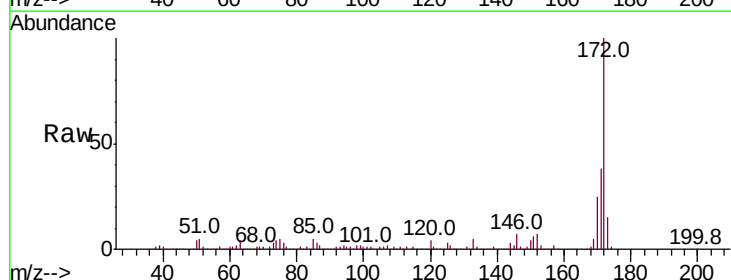
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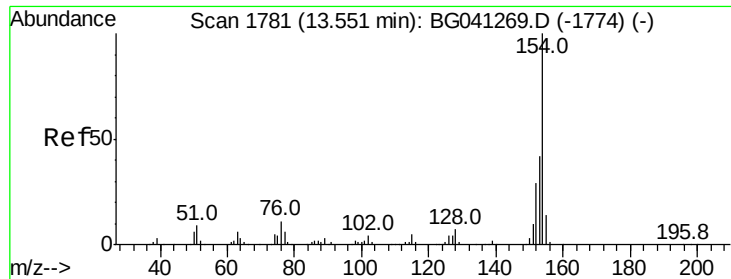
mohammad
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#45
2-Fluorobiphenyl
Concen: 86.450 ng
RT: 13.34 min Scan# 1745
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	710440		
171	38.3	30.0	45.0	
170	25.2	19.8	29.6	





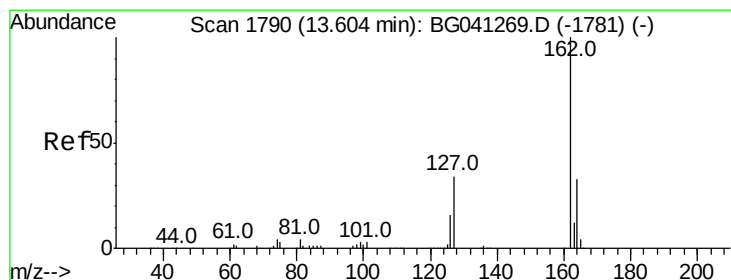
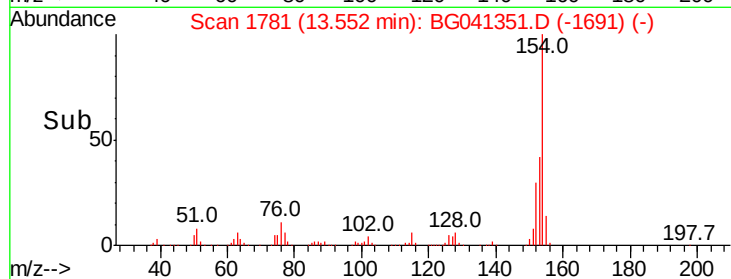
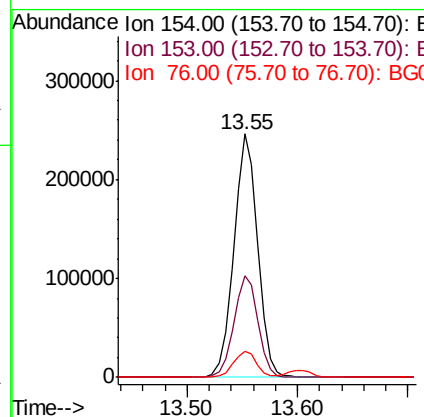
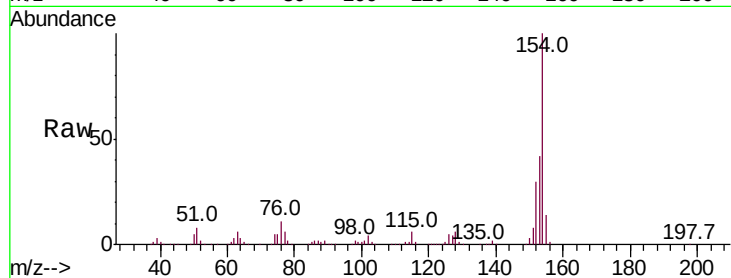
#46
 1,1'-Biphenyl
 Concen: 43.694 ng
 RT: 13.55 min Scan# 1781
 Delta R.T. 0.00 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Instrument :
 BNA_G
 ClientSampleId :
 SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	41.9	22.3	62.3	
76	10.7	0.0	30.8	

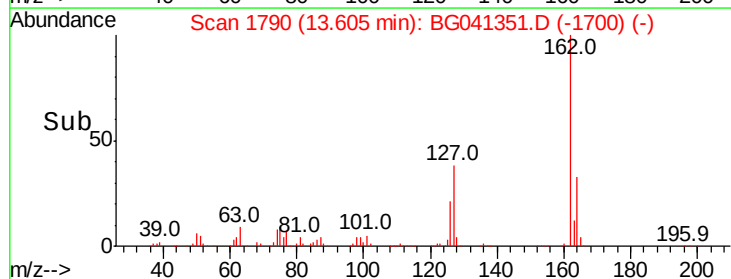
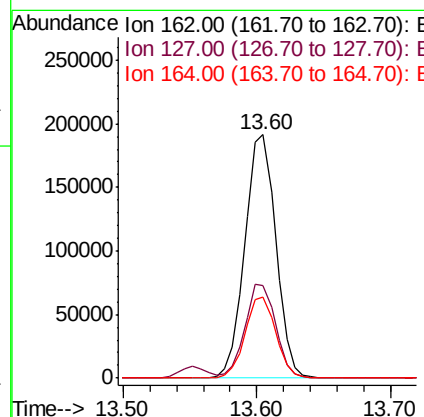
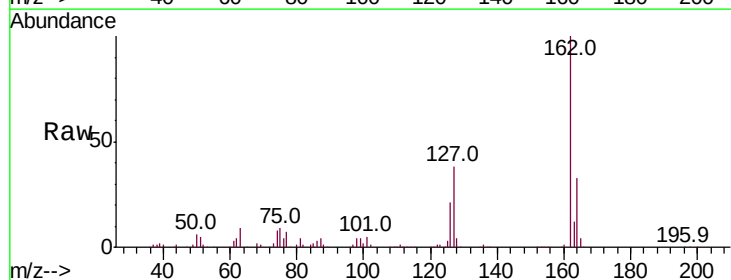
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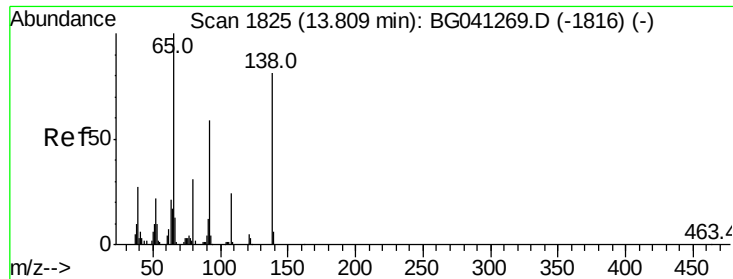
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#47
 2-Chloronaphthalene
 Concen: 42.165 ng
 RT: 13.60 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
127	38.0	31.0	46.4	
164	33.4	26.1	39.1	





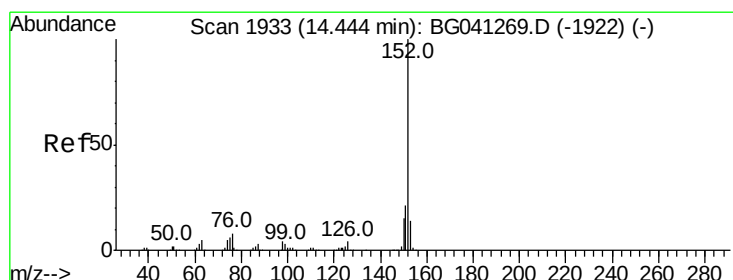
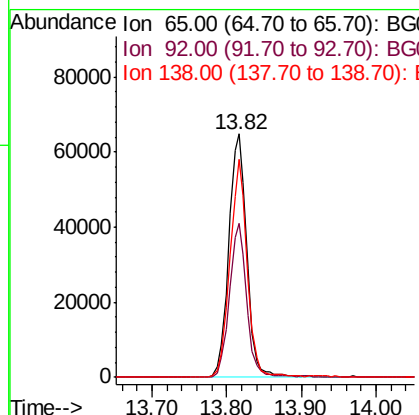
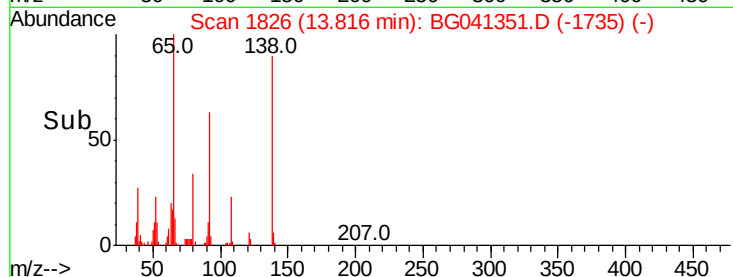
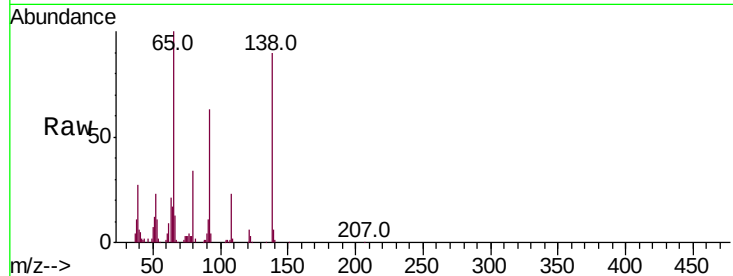
#48
2-Nitroaniline
Concen: 41.198 ng
RT: 13.82 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampleId :
SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
92	63.1	47.4	71.2	
138	89.6	64.7	97.1	

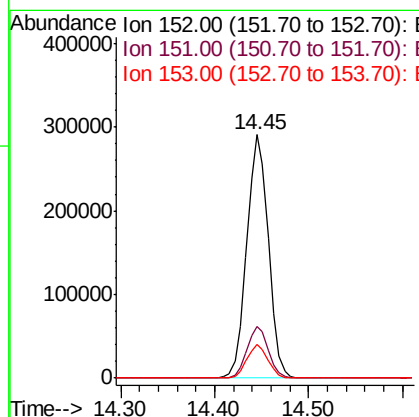
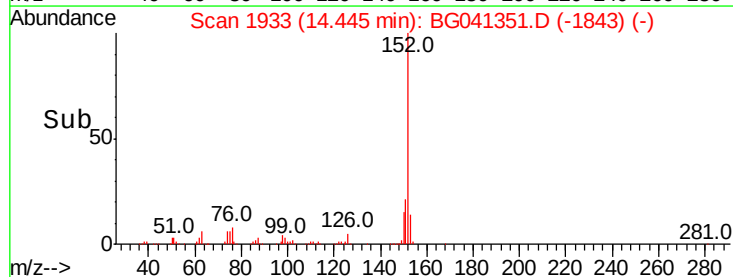
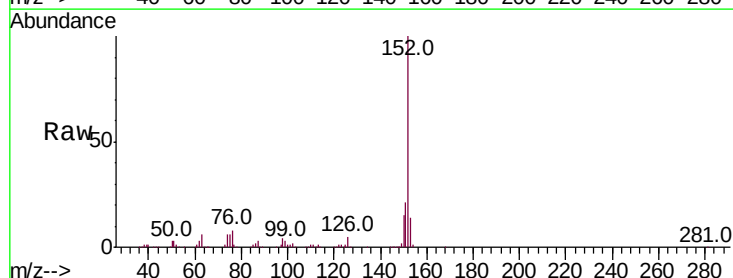
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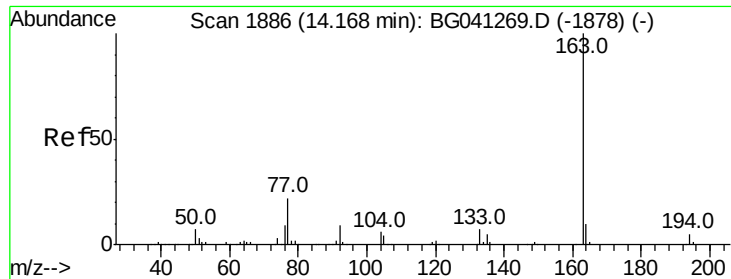
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#49
Acenaphthylene
Concen: 41.687 ng
RT: 14.45 min Scan# 1933
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	21.2	16.8	25.2	
153	13.8	10.8	16.2	





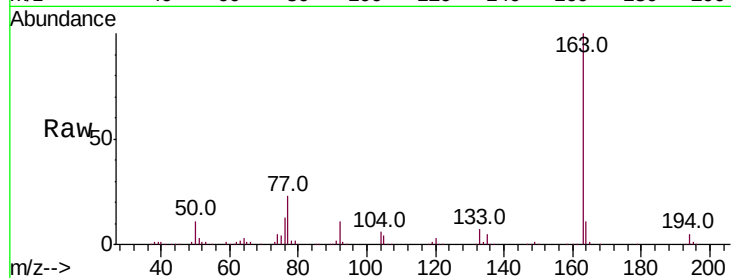
#50
Dimethylphthalate
Concen: 39.468 ng
RT: 14.17 min Scan# 1886
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampleId :
SOILMSD

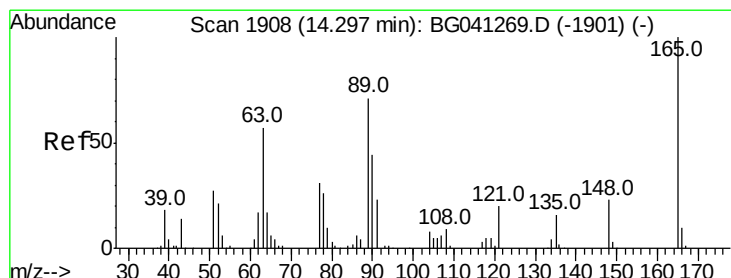
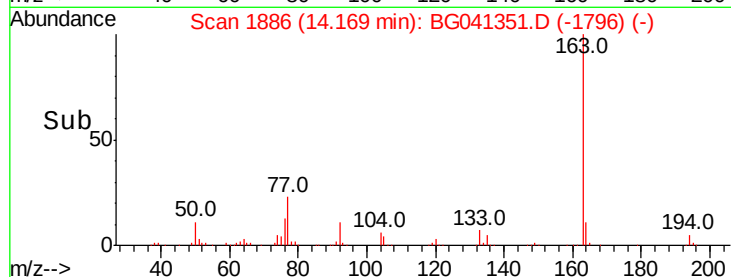
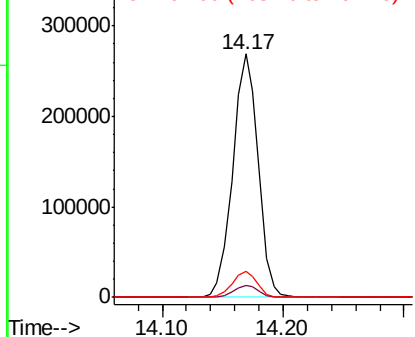
Tot Ion	Ratio	Resp	Lower	Upper
163	100	392240		
194	5.2		3.9	5.9
164	10.7		8.3	12.5

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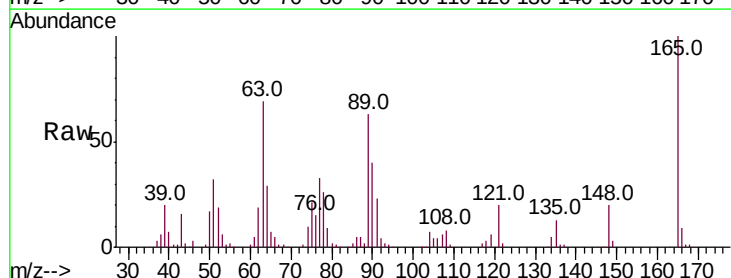


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

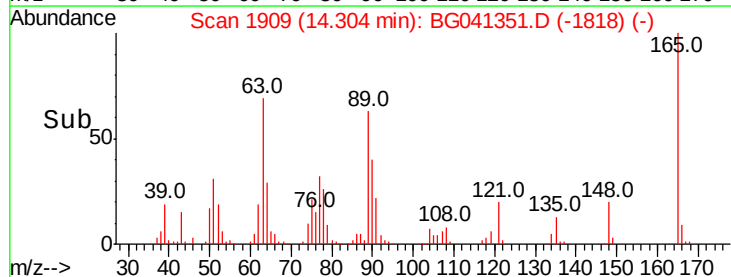
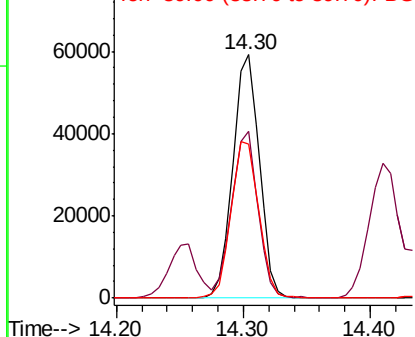


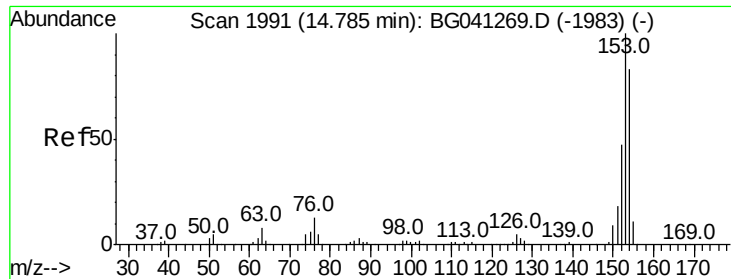
#51
2,6-Dinitrotoluene
Concen: 40.657 ng
RT: 14.30 min Scan# 1909
Delta R.T. 0.01 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	85197		
63	68.8		55.4	83.0
89	63.3		56.5	84.7



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 41.836 ng

RT: 14.79 min Scan# 1991

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

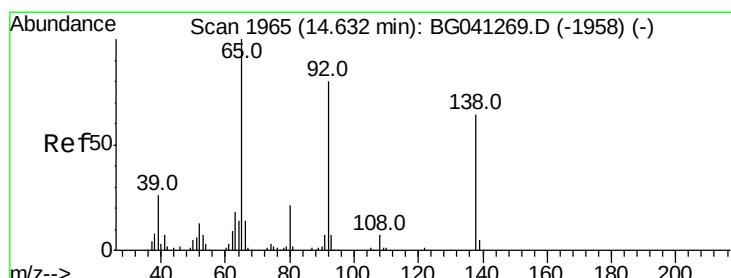
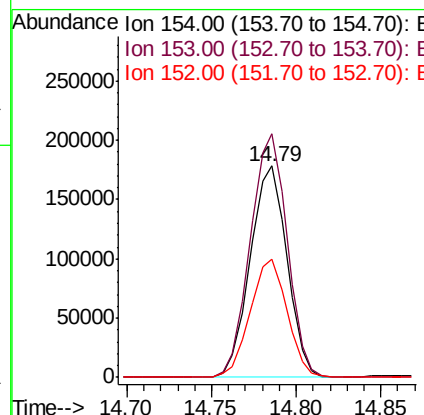
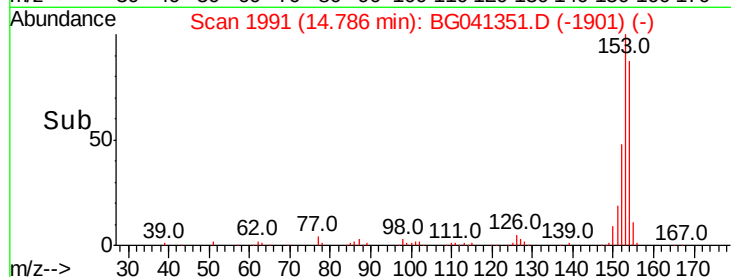
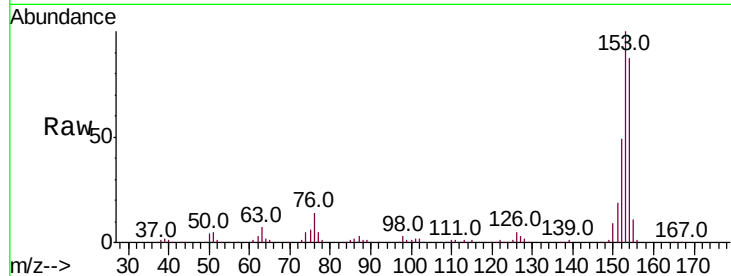
ClientSampled :

SOILMSD

Tot Ion:	154	Resp:	271011
Ion Ratio	Lower	Upper	
154	100		
153	115.2	96.6	145.0
152	56.2	45.5	68.3

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#53

3-Nitroaniline

Concen: 22.404 ng

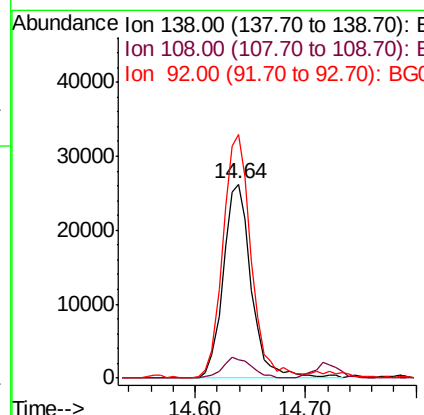
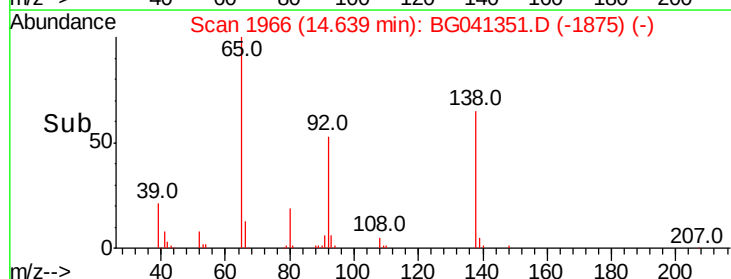
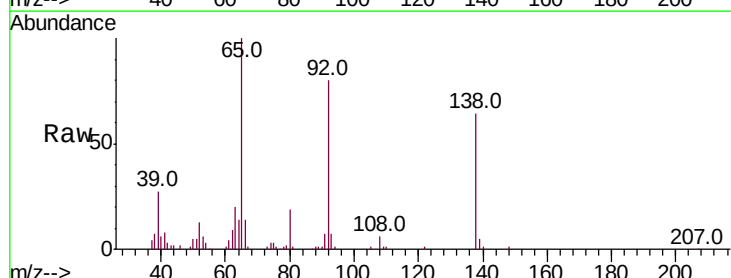
RT: 14.64 min Scan# 1966

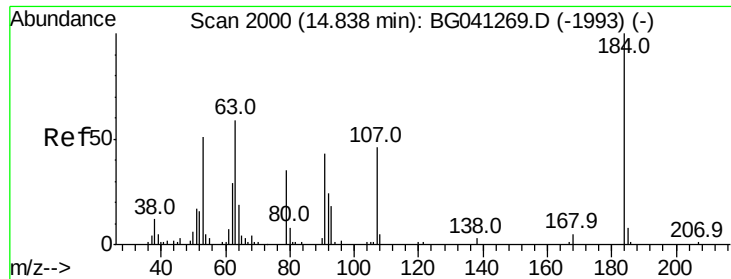
Delta R.T. 0.01 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Tgt Ion:	138	Resp:	46254
Ion Ratio	Lower	Upper	
138	100		
108	9.7	8.3	12.5
92	125.3	100.2	150.4





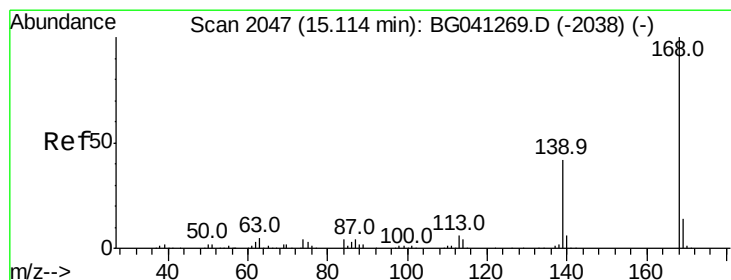
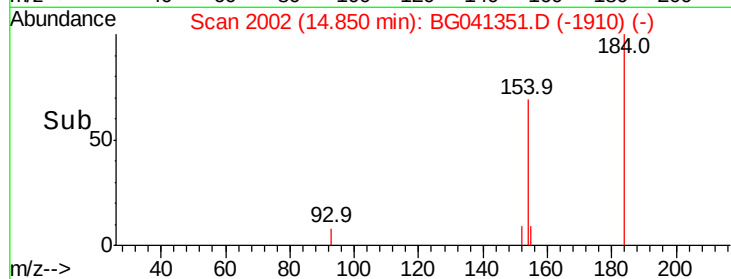
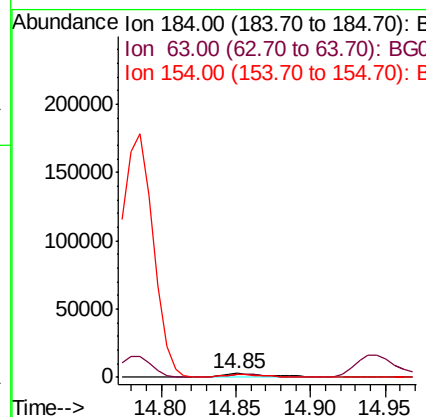
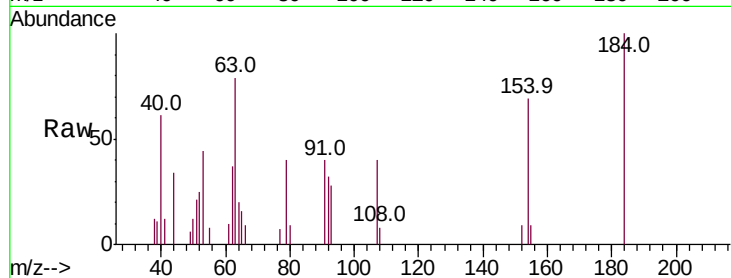
#54
2,4-Dinitrophenol
Concen: 8.876 ng
RT: 14.85 min Scan# 2002
Delta R.T. 0.01 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampled :
SOILMSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	79.3	60.0	90.0
154	78.3	58.3	87.5

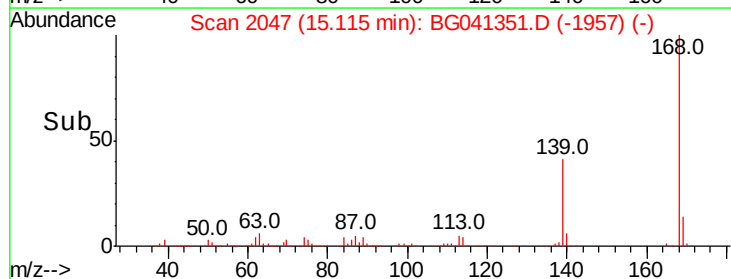
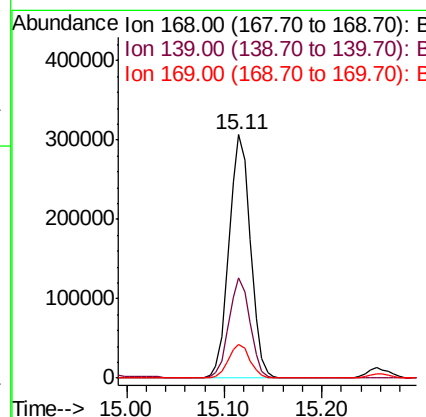
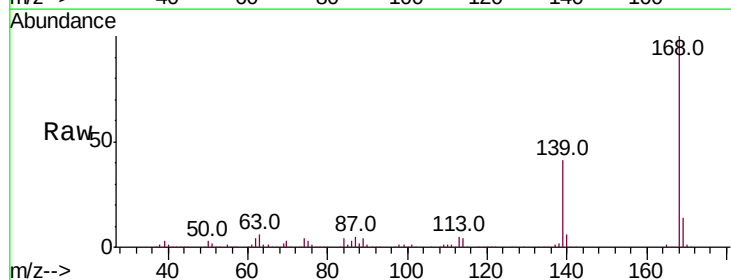
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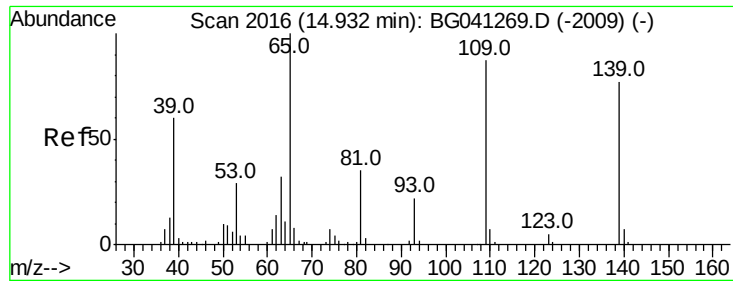
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#55
Dibenzofuran
Concen: 41.597 ng
RT: 15.11 min Scan# 2047
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Lower	Upper
168	100		
139	41.0	33.6	50.4
169	14.1	10.8	16.2





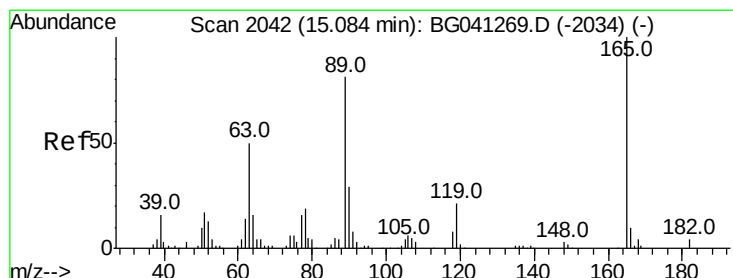
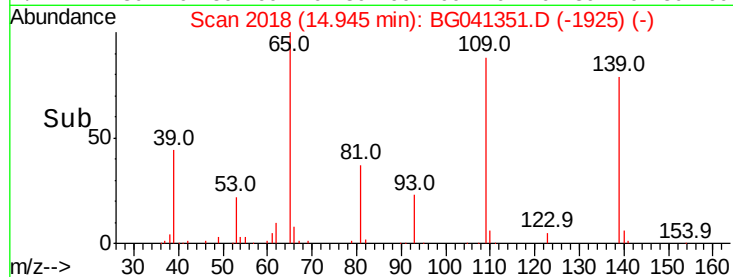
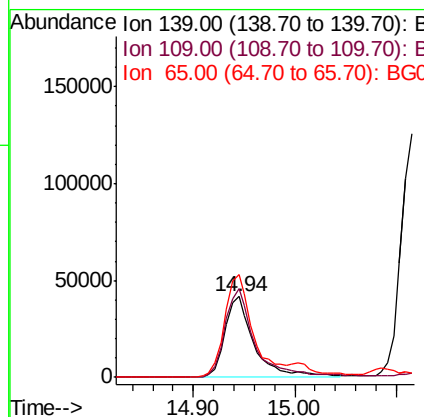
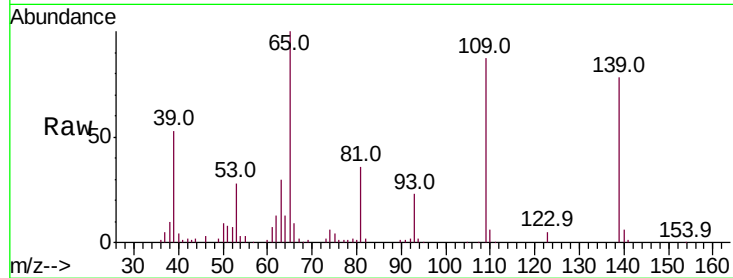
#56
4-Nitrophenol
Concen: 54.497 ng
RT: 14.94 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampled :
SOILMSD

Tot Ion	Ratio	Lower	Upper
139	100		
109	110.9	93.2	133.2
65	128.1	110.2	150.2

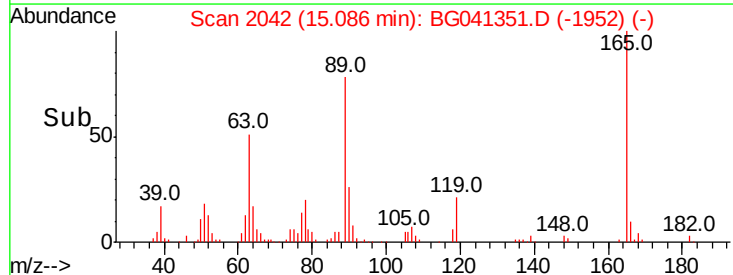
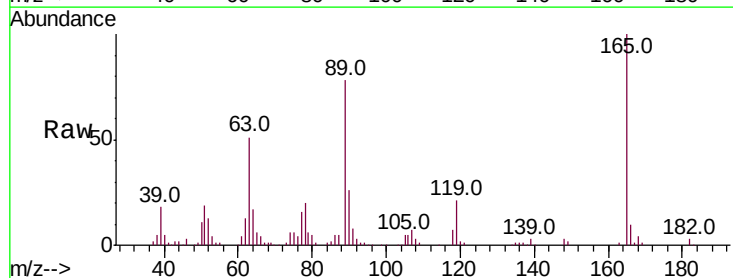
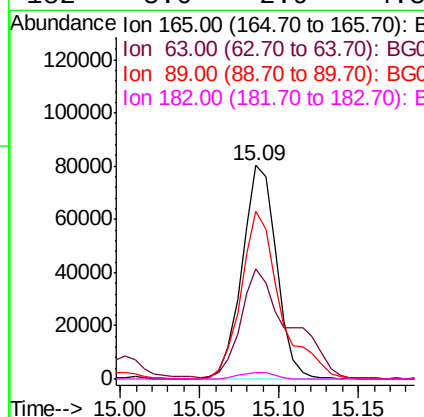
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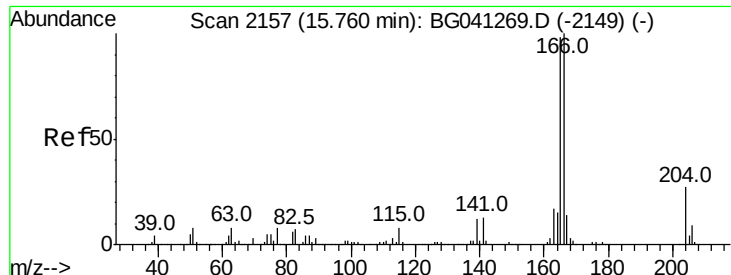
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#57
2,4-Dinitrotoluene
Concen: 39.353 ng
RT: 15.09 min Scan# 2042
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	51.4	40.0	60.0
89	78.5	64.6	96.8
182	3.0	2.9	4.3





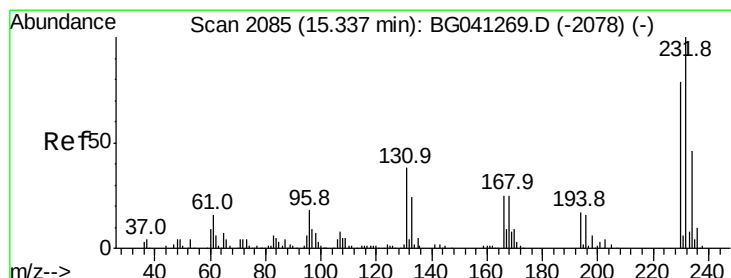
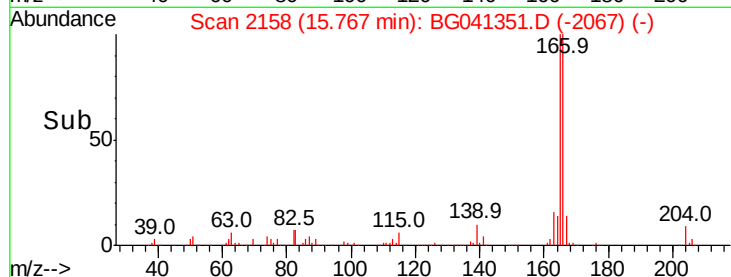
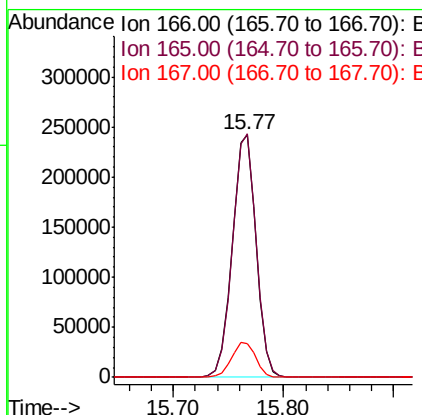
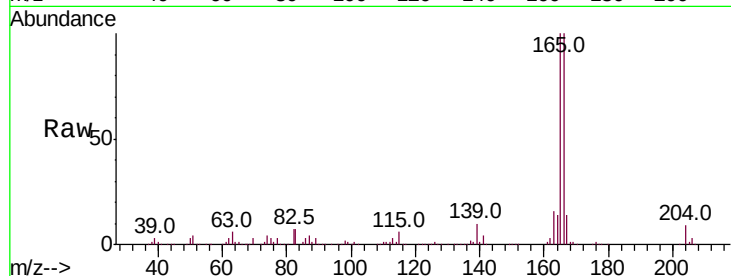
#58
 Fluorene
 Concen: 41.293 ng
 RT: 15.77 min Scan# 2158
 Delta R.T. 0.01 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Instrument :
 BNA_G
 ClientSampleId :
 SOILMSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.3	78.8	118.2
167	14.0	11.3	16.9

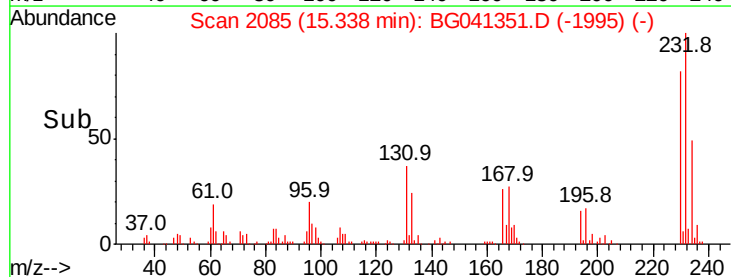
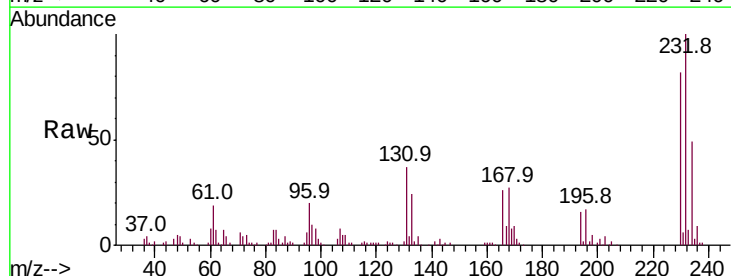
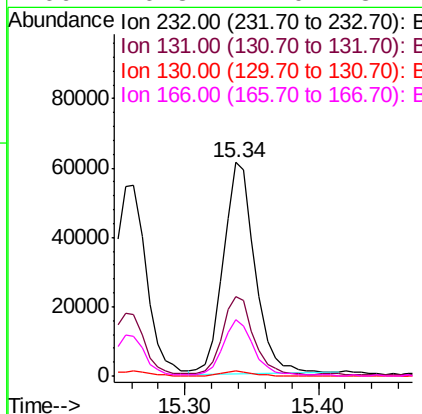
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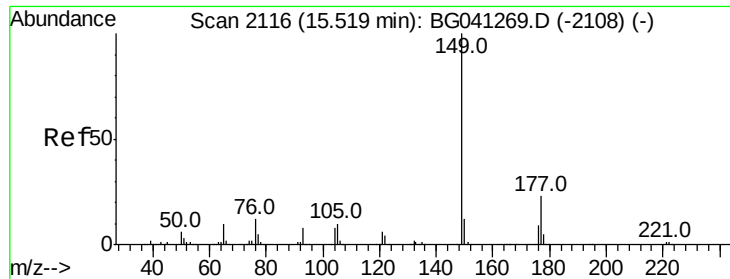
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#59
 2,3,4,6-Tetrachlorophenol
 Concen: 33.047 ng
 RT: 15.34 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Lower	Upper
232	100		
231	37.0	29.0	43.6
130	2.3	1.6	2.4
166	26.8	21.0	31.4





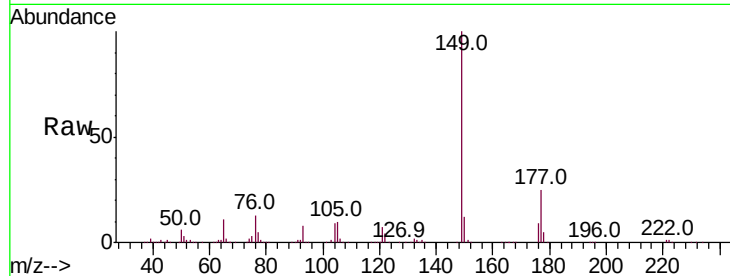
#60
Diethylphthalate
Concen: 39.066 ng
RT: 15.52 min Scan# 2116
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampleId :
SOILMSD

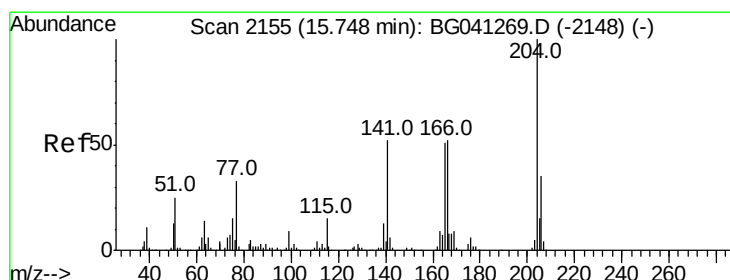
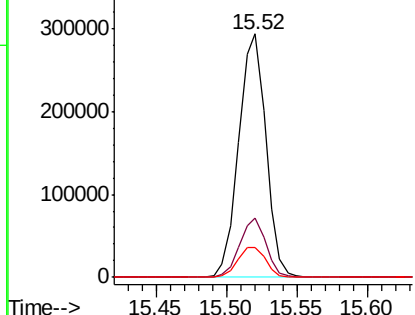
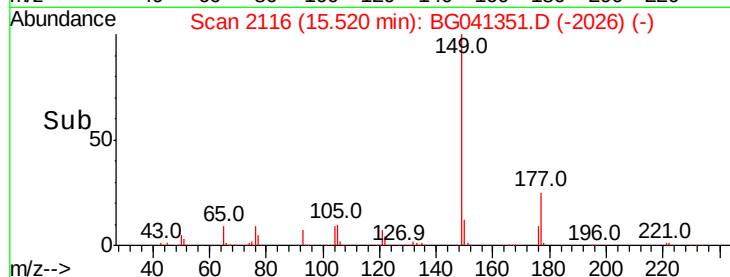
Tot Ion	Ratio	Resp Lower	Upper
149	100		
177	24.6	18.4	27.6
150	12.3	9.9	14.9

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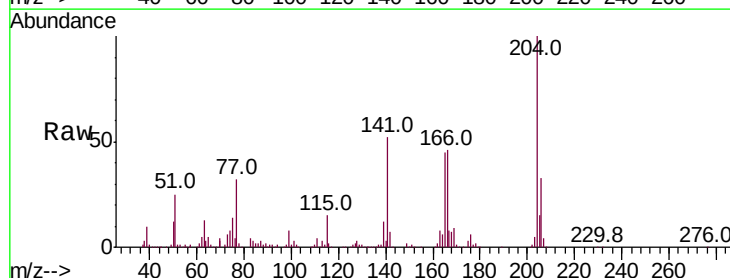


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

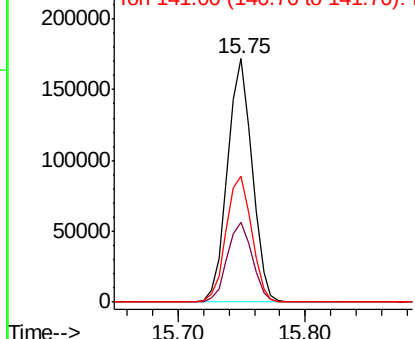
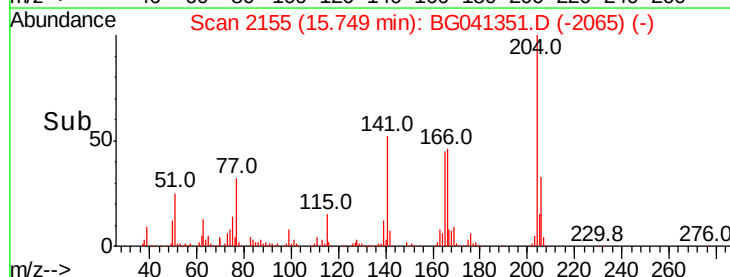


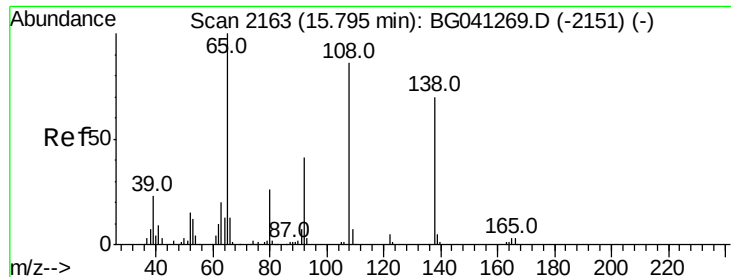
#61
4-Chlorophenyl-phenylether
Concen: 40.039 ng
RT: 15.75 min Scan# 2155
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Resp Lower	Upper
204	100		
206	32.7	27.9	41.9
141	51.8	41.4	62.0



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#62

4-Nitroaniline

Concen: 35.985 ng

RT: 15.80 min Scan# 2164

Delta R.T. 0.01 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

ClientSampleId :

SOILMSD

Tot Ion:138 Resp: 79459

Ion Ratio Lower Upper

138 100

92 63.8 38.8 78.8

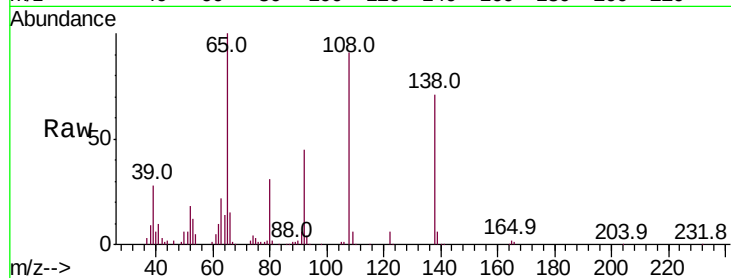
108 129.1 103.4 143.4

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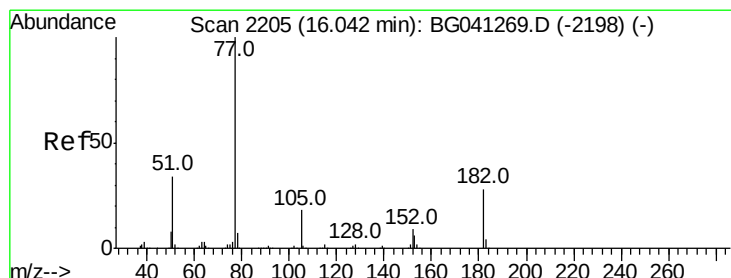
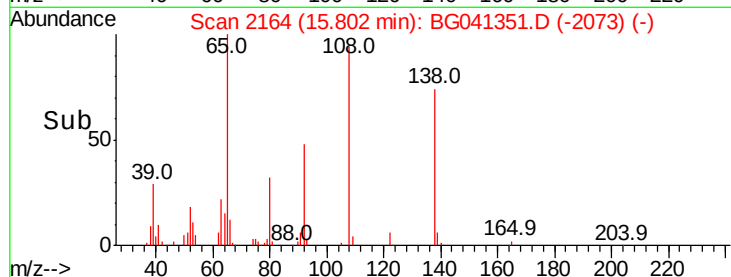
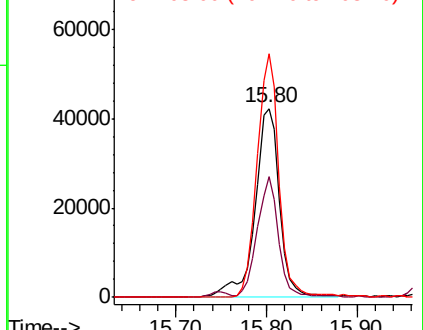
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Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E



#63

Azobenzene

Concen: 40.544 ng

RT: 16.04 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Tgt Ion: 77 Resp: 365368

Ion Ratio Lower Upper

77 100

182 29.0 7.5 47.5

105 17.9 0.0 37.7

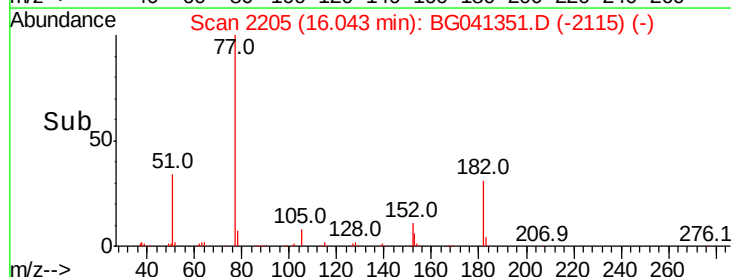
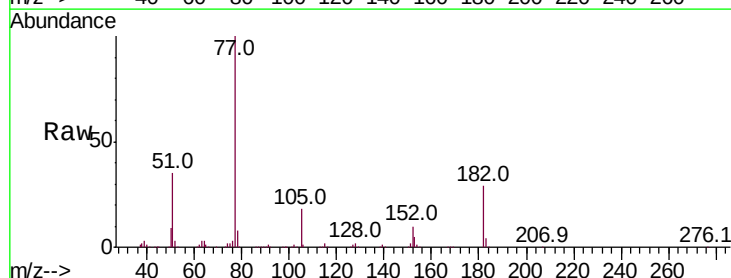
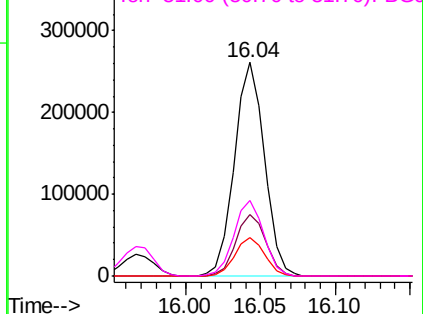
51 35.2 14.6 54.6

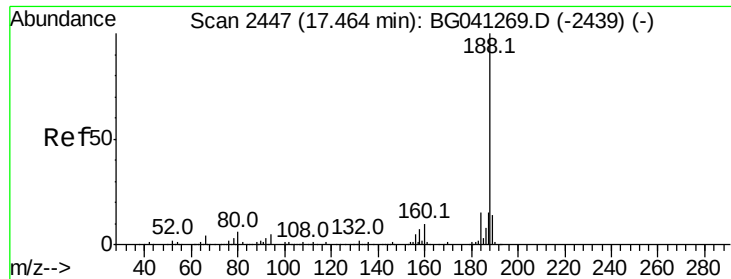
Abundance Ion 77.00 (76.70 to 77.70): BG

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BG





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2447

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

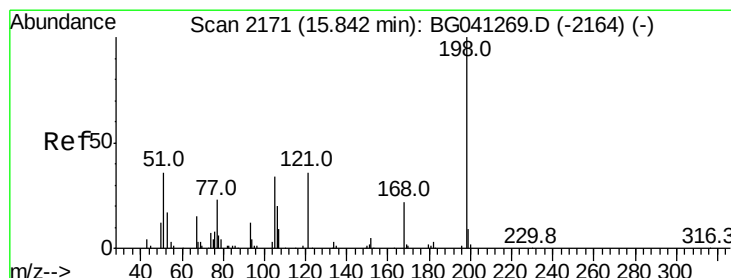
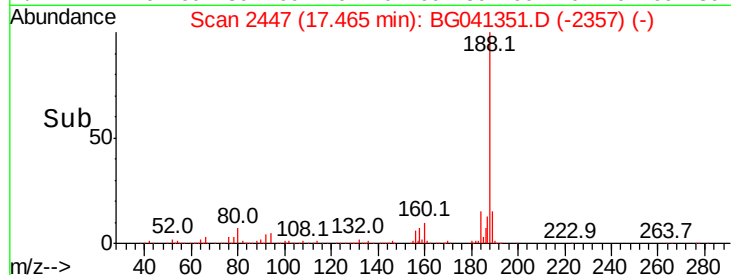
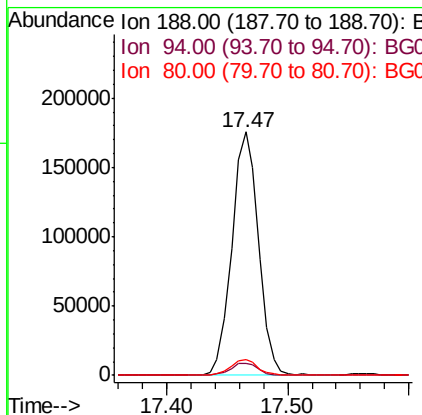
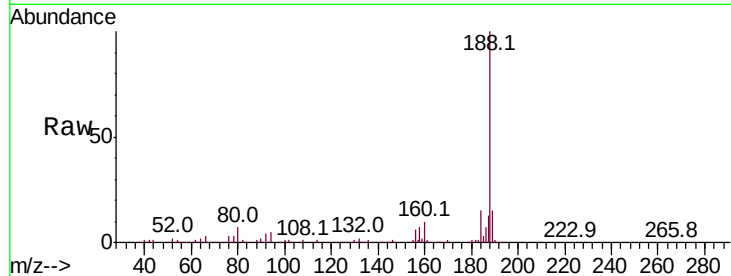
ClientSampleId :

SOILMSD

Tot Ion:	188	Resp:	269941
Ion Ratio	Lower	Upper	
188	100		
94	5.1	3.6	5.4
80	6.6	4.8	7.2

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#65

4,6-Dinitro-2-methylphenol

Concen: 5.546 ng

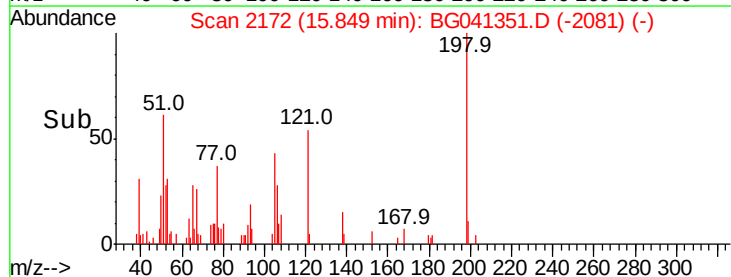
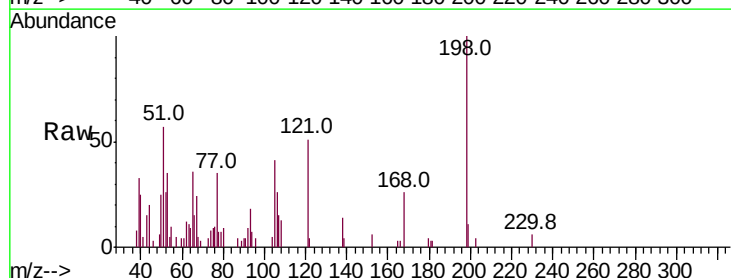
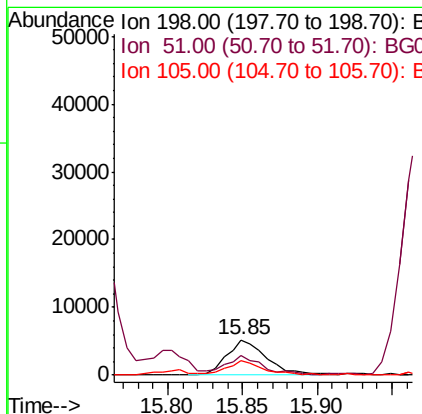
RT: 15.85 min Scan# 2172

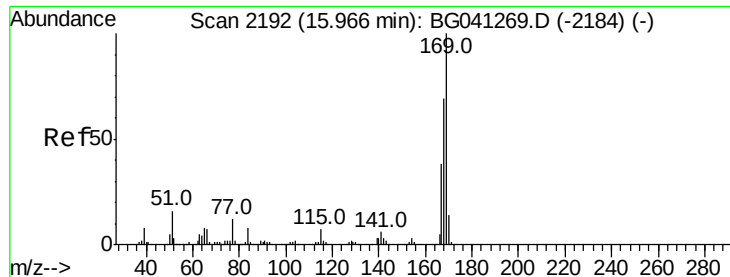
Delta R.T. 0.01 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Tgt Ion:	198	Resp:	9717
Ion Ratio	Lower	Upper	
198	100		
51	57.1	23.4	63.4
105	40.8	15.8	55.8





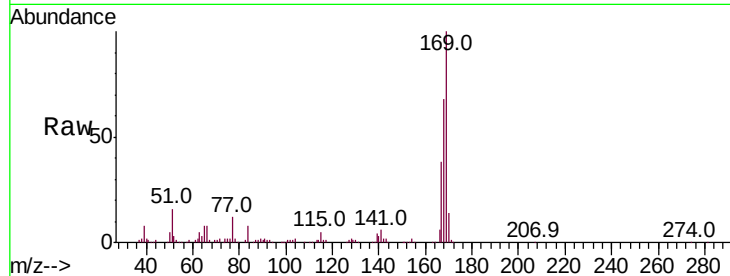
#66
n-Nitrosodiphenylamine
Concen: 45.864 ng
RT: 15.97 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampled :
SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100	328732		
168	68.1		55.2	82.8
167	37.7		30.4	45.6

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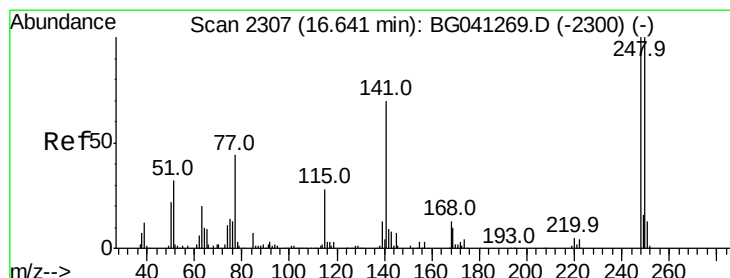
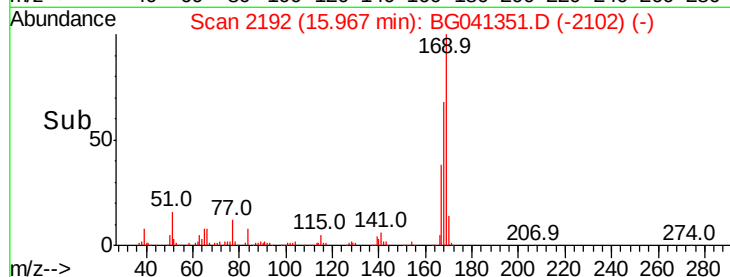
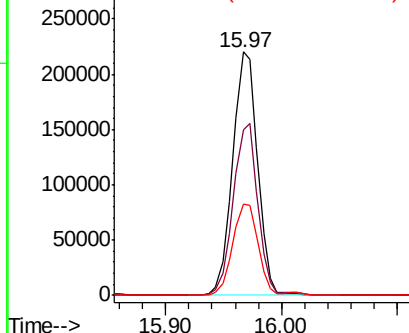


Abundance

Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#67
4-Bromophenyl-phenylether
Concen: 42.491 ng
RT: 16.65 min Scan# 2308
Delta R.T. 0.01 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

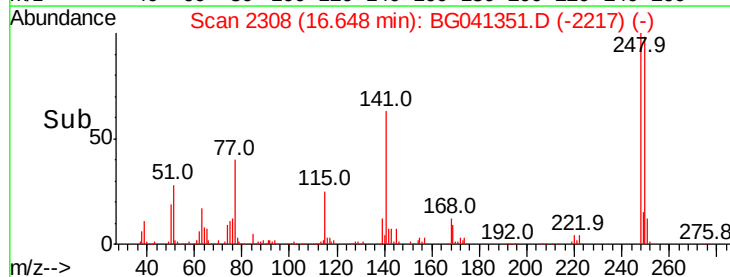
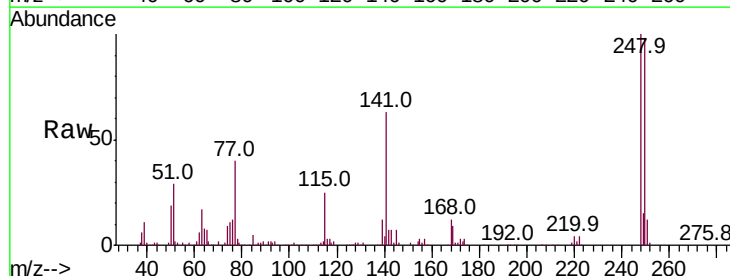
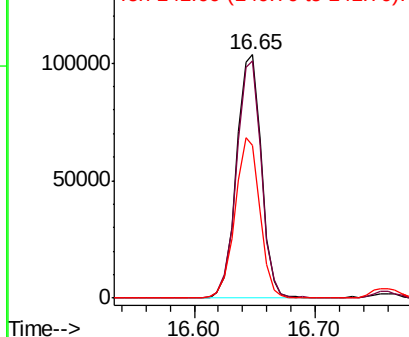
Tgt Ion	Ratio	Resp	Lower	Upper
248	100	148311		
250	97.6		79.8	119.8
141	62.7		55.8	83.6

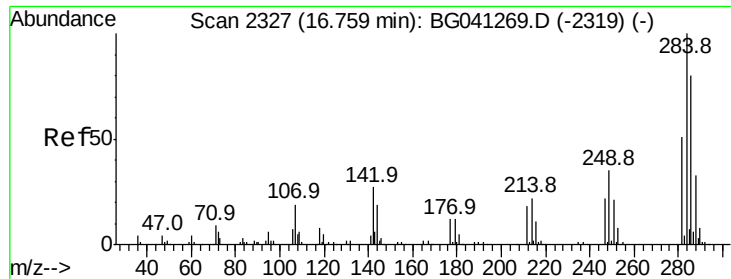
Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#68

Hexachlorobenzene

Concen: 42.295 ng

RT: 16.76 min Scan# 2327

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

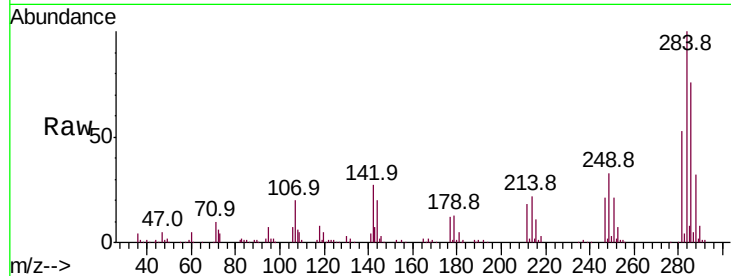
ClientSampled :

SOILMSD

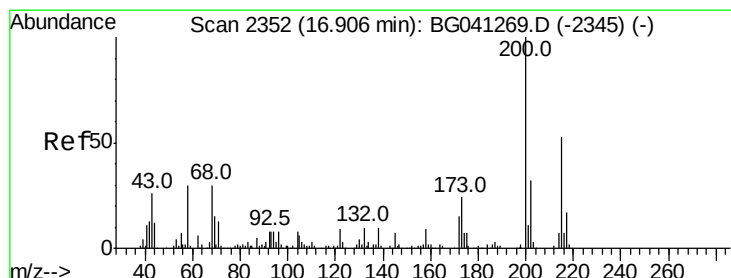
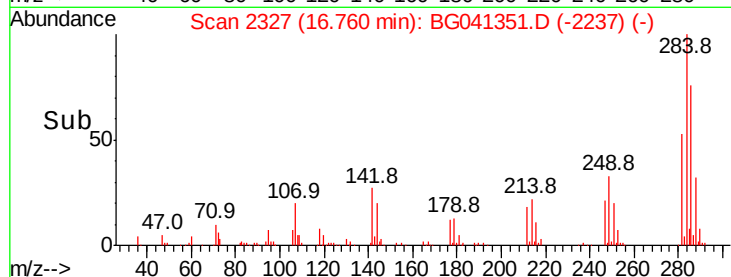
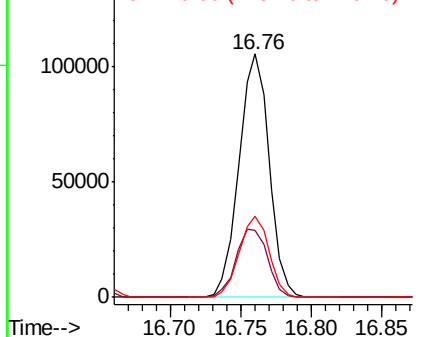
Tot Ion:	284	Resp:	158083
Ion Ratio	Lower	Upper	
284	100		
142	27.4	21.8	32.8
249	33.3	27.8	41.6

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



#69

Atrazine

Concen: Below Cal

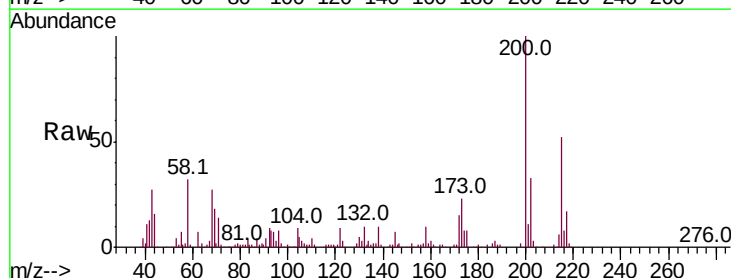
RT: 16.91 min Scan# 2352

Delta R.T. 0.00 min

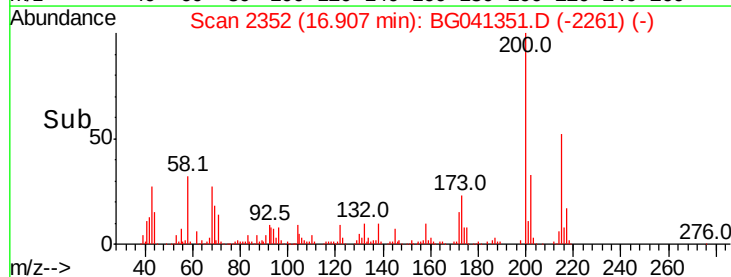
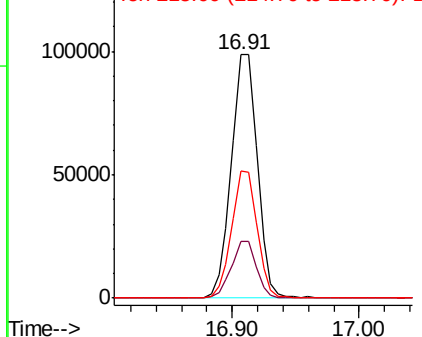
Lab File: BG041351.D

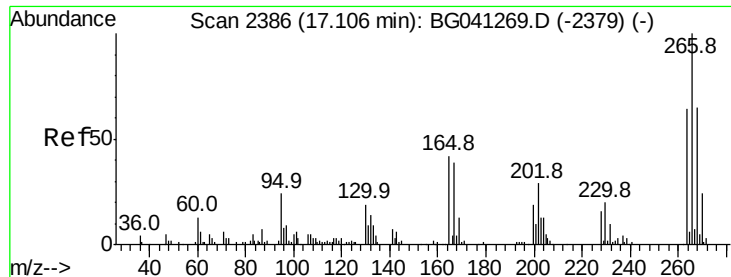
Acq: 20 Jun 2019 7:31

Tgt Ion:	200	Resp:	139459
Ion Ratio	Lower	Upper	
200	100		
173	23.3	4.0	44.0
215	52.3	33.4	73.4



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





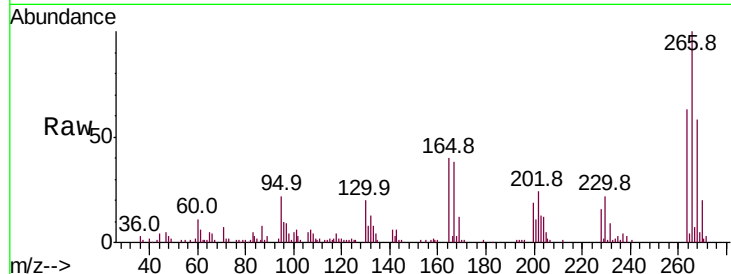
#70
 Pentachlorophenol
 Concen: 33.787 ng
 RT: 17.11 min Scan# 2387
 Delta R.T. 0.01 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Instrument :
 BNA_G
 ClientSampleId :
 SOILMSD

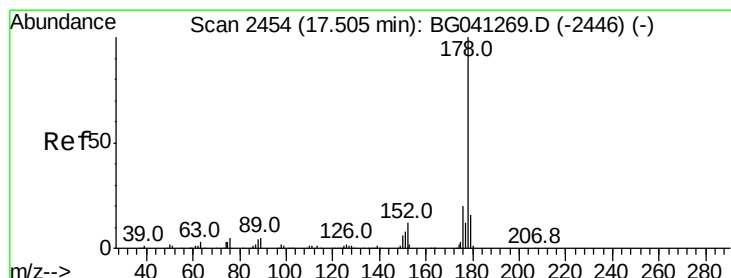
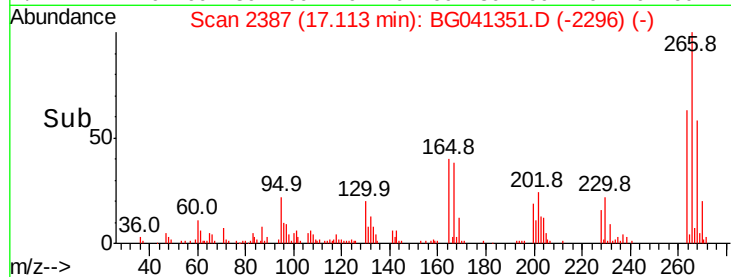
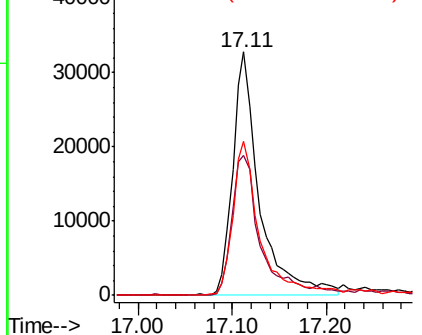
Tot Ion	Ratio	Resp	Lower	Upper
266	100			
268	57.6	52.0	78.0	
264	67.8	51.2	76.8	

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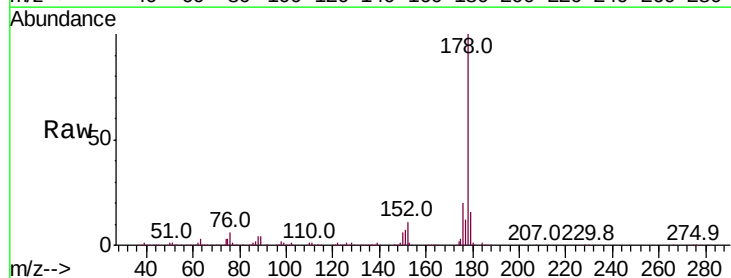


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

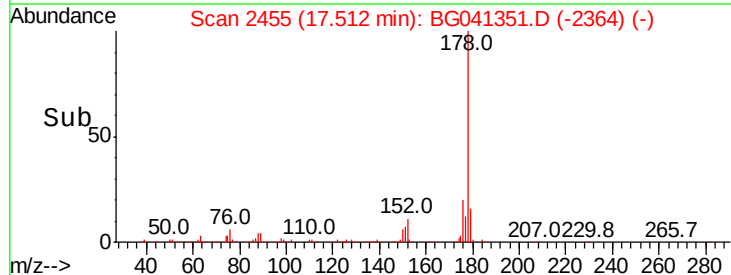
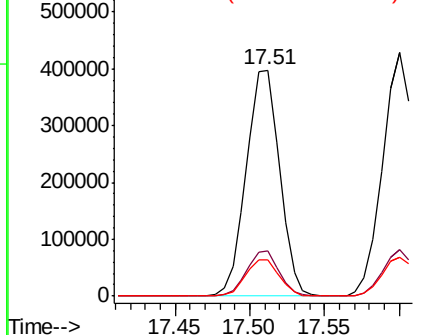


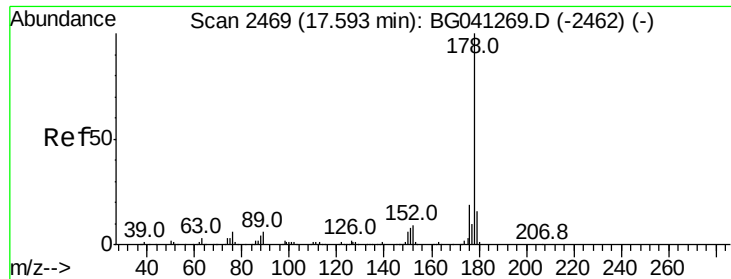
#71
 Phenanthrene
 Concen: 42.792 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. 0.01 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	20.1	16.1	24.1	
179	16.2	12.9	19.3	



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





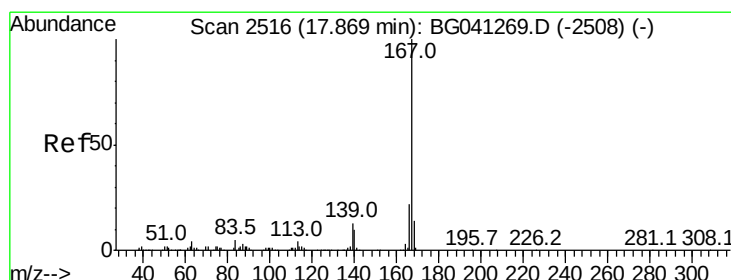
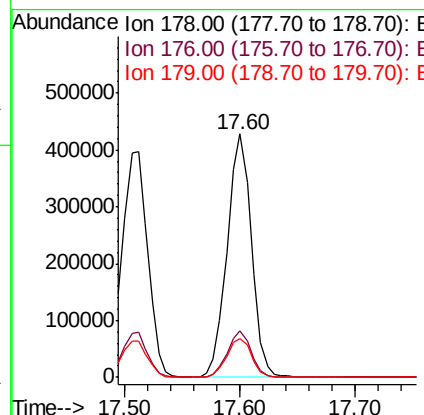
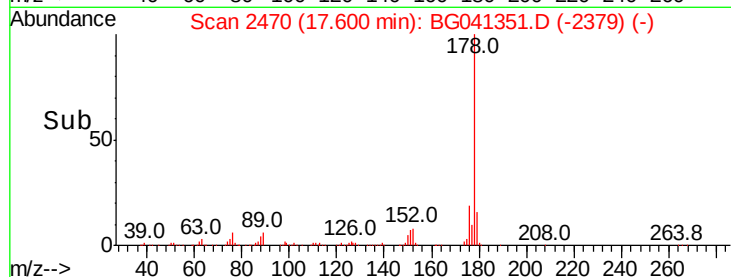
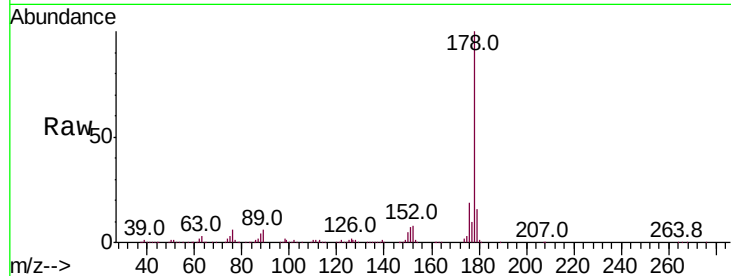
#72
 Anthracene
 Concen: 44.002 ng
 RT: 17.60 min Scan# 2470
 Delta R.T. 0.01 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Instrument :
 BNA_G
 ClientSampleId :
 SOILMSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	16.0	13.0	19.4

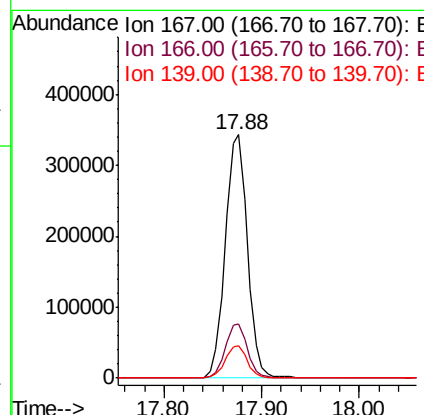
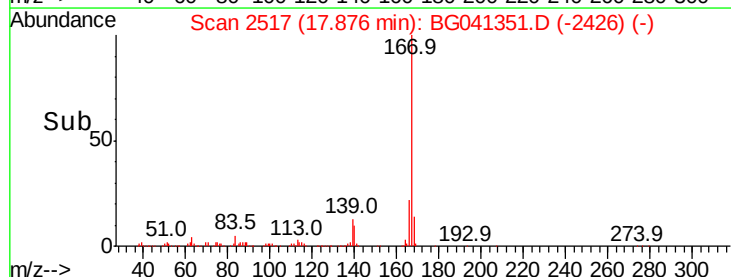
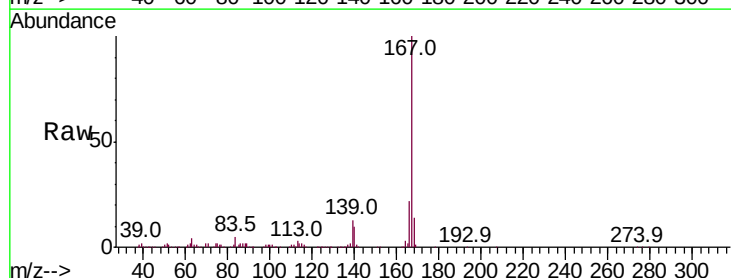
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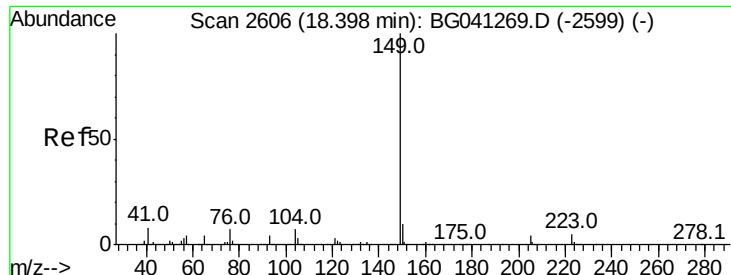
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#73
 Carbazole
 Concen: 43.516 ng
 RT: 17.88 min Scan# 2517
 Delta R.T. 0.01 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.9	26.9
139	13.4	10.7	16.1





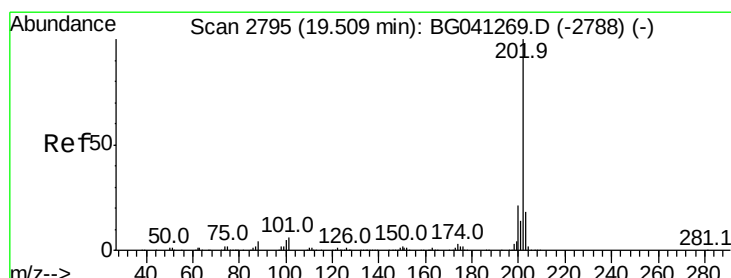
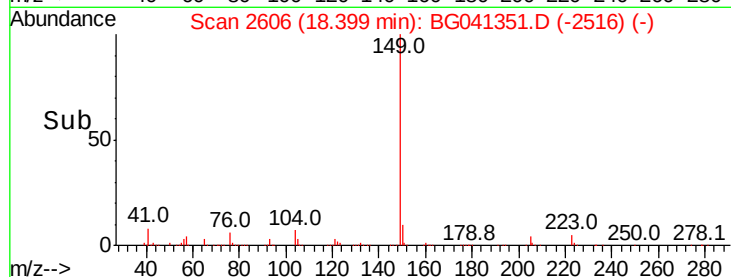
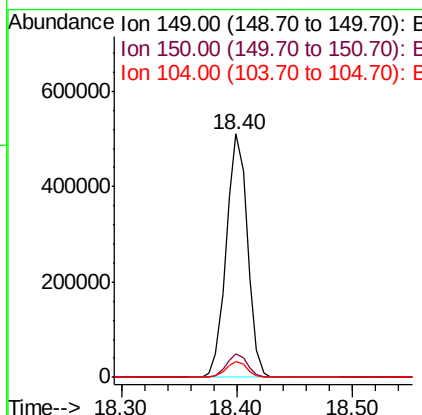
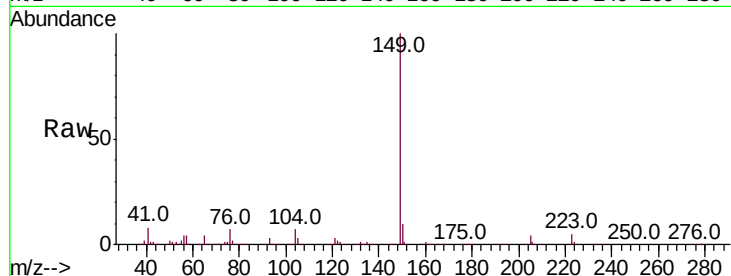
#74
Di-n-butylphthalate
Concen: 41.826 ng
RT: 18.40 min Scan# 2606
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampleId :
SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	647977		
150	9.7		8.1	12.1
104	6.7		5.4	8.0

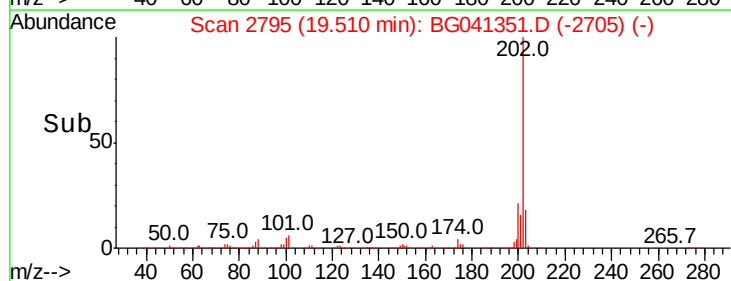
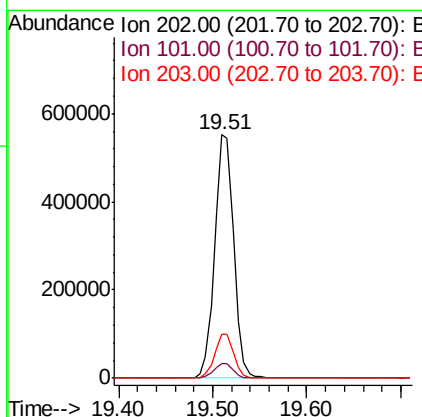
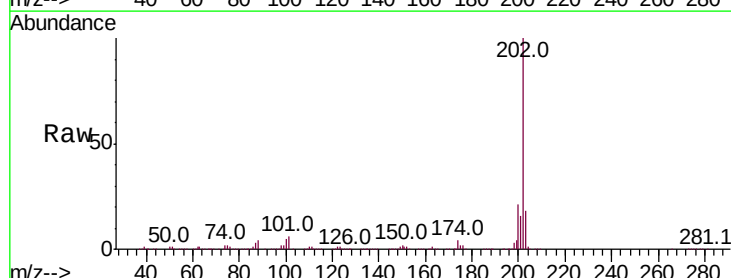
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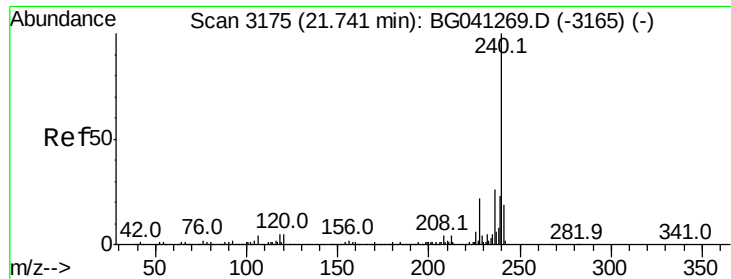
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#75
Fluoranthene
Concen: 41.047 ng
RT: 19.51 min Scan# 2795
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	785078		
101	6.1		0.0	26.0
203	18.1		0.0	37.7





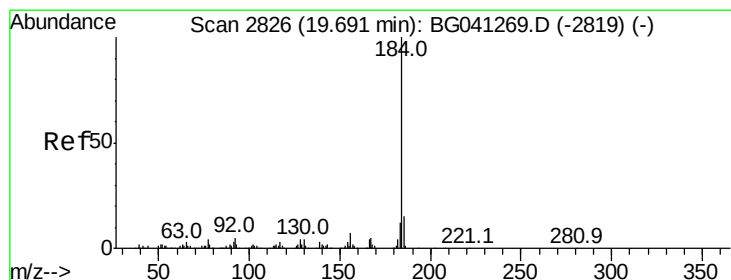
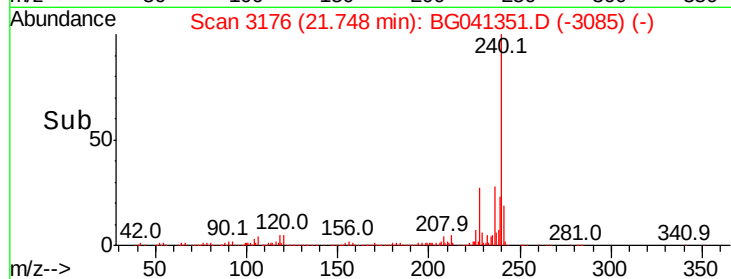
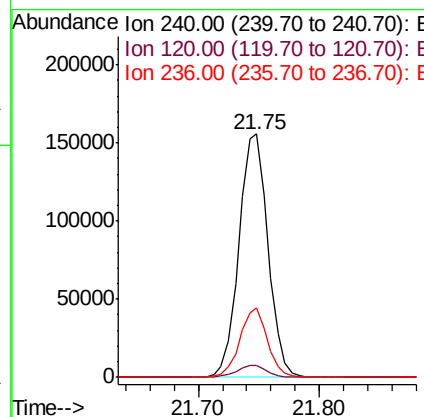
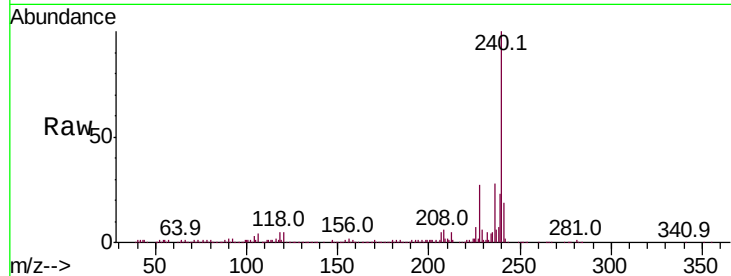
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3176
Delta R.T. 0.01 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampleId :
SOILMSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	4.8	3.7	5.5
236	28.4	21.1	31.7

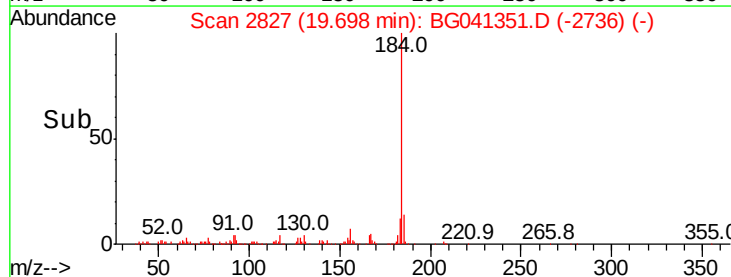
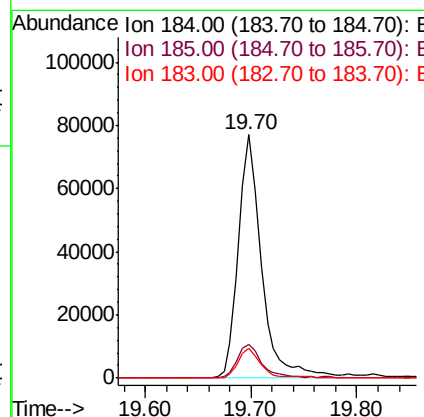
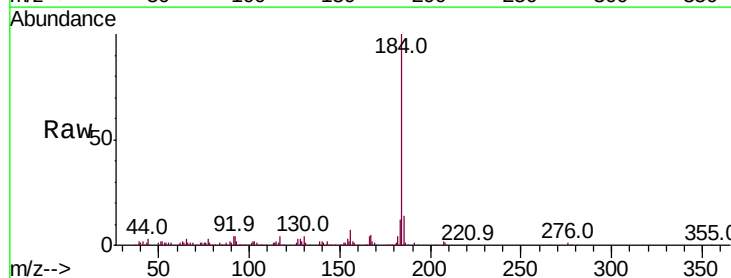
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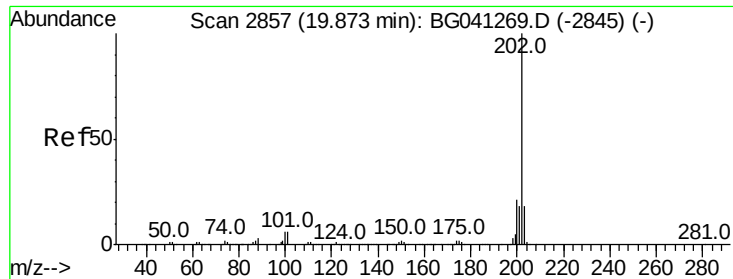
mohammad
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#77
Benzidine
Concen: 18.647 ng
RT: 19.70 min Scan# 2827
Delta R.T. 0.01 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Lower	Upper
184	100		
185	13.8	12.2	18.2
183	12.3	9.6	14.4





#78

Pvrene

Concen: 44.495 ng

RT: 19.87 min Scan# 2857

Delta R.T. 0.00 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

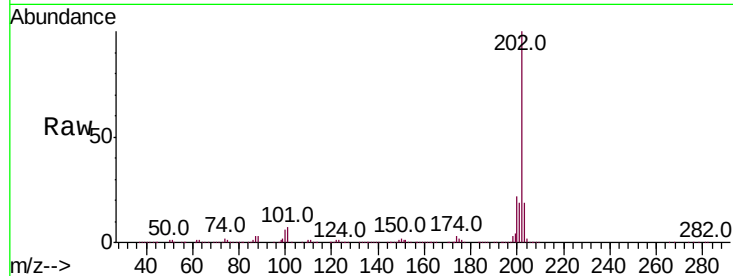
ClientSampleId :

SOILMSD

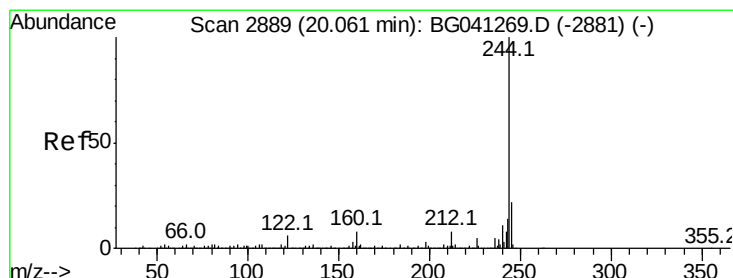
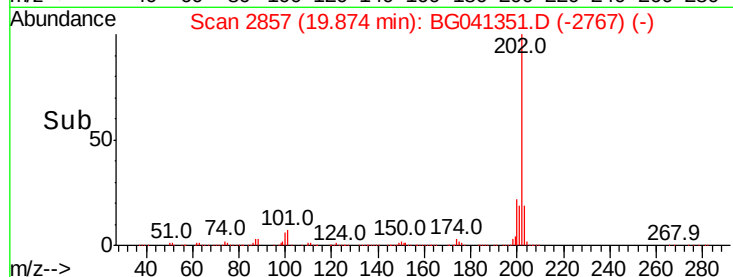
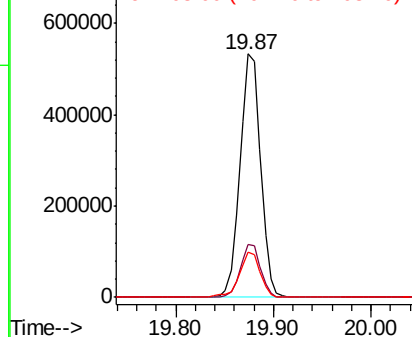
Tot Ion:	202	Resp:	782041
Ion Ratio	Lower	Upper	
202	100		
200	21.7	16.8	25.2
203	18.7	14.6	21.8

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



#79

Terphenyl-d14

Concen: 88.098 ng

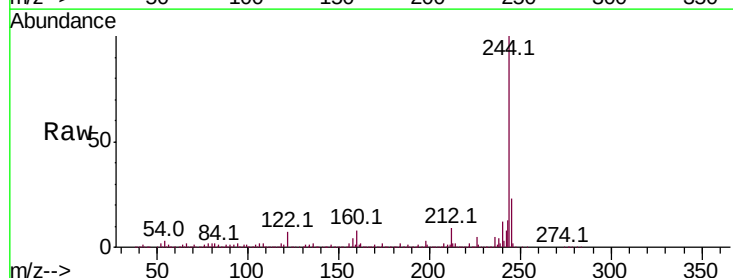
RT: 20.06 min Scan# 2889

Delta R.T. 0.00 min

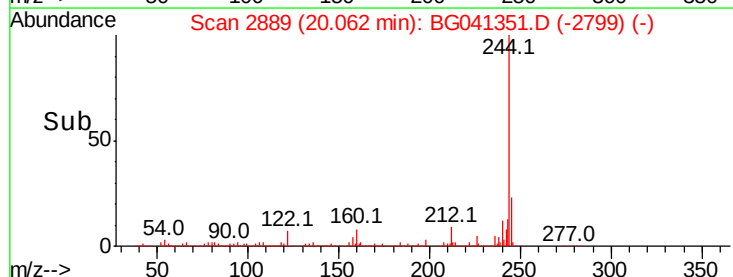
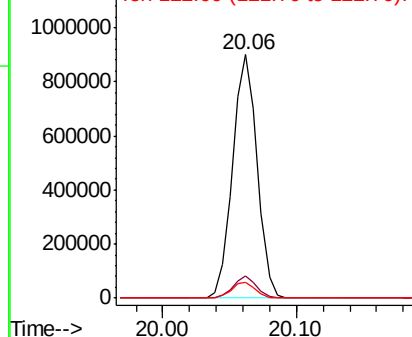
Lab File: BG041351.D

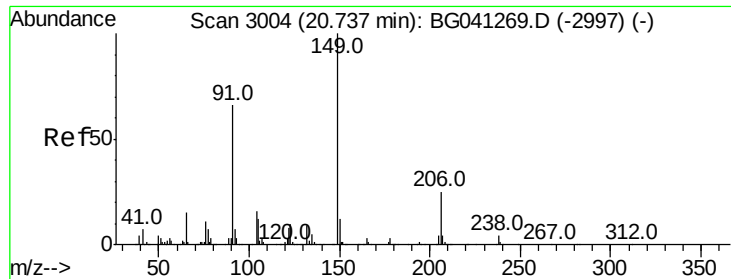
Acq: 20 Jun 2019 7:31

Tgt Ion:	244	Resp:	1158521
Ion Ratio	Lower	Upper	
244	100		
212	9.1	6.6	10.0
122	6.7	5.0	7.4



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





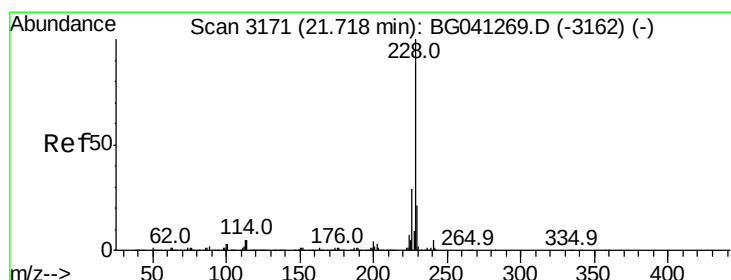
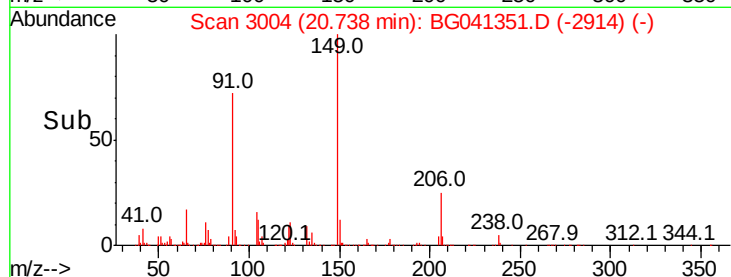
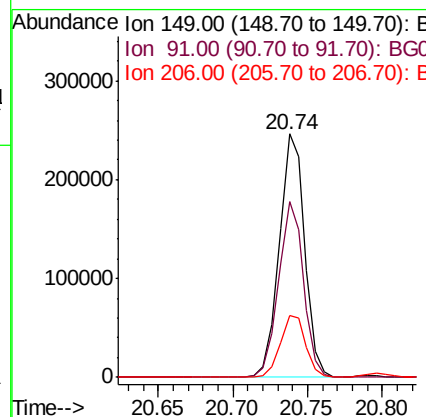
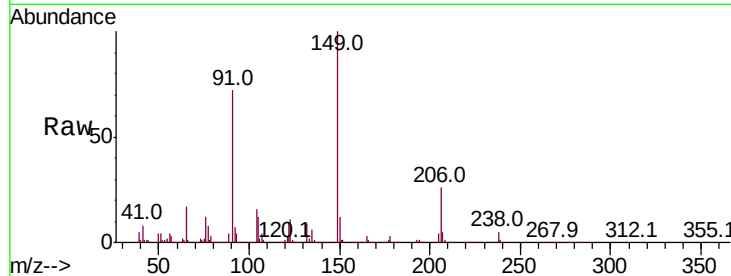
#80
Butylbenzylphthalate
Concen: 44.014 ng
RT: 20.74 min Scan# 3004
Delta R.T. 0.00 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampleId :
SOILMSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	72.0	53.2	79.8
206	25.6	20.3	30.5

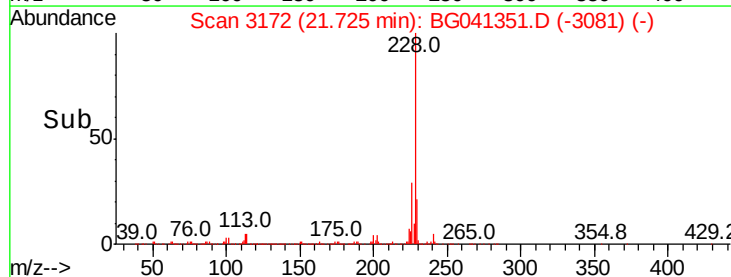
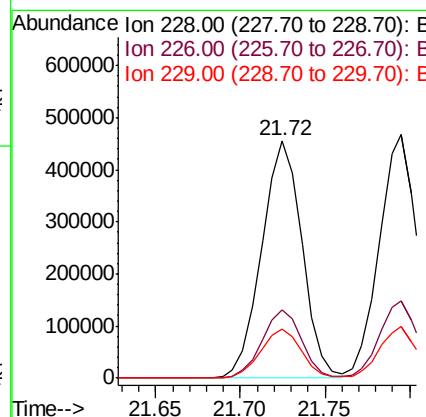
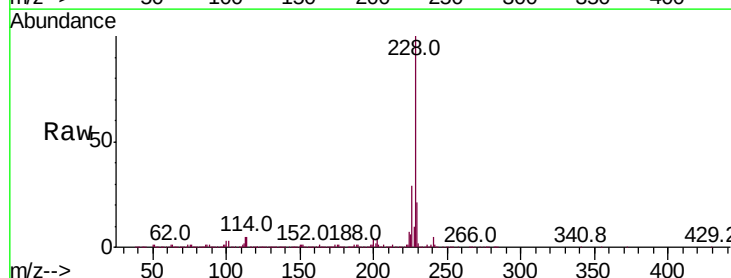
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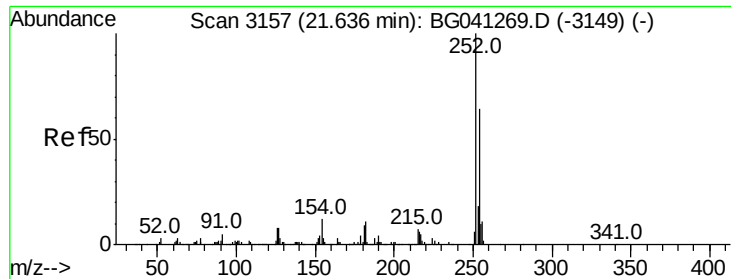
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#81
Benzo(a)anthracene
Concen: 42.847 ng
RT: 21.72 min Scan# 3172
Delta R.T. 0.01 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.2	34.8
229	20.8	16.8	25.2





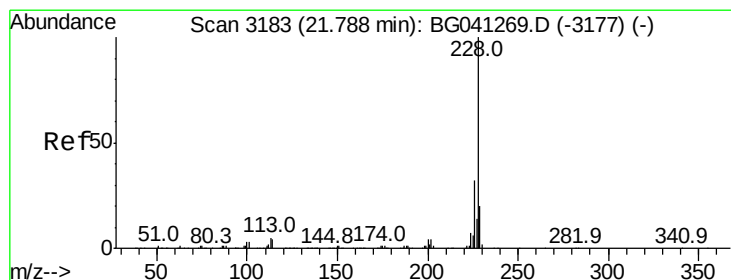
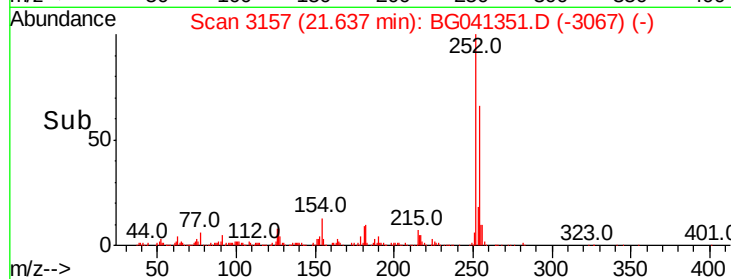
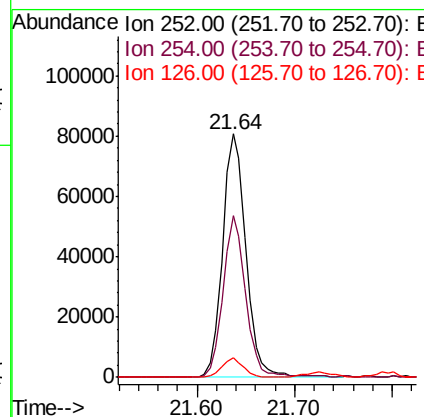
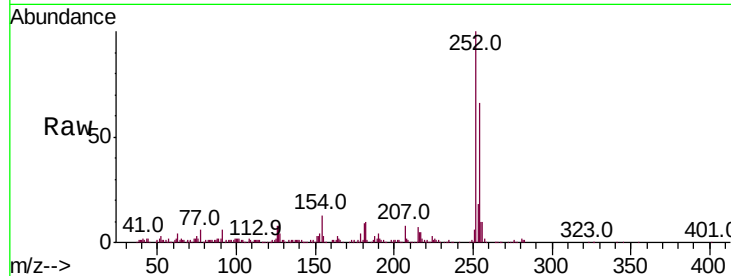
#82
 3,3'-Dichlorobenzidine
 Concen: 21.650 ng
 RT: 21.64 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Instrument :
 BNA_G
 ClientSampled :
 SOILMSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	66.3	51.4	77.0
126	7.9	6.0	9.0

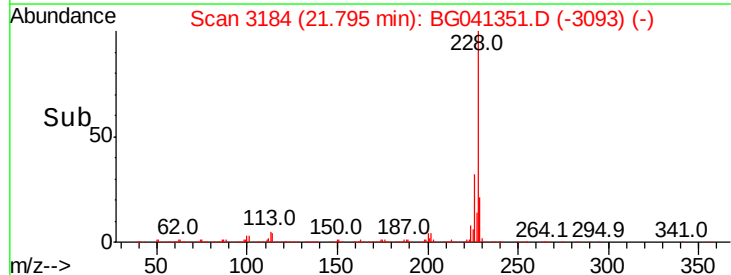
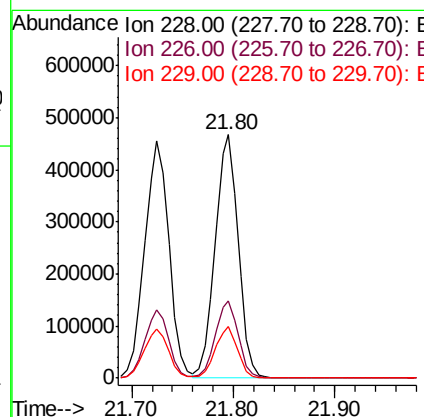
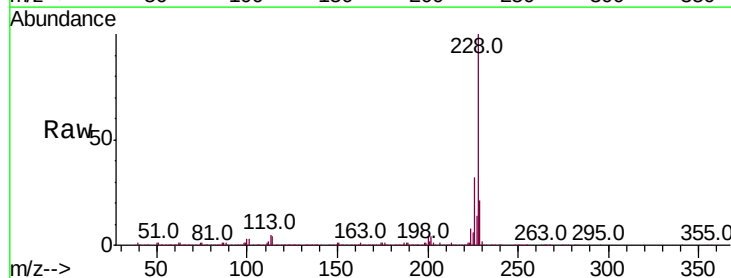
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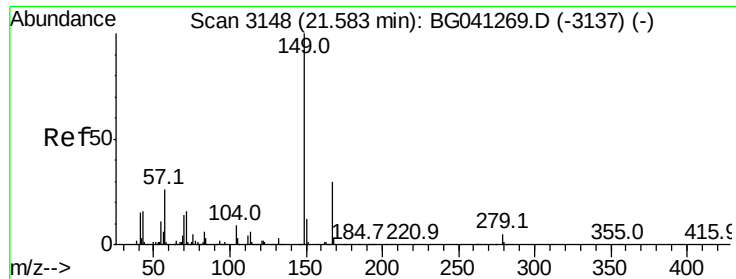
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#83
 Chrysene
 Concen: 43.362 ng
 RT: 21.80 min Scan# 3184
 Delta R.T. 0.01 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.4	38.0
229	21.0	16.2	24.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 44.032 ng

RT: 21.59 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BG041351.D

Acq: 20 Jun 2019 7:31

Instrument :

BNA_G

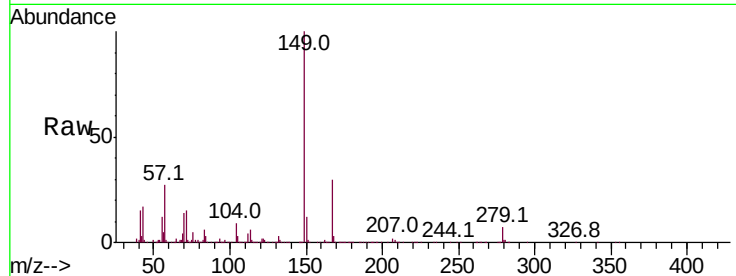
ClientSampleId :

SOILMSD

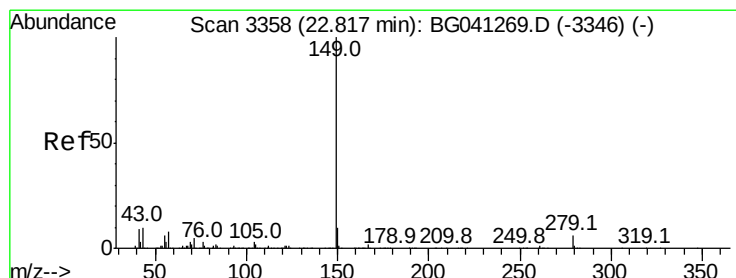
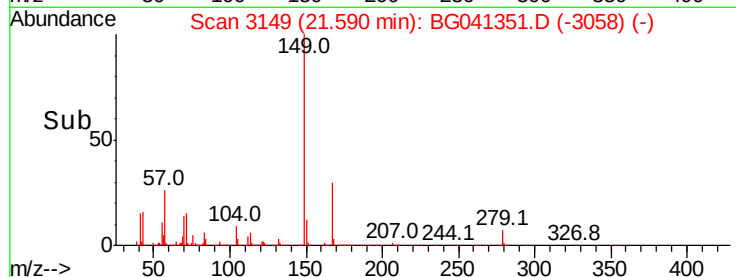
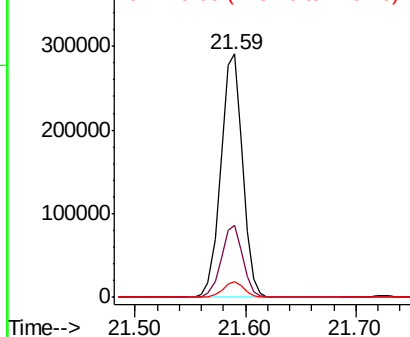
Tot Ion:	149	Resp:	398920
Ion Ratio	Lower	Upper	
149	100		
167	29.8	23.8	35.8
279	6.7	4.4	6.6#

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



#85

Di-n-octyl phthalate

Concen: 44.608 ng

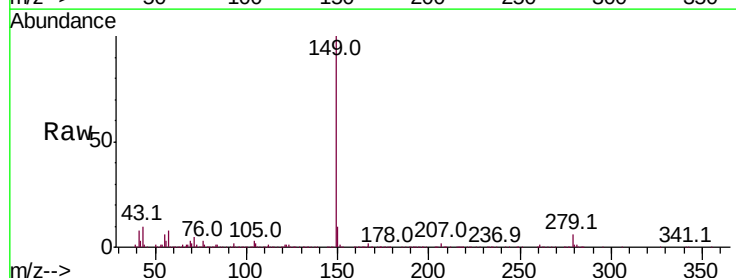
RT: 22.82 min Scan# 3359

Delta R.T. 0.01 min

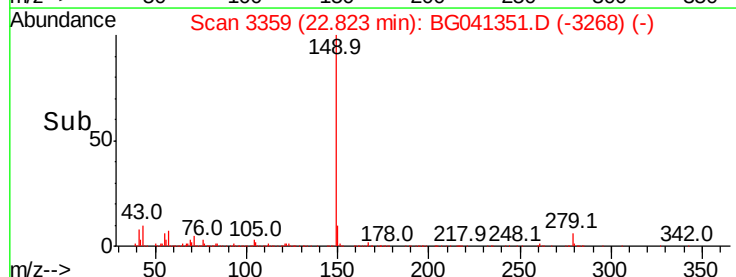
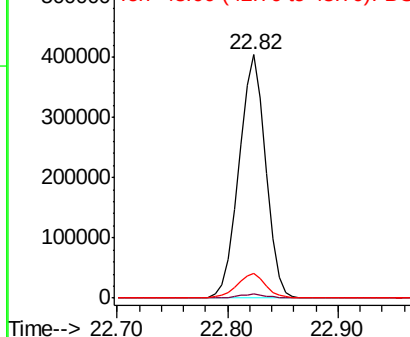
Lab File: BG041351.D

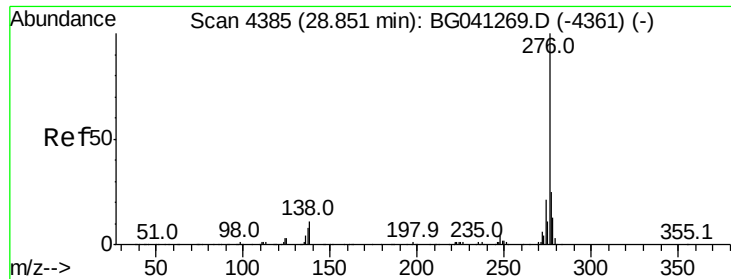
Acq: 20 Jun 2019 7:31

Tgt Ion:	149	Resp:	683743
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.4	2.0
43	10.3	8.2	12.2



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





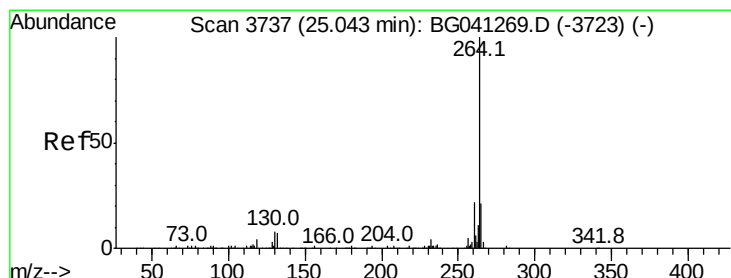
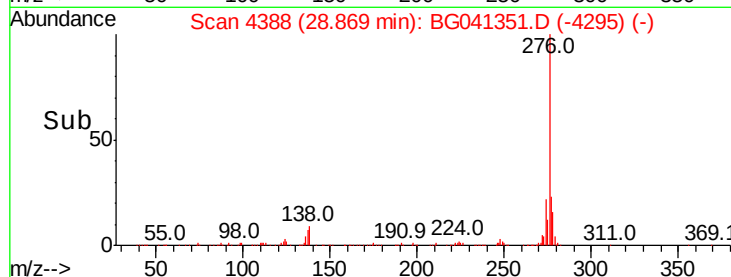
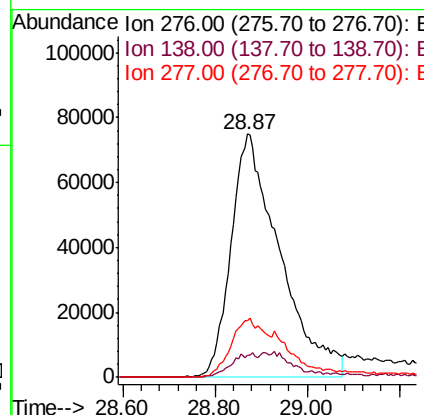
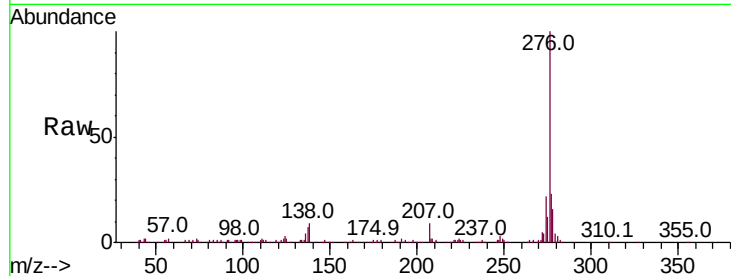
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 27.076 ng
 RT: 28.87 min Scan# 4388
 Delta R.T. 0.02 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Instrument :
 BNA_G
 ClientSampleId :
 SOILMSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.2	7.7	11.5#
277	17.2	20.6	31.0#

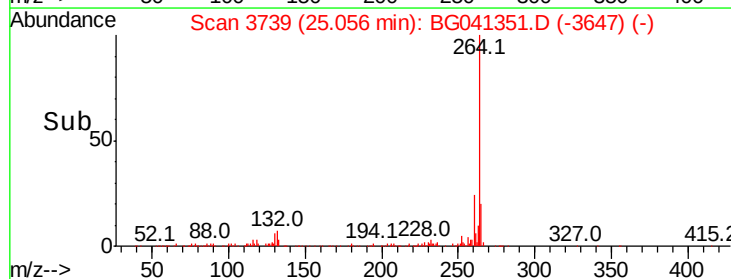
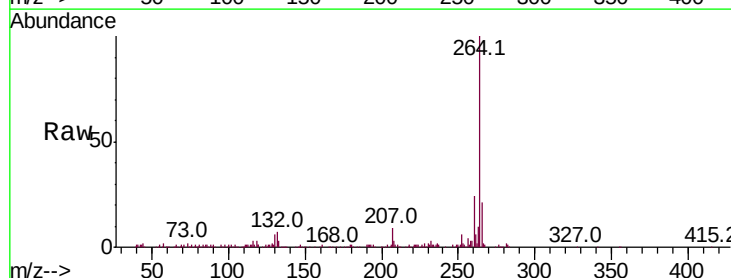
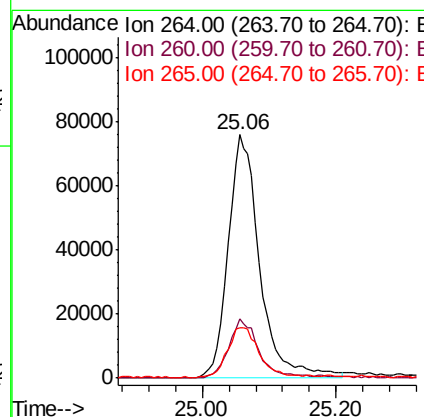
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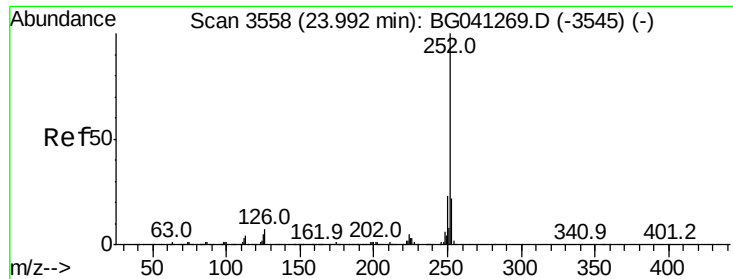
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.06 min Scan# 3739
 Delta R.T. 0.01 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	17.4	26.2
265	20.7	17.2	25.8





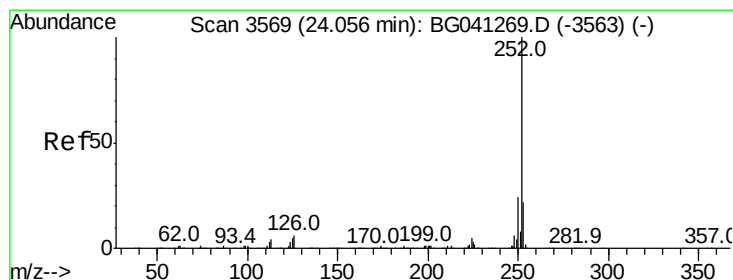
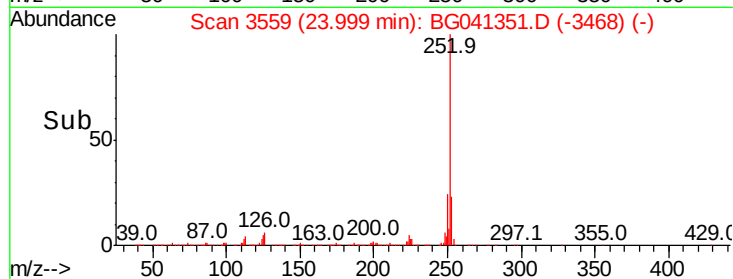
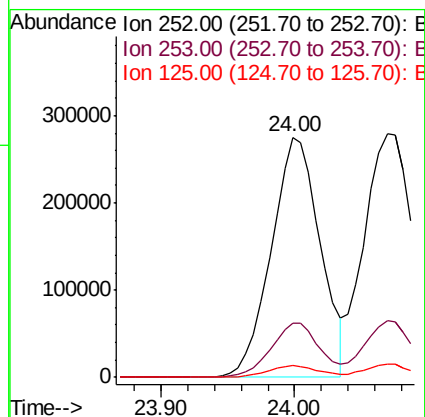
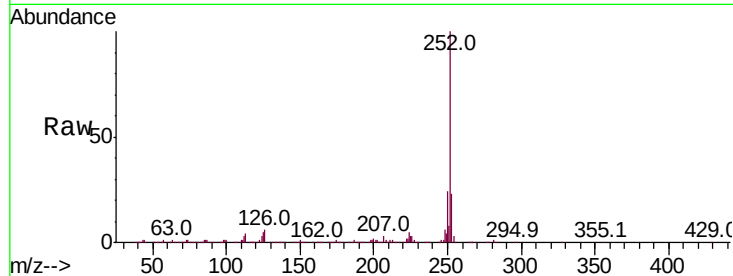
#88
Benzo(b)fluoranthene
Concen: 44.959 ng
RT: 24.00 min Scan# 3559
Delta R.T. 0.01 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampleId :
SOILMSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	5.2	3.9	5.9

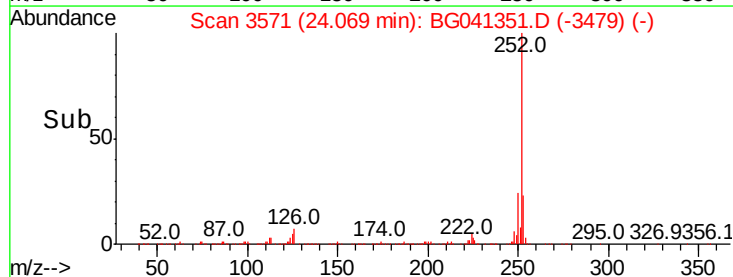
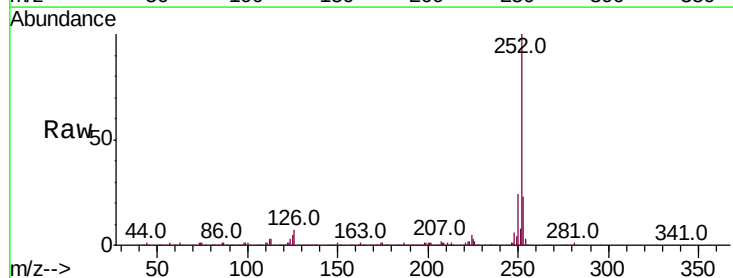
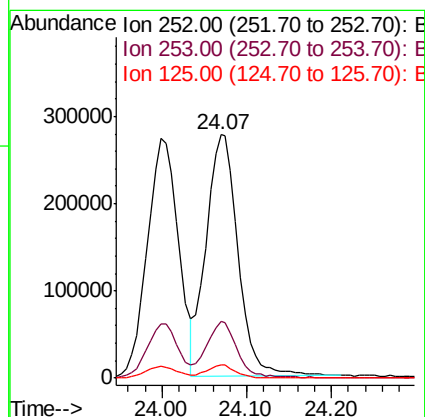
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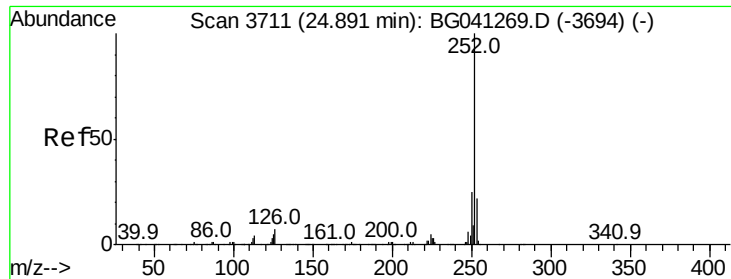
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#89
Benzo(k)fluoranthene
Concen: 47.480 ng
RT: 24.07 min Scan# 3571
Delta R.T. 0.01 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	5.5	4.3	6.5





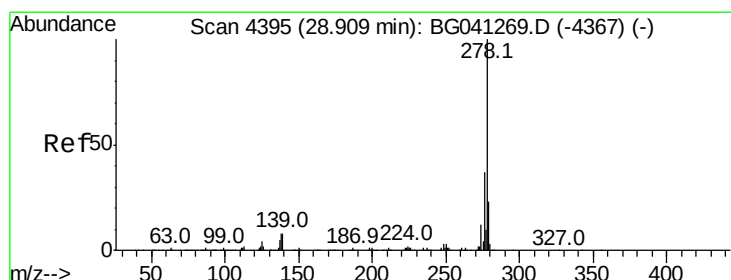
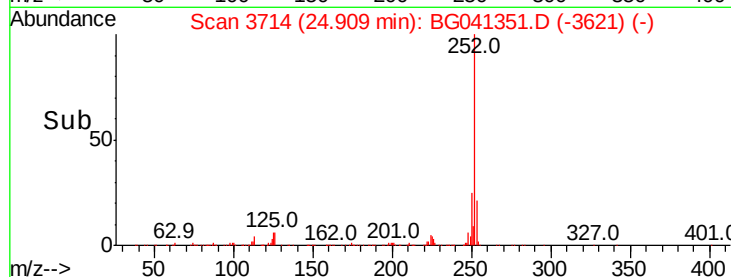
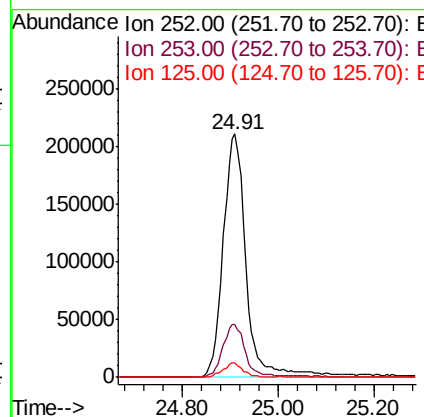
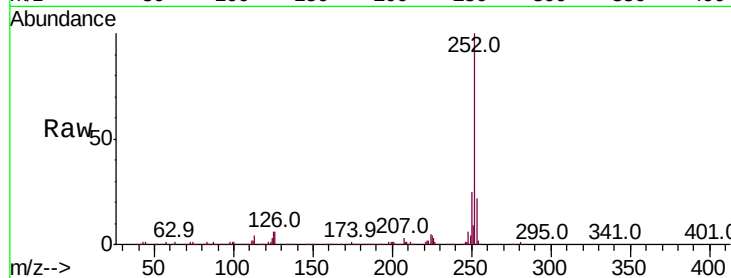
#90
Benzo(a)pyrene
Concen: 47.283 ng
RT: 24.91 min Scan# 3714
Delta R.T. 0.02 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Instrument :
BNA_G
ClientSampled :
SOILMSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.6
125	5.9	4.2	6.4

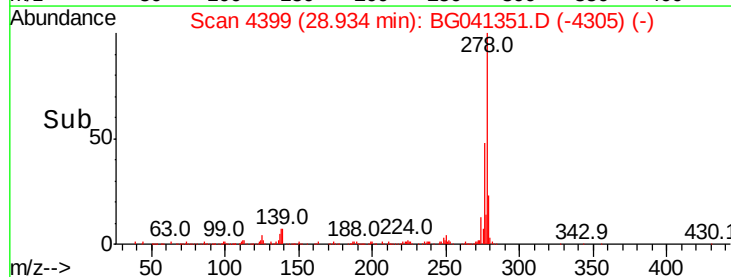
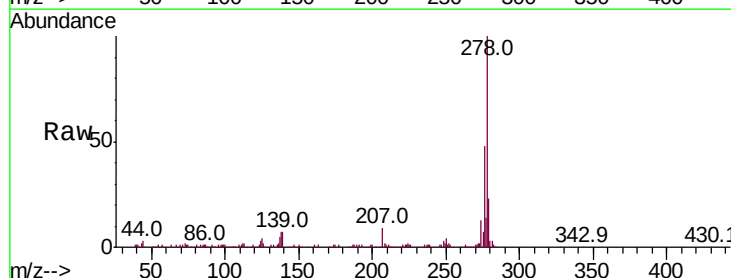
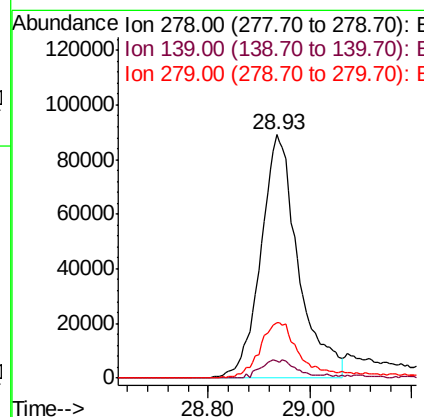
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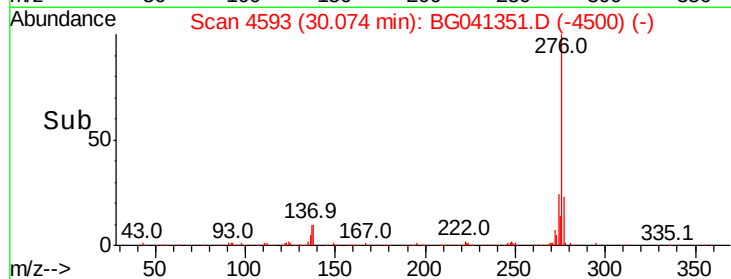
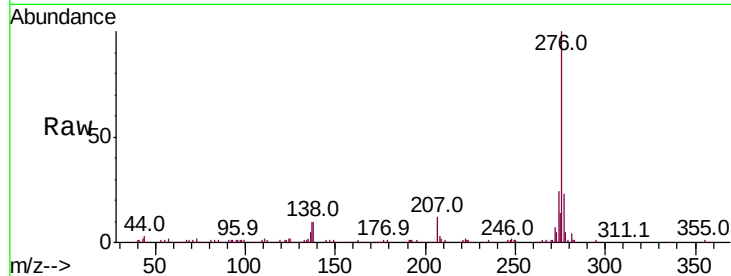
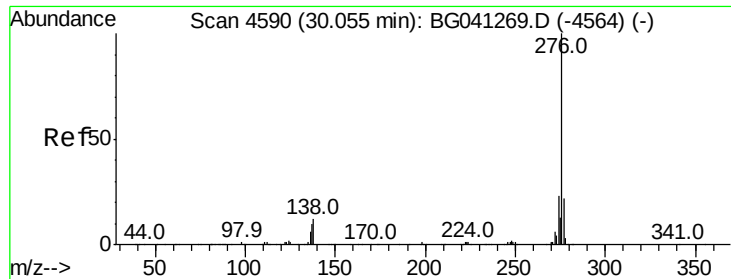
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 30.920 ng
RT: 28.93 min Scan# 4399
Delta R.T. 0.02 min
Lab File: BG041351.D
Acq: 20 Jun 2019 7:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	7.2	6.6	10.0
279	22.6	18.5	27.7





#92
 Benzo(a,h,i)perylene
 Concen: 25.393 ng
 RT: 30.07 min Scan# 4593
 Delta R.T. 0.02 min
 Lab File: BG041351.D
 Acq: 20 Jun 2019 7:31

Instrument :
 BNA_G
 ClientSampleId :
 SOILMSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.0	17.9	26.9
138	10.4	9.4	14.0

Manual Integrations
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