

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070820\
 Data File : BG045977.D
 Acq On : 8 Jul 2020 12:12
 Operator : CG/JU
 Sample : L3216-02
 Misc : L00-SOIL-5PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Manual Integrations
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mohammad
 7/10/2020 11:45:36 AM

Quant Time: Jul 08 13:00:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 08 12:06:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	140575	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	574241	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	340180	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	702440	20.00	ng	0.00
76) Chrysene-d12	21.63	240	668557	20.00	ng	0.00
86) Perylene-d12	24.78	264	675411	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	864116	99.68	ng	0.00
7) Phenol-d6	7.16	99	1263210	101.22	ng	0.00
23) Nitrobenzene-d5	9.16	82	824168	82.61	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	325511	103.10	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1615124	74.06	ng	0.00
79) Terphenyl-d14	19.99	244	1722148	57.33	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	20970	5.243	ng	# 91
3) Pyridine	3.91	79	47138	3.898	ng	97
4) n-Nitrosodimethylamine	3.82	42	19491	4.767	ng	# 91
6) Aniline	7.33	93	75075	4.702	ng	96
8) 2-Chlorophenol	7.57	128	42384	4.542	ng	94
9) Benzaldehyde	7.15	77	49802	6.298	ng	95
10) Phenol	7.19	94	58068	4.638	ng	95
11) bis(2-Chloroethyl)ether	7.42	93	48077	4.644	ng	98
12) 1,3-Dichlorobenzene	7.90	146	47281	4.396	ng	97
13) 1,4-Dichlorobenzene	8.05	146	49456	4.674	ng	97
14) 1,2-Dichlorobenzene	8.36	146	44161	4.337	ng	97
15) Benzyl Alcohol	8.23	79	42494	4.343	ng	95
16) 2,2'-oxybis(1-Chloropropan	8.54	45	59488	4.404	ng	97
17) 2-Methylphenol	8.44	107	39913	4.249	ng	98
18) Hexachloroethane	9.10	117	18834	4.626	ng	94
19) n-Nitroso-di-n-propylamine	8.81	70	40437	4.612	ng	99
20) 3+4-Methylphenols	8.76	107	51730	4.041	ng	92
22) Acetophenone	8.82	105	71941	4.690	ng	# 97
24) Nitrobenzene	9.20	77	57323	5.206	ng	98
25) Isophorone	9.73	82	104301	4.282	ng	98
26) 2-Nitrophenol	9.91	139	16578	4.619	ng	91
27) 2,4-Dimethylphenol	9.97	122	39572	4.565	ng	99
28) bis(2-Chloroethoxy)methane	10.21	93	63144	4.617	ng	98
29) 2,4-Dichlorophenol	10.44	162	35489	3.955	ng	89
30) 1,2,4-Trichlorobenzene	10.67	180	42722	4.296	ng	95
31) Naphthalene	10.85	128	141649	4.601	ng	100
32) Benzoic acid	10.02	122	13110m	2.793	ng	
33) 4-Chloroaniline	10.95	127	57758	4.199	ng	99
34) Hexachlorobutadiene	11.15	225	22901	3.944	ng	94
35) Caprolactam	11.69	113	12820	3.763	ng	88
36) 4-Chloro-3-methylphenol	12.07	107	41312	4.042	ng	97
37) 2-Methylnaphthalene	12.46	142	102615	4.689	ng	99
38) 1-Methylnaphthalene	12.67	142	96246	4.660	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.82	216	46940	4.895	ng	98

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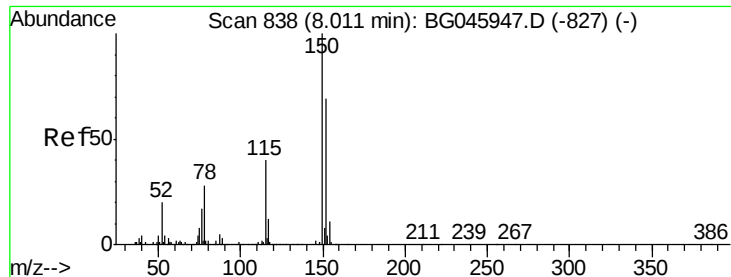
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.82	237	24117	4.238	ng	99
43) 2,4,6-Trichlorophenol	13.06	196	26978	4.160	ng	98
44) 2,4,5-Trichlorophenol	13.13	196	29615	4.039	ng	95
46) 1,1'-Biphenyl	13.46	154	131287	5.130	ng	94
47) 2-Chloronaphthalene	13.50	162	90271	4.471	ng	97
48) 2-Nitroaniline	13.69	65	23315	4.934	ng	96
49) Acenaphthylene	14.35	152	151360	4.646	ng	97
50) Dimethylphthalate	14.08	163	112780	4.418	ng	99
51) 2,6-Dinitrotoluene	14.19	165	19013	4.800	ng	96
52) Acenaphthene	14.69	154	90140	4.387	ng	98
53) 3-Nitroaniline	14.51	138	21684	4.417	ng	# 90
54) 2,4-Dinitrophenol	14.71	184	3564	2.551	ng	# 1
55) Dibenzofuran	15.02	168	139965	4.647	ng	96
56) 4-Nitrophenol	14.81	139	16593	3.989	ng	97
57) 2,4-Dinitrotoluene	14.97	165	21057	4.302	ng	92
58) Fluorene	15.67	166	113097	4.577	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.25	232	23385	4.131	ng	90
60) Diethylphthalate	15.45	149	116541	4.353	ng	96
61) 4-Chlorophenyl-phenylether	15.67	204	54934	4.469	ng	96
62) 4-Nitroaniline	15.68	138	23995	4.548	ng	89
63) Azobenzene	15.96	77	136643	4.755	ng	97
65) 4,6-Dinitro-2-methylphenol	15.73	198	7205	3.502	ng	99
66) n-Nitrosodiphenylamine	15.88	169	97671	4.487	ng	99
67) 4-Bromophenyl-phenylether	16.56	248	33268	4.241	ng	96
68) Hexachlorobenzene	16.68	284	33697	4.280	ng	98
69) Atrazine	16.83	200	33274	5.170	ng	97
70) Pentachlorophenol	17.02	266	14031	3.206	ng	91
71) Phenanthrene	17.41	178	174374	4.696	ng	96
72) Anthracene	17.50	178	178802	4.744	ng	97
73) Carbazole	17.76	167	168611	4.463	ng	# 95
74) Di-n-butylphthalate	18.34	149	202726	4.441	ng	95
75) Fluoranthene	19.42	202	205565	4.788	ng	94
77) Benzidine	19.59	184	105775	5.533	ng	98
78) Pyrene	19.78	202	213114	4.670	ng	92
80) Butylbenzylphthalate	20.68	149	83158	3.856	ng	99
81) Benzo(a)anthracene	21.60	228	198652	4.519	ng	92
82) 3,3'-Dichlorobenzidine	21.52	252	75616	4.655	ng	91
83) Chrysene	21.67	228	189378	4.522	ng	95
84) Bis(2-ethylhexyl)phthalate	21.55	149	127722	4.080	ng	# 91
85) Di-n-octyl phthalate	22.75	149	212571	3.913	ng	99
87) Indeno(1,2,3-cd)pyrene	28.35	276	213746	4.326	ng	91
88) Benzo(b)fluoranthene	23.78	252	192514	4.490	ng	98
89) Benzo(k)fluoranthene	23.85	252	190960	4.710	ng	98
90) Benzo(a)pyrene	24.62	252	176307	4.373	ng	97
91) Dibenzo(a,h)anthracene	28.42	278	177358	4.450	ng	94
92) Benzo(g,h,i)perylene	29.45	276	177475	4.425	ng	97

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



#1

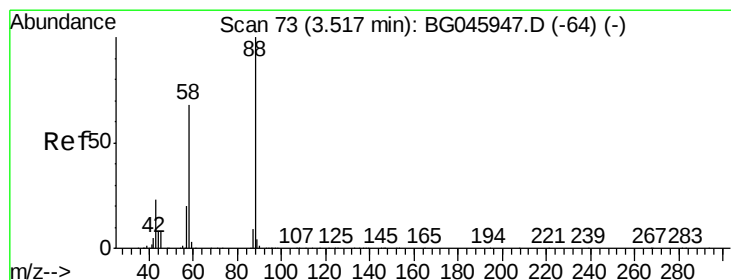
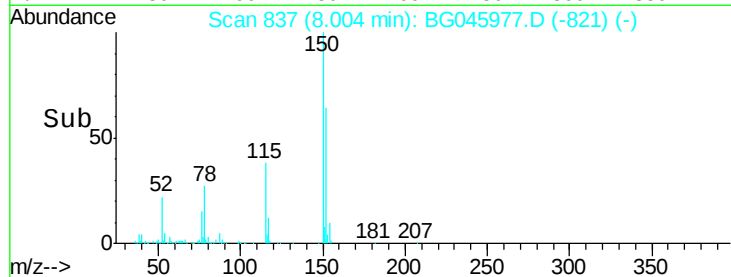
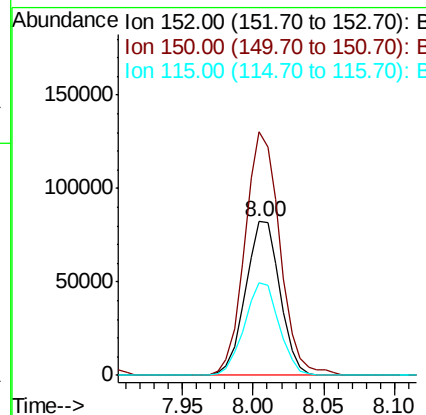
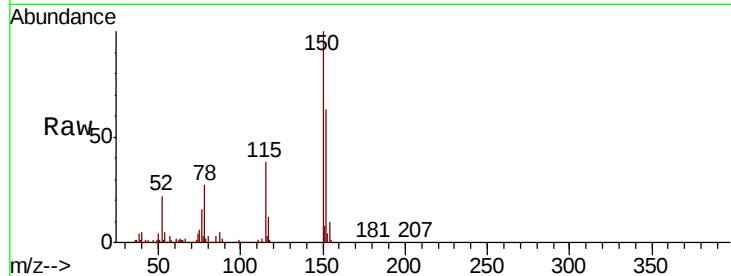
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	116.7	175.1
115	60.0	47.4	71.0

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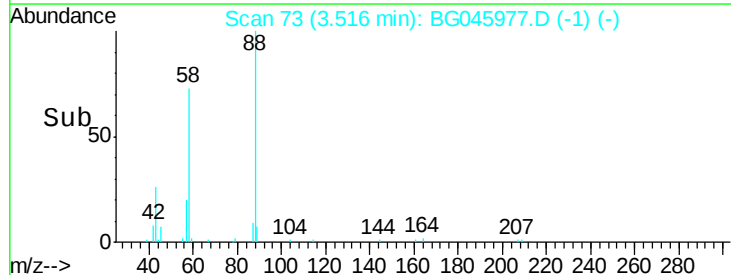
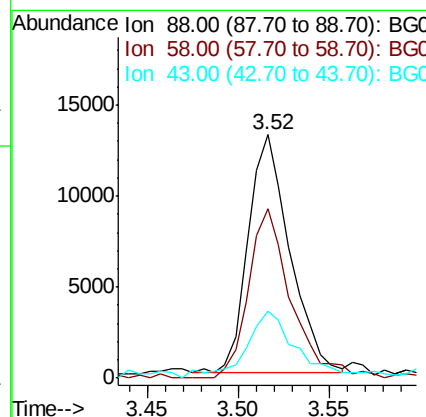
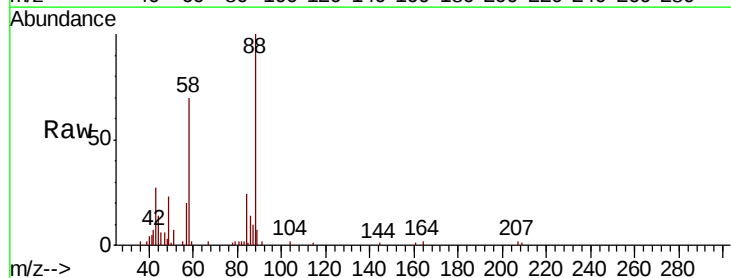
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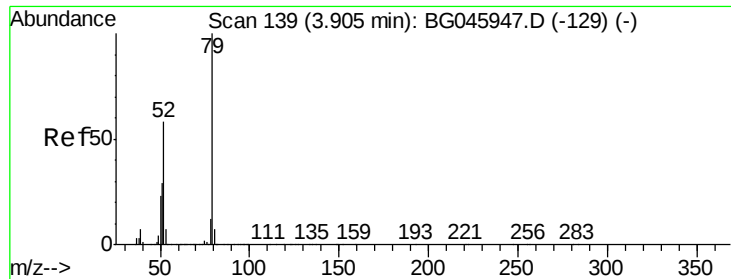


#2

1,4-Dioxane
Concen: 5.243 ng
RT: 3.52 min Scan# 73
Delta R.T. -0.00 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
88	100		
58	72.5	55.2	82.8
43	35.4	19.4	29.0





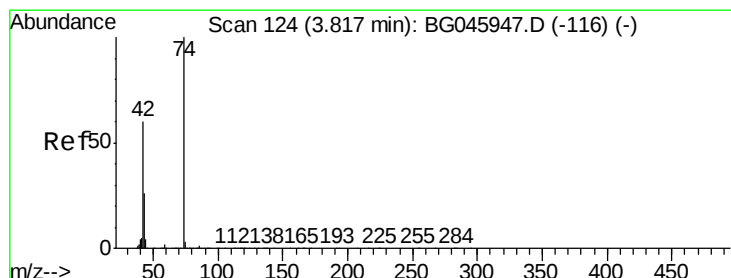
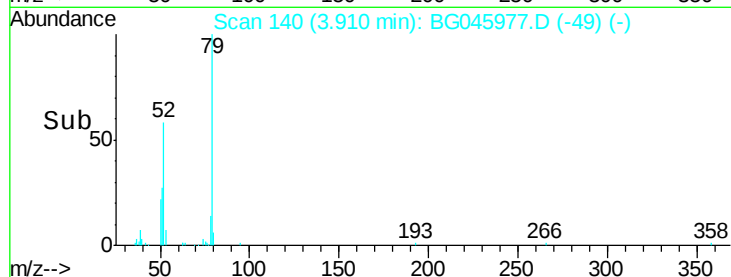
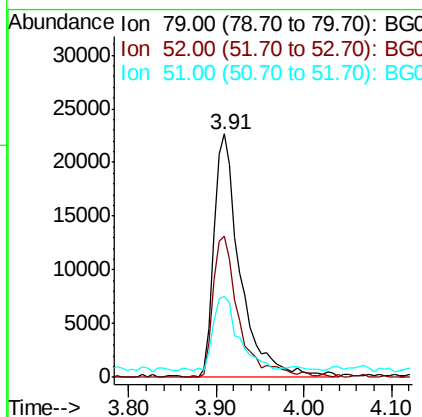
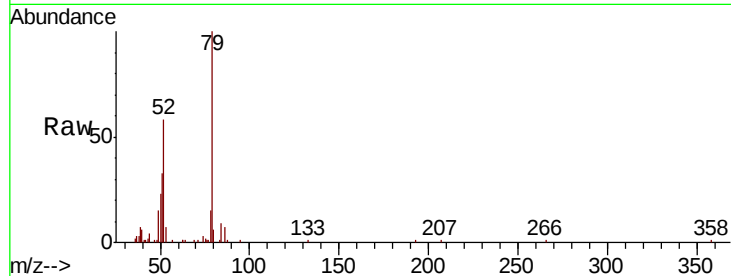
#3
 Pvridine
 Concen: 3.898 ng
 RT: 3.91 min Scan# 140
 Delta R.T. 0.01 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
79	100		
52	57.9	46.5	69.7
51	33.1	23.5	35.3

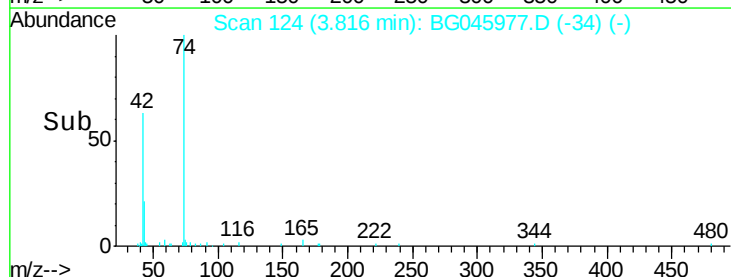
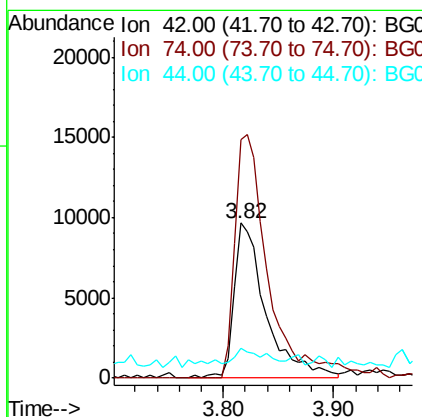
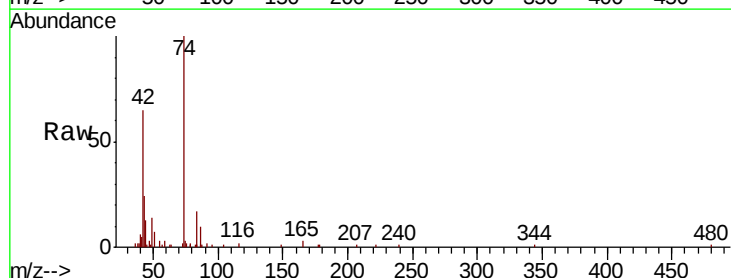
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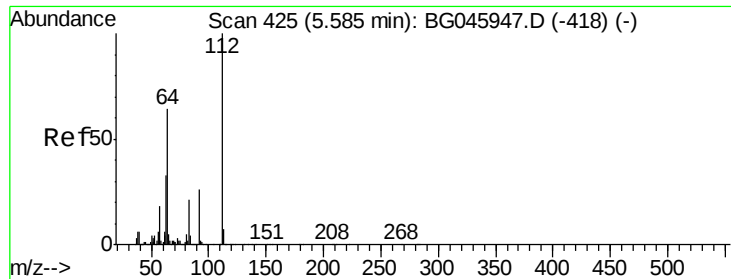
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#4
 n-Nitrosodimethylamine
 Concen: 4.767 ng
 RT: 3.82 min Scan# 124
 Delta R.T. -0.00 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
42	100		
74	153.6	131.9	197.9
44	19.4	7.7	11.5





#5

2-Fluorophenol

Concen: 99.684 ng

RT: 5.58 min Scan# 425

Delta R.T. -0.00 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

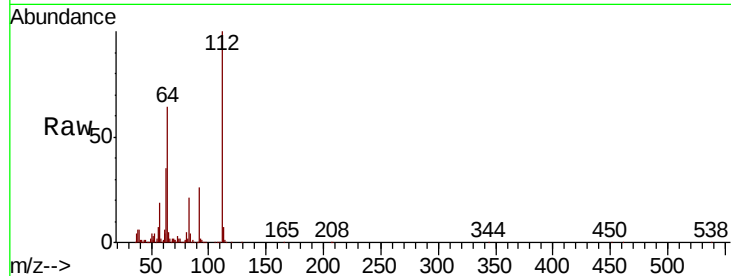
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LOQ-SOIL-02-QT3-2020

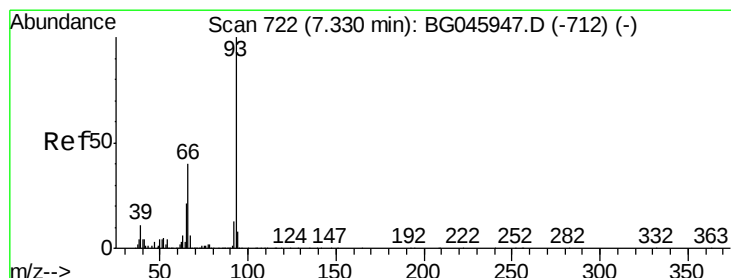
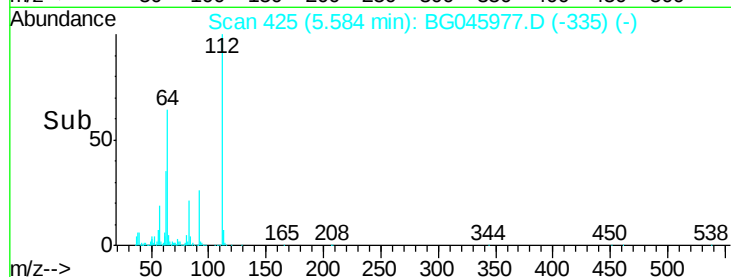
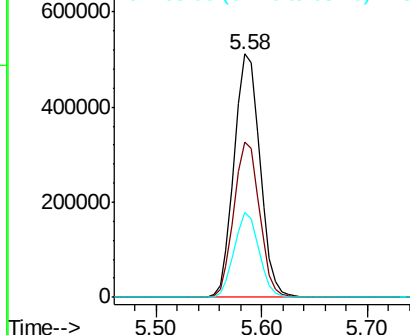
Tot Ion:	112	Resp:	864116
Ion Ratio	Lower	Upper	
112	100		
64	63.7	51.4	77.2
63	35.1	26.6	40.0

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



#6

Aniline

Concen: 4.702 ng

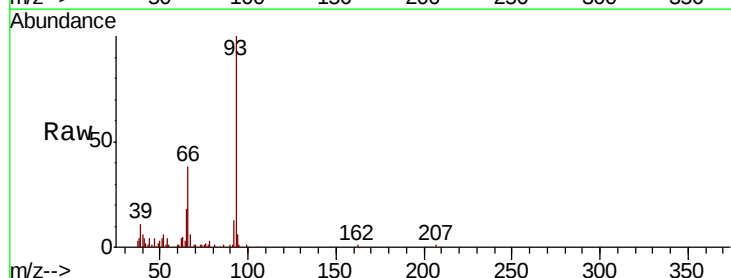
RT: 7.33 min Scan# 722

Delta R.T. -0.00 min

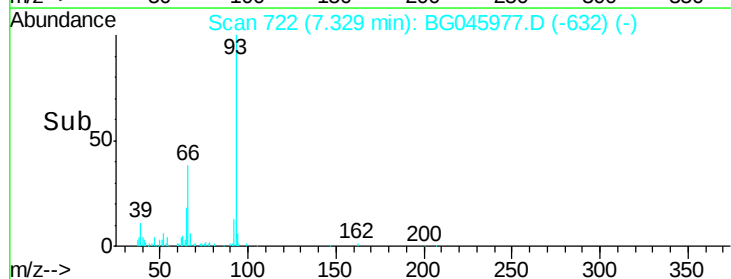
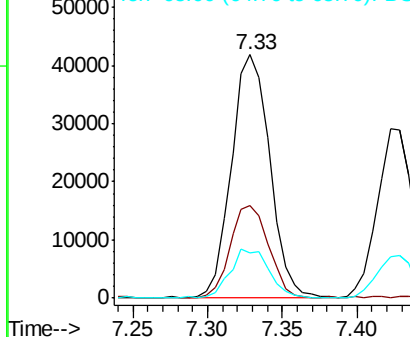
Lab File: BG045977.D

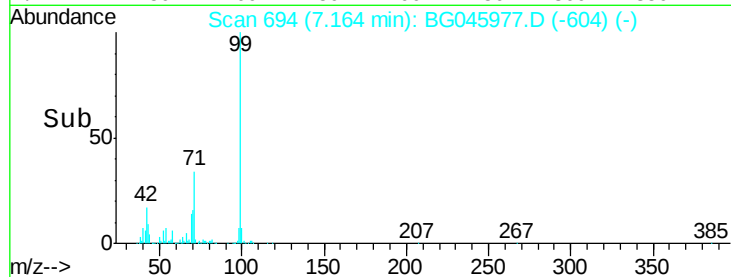
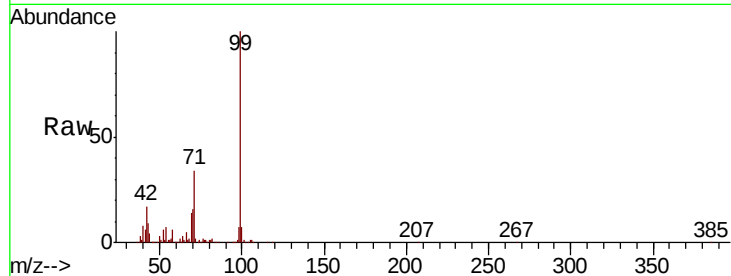
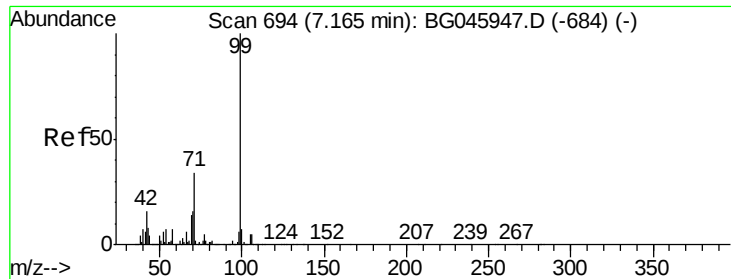
Acq: 8 Jul 2020 12:12

Tgt Ion:	93	Resp:	75075
Ion Ratio	Lower	Upper	
93	100		
66	38.2	32.3	48.5
65	18.4	16.6	25.0



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





#7

Phenol-d6

Concen: 101.217 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Tot Ion	99	Resp	1263210
Ion	Ratio	Lower	Upper
99	100		
42	17.5	13.0	19.4
71	34.2	27.5	41.3

Instrument :

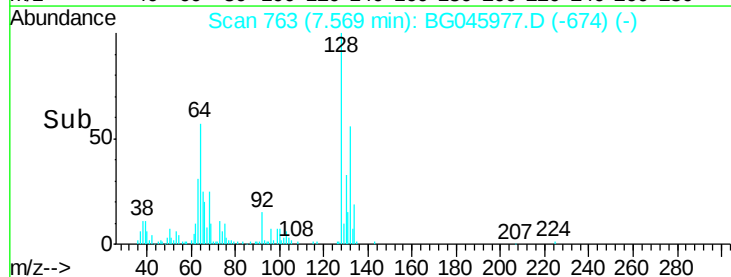
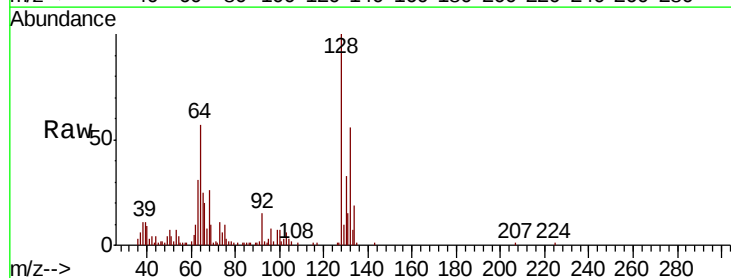
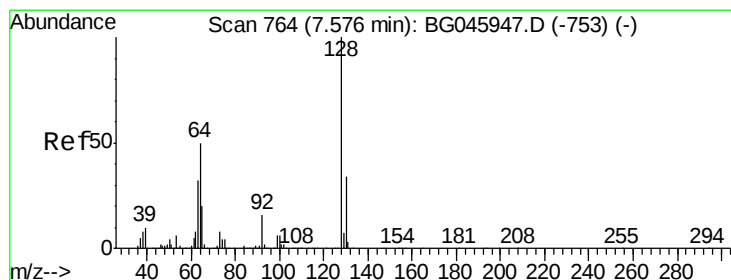
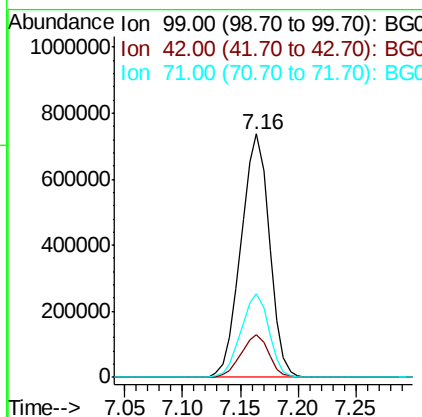
BNA_G

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LOQ-SOIL-02-QT3-2020

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#8

2-Chlorophenol

Concen: 4.542 ng

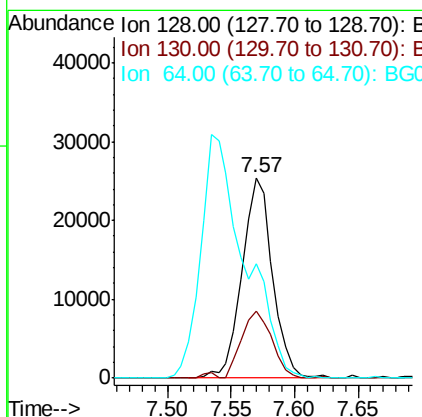
RT: 7.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Tgt Ion	128	Resp	42384
Ion	Ratio	Lower	Upper
128	100		
130	33.2	13.6	53.6
64	57.2	30.6	70.6





#9

Benzaldehyde

Concen: 6.298 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

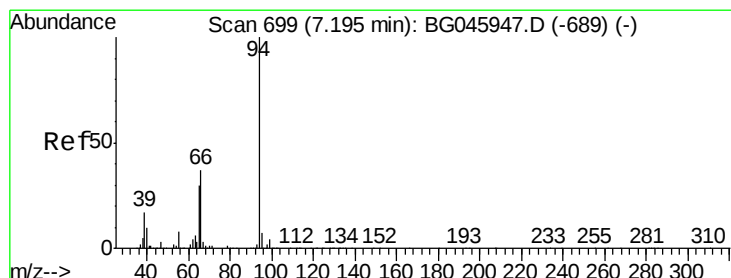
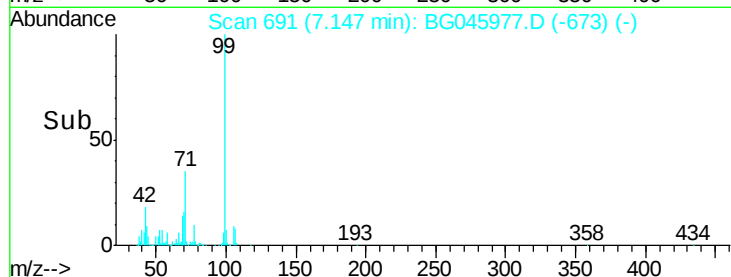
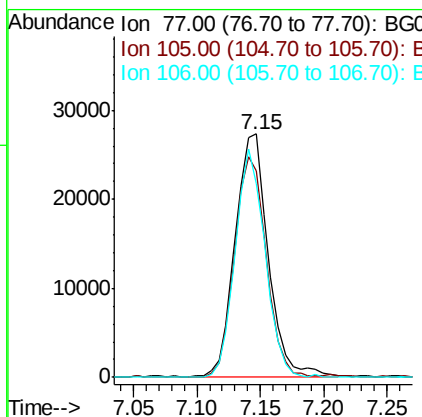
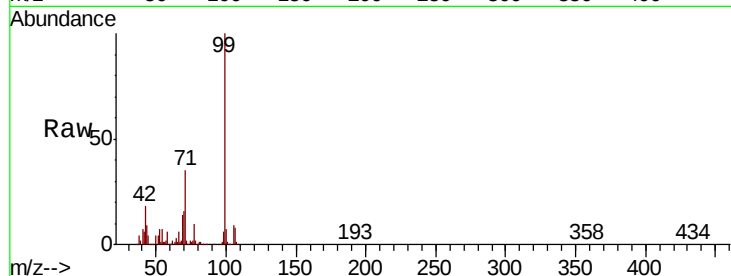
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	77	Resp:	49802
Ion	Ratio	Lower	Upper
77	100		
105	84.6	66.0	106.0
106	79.6	67.7	107.7

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#10

Phenol

Concen: 4.638 ng

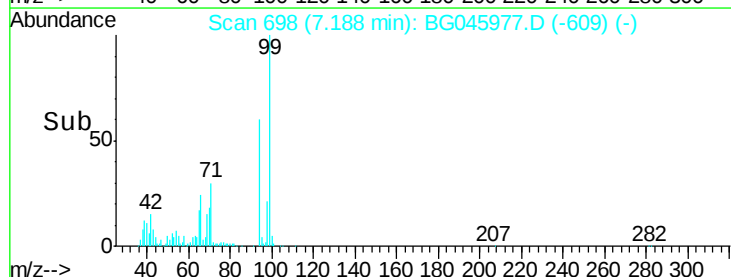
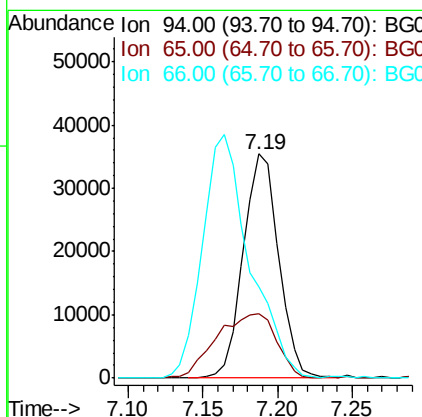
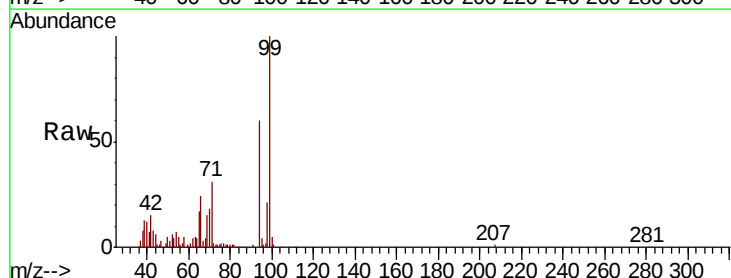
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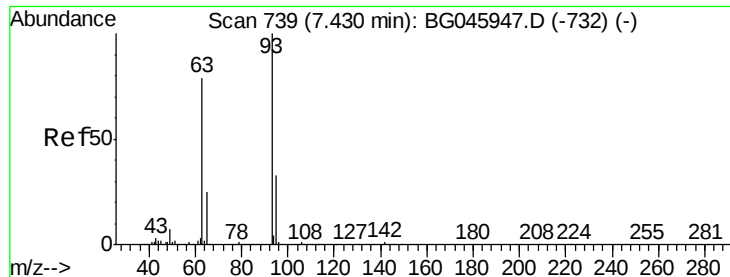
Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Tgt Ion:	94	Resp:	58068
Ion	Ratio	Lower	Upper
94	100		
65	28.6	10.6	50.6
66	40.8	17.1	57.1





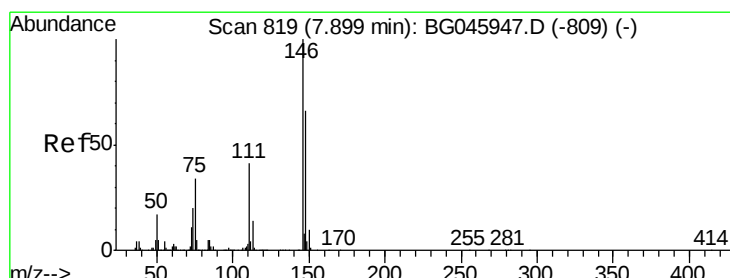
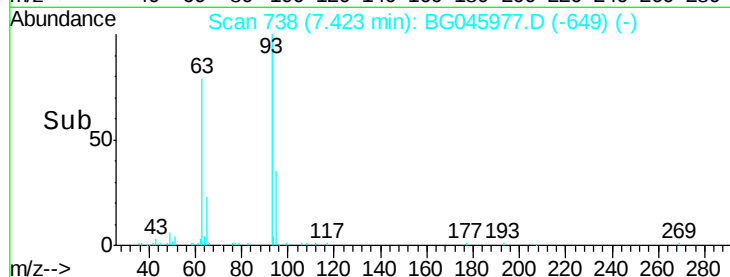
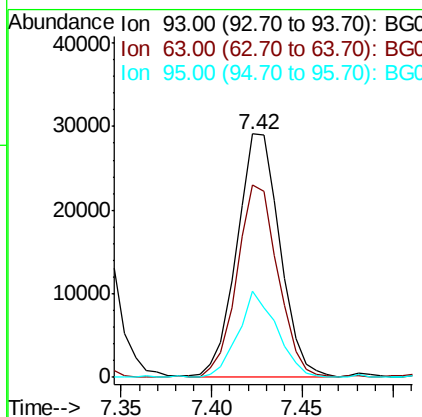
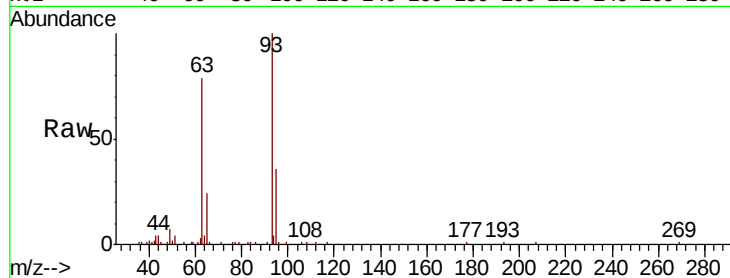
#11
bis(2-Chloroethyl)ether
Concen: 4.644 ng
RT: 7.42 min Scan# 738
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
93	100	48077		
63	79.3		58.6	98.6
95	35.6		13.3	53.3

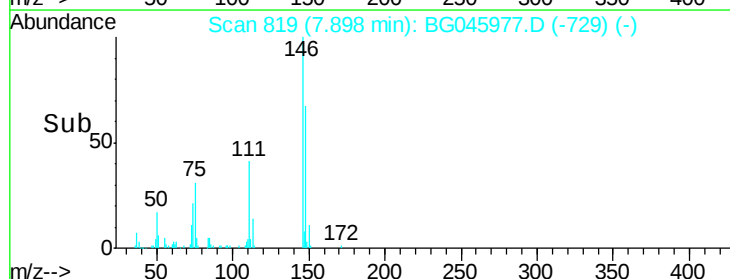
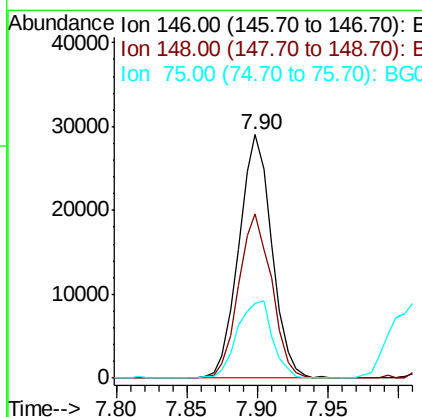
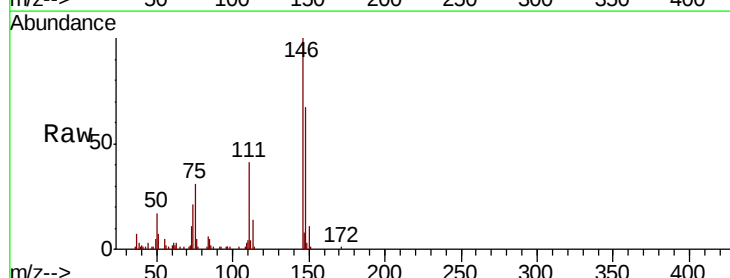
Manual Integrations
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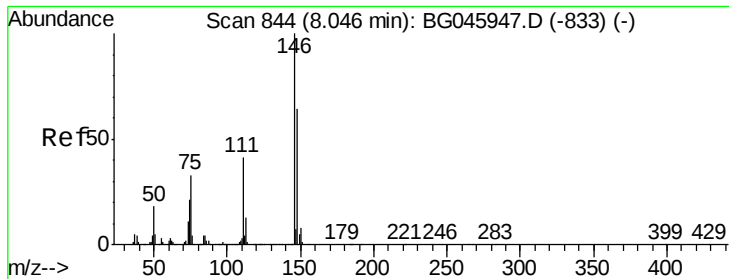
mohammad
7/10/2020 11:45:36 AM



#12
1,3-Dichlorobenzene
Concen: 4.396 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	47281		
148	67.3		52.8	79.2
75	30.6		27.2	40.8





#13

1,4-Dichlorobenzene

Concen: 4.674 ng

RT: 8.05 min Scan# 844

Delta R.T. -0.00 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

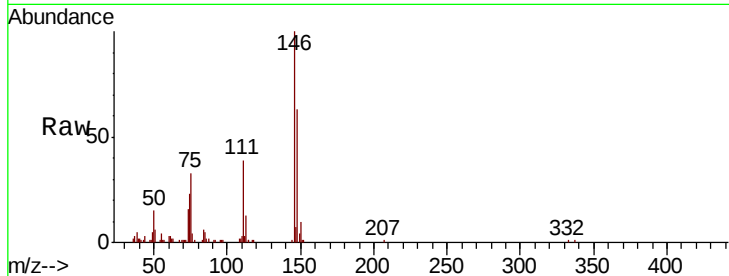
ClientSampleId :

LOQ-SOIL-02-QT3-2020

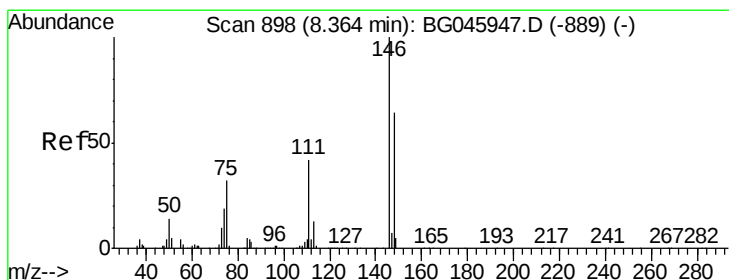
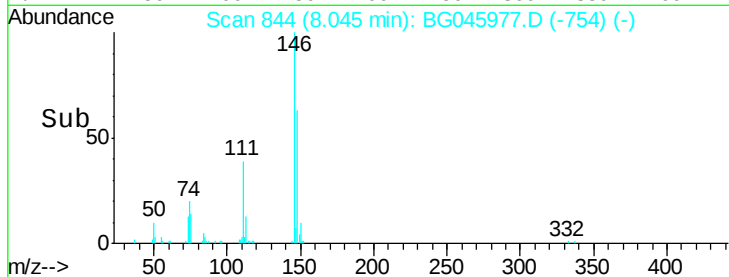
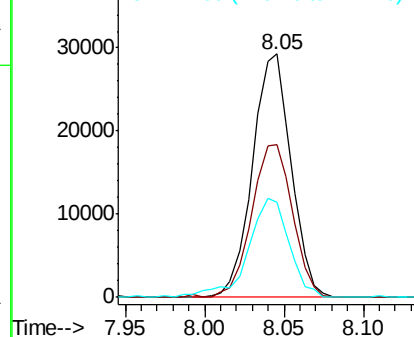
Tot Ion:	146	Resp:	49456
Ion Ratio	Lower	Upper	
146	100		
148	62.8	51.7	77.5
111	39.2	33.3	49.9

Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 4.337 ng

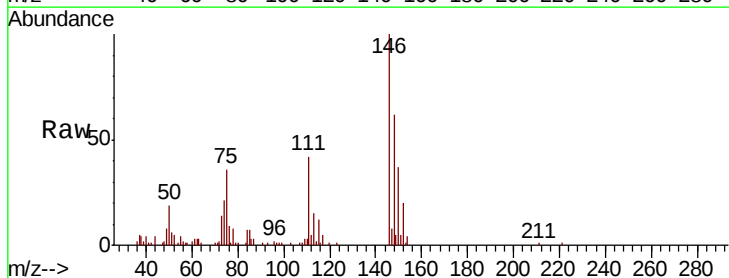
RT: 8.36 min Scan# 898

Delta R.T. -0.00 min

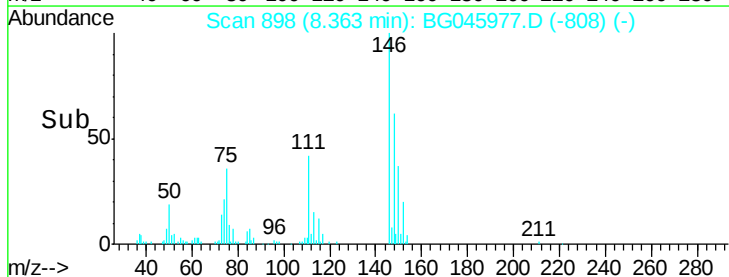
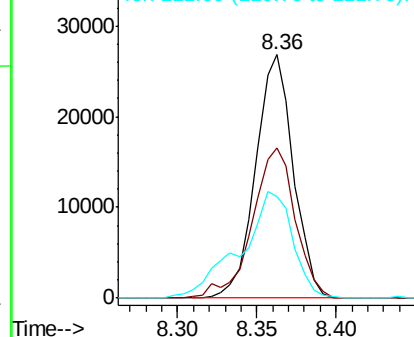
Lab File: BG045977.D

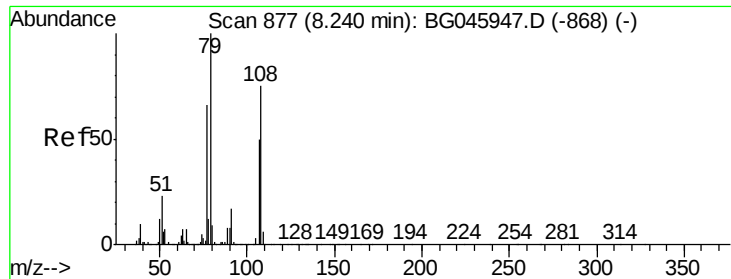
Acq: 8 Jul 2020 12:12

Tgt Ion:	146	Resp:	44161
Ion Ratio	Lower	Upper	
146	100		
148	61.7	51.6	77.4
111	41.8	34.0	51.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





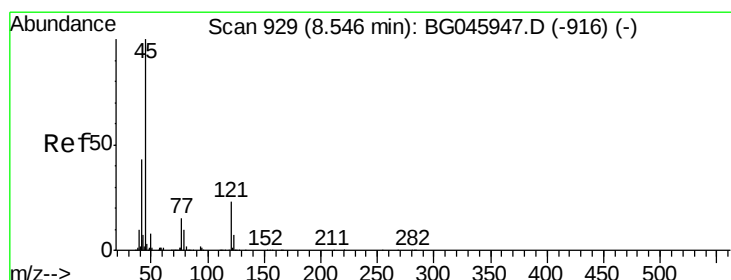
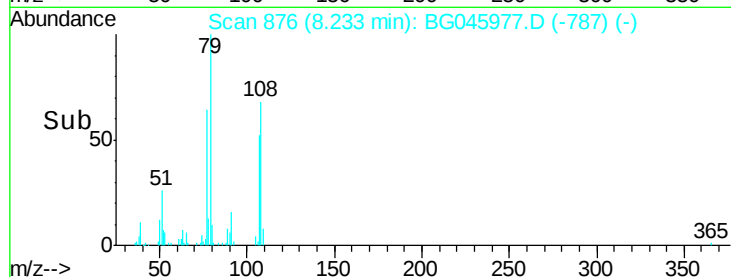
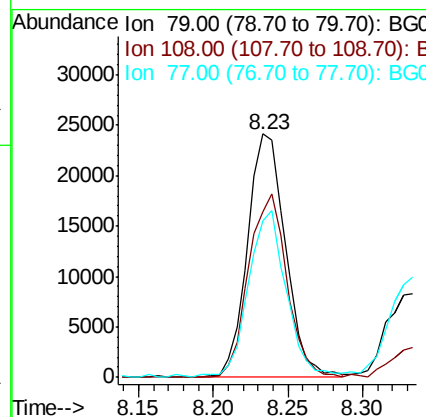
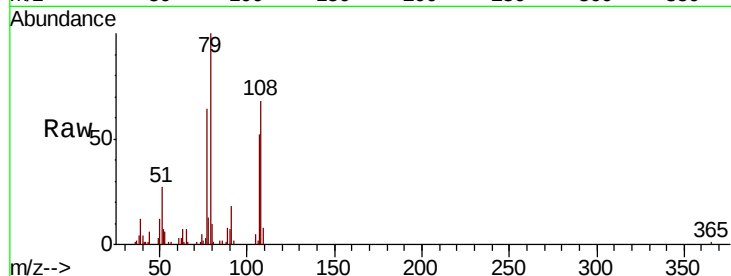
#15
Benzyl Alcohol
Concen: 4.343 ng
RT: 8.23 min Scan# 876
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
79	100		
108	68.2	60.2	90.4
77	64.3	52.9	79.3

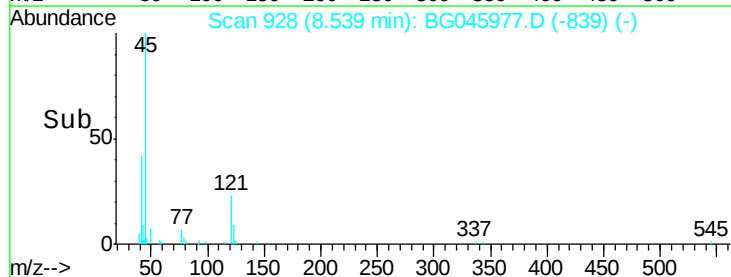
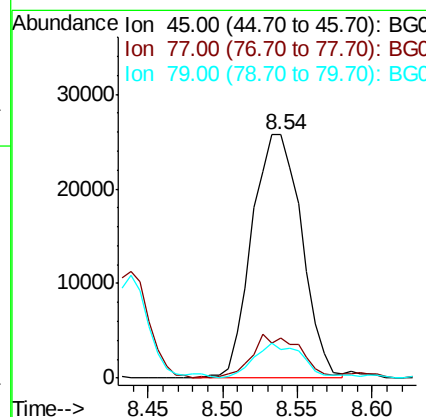
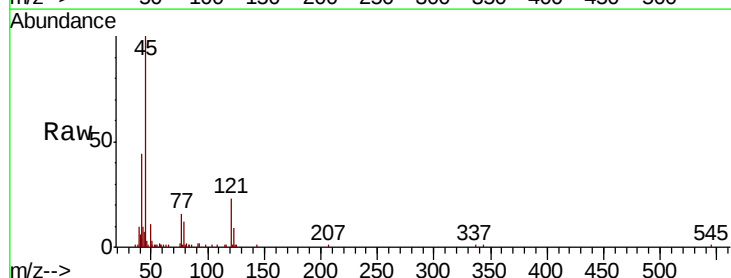
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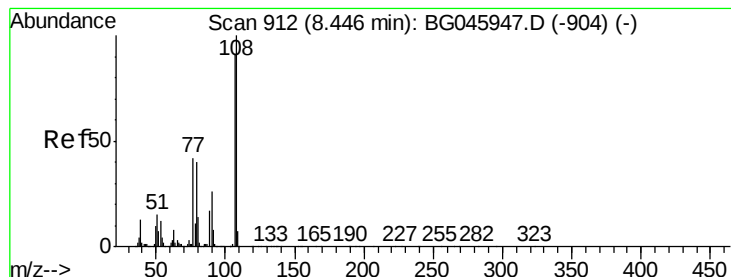
mohammad
7/10/2020 11:45:36 AM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.404 ng
RT: 8.54 min Scan# 928
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	37.6
79	11.5	0.0	32.6





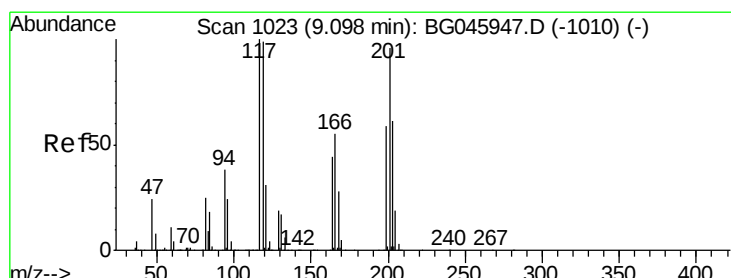
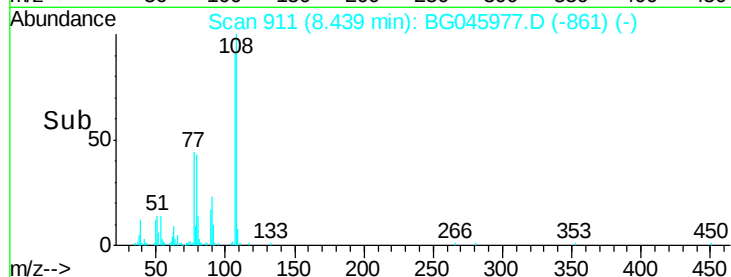
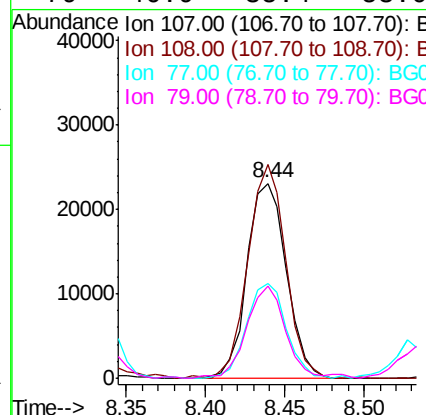
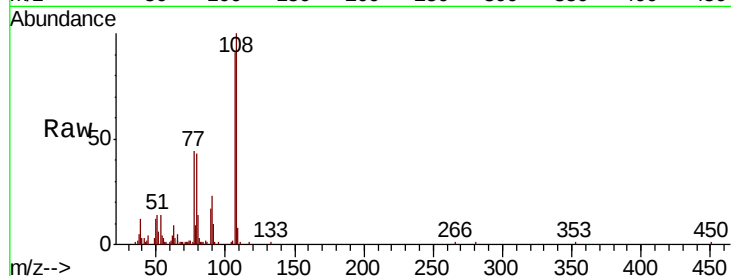
#17
2-Methylphenol
Concen: 4.249 ng
RT: 8.44 min Scan# 911
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	109.4	88.2	132.4	
77	48.6	37.0	55.4	
79	46.9	35.4	53.0	

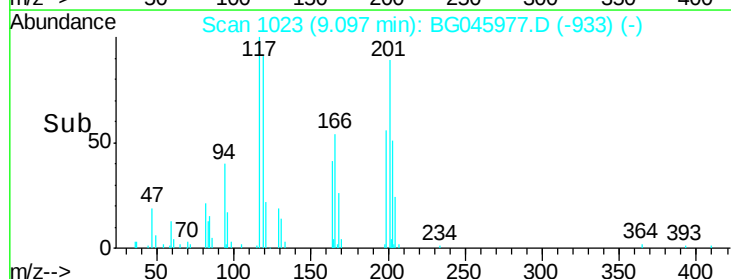
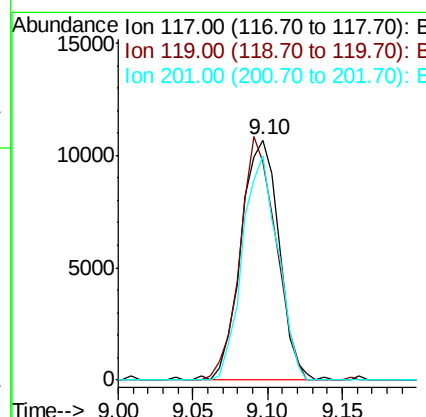
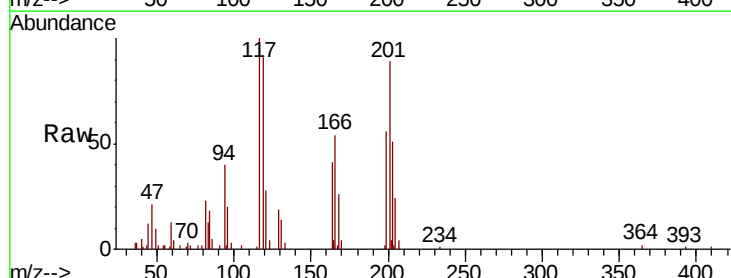
Manual Integrations
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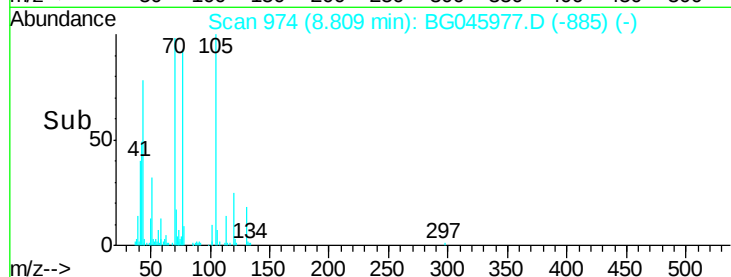
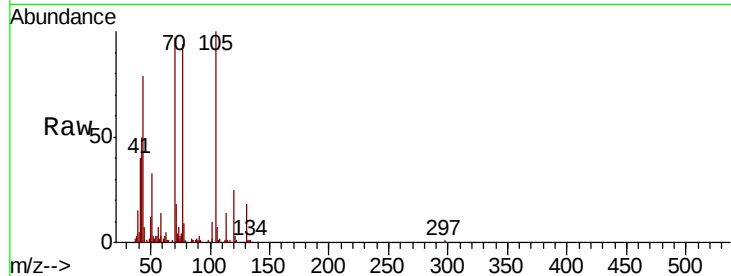
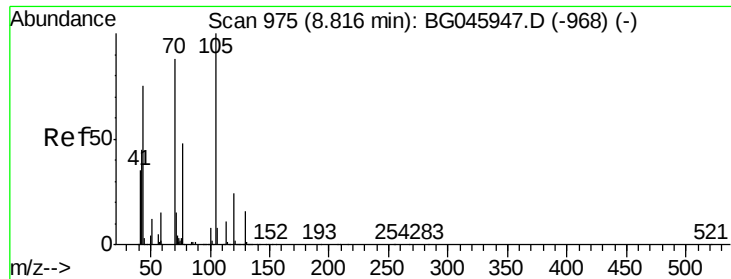
mohammad
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#18
Hexachloroethane
Concen: 4.626 ng
RT: 9.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	90.7	79.5	119.3	
201	93.3	77.0	115.4	





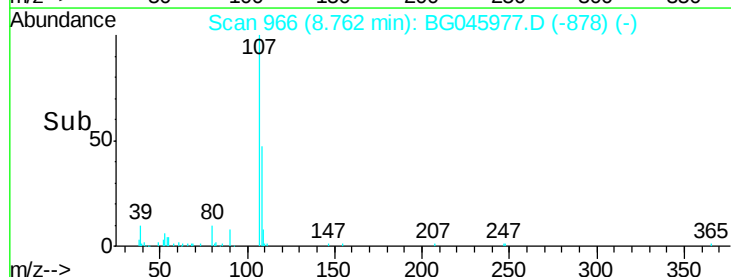
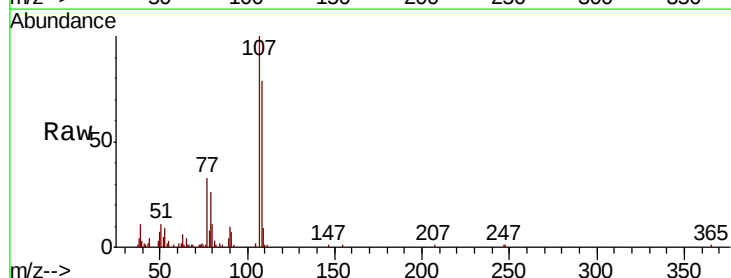
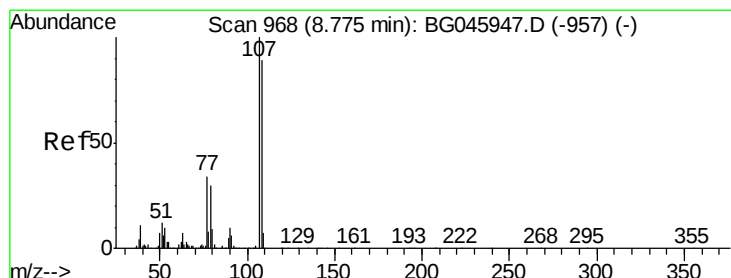
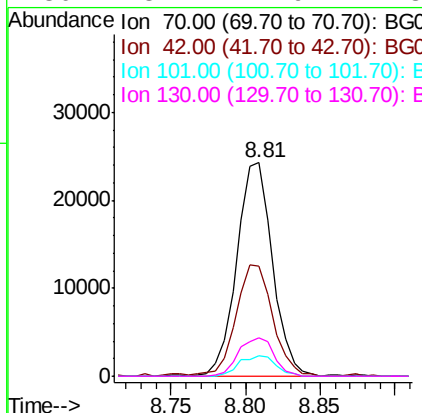
#19
n-Nitroso-di-n-propylamine
Concen: 4.612 ng
RT: 8.81 min Scan# 974
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	51.3	41.4	62.0		
101	9.9	7.1	10.7		
130	18.2	14.9	22.3		

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

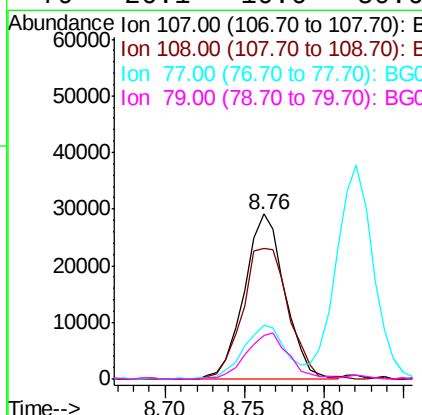
Manual Integrations
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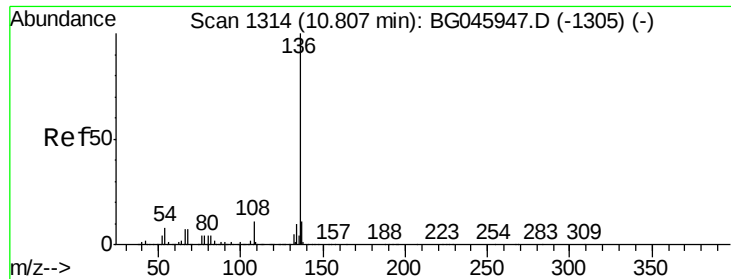
mohammad
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#20
3+4-Methylphenols
Concen: 4.041 ng
RT: 8.76 min Scan# 966
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	79.5	68.7	108.7		
77	32.9	14.6	54.6		
79	26.1	10.6	50.6		





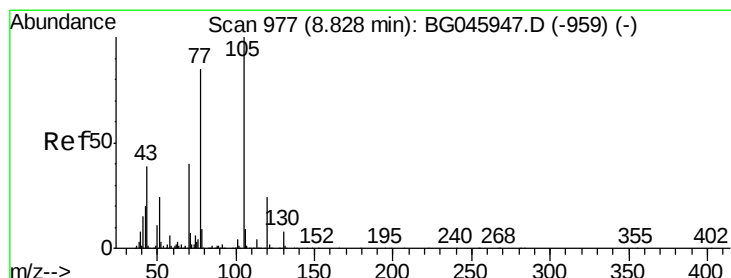
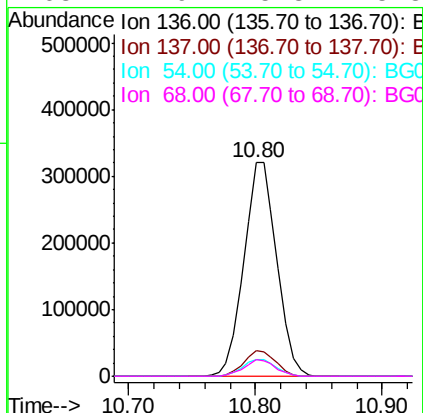
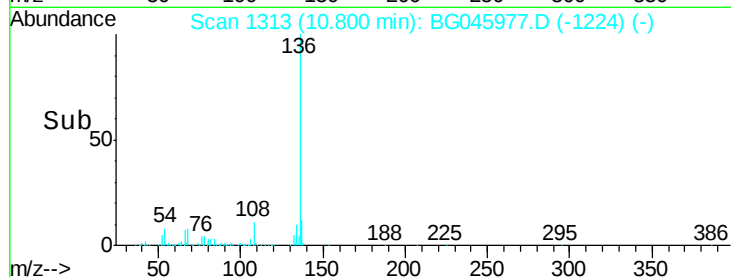
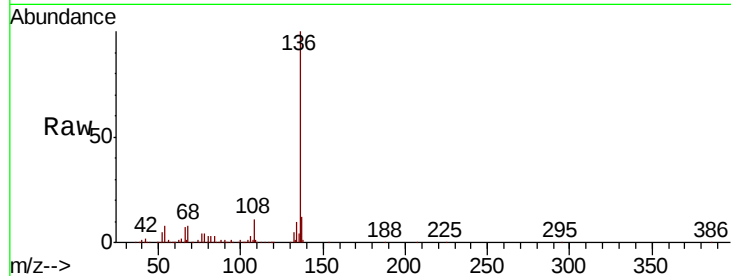
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
136	100	574241		
137	11.7	9.2	13.8	
54	8.1	6.2	9.4	
68	7.9	5.8	8.8	

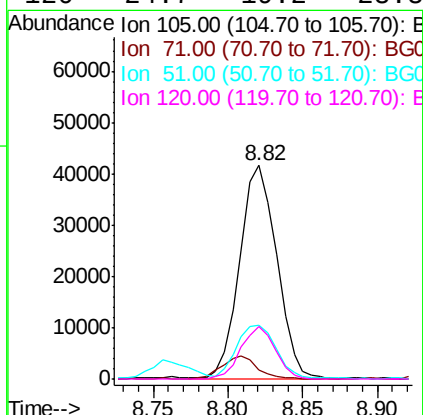
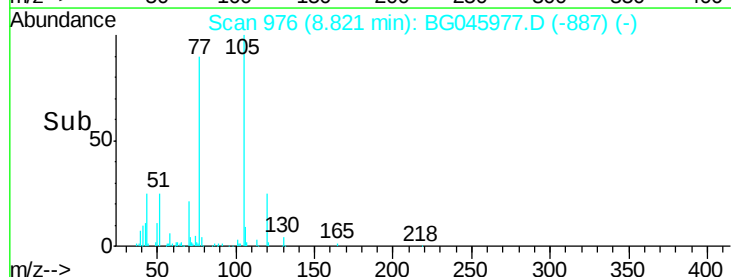
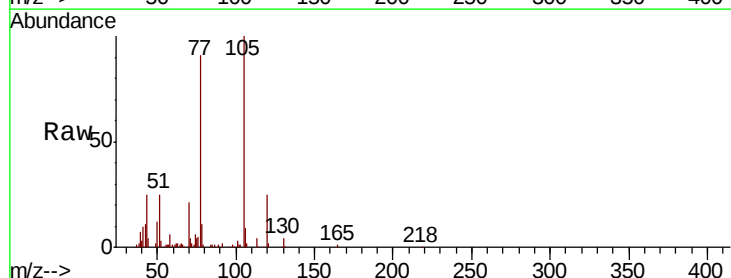
Manual Integrations
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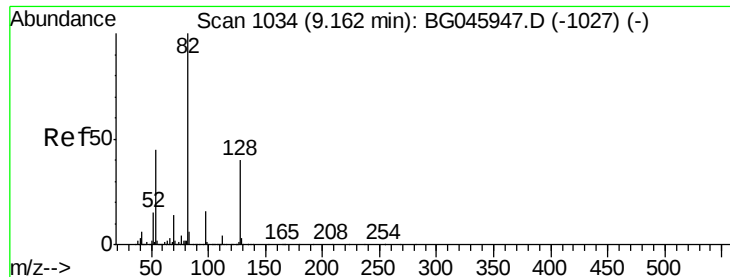
mohammad
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#22
Acetophenone
Concen: 4.690 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	71941		
71	4.0	6.2	9.2#	
51	25.4	19.7	29.5	
120	24.7	19.2	28.8	





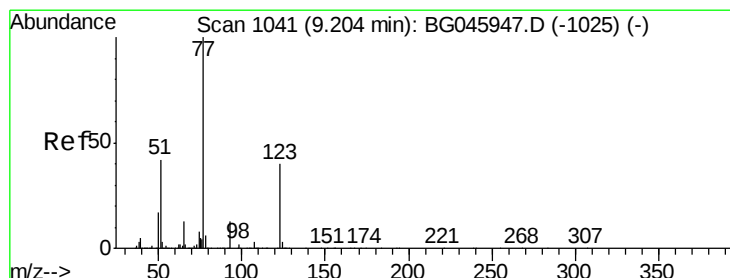
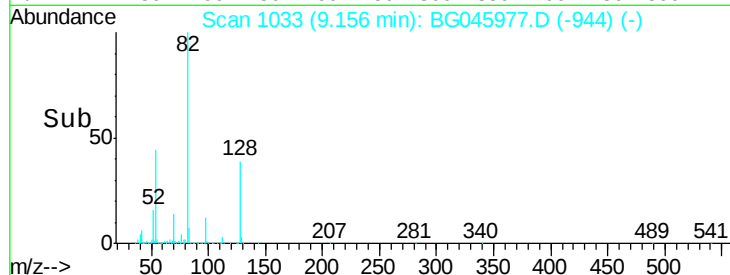
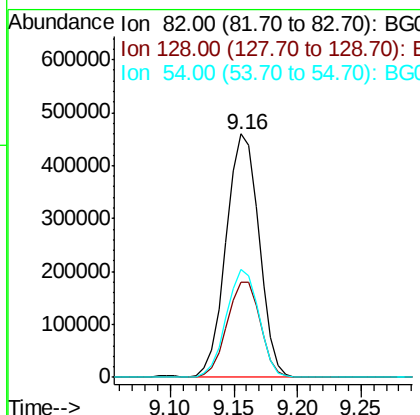
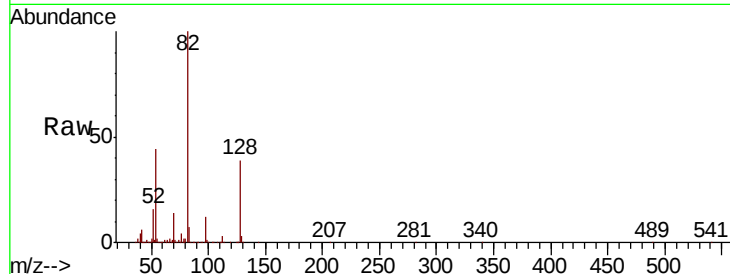
#23
 Nitrobenzene-d5
 Concen: 82.609 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	82	Resp	824168
Ion Ratio	100	Lower	Upper
82	100		
128	39.2	32.2	48.4
54	44.5	35.8	53.6

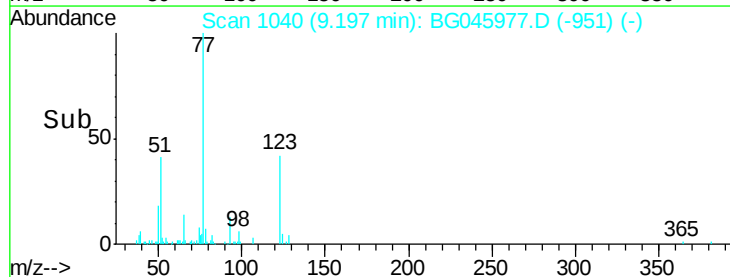
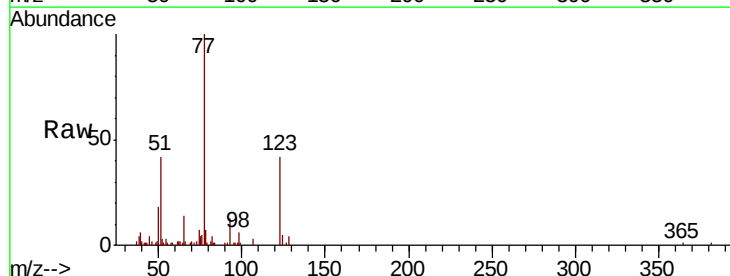
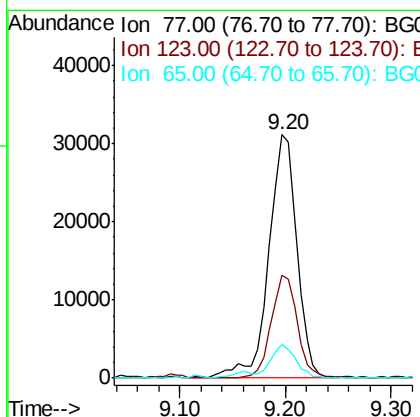
Manual Integrations
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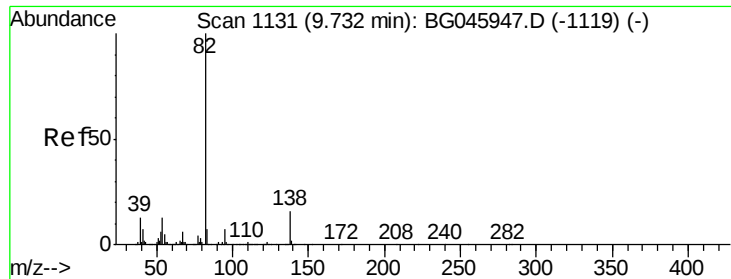
mohammad
 7/10/2020 11:45:36 AM



#24
 Nitrobenzene
 Concen: 5.206 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

Tgt Ion	77	Resp	57323
Ion Ratio	100	Lower	Upper
77	100		
123	42.2	32.7	49.1
65	13.6	10.2	15.4





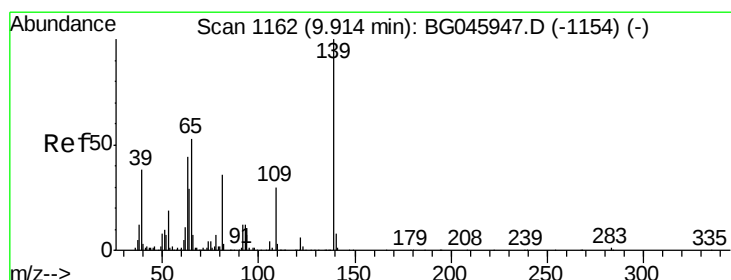
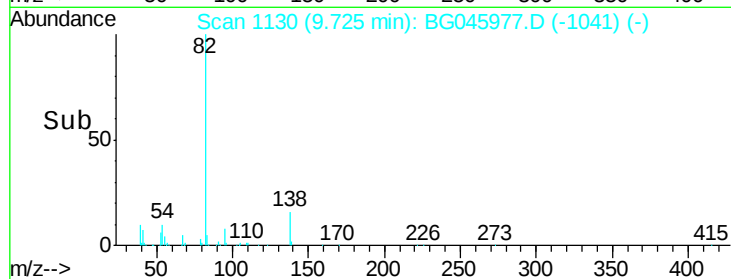
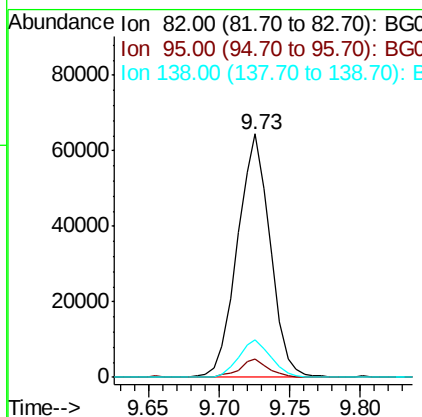
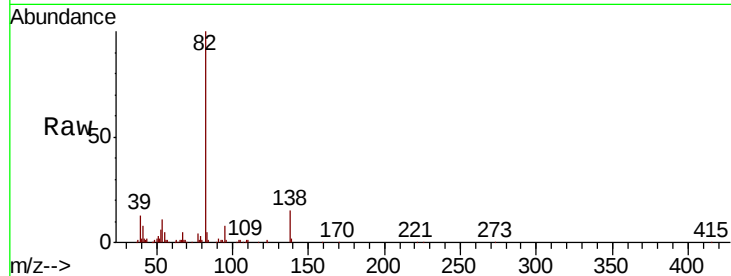
#25
Isophorone
Concen: 4.282 ng
RT: 9.73 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	82	Resp	104301
Ion Ratio	Lower	Upper	
82	100		
95	7.7	5.8	8.6
138	15.4	12.9	19.3

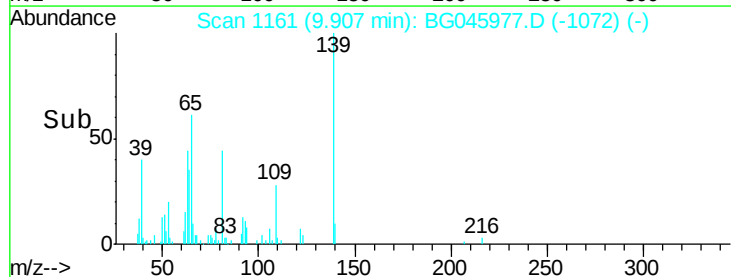
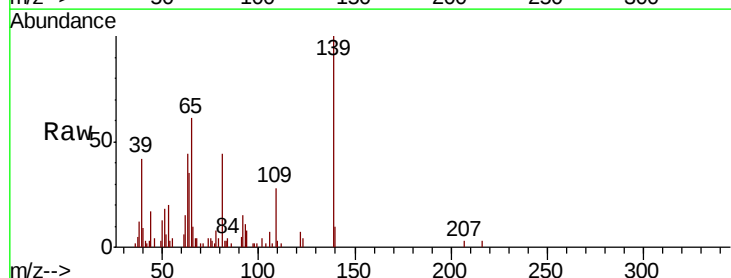
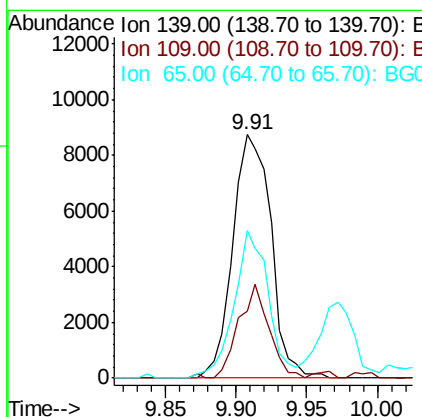
Manual Integrations
APPROVED

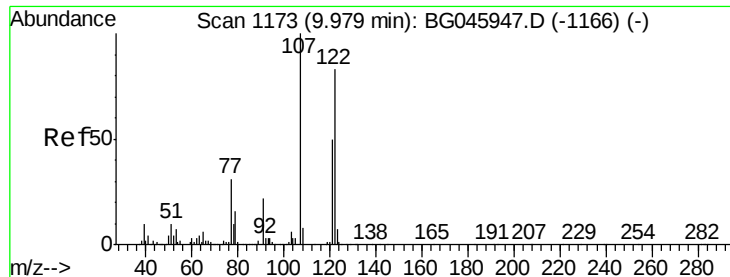
mohammad
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#26
2-Nitrophenol
Concen: 4.619 ng
RT: 9.91 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	139	Resp	16578
Ion Ratio	Lower	Upper	
139	100		
109	27.5	24.6	37.0
65	60.9	42.6	64.0





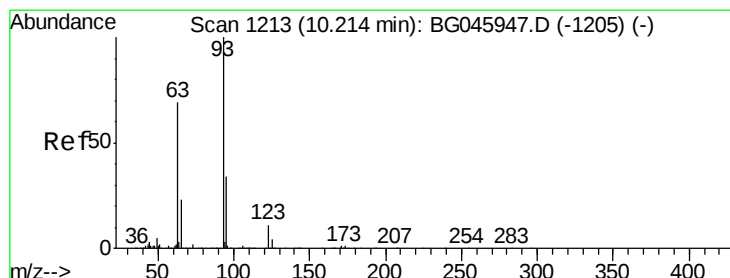
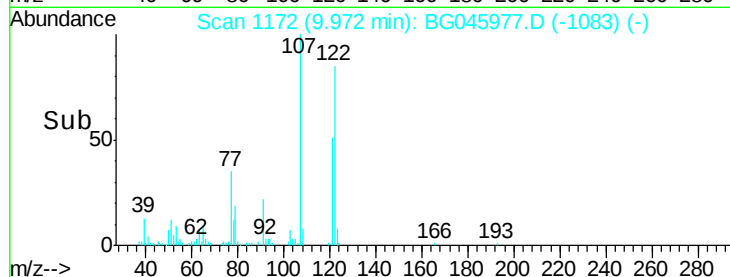
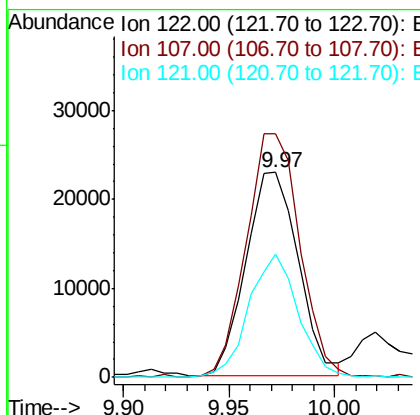
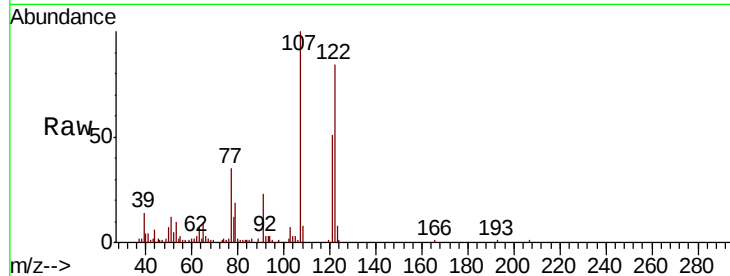
#27
2,4-Dimethylphenol
Concen: 4.565 ng
RT: 9.97 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
122	100		
107	118.7	95.6	143.4
121	60.4	47.7	71.5

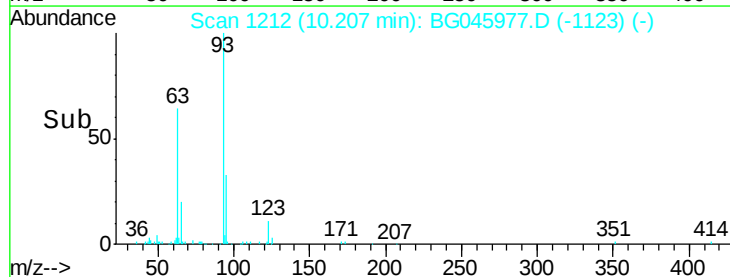
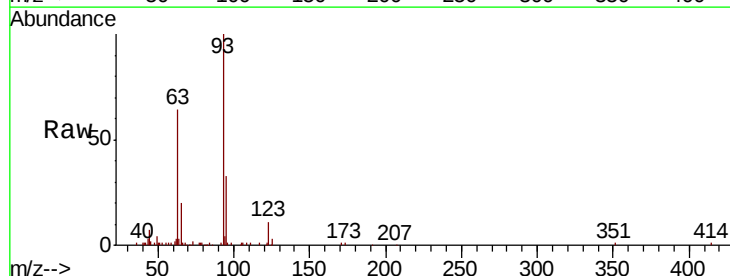
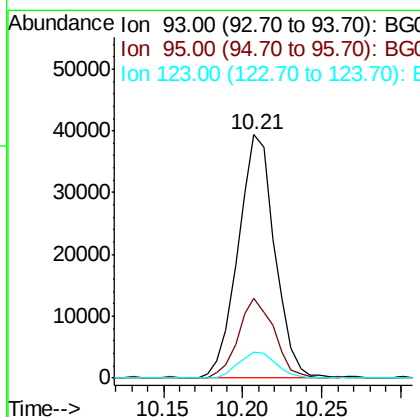
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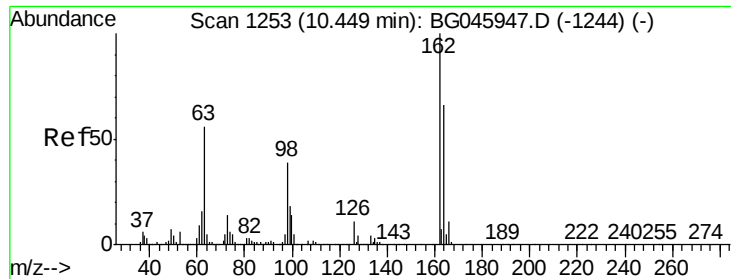
mohammad
7/10/2020 11:45:36 AM



#28
bis(2-Chloroethoxy)methane
Concen: 4.617 ng
RT: 10.21 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.0	27.5	41.3
123	10.8	9.2	13.8





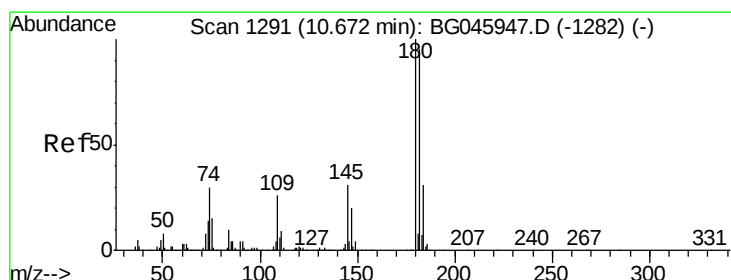
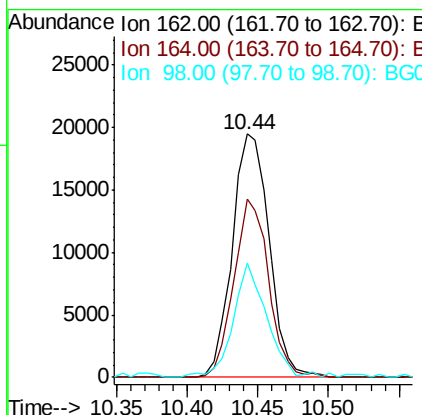
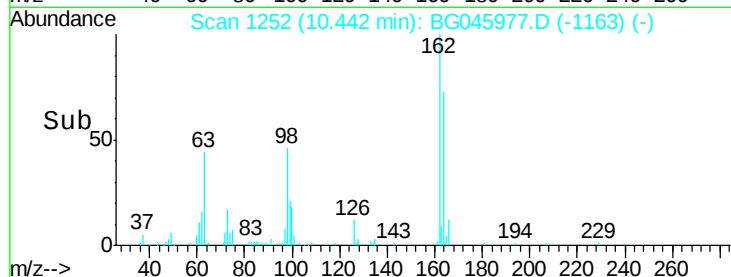
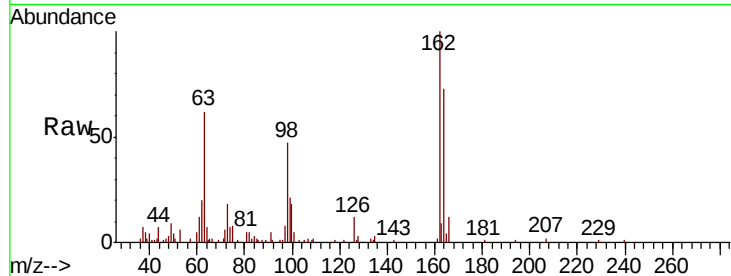
#29
2,4-Dichlorophenol
Concen: 3.955 ng
RT: 10.44 min Scan# 1252
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
162	100		
164	73.1	46.0	86.0
98	47.2	19.2	59.2

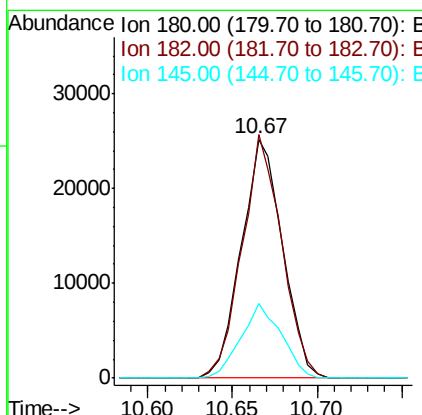
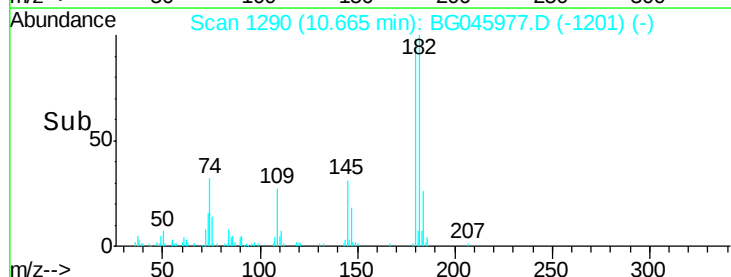
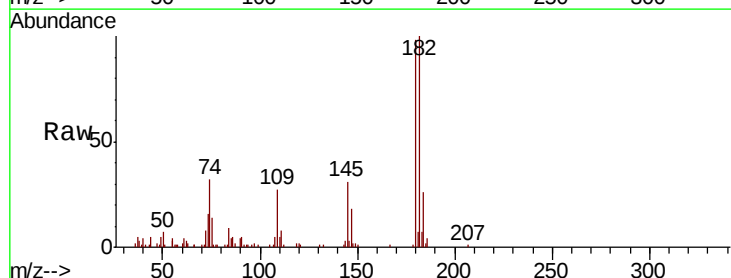
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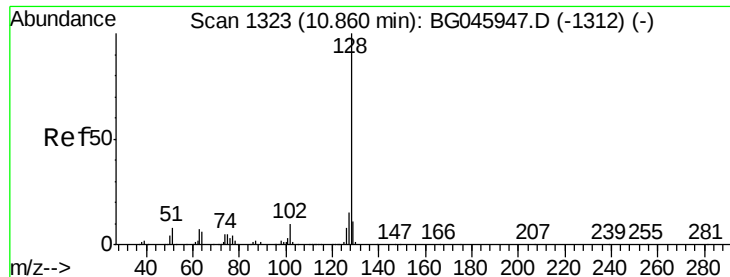
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 4.296 ng
RT: 10.67 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.9	76.3	114.5
145	31.5	24.8	37.2





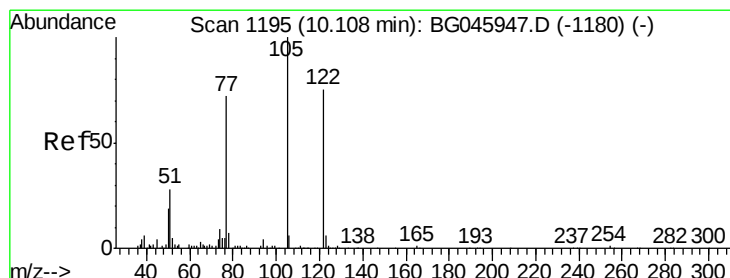
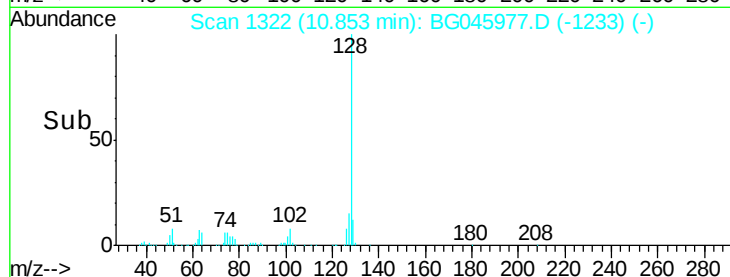
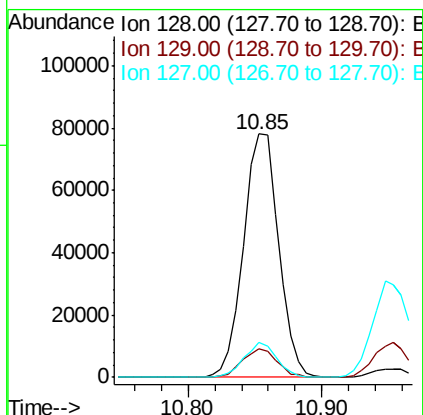
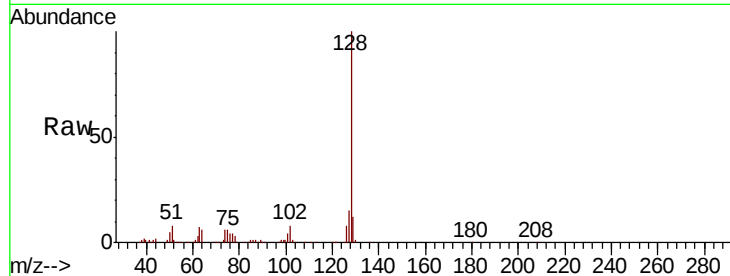
#31
Naphthalene
Concen: 4.601 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.2	13.8
127	14.5	11.8	17.6

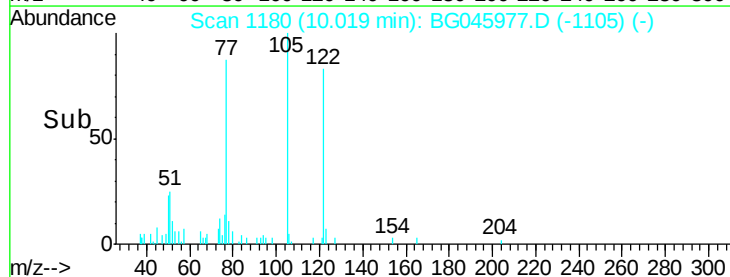
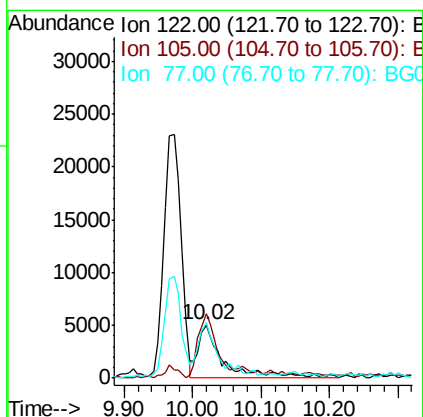
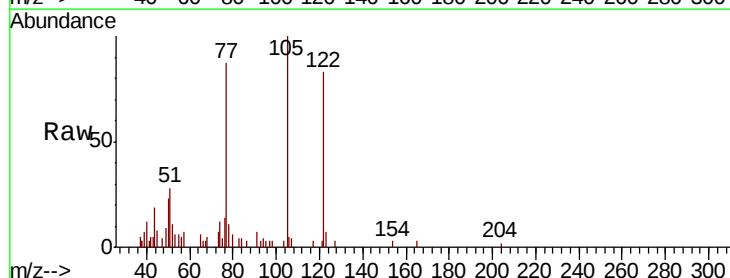
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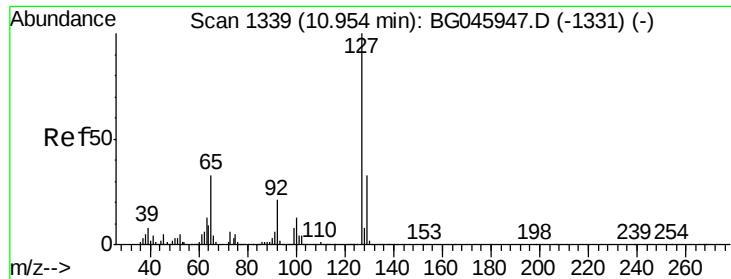
mohammad
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#32
Benzoic acid
Concen: 2.793 ng m
RT: 10.02 min Scan# 1180
Delta R.T. -0.09 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
122	100		
105	120.8	110.8	150.8
77	104.6	76.4	116.4





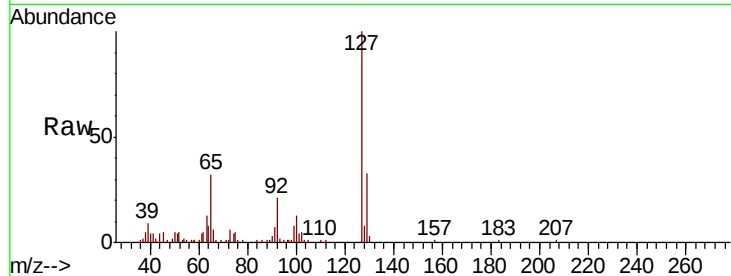
#33
4-Chloroaniline
Concen: 4.199 ng
RT: 10.95 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.6	39.8
65	32.4	26.8	40.2
92	21.0	17.0	25.4

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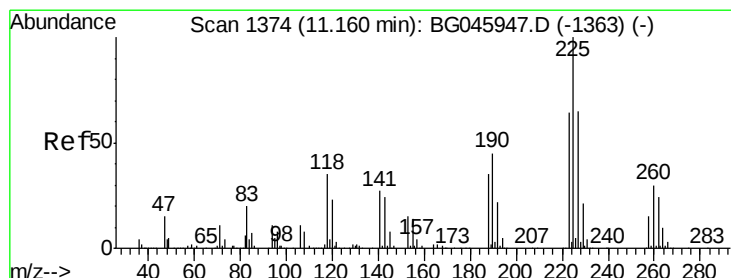
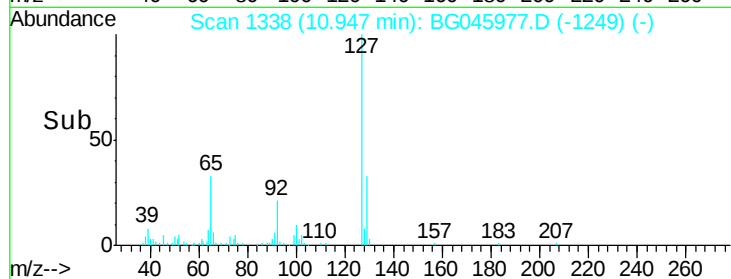
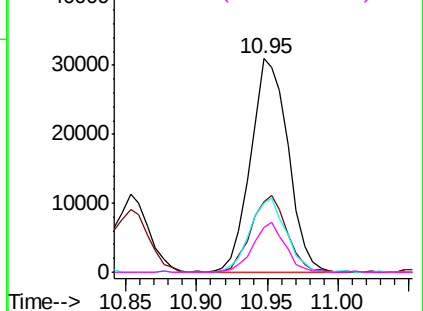
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

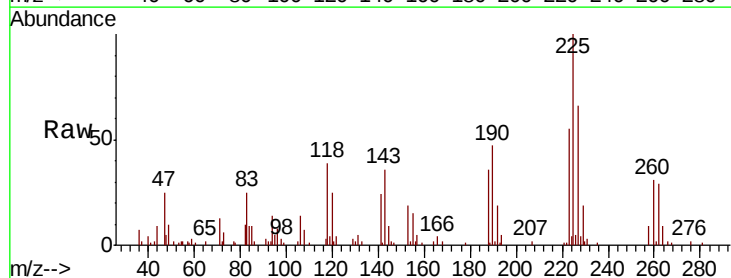
Ion 65.00 (64.70 to 65.70): BG

Ion 92.00 (91.70 to 92.70): BG



#34
Hexachlorobutadiene
Concen: 3.944 ng
RT: 11.15 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	54.8	51.2	76.8
227	65.7	52.3	78.5

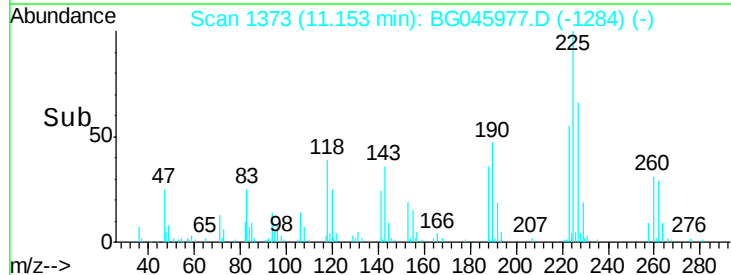
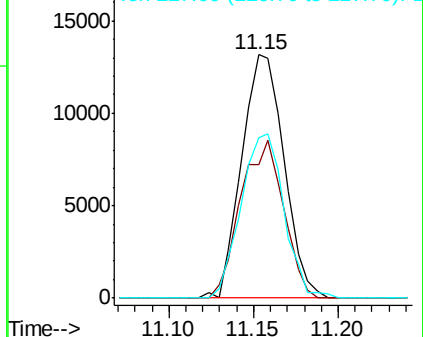


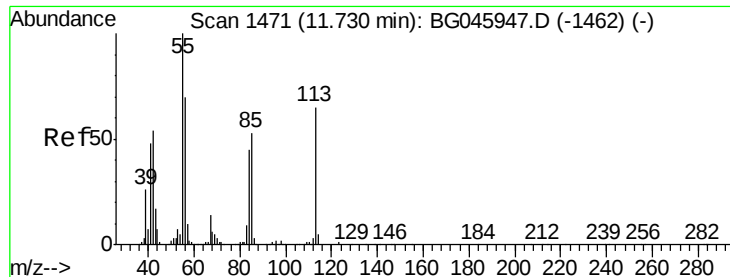
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 3.763 ng

RT: 11.69 min Scan# 1464

Delta R.T. -0.04 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

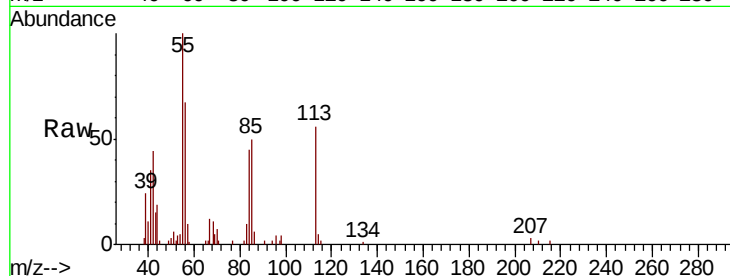
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	113	Resp:	12820
Ion Ratio	Lower	Upper	
113	100		
55	179.6	141.6	181.6
56	120.9	89.6	129.6

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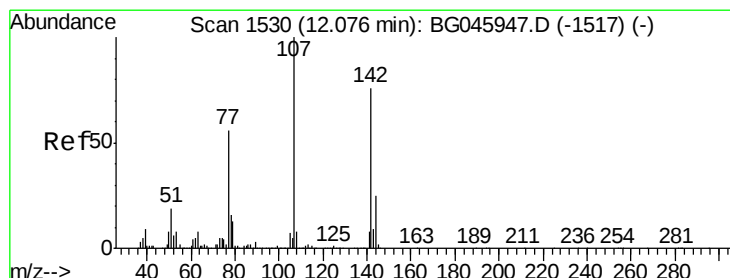
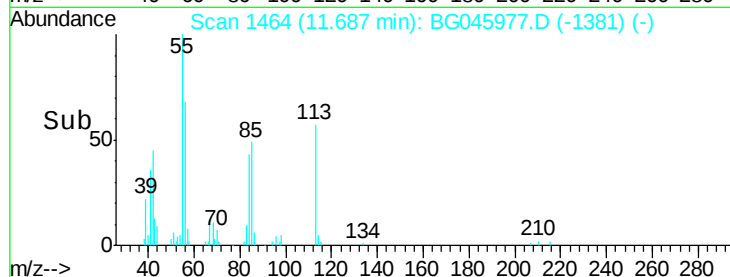
Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG045977.D (-1462) (-)

Ion 56.00 (55.70 to 56.70): BG045977.D (-1462) (-)

11.69

Time-->



#36

4-Chloro-3-methylphenol

Concen: 4.042 ng

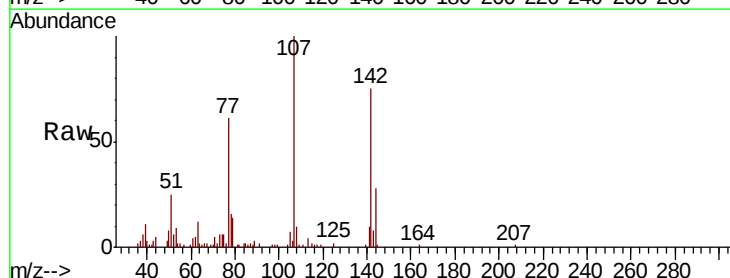
RT: 12.07 min Scan# 1529

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Tgt Ion:	107	Resp:	41312
Ion Ratio	Lower	Upper	
107	100		
144	27.7	20.0	30.0
142	74.5	61.1	91.7



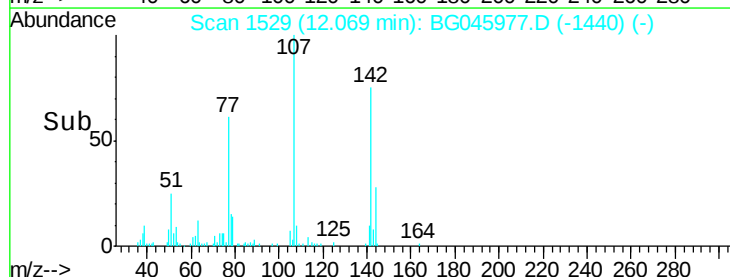
Abundance Ion 107.00 (106.70 to 107.70): E

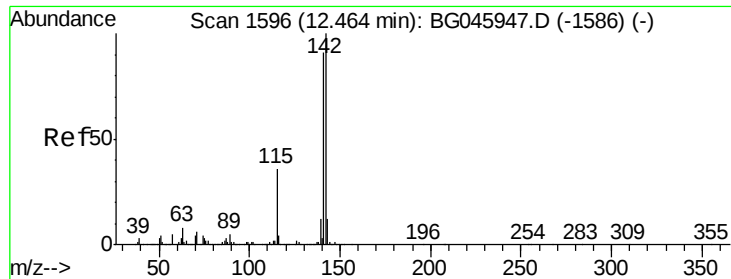
Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

12.07

Time-->





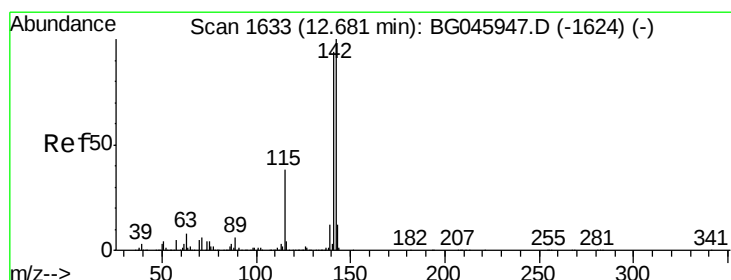
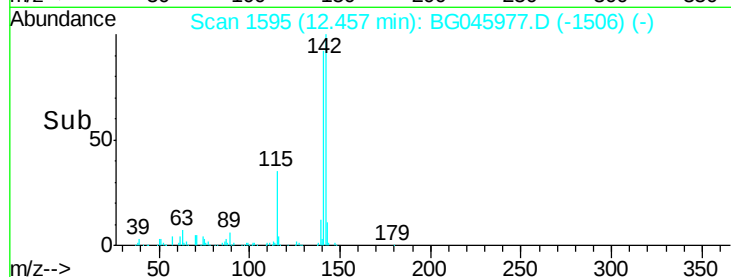
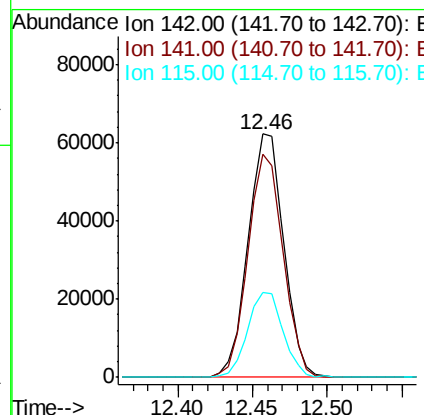
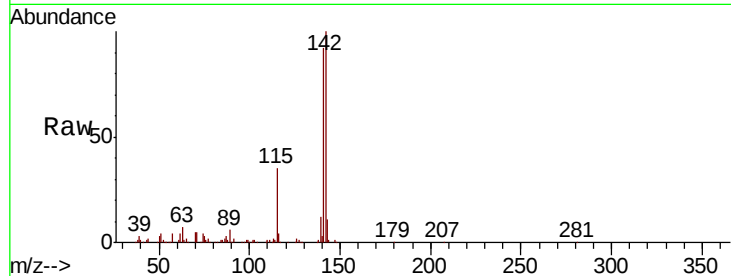
#37
2-Methylnaphthalene
Concen: 4.689 ng
RT: 12.46 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.0	109.6
115	35.0	28.8	43.2

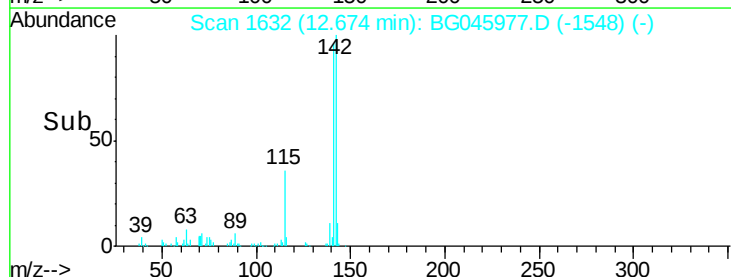
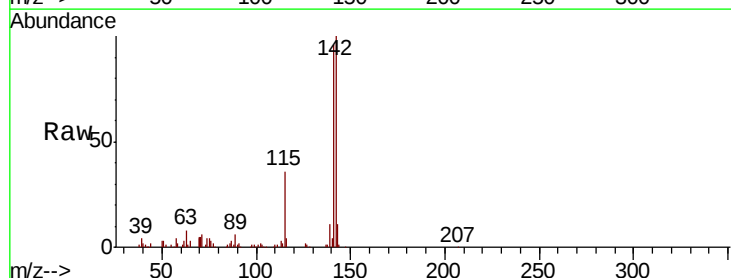
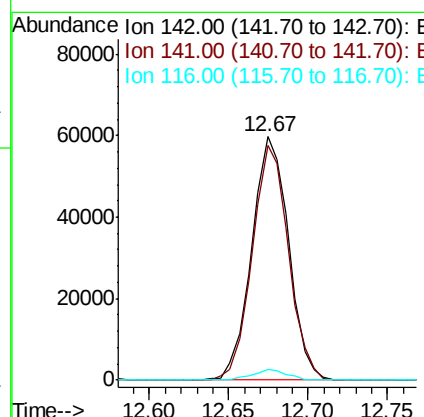
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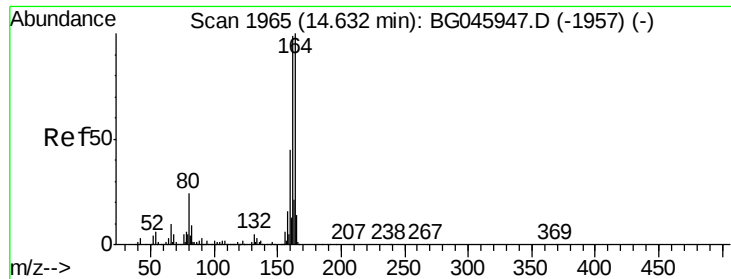
mohammad
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#38
1-Methylnaphthalene
Concen: 4.660 ng
RT: 12.67 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.2	75.2	112.8
116	4.3	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.00 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

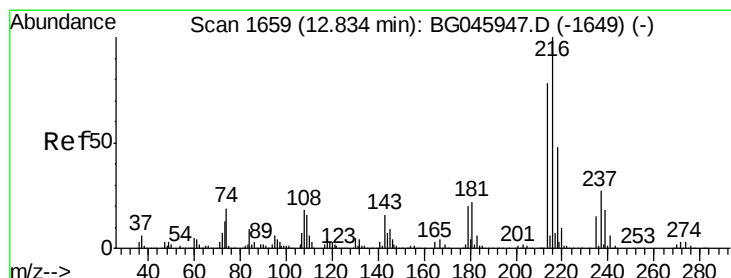
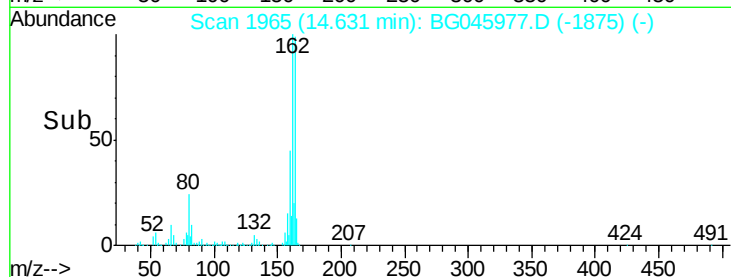
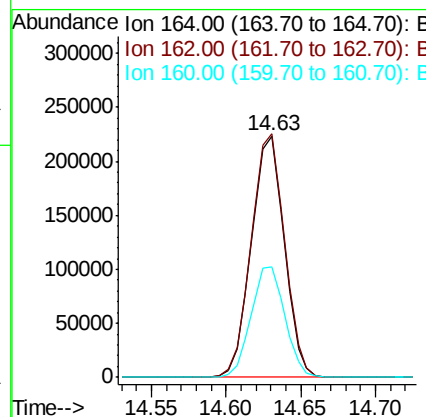
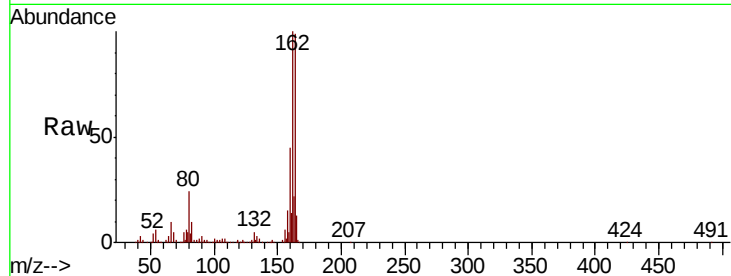
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	164	Resp:	340180
Ion Ratio	Lower	Upper	
164	100		
162	100.8	79.3	118.9
160	45.7	35.7	53.5

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.895 ng

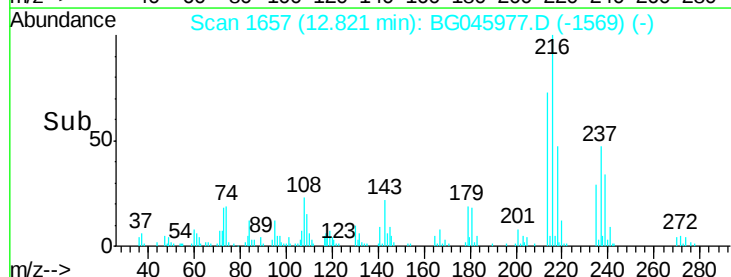
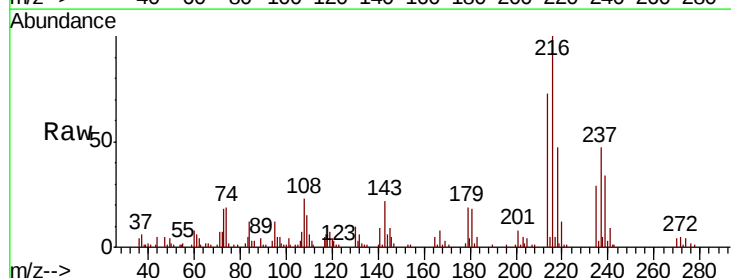
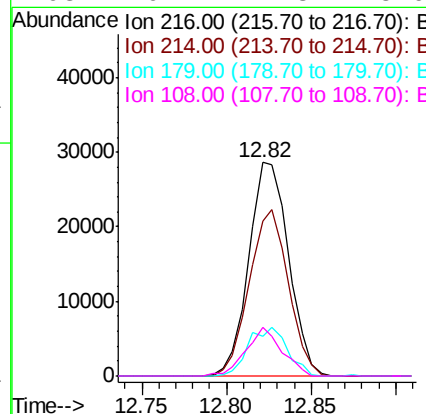
RT: 12.82 min Scan# 1657

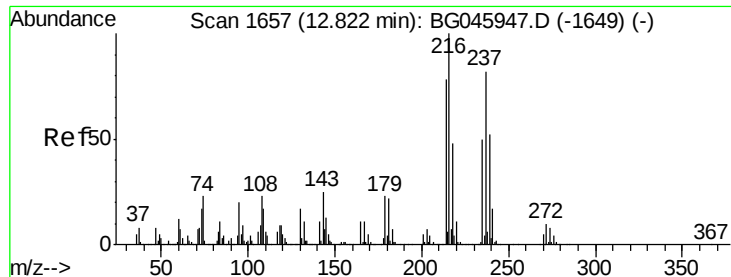
Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Tgt Ion:	216	Resp:	46940
Ion Ratio	Lower	Upper	
216	100		
214	76.6	63.0	94.4
179	22.5	17.0	25.6
108	20.4	17.3	25.9





#41

Hexachlorocyclopentadiene

Concen: 4.238 ng

RT: 12.82 min Scan# 1656

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

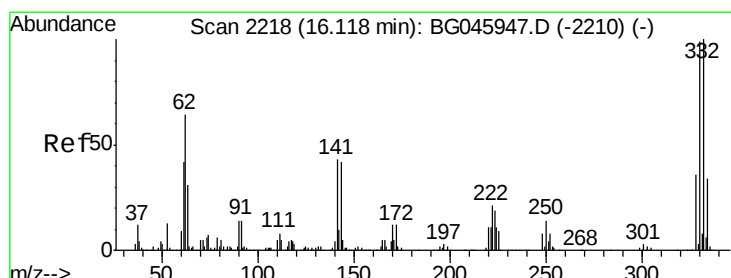
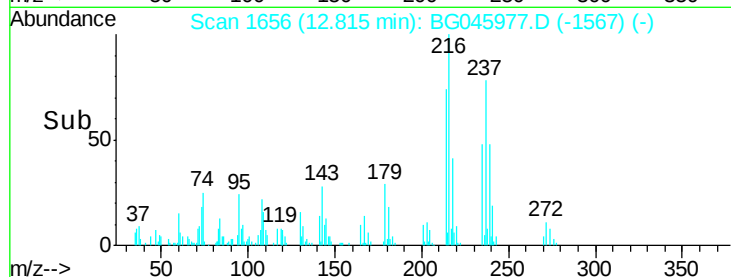
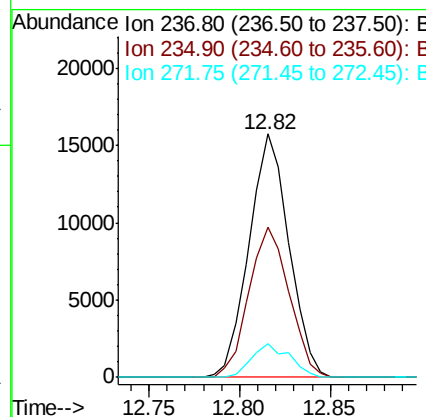
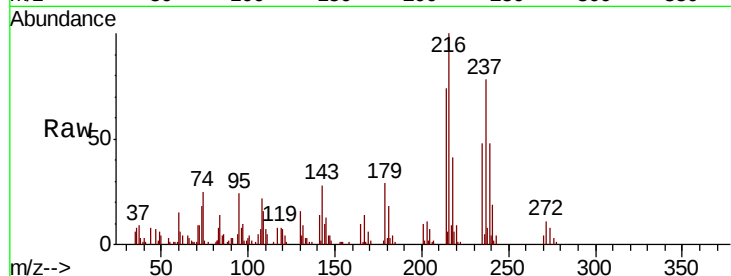
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	237	Resp:	24117
Ion Ratio	Lower	Upper	
237	100		
235	61.8	41.5	81.5
272	14.0	0.0	31.7

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#42

2,4,6-Tribromophenol

Concen: 103.100 ng

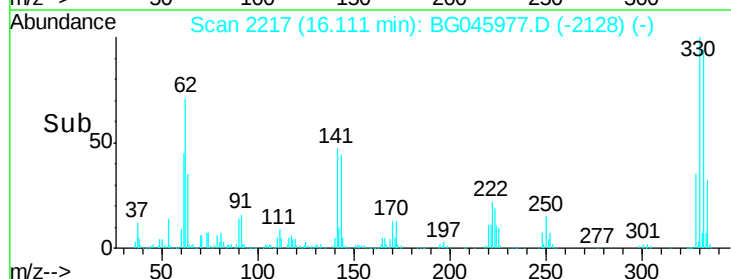
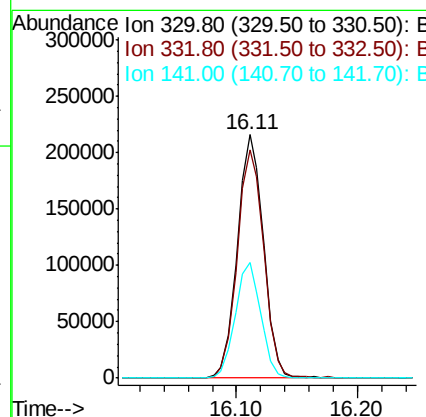
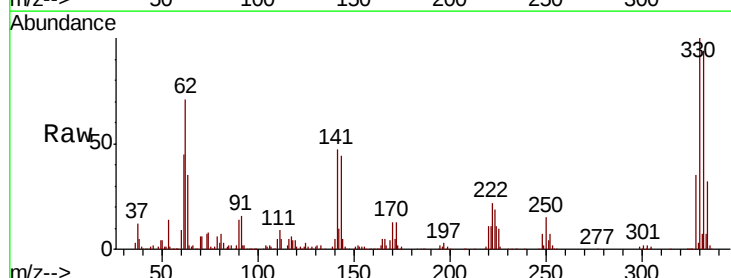
RT: 16.11 min Scan# 2217

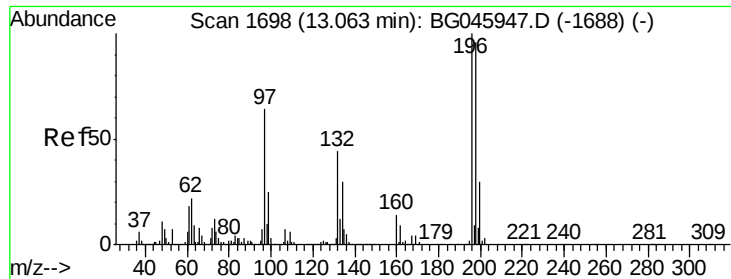
Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Tgt Ion:	330	Resp:	325511
Ion Ratio	Lower	Upper	
330	100		
332	95.1	78.3	117.5
141	46.6	36.6	54.8





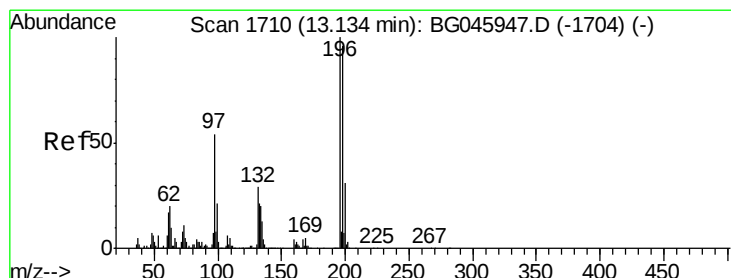
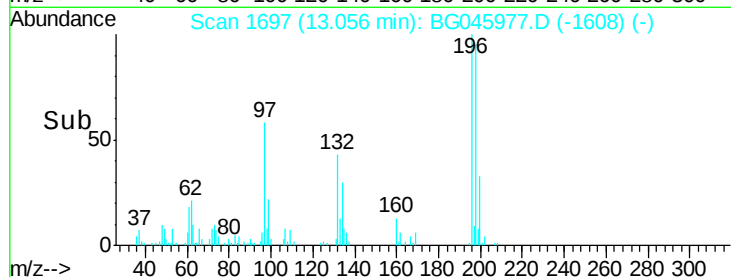
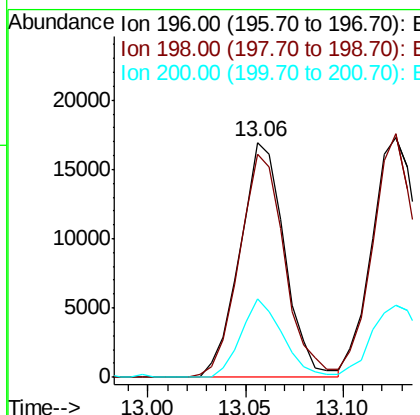
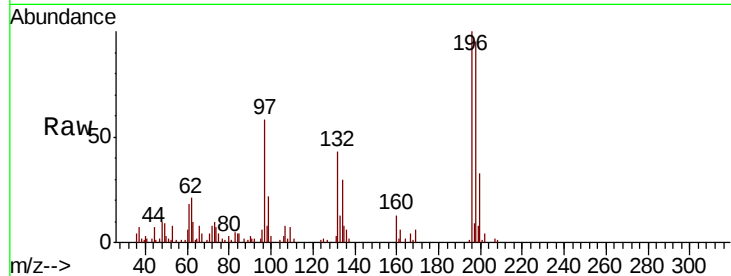
#43
 2,4,6-Trichlorophenol
 Concen: 4.160 ng
 RT: 13.06 min Scan# 1697
 Delta R.T. -0.01 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
196	100	26978		
198	94.8	76.7	115.1	
200	33.1	24.3	36.5	

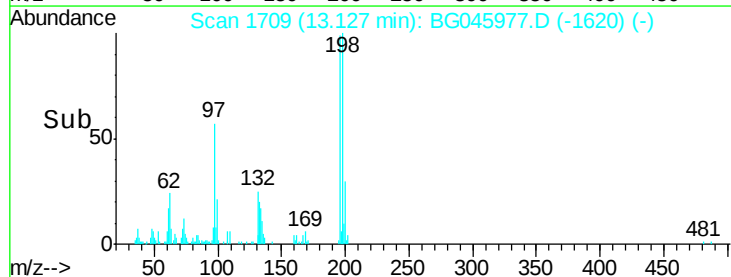
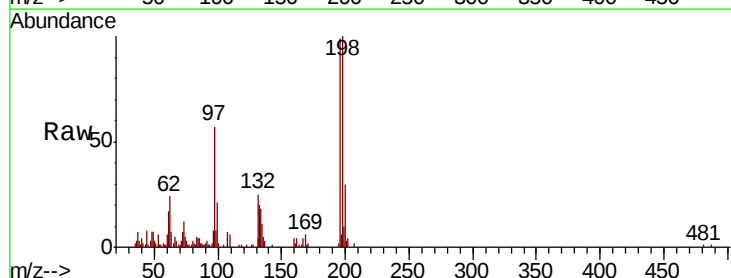
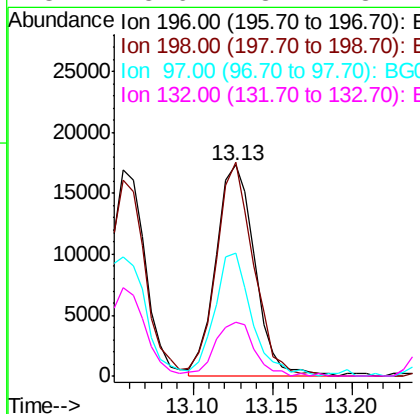
Manual Integrations
 APPROVED

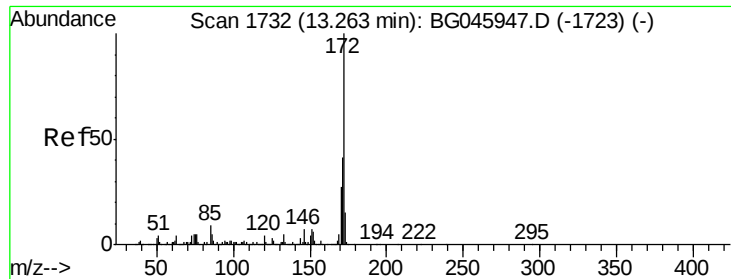
mohammad
 7/10/2020 11:45:36 AM



#44
 2,4,5-Trichlorophenol
 Concen: 4.039 ng
 RT: 13.13 min Scan# 1709
 Delta R.T. -0.01 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	29615		
198	101.3	77.0	115.6	
97	58.2	44.3	66.5	
132	25.6	23.1	34.7	





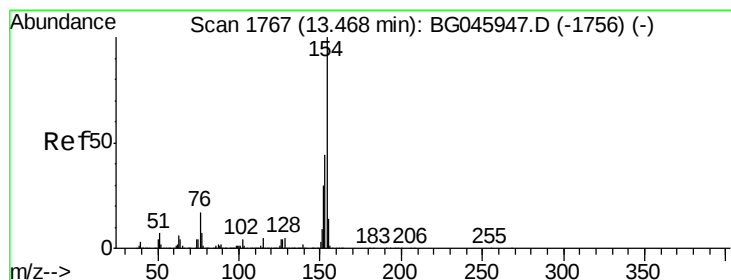
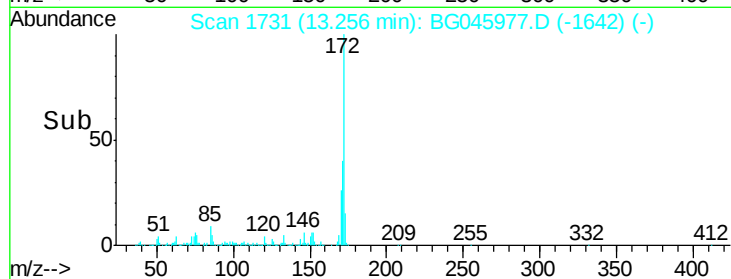
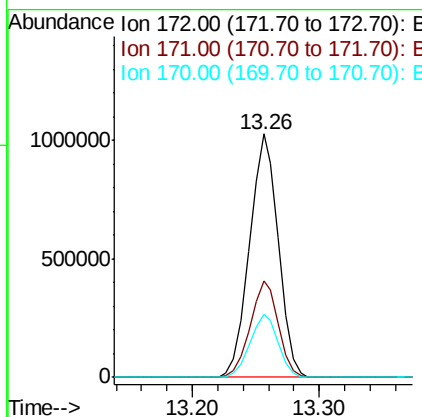
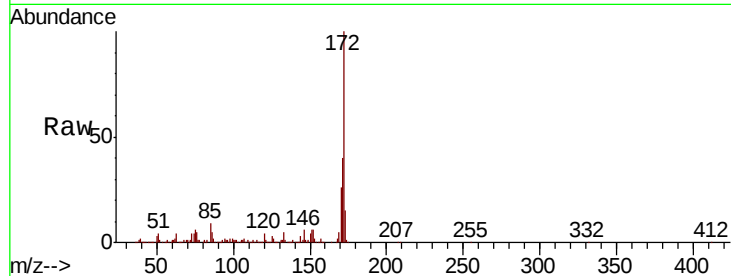
#45
2-Fluorobiphenyl
Concen: 74.058 ng
RT: 13.26 min Scan# 1731
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.8	32.9	49.3
170	26.1	21.8	32.6

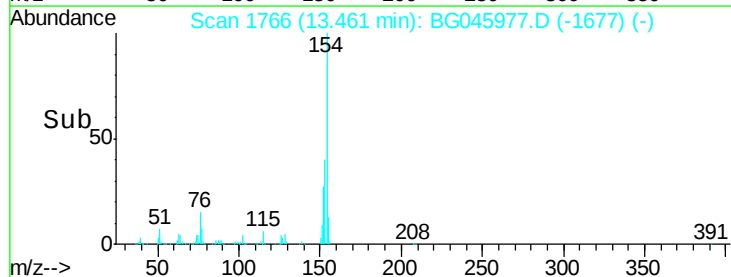
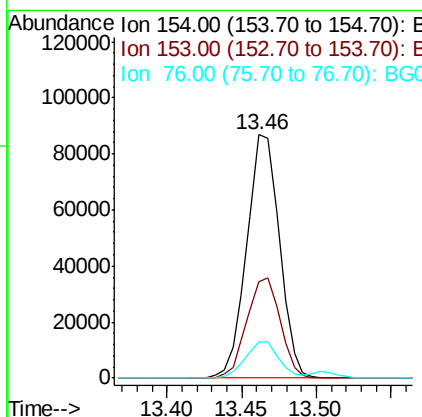
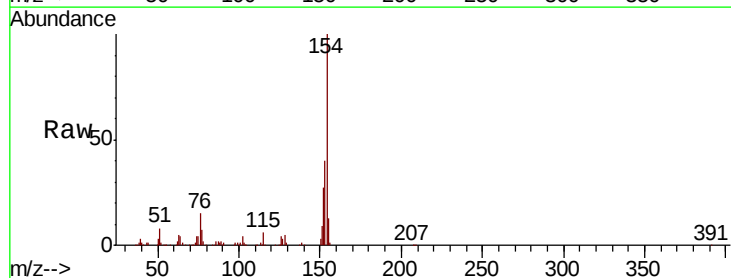
Manual Integrations
APPROVED

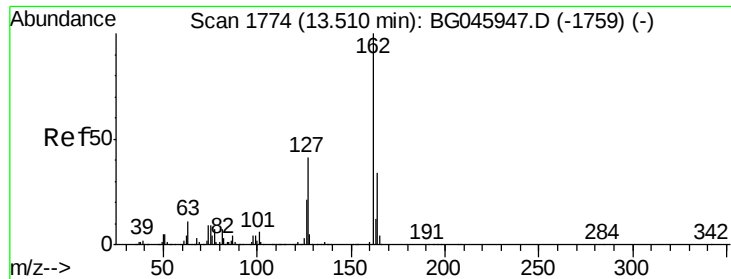
mohammad
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#46
1,1'-Biphenyl
Concen: 5.130 ng
RT: 13.46 min Scan# 1766
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.7	23.6	63.6
76	14.8	0.0	36.9





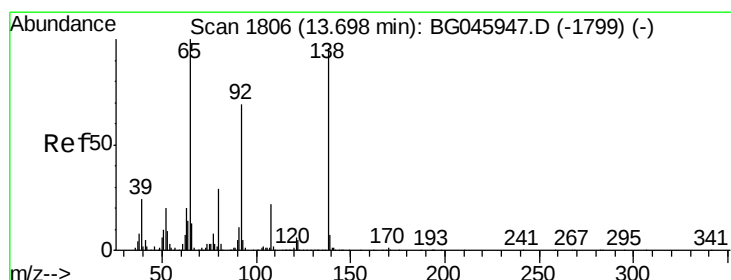
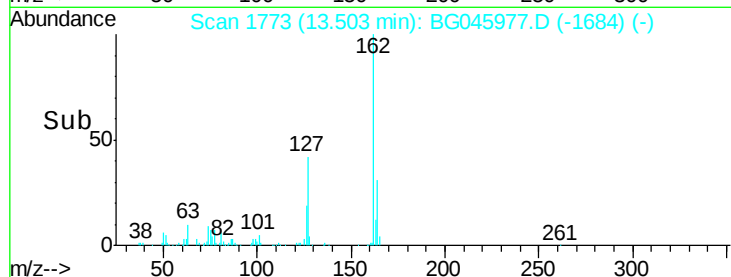
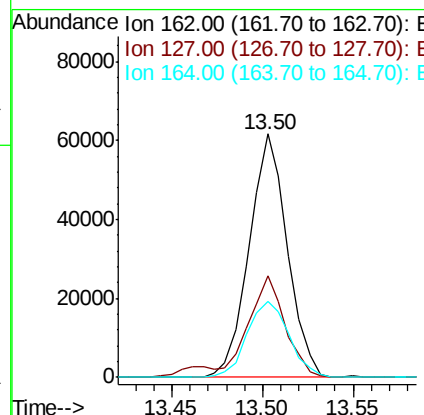
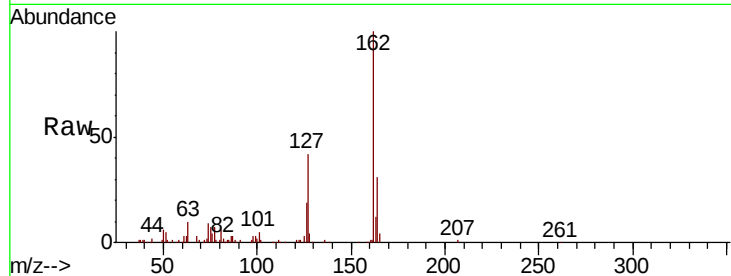
#47
2-Chloronaphthalene
Concen: 4.471 ng
RT: 13.50 min Scan# 1773
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.7	32.5	48.7
164	31.2	27.2	40.8

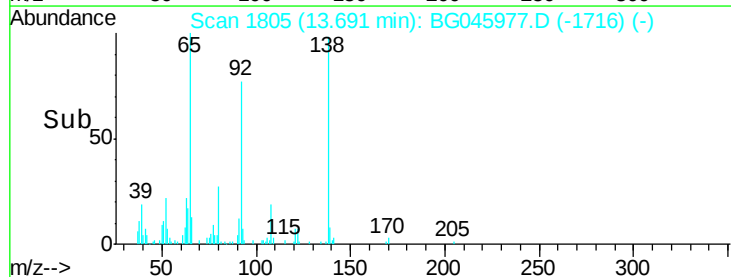
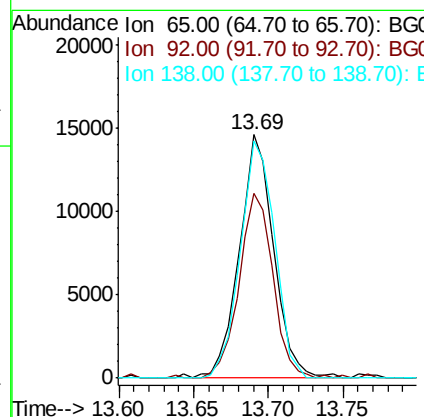
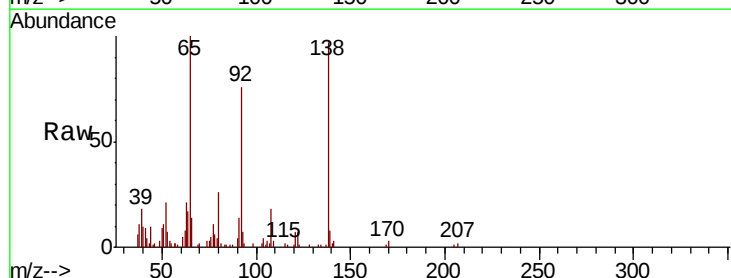
Manual Integrations
APPROVED

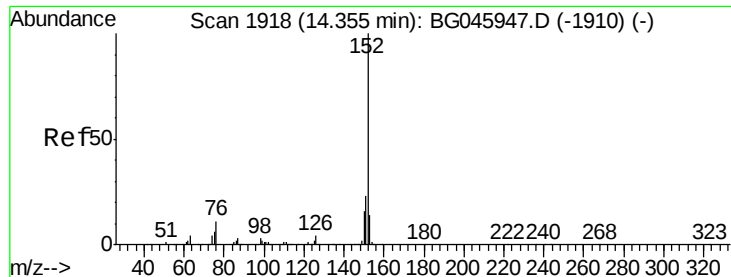
mohammad
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#48
2-Nitroaniline
Concen: 4.934 ng
RT: 13.69 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
65	100		
92	75.8	55.4	83.0
138	97.3	77.0	115.4





#49

Acenaphthylene

Concen: 4.646 ng

RT: 14.35 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

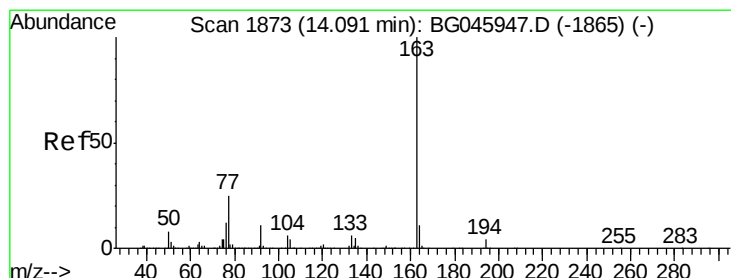
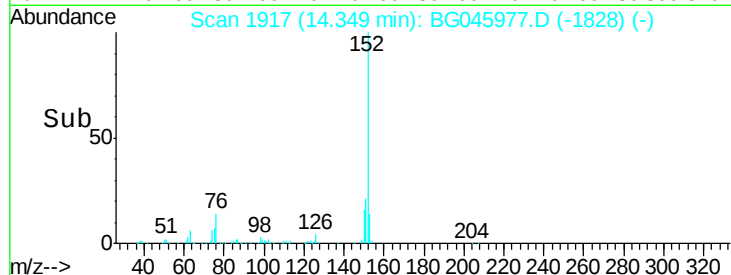
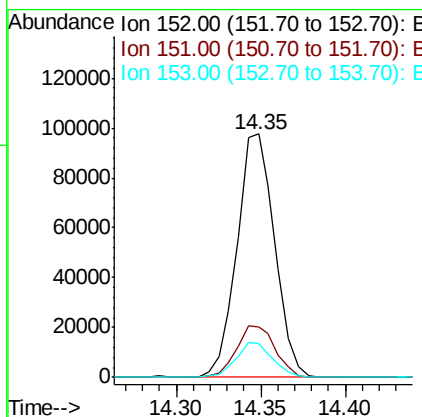
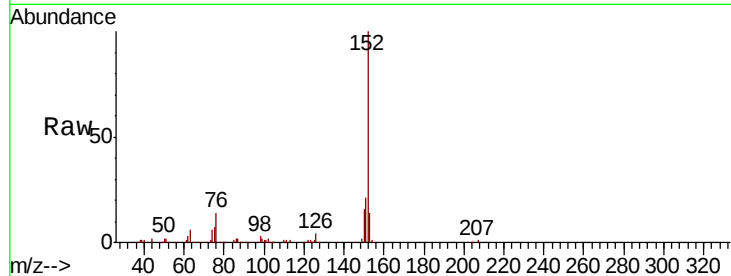
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	152	Resp:	151360
Ion Ratio	Lower	Upper	
152	100		
151	20.8	18.1	27.1
153	13.9	11.5	17.3

Manual Integrations
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#50

Dimethylphthalate

Concen: 4.418 ng

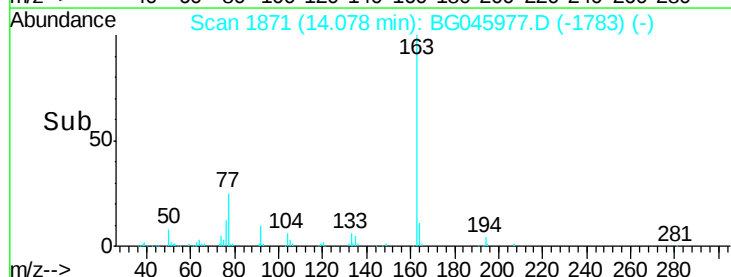
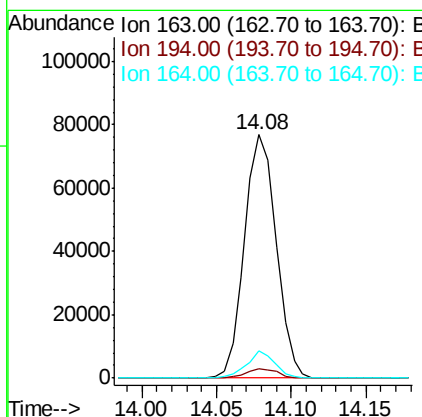
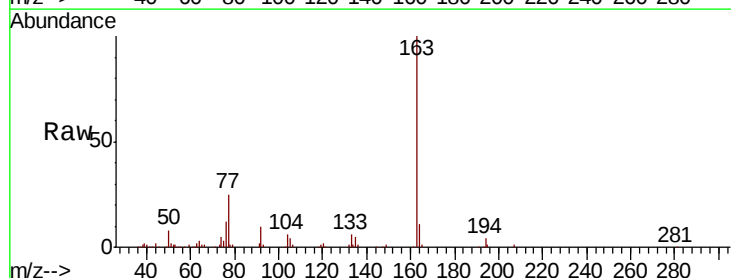
RT: 14.08 min Scan# 1871

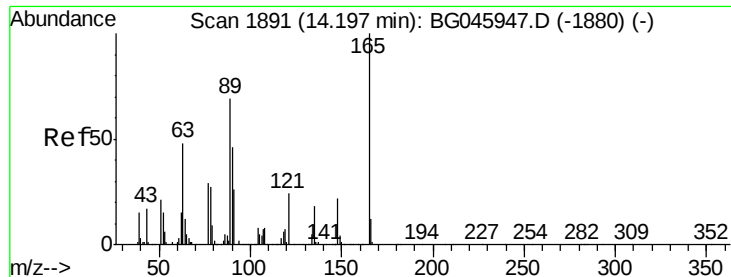
Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Tgt Ion:	163	Resp:	112780
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.6	5.4
164	11.2	8.9	13.3





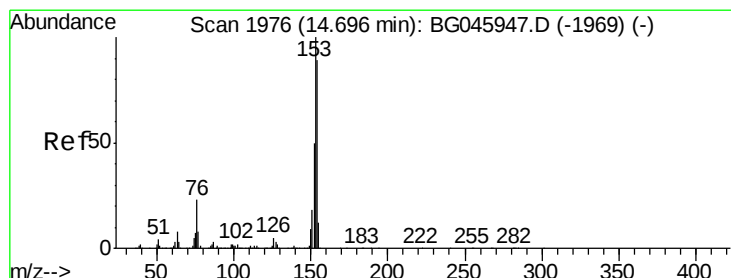
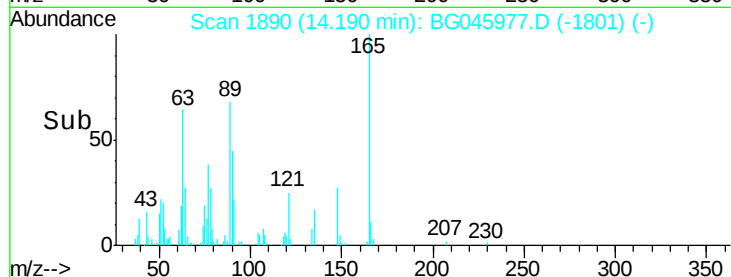
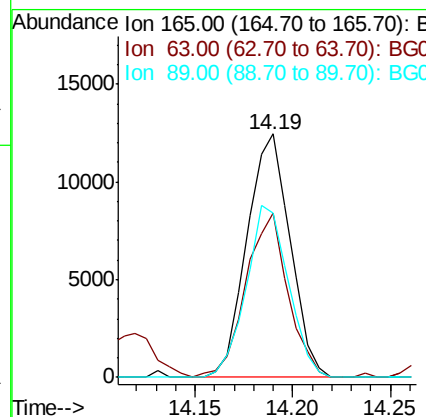
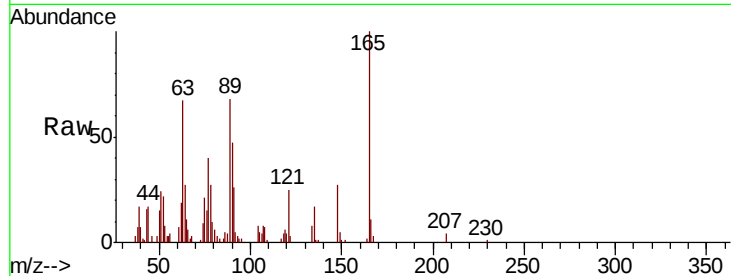
#51
2,6-Dinitrotoluene
Concen: 4.800 ng
RT: 14.19 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
165	100		
63	67.5	51.0	76.4
89	67.7	55.7	83.5

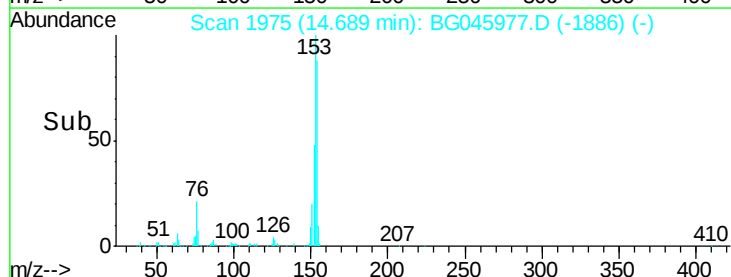
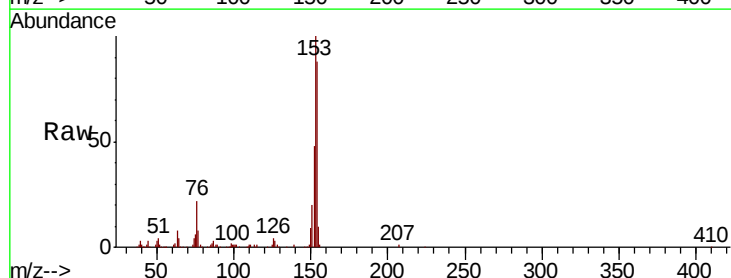
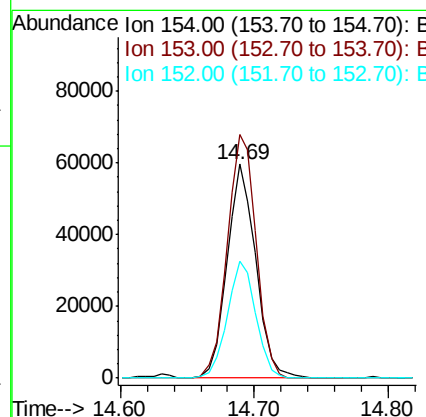
Manual Integrations
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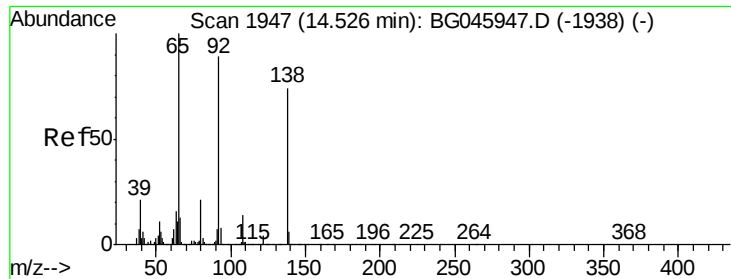
mohammad
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#52
Acenaphthene
Concen: 4.387 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.8	89.7	134.5
152	54.3	44.7	67.1





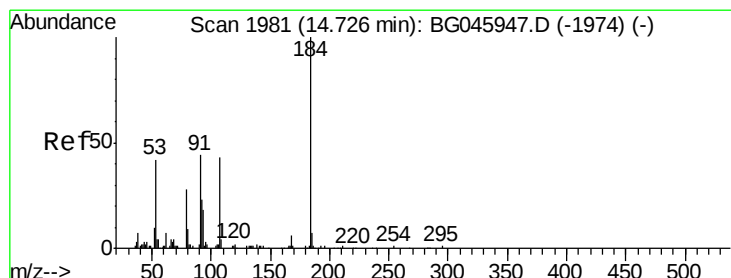
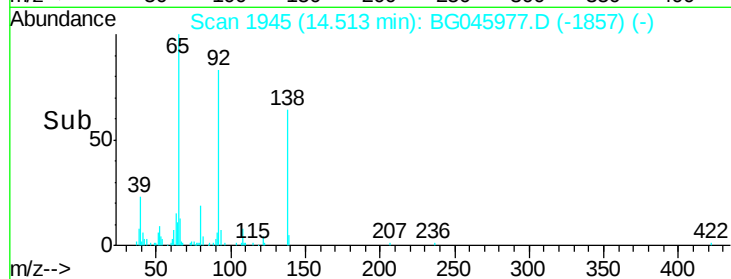
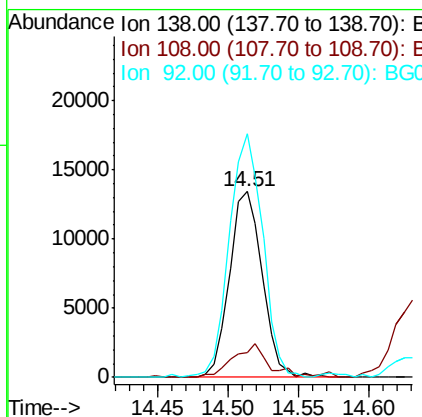
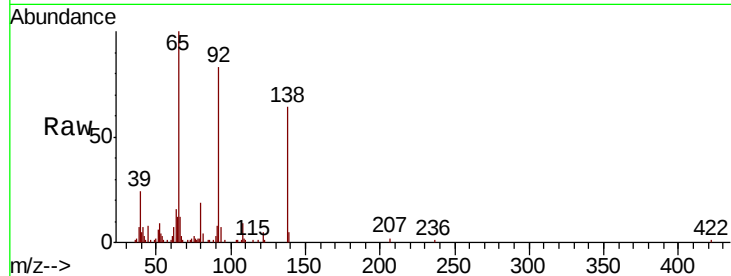
#53
3-Nitroaniline
Concen: 4.417 ng
RT: 14.51 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
138	100		
108	13.5	15.4	23.2#
92	131.1	95.9	143.9

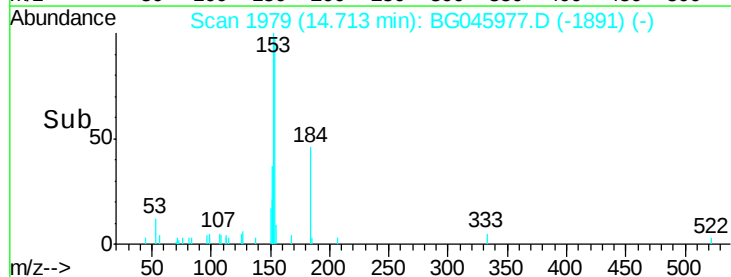
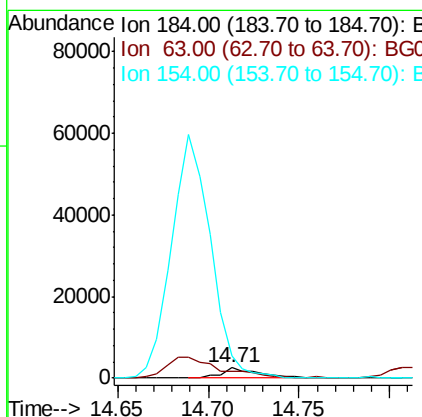
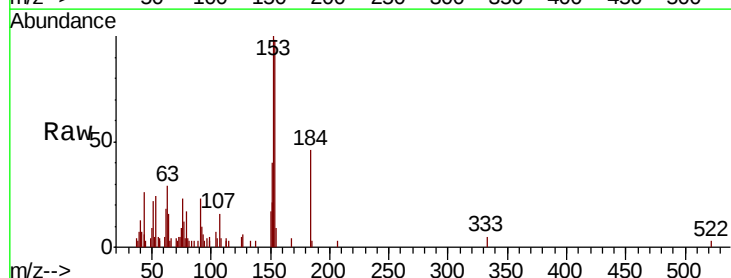
Manual Integrations
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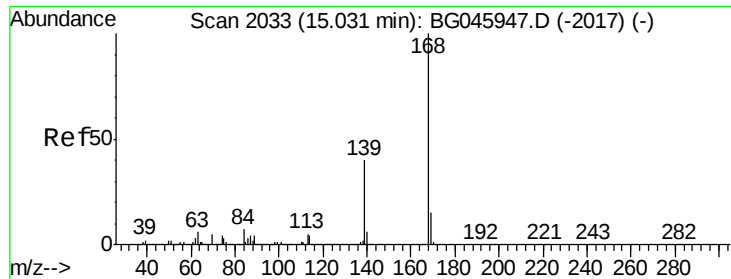
mohammad
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#54
2,4-Dinitrophenol
Concen: 2.551 ng
RT: 14.71 min Scan# 1979
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
184	100		
63	64.2	46.0	69.0
154	215.5	58.2	87.2#





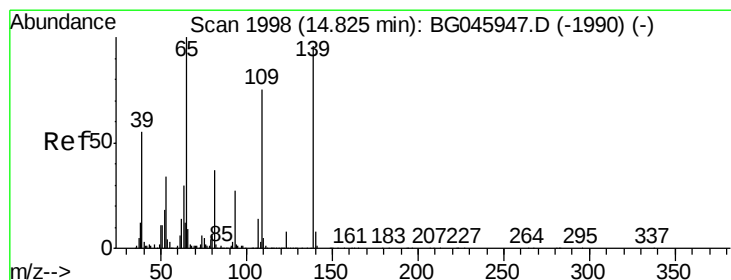
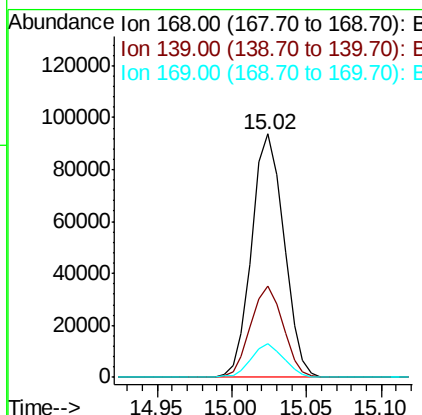
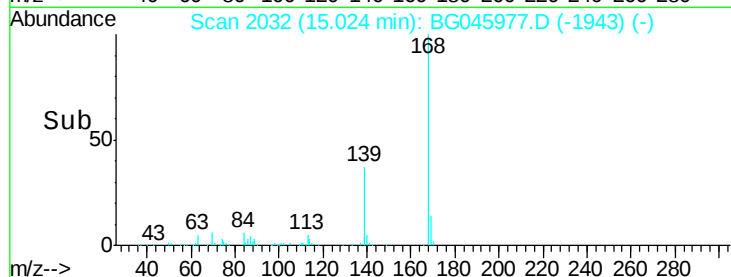
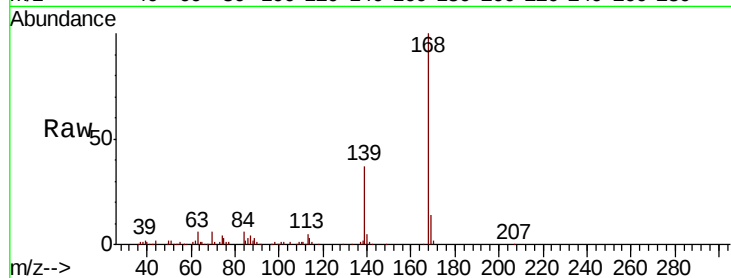
#55
Dibenzofuran
Concen: 4.647 ng
RT: 15.02 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.3	32.2	48.2
169	13.9	11.8	17.8

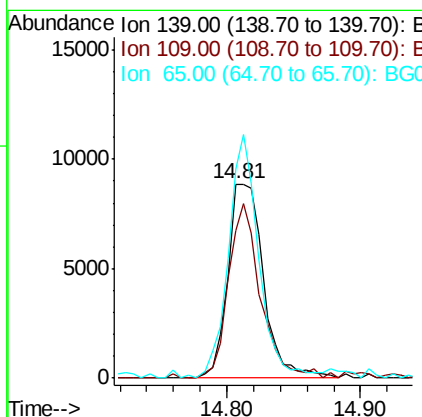
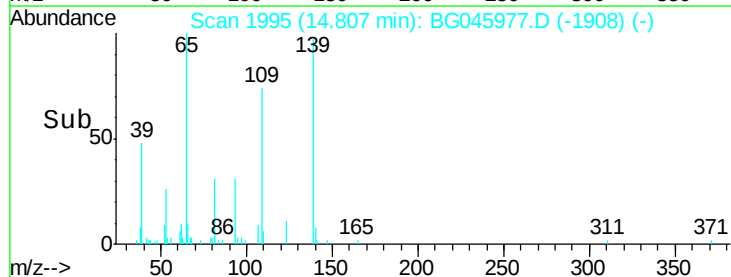
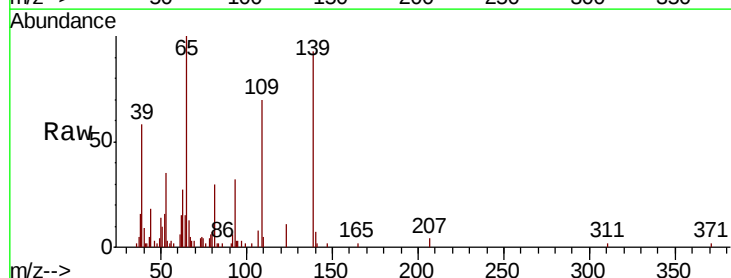
Manual Integrations
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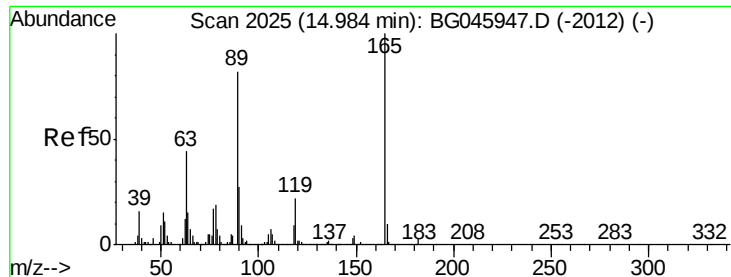
mohammad
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#56
4-Nitrophenol
Concen: 3.989 ng
RT: 14.81 min Scan# 1995
Delta R.T. -0.02 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
139	100		
109	75.9	58.5	98.5
65	107.8	84.7	124.7





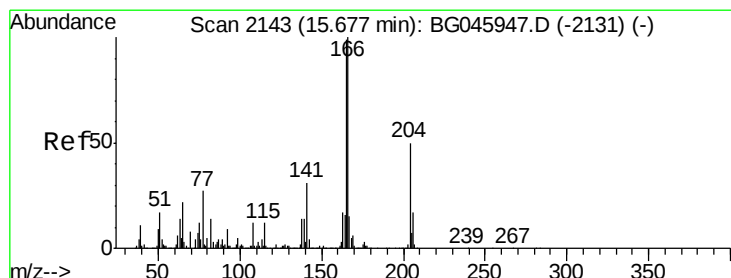
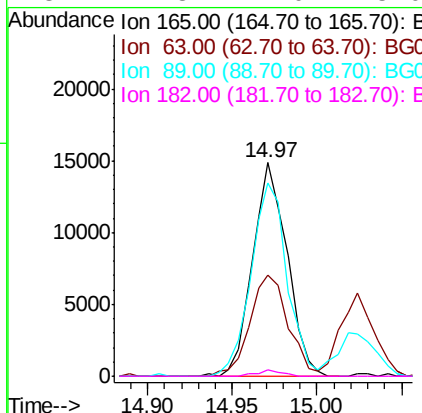
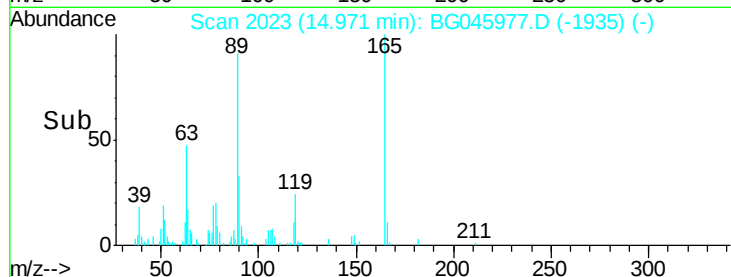
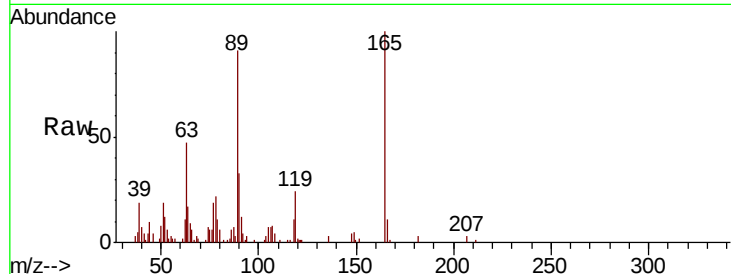
#57
2,4-Dinitrotoluene
Concen: 4.302 ng
RT: 14.97 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
165	100		
63	47.4	35.4	53.0
89	90.6	65.4	98.2
182	2.8	2.0	3.0

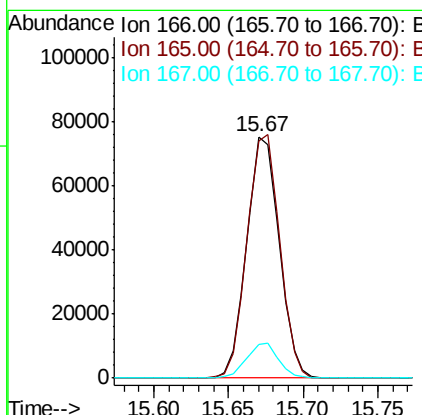
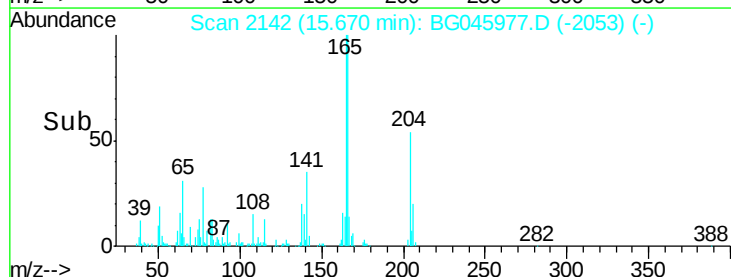
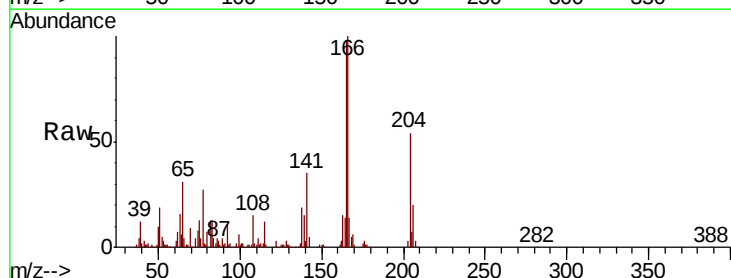
Manual Integrations
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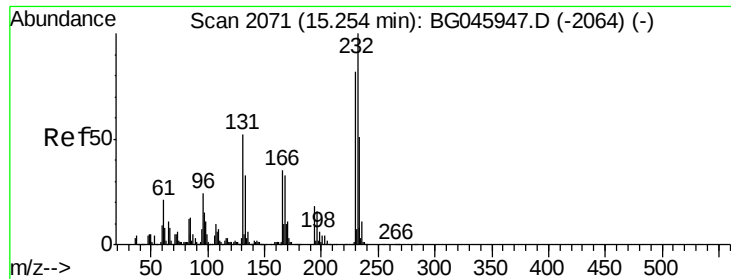
mohammad
7/10/2020 11:45:36 AM



#58
Fluorene
Concen: 4.577 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.9	118.3
167	13.8	12.1	18.1





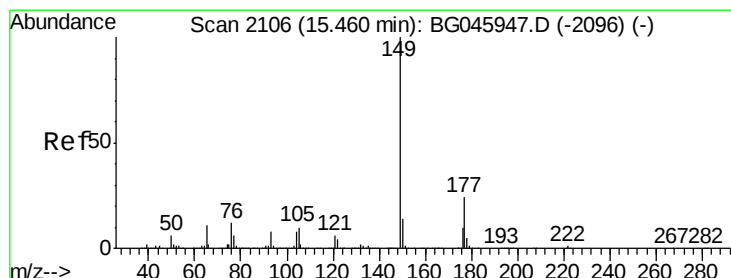
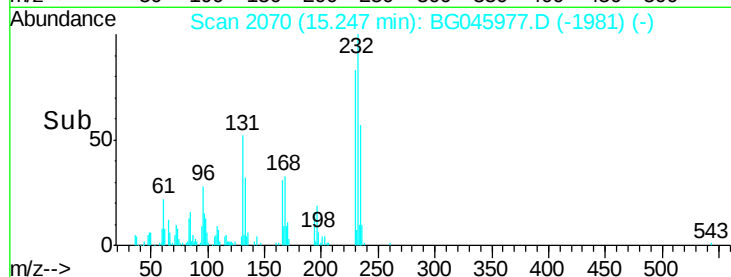
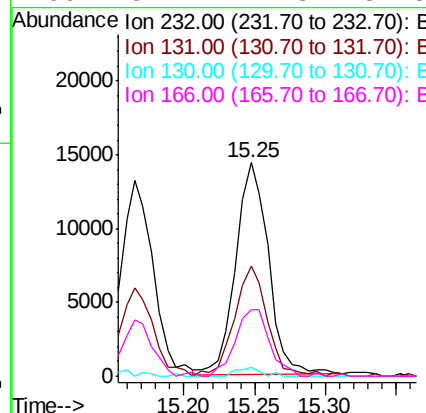
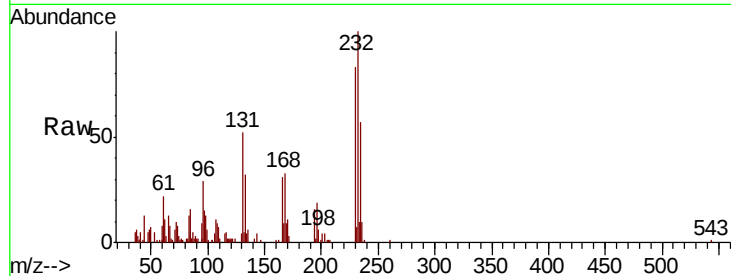
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 4.131 ng
 RT: 15.25 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
232	100		
131	52.1	35.8	53.6
130	3.1	2.5	3.7
166	32.4	21.8	32.8

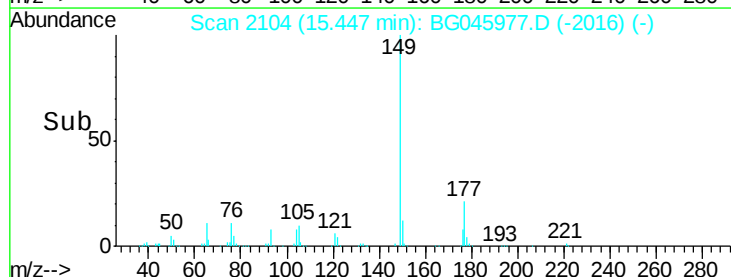
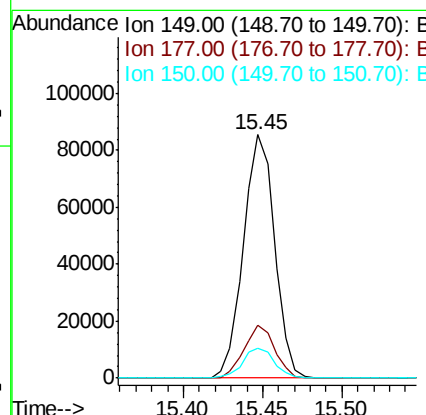
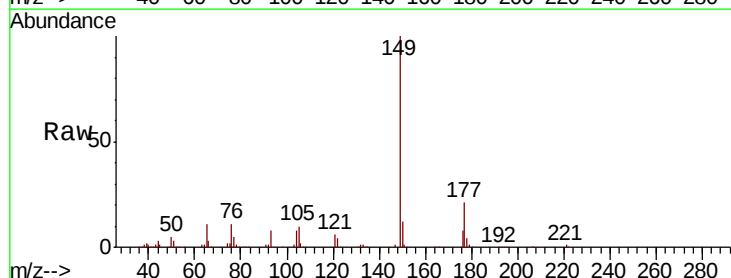
Manual Integrations
 APPROVED

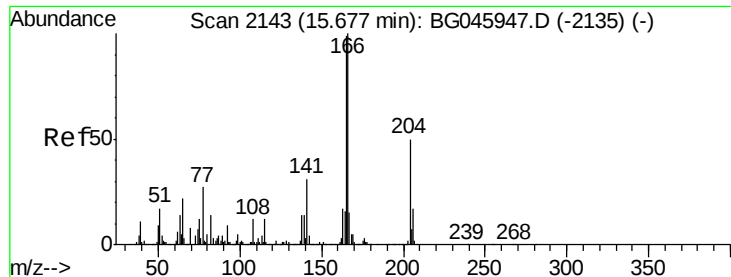
mohammad
 7/10/2020 11:45:36 AM



#60
 Diethylphthalate
 Concen: 4.353 ng
 RT: 15.45 min Scan# 2104
 Delta R.T. -0.01 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.5	19.0	28.4
150	12.2	11.0	16.4





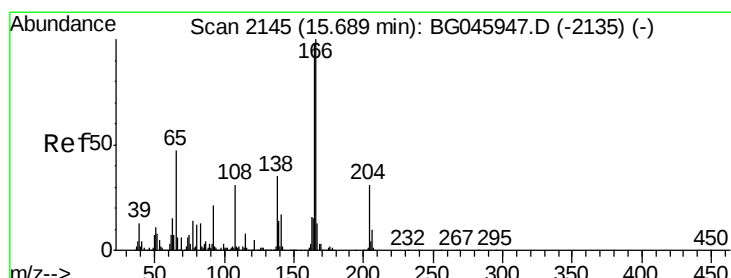
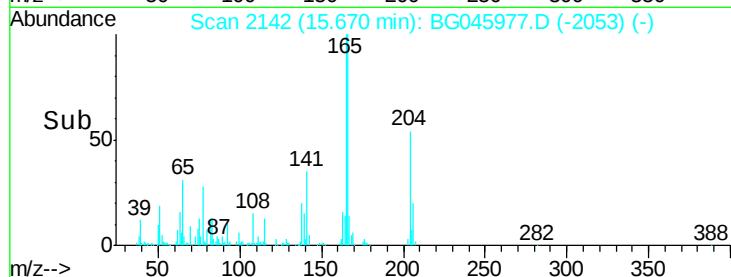
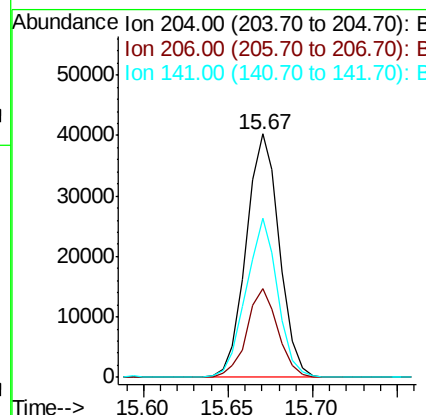
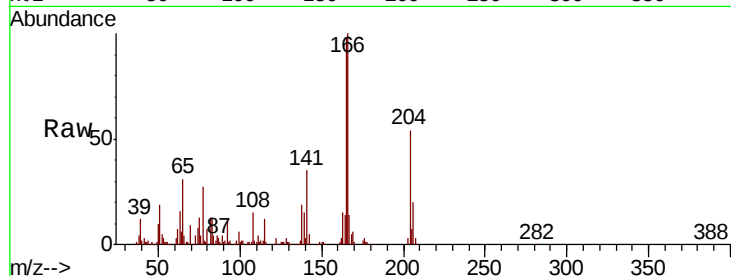
#61
4-Chlorophenyl-phenylether
Concen: 4.469 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
204	100		
206	36.6	27.1	40.7
141	65.1	49.8	74.8

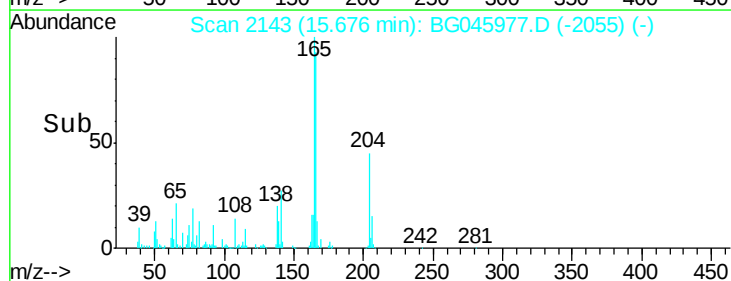
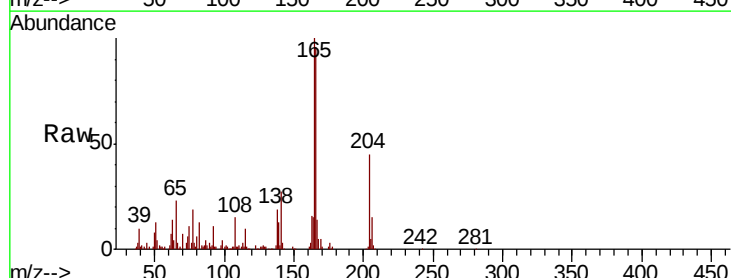
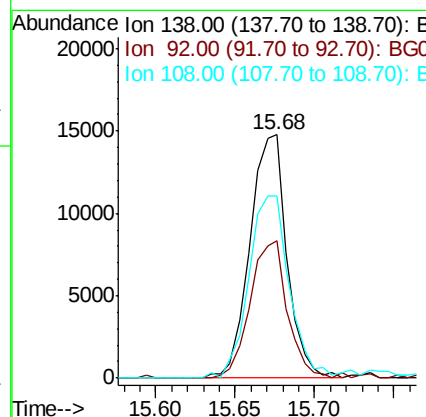
Manual Integrations
APPROVED

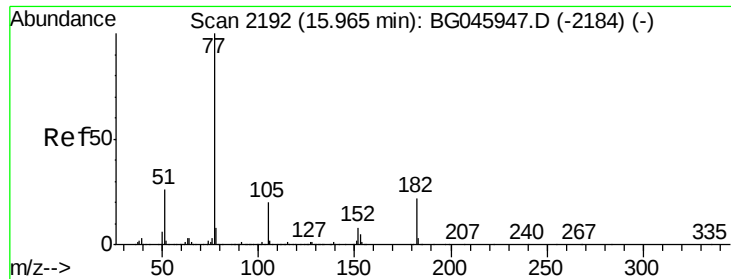
mohammad
7/10/2020 11:45:36 AM



#62
4-Nitroaniline
Concen: 4.548 ng
RT: 15.68 min Scan# 2143
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
138	100		
92	56.3	40.3	80.3
108	74.9	68.0	108.0





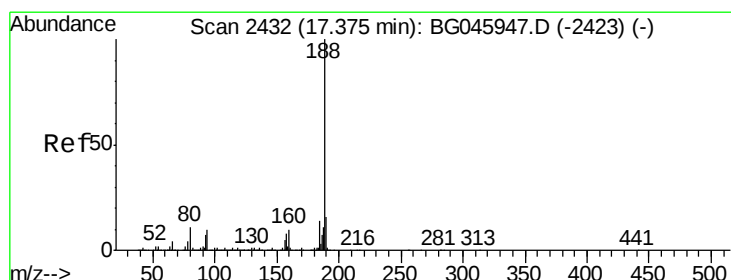
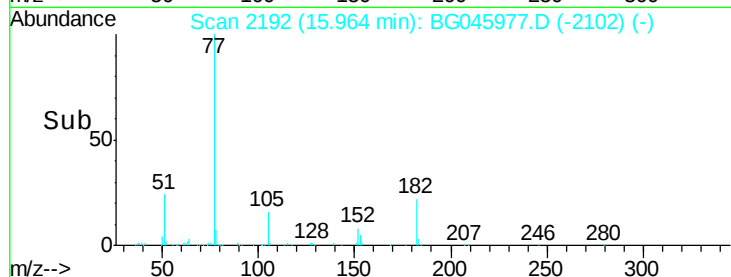
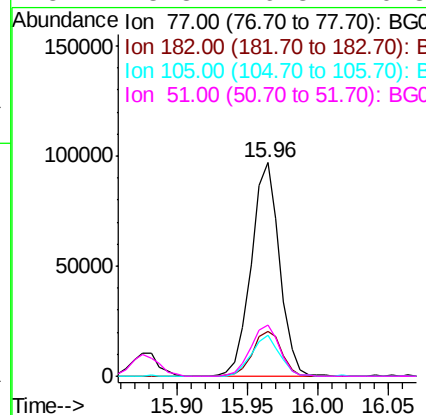
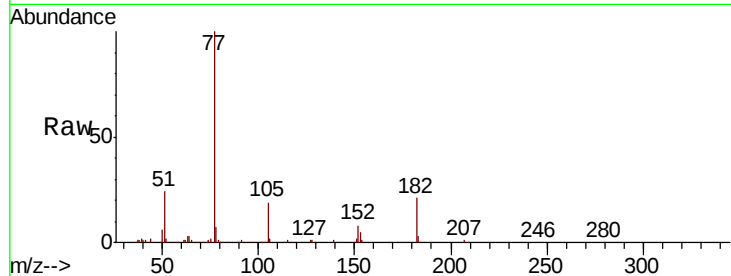
#63
Azobenzene
Concen: 4.755 ng
RT: 15.96 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
77	100			
182	21.1	2.4	42.4	
105	19.4	0.3	40.3	
51	23.8	6.3	46.3	

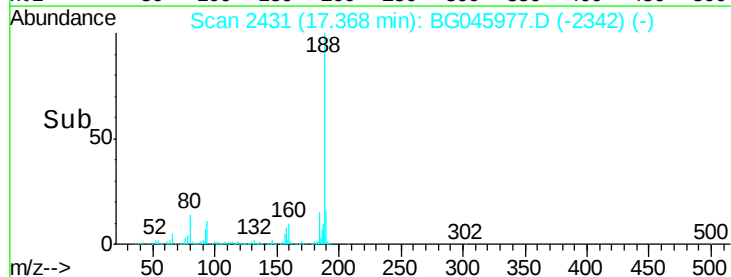
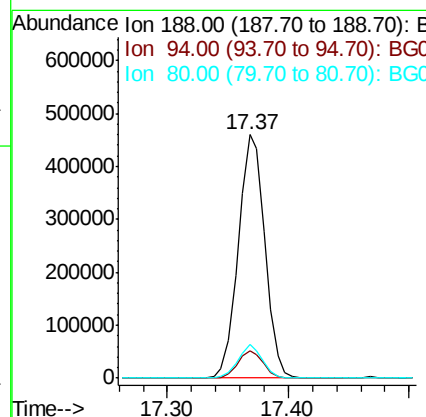
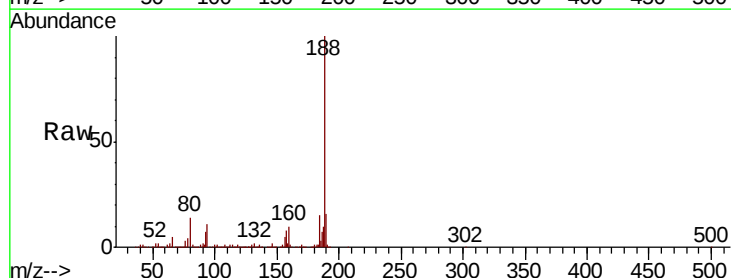
Manual Integrations
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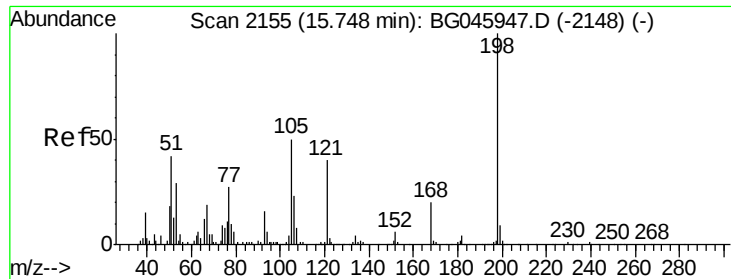
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.0	8.2	12.4	
80	13.7	9.0	13.6	





#65

4,6-Dinitro-2-methylphenol

Concen: 3.502 ng

RT: 15.73 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

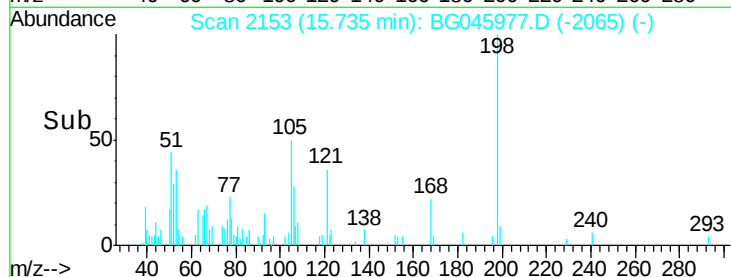
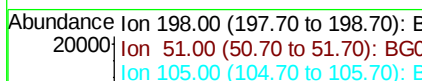
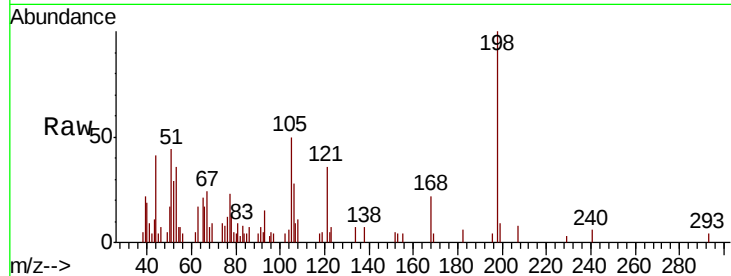
ClientSampleId :

LOQ-SOIL-02-QT3-2020

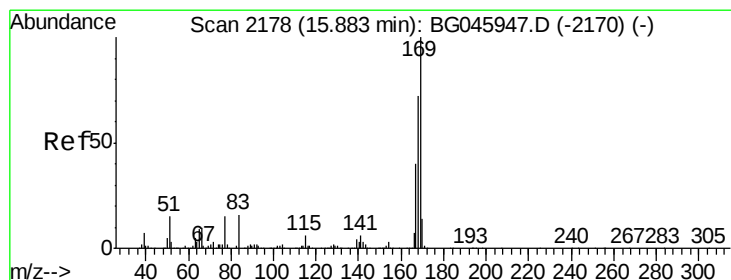
Tot Ion:	198	Resp:	7205
Ion Ratio	Lower	Upper	
198	100		
51	44.2	24.5	64.5
105	50.2	30.9	70.9

Manual Integrations
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Time-->



#66

n-Nitrosodiphenylamine

Concen: 4.487 ng

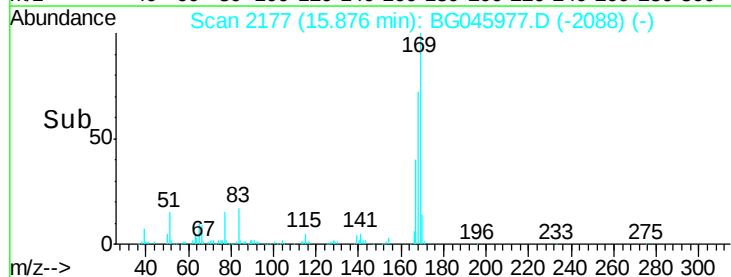
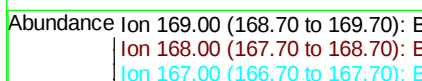
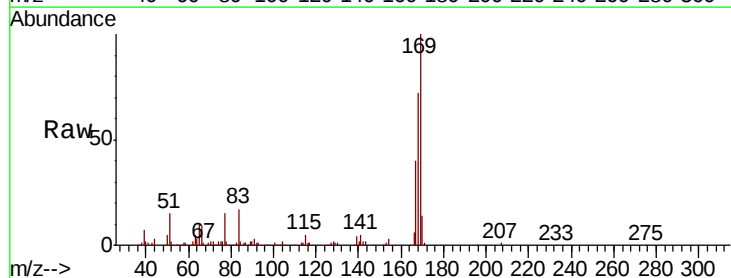
RT: 15.88 min Scan# 2177

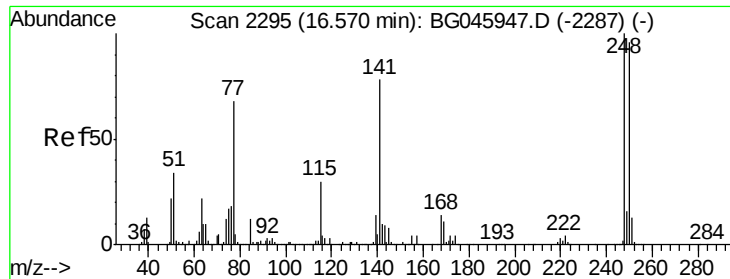
Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Tgt Ion:	169	Resp:	97671
Ion Ratio	Lower	Upper	
169	100		
168	72.4	57.3	85.9
167	40.0	32.1	48.1





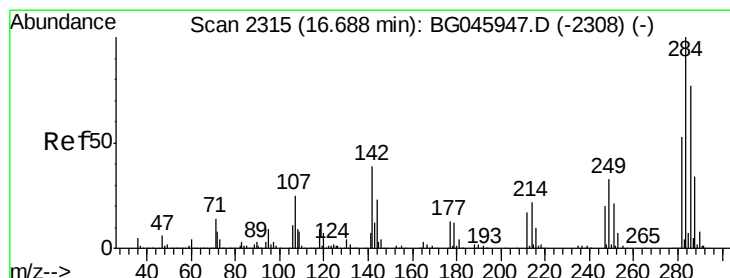
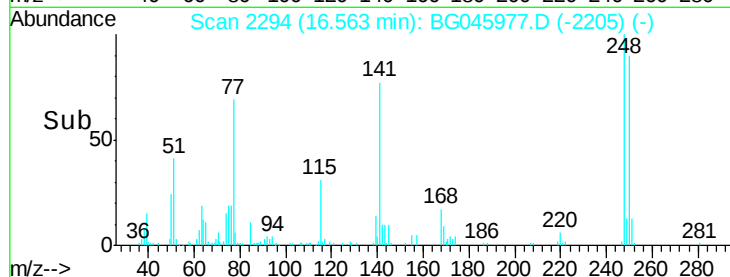
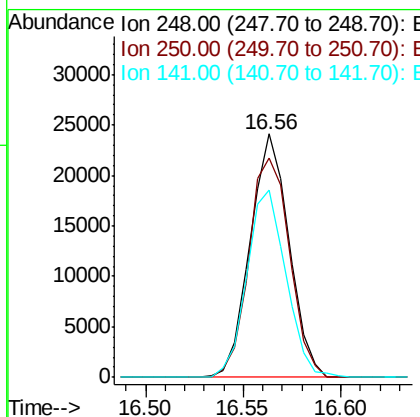
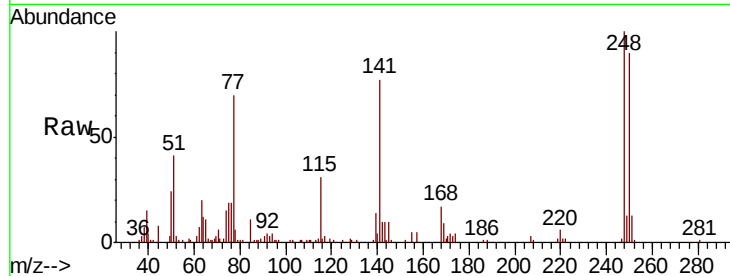
#67
4-Bromophenyl-phenylether
Concen: 4.241 ng
RT: 16.56 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
248	100		
250	89.9	76.6	114.8
141	76.9	62.7	94.1

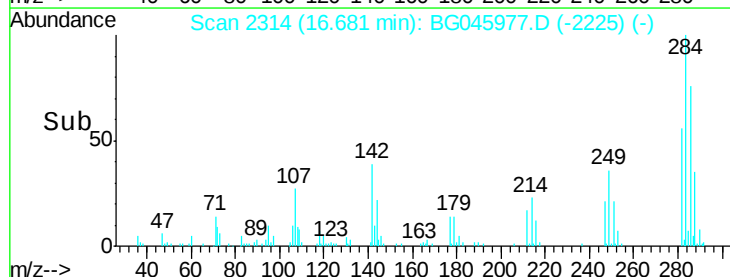
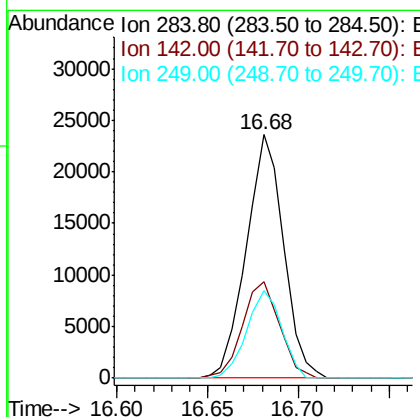
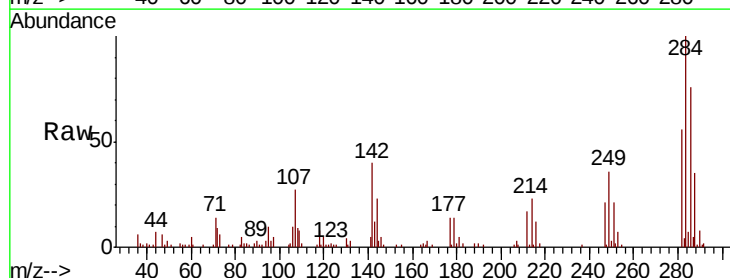
Manual Integrations
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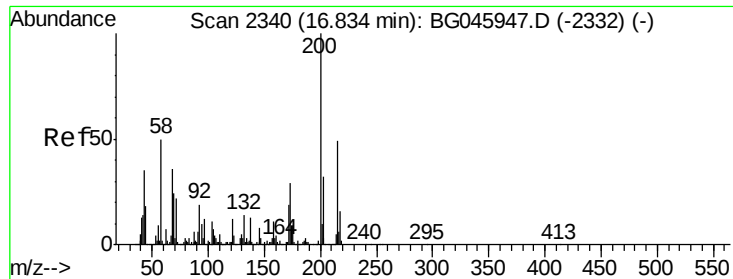
mohammad
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#68
Hexachlorobenzene
Concen: 4.280 ng
RT: 16.68 min Scan# 2314
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
284	100		
142	39.7	31.3	46.9
249	35.7	26.8	40.2





#69

Atrazine

Concen: 5.170 ng

RT: 16.83 min Scan# 2339

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

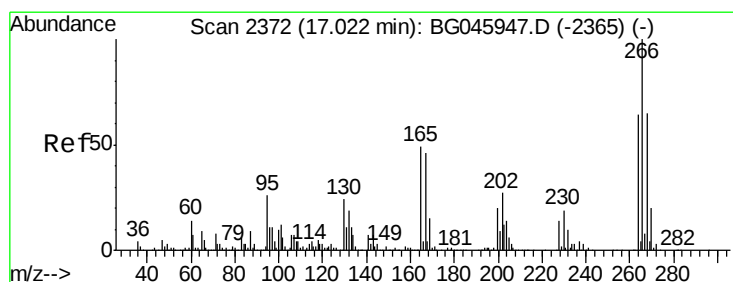
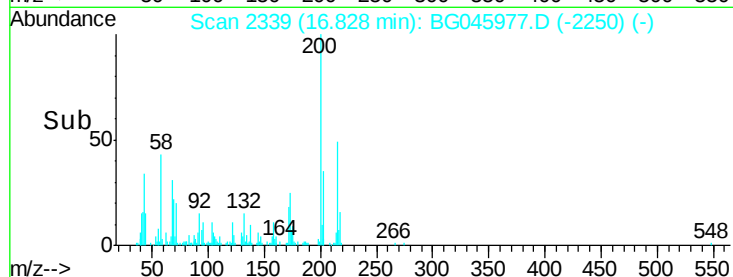
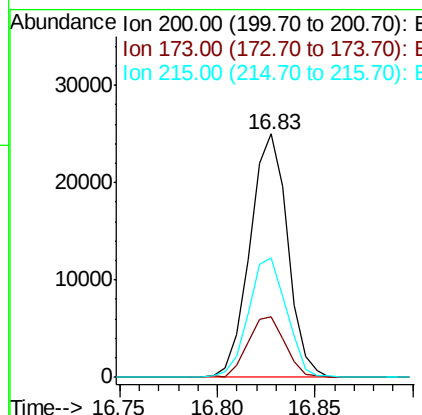
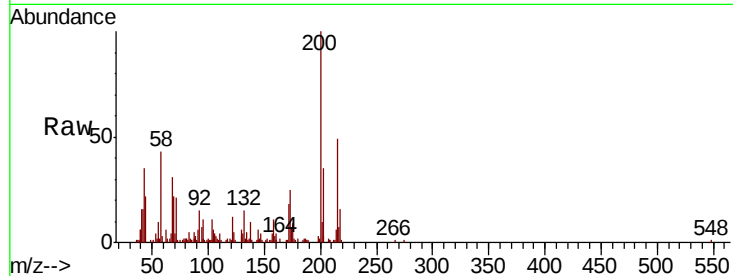
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	200	Resp:	33274
Ion Ratio	Lower	Upper	
200	100		
173	24.7	9.1	49.1
215	49.0	28.8	68.8

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#70

Pentachlorophenol

Concen: 3.206 ng

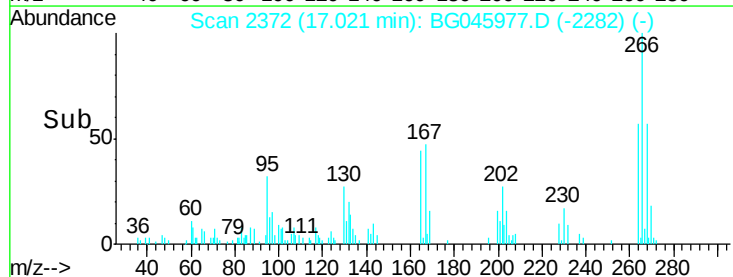
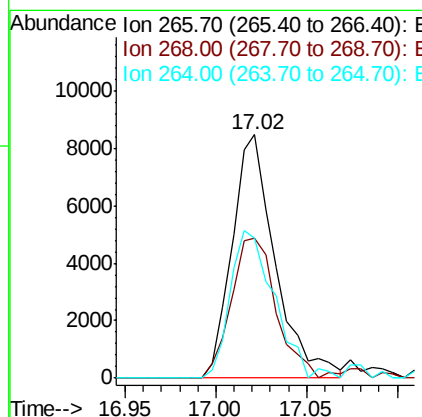
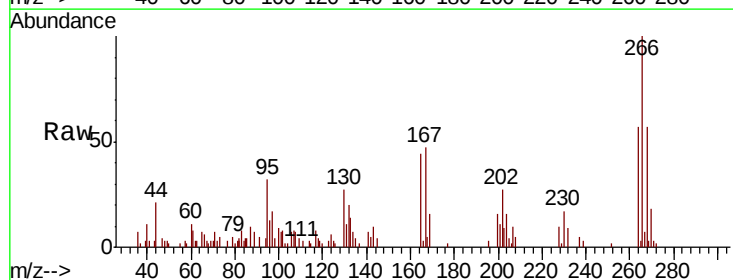
RT: 17.02 min Scan# 2372

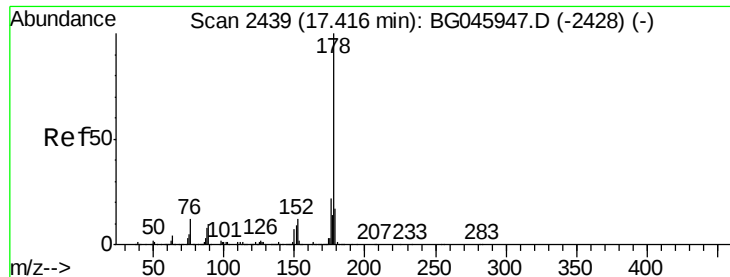
Delta R.T. -0.00 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Tgt Ion:	266	Resp:	14031
Ion Ratio	Lower	Upper	
266	100		
268	57.5	51.8	77.8
264	57.2	51.4	77.0





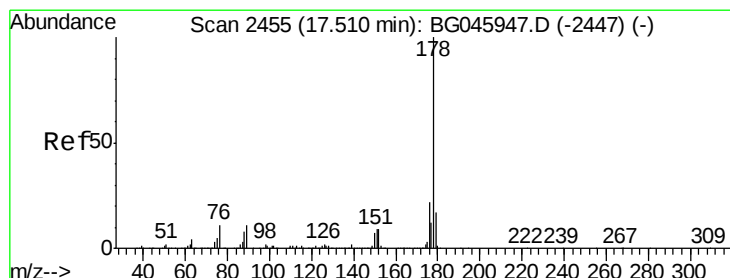
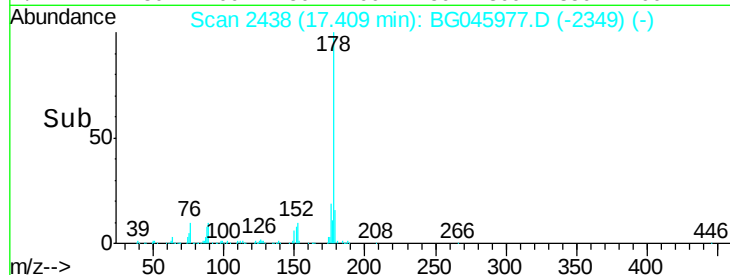
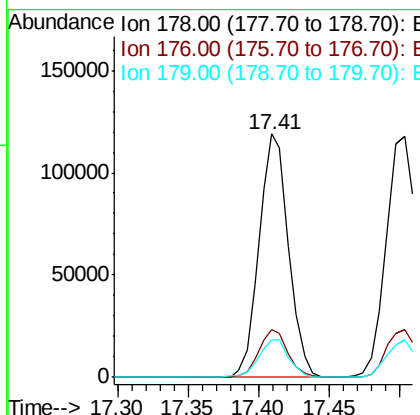
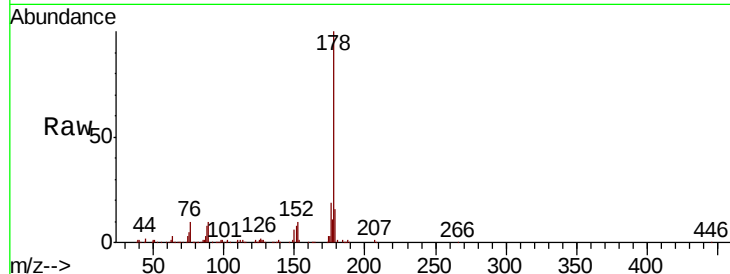
#71
Phenanthrene
Concen: 4.696 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	17.4	26.2
179	15.7	13.4	20.2

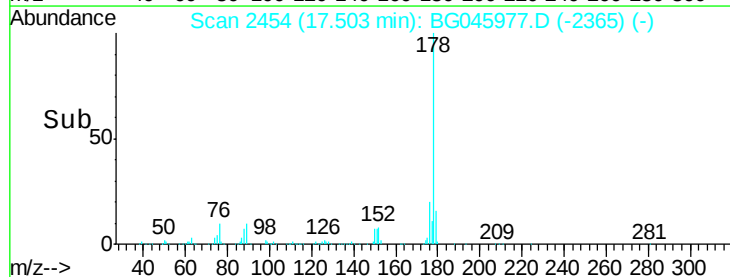
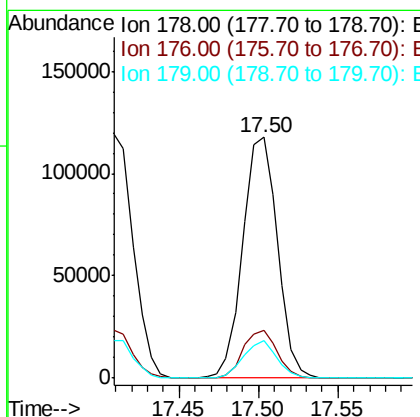
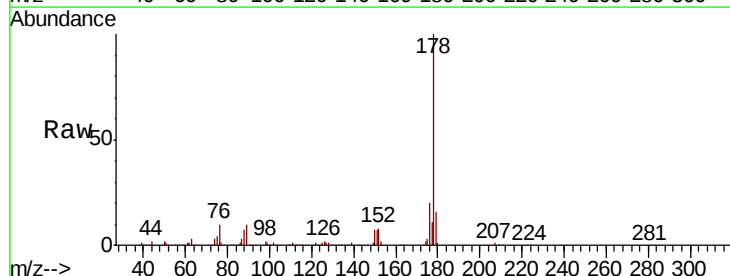
Manual Integrations
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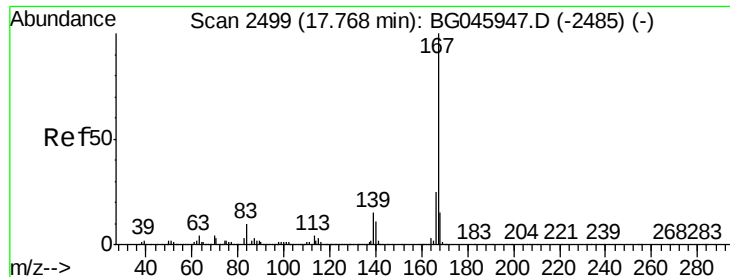
mohammad
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#72
Anthracene
Concen: 4.744 ng
RT: 17.50 min Scan# 2454
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	17.2	25.8
179	15.9	14.0	21.0





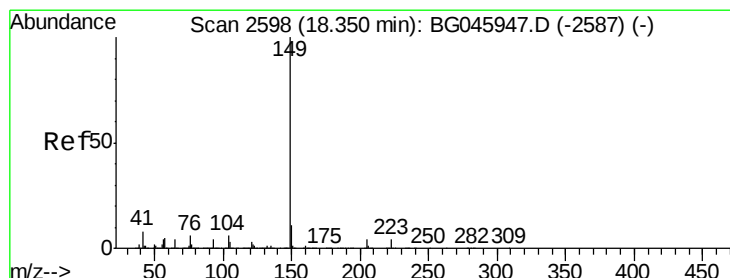
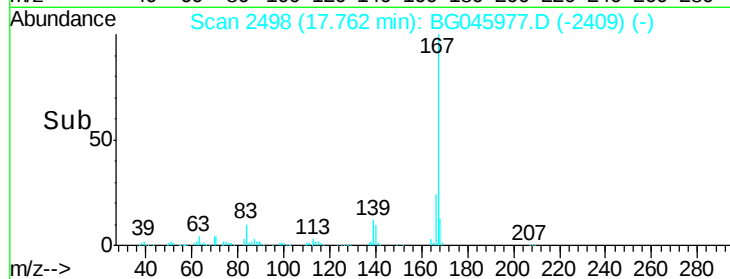
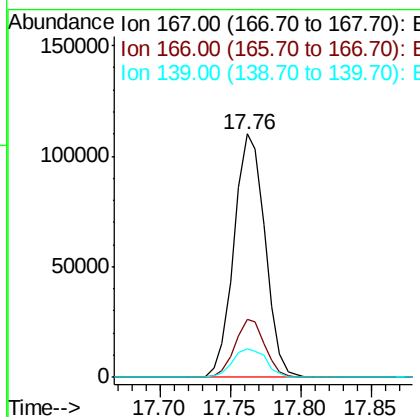
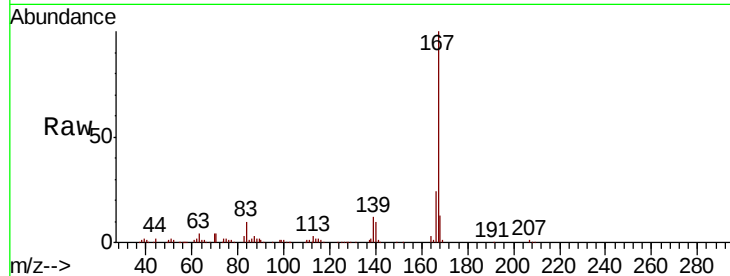
#73
 Carbazole
 Concen: 4.463 ng
 RT: 17.76 min Scan# 2498
 Delta R.T. -0.01 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.7	20.4	30.6
139	11.7	11.8	17.8

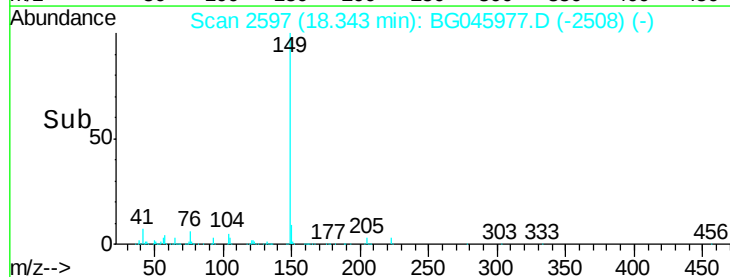
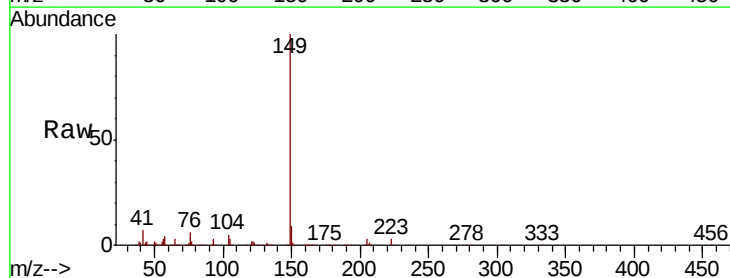
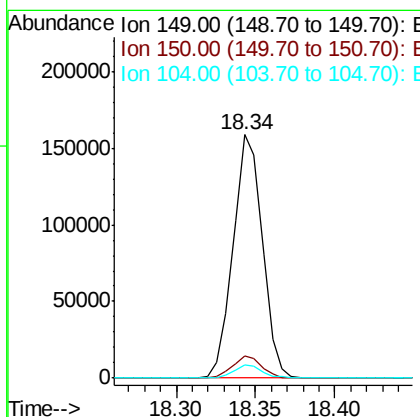
Manual Integrations
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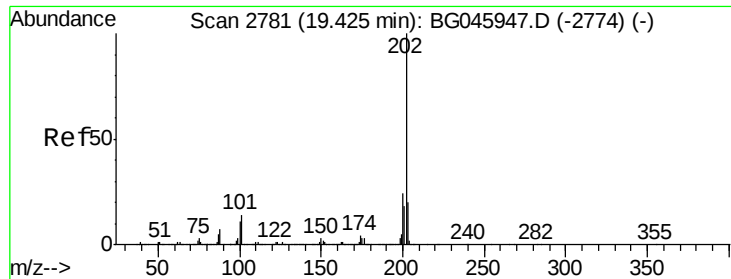
mohammad
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#74
 Di-n-butylphthalate
 Concen: 4.441 ng
 RT: 18.34 min Scan# 2597
 Delta R.T. -0.01 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	9.0	13.4
104	5.3	5.2	7.8





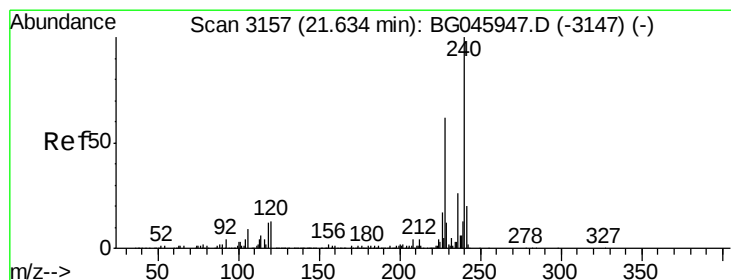
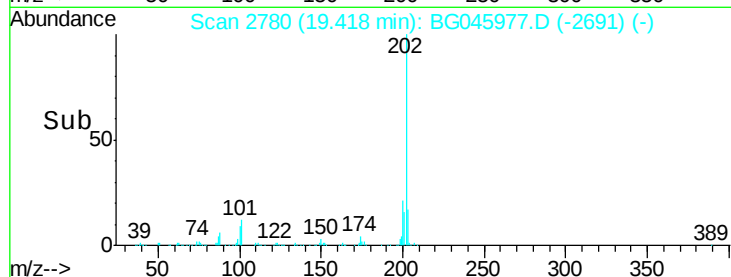
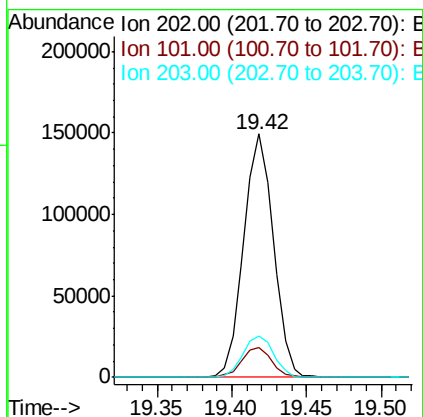
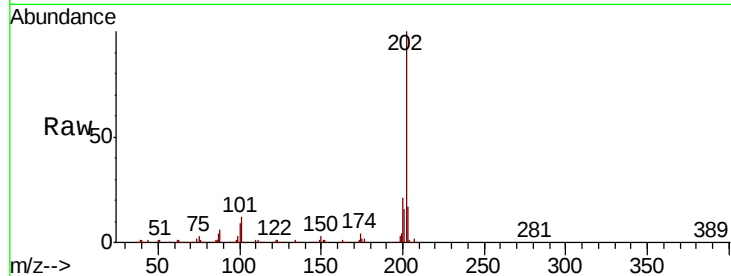
#75
Fluoranthene
Concen: 4.788 ng
RT: 19.42 min Scan# 2780
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.2	0.0	33.8
203	17.1	0.4	40.4

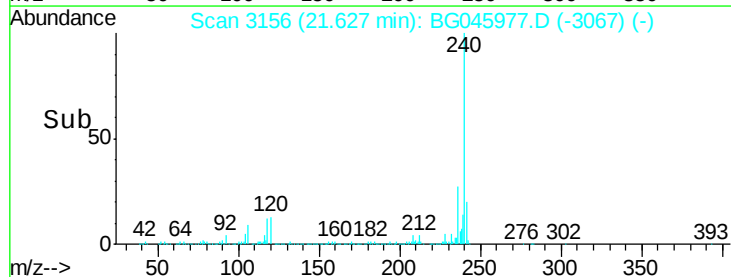
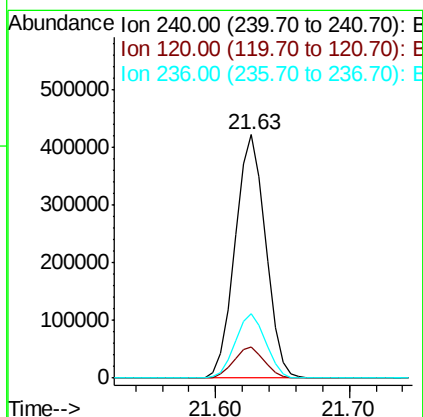
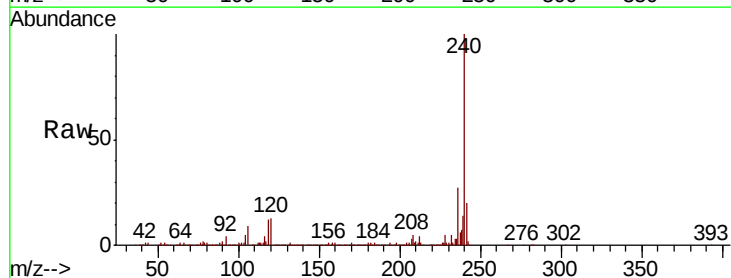
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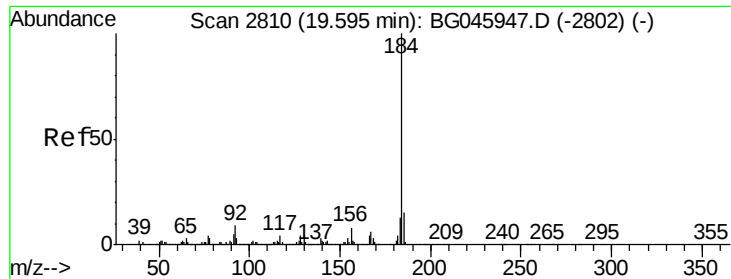
mohammad
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.6	10.6	16.0
236	26.6	20.4	30.6





#77

Benzidine

Concen: 5.533 ng

RT: 19.59 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

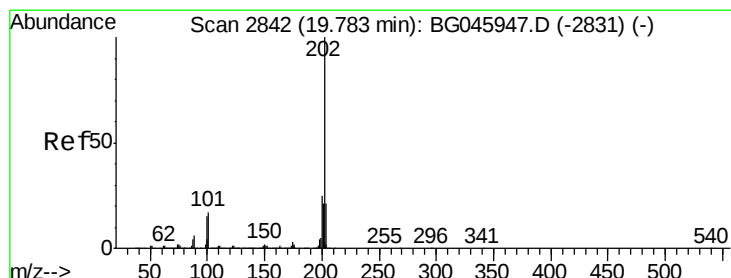
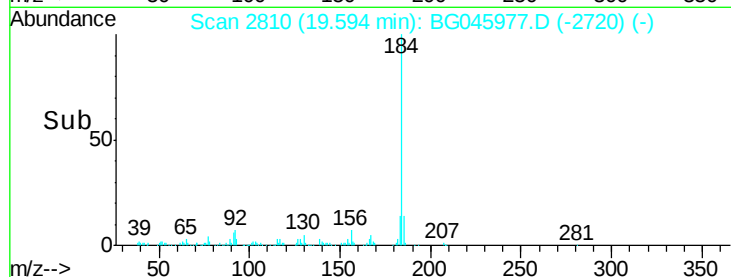
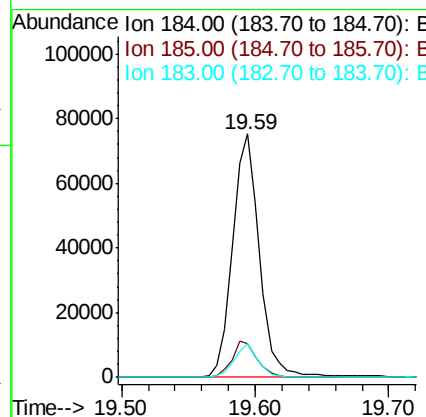
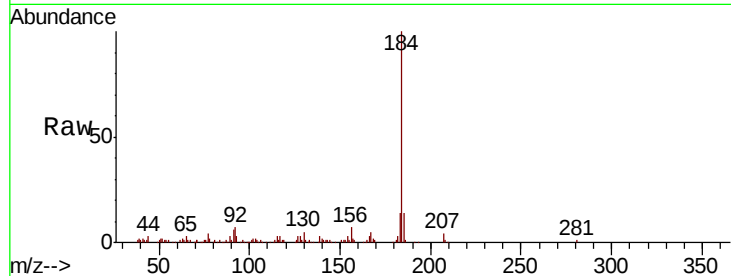
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	184	Resp:	105775
Ion Ratio	Lower	Upper	
184	100		
185	13.9	11.6	17.4
183	13.9	10.4	15.6

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#78

Pyrene

Concen: 4.670 ng

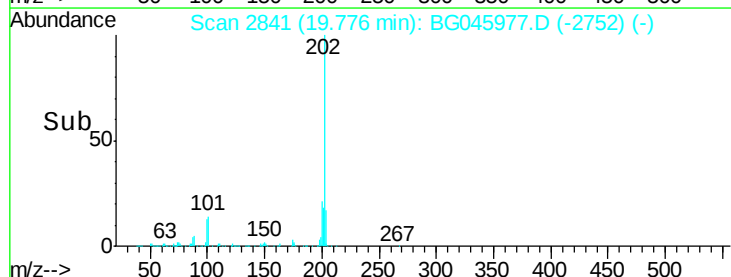
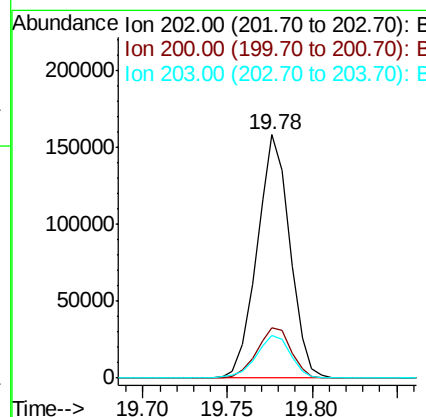
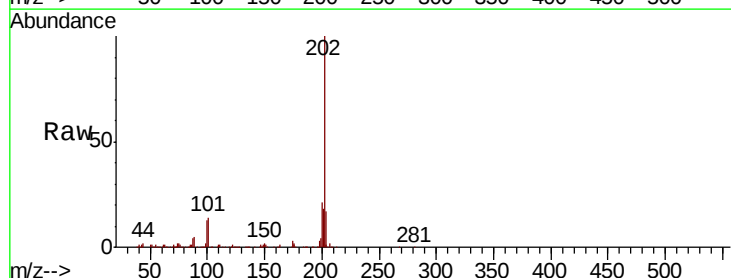
RT: 19.78 min Scan# 2841

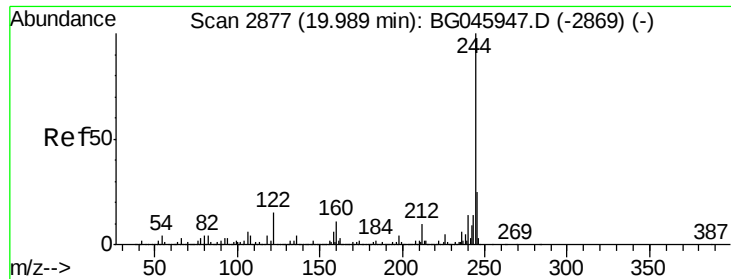
Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Tgt Ion:	202	Resp:	213114
Ion Ratio	Lower	Upper	
202	100		
200	20.6	20.1	30.1
203	17.3	16.5	24.7





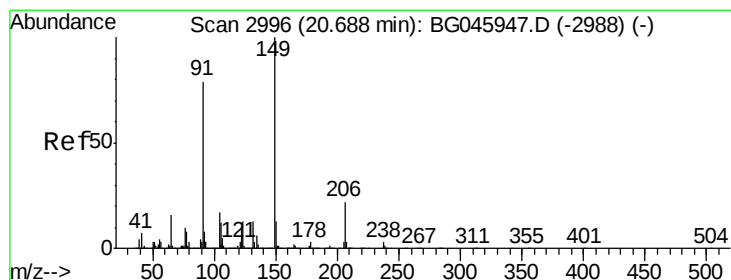
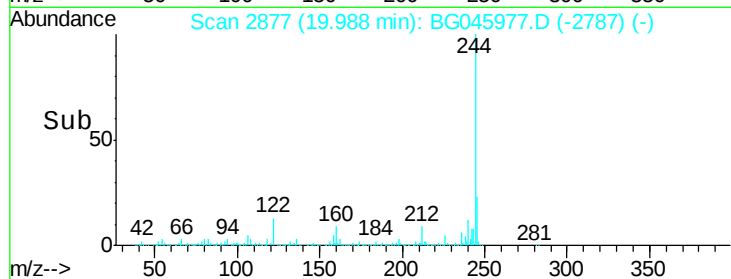
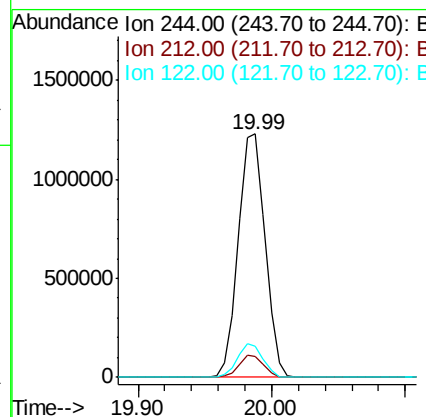
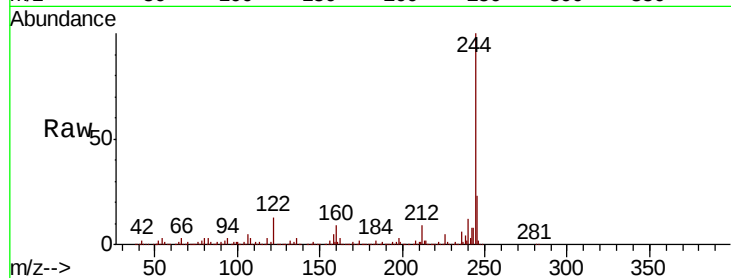
#79
 Terphenyl-d14
 Concen: 57.327 ng
 RT: 19.99 min Scan# 2877
 Delta R.T. -0.00 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.6	8.3	12.5
122	12.9	12.1	18.1

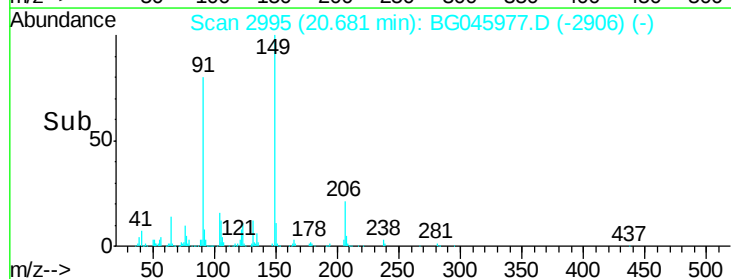
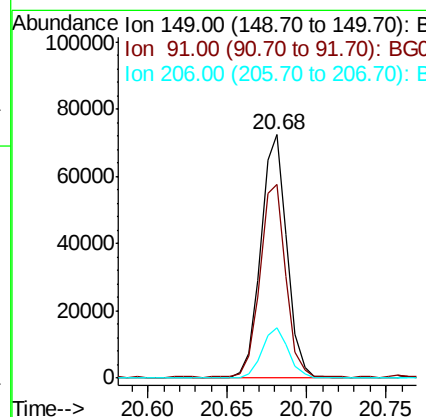
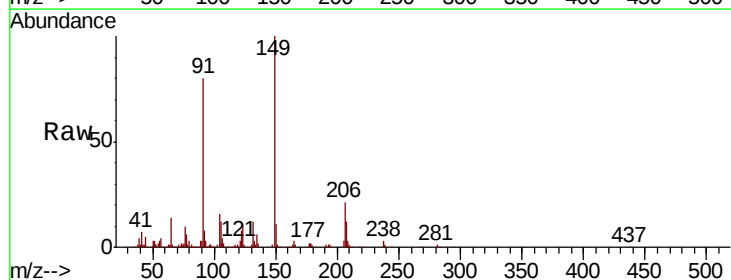
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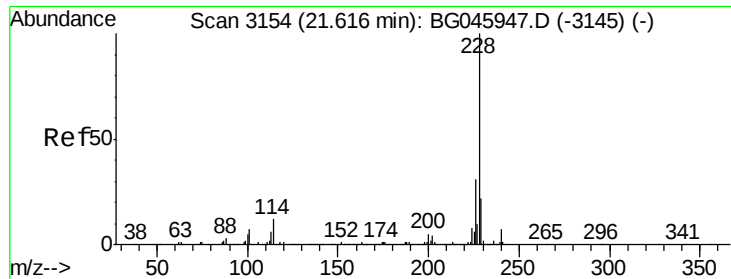
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#80
 Butylbenzylphthalate
 Concen: 3.856 ng
 RT: 20.68 min Scan# 2995
 Delta R.T. -0.01 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
149	100		
91	79.7	63.1	94.7
206	20.9	17.4	26.0





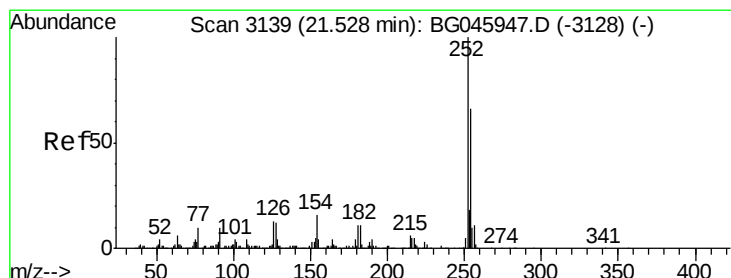
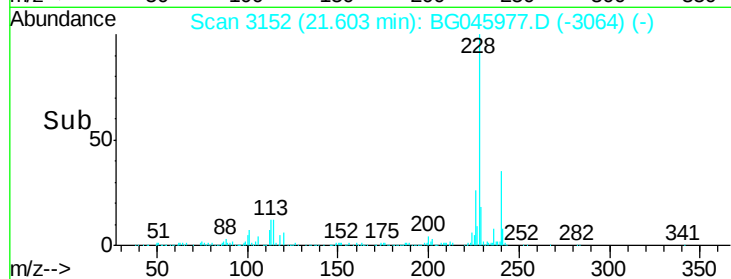
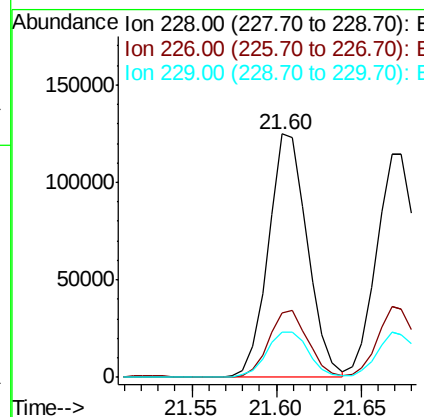
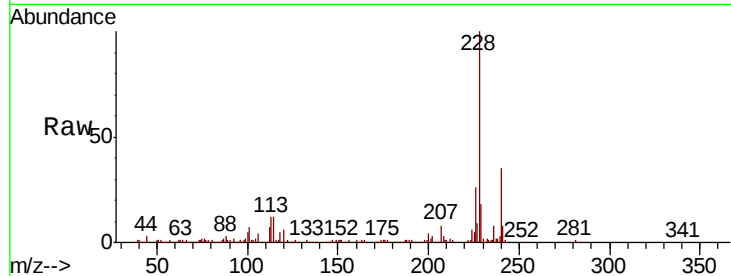
#81
Benzo(a)anthracene
Concen: 4.519 ng
RT: 21.60 min Scan# 3152
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.3	24.8	37.2
229	18.4	17.8	26.8

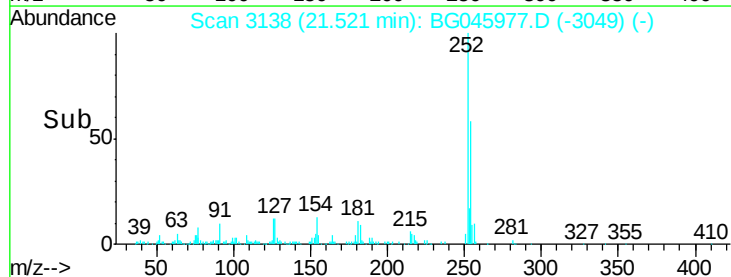
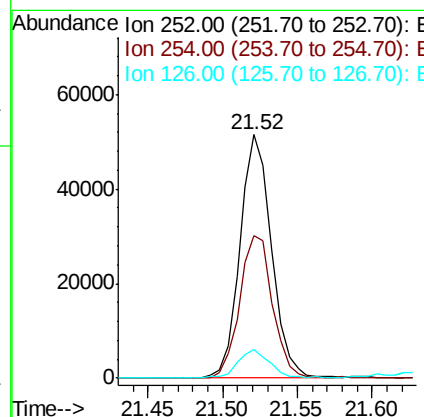
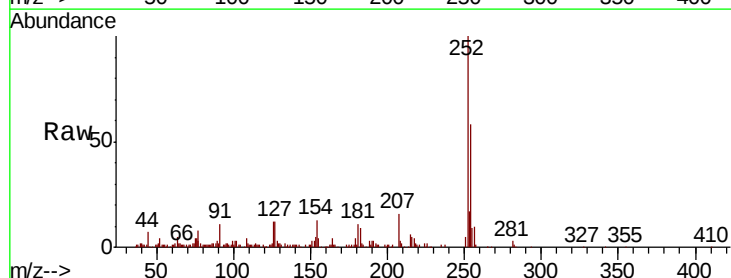
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#82
3,3'-Dichlorobenzidine
Concen: 4.655 ng
RT: 21.52 min Scan# 3138
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
252	100		
254	58.5	52.9	79.3
126	11.7	10.4	15.6





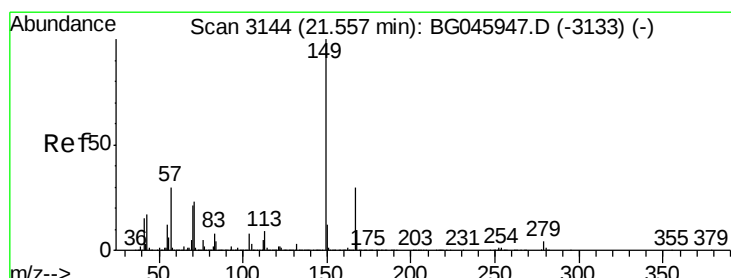
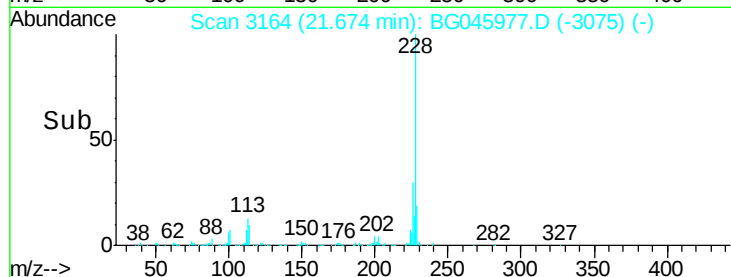
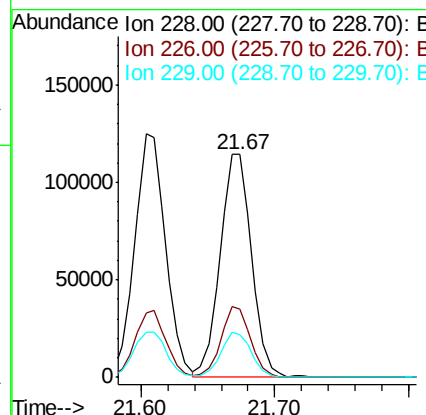
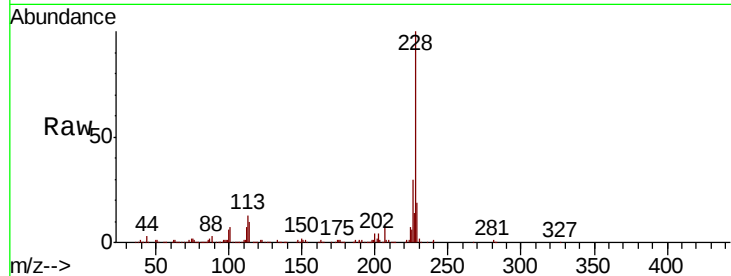
#83
Chrysene
Concen: 4.522 ng
RT: 21.67 min Scan# 3164
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	26.7	40.1
229	19.2	17.3	25.9

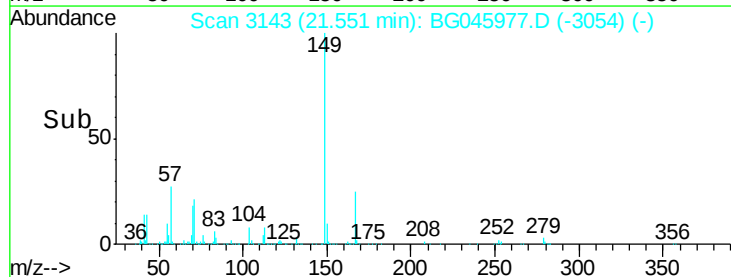
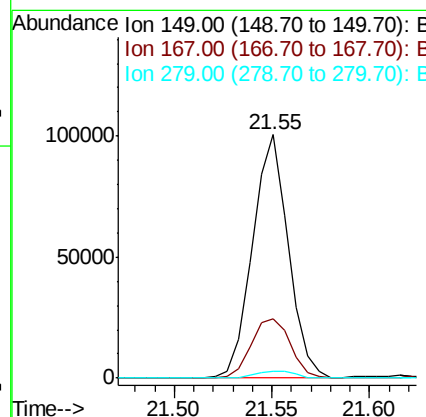
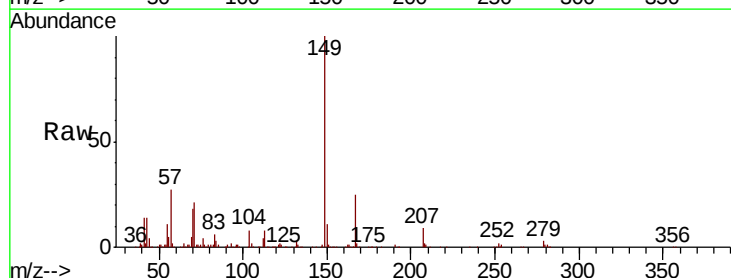
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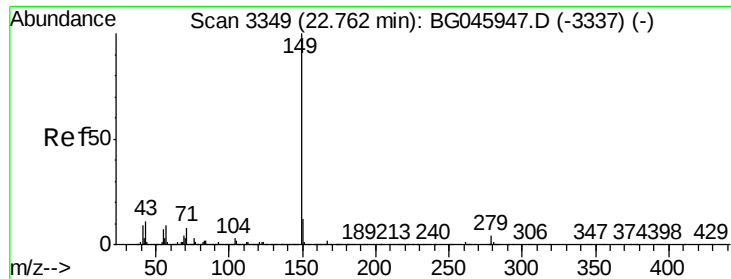
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#84
Bis(2-ethylhexyl)phthalate
Concen: 4.080 ng
RT: 21.55 min Scan# 3143
Delta R.T. -0.01 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.6	23.8	35.8
279	3.0	3.5	5.3#





#85

Di-n-octyl phthalate

Concen: 3.913 ng

RT: 22.75 min Scan# 3347

Delta R.T. -0.01 min

Lab File: BG045977.D

Acq: 8 Jul 2020 12:12

Instrument :

BNA_G

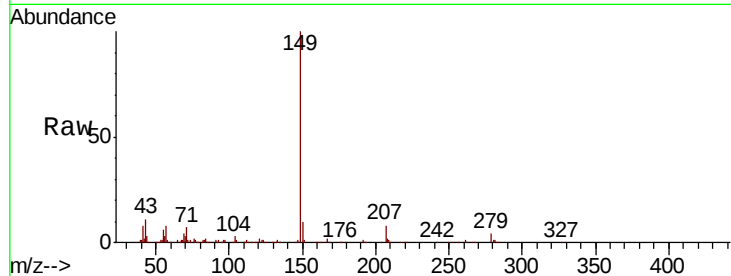
ClientSampleId :

LOQ-SOIL-02-QT3-2020

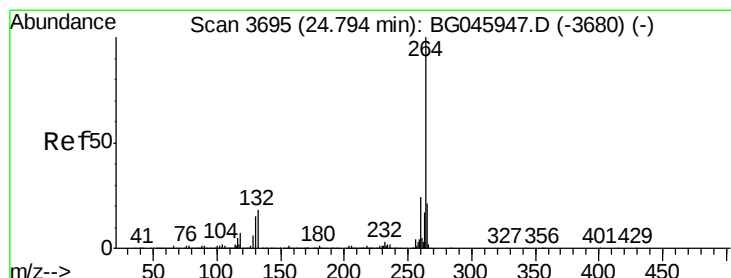
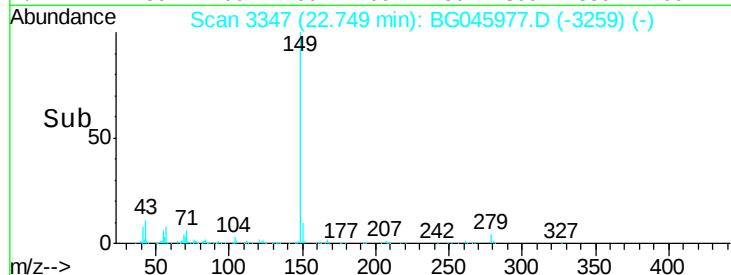
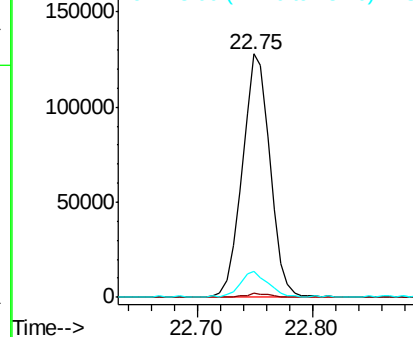
Tot Ion:	149	Resp:	212571
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.4	2.0
43	10.9	8.6	12.8

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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

Perylene-d12

Concen: 20.000 ng

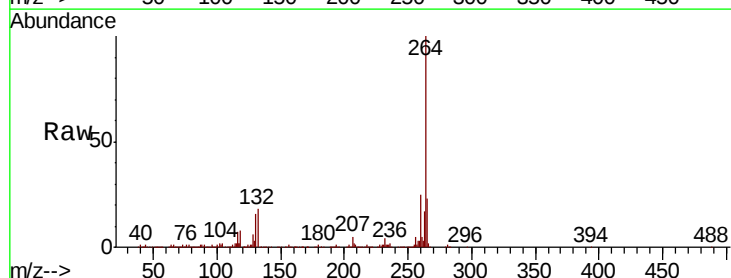
RT: 24.78 min Scan# 3693

Delta R.T. -0.01 min

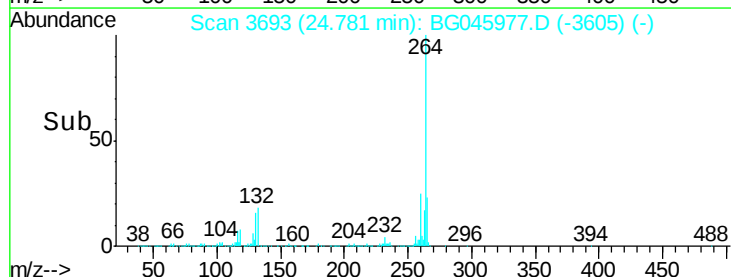
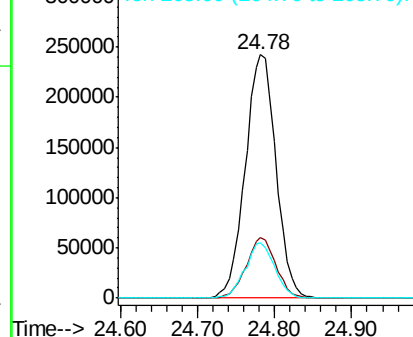
Lab File: BG045977.D

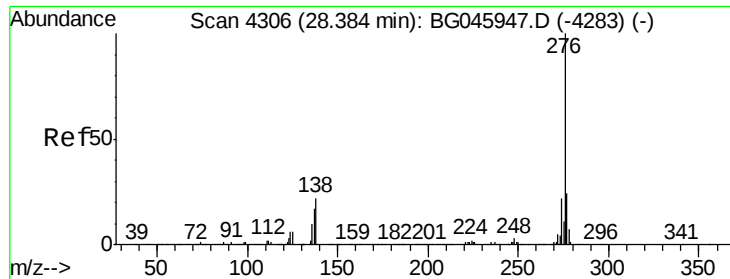
Acq: 8 Jul 2020 12:12

Tgt Ion:	264	Resp:	675411
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.0	28.6
265	22.7	16.9	25.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





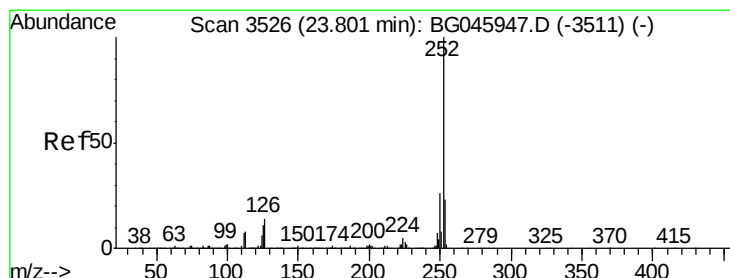
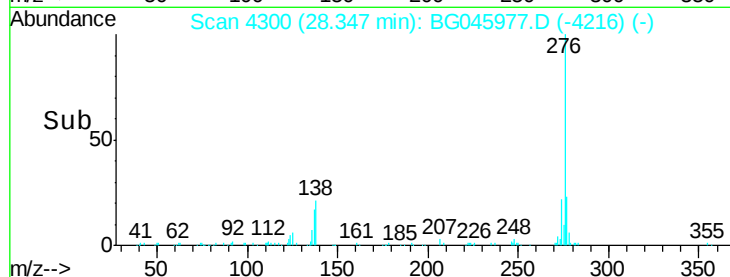
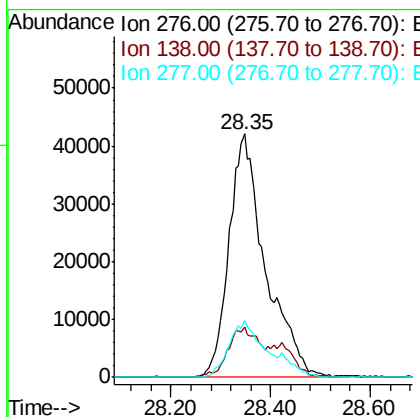
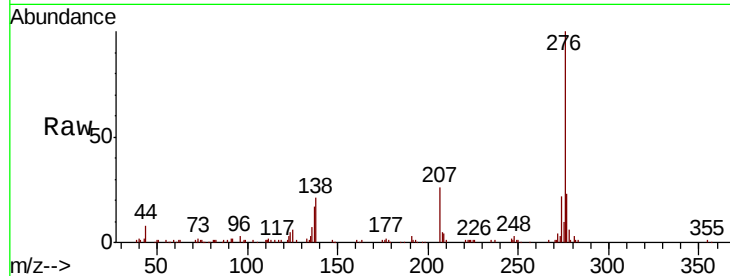
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.326 ng
 RT: 28.35 min Scan# 4300
 Delta R.T. -0.04 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.3	16.4	24.6
277	20.8	20.6	31.0

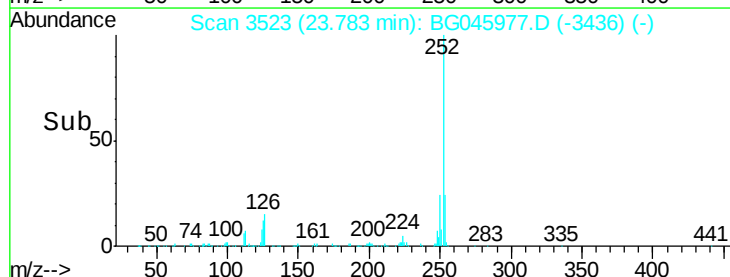
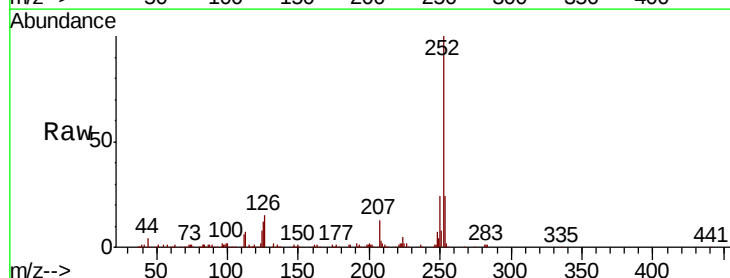
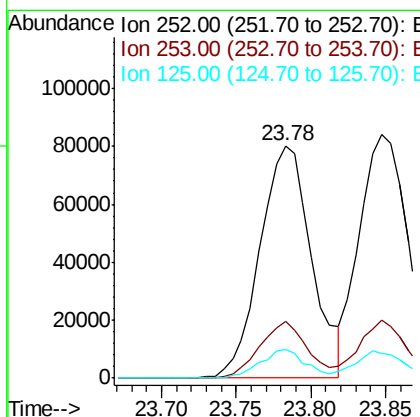
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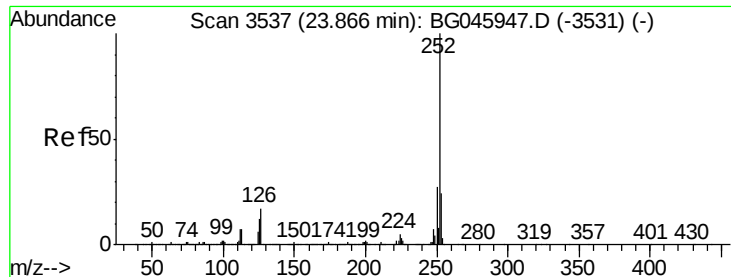
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 4.490 ng
 RT: 23.78 min Scan# 3523
 Delta R.T. -0.02 min
 Lab File: BG045977.D
 Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.5	27.7
125	12.4	9.2	13.8





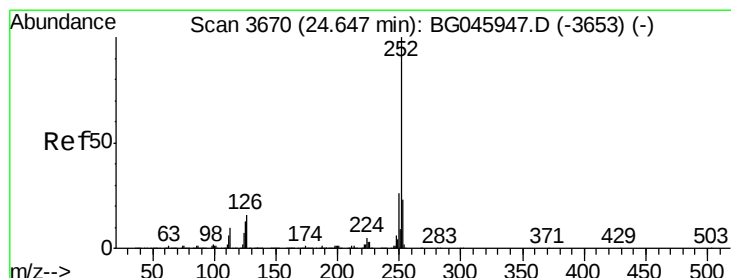
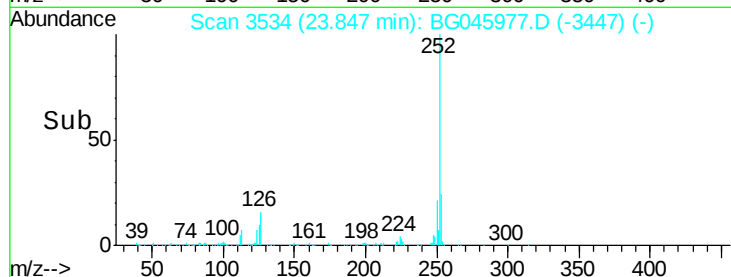
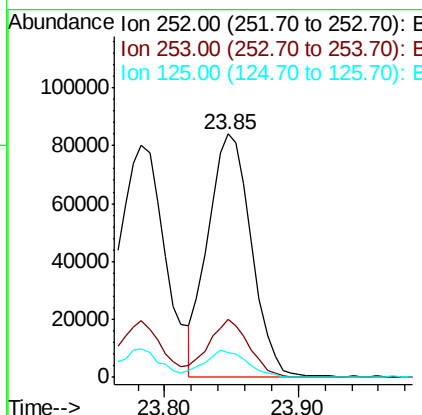
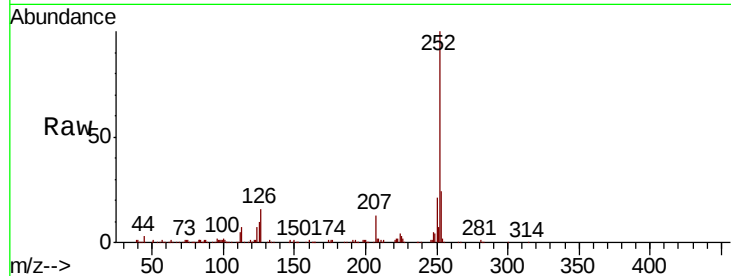
#89
Benzo(k)fluoranthene
Concen: 4.710 ng
RT: 23.85 min Scan# 3534
Delta R.T. -0.02 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.9	28.3
125	10.1	9.6	14.4

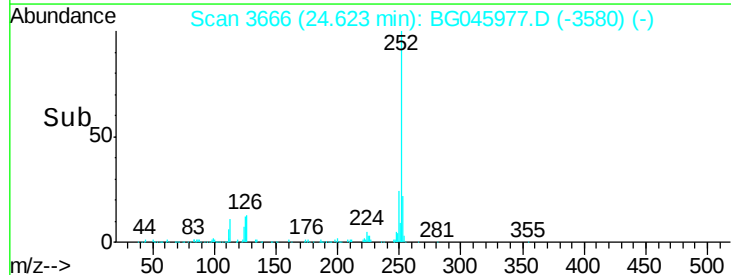
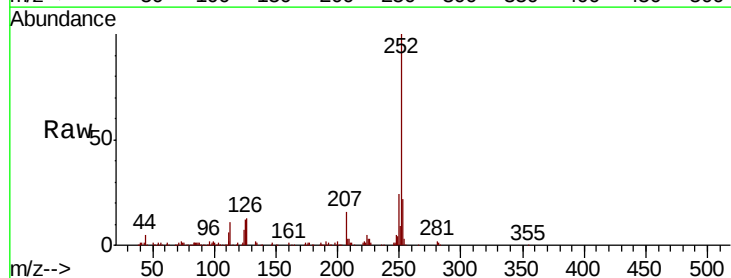
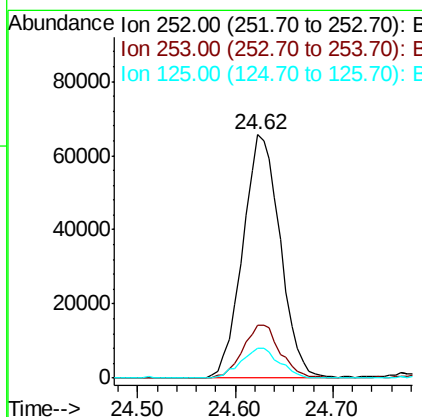
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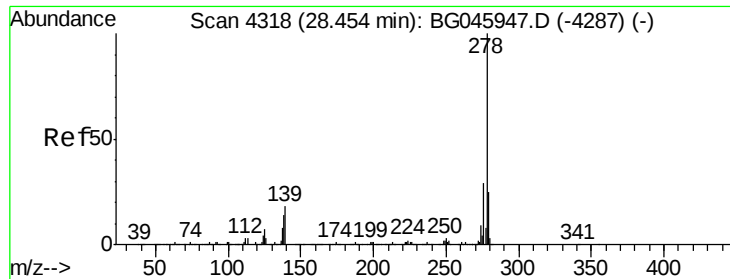
mohammad
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#90
Benzo(a)pyrene
Concen: 4.373 ng
RT: 24.62 min Scan# 3666
Delta R.T. -0.02 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.6	28.0
125	12.1	10.5	15.7





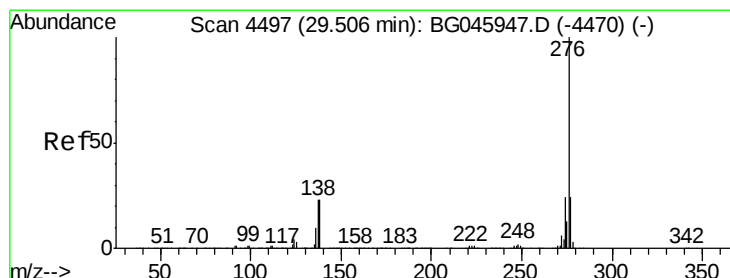
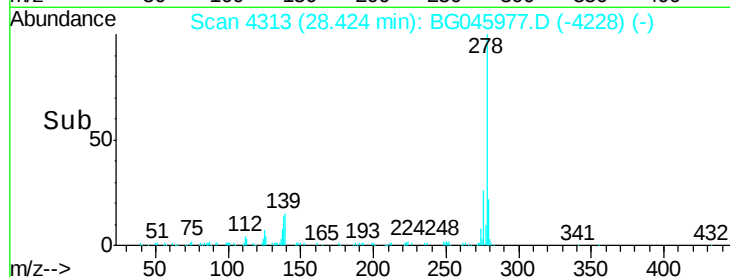
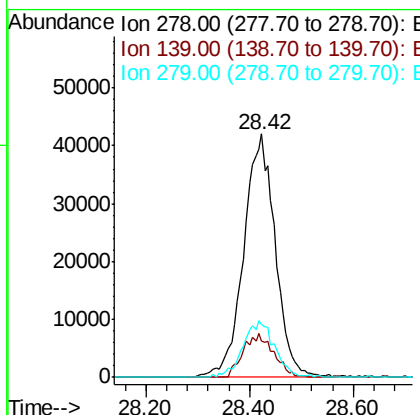
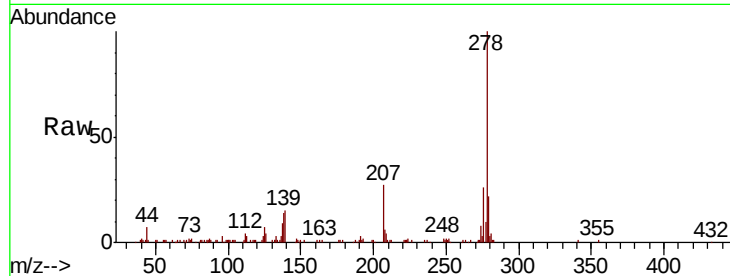
#91
Dibenzo(a,h)anthracene
Concen: 4.450 ng
RT: 28.42 min Scan# 4313
Delta R.T. -0.03 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.1	14.3	21.5
279	21.9	19.8	29.6

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#92
Benzo(g,h,i)perylene
Concen: 4.425 ng
RT: 29.45 min Scan# 4487
Delta R.T. -0.06 min
Lab File: BG045977.D
Acq: 8 Jul 2020 12:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.4	19.4	29.0
138	22.5	18.6	28.0

