

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061219\
 Data File : BG041211.D
 Acq On : 12 Jun 2019 18:12
 Operator : HP/JU
 Sample : SOIL-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-01

Manual Integrations
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 6/14/2019 8:36:51 AM

Quant Time: Jun 13 07:48:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jun 09 23:08:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	35266	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	148982	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	114462	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	282321	20.00	ng	0.00
76) Chrysene-d12	21.76	240	283188	20.00	ng	0.00
87) Perylene-d12	25.08	264	293811	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	274254	140.23	ng	0.00
7) Phenol-d6	7.25	99	410889	136.04	ng	0.00
23) Nitrobenzene-d5	9.28	82	280732	83.65	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	227663	133.98	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	681435	85.73	ng	0.00
79) Terphenyl-d14	20.07	244	1219831	91.42	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.50	88	27574	31.070	ng	89
3) Pyridine	3.91	79	80334	30.592	ng	98
4) n-Nitrosodimethylamine	3.83	42	47391	38.885	ng	# 94
6) Aniline	7.43	93	55738	13.825	ng	99
8) 2-Chlorophenol	7.67	128	103839	44.536	ng	95
9) Benzaldehyde	7.24	77	30072	16.690	ng	83
10) Phenol	7.28	94	140150	43.276	ng	97
11) bis(2-Chloroethyl)ether	7.52	93	86896	36.987	ng	97
12) 1,3-Dichlorobenzene	7.99	146	108499	38.961	ng	99
13) 1,4-Dichlorobenzene	8.14	146	114412	40.589	ng	96
14) 1,2-Dichlorobenzene	8.46	146	106434	38.888	ng	98
15) Benzyl Alcohol	8.34	79	112716	40.342	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.62	45	138630	36.111	ng	98
17) 2-Methylphenol	8.54	107	99397	42.390	ng	98
18) Hexachloroethane	9.19	117	42932	39.517	ng	98
19) n-Nitroso-di-n-propylamine	8.91	70	87692	37.727	ng	94
20) 3+4-Methylphenols	8.87	107	135908	41.843	ng	96
22) Acetophenone	8.93	105	170415	40.777	ng	97
24) Nitrobenzene	9.33	77	142599	41.696	ng	100
25) Isophorone	9.84	82	253587	39.706	ng	99
26) 2-Nitrophenol	10.03	139	64461	45.721	ng	94
27) 2,4-Dimethylphenol	10.08	122	110397	47.411	ng	94
28) bis(2-Chloroethoxy)methane	10.32	93	132131	38.332	ng	99
29) 2,4-Dichlorophenol	10.57	162	128298	43.389	ng	97
30) 1,2,4-Trichlorobenzene	10.78	180	139466	41.461	ng	94
31) Naphthalene	10.97	128	337531	42.197	ng	100
32) Benzoic acid	10.22	122	71714m	41.030	ng	
33) 4-Chloroaniline	11.09	127	41542	11.193	ng	99
34) Hexachlorobutadiene	11.24	225	100092	38.889	ng	96
35) Caprolactam	11.88	113	39908	40.870	ng	98
36) 4-Chloro-3-methylphenol	12.20	107	146221	43.299	ng	92
37) 2-Methylnaphthalene	12.57	142	258891	42.023	ng	96
38) 1-Methylnaphthalene	12.79	142	248142	42.743	ng	# 98
40) 1,2,4,5-Tetrachlorobenzene	12.94	216	193772	42.002	ng	99

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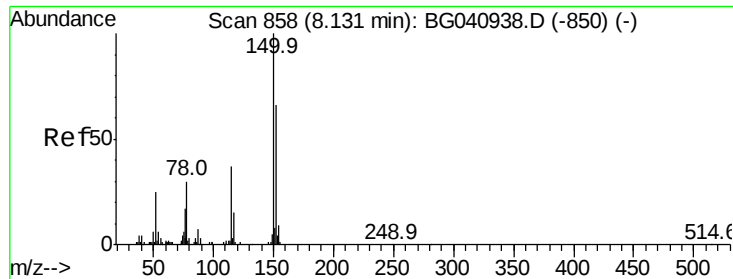
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.89	237	216755	86.641	nq	97
43) 2,4,6-Trichlorophenol	13.17	196	126119	42.258	nq	97
44) 2,4,5-Trichlorophenol	13.25	196	136869	43.484	nq	99
46) 1,1'-Biphenyl	13.57	154	357669	42.214	nq	98
47) 2-Chloronaphthalene	13.62	162	296758	40.799	nq	99
48) 2-Nitroaniline	13.83	65	104645	40.103	nq	96
49) Acenaphthylene	14.46	152	468884	42.831	nq	99
50) Dimethylphthalate	14.19	163	388191	40.064	nq	99
51) 2,6-Dinitrotoluene	14.32	165	88086	42.165	nq	98
52) Acenaphthene	14.80	154	274648	41.414	nq	98
53) 3-Nitroaniline	14.65	138	42918	20.545	nq	# 90
54) 2,4-Dinitrophenol	14.86	184	80784	75.937	nq	95
55) Dibenzofuran	15.13	168	480365	43.047	nq	99
56) 4-Nitrophenol	14.95	139	122546	85.525	nq	97
57) 2,4-Dinitrotoluene	15.10	165	126341	42.813	nq	# 98
58) Fluorene	15.78	166	382915	43.088	nq	97
59) 2,3,4,6-Tetrachlorophenol	15.35	232	137670	44.507	nq	99
60) Diethylphthalate	15.53	149	399380	40.390	nq	99
61) 4-Chlorophenyl-phenylether	15.77	204	237100	41.047	nq	96
62) 4-Nitroaniline	15.81	138	84659	38.280	nq	94
63) Azobenzene	16.06	77	371560	41.343	nq	98
65) 4,6-Dinitro-2-methylphenol	15.86	198	69112	46.098	nq	97
66) n-Nitrosodiphenylamine	15.98	169	343088	43.230	nq	99
67) 4-Bromophenyl-phenylether	16.66	248	154672	40.596	nq	97
68) Hexachlorobenzene	16.77	284	165630	40.825	nq	99
69) Atrazine	16.93	200	145099	47.382	nq	99
70) Pentachlorophenol	17.12	266	182514	83.765	nq	97
71) Phenanthrene	17.52	178	646729	43.978	nq	99
72) Anthracene	17.61	178	658230	45.383	nq	99
73) Carbazole	17.89	167	559091	44.926	nq	99
74) Di-n-butylphthalate	18.42	149	664722	42.976	nq	100
75) Fluoranthene	19.53	202	838087	46.140	nq	99
77) Benzidine	19.71	184	145056	21.472	nq	99
78) Pyrene	19.89	202	833837	45.295	nq	99
80) Butylbenzylphthalate	20.75	149	308633	43.081	nq	96
81) Benzo(a)anthracene	21.74	228	806544	42.786	nq	98
82) 3,3'-Dichlorobenzidine	21.65	252	136776	20.629	nq	94
83) Chrysene	21.80	228	784762	43.503	nq	99
84) Bis(2-ethylhexyl)phthalate	21.60	149	433867	43.021	nq	98
85) Di-n-octyl phthalate	22.84	149	731951	43.579	nq	100
86) Indeno(1,2,3-cd)pyrene	28.89	276	729086	32.993	nq	# 98
88) Benzo(b)fluoranthene	24.02	252	781183	43.836	nq	98
89) Benzo(k)fluoranthene	24.09	252	816115	46.279	nq	98
90) Benzo(a)pyrene	24.93	252	775204	45.594	nq	# 97
91) Dibenzo(a,h)anthracene	28.98	278	587567	34.586	nq	97
92) Benzo(g,h,i)perylene	30.11	276	534806	32.403	nq	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.11 min Scan# 854

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

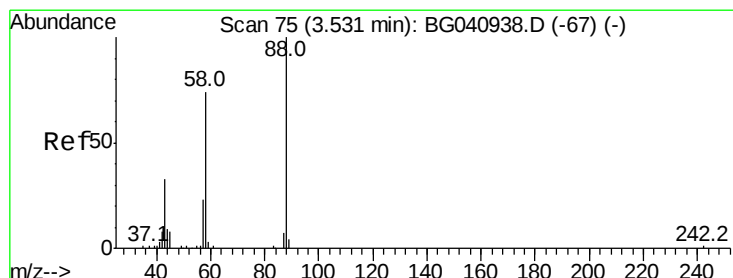
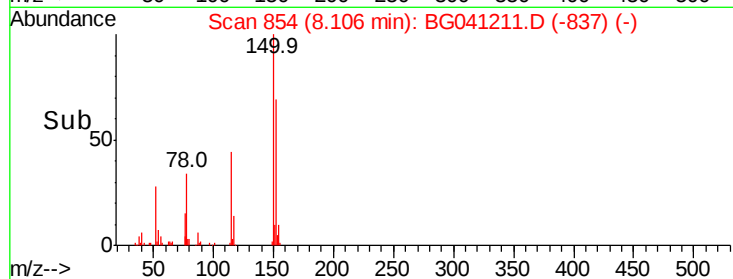
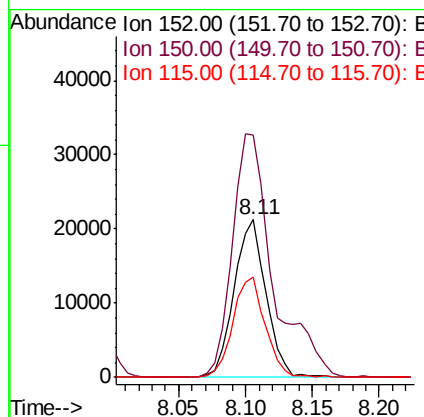
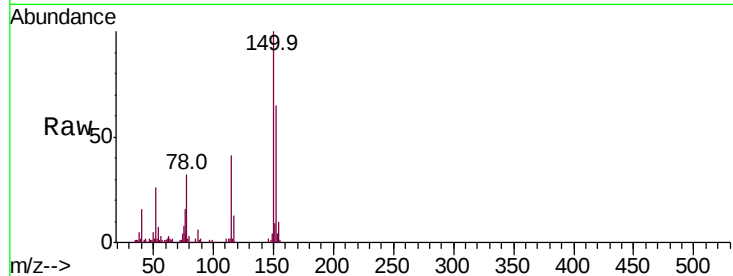
ClientSampleId :

SOIL-01

Tot Ion:	152	Resp:	35266
Ion Ratio	Lower	Upper	
152	100		
150	154.0	120.6	180.8
115	63.3	45.1	67.7

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#2

1,4-Dioxane

Concen: 31.070 ng

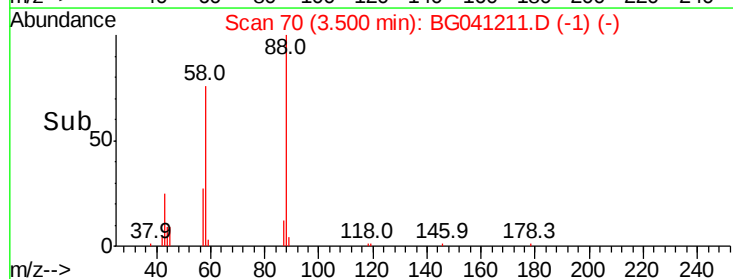
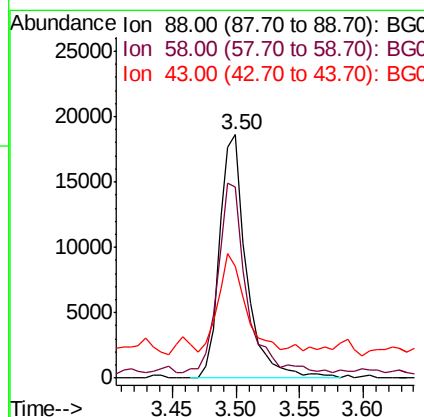
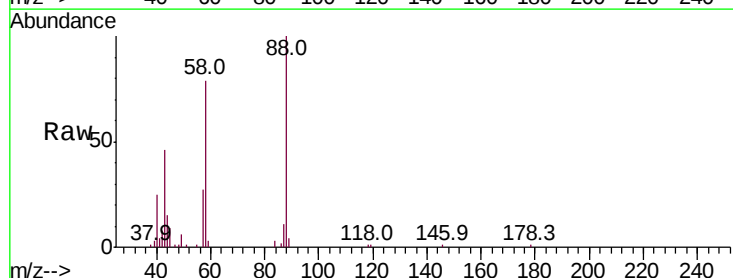
RT: 3.50 min Scan# 70

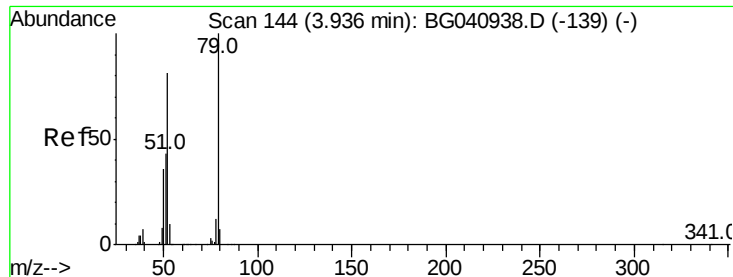
Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Tgt Ion:	88	Resp:	27574
Ion Ratio	Lower	Upper	
88	100		
58	83.4	59.0	88.6
43	40.7	27.2	40.8





#3

Pvridine

Concen: 30.592 ng

RT: 3.91 min Scan# 139

Delta R.T. -0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

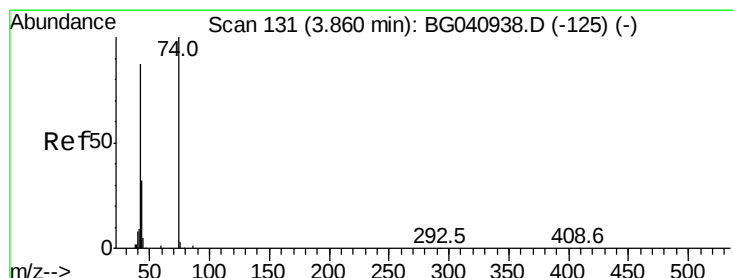
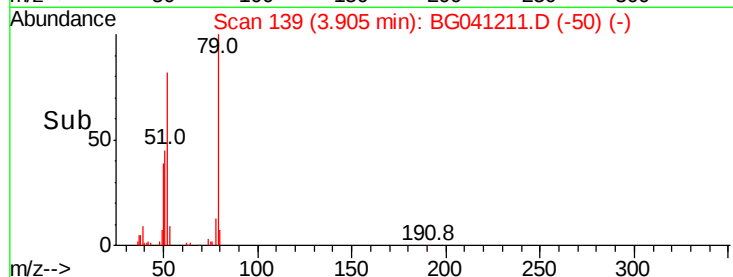
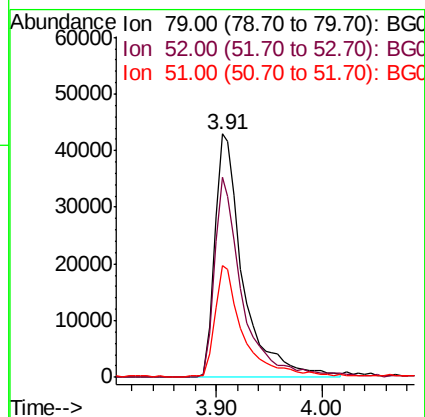
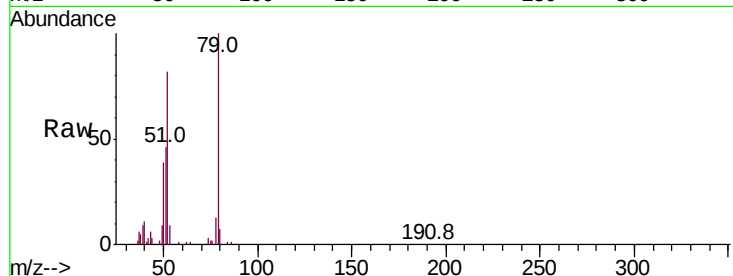
ClientSampled :

SOIL-01

Tot Ion:	79	Resp:	80334
Ion Ratio	Lower	Upper	
79	100		
52	82.0	64.8	97.2
51	45.8	35.3	52.9

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#4

n-Nitrosodimethylamine

Concen: 38.885 ng

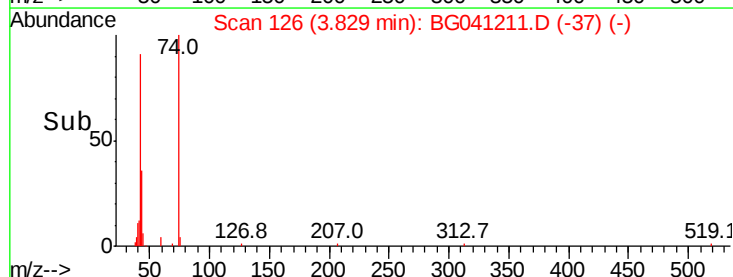
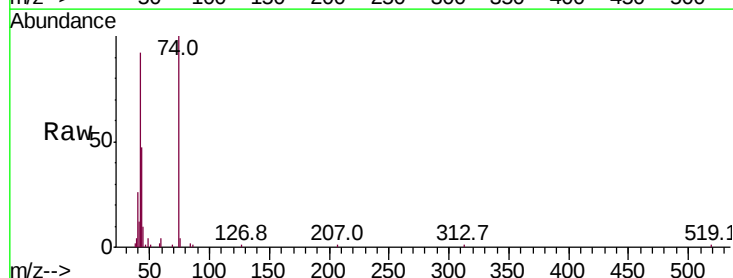
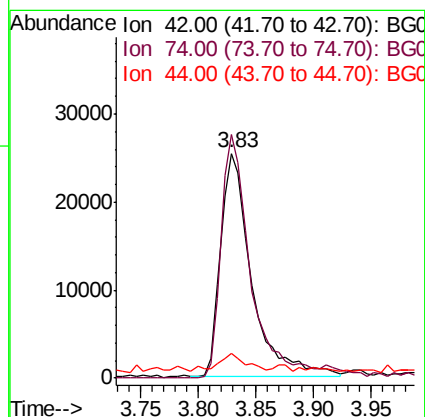
RT: 3.83 min Scan# 126

Delta R.T. -0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Tgt Ion:	42	Resp:	47391
Ion Ratio	Lower	Upper	
42	100		
74	108.4	91.8	137.6
44	11.0	6.0	9.0#





#5

2-Fluorophenol

Concen: 140.231 ng

RT: 5.64 min Scan# 435

Delta R.T. 0.01 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

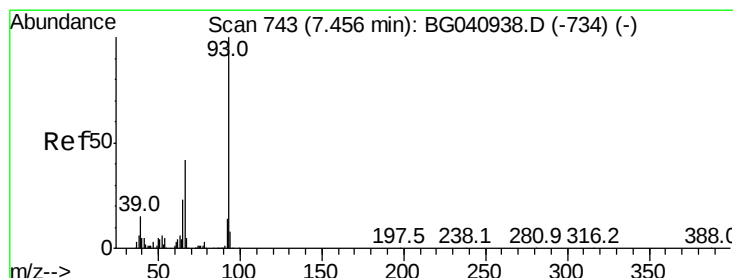
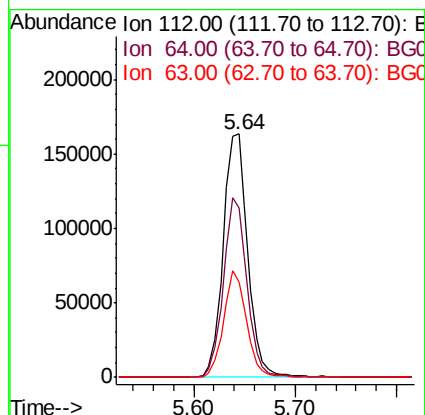
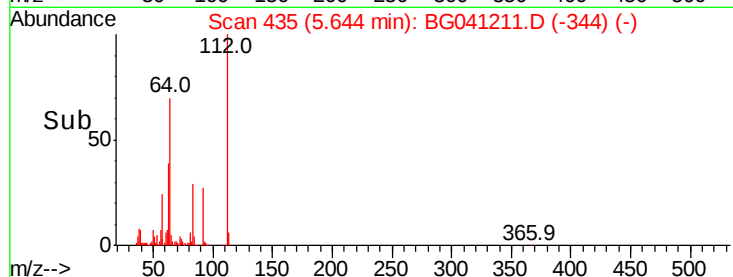
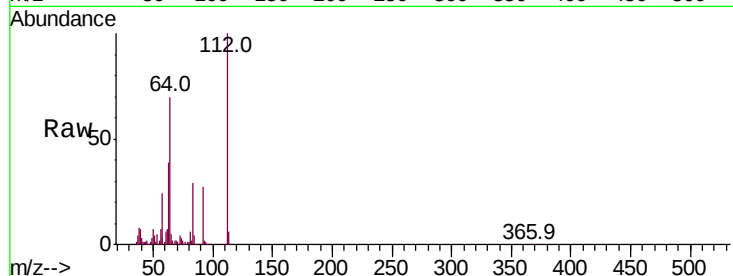
ClientSampleId :

SOIL-01

Tot Ion:	112	Resp:	274254
Ion Ratio	Lower	Upper	
112	100		
64	69.8	56.2	84.2
63	39.3	32.8	49.2

Manual Integrations
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#6

Aniline

Concen: 13.825 ng

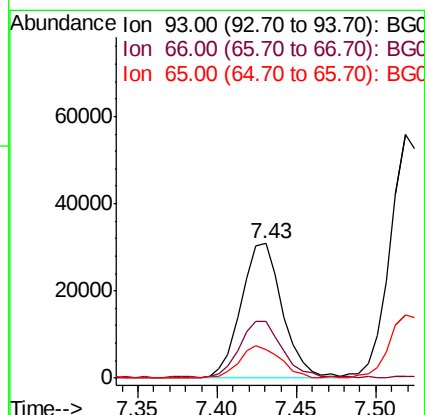
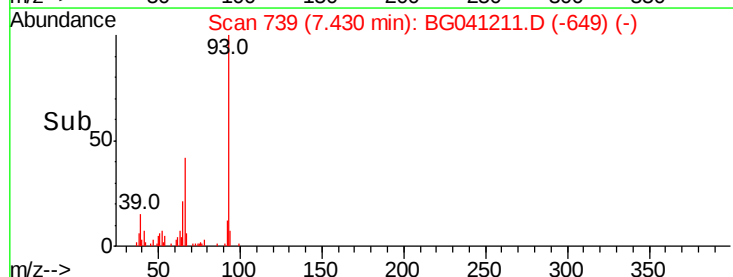
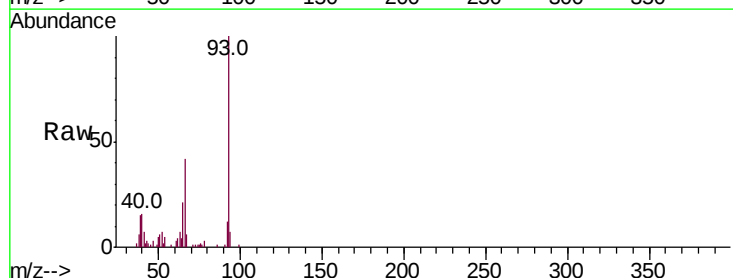
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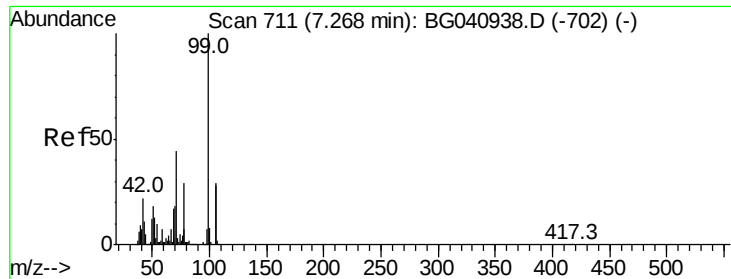
Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Tgt Ion:	93	Resp:	55738
Ion Ratio	Lower	Upper	
93	100		
66	42.2	33.8	50.8
65	21.1	18.3	27.5





#7

Phenol-d6

Concen: 136.037 ng

RT: 7.25 min Scan# 709

Delta R.T. 0.01 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

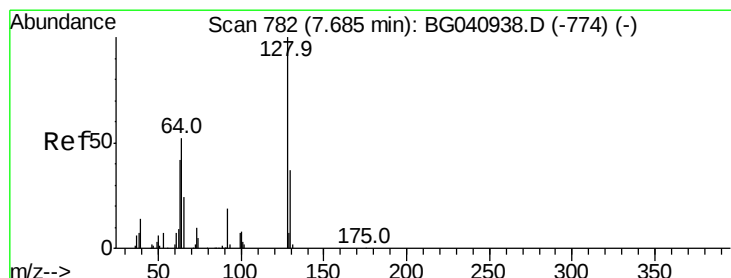
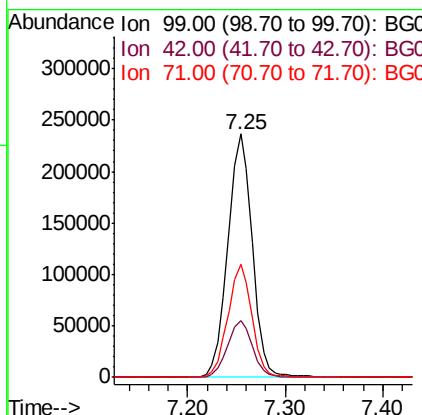
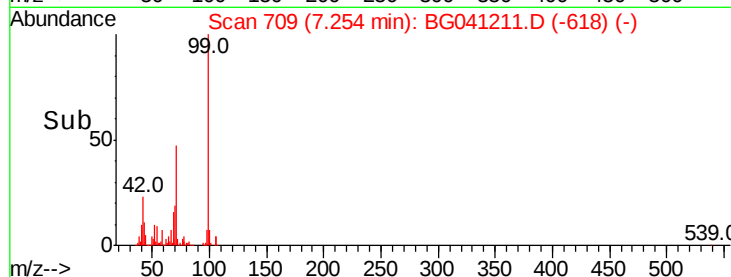
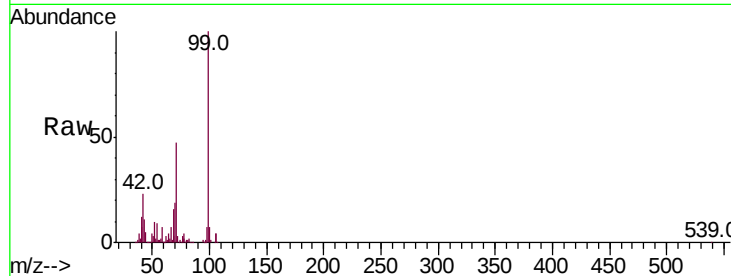
ClientSampleId :

SOIL-01

Tot Ion:	99	Resp:	410889
Ion Ratio	Lower	Upper	
99	100		
42	23.2	17.9	26.9
71	46.5	35.4	53.0

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#8

2-Chlorophenol

Concen: 44.536 ng

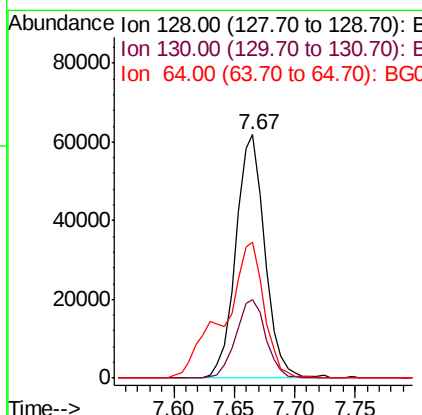
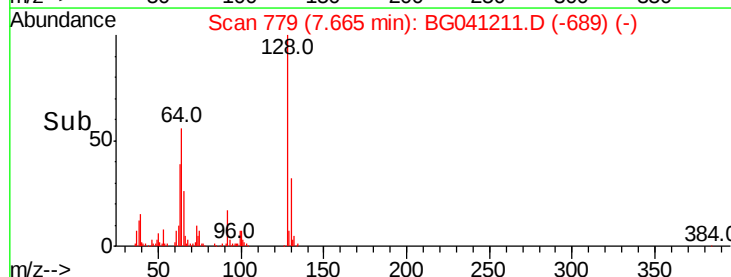
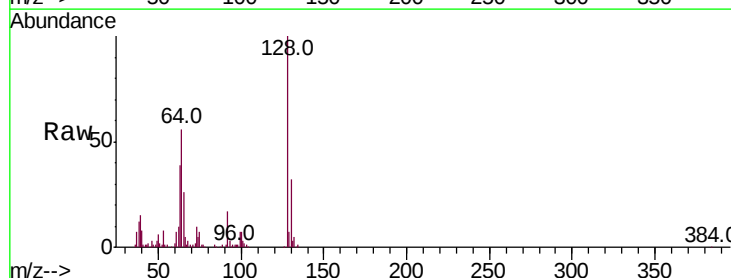
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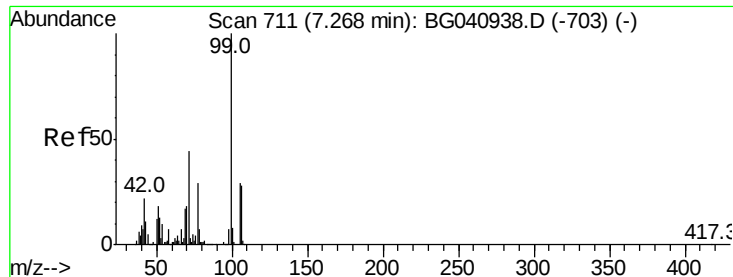
Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Tgt Ion:	128	Resp:	103839
Ion Ratio	Lower	Upper	
128	100		
130	32.1	16.6	56.6
64	55.9	37.8	77.8





#9

Benzaldehyde

Concen: 16.690 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

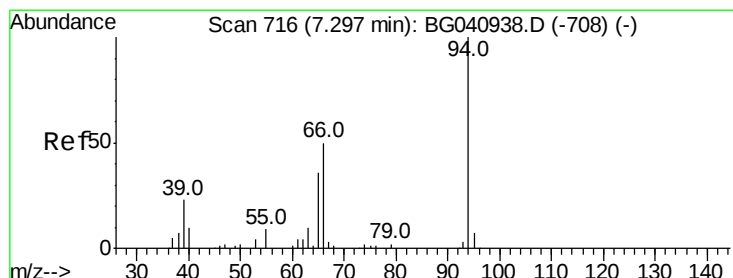
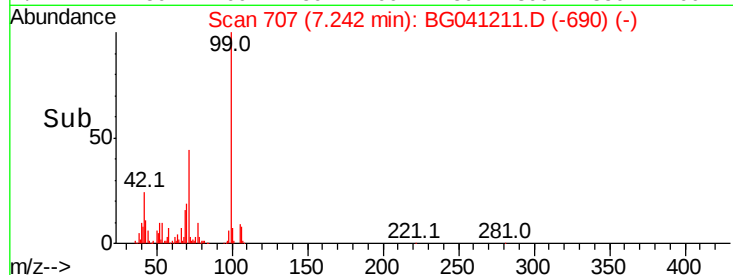
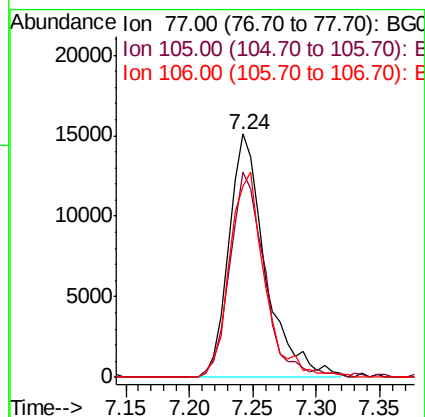
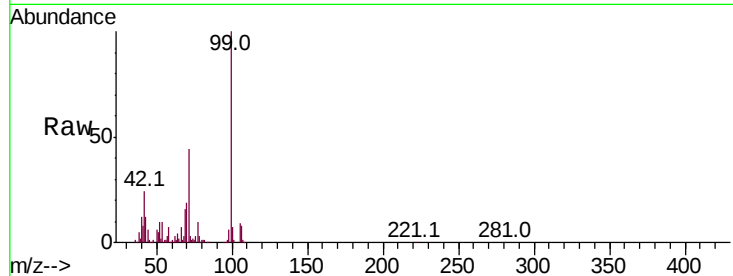
ClientSampleId :

SOIL-01

Tot Ion:	77	Resp:	30072
Ion Ratio	Lower	Upper	
77	100		
105	84.1	78.9	118.9
106	78.6	76.7	116.7

Manual Integrations
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#10

Phenol

Concen: 43.276 ng

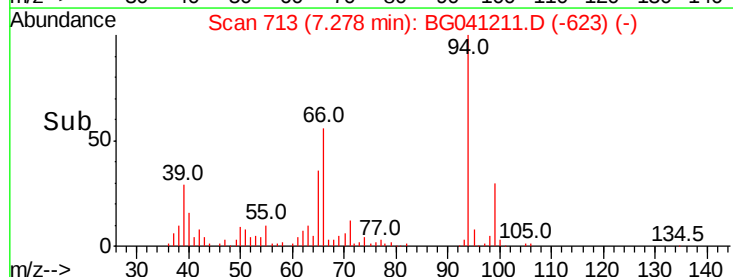
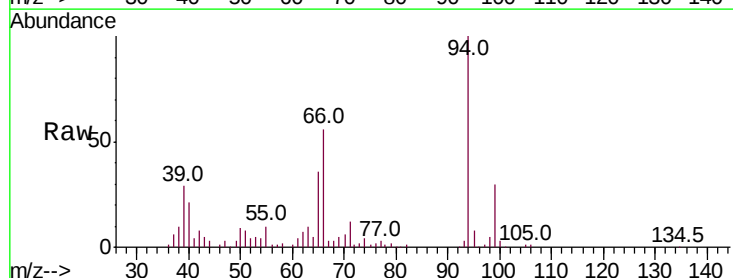
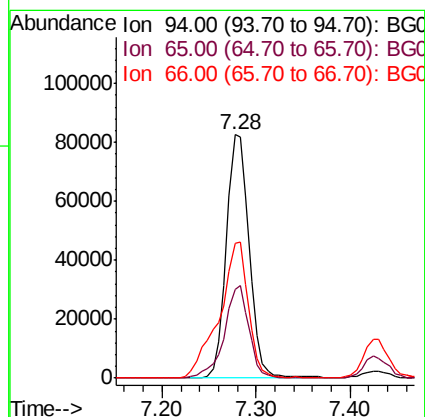
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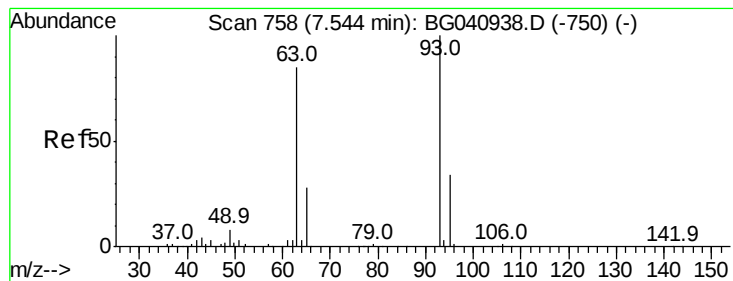
Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Tgt Ion:	94	Resp:	140150
Ion Ratio	Lower	Upper	
94	100		
65	36.4	17.0	57.0
66	55.5	32.4	72.4





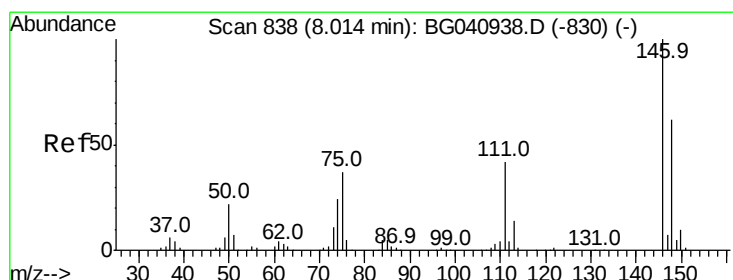
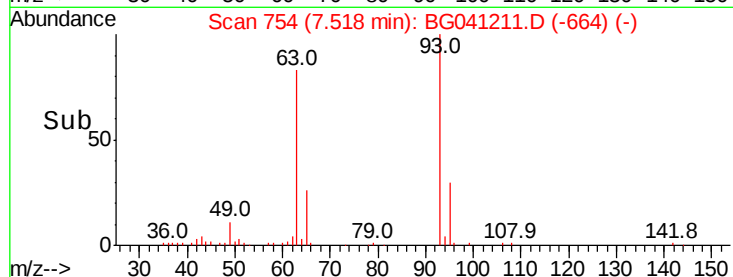
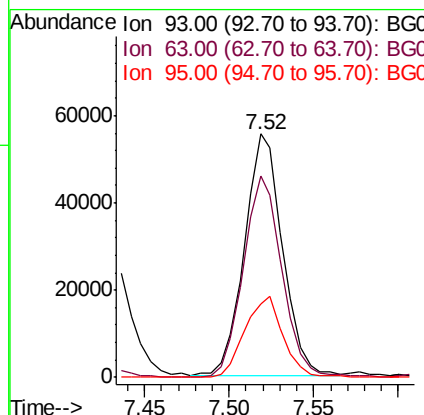
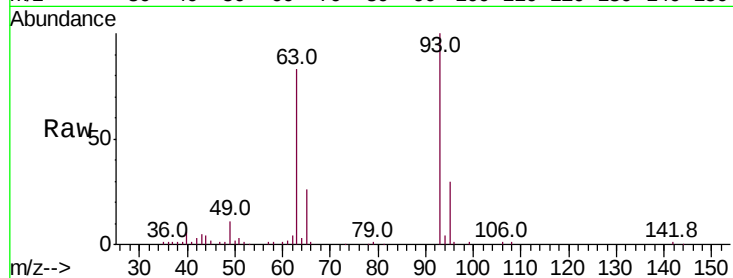
#11
bis(2-Chloroethyl)ether
Concen: 36.987 ng
RT: 7.52 min Scan# 754
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampleId :
SOIL-01

Tot Ion	Ratio	Lower	Upper
93	100		
63	82.8	64.5	104.5
95	29.9	13.3	53.3

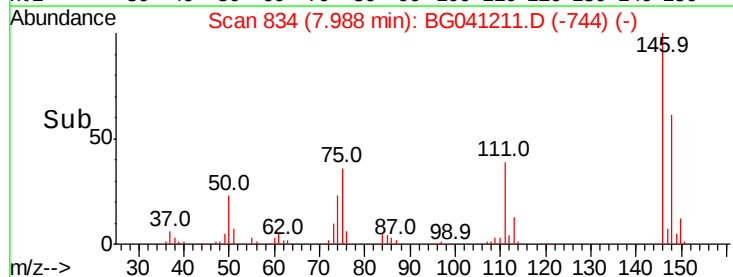
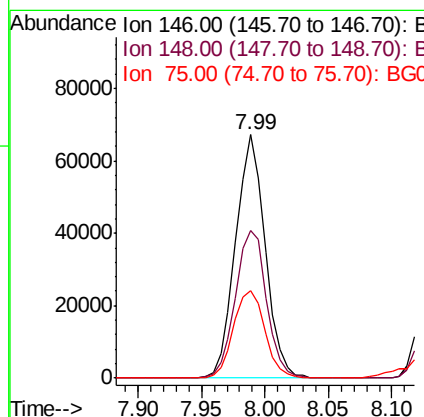
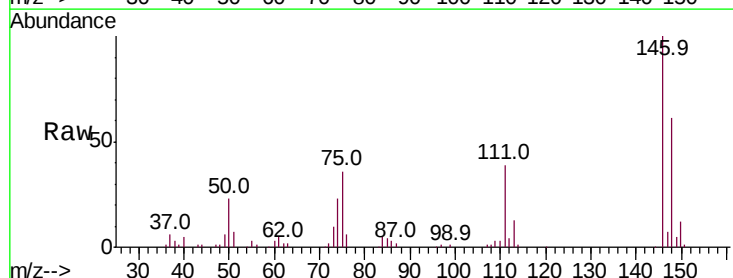
Manual Integrations
APPROVED

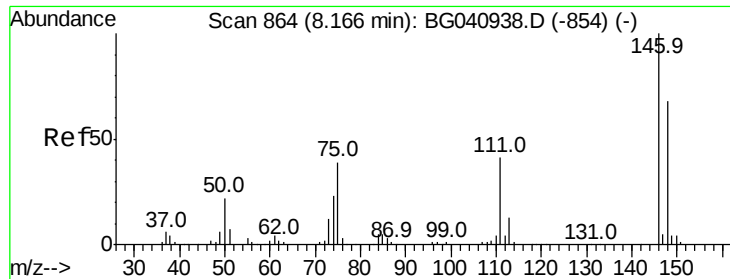
mohammad
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#12
1,3-Dichlorobenzene
Concen: 38.961 ng
RT: 7.99 min Scan# 834
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
146	100		
148	60.6	49.2	73.8
75	36.1	29.4	44.0





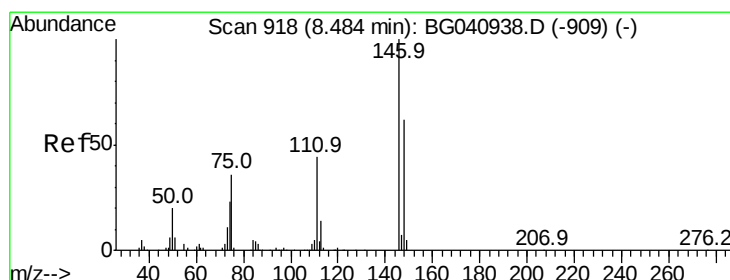
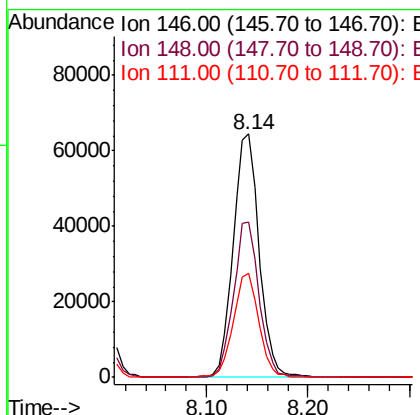
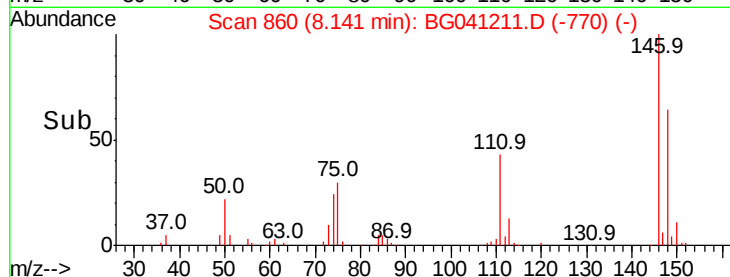
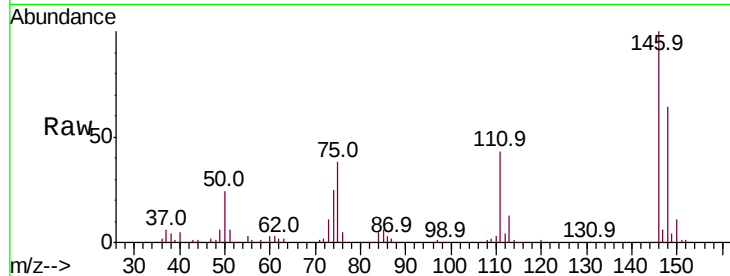
#13
 1,4-Dichlorobenzene
 Concen: 40.589 ng
 RT: 8.14 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-01

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.7	54.2	81.4
111	42.7	32.9	49.3

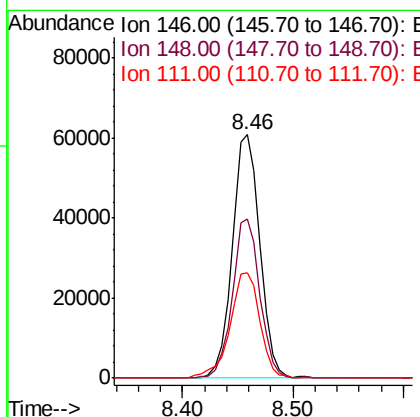
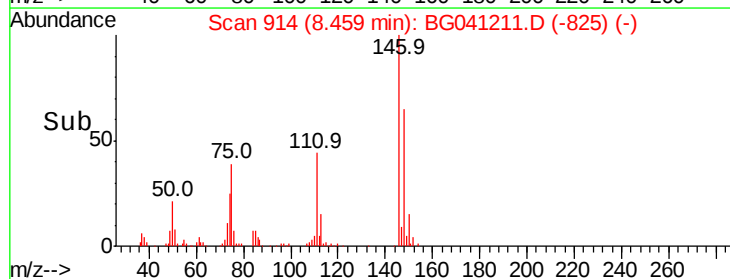
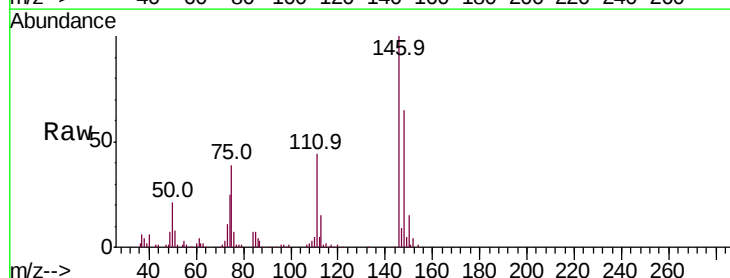
Manual Integrations
 APPROVED

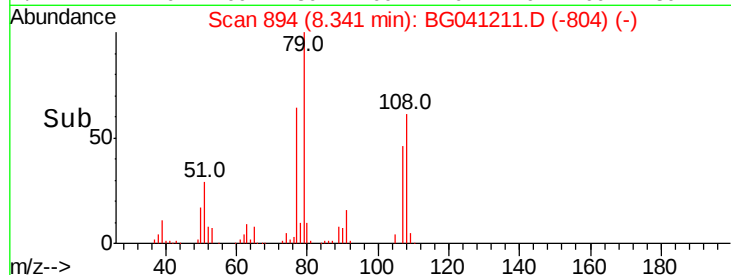
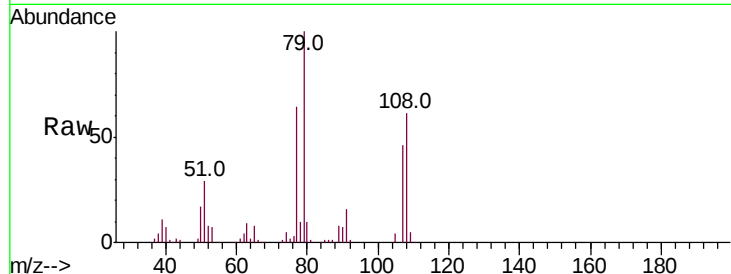
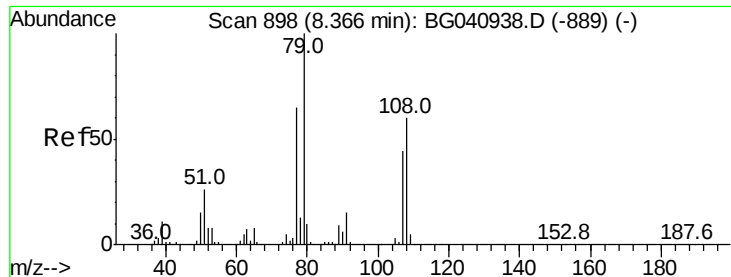
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 38.888 ng
 RT: 8.46 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.3	49.8	74.6
111	43.5	35.0	52.4





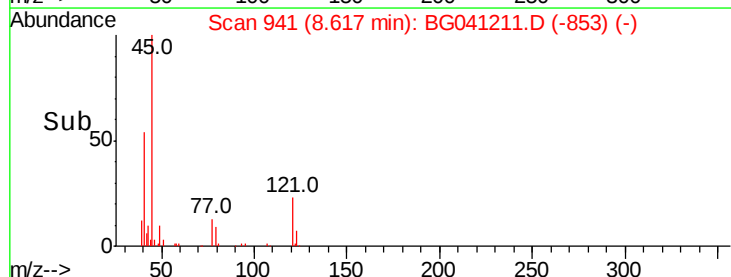
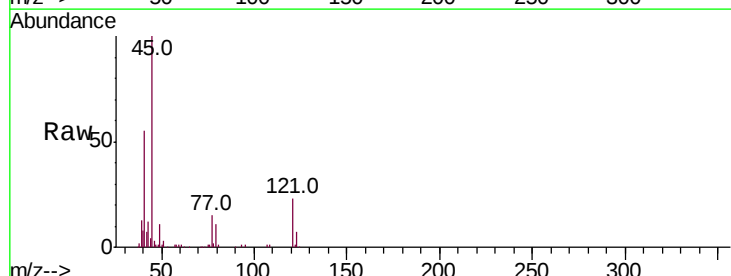
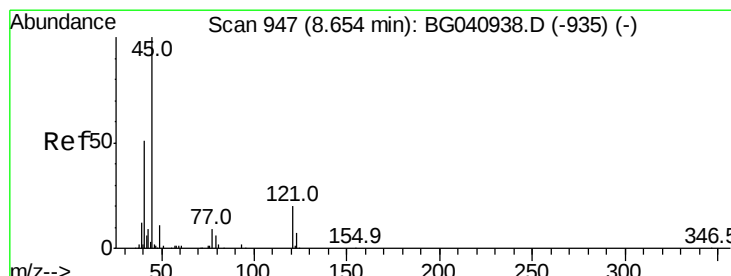
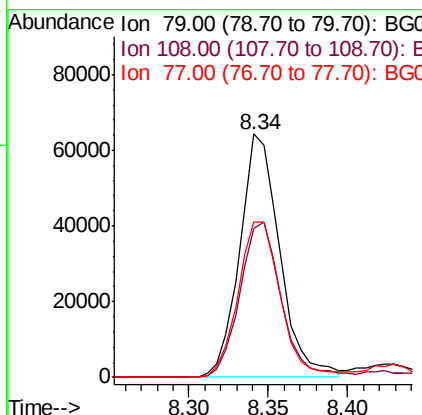
#15
Benzyl Alcohol
Concen: 40.342 ng
RT: 8.34 min Scan# 894
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tot Ion	Ratio	Lower	Upper
79	100		
108	61.0	48.3	72.5
77	63.7	52.3	78.5

Instrument :
BNA_G
ClientSampleId :
SOIL-01

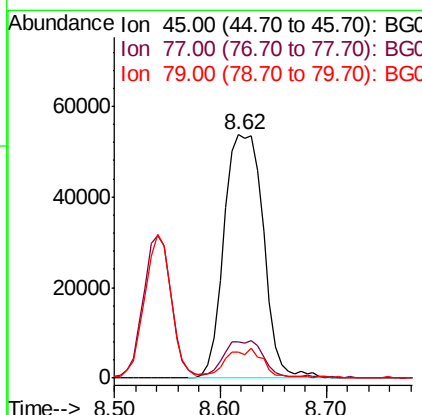
Manual Integrations
APPROVED

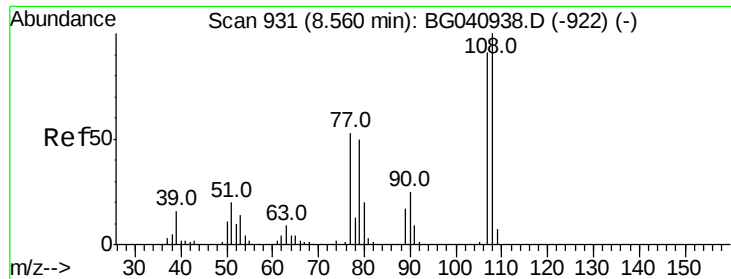
mohammad
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.111 ng
RT: 8.62 min Scan# 941
Delta R.T. -0.01 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.8	0.0	33.7
79	10.9	0.0	30.2





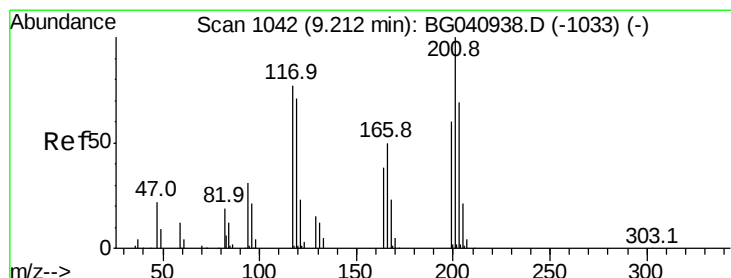
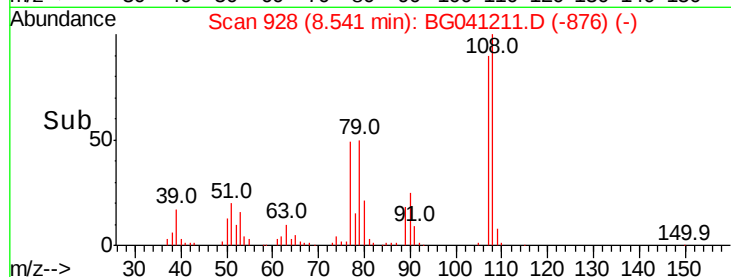
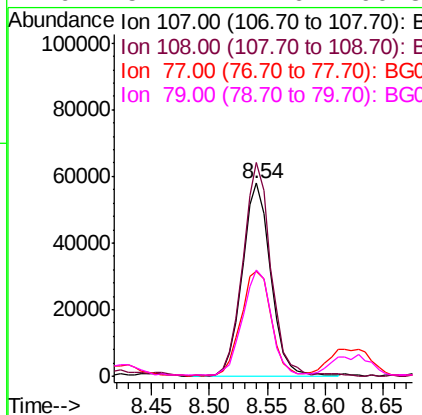
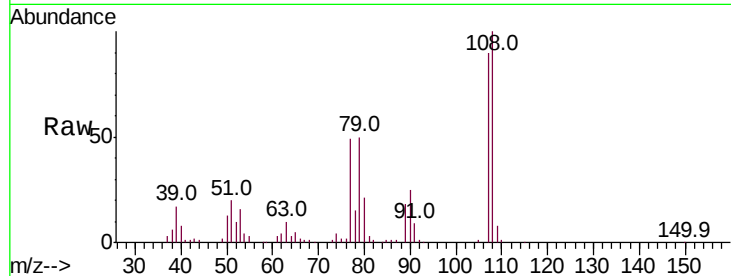
#17
2-Methylphenol
Concen: 42.390 ng
RT: 8.54 min Scan# 928
Delta R.T. 0.01 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampled :
SOIL-01

Tot Ion:	107	Resp:	99397
Ion Ratio	Lower	Upper	
107	100		
108	110.5	87.7	131.5
77	54.2	46.6	70.0
79	54.7	44.6	66.8

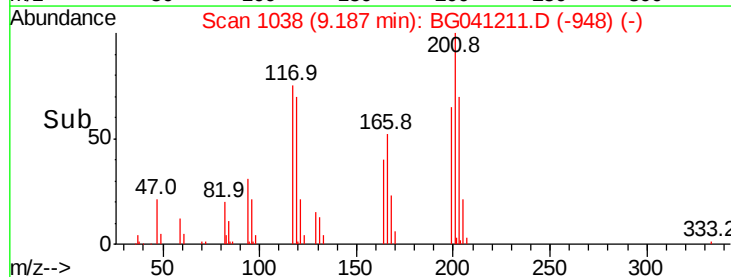
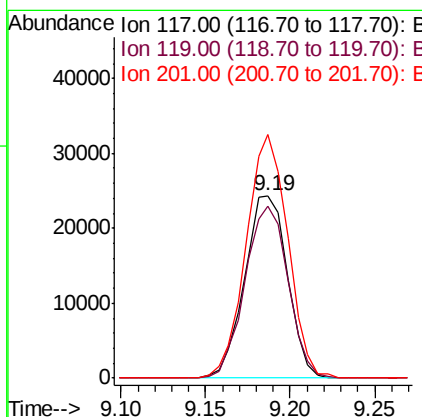
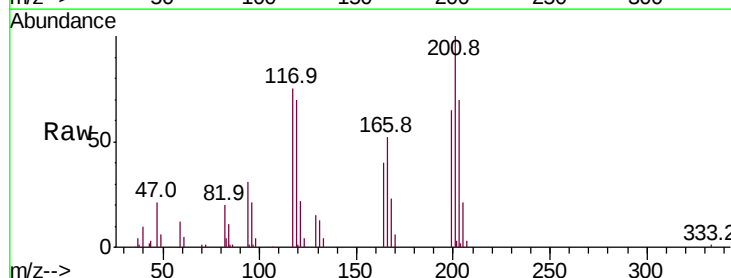
Manual Integrations
APPROVED

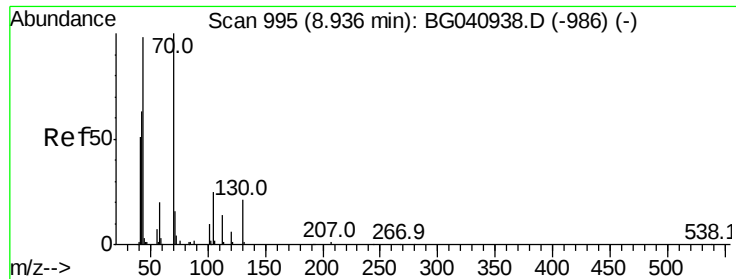
mohammad
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#18
Hexachloroethane
Concen: 39.517 ng
RT: 9.19 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion:	117	Resp:	42932
Ion Ratio	Lower	Upper	
117	100		
119	94.2	75.0	112.6
201	133.7	103.5	155.3





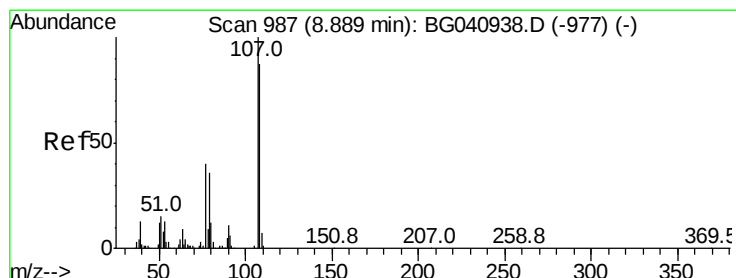
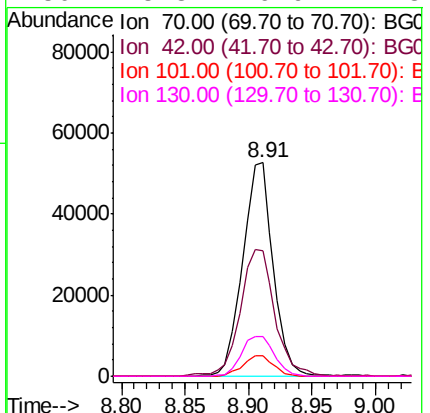
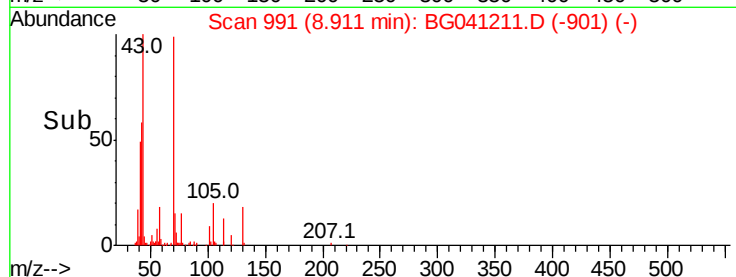
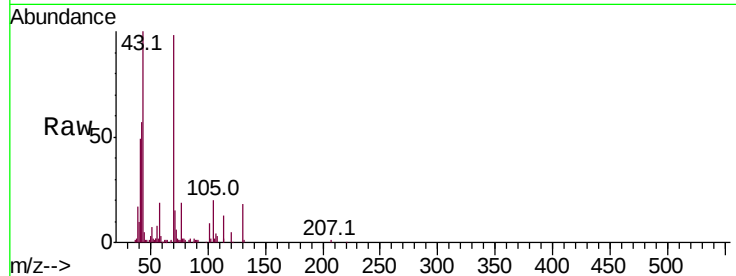
#19
n-Nitroso-di-n-propylamine
Concen: 37.727 ng
RT: 8.91 min Scan# 991
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampleId :
SOIL-01

Tot Ion	Ratio	Lower	Upper
70	100		
42	58.4	51.5	77.3
101	9.6	8.1	12.1
130	18.8	16.6	24.8

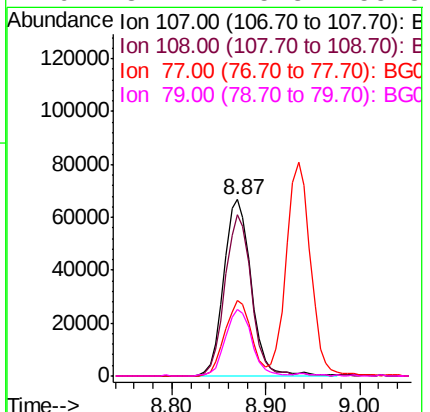
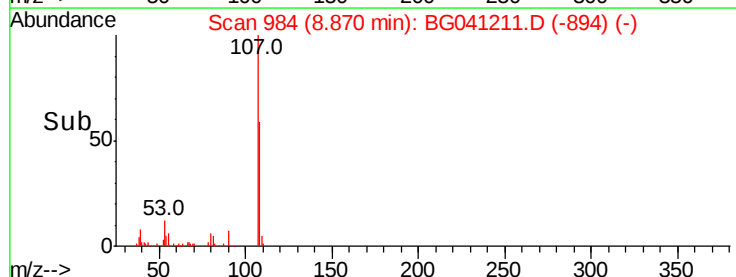
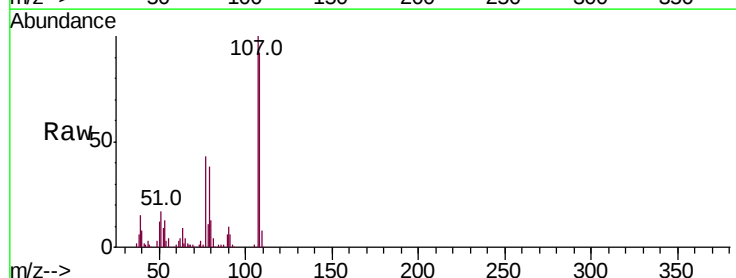
Manual Integrations
APPROVED

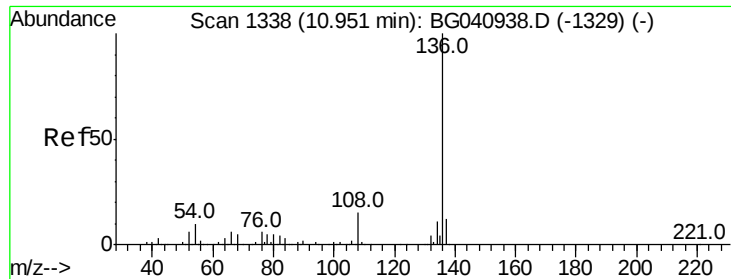
mohammad
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#20
3+4-Methylphenols
Concen: 41.843 ng
RT: 8.87 min Scan# 984
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.5	66.8	106.8
77	42.9	20.5	60.5
79	37.7	15.8	55.8





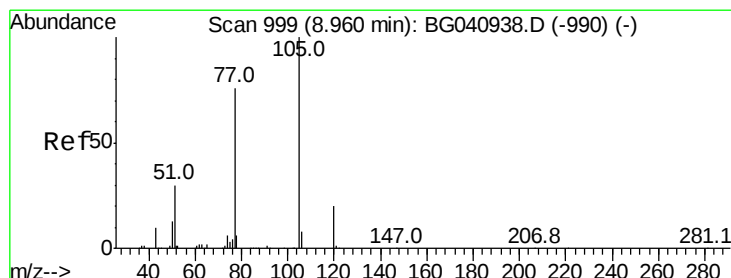
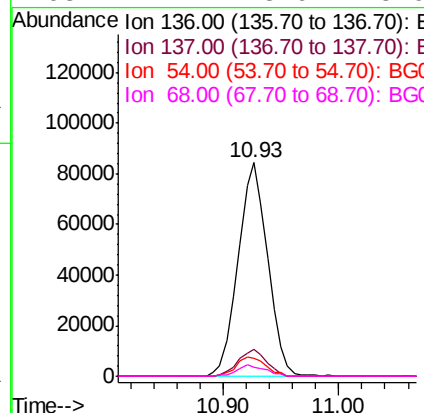
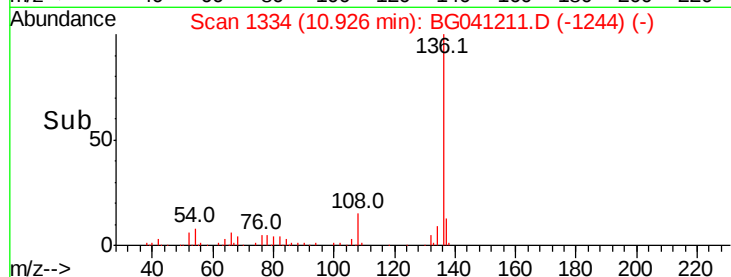
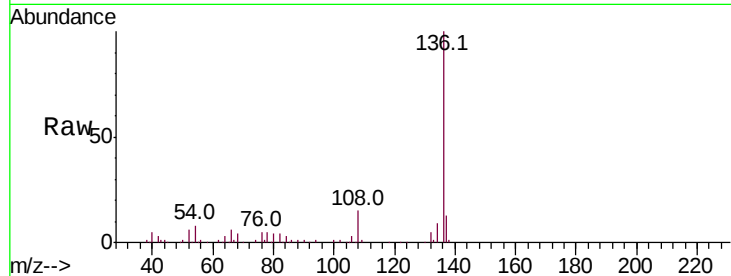
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampleId :
SOIL-01

Tot Ion	Ratio	Resp	Lower	Upper
136	100	148982		
137	12.5		9.5	14.3
54	8.5		7.6	11.4
68	4.4		3.9	5.9

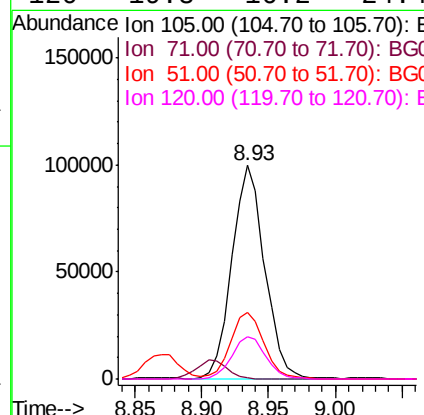
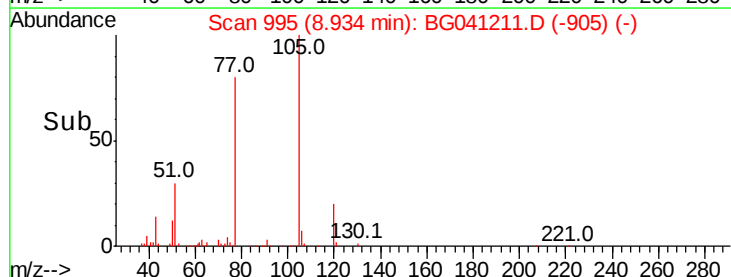
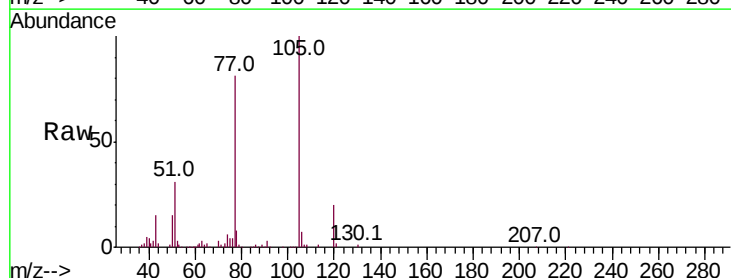
Manual Integrations
APPROVED

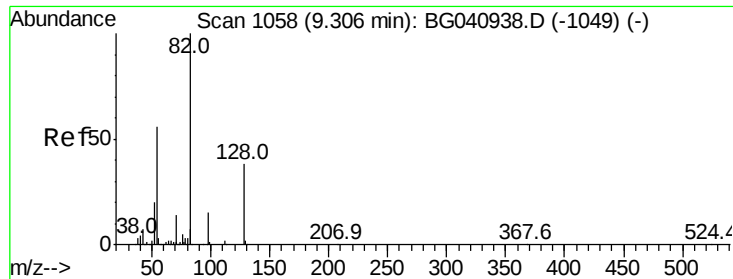
mohammad
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#22
Acetophenone
Concen: 40.777 ng
RT: 8.93 min Scan# 995
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	170415		
71	0.5		0.4	0.6
51	31.2		27.0	40.6
120	19.8		16.2	24.4





#23

Nitrobenzene-d5

Concen: 83.652 ng

RT: 9.28 min Scan# 1054

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

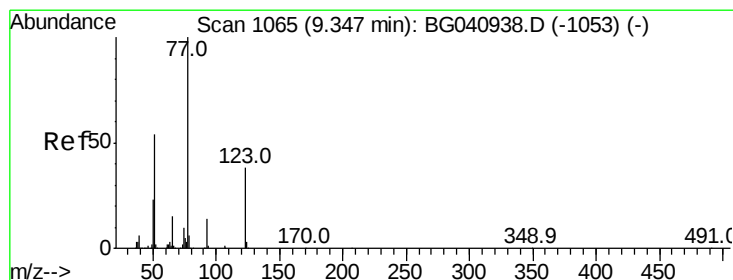
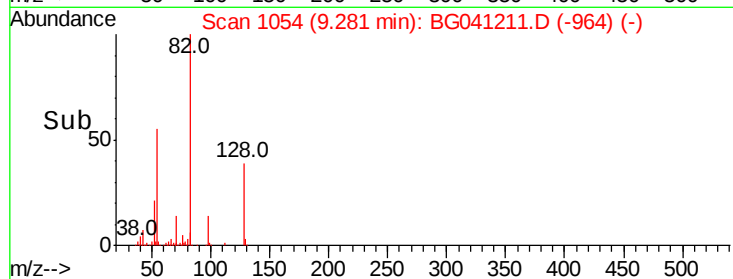
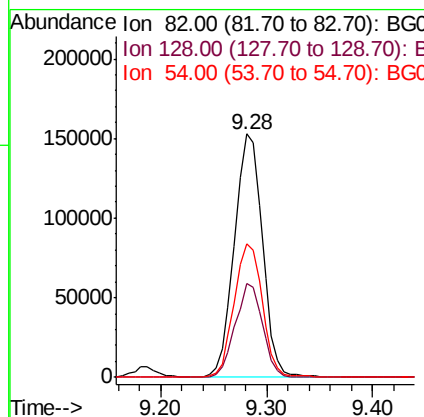
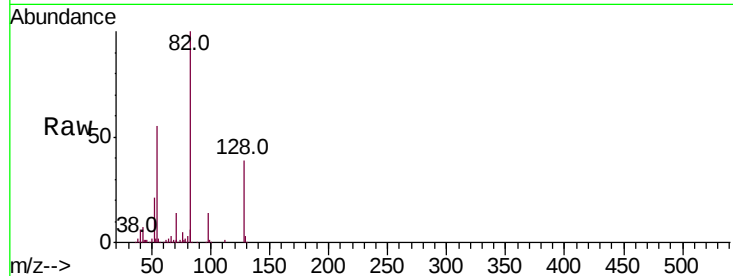
ClientSampleId :

SOIL-01

Tot Ion:	82	Resp:	280732
Ion Ratio	Lower	Upper	
82	100		
128	38.7	30.5	45.7
54	55.1	44.6	66.8

Manual Integrations
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#24

Nitrobenzene

Concen: 41.696 ng

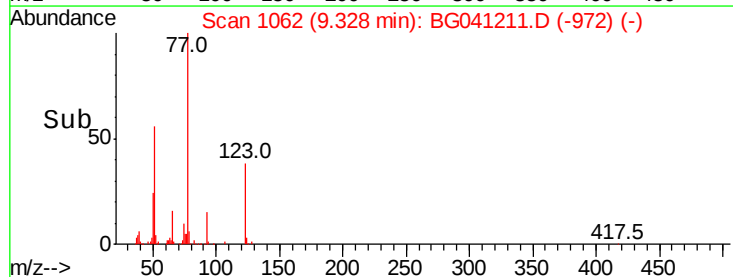
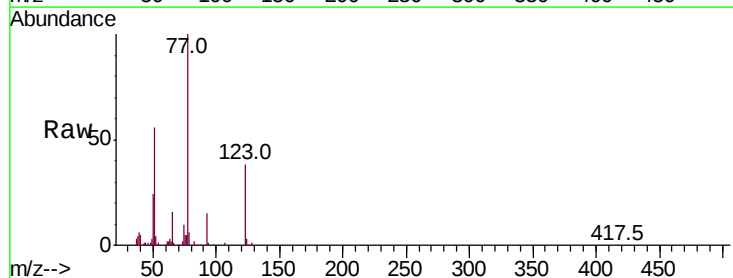
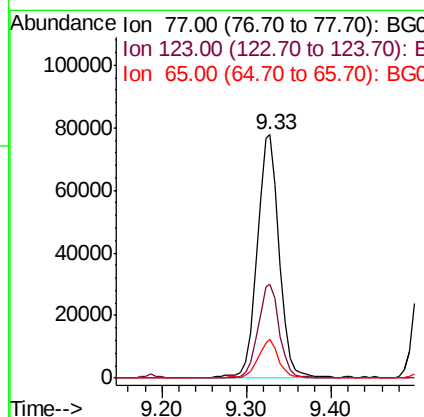
RT: 9.33 min Scan# 1062

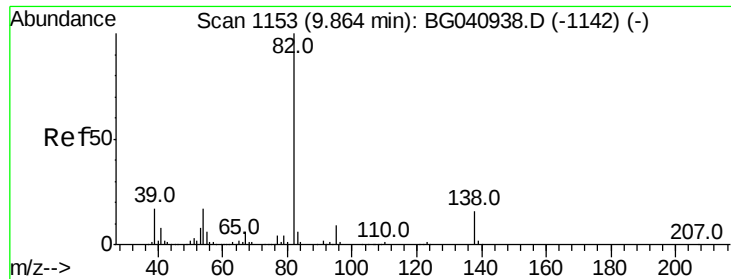
Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Tgt Ion:	77	Resp:	142599
Ion Ratio	Lower	Upper	
77	100		
123	38.5	30.6	46.0
65	15.8	12.3	18.5





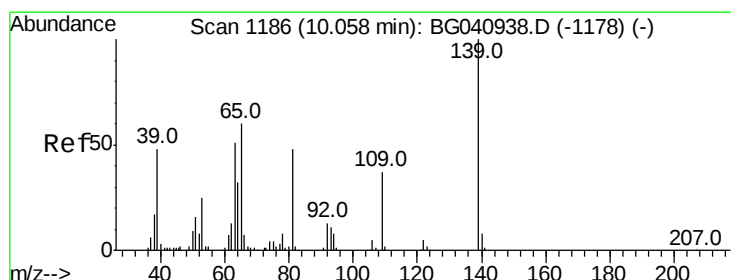
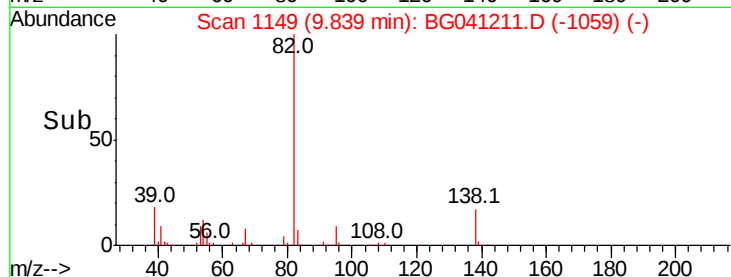
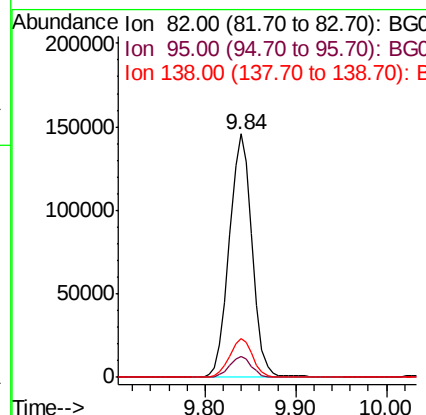
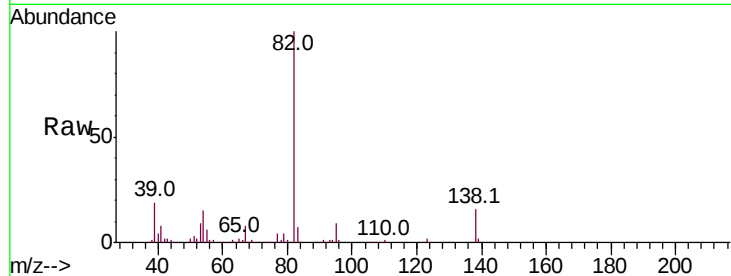
#25
Isophorone
Concen: 39.706 ng
RT: 9.84 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampleId :
SOIL-01

Tot Ion	Ratio	Resp	Lower	Upper
82	100	253587		
95	8.8		7.0	10.4
138	16.2		12.6	19.0

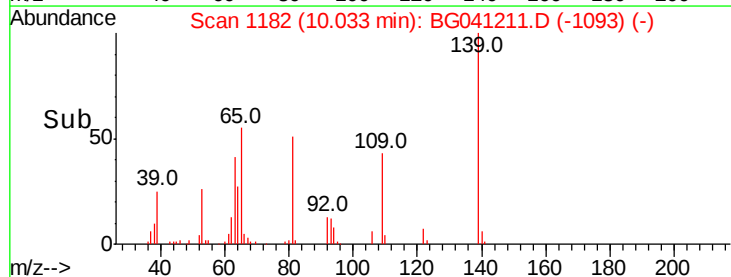
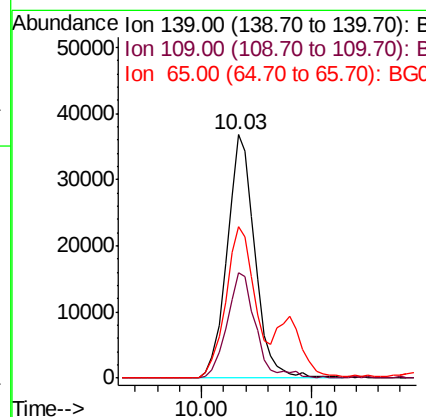
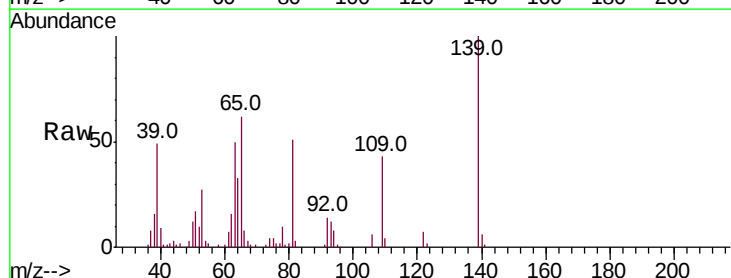
Manual Integrations
APPROVED

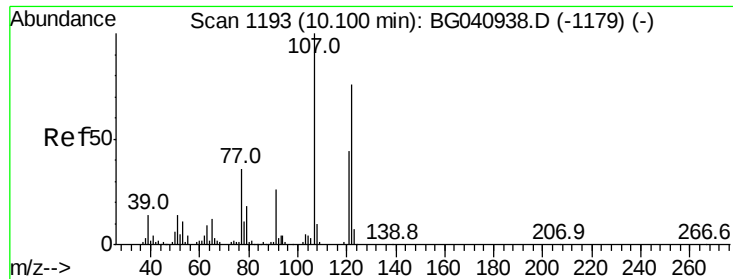
mohammad
6/14/2019 8:36:51 AM



#26
2-Nitrophenol
Concen: 45.721 ng
RT: 10.03 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	64461		
109	43.3		29.8	44.6
65	62.3		47.8	71.6





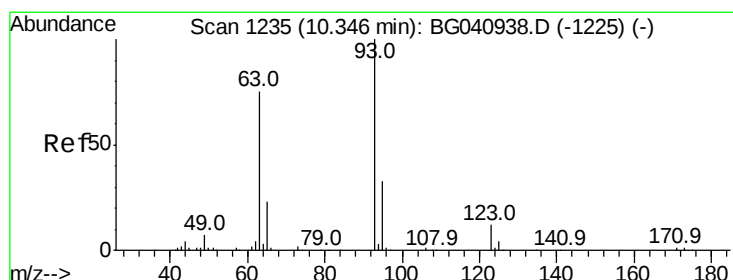
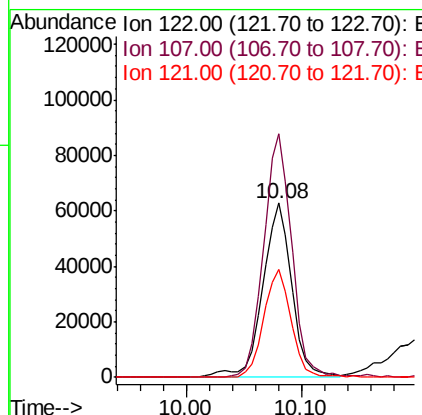
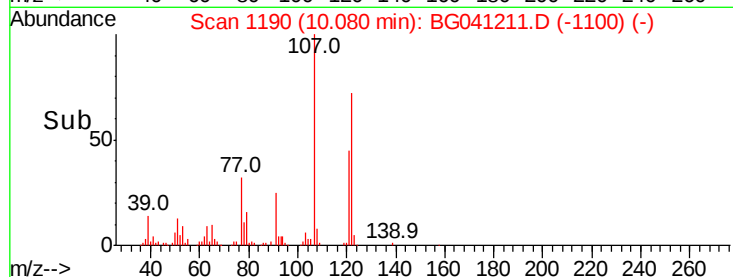
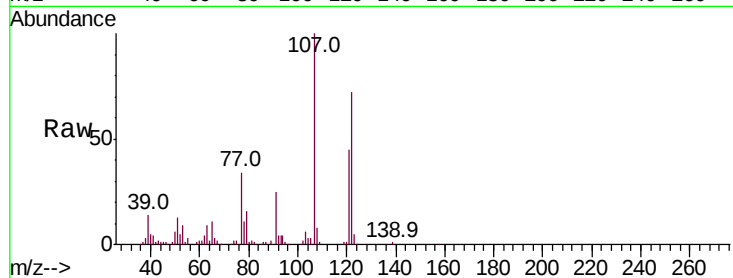
#27
2,4-Dimethylphenol
Concen: 47.411 ng
RT: 10.08 min Scan# 1190
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampled :
SOIL-01

Tot Ion	Ratio	Lower	Upper
122	100		
107	139.7	105.9	158.9
121	62.3	46.2	69.4

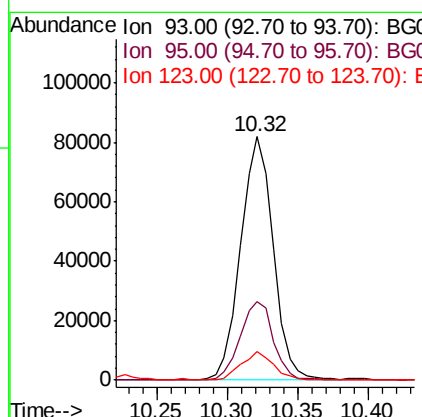
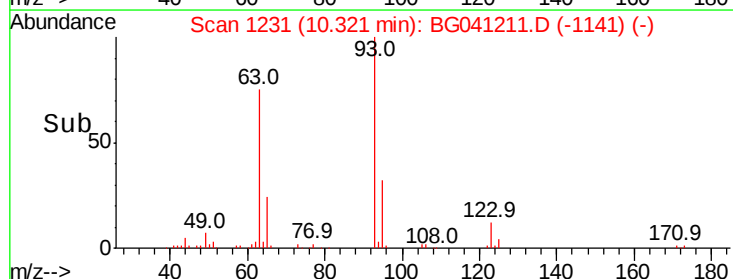
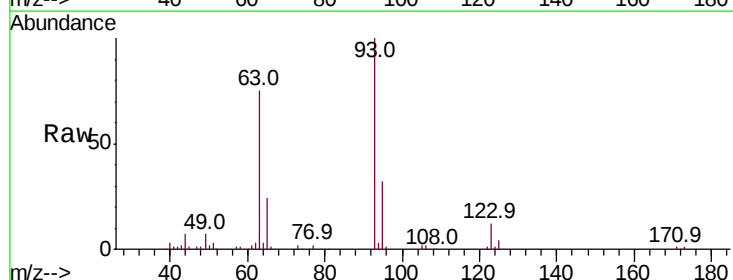
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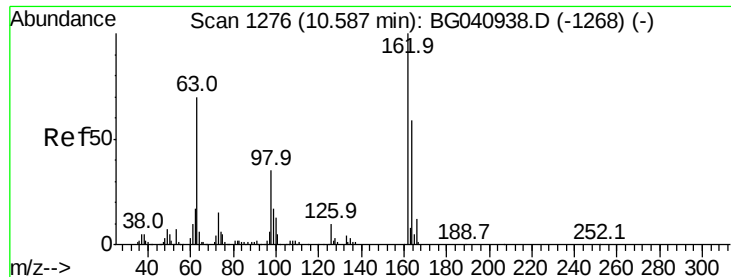
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 38.332 ng
RT: 10.32 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.2
123	11.8	9.5	14.3





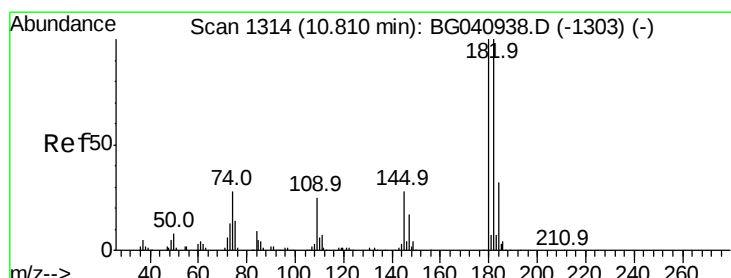
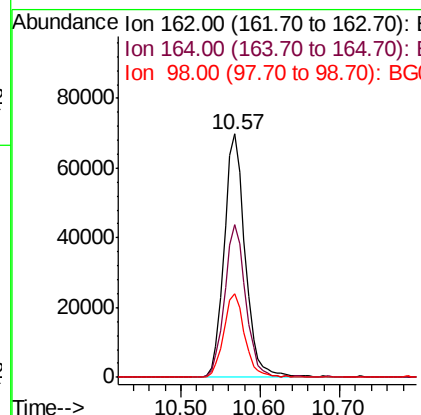
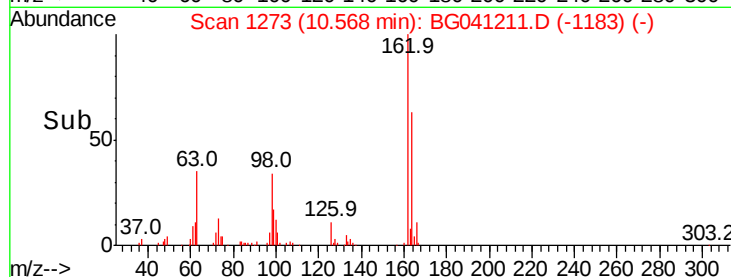
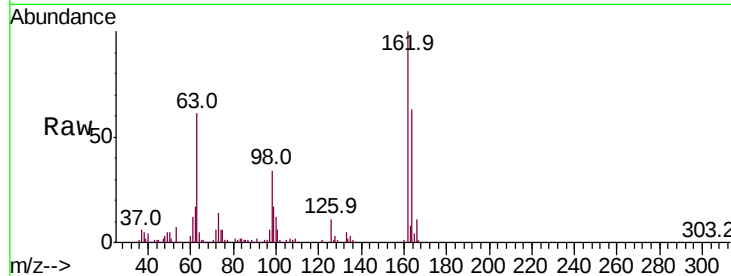
#29
 2,4-Dichlorophenol
 Concen: 43.389 ng
 RT: 10.57 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-01

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	62.8	39.4	79.4
98	34.5	15.3	55.3

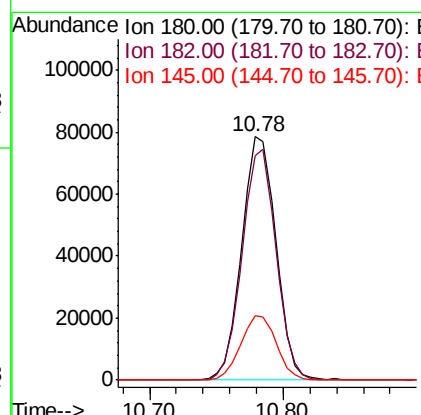
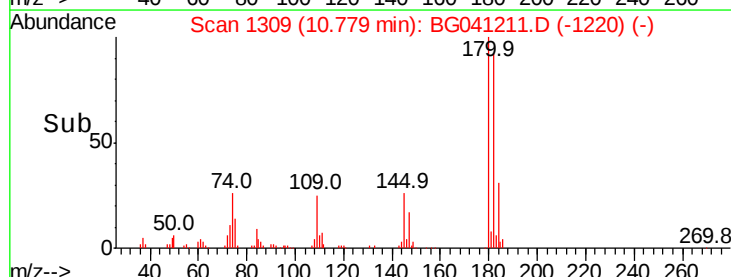
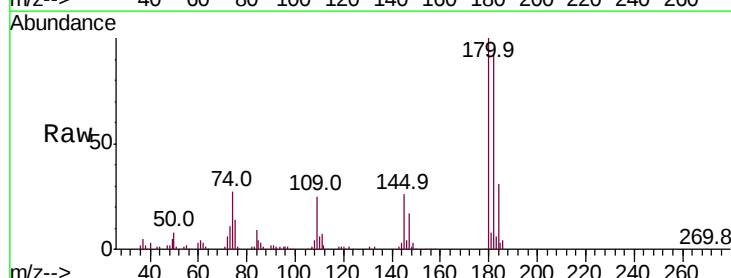
Manual Integrations
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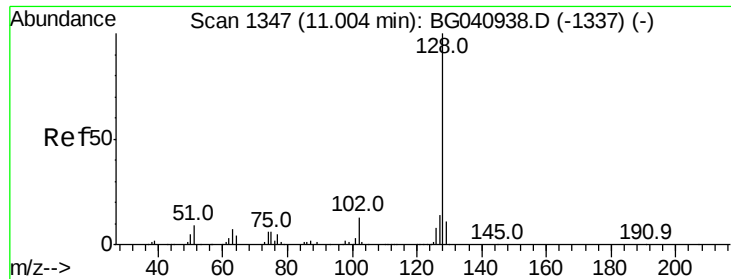
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#30
 1,2,4-Trichlorobenzene
 Concen: 41.461 ng
 RT: 10.78 min Scan# 1309
 Delta R.T. -0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	92.4	79.7	119.5
145	26.3	22.6	34.0





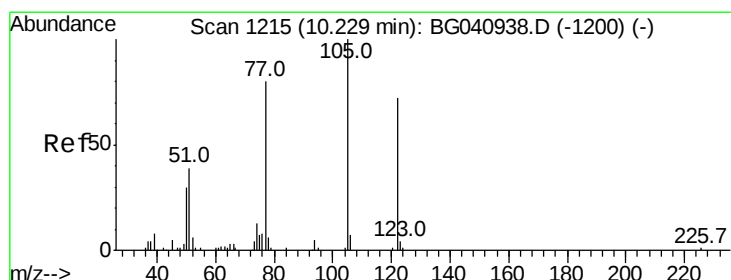
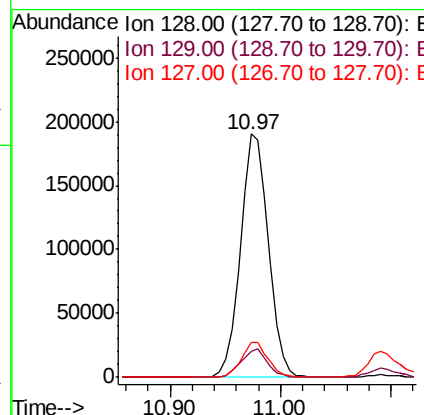
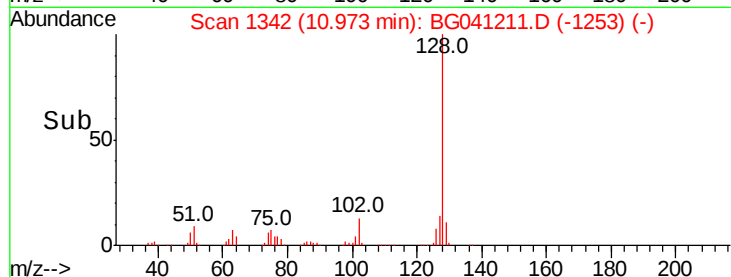
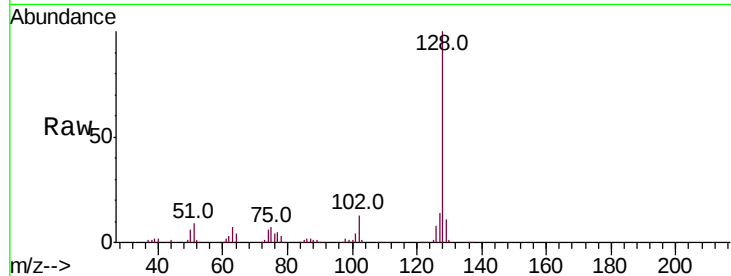
#31
Naphthalene
Concen: 42.197 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampled :
SOIL-01

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.5	12.7
127	14.4	11.4	17.2

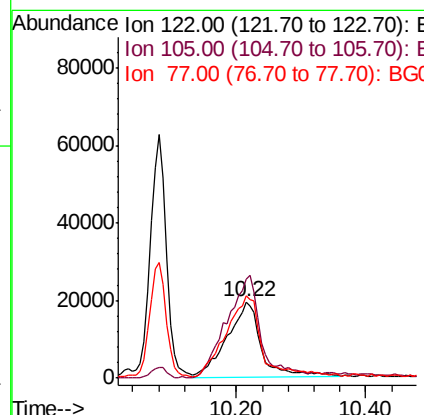
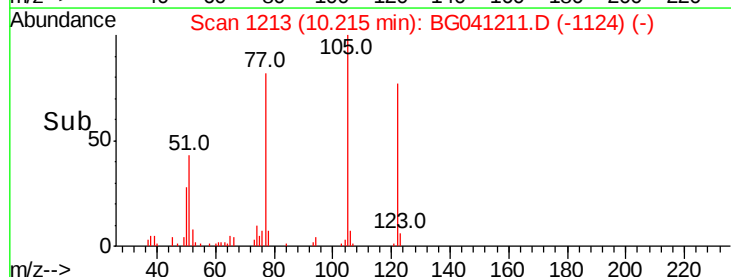
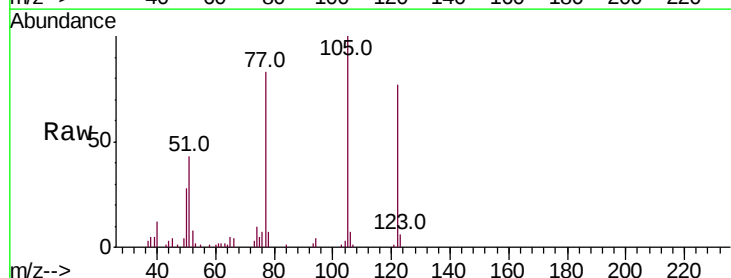
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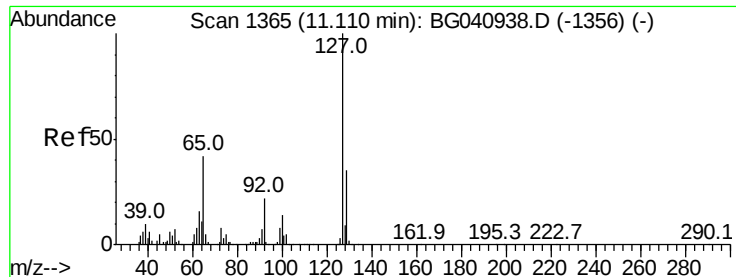
mohammad
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#32
Benzoic acid
Concen: 41.030 ng m
RT: 10.22 min Scan# 1213
Delta R.T. -0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
122	100		
105	129.5	114.8	154.8
77	107.3	89.9	129.9





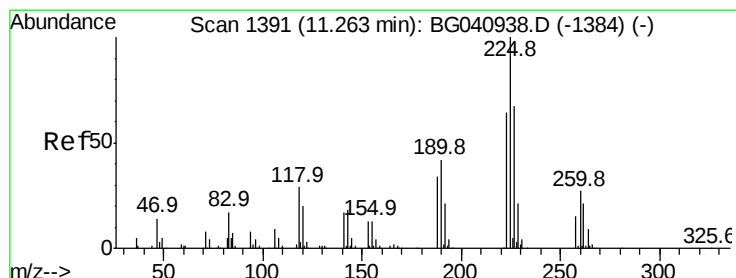
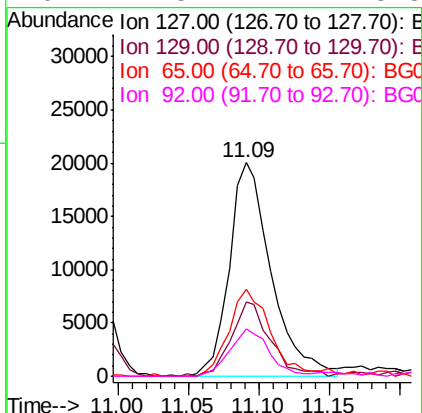
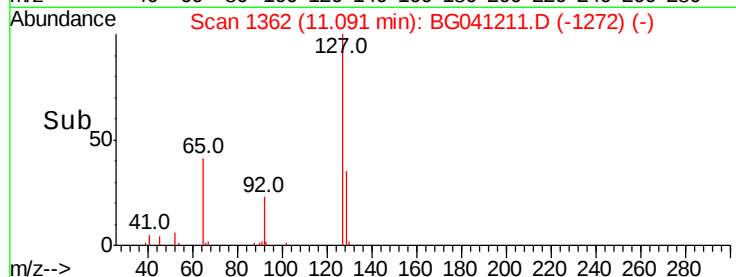
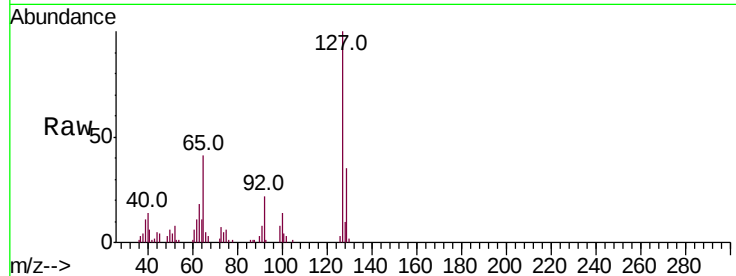
#33
4-Chloroaniline
Concen: 11.193 ng
RT: 11.09 min Scan# 1362
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampleId :
SOIL-01

Tot Ion	Ratio	Lower	Upper
127	100		
129	34.6	27.7	41.5
65	41.0	33.2	49.8
92	22.5	17.2	25.8

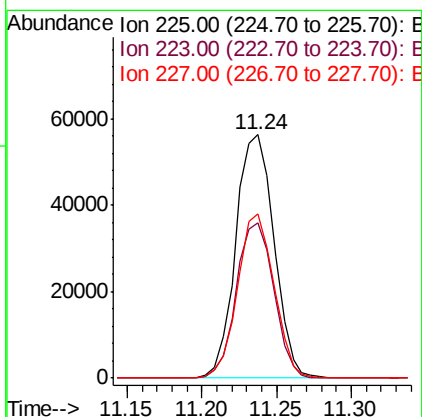
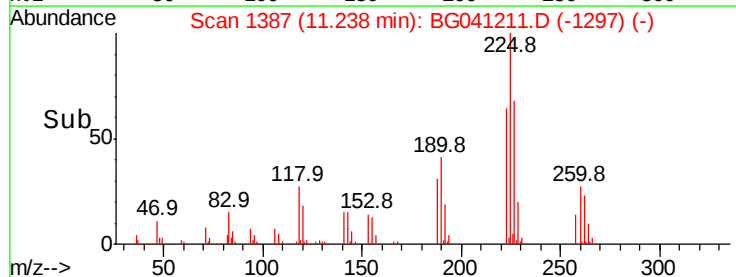
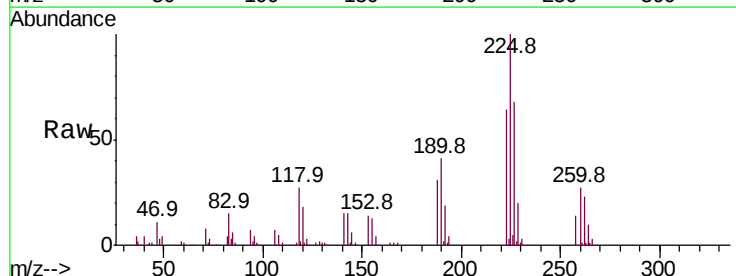
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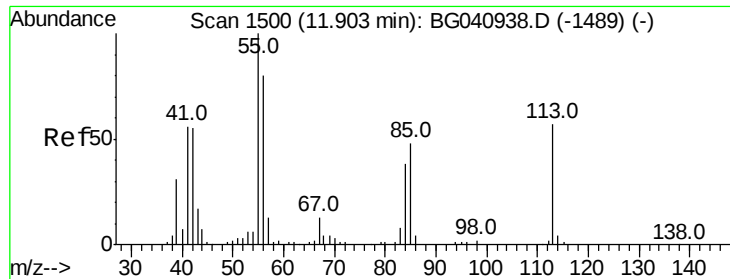
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#34
Hexachlorobutadiene
Concen: 38.889 ng
RT: 11.24 min Scan# 1387
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	48.8	73.2
227	67.5	51.4	77.0





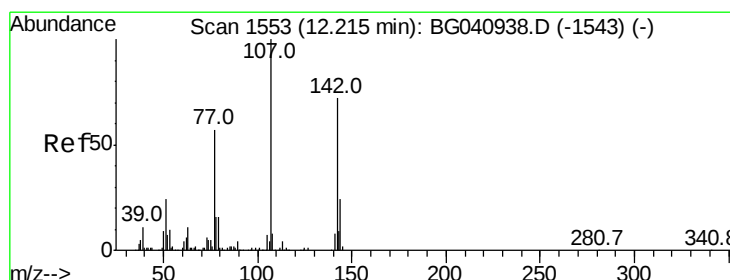
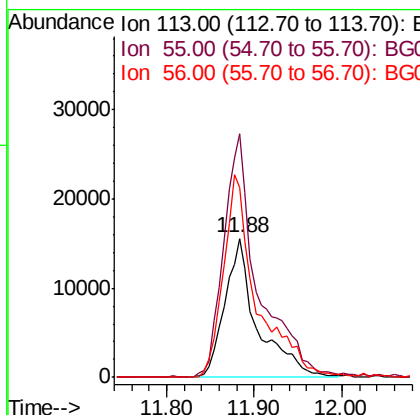
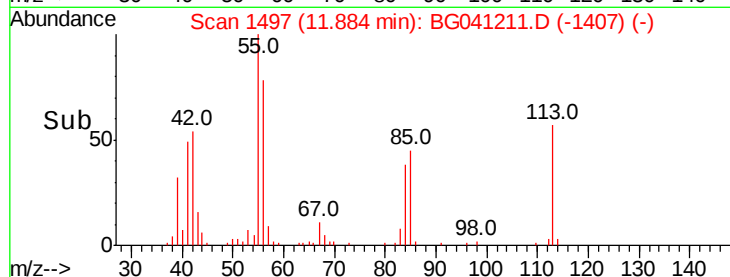
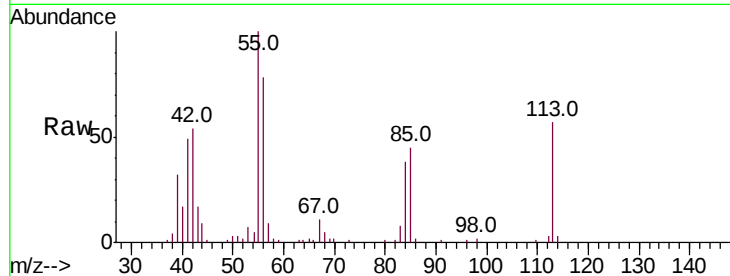
#35
 Caprolactam
 Concen: 40.870 ng
 RT: 11.88 min Scan# 1497
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Instrument :
 BNA_G
 ClientSampled :
 SOIL-01

Tot Ion	Ratio	Lower	Upper
113	100		
55	175.1	155.9	195.9
56	136.2	119.9	159.9

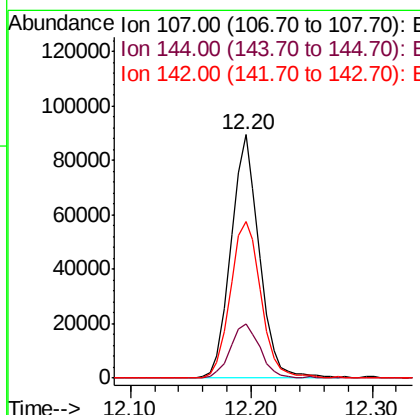
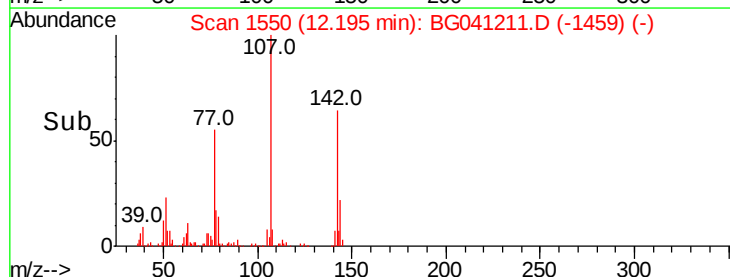
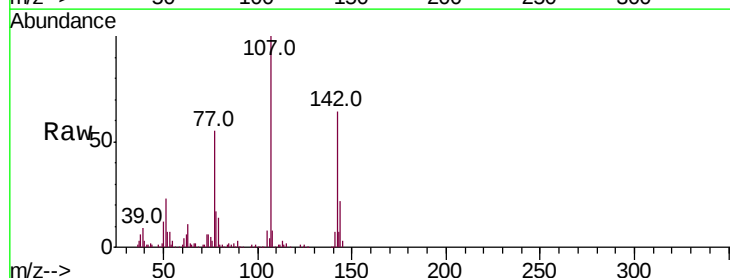
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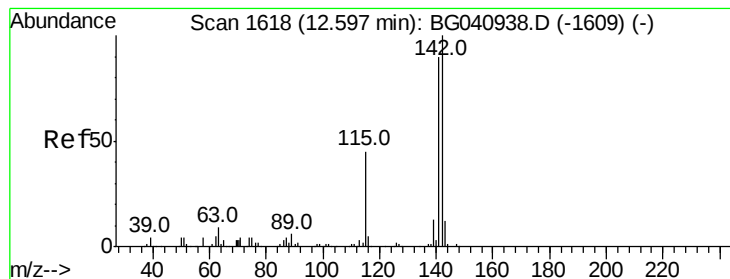
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#36
 4-Chloro-3-methylphenol
 Concen: 43.299 ng
 RT: 12.20 min Scan# 1550
 Delta R.T. 0.01 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
107	100		
144	22.2	19.4	29.0
142	64.3	57.3	85.9





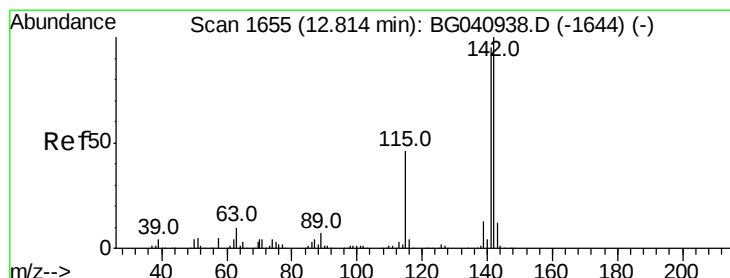
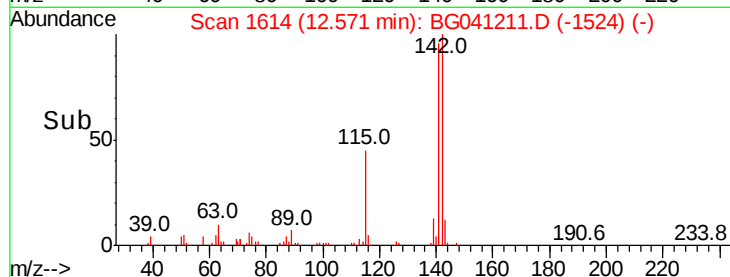
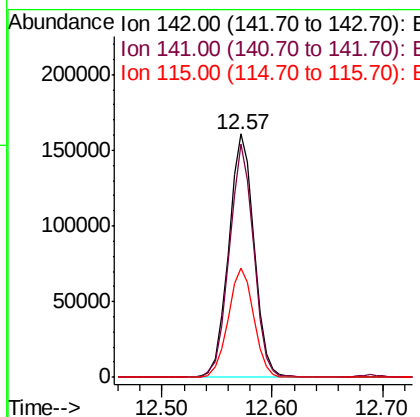
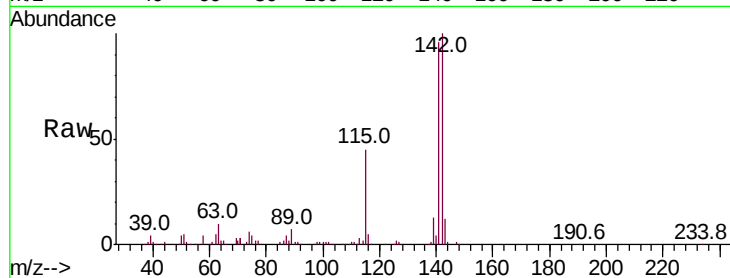
#37
 2-Methylnaphthalene
 Concen: 42.023 ng
 RT: 12.57 min Scan# 1614
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-01

Tot Ion	Ratio	Lower	Upper
142	100		
141	95.9	72.2	108.4
115	44.9	36.2	54.4

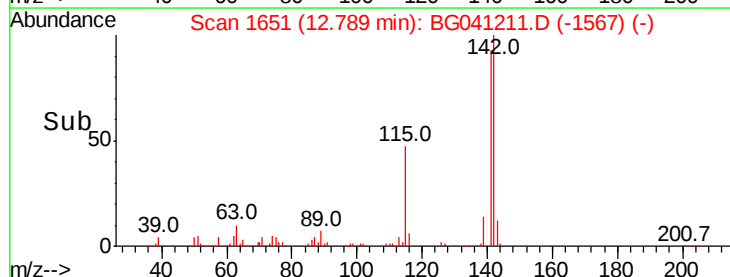
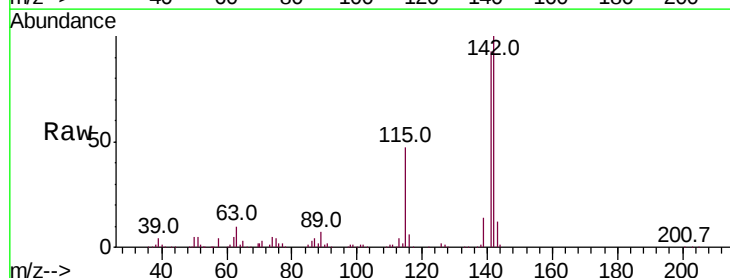
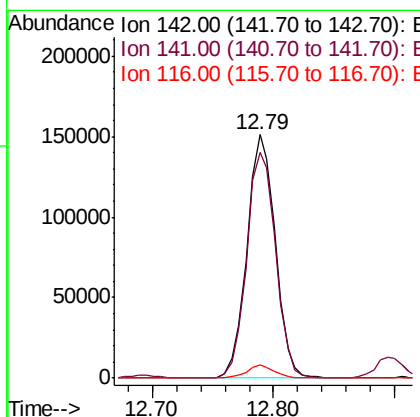
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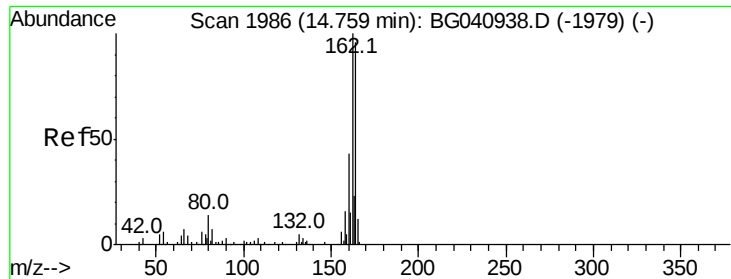
mohammad
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#38
 1-Methylnaphthalene
 Concen: 42.743 ng
 RT: 12.79 min Scan# 1651
 Delta R.T. -0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.9	75.7	113.5
116	5.5	3.4	5.2#





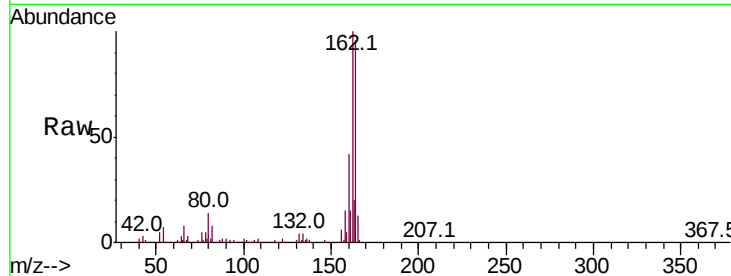
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampled :
SOIL-01

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.8	83.0	124.4
160	44.1	35.6	53.4

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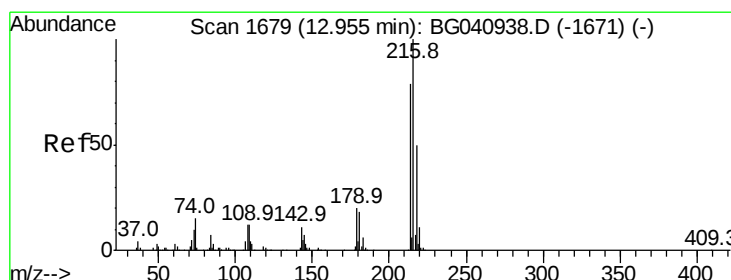
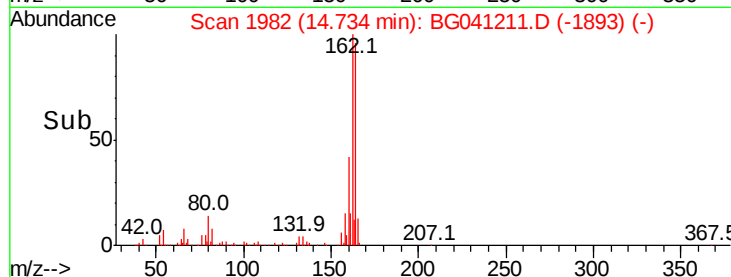
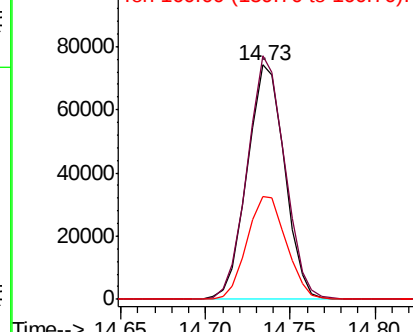


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.002 ng
RT: 12.94 min Scan# 1676
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.8	63.4	95.2
179	18.6	15.2	22.8
108	17.0	11.4	17.2

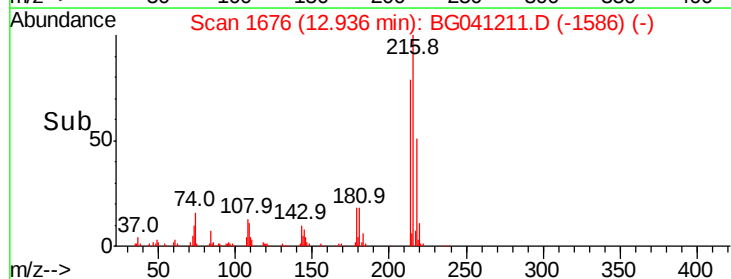
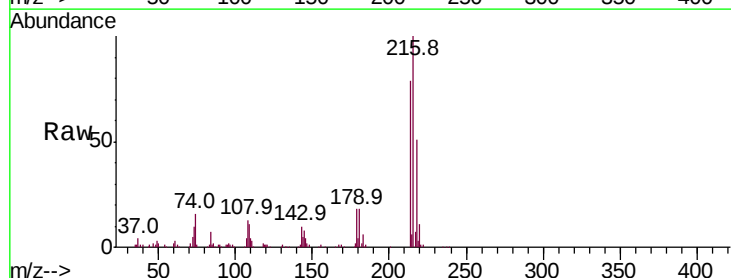
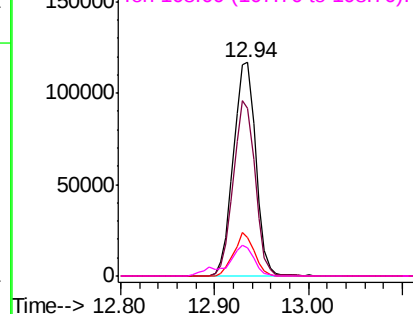
Abundance

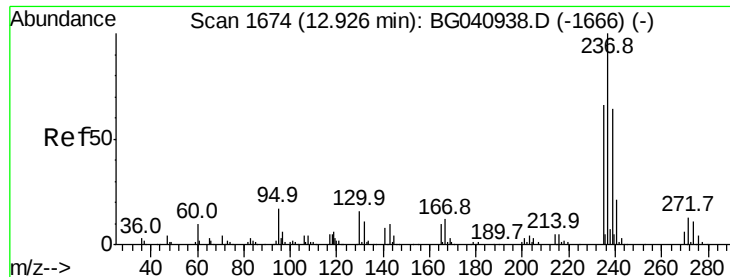
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 86.641 ng

RT: 12.89 min Scan# 1669

Delta R.T. -0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

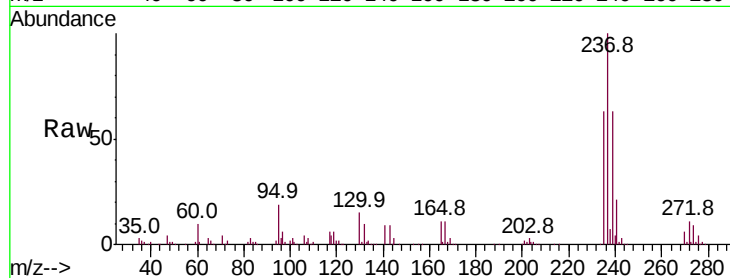
ClientSampled :

SOIL-01

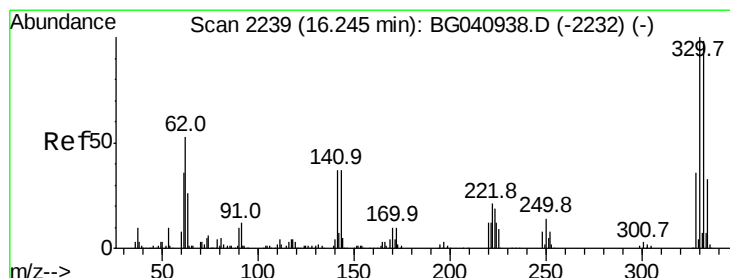
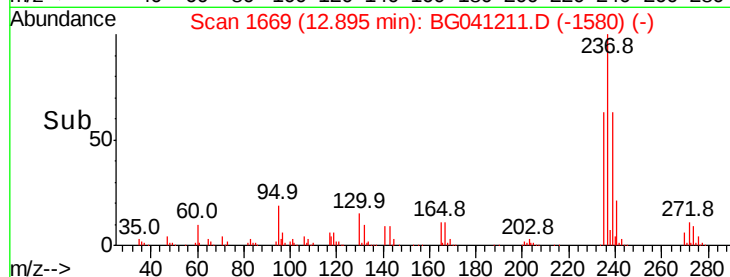
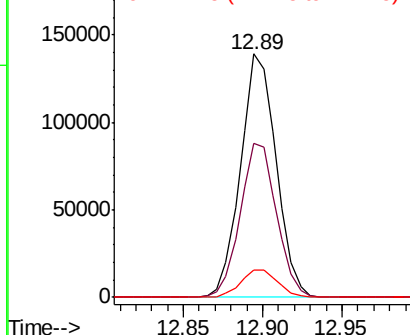
Tot Ion:	237	Resp:	216755
Ion Ratio	Lower	Upper	
237	100		
235	63.0	45.5	85.5
272	11.2	0.0	32.9

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



#42

2,4,6-Tribromophenol

Concen: 133.977 ng

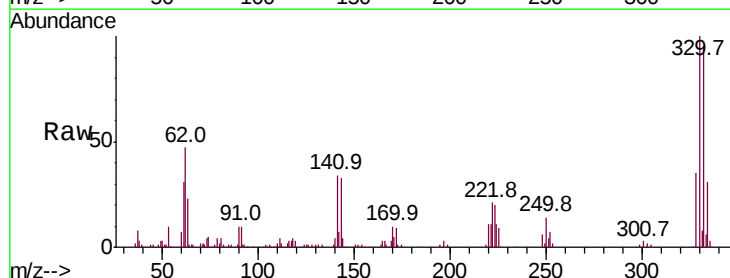
RT: 16.23 min Scan# 2236

Delta R.T. 0.00 min

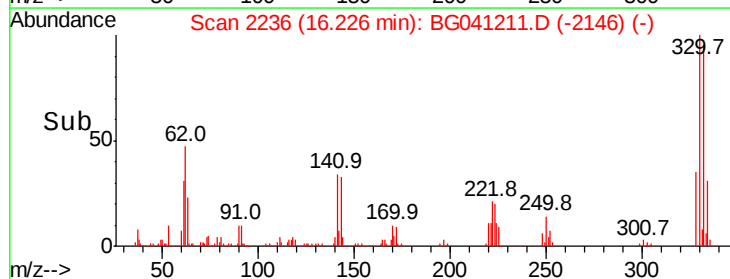
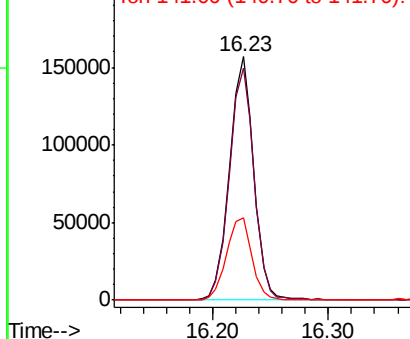
Lab File: BG041211.D

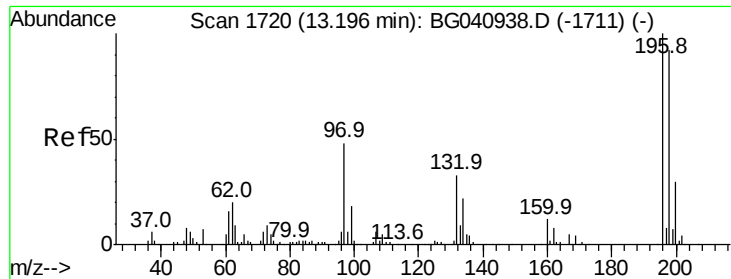
Acq: 12 Jun 2019 18:12

Tgt Ion:	330	Resp:	227663
Ion Ratio	Lower	Upper	
330	100		
332	97.4	78.5	117.7
141	35.4	28.7	43.1



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





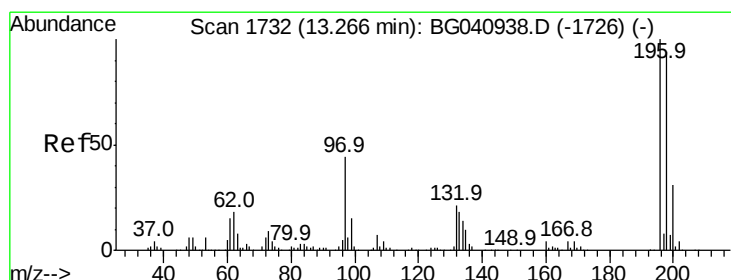
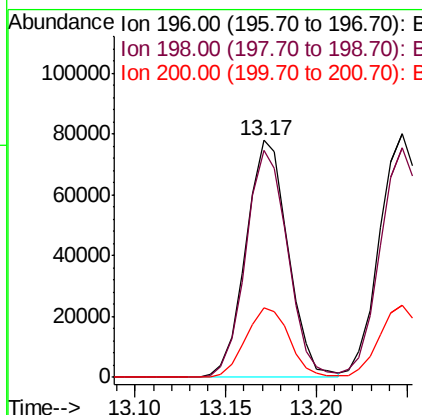
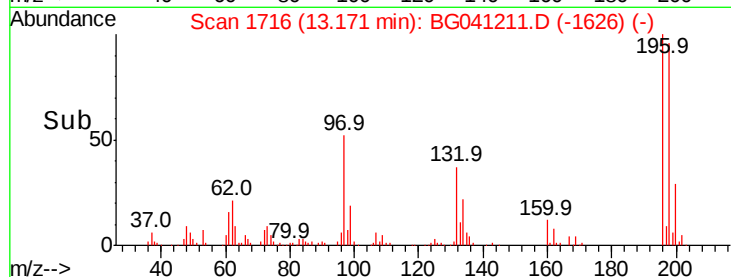
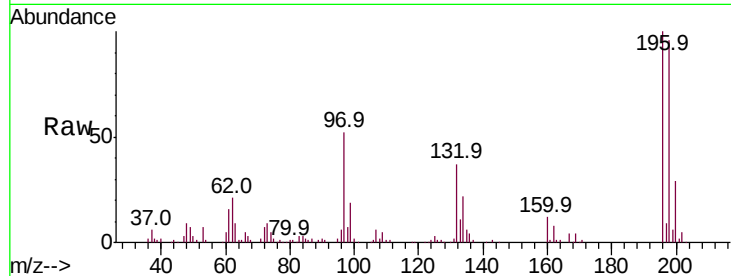
#43
 2,4,6-Trichlorophenol
 Concen: 42.258 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Instrument :
 BNA_G
 ClientSampled :
 SOIL-01

Tot Ion	Ratio	Resp	Lower	Upper
196	100	126119		
198	95.7	73.8	110.6	
200	29.3	24.1	36.1	

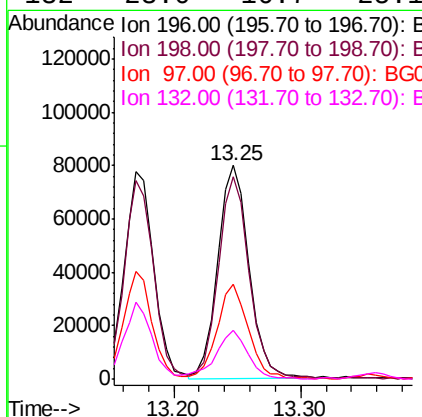
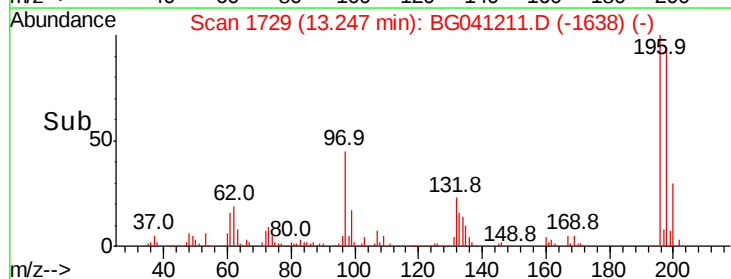
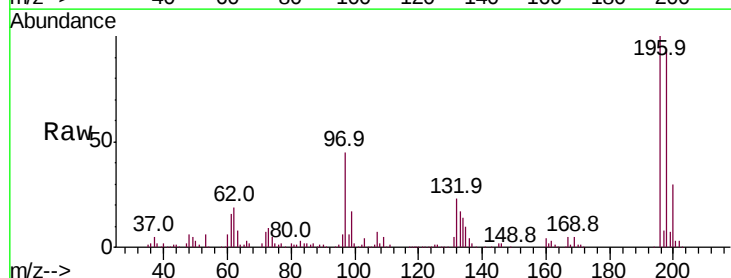
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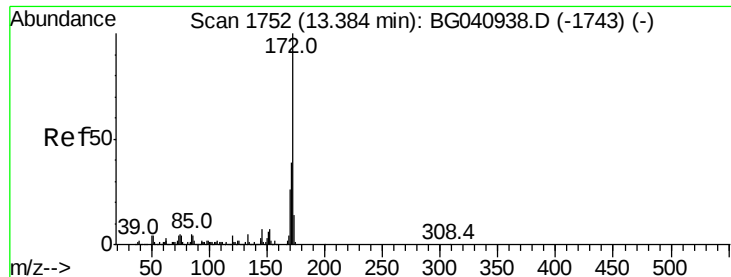
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#44
 2,4,5-Trichlorophenol
 Concen: 43.484 ng
 RT: 13.25 min Scan# 1729
 Delta R.T. 0.01 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	136869		
198	94.5	75.1	112.7	
97	44.6	35.6	53.4	
132	23.0	16.7	25.1	





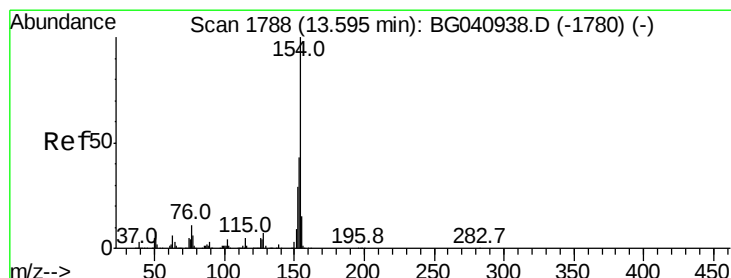
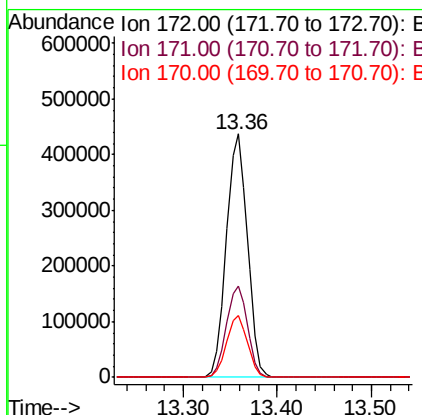
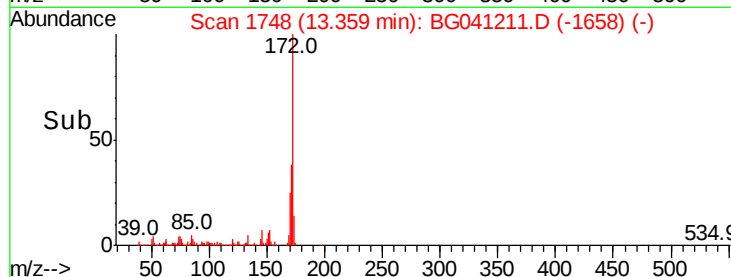
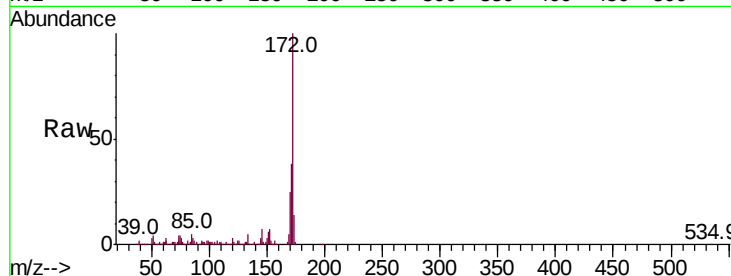
#45
2-Fluorobiphenyl
Concen: 85.735 ng
RT: 13.36 min Scan# 1748
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampled :
SOIL-01

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.7	31.1	46.7
170	25.4	20.5	30.7

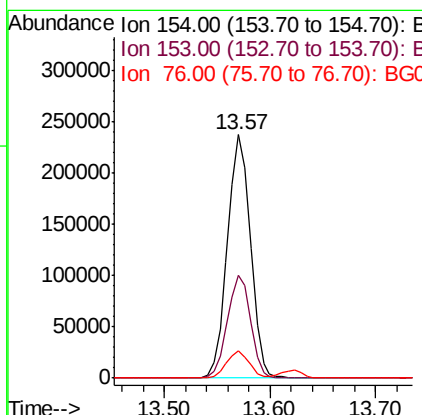
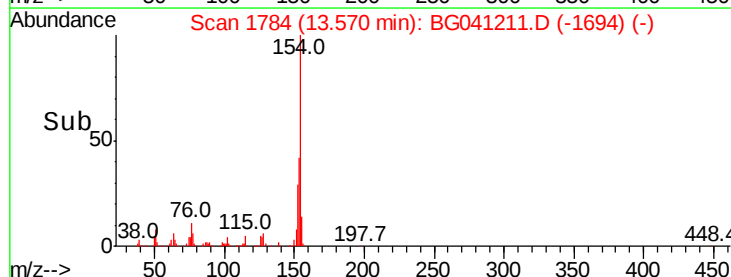
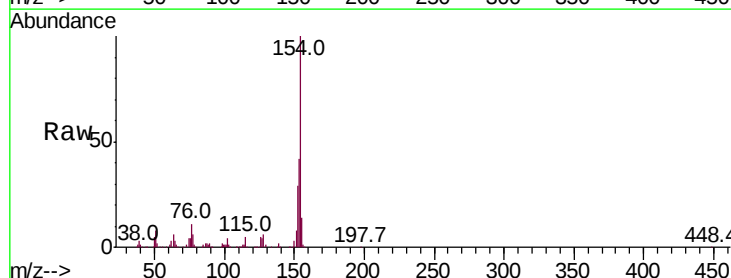
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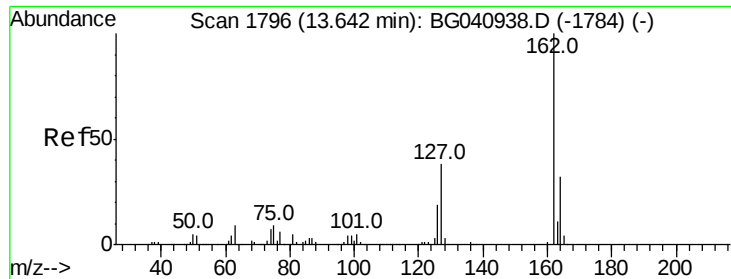
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#46
1,1'-Biphenyl
Concen: 42.214 ng
RT: 13.57 min Scan# 1784
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.1	23.3	63.3
76	11.0	0.0	31.1





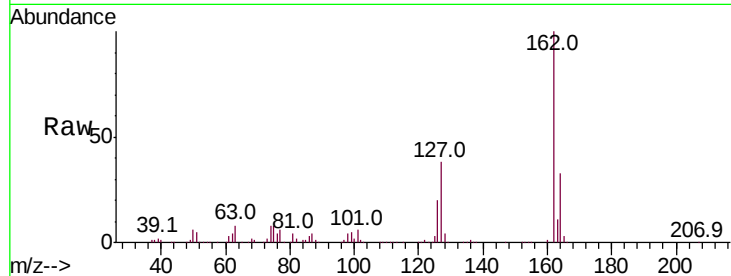
#47
2-Chloronaphthalene
Concen: 40.799 ng
RT: 13.62 min Scan# 1793
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampleId :
SOIL-01

Tot Ion	Ratio	Resp	Lower	Upper
162	100	296758		
127	37.9		30.5	45.7
164	33.1		25.8	38.6

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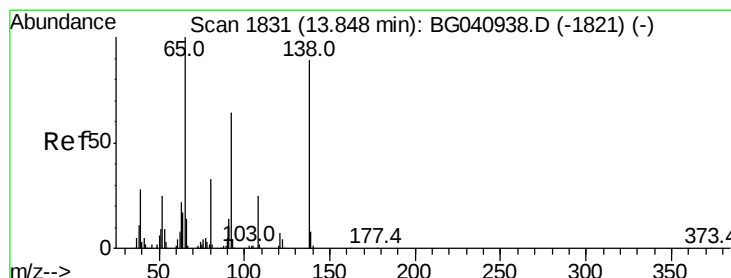
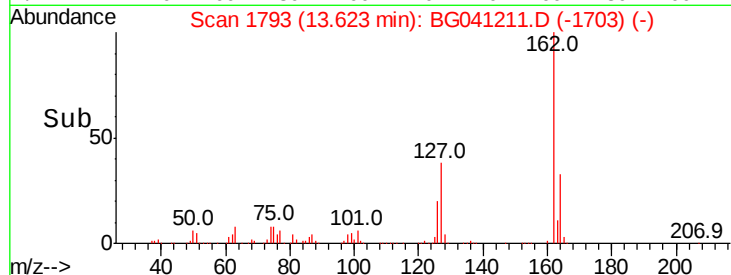
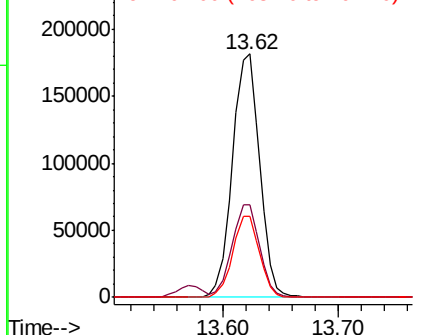


Abundance

Ion 162.00 (161.70 to 162.70): E

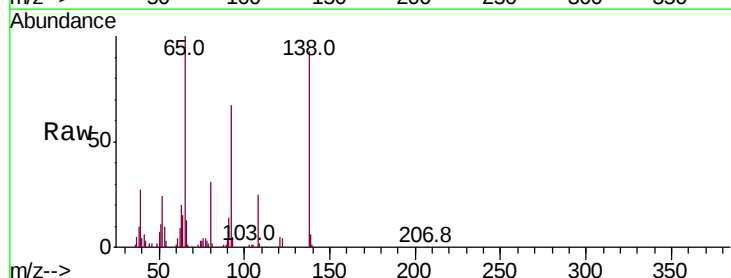
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 40.103 ng
RT: 13.83 min Scan# 1828
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	104645		
92	67.1		51.0	76.6
138	93.2		71.2	106.8

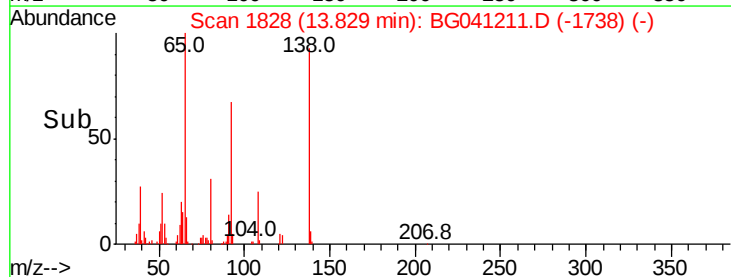
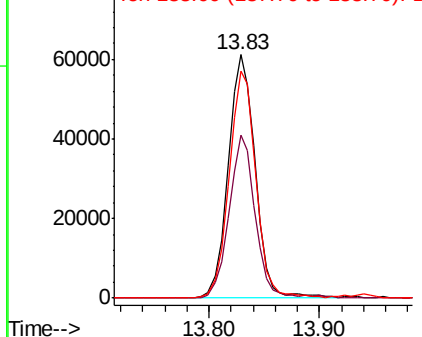


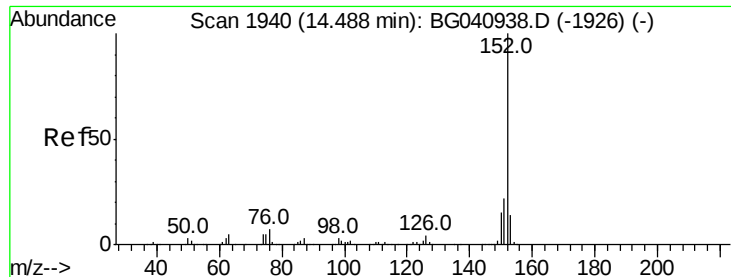
Abundance

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 42.831 ng

RT: 14.46 min Scan# 1936

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

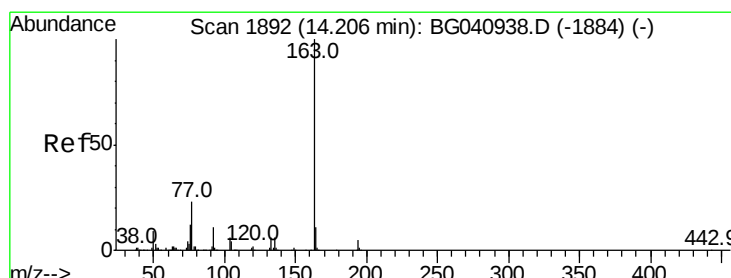
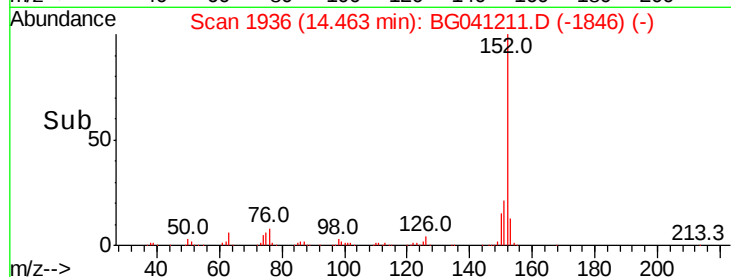
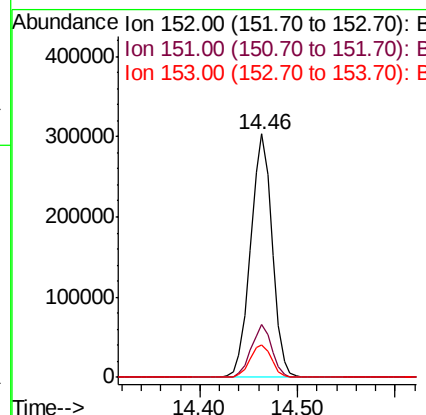
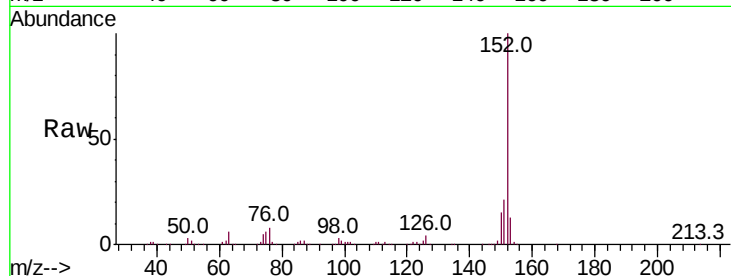
ClientSampleId :

SOIL-01

Tot Ion:	152	Resp:	468884
Ion Ratio	Lower	Upper	
152	100		
151	21.5	17.4	26.0
153	13.4	11.0	16.4

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#50

Dimethylphthalate

Concen: 40.064 ng

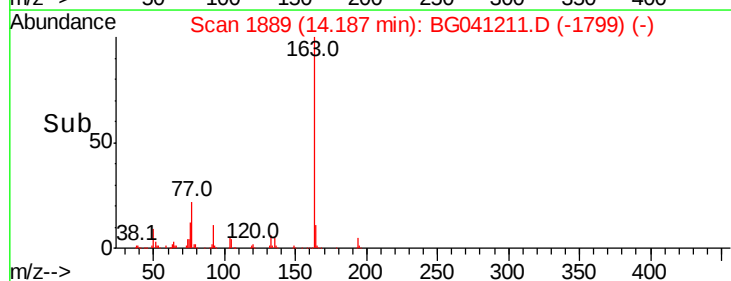
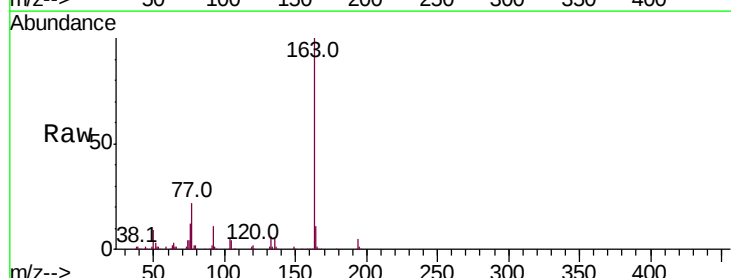
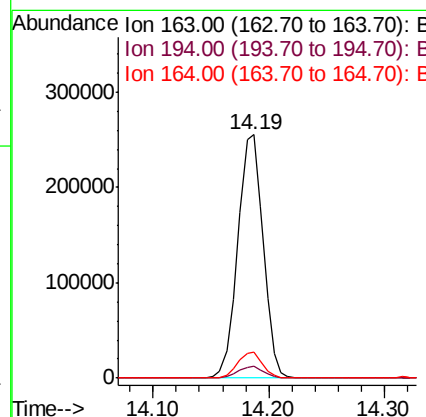
RT: 14.19 min Scan# 1889

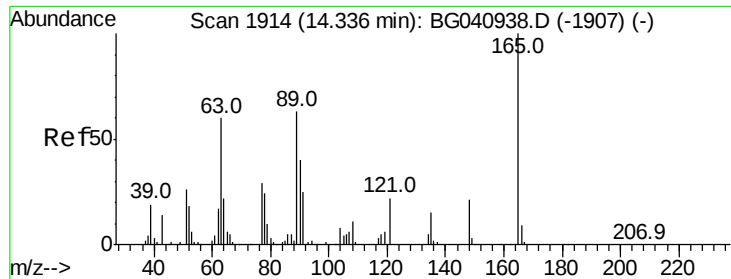
Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Tgt Ion:	163	Resp:	388191
Ion Ratio	Lower	Upper	
163	100		
194	5.1	3.8	5.8
164	10.6	8.7	13.1





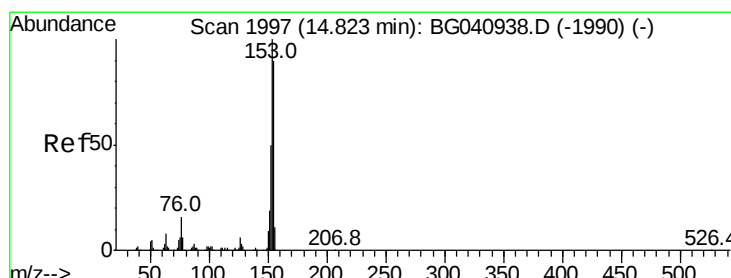
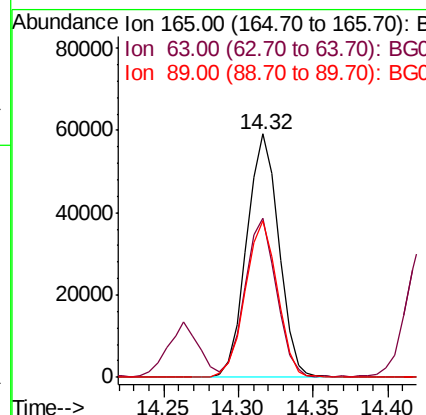
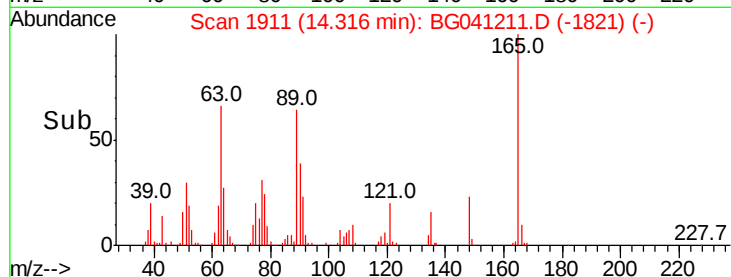
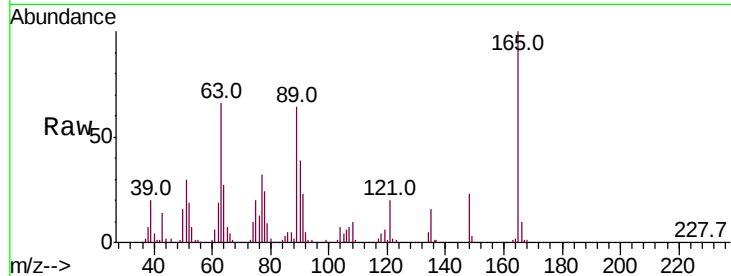
#51
2,6-Dinitrotoluene
Concen: 42.165 ng
RT: 14.32 min Scan# 1911
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampleId :
SOIL-01

Tot Ion	Ratio	Lower	Upper
165	100		
63	65.6	53.6	80.4
89	64.5	50.4	75.6

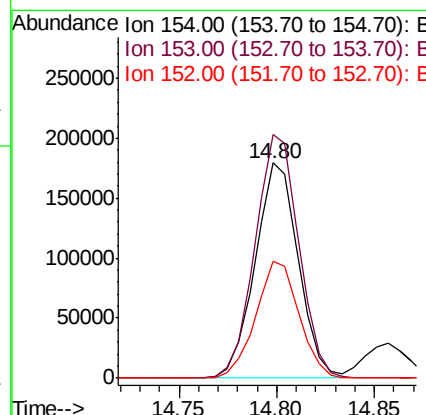
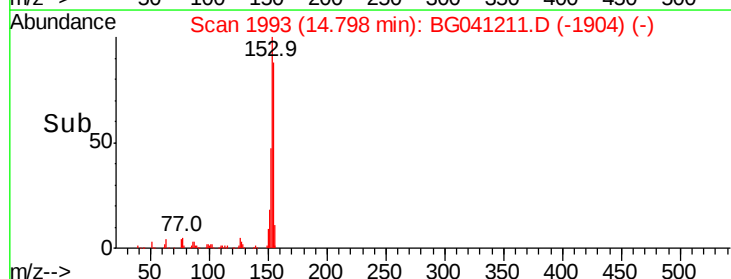
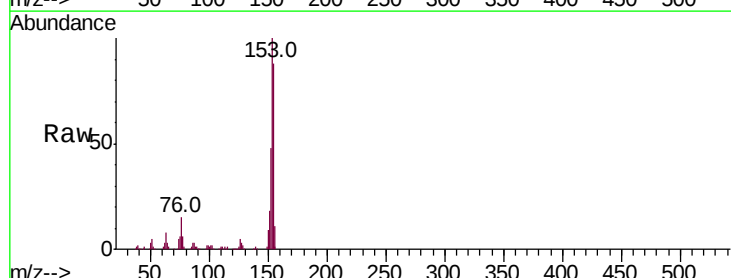
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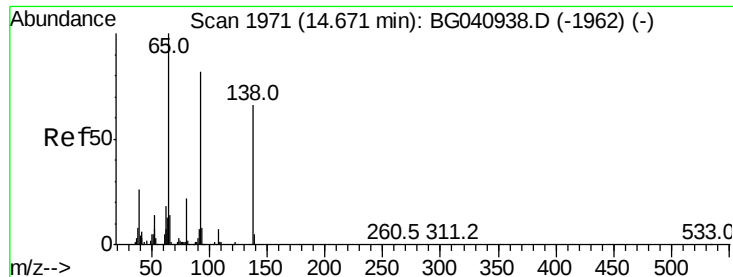
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#52
Acenaphthene
Concen: 41.414 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.3	88.6	133.0
152	54.2	44.2	66.4





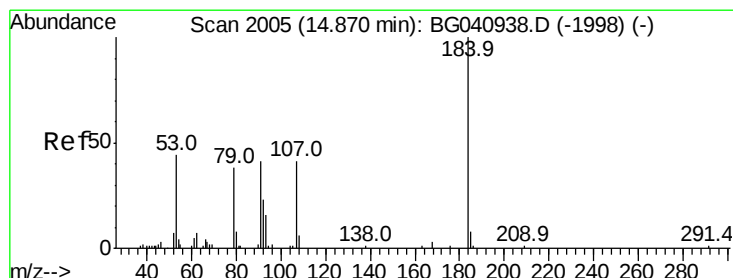
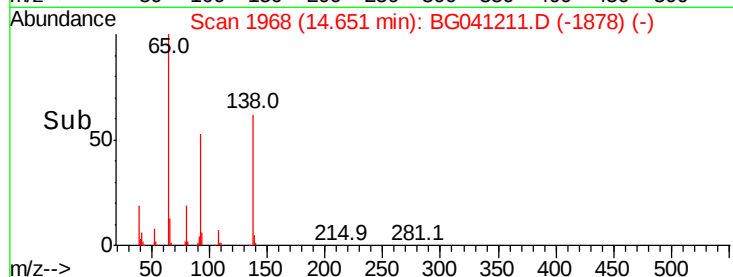
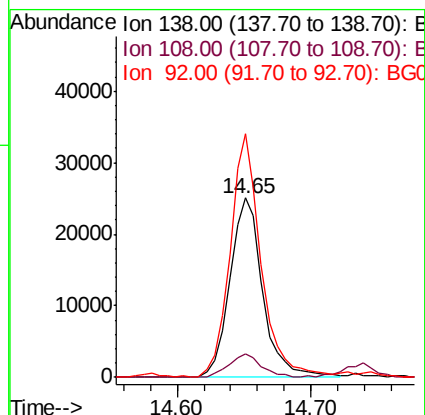
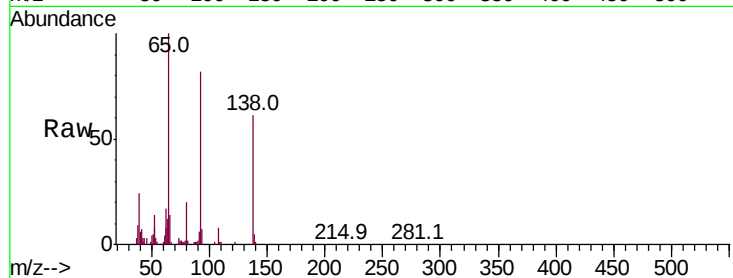
#53
3-Nitroaniline
Concen: 20.545 ng
RT: 14.65 min Scan# 1968
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampleId :
SOIL-01

Tot Ion	Ratio	Lower	Upper
138	100		
108	13.0	8.5	12.7#
92	135.7	99.0	148.6

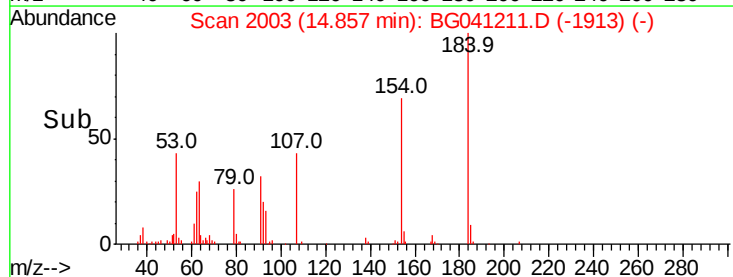
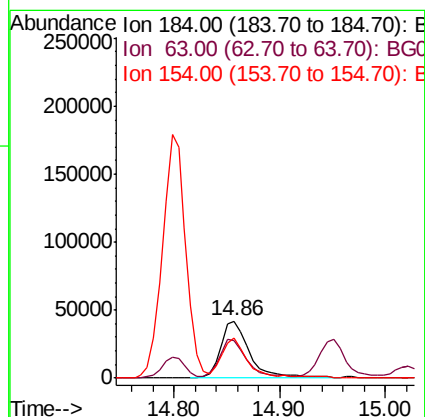
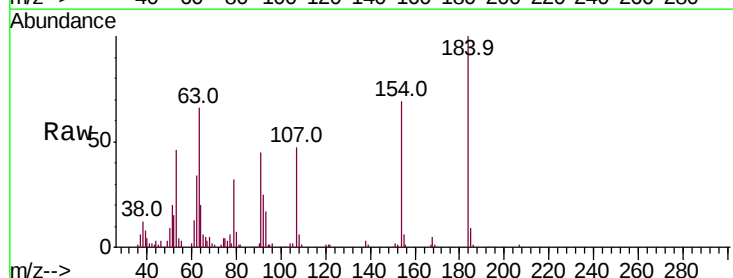
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#54
2,4-Dinitrophenol
Concen: 75.937 ng
RT: 14.86 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
184	100		
63	66.1	49.8	74.6
154	69.2	52.2	78.4





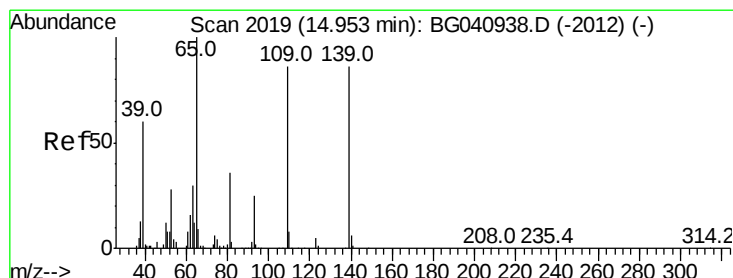
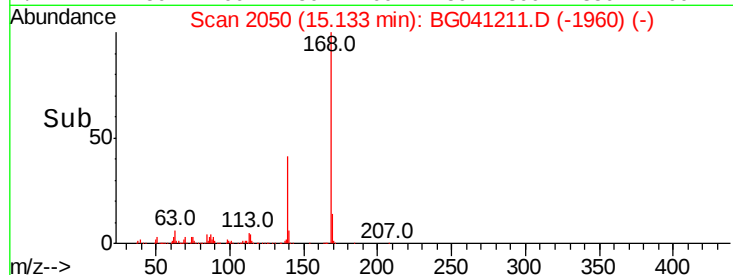
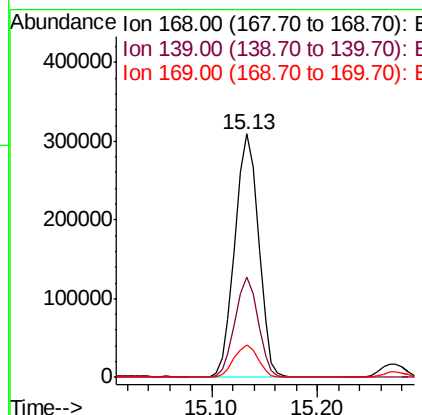
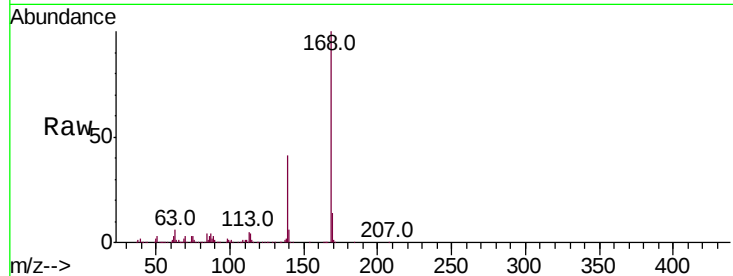
#55
Dibenzenofuran
Concen: 43.047 ng
RT: 15.13 min Scan# 2050
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampleId :
SOIL-01

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	41.3	32.8	49.2	
169	13.6	11.3	16.9	

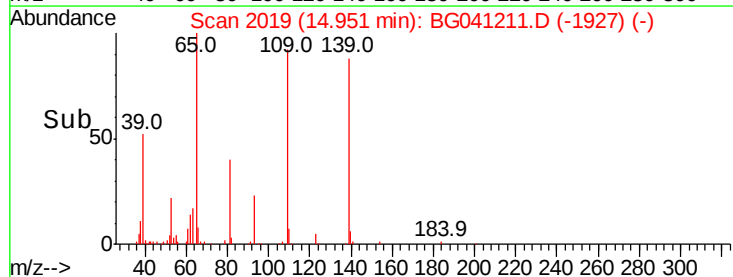
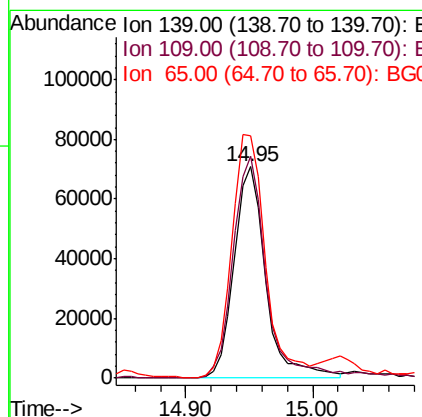
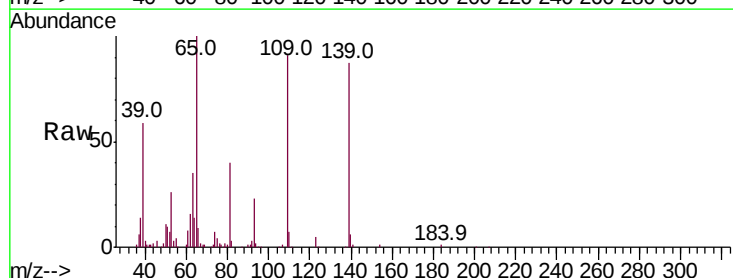
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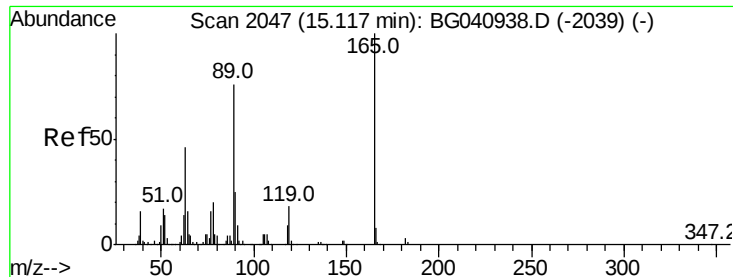
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#56
4-Nitrophenol
Concen: 85.525 ng
RT: 14.95 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	104.9	79.6	119.6	
65	114.8	96.9	136.9	





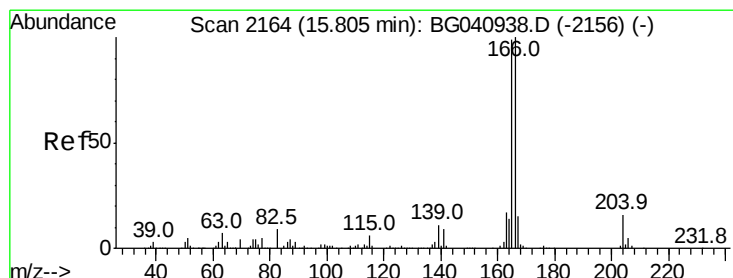
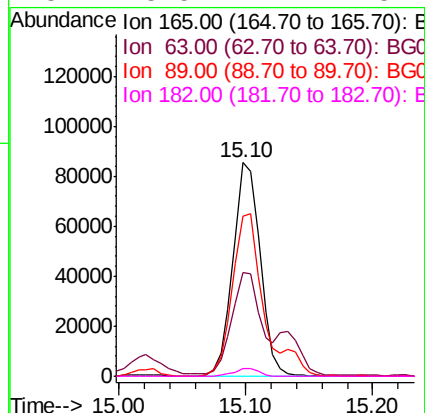
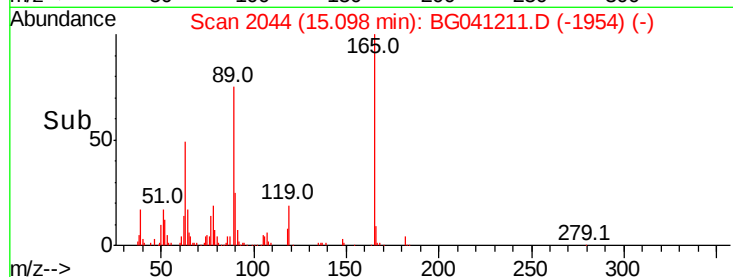
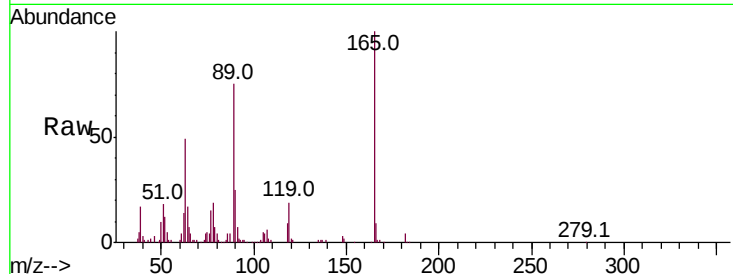
#57
2,4-Dinitrotoluene
Concen: 42.813 ng
RT: 15.10 min Scan# 2044
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampleId :
SOIL-01

Tot Ion	Ratio	Resp	Lower	Upper
165	100	126341		
63	48.5	37.3	55.9	
89	74.9	61.0	91.6	
182	3.5	2.2	3.2	

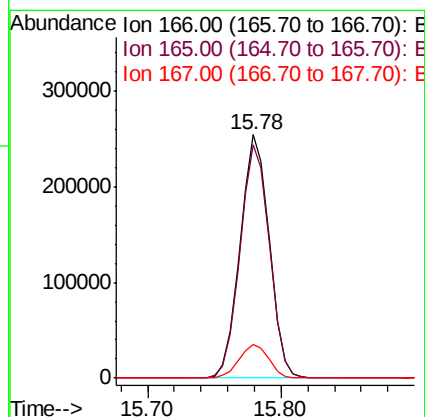
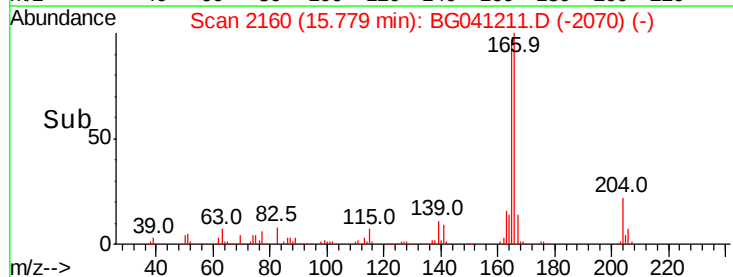
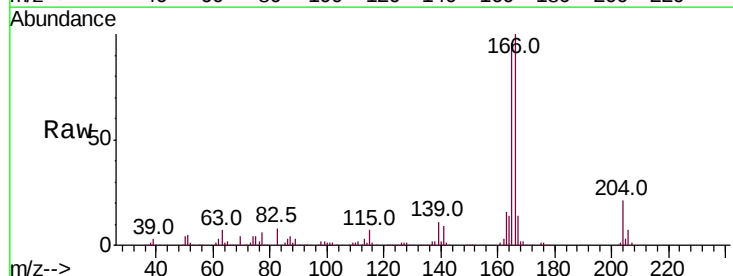
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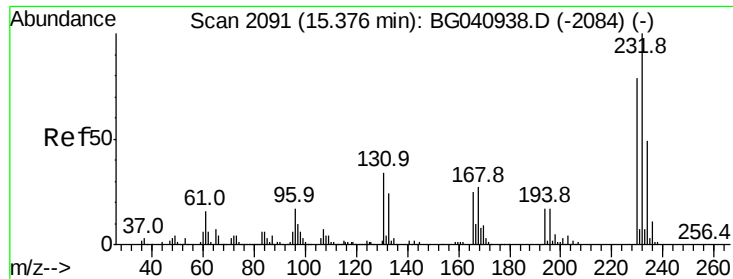
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#58
Fluorene
Concen: 43.088 ng
RT: 15.78 min Scan# 2160
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	382915		
165	95.8	79.2	118.8	
167	13.8	11.8	17.6	





#59

2,3,4,6-Tetrachlorophenol

Concen: 44.507 ng

RT: 15.35 min Scan# 2087

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

ClientSampled :

SOIL-01

Tot Ion:232 Resp: 137670

Ion Ratio Lower Upper

232 100

131 37.2 30.3 45.5

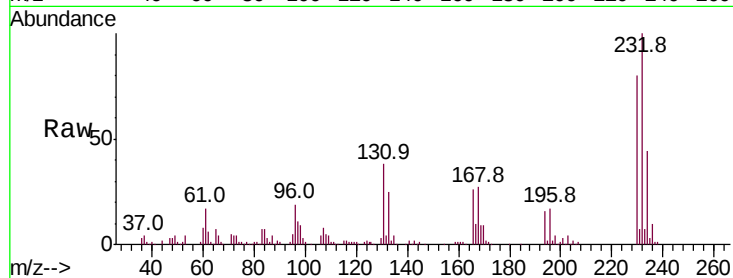
130 2.6 1.8 2.8

166 25.7 21.3 31.9

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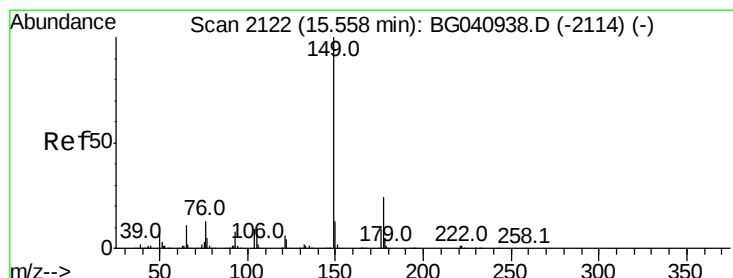
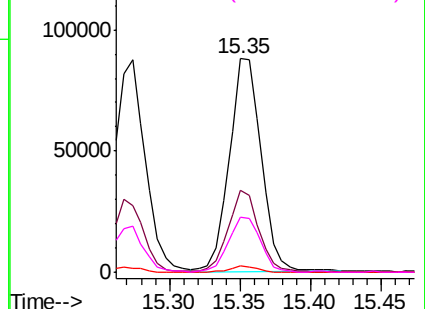
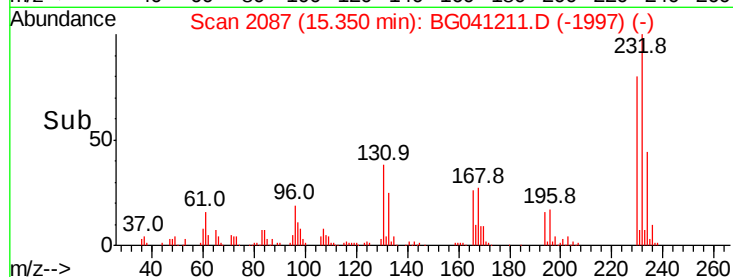


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 40.390 ng

RT: 15.53 min Scan# 2118

Delta R.T. -0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

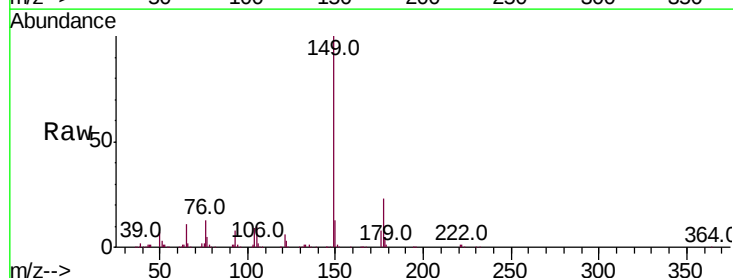
Tgt Ion:149 Resp: 399380

Ion Ratio Lower Upper

149 100

177 23.5 19.4 29.0

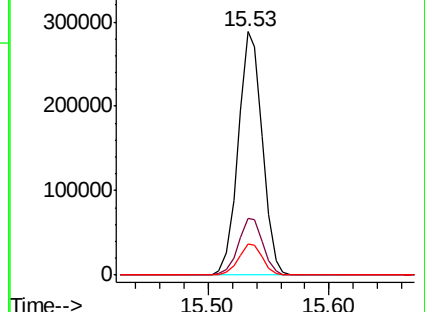
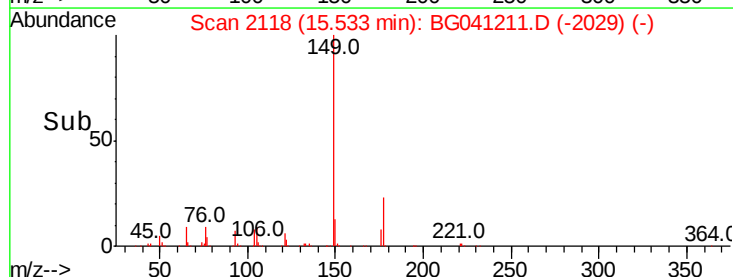
150 13.0 10.3 15.5

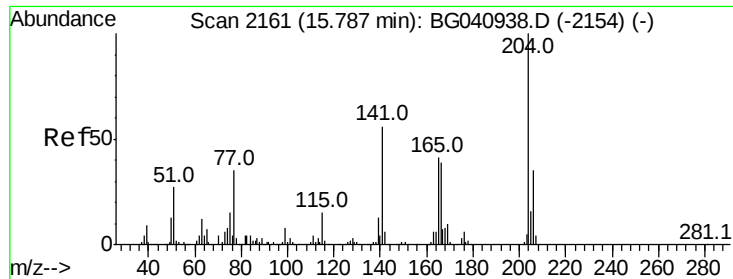


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





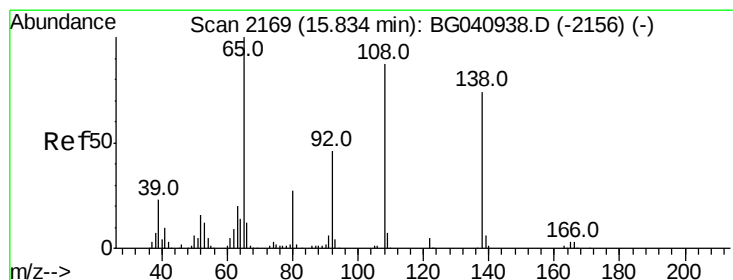
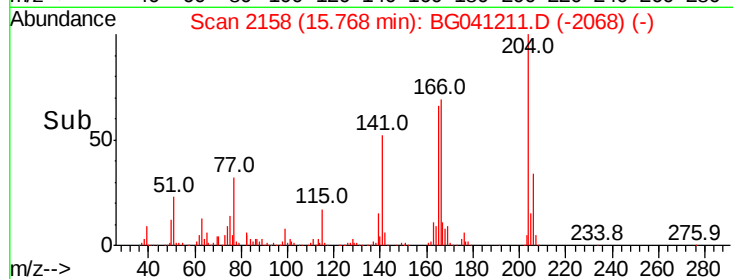
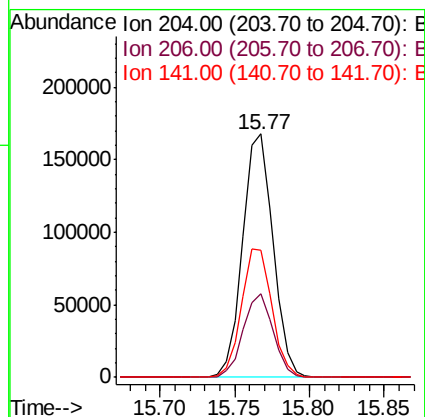
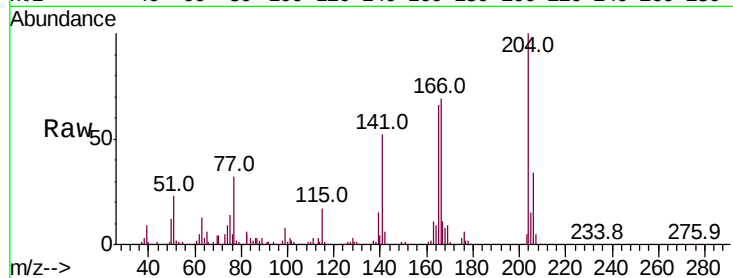
#61
4-Chlorophenyl-phenylether
Concen: 41.047 ng
RT: 15.77 min Scan# 2158
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampled :
SOIL-01

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.3	27.6	41.4
141	52.0	45.1	67.7

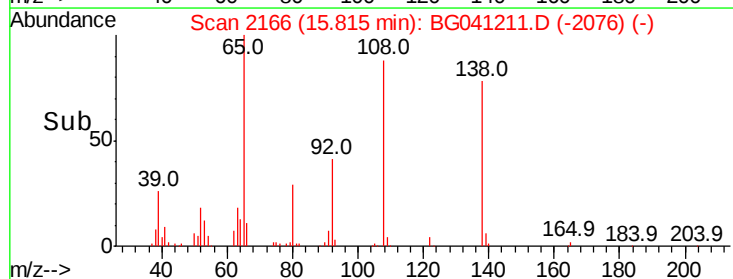
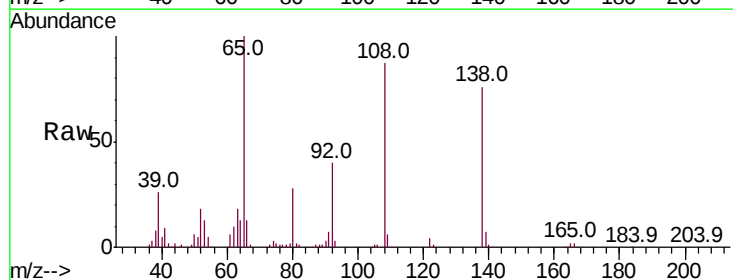
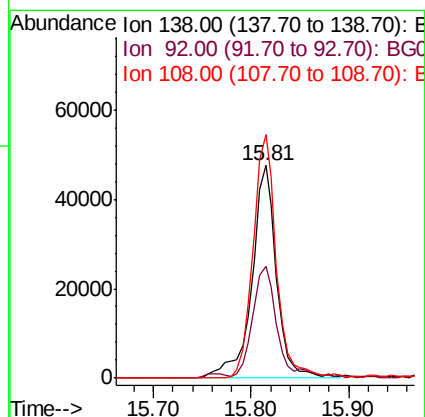
Manual Integrations
APPROVED

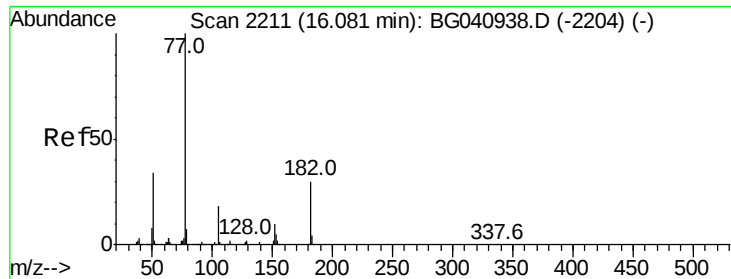
mohammad
6/14/2019 8:36:51 AM



#62
4-Nitroaniline
Concen: 38.280 ng
RT: 15.81 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
138	100		
92	52.7	42.4	82.4
108	114.6	96.9	136.9





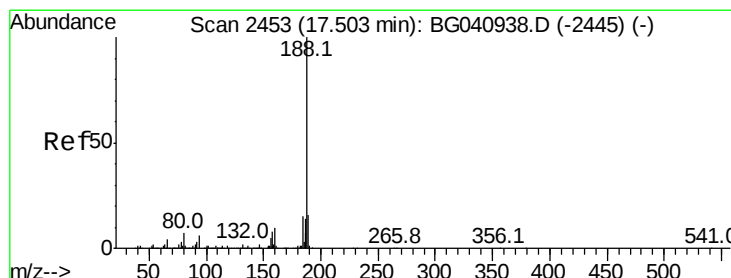
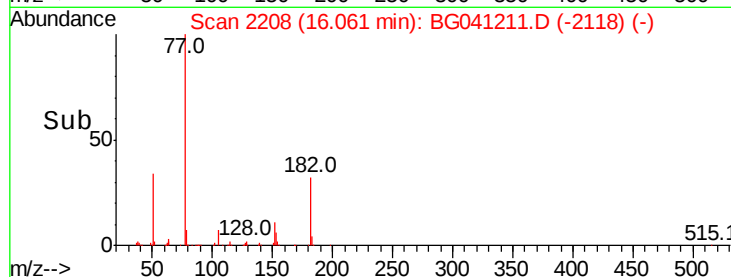
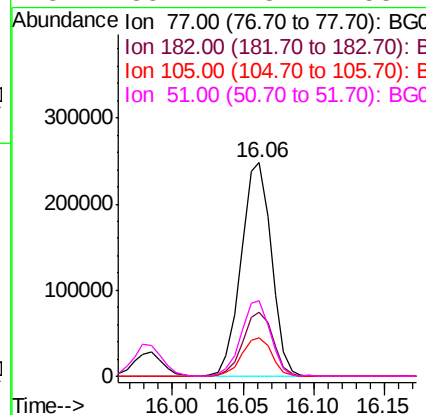
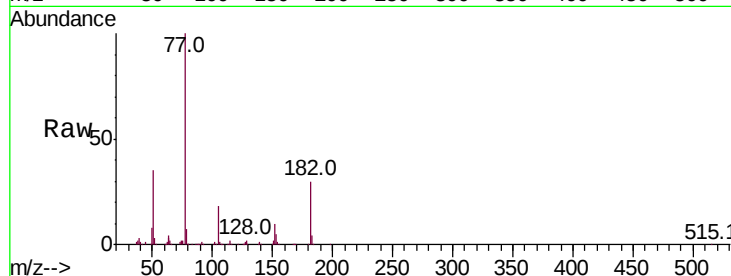
#63
Azobenzene
Concen: 41.343 ng
RT: 16.06 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampleId :
SOIL-01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	30.1	9.6	49.6		
105	17.9	0.0	37.5		
51	35.2	13.7	53.7		

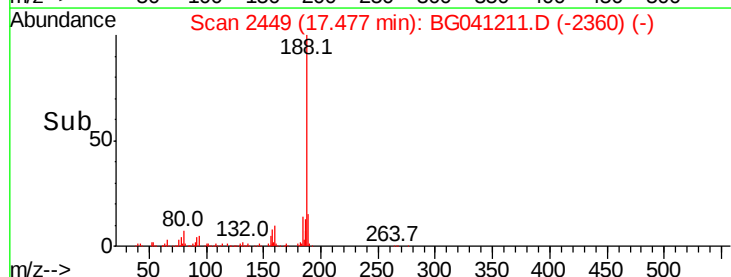
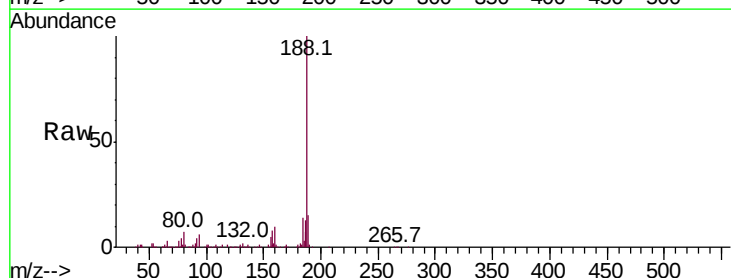
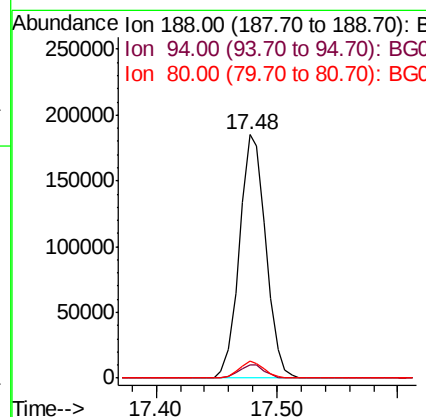
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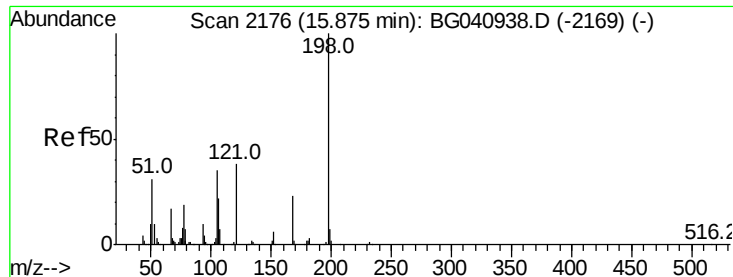
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2449
Delta R.T. -0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	5.6	4.7	7.1		
80	6.9	5.8	8.8		





#65

4,6-Dinitro-2-methylphenol

Concen: 46.098 ng

RT: 15.86 min Scan# 2174

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

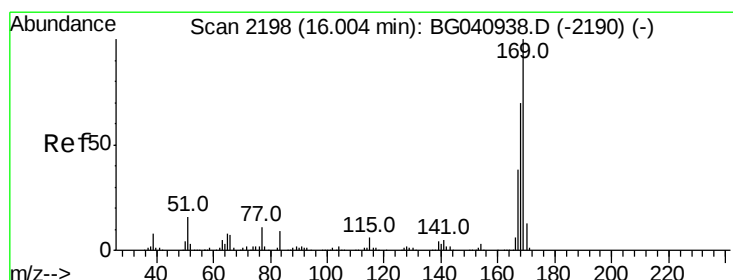
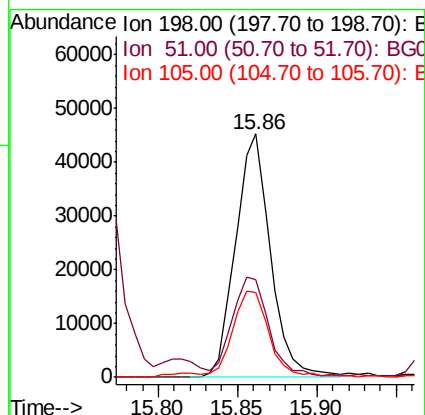
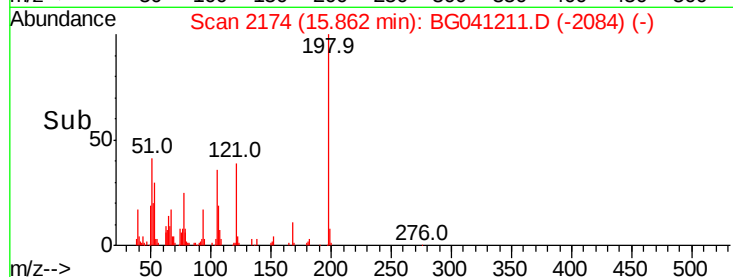
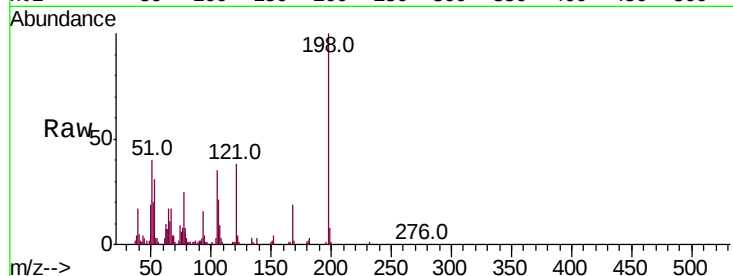
ClientSampled :

SOIL-01

Tot Ion:198	Resp:	69112
Ion Ratio	Lower	Upper
198 100		
51 40.0	21.6	61.6
105 35.0	17.5	57.5

Manual Integrations
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#66

n-Nitrosodiphenylamine

Concen: 43.230 ng

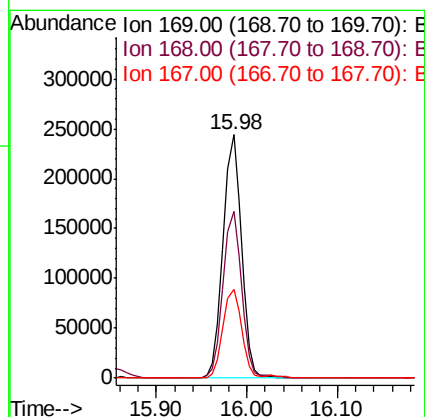
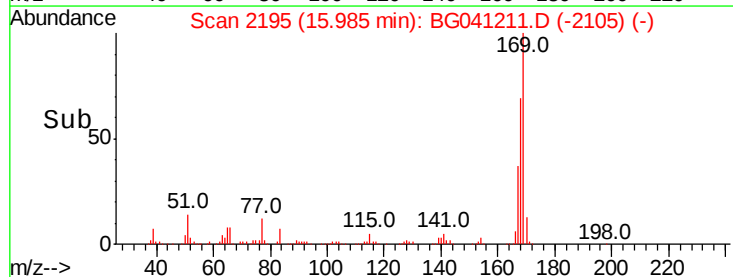
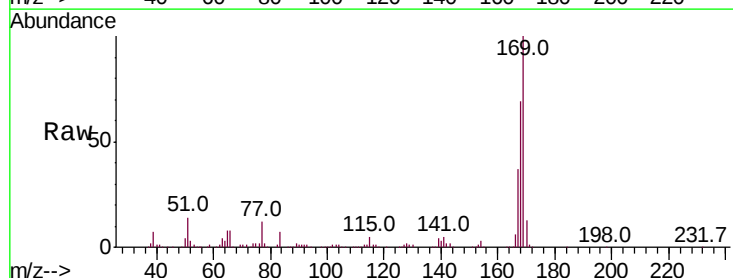
RT: 15.98 min Scan# 2195

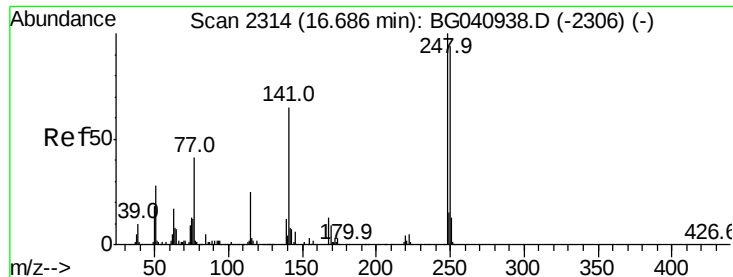
Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Tgt Ion:169	Resp:	343088
Ion Ratio	Lower	Upper
169 100		
168 68.7	55.7	83.5
167 36.5	30.2	45.2





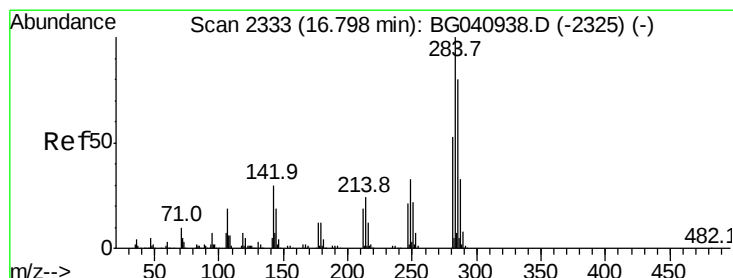
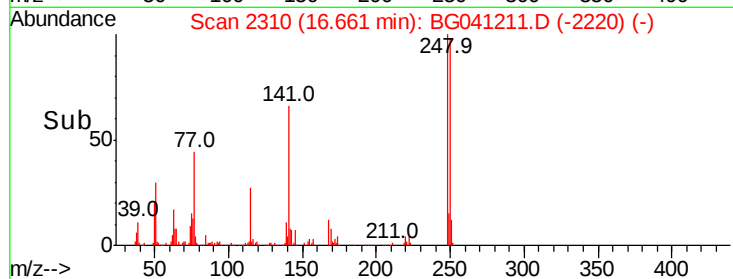
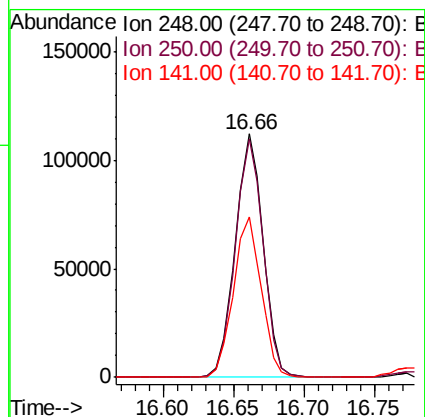
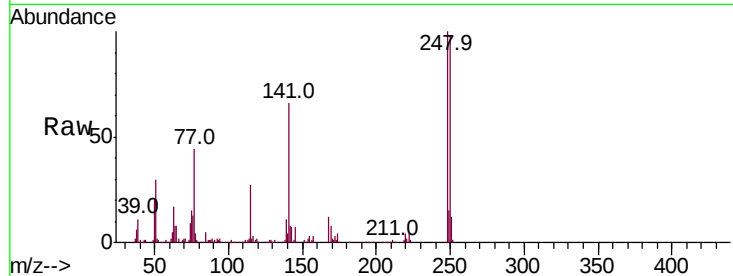
#67
4-Bromophenyl-phenylether
Concen: 40.596 ng
RT: 16.66 min Scan# 2310
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampled :
SOIL-01

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.7	75.0	112.4
141	65.9	52.4	78.6

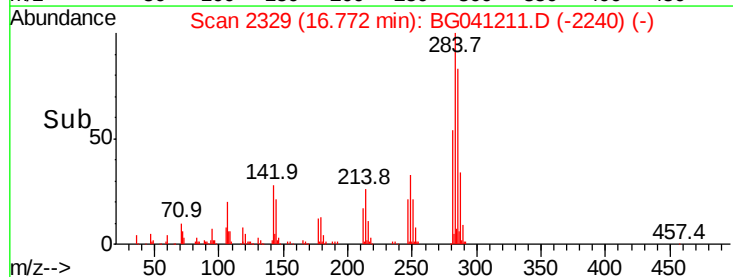
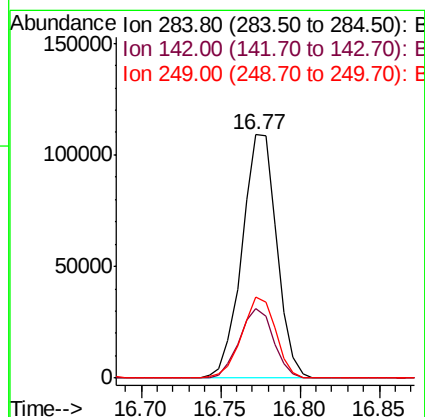
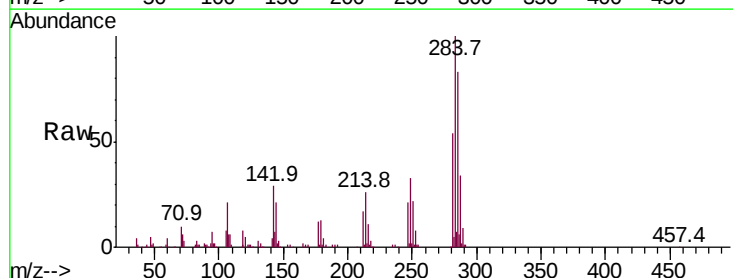
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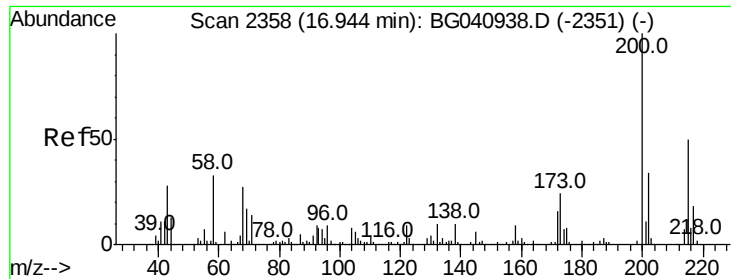
mohammad
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#68
Hexachlorobenzene
Concen: 40.825 ng
RT: 16.77 min Scan# 2329
Delta R.T. -0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.6	23.9	35.9
249	33.1	26.8	40.2





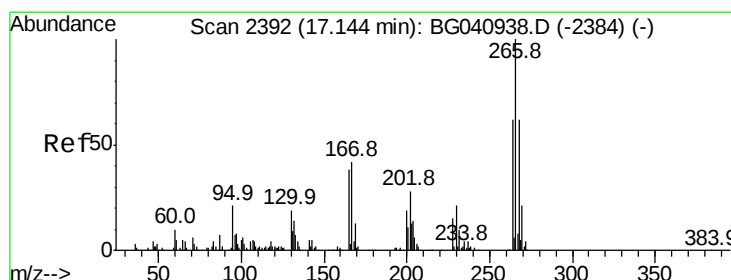
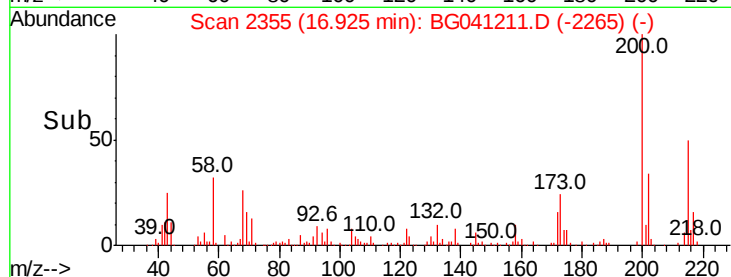
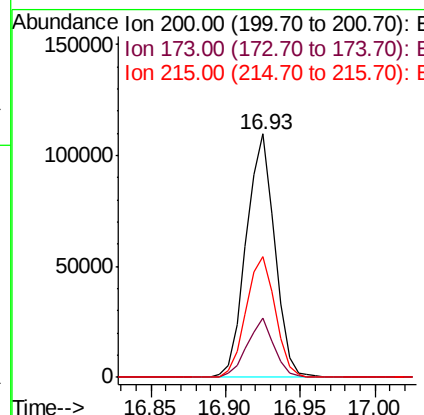
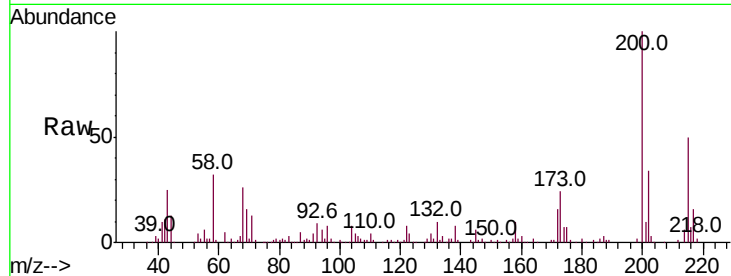
#69
Atrazine
Concen: 47.382 ng
RT: 16.93 min Scan# 2355
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampled :
SOIL-01

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	24.3	3.6	43.6
215	49.8	29.6	69.6

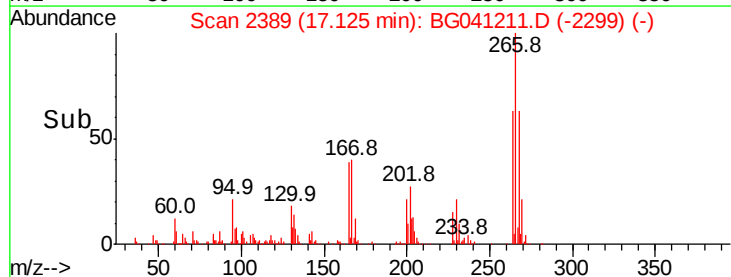
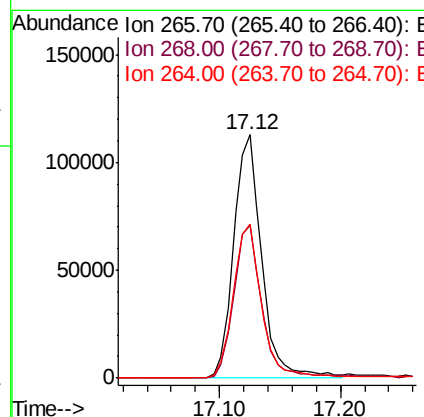
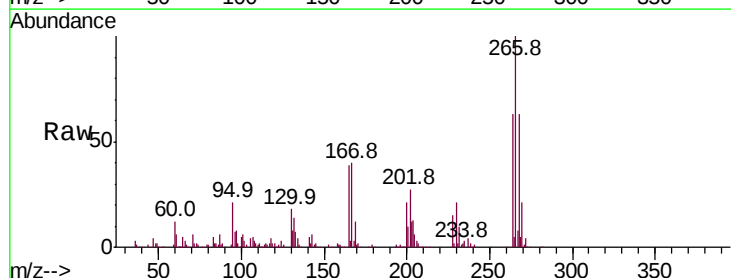
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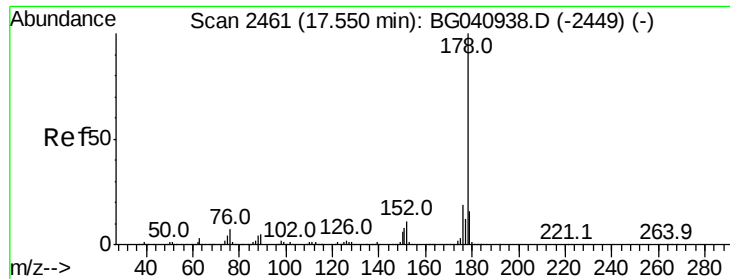
mohammad
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#70
Pentachlorophenol
Concen: 83.765 ng
RT: 17.12 min Scan# 2389
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	62.9	53.1	79.7
264	63.2	49.9	74.9





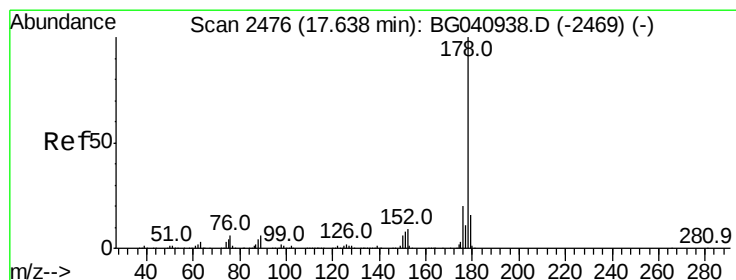
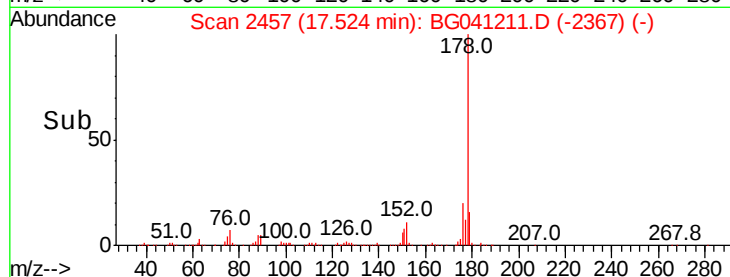
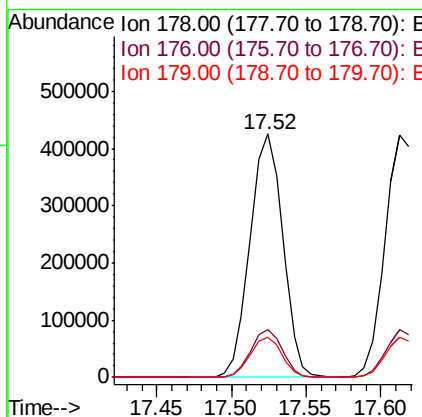
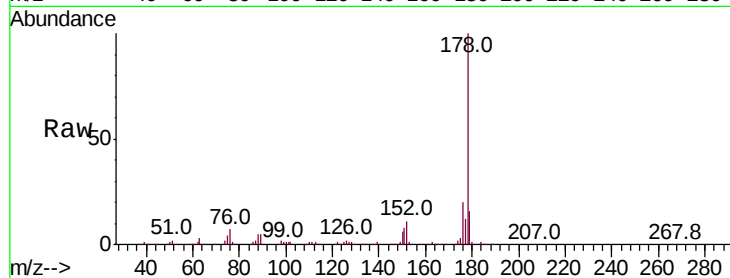
#71
Phenanthrene
Concen: 43.978 ng
RT: 17.52 min Scan# 2457
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampled :
SOIL-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.5	23.3
179	16.3	12.7	19.1

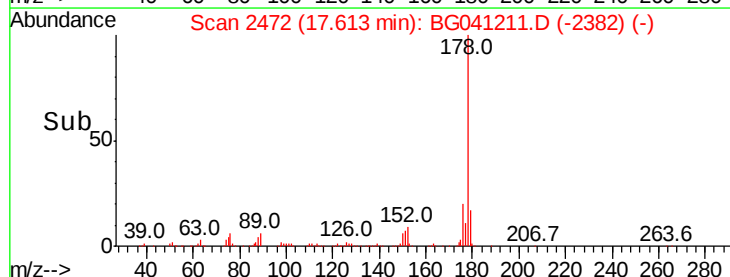
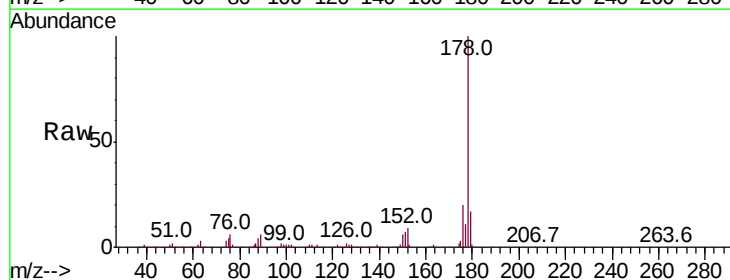
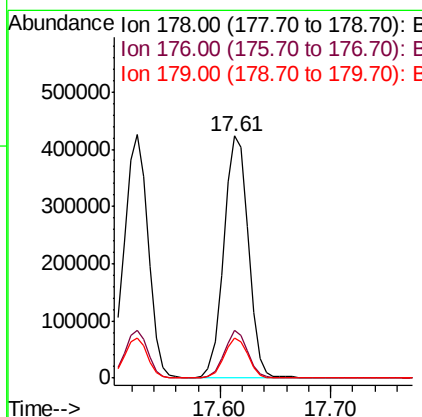
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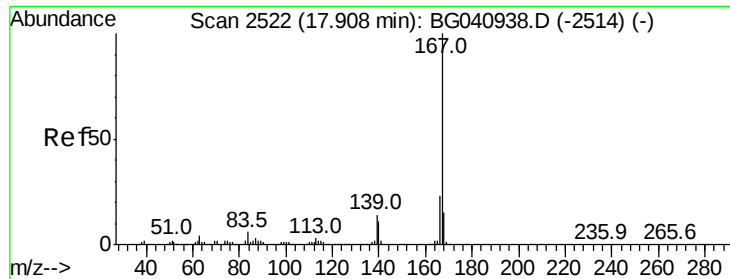
mohammad
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#72
Anthracene
Concen: 45.383 ng
RT: 17.61 min Scan# 2472
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.6	23.4
179	16.5	13.0	19.4





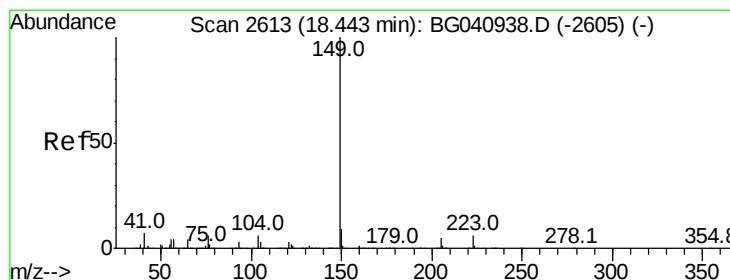
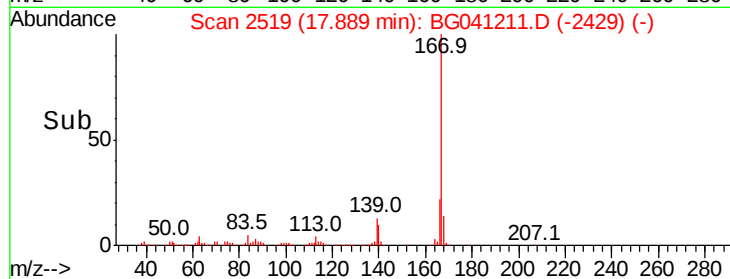
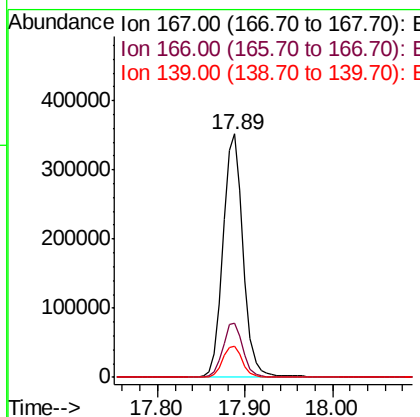
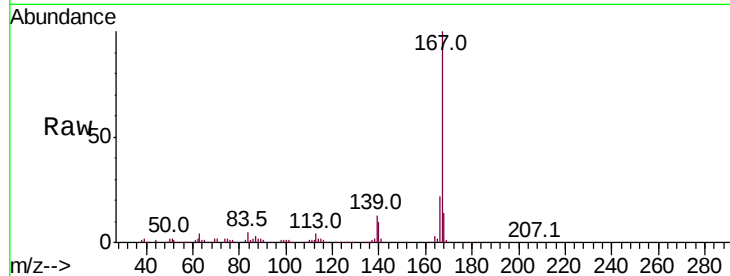
#73
 Carbazole
 Concen: 44.926 ng
 RT: 17.89 min Scan# 2519
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-01

Tot Ion	Ratio	Resp	Lower	Upper
167	100			
166	22.2	18.2	27.4	
139	13.0	10.8	16.2	

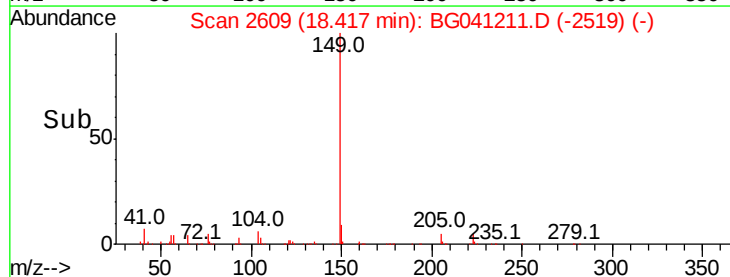
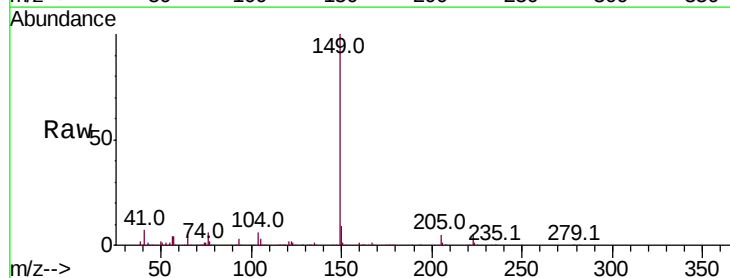
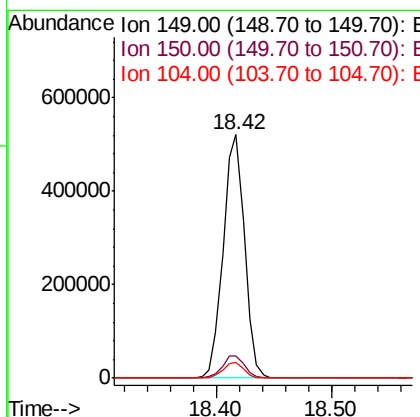
Manual Integrations
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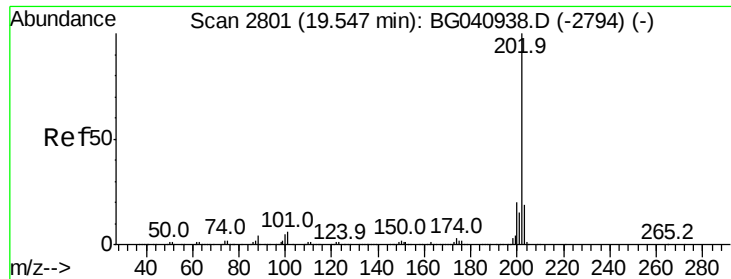
mohammad
 6/14/2019 8:36:51 AM



#74
 Di-n-butylphthalate
 Concen: 42.976 ng
 RT: 18.42 min Scan# 2609
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
150	9.3	7.4	11.2	
104	6.4	5.0	7.4	





#75

Fluoranthene

Concen: 46.140 ng

RT: 19.53 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

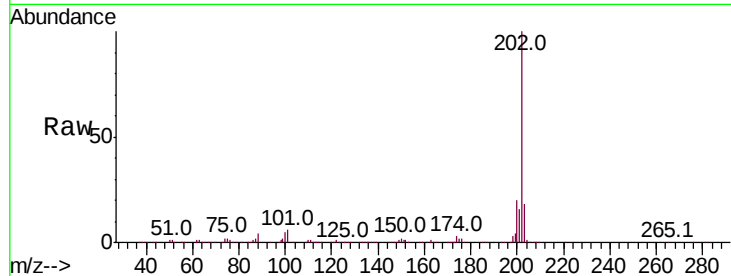
ClientSampleId :

SOIL-01

Tot Ion:	202	Resp:	838087
Ion Ratio	Lower	Upper	
202	100		
101	5.9	0.0	26.2
203	18.5	0.0	38.7

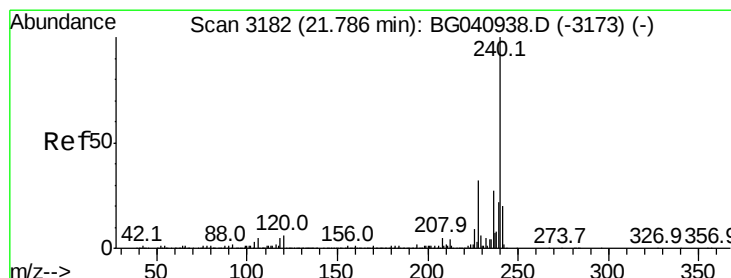
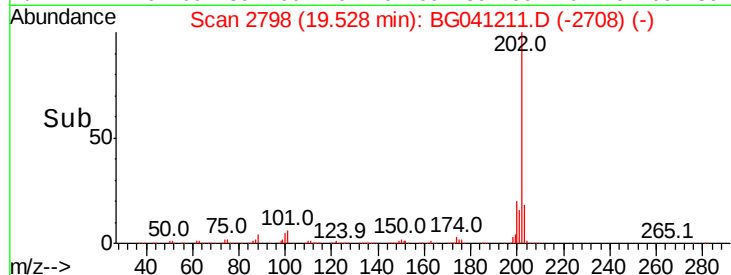
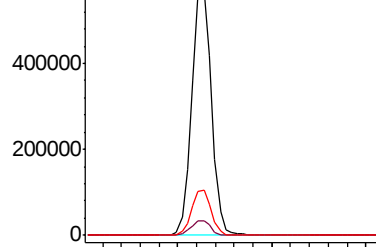
Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

19.53



#76

Chrysene-d12

Concen: 20.000 ng

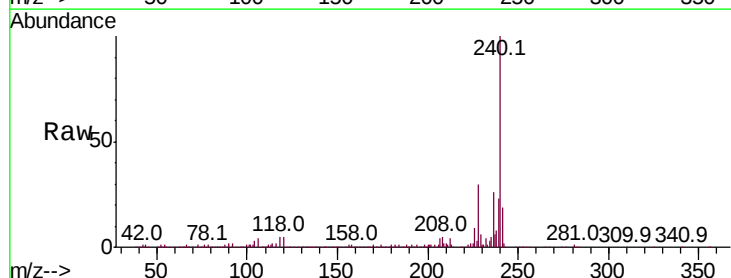
RT: 21.76 min Scan# 3178

Delta R.T. 0.00 min

Lab File: BG041211.D

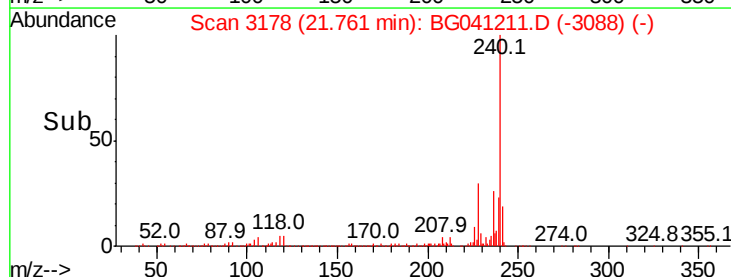
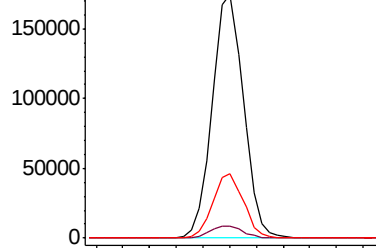
Acq: 12 Jun 2019 18:12

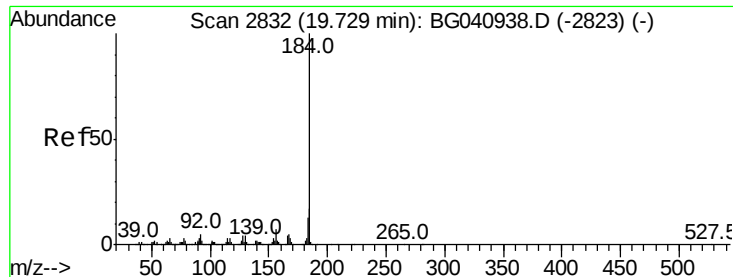
Tgt Ion:	240	Resp:	283188
Ion Ratio	Lower	Upper	
240	100		
120	5.1	4.5	6.7
236	26.4	21.3	31.9



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

21.76





#77

Benzidine

Concen: 21.472 ng

RT: 19.71 min Scan# 2829

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

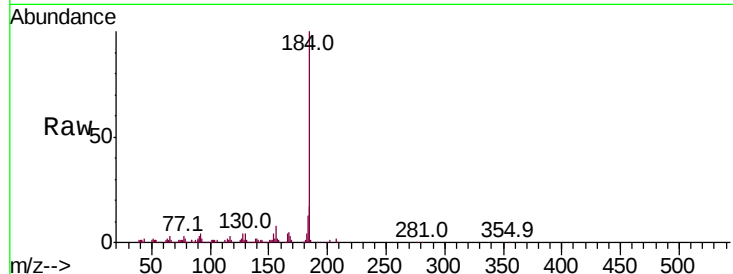
ClientSampled :

SOIL-01

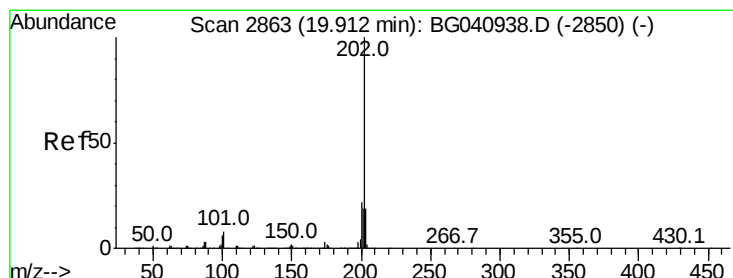
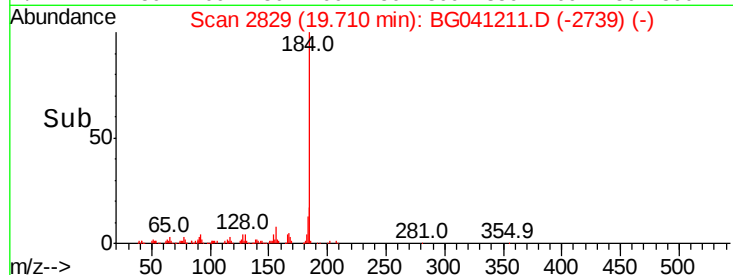
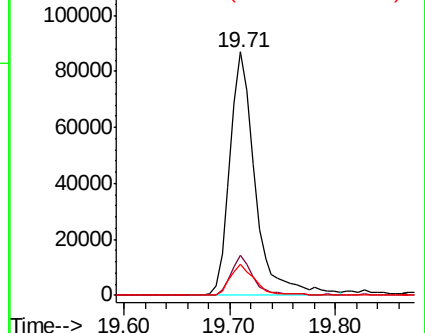
Tot Ion:	184	Resp:	145056
Ion Ratio	Lower	Upper	
184	100		
185	16.6	13.3	19.9
183	12.8	10.7	16.1

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 45.295 ng

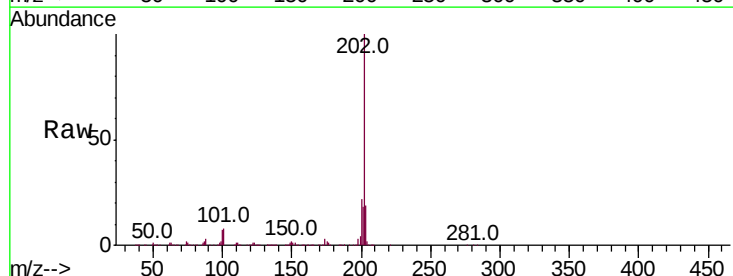
RT: 19.89 min Scan# 2859

Delta R.T. -0.00 min

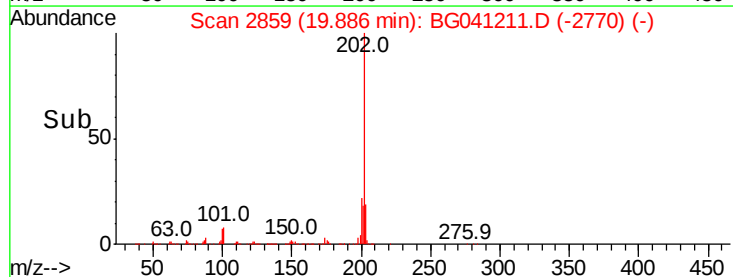
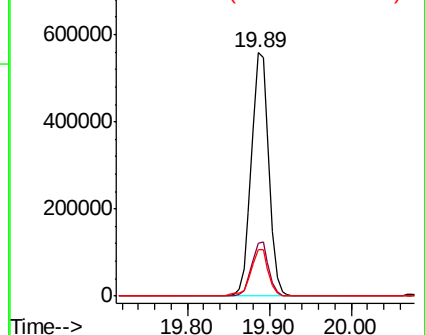
Lab File: BG041211.D

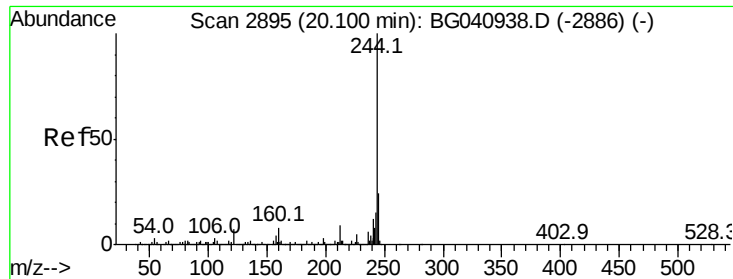
Acq: 12 Jun 2019 18:12

Tgt Ion:	202	Resp:	833837
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.5	26.3
203	18.9	15.6	23.4



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: 91.420 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

ClientSampleId :

SOIL-01

Tot Ion:244 Resp: 1219831

Ion Ratio Lower Upper

244 100

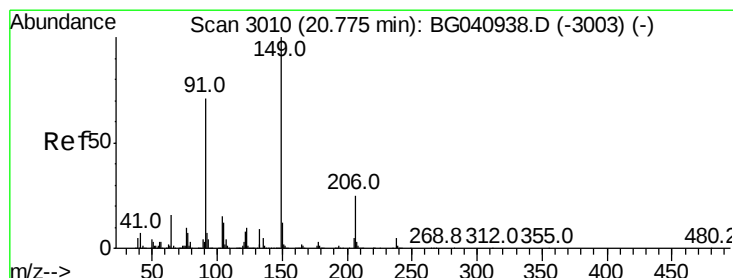
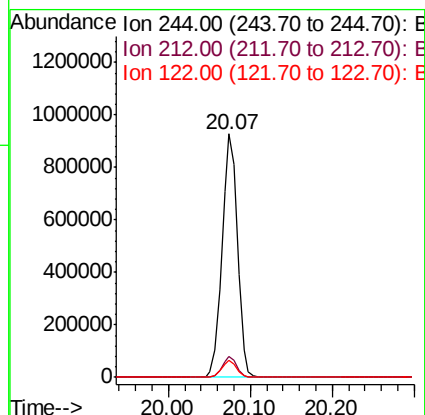
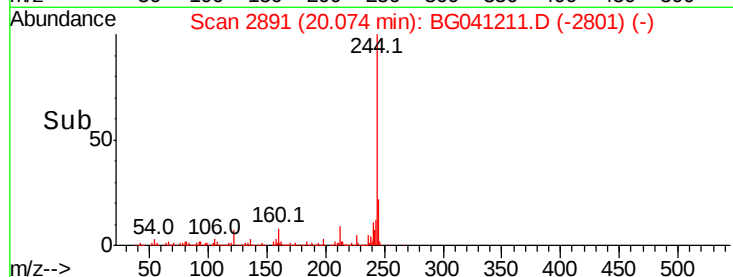
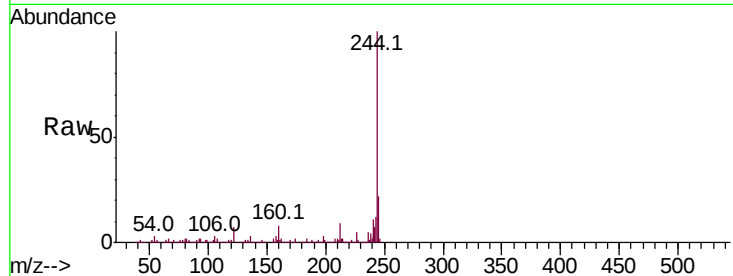
212 8.6 7.0 10.4

122 7.0 5.4 8.0

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#80

Butylbenzylphthalate

Concen: 43.081 ng

RT: 20.75 min Scan# 3006

Delta R.T. -0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

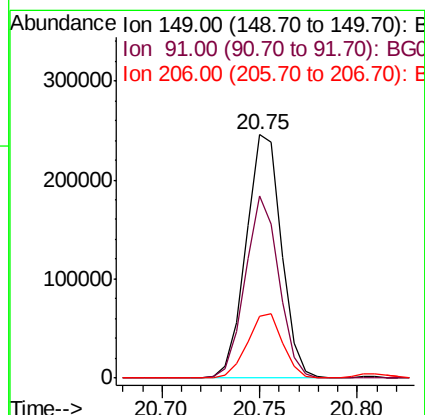
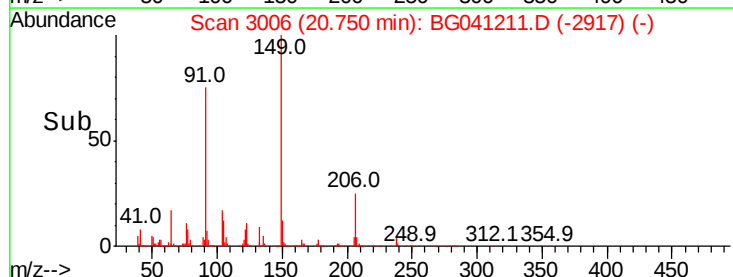
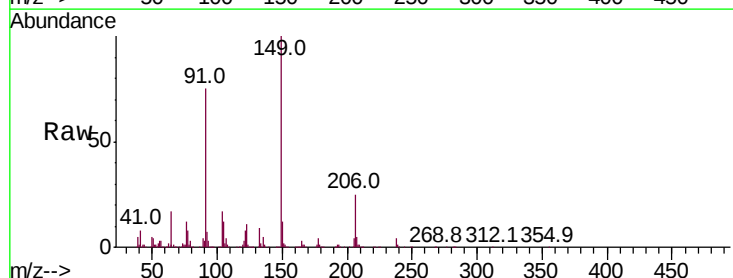
Tgt Ion:149 Resp: 308633

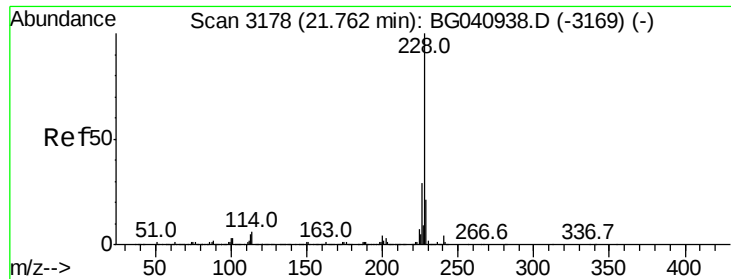
Ion Ratio Lower Upper

149 100

91 74.9 56.5 84.7

206 25.4 20.3 30.5





#81

Benzo(a)anthracene

Concen: 42.786 ng

RT: 21.74 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

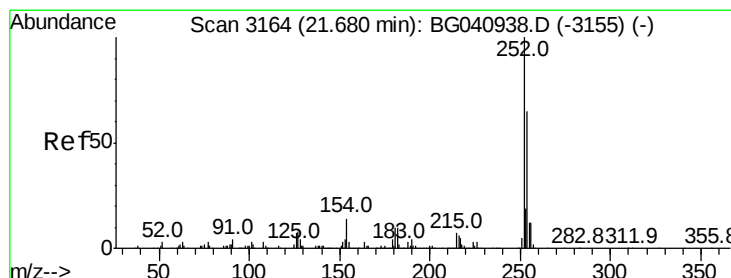
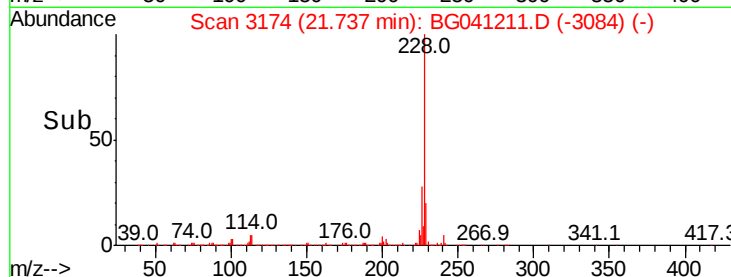
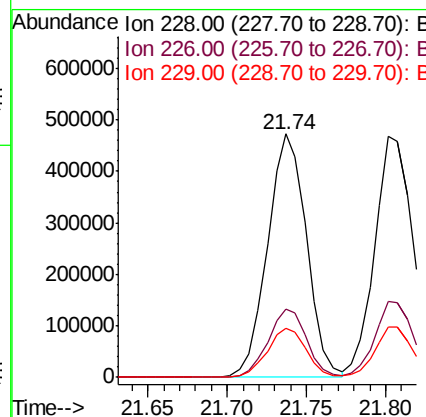
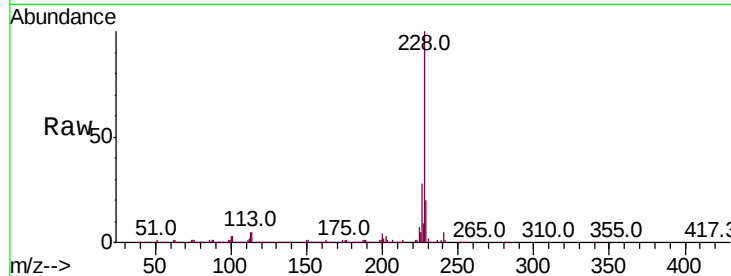
ClientSampleId :

SOIL-01

Tot Ion:	228	Resp:	806544
Ion Ratio	Lower	Upper	
228	100		
226	28.0	23.5	35.3
229	19.9	16.7	25.1

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#82

3,3'-Dichlorobenzidine

Concen: 20.629 ng

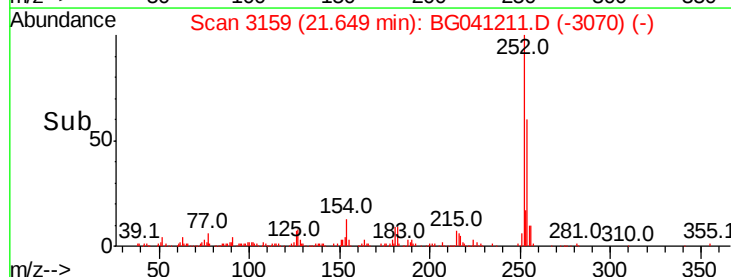
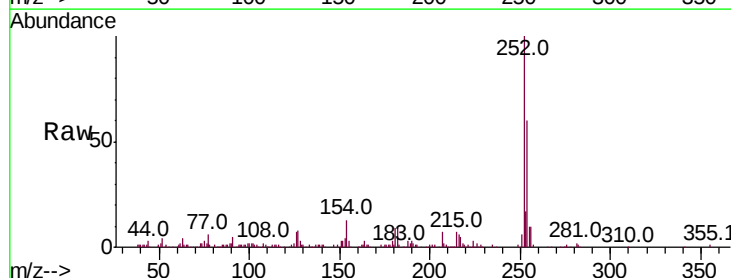
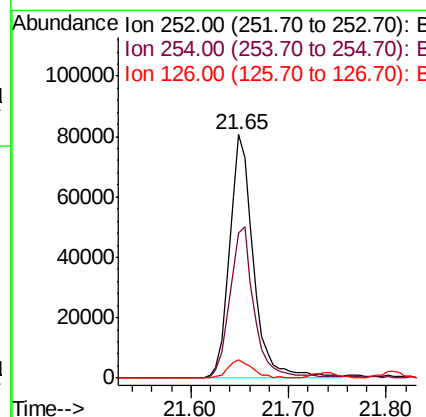
RT: 21.65 min Scan# 3159

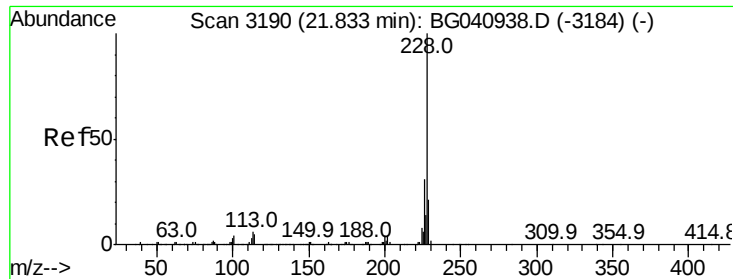
Delta R.T. -0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Tgt Ion:	252	Resp:	136776
Ion Ratio	Lower	Upper	
252	100		
254	59.8	52.1	78.1
126	7.3	5.5	8.3





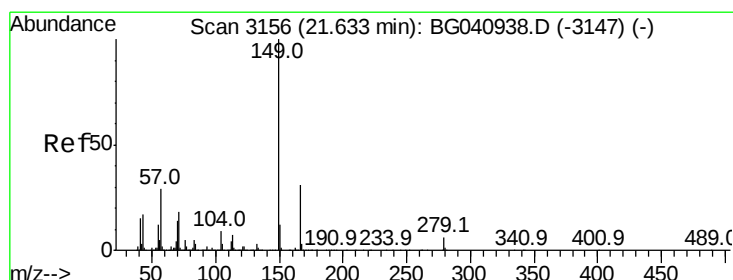
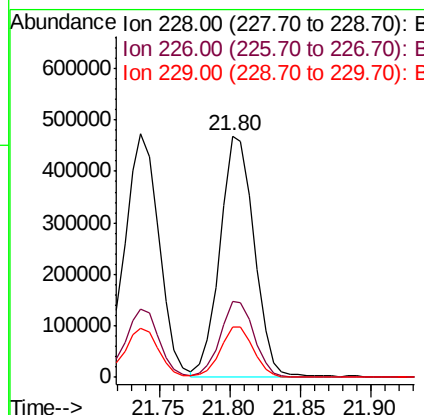
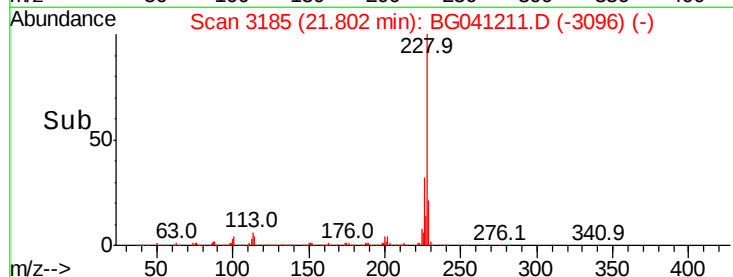
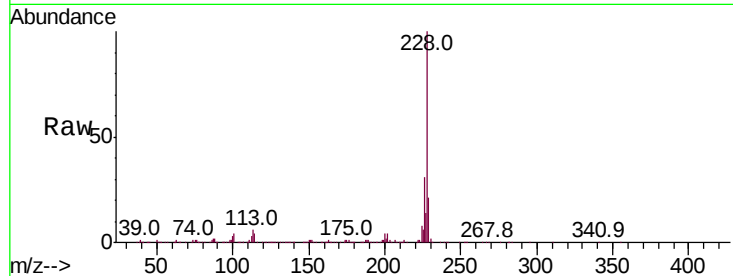
#83
Chrysene
Concen: 43.503 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampleId :
SOIL-01

Tot Ion:	228	Resp:	784762
Ion Ratio	Lower	Upper	
228	100		
226	31.5	24.6	37.0
229	21.1	16.6	24.8

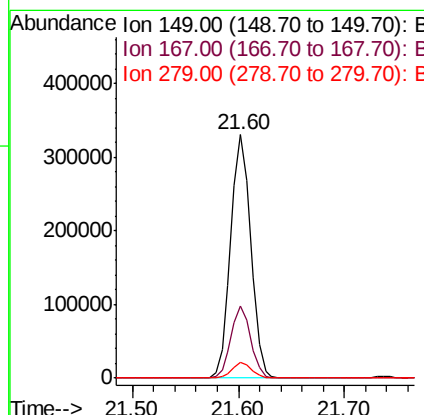
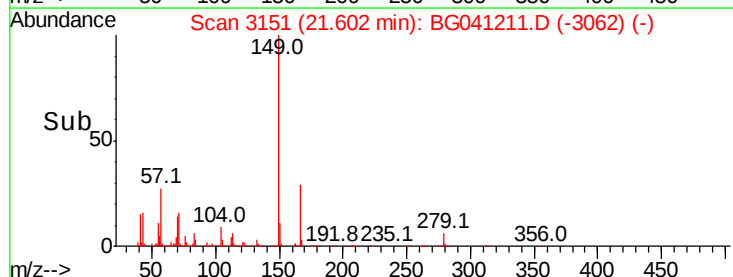
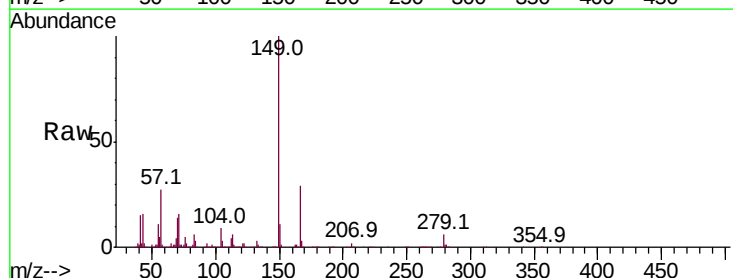
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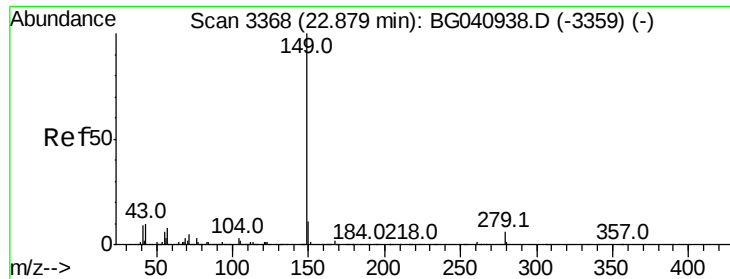
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#84
Bis(2-ethylhexyl)phthalate
Concen: 43.021 ng
RT: 21.60 min Scan# 3151
Delta R.T. -0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion:	149	Resp:	433867
Ion Ratio	Lower	Upper	
149	100		
167	29.4	24.6	37.0
279	6.3	5.0	7.6





#85

Di-n-octyl phthalate

Concen: 43.579 ng

RT: 22.84 min Scan# 3362

Delta R.T. -0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

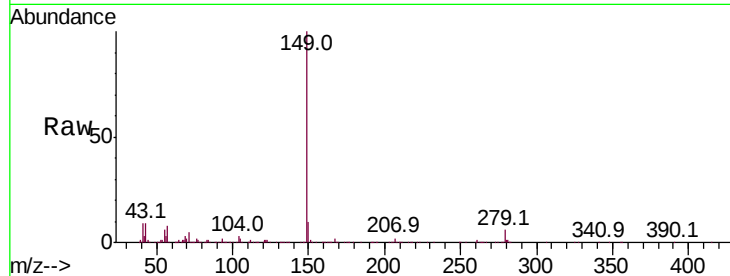
ClientSampled :

SOIL-01

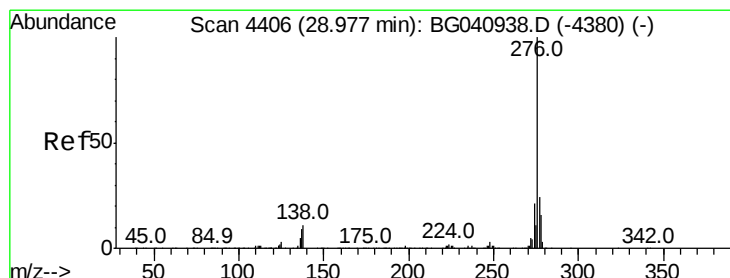
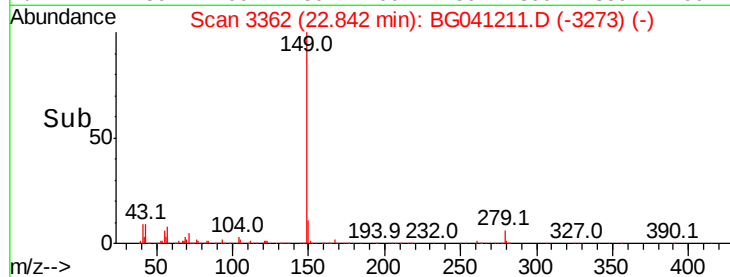
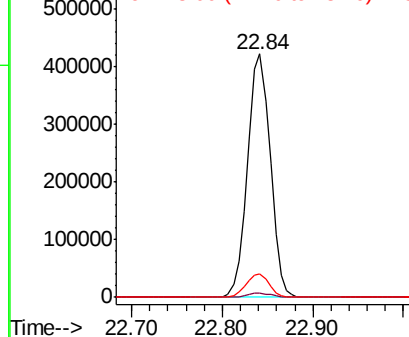
Tot Ion:	149	Resp:	731951
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.4	2.0
43	10.0	8.1	12.1

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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: 32.993 ng

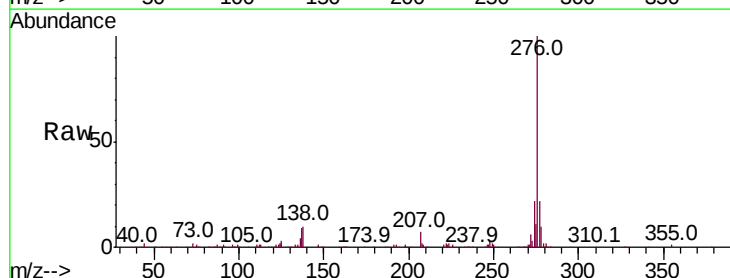
RT: 28.89 min Scan# 4392

Delta R.T. -0.01 min

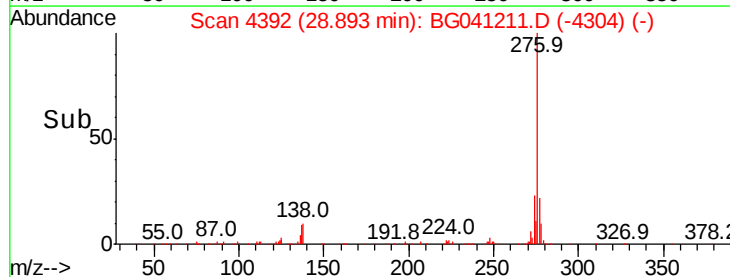
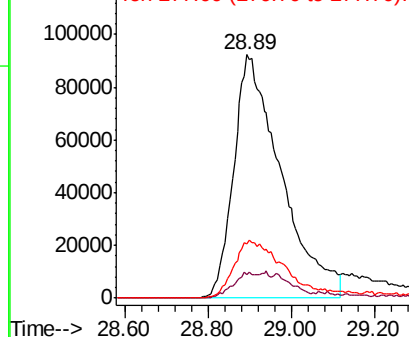
Lab File: BG041211.D

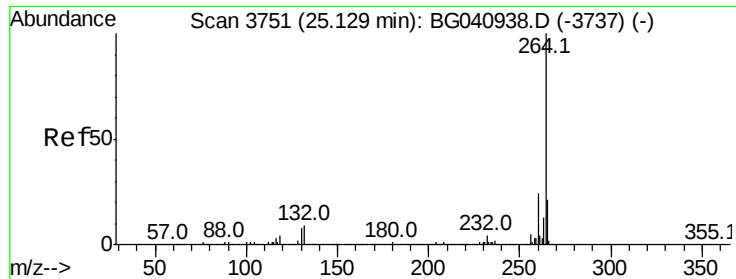
Acq: 12 Jun 2019 18:12

Tgt Ion:	276	Resp:	729086
Ion Ratio	Lower	Upper	
276	100		
138	5.1	5.7	8.5#
277	25.8	20.8	31.2



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.08 min Scan# 3743

Delta R.T. -0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

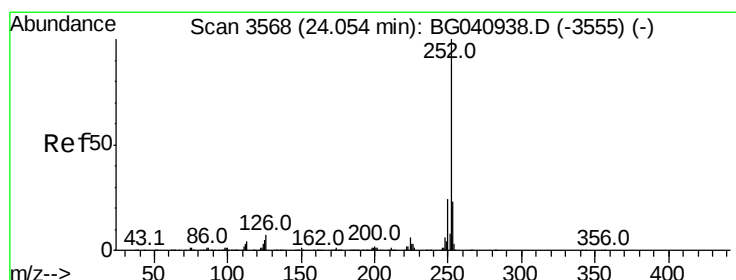
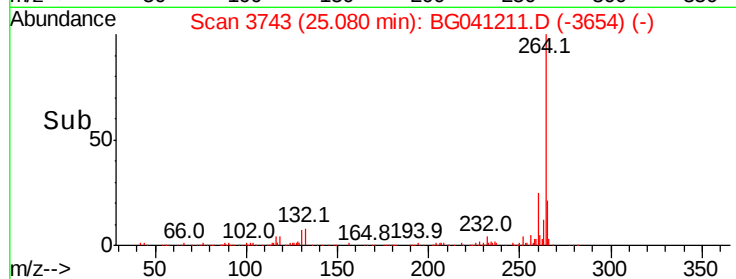
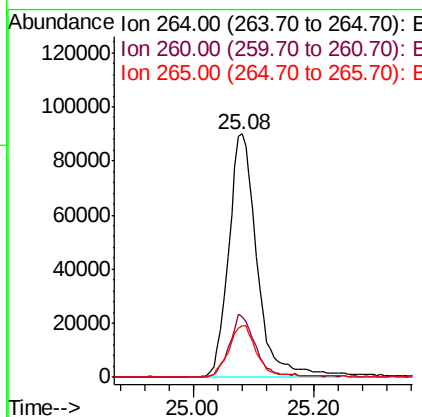
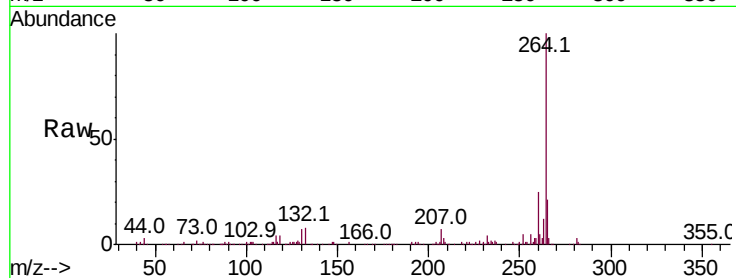
ClientSampleId :

SOIL-01

Tot Ion:	264	Resp:	293811
Ion Ratio	Lower	Upper	
264	100		
260	24.9	19.0	28.4
265	21.1	17.0	25.4

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#88

Benzo(b)fluoranthene

Concen: 43.836 ng

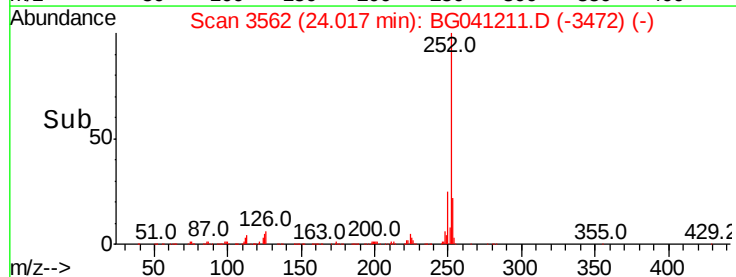
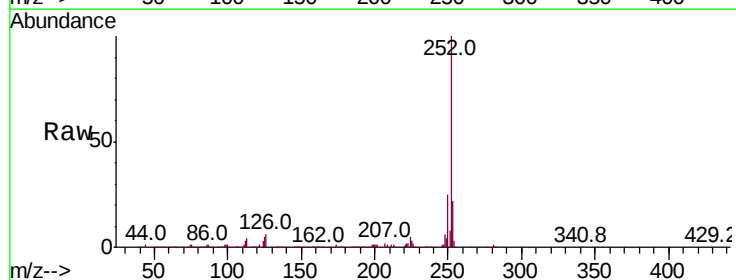
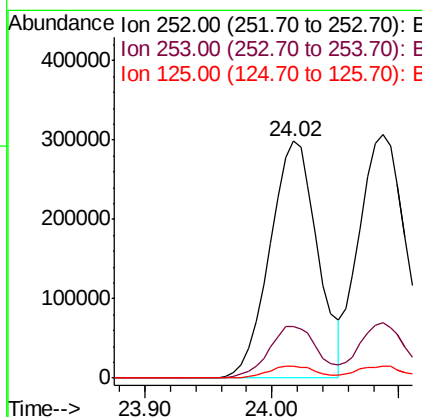
RT: 24.02 min Scan# 3562

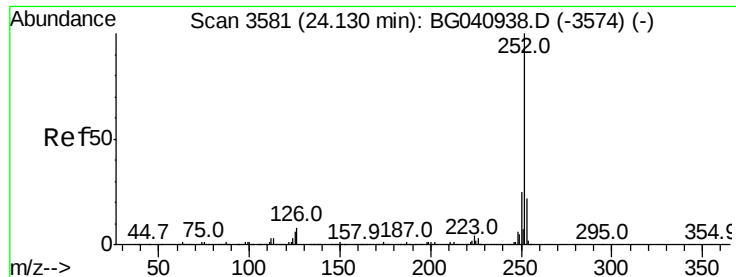
Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Tgt Ion:	252	Resp:	781183
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.4	27.6
125	5.0	4.3	6.5





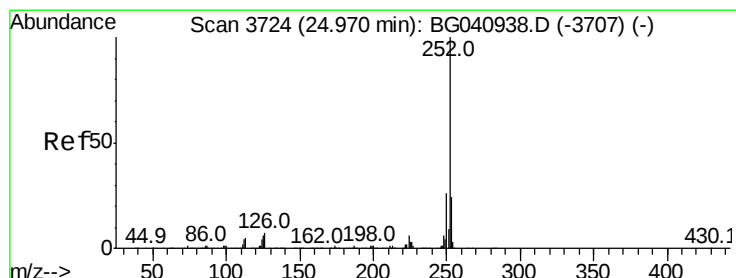
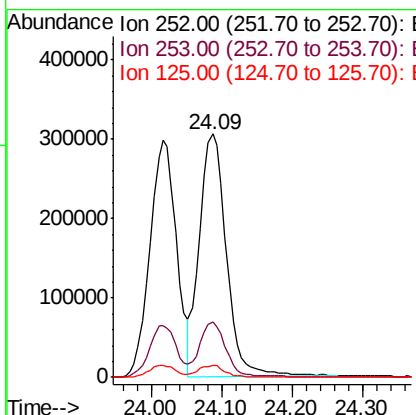
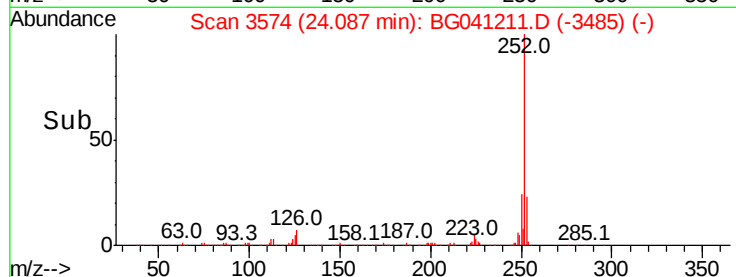
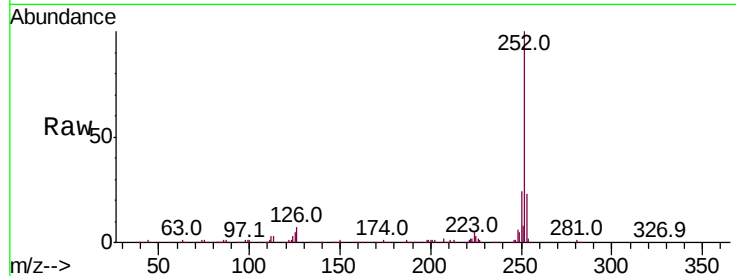
#89
Benzo(k)fluoranthene
Concen: 46.279 ng
RT: 24.09 min Scan# 3574
Delta R.T. -0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampleId :
SOIL-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	5.0	4.7	7.1

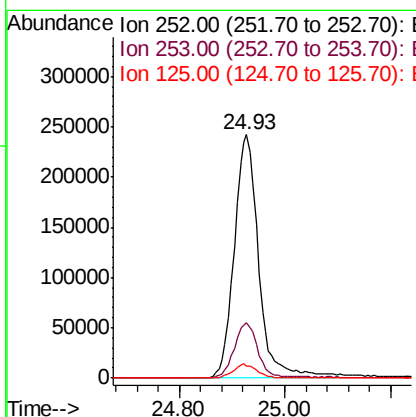
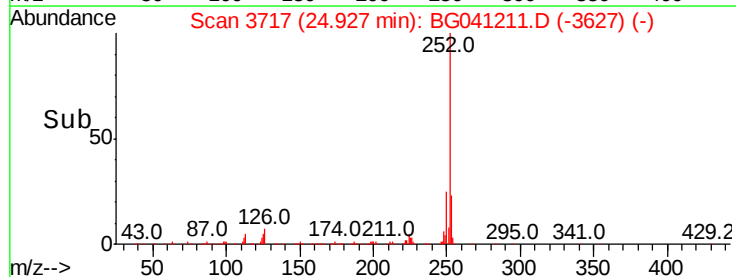
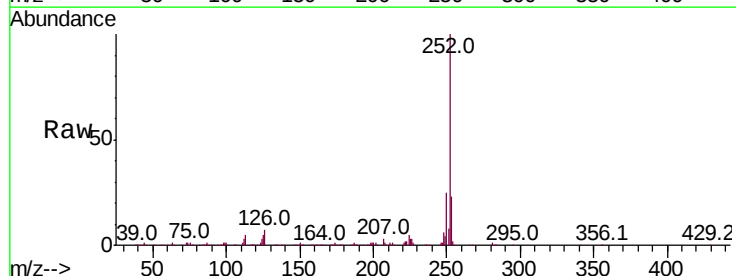
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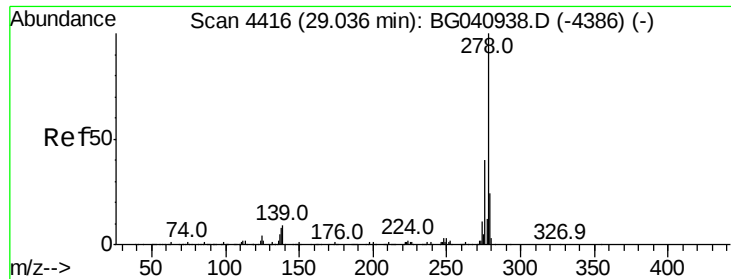
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#90
Benzo(a)pyrene
Concen: 45.594 ng
RT: 24.93 min Scan# 3717
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.5	29.3
125	5.1	5.1	7.7#





#91

Dibenzo(a,h)anthracene

Concen: 34.586 ng

RT: 28.98 min Scan# 4406

Delta R.T. 0.01 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

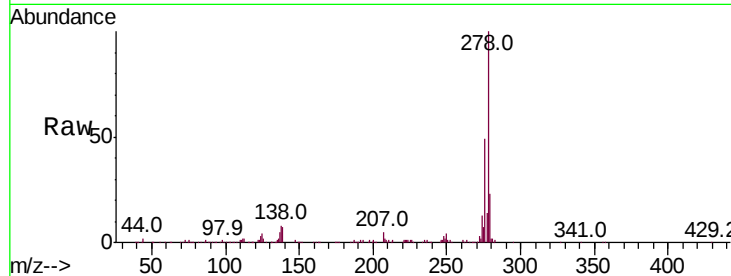
ClientSampled :

SOIL-01

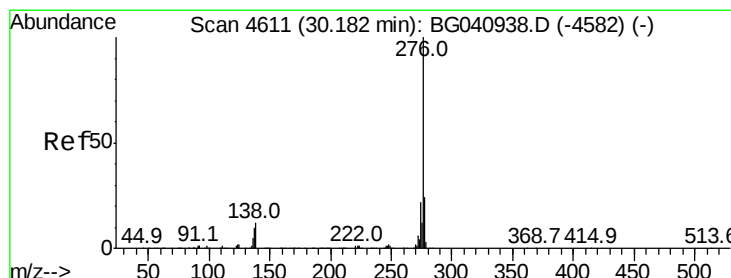
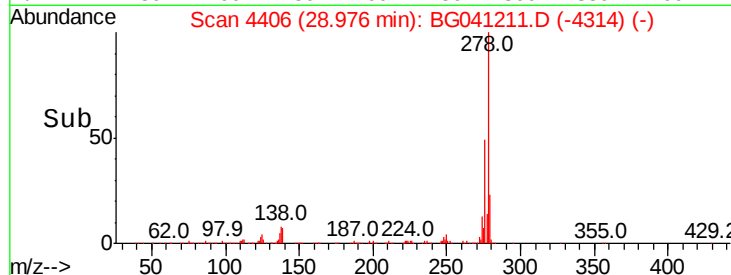
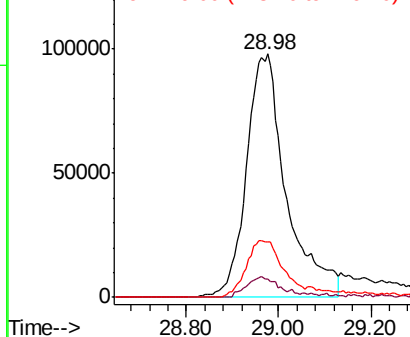
Tot Ion:	278	Resp:	587567
Ion Ratio	Lower	Upper	
278	100		
139	7.5	7.1	10.7
279	22.9	19.4	29.2

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



#92

Benzo(g,h,i)perylene

Concen: 32.403 ng

RT: 30.11 min Scan# 4599

Delta R.T. -0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Tgt Ion:	276	Resp:	534806
Ion Ratio	Lower	Upper	
276	100		
277	22.5	19.4	29.0
138	10.3	9.7	14.5

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

