

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070920\
 Data File : BG045992.D
 Acq On : 9 Jul 2020 13:01
 Operator : CG/JU
 Sample : L3216-02
 Misc : L00-SOIL-10PPM
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
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mohammad
 7/10/2020 11:47:05 AM

Quant Time: Jul 09 13:39:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 09 11:56:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	142048	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	582463	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	349188	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	693489	20.00	ng	0.00
76) Chrysene-d12	21.62	240	623167	20.00	ng	0.00
86) Perylene-d12	24.78	264	617393	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	851217	97.18	ng	0.00
7) Phenol-d6	7.16	99	1247913	98.95	ng	0.00
23) Nitrobenzene-d5	9.16	82	841193	83.13	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	316730	97.73	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1648093	73.62	ng	0.00
79) Terphenyl-d14	19.99	244	1656323	59.15	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.51	88	47038	11.640	ng	99
3) Pyridine	3.90	79	98940	8.097	ng	99
4) n-Nitrosodimethylamine	3.82	42	40745	9.861	ng	91
6) Aniline	7.33	93	152336	9.443	ng	99
8) 2-Chlorophenol	7.57	128	86010	9.122	ng	96
9) Benzaldehyde	7.14	77	100135	12.533	ng	97
10) Phenol	7.19	94	115166	9.104	ng	99
11) bis(2-Chloroethyl)ether	7.43	93	95945	9.172	ng	97
12) 1,3-Dichlorobenzene	7.90	146	99156	9.123	ng	99
13) 1,4-Dichlorobenzene	8.04	146	99841	9.338	ng	98
14) 1,2-Dichlorobenzene	8.36	146	93156	9.053	ng	97
15) Benzyl Alcohol	8.24	79	86777	8.776	ng	94
16) 2,2'-oxybis(1-Chloropropan	8.54	45	122298	8.961	ng	98
17) 2-Methylphenol	8.44	107	80588	8.490	ng	99
18) Hexachloroethane	9.09	117	37466	9.107	ng	96
19) n-Nitroso-di-n-propylamine	8.81	70	83360	9.409	ng	97
20) 3+4-Methylphenols	8.77	107	108253	8.368	ng	97
22) Acetophenone	8.82	105	151061	9.708	ng	# 97
24) Nitrobenzene	9.20	77	115759	10.364	ng	99
25) Isophorone	9.72	82	218423	8.842	ng	99
26) 2-Nitrophenol	9.91	139	34389	9.446	ng	# 94
27) 2,4-Dimethylphenol	9.97	122	81755	9.297	ng	99
28) bis(2-Chloroethoxy)methane	10.20	93	128568	9.268	ng	95
29) 2,4-Dichlorophenol	10.45	162	78923	8.670	ng	95
30) 1,2,4-Trichlorobenzene	10.67	180	90576	8.980	ng	97
31) Naphthalene	10.86	128	290692	9.310	ng	99
32) Benzoic acid	10.03	122	32019m	6.725	ng	
33) 4-Chloroaniline	10.95	127	121544	8.711	ng	97
34) Hexachlorobutadiene	11.16	225	48294	8.201	ng	97
35) Caprolactam	11.68	113	27638	7.997	ng	91
36) 4-Chloro-3-methylphenol	12.07	107	86345	8.328	ng	99
37) 2-Methylnaphthalene	12.46	142	210649	9.490	ng	96
38) 1-Methylnaphthalene	12.68	142	197799m	9.442	ng	
40) 1,2,4,5-Tetrachlorobenzene	12.82	216	95303	9.682	ng	99

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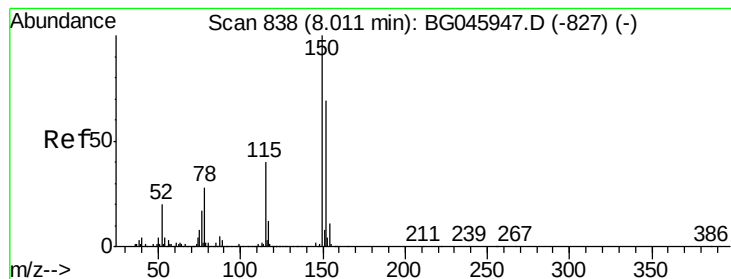
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.81	237	50923	8.719	ng	95
43) 2,4,6-Trichlorophenol	13.06	196	53966	8.107	ng	90
44) 2,4,5-Trichlorophenol	13.12	196	62515	8.306	ng	95
46) 1,1'-Biphenyl	13.46	154	263818	10.043	ng	97
47) 2-Chloronaphthalene	13.51	162	187703	9.057	ng	98
48) 2-Nitroaniline	13.69	65	53751	11.081	ng	94
49) Acenaphthylene	14.35	152	321319	9.609	ng	96
50) Dimethylphthalate	14.08	163	230370	8.791	ng	98
51) 2,6-Dinitrotoluene	14.19	165	43790	10.769	ng	99
52) Acenaphthene	14.69	154	189690	8.993	ng	98
53) 3-Nitroaniline	14.51	138	50909	10.103	ng	# 97
54) 2,4-Dinitrophenol	14.72	184	9012	6.283	ng	# 35
55) Dibenzofuran	15.02	168	293201	9.483	ng	96
56) 4-Nitrophenol	14.82	139	36550	8.561	ng	94
57) 2,4-Dinitrotoluene	14.97	165	54886	10.924	ng	94
58) Fluorene	15.67	166	233512	9.207	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.24	232	51320m	8.831	ng	
60) Diethylphthalate	15.45	149	242608	8.828	ng	96
61) 4-Chlorophenyl-phenylether	15.67	204	110441	8.752	ng	95
62) 4-Nitroaniline	15.67	138	51773	9.559	ng	94
63) Azobenzene	15.96	77	279251	9.467	ng	95
65) 4,6-Dinitro-2-methylphenol	15.74	198	16722	8.233	ng	94
66) n-Nitrosodiphenylamine	15.88	169	203601	9.474	ng	98
67) 4-Bromophenyl-phenylether	16.56	248	66305	8.561	ng	97
68) Hexachlorobenzene	16.68	284	69949	9.000	ng	99
69) Atrazine	16.82	200	66752	10.506	ng	98
70) Pentachlorophenol	17.02	266	31165	7.212	ng	99
71) Phenanthrene	17.41	178	357098	9.740	ng	97
72) Anthracene	17.50	178	363453	9.768	ng	97
73) Carbazole	17.76	167	339514	9.104	ng	96
74) Di-n-butylphthalate	18.35	149	407000	9.031	ng	# 95
75) Fluoranthene	19.42	202	405277	9.562	ng	97
77) Benzidine	19.59	184	203149	11.401	ng	98
78) Pyrene	19.78	202	415868	9.777	ng	94
80) Butylbenzylphthalate	20.68	149	160993	8.009	ng	95
81) Benzo(a)anthracene	21.61	228	381007	9.298	ng	93
82) 3,3'-Dichlorobenzidine	21.52	252	138899	9.174	ng	100
83) Chrysene	21.67	228	352336	9.026	ng	96
84) Bis(2-ethylhexyl)phthalate	21.55	149	244059	8.364	ng	# 93
85) Di-n-octyl phthalate	22.75	149	400000	7.899	ng	99
87) Indeno(1,2,3-cd)pyrene	28.36	276	400368	8.864	ng	# 69
88) Benzo(b)fluoranthene	23.78	252	363883	9.284	ng	98
89) Benzo(k)fluoranthene	23.85	252	359968	9.713	ng	98
90) Benzo(a)pyrene	24.63	252	332390	9.019	ng	97
91) Dibenzo(a,h)anthracene	28.43	278	336693	9.242	ng	98
92) Benzo(g,h,i)perylene	29.45	276	333969	9.110	ng	100

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



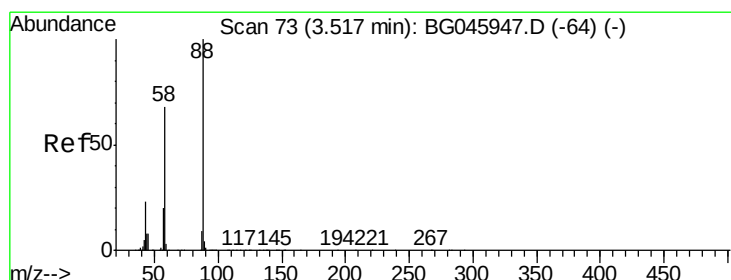
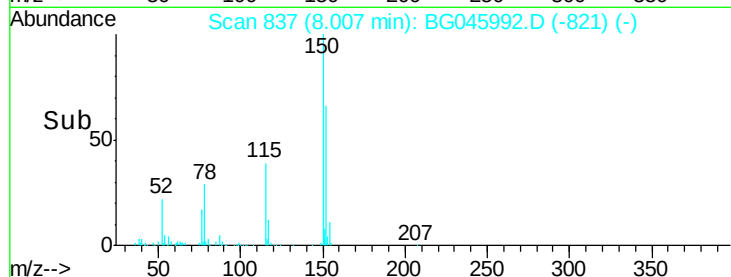
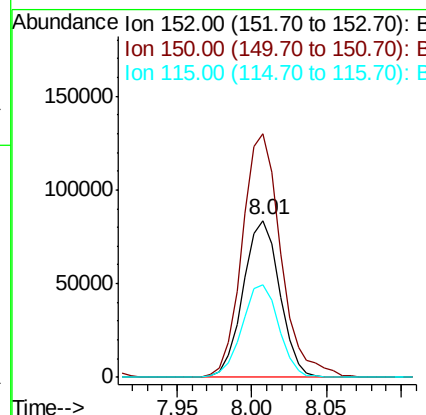
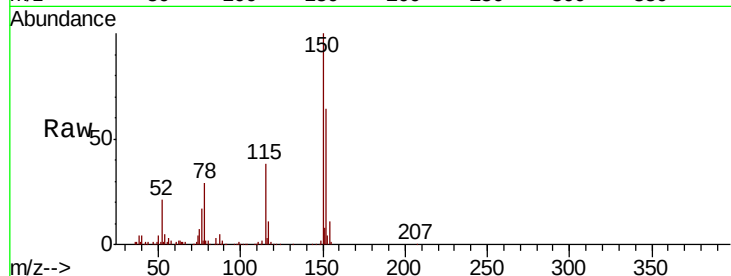
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.01 min Scan# 837
 Delta R.T. -0.00 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	116.7	175.1
115	58.8	47.4	71.0

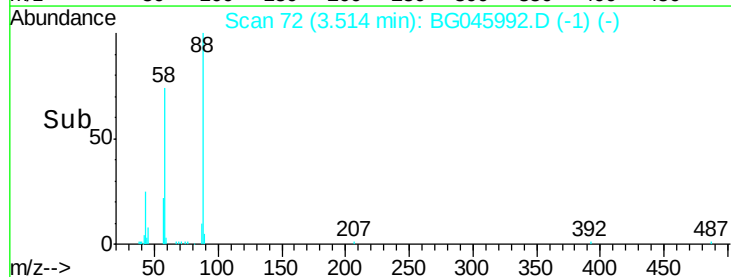
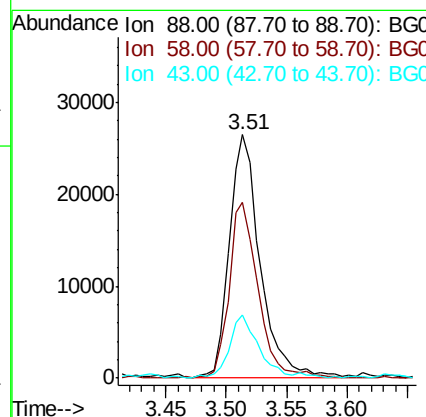
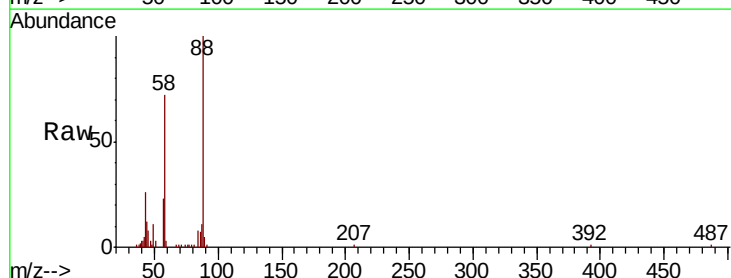
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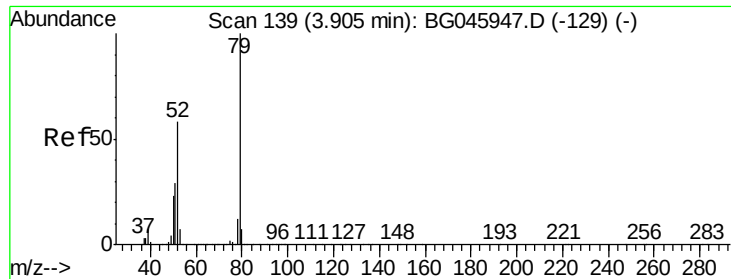
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#2
 1,4-Dioxane
 Concen: 11.640 ng
 RT: 3.51 min Scan# 72
 Delta R.T. -0.00 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.2	55.2	82.8
43	24.3	19.4	29.0





#3

Pvridine

Concen: 8.097 ng

RT: 3.90 min Scan# 138

Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

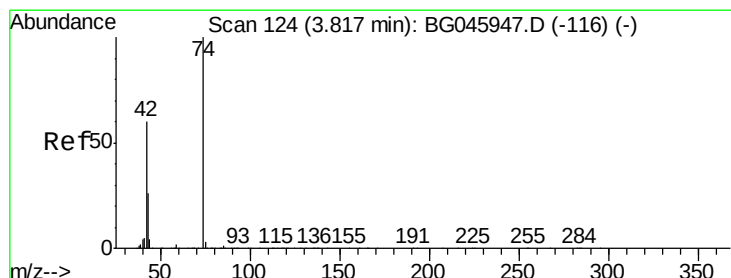
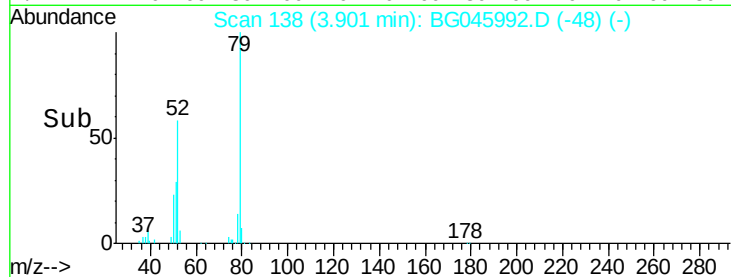
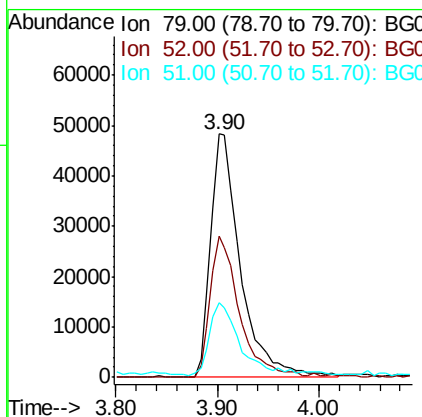
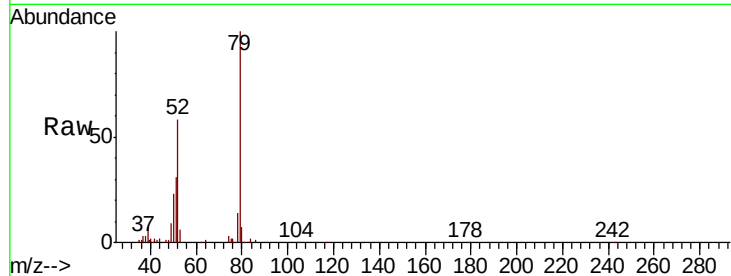
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	79	Resp:	98940
Ion	Ratio	Lower	Upper
79	100		
52	58.2	46.5	69.7
51	30.6	23.5	35.3

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#4

n-Nitrosodimethylamine

Concen: 9.861 ng

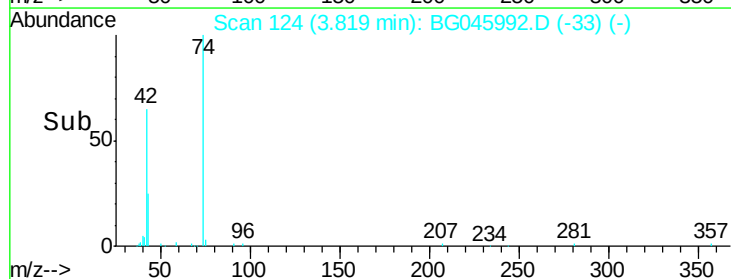
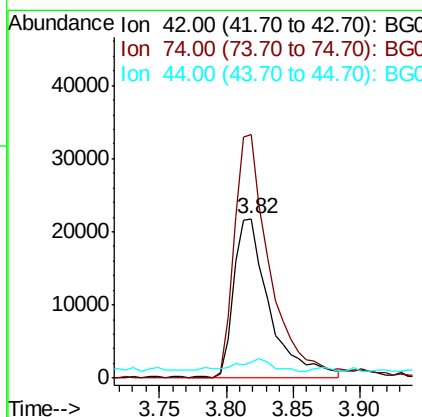
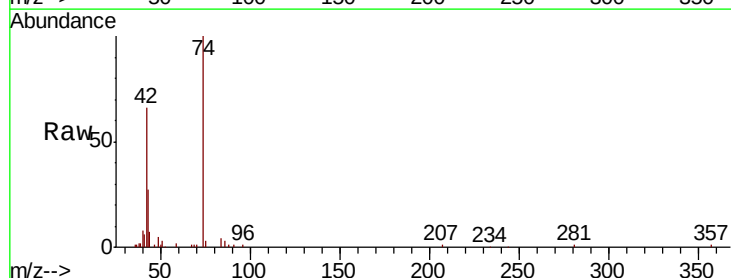
RT: 3.82 min Scan# 124

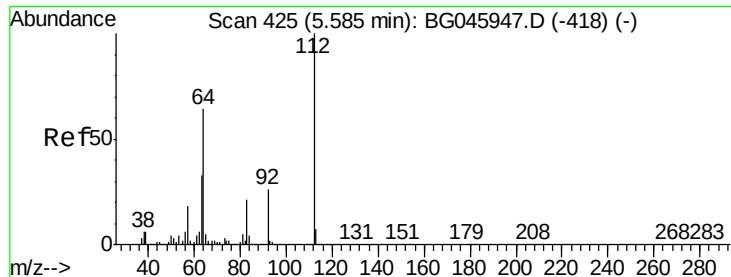
Delta R.T. 0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Tgt Ion:	42	Resp:	40745
Ion	Ratio	Lower	Upper
42	100		
74	152.4	131.9	197.9
44	10.2	7.7	11.5





#5

2-Fluorophenol

Concen: 97.178 ng

RT: 5.59 min Scan# 425

Delta R.T. 0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

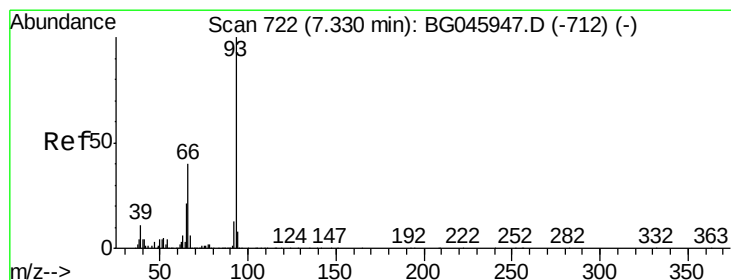
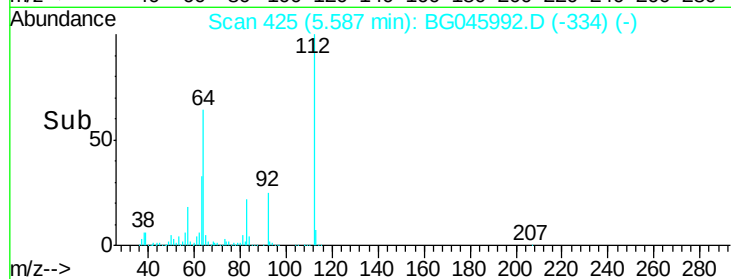
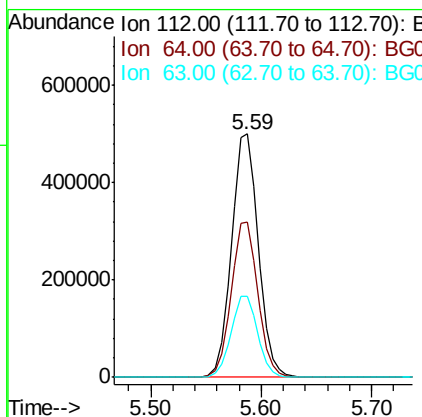
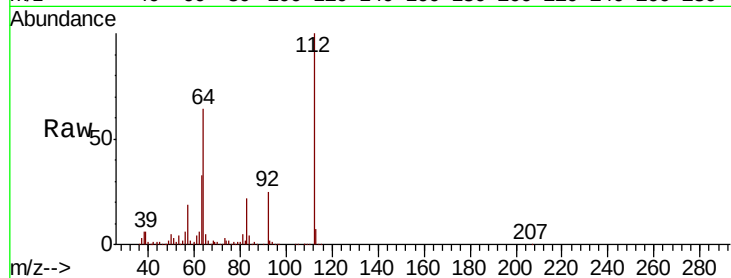
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	112	Resp:	851217
Ion Ratio	Lower	Upper	
112	100		
64	63.9	51.4	77.2
63	33.3	26.6	40.0

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#6

Aniline

Concen: 9.443 ng

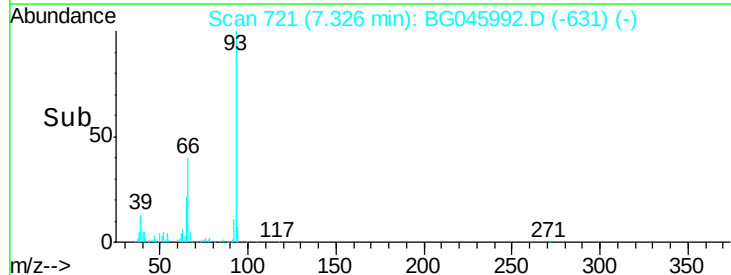
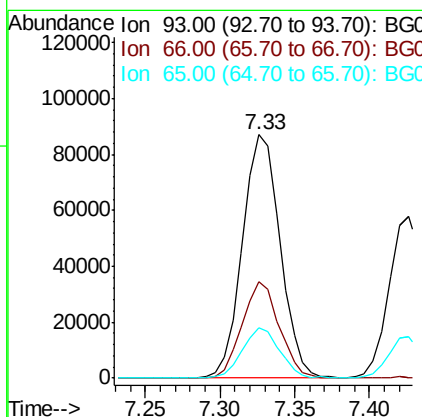
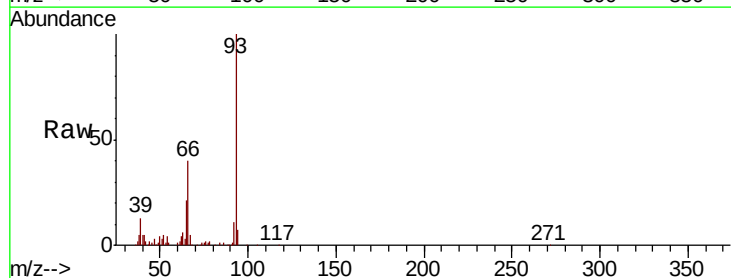
RT: 7.33 min Scan# 721

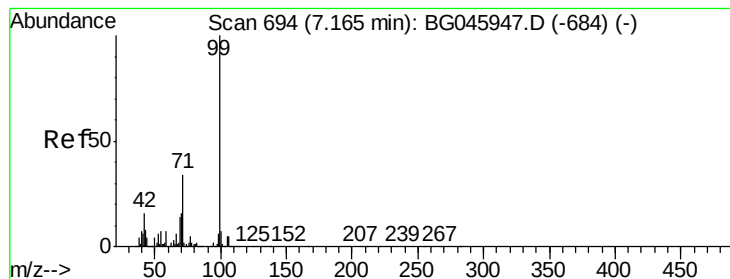
Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Tgt Ion:	93	Resp:	152336
Ion Ratio	Lower	Upper	
93	100		
66	39.6	32.3	48.5
65	20.7	16.6	25.0





#7

Phenol-d6

Concen: 98.954 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 99 Resp: 1247913

Ion Ratio Lower Upper

99 100

42 16.9 13.0 19.4

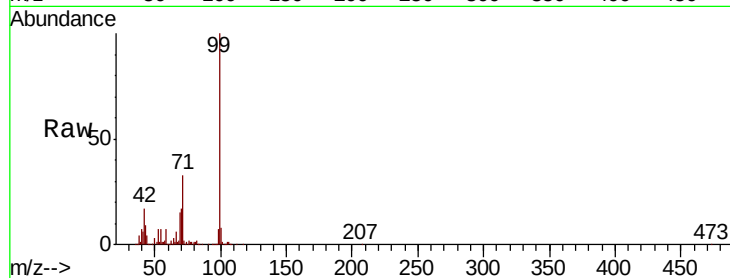
71 33.5 27.5 41.3

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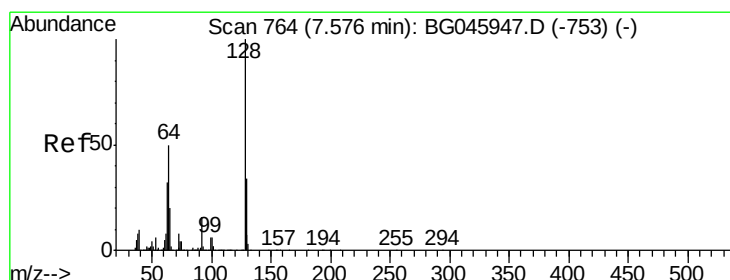
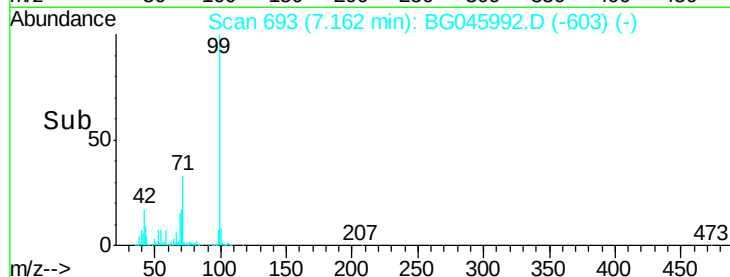
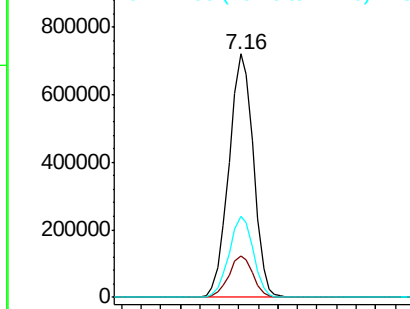
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Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 9.122 ng

RT: 7.57 min Scan# 763

Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

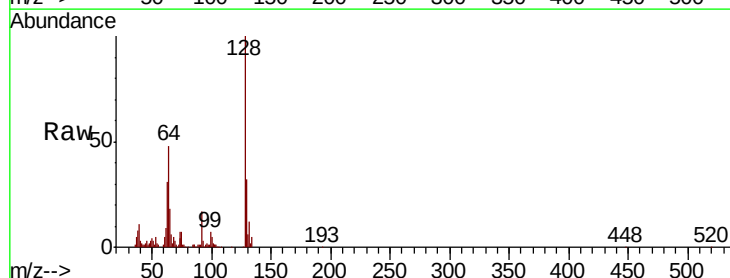
Tgt Ion:128 Resp: 86010

Ion Ratio Lower Upper

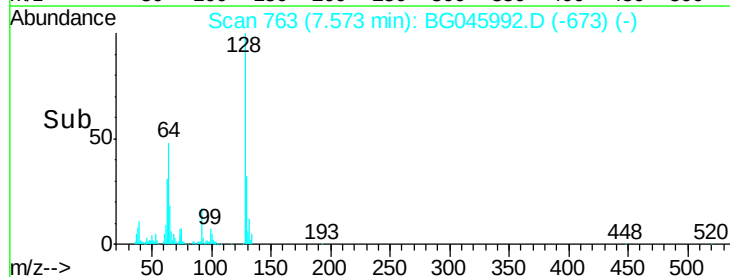
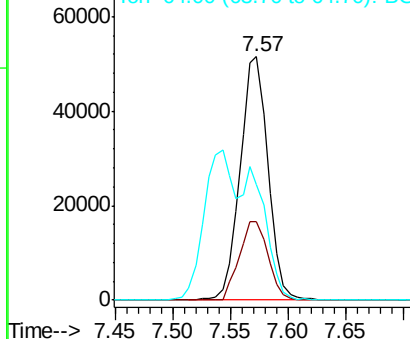
128 100

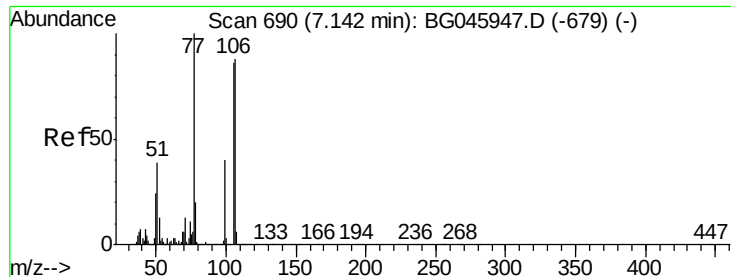
130 32.0 13.6 53.6

64 47.6 30.6 70.6



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 12.533 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

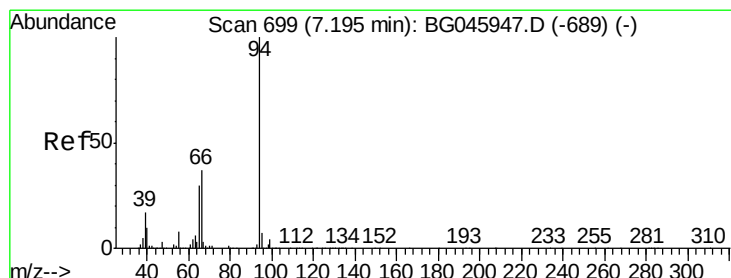
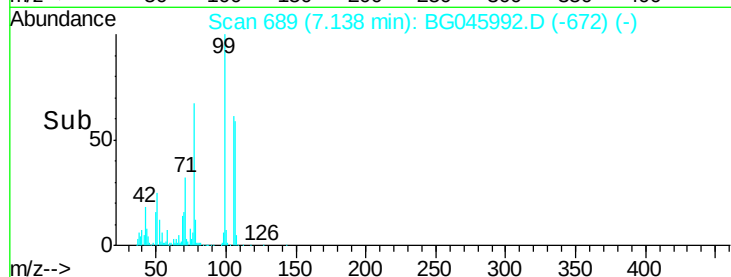
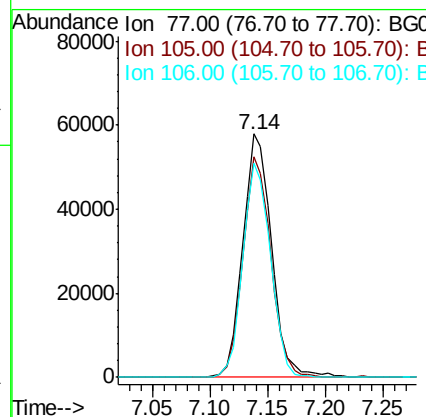
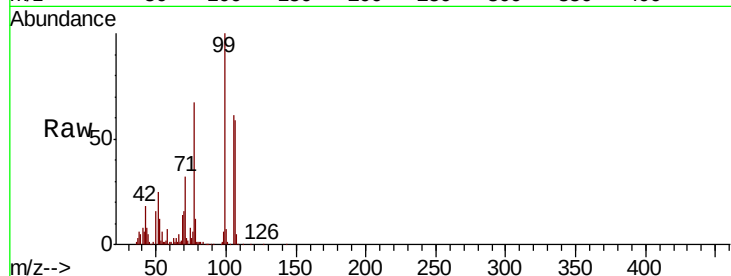
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	77	Resp:	100135
Ion Ratio	Lower	Upper	
77	100		
105	90.4	66.0	106.0
106	88.1	67.7	107.7

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#10

Phenol

Concen: 9.104 ng

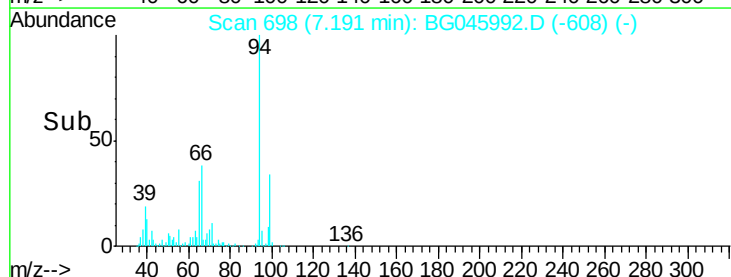
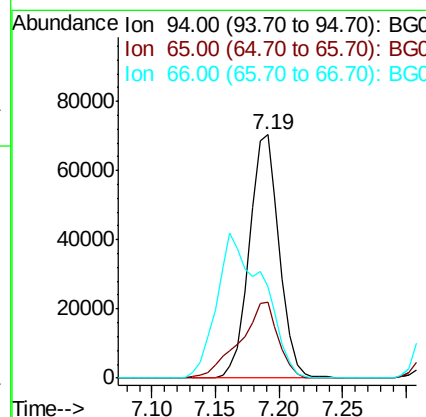
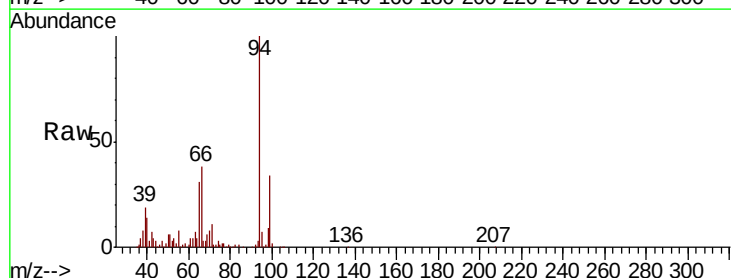
RT: 7.19 min Scan# 698

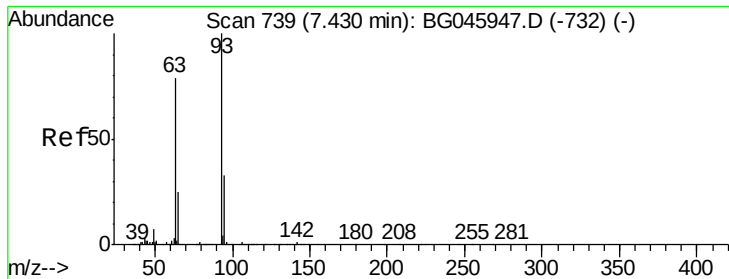
Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Tgt Ion:	94	Resp:	115166
Ion Ratio	Lower	Upper	
94	100		
65	31.2	10.6	50.6
66	37.5	17.1	57.1





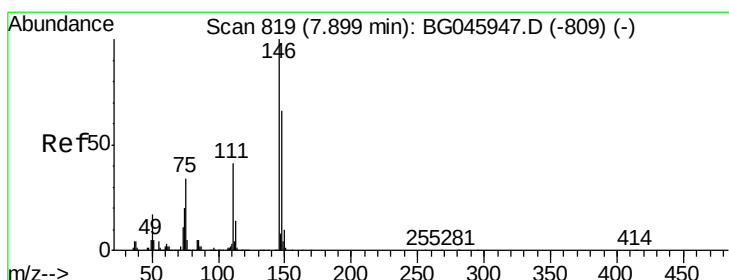
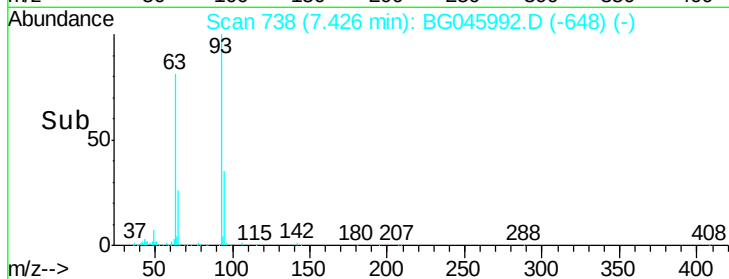
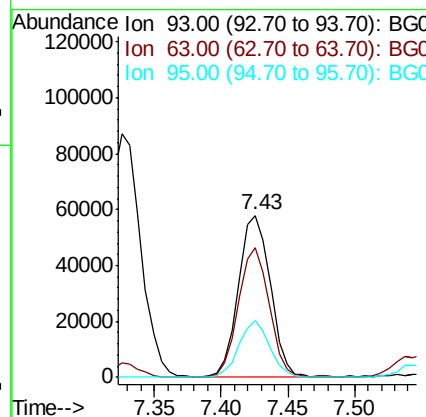
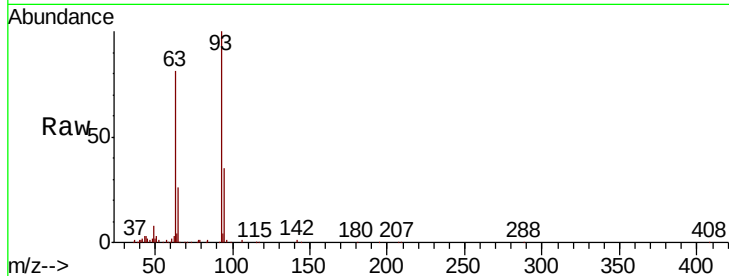
#11
bis(2-Chloroethyl)ether
Concen: 9.172 ng
RT: 7.43 min Scan# 738
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

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

Tot Ion	93	Resp	95945
Ion	Ratio	Lower	Upper
93	100		
63	80.5	58.6	98.6
95	35.3	13.3	53.3

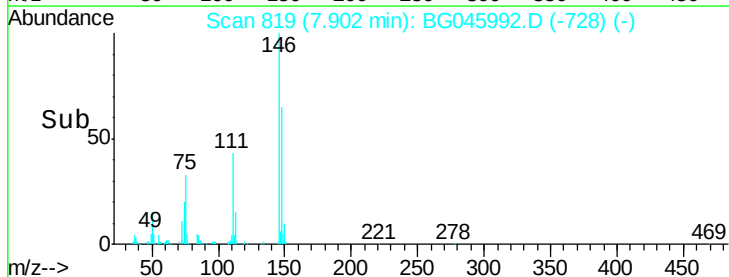
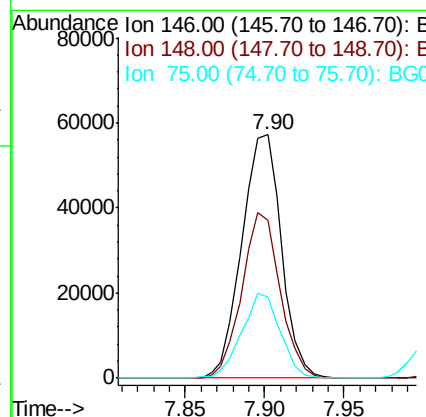
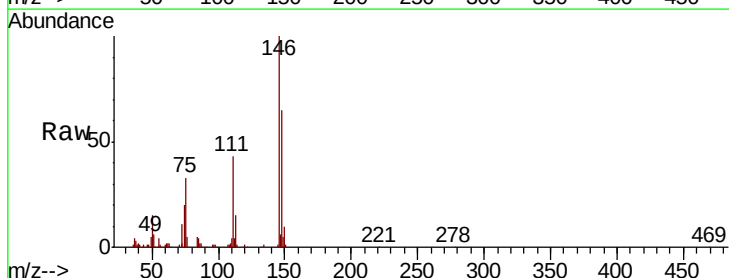
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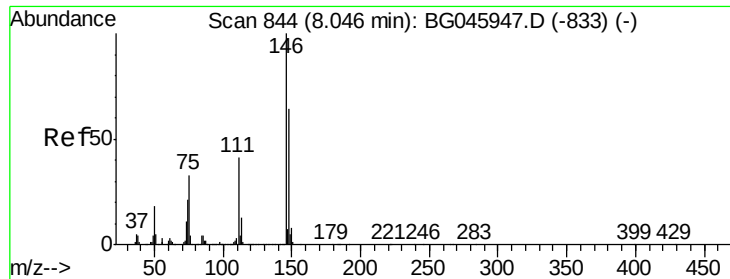
mohammad
7/10/2020 11:47:05 AM



#12
1,3-Dichlorobenzene
Concen: 9.123 ng
RT: 7.90 min Scan# 819
Delta R.T. 0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	146	Resp	99156
Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.8	79.2
75	33.5	27.2	40.8





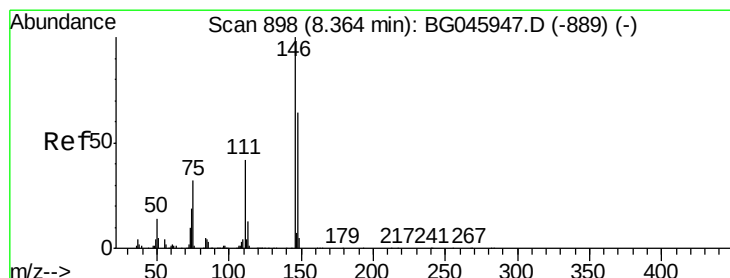
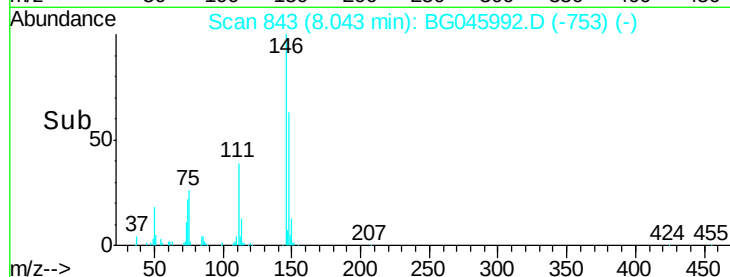
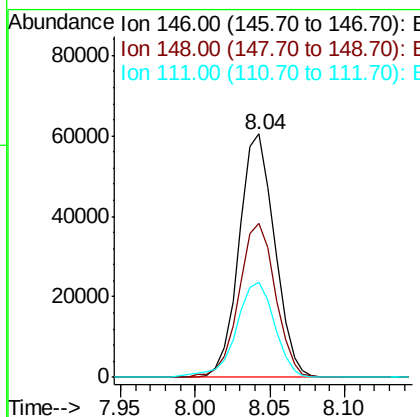
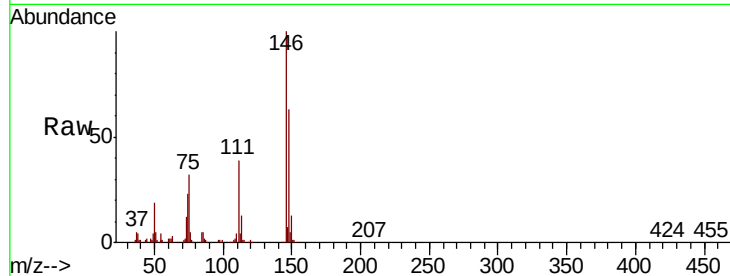
#13
1,4-Dichlorobenzene
Concen: 9.338 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.7	77.5
111	39.2	33.3	49.9

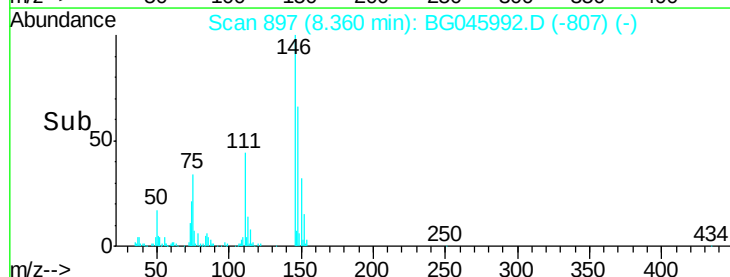
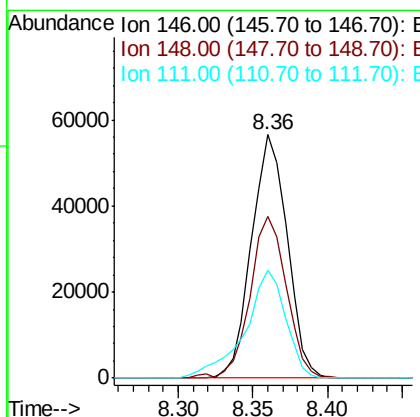
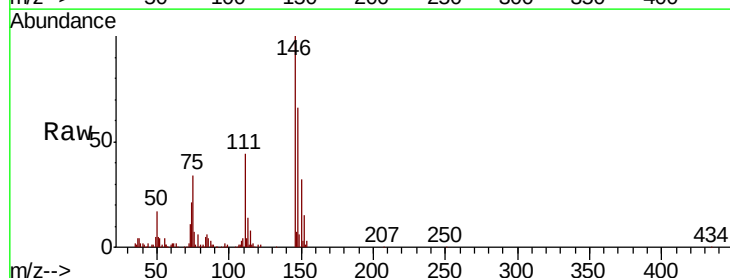
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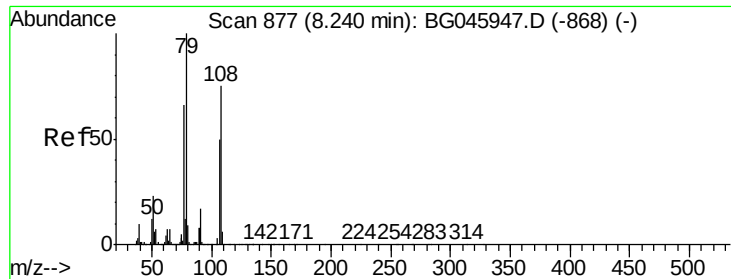
mohammad
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#14
1,2-Dichlorobenzene
Concen: 9.053 ng
RT: 8.36 min Scan# 897
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.2	51.6	77.4
111	44.4	34.0	51.0





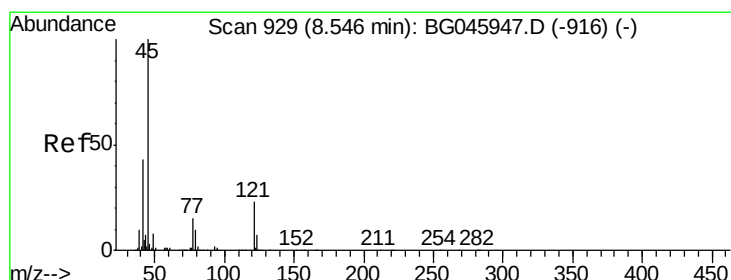
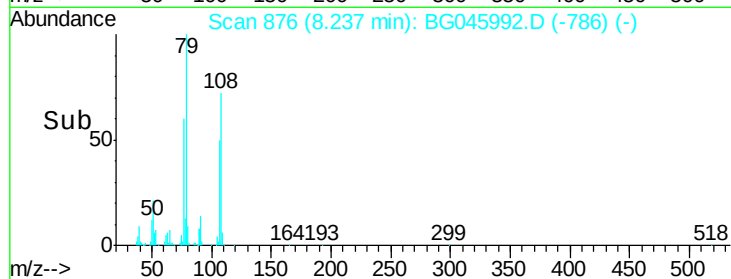
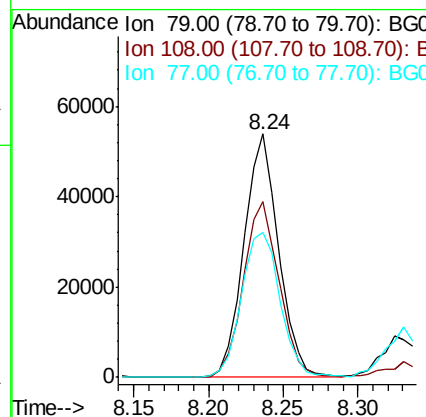
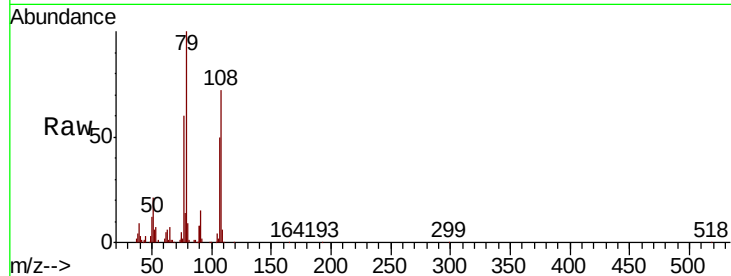
#15
Benzyl Alcohol
Concen: 8.776 ng
RT: 8.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Lower	Upper
79	100		
108	72.1	60.2	90.4
77	59.7	52.9	79.3

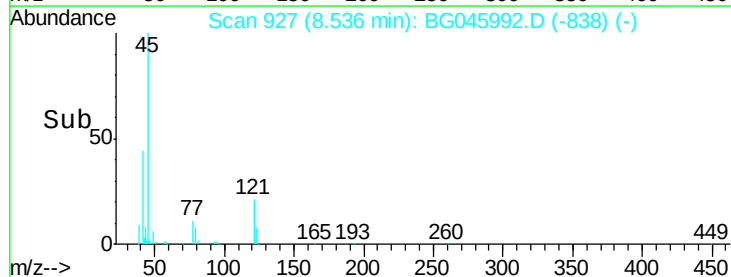
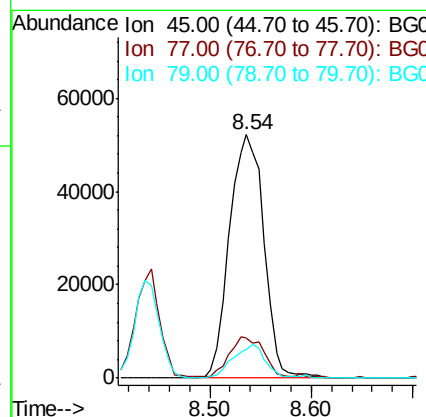
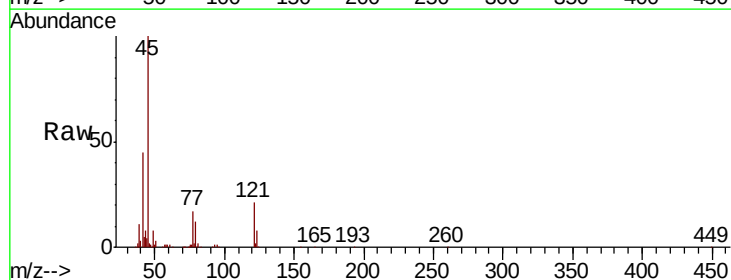
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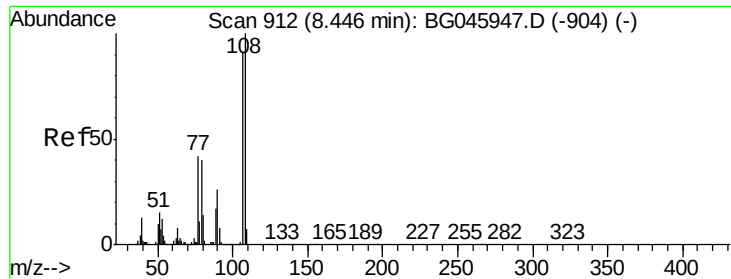
mohammad
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#16
2,2'-oxybis(1-chloropropane)
Concen: 8.961 ng
RT: 8.54 min Scan# 927
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
45	100		
77	16.6	0.0	37.6
79	11.7	0.0	32.6





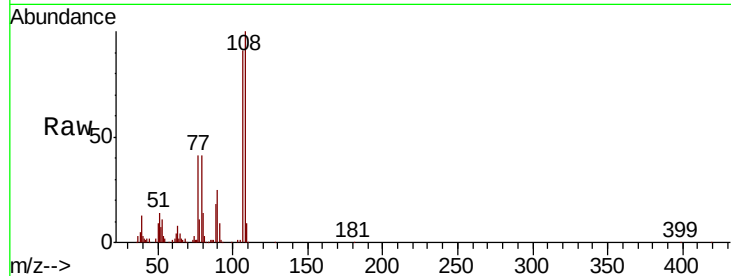
#17
2-Methylphenol
Concen: 8.490 ng
RT: 8.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

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

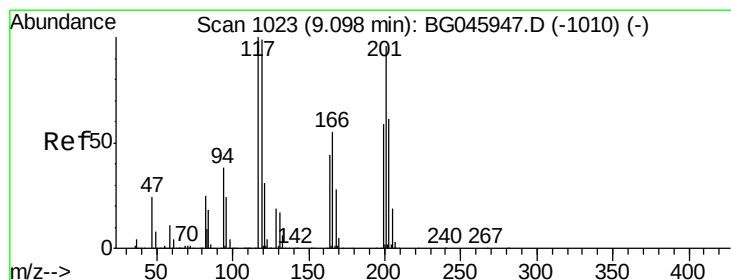
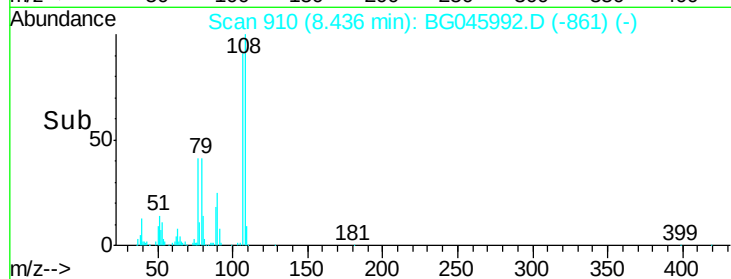
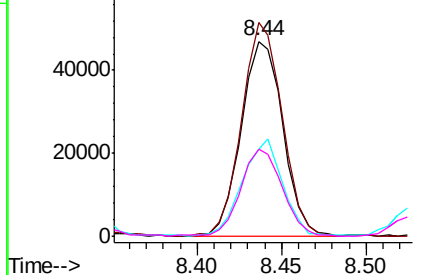
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	109.7	88.2	132.4	
77	44.5	37.0	55.4	
79	44.6	35.4	53.0	

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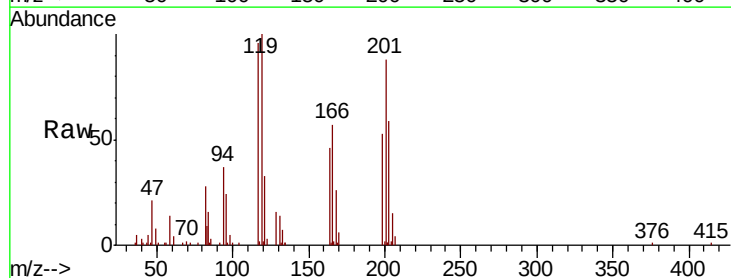


Abundance Ion 107.00 (106.70 to 107.70): E
80000 Ion 108.00 (107.70 to 108.70): E
60000 Ion 77.00 (76.70 to 77.70): BG
40000 Ion 79.00 (78.70 to 79.70): BG
20000
0

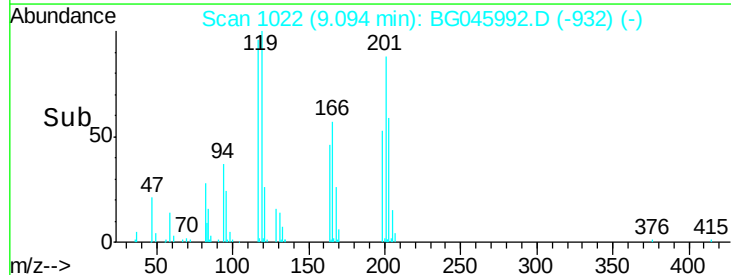
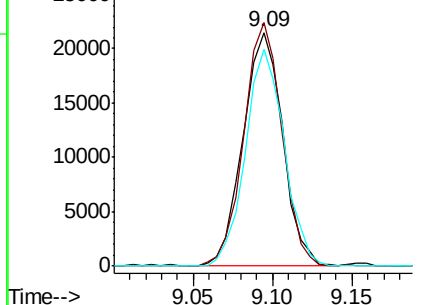


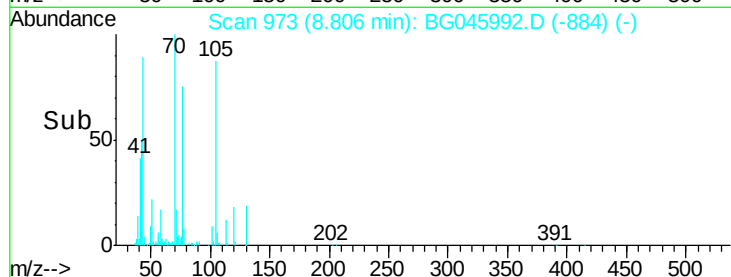
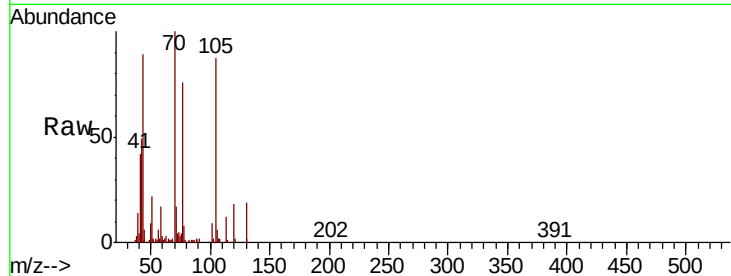
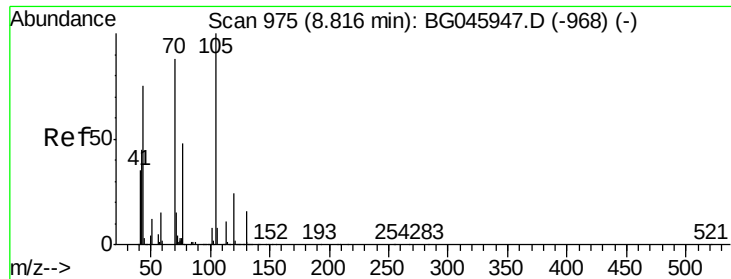
#18
Hexachloroethane
Concen: 9.107 ng
RT: 9.09 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	104.2	79.5	119.3	
201	92.7	77.0	115.4	



Abundance Ion 117.00 (116.70 to 117.70): E
30000 Ion 119.00 (118.70 to 119.70): E
25000 Ion 201.00 (200.70 to 201.70): E
20000
15000
10000
5000
0





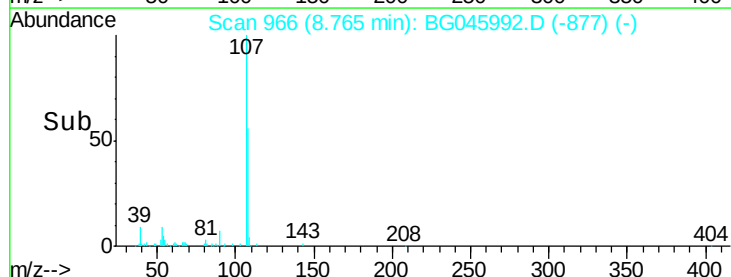
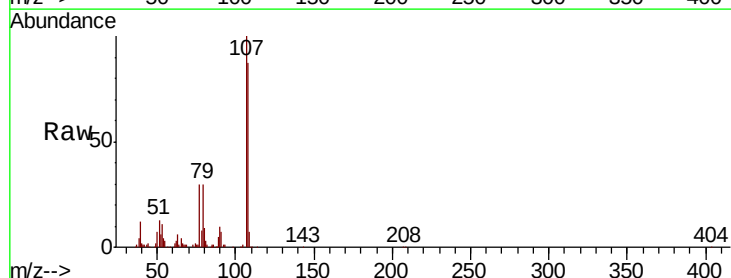
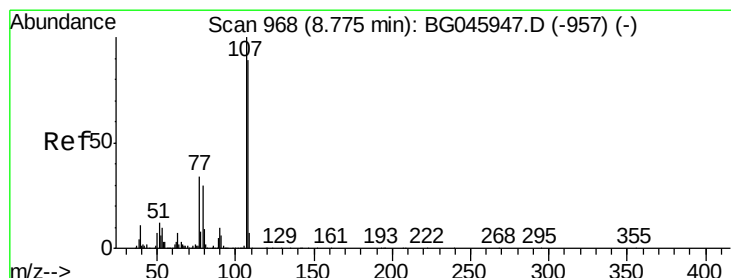
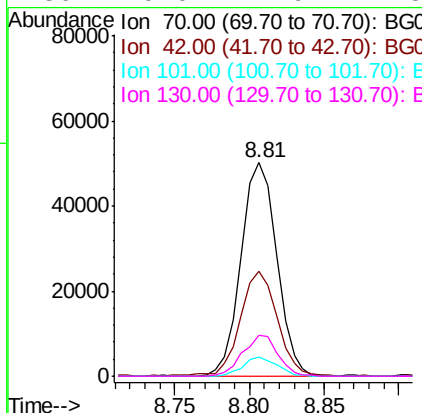
#19
n-Nitroso-di-n-propylamine
Concen: 9.409 ng
RT: 8.81 min Scan# 973
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

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

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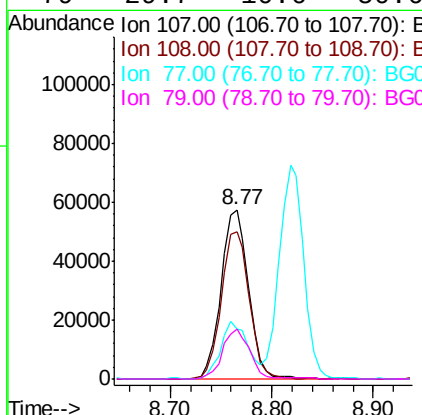
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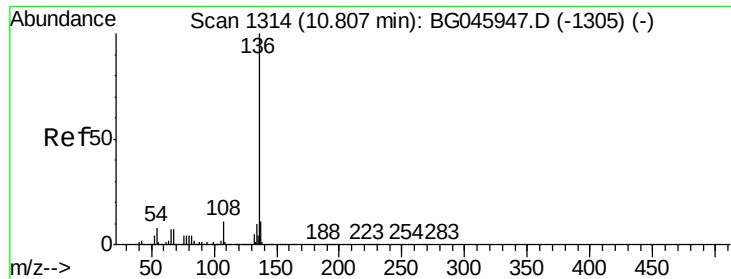
Tot Ion	Ratio	Lower	Upper
70	100		
42	48.9	41.4	62.0
101	8.9	7.1	10.7
130	19.0	14.9	22.3



#20
3+4-Methylphenols
Concen: 8.368 ng
RT: 8.77 min Scan# 966
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.1	68.7	108.7
77	29.8	14.6	54.6
79	29.7	10.6	50.6





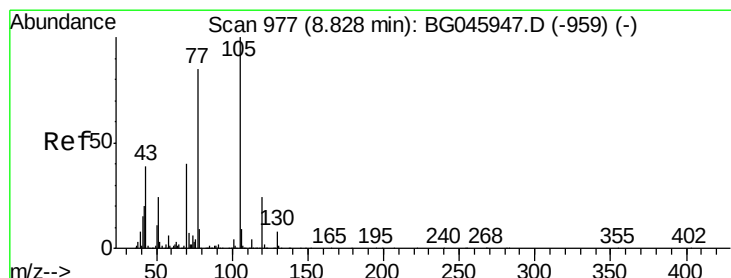
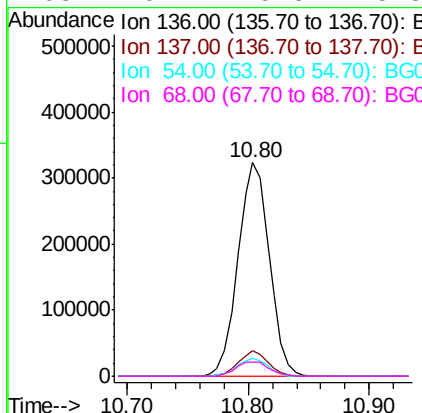
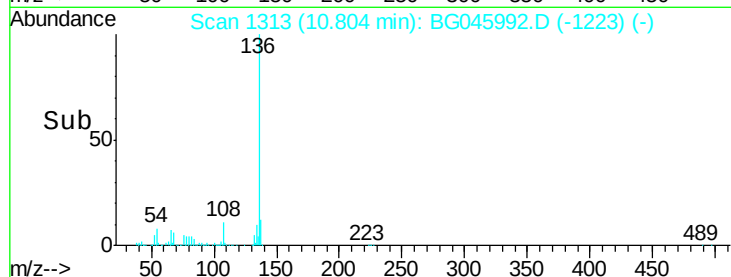
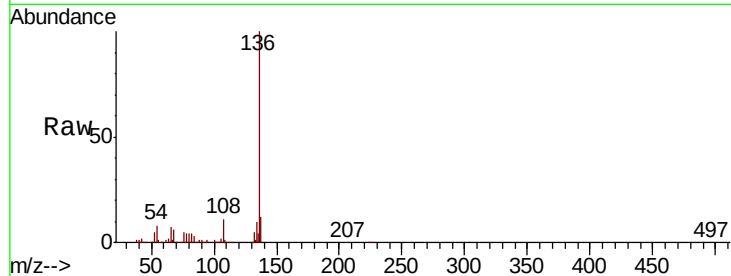
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100	582463		
137	11.7		9.2	13.8
54	8.4		6.2	9.4
68	6.4		5.8	8.8

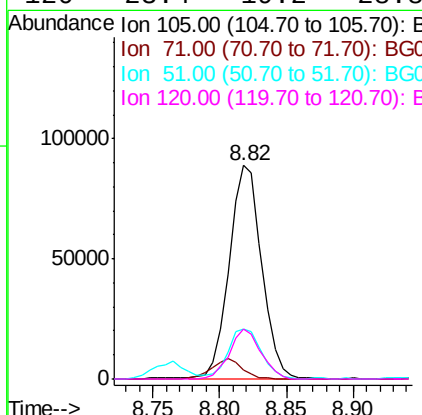
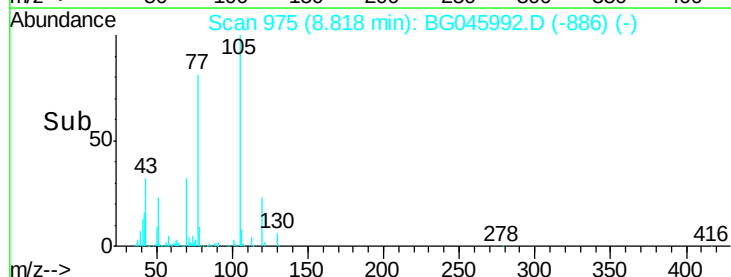
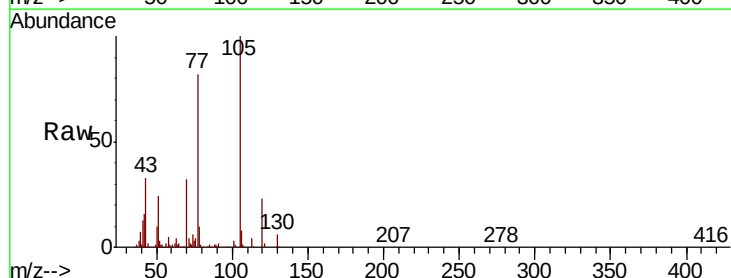
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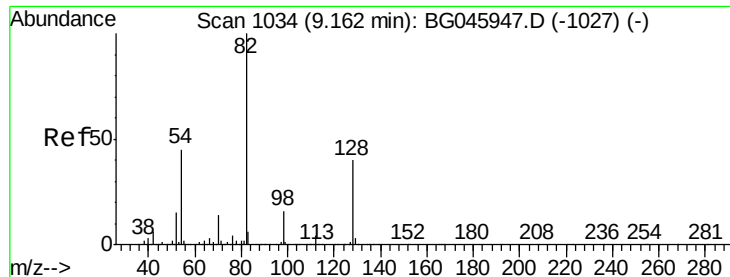
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#22
Acetophenone
Concen: 9.708 ng
RT: 8.82 min Scan# 975
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	151061		
71	4.4		6.2	9.2#
51	23.6		19.7	29.5
120	23.4		19.2	28.8





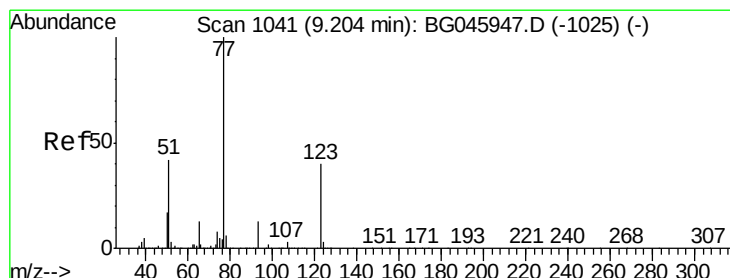
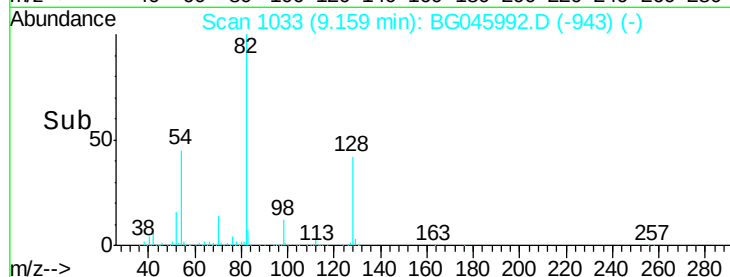
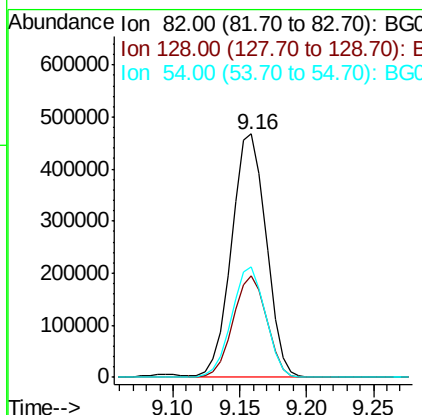
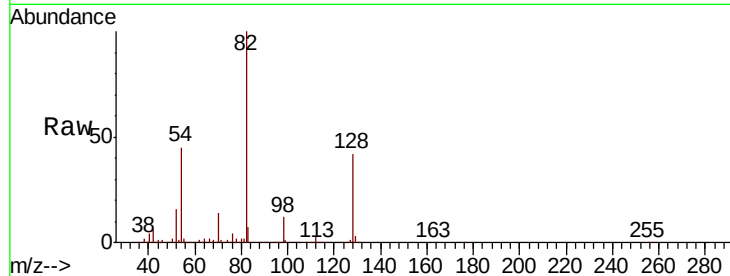
#23
 Nitrobenzene-d5
 Concen: 83.125 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

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

Tot Ion	82	Resp	841193
Ion Ratio	100	Lower	Upper
82	100		
128	41.9	32.2	48.4
54	45.2	35.8	53.6

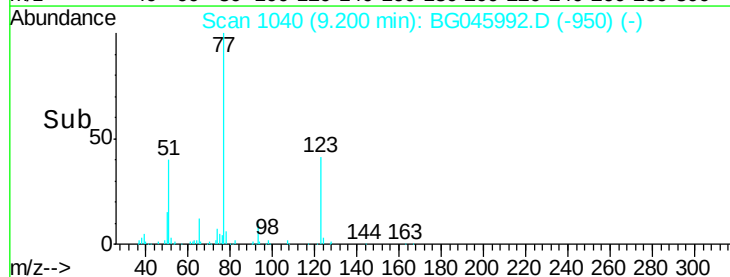
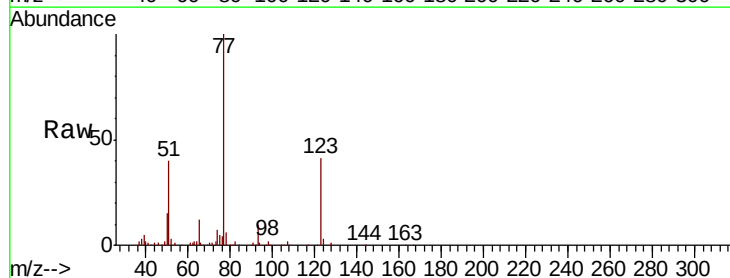
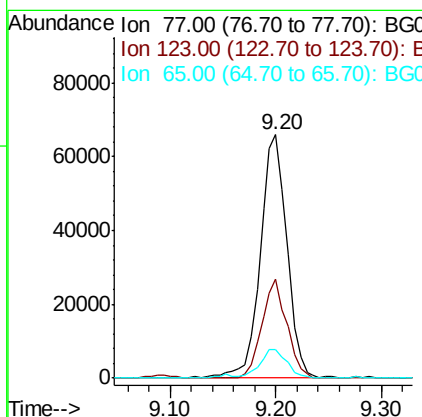
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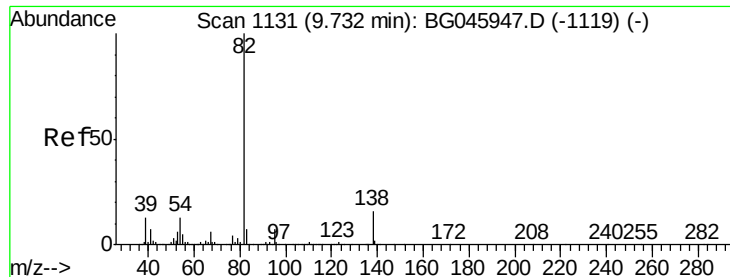
mohammad
 7/10/2020 11:47:05 AM



#24
 Nitrobenzene
 Concen: 10.364 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

Tgt Ion	77	Resp	115759
Ion Ratio	100	Lower	Upper
77	100		
123	40.5	32.7	49.1
65	11.6	10.2	15.4





#25

Isophorone

Concen: 8.842 ng

RT: 9.72 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

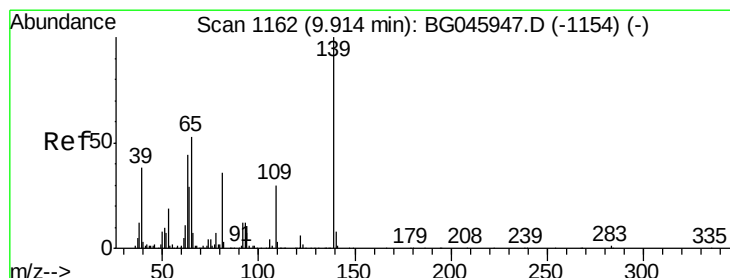
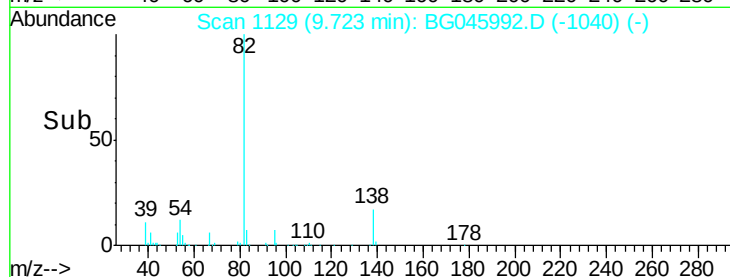
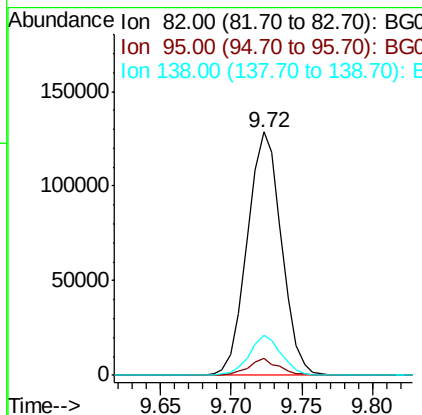
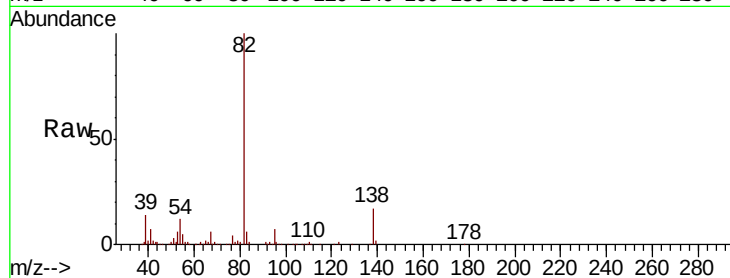
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	82	Resp:	218423
Ion Ratio		Lower	Upper
82	100		
95	7.1	5.8	8.6
138	16.7	12.9	19.3

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#26

2-Nitrophenol

Concen: 9.446 ng

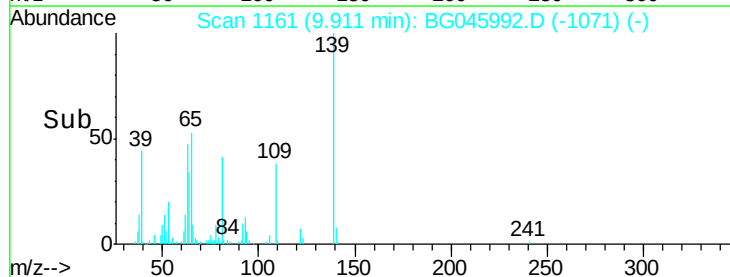
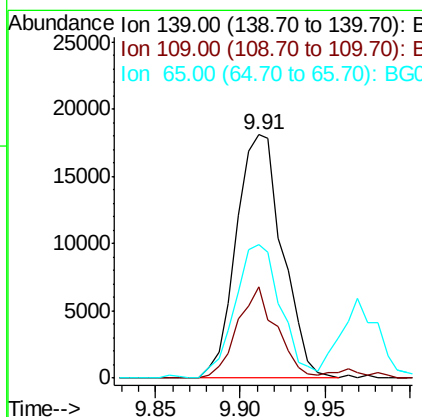
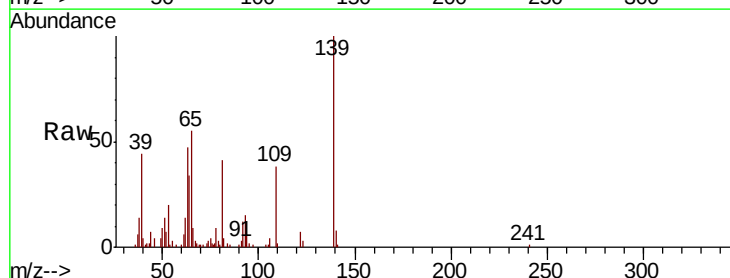
RT: 9.91 min Scan# 1161

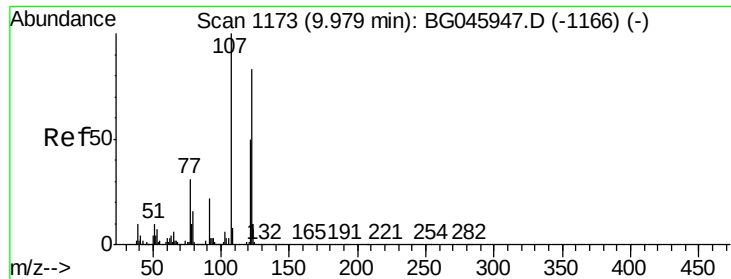
Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Tgt Ion:	139	Resp:	34389
Ion Ratio		Lower	Upper
139	100		
109	37.6	24.6	37.0#
65	54.6	42.6	64.0





#27

2,4-Dimethylphenol

Concen: 9.297 ng

RT: 9.97 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BG045992.D

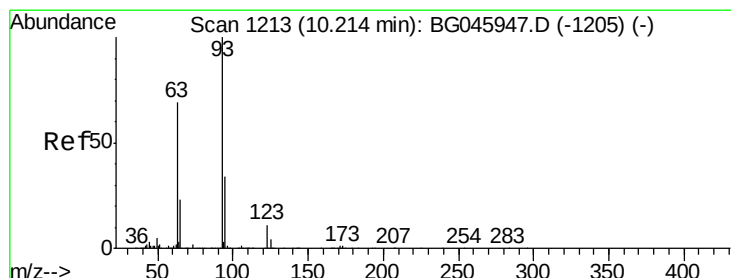
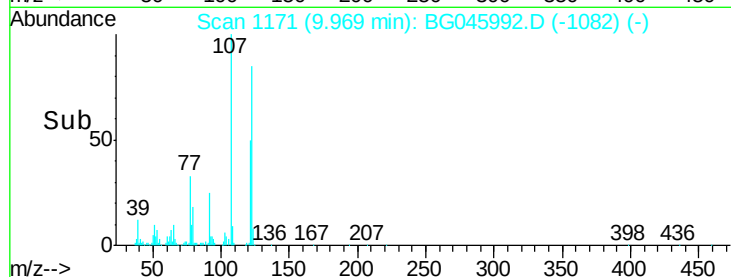
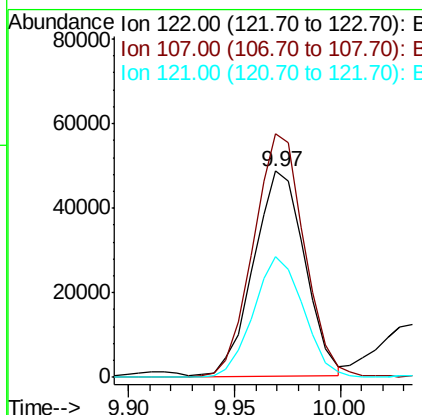
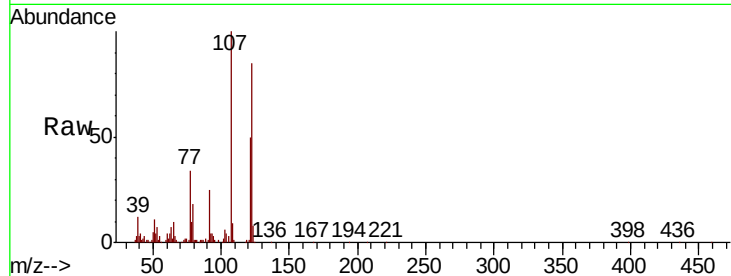
Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Lower	Upper
122	100		
107	118.0	95.6	143.4
121	58.7	47.7	71.5

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#28

bis(2-Chloroethoxy)methane

Concen: 9.268 ng

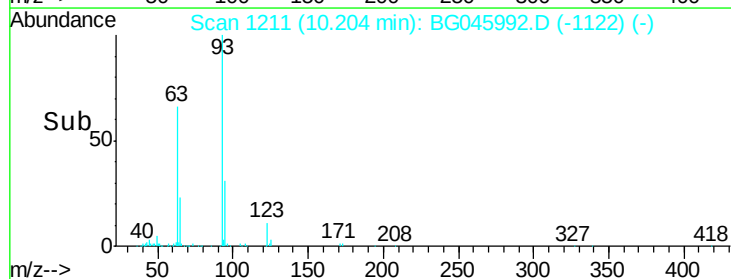
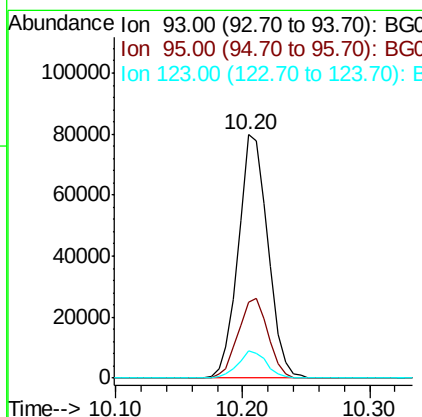
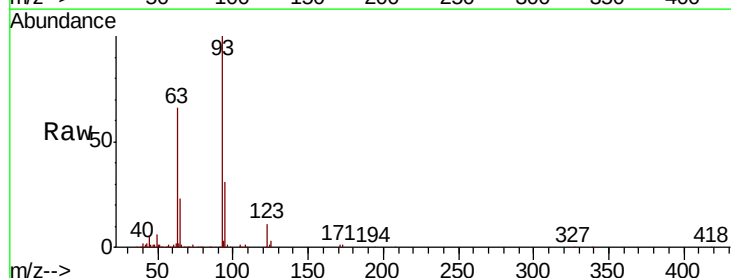
RT: 10.20 min Scan# 1211

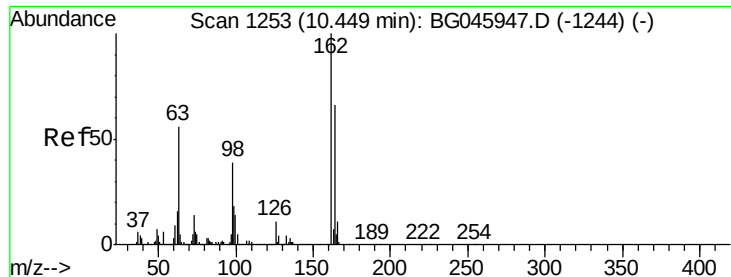
Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.2	27.5	41.3
123	11.0	9.2	13.8





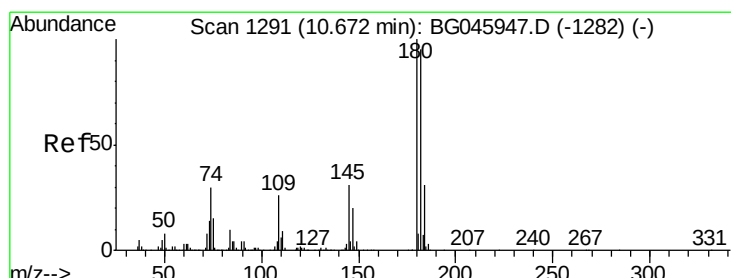
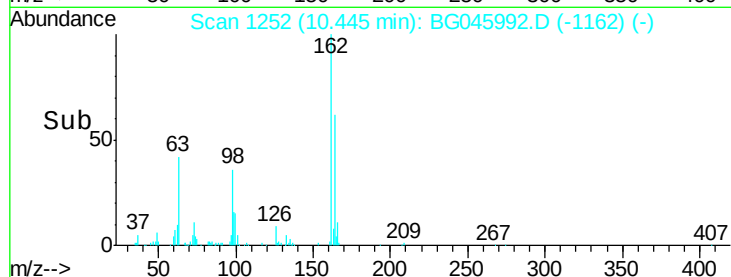
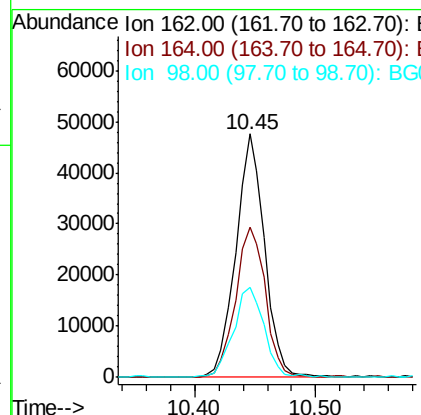
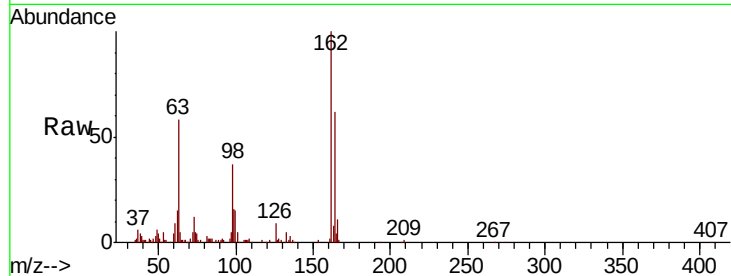
#29
 2,4-Dichlorophenol
 Concen: 8.670 ng
 RT: 10.45 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Lower	Upper
162	100		
164	61.6	46.0	86.0
98	36.9	19.2	59.2

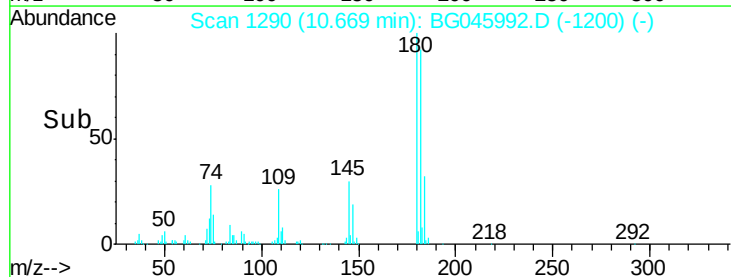
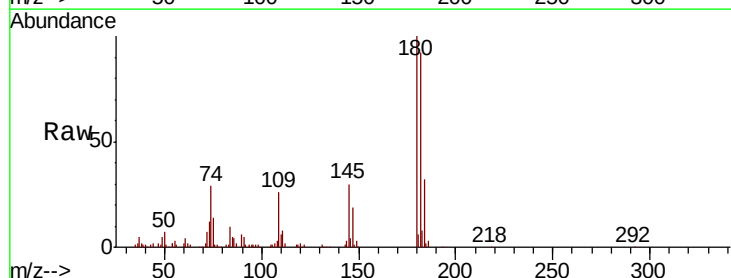
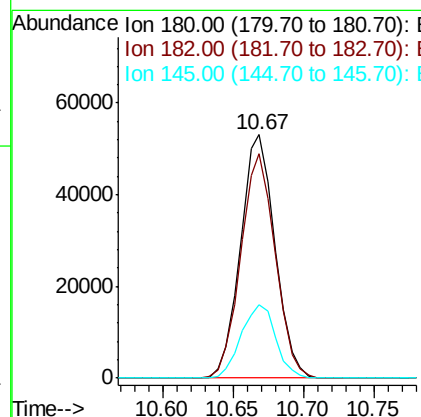
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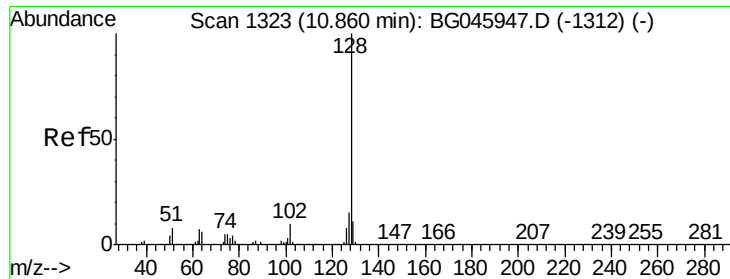
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#30
 1,2,4-Trichlorobenzene
 Concen: 8.980 ng
 RT: 10.67 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.1	76.3	114.5
145	30.1	24.8	37.2





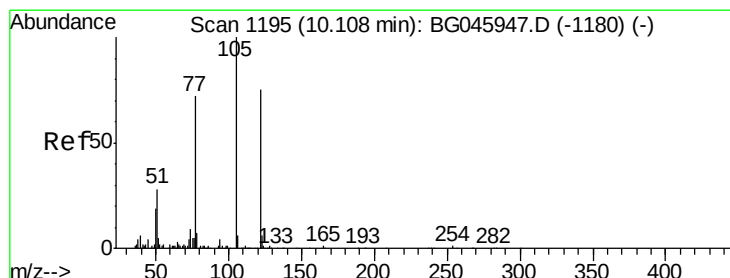
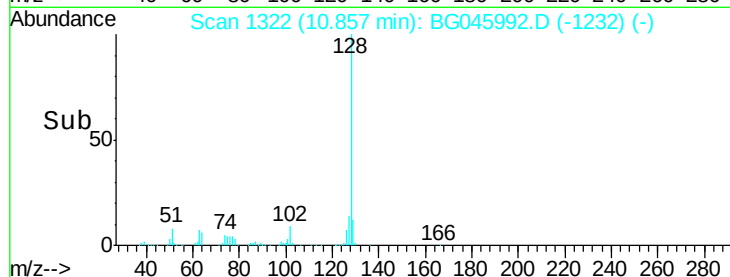
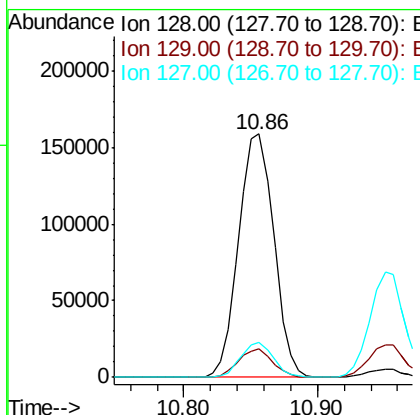
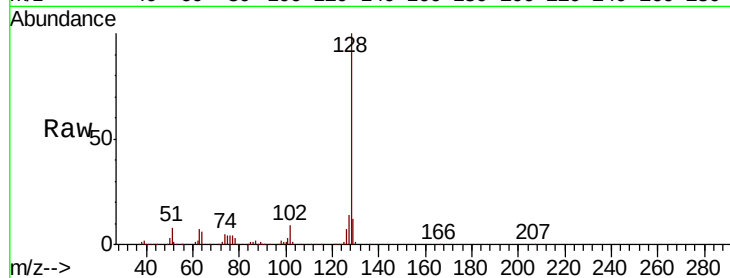
#31
Naphthalene
Concen: 9.310 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Resp	Lower	Upper
128	100	290692		
129	11.6		9.2	13.8
127	14.1		11.8	17.6

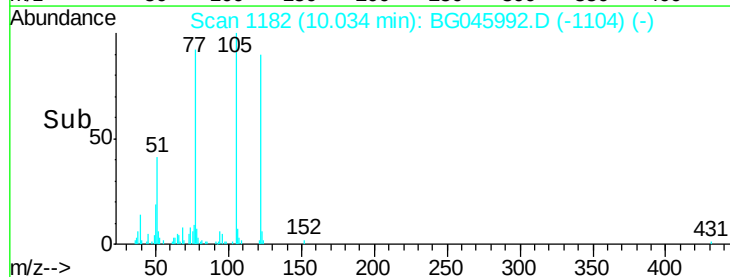
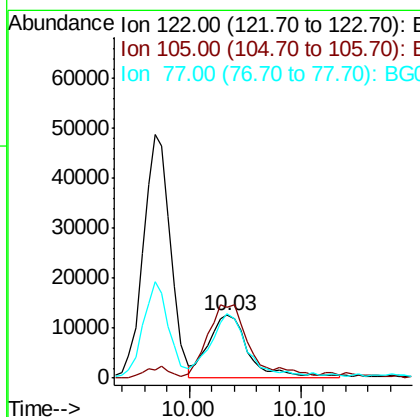
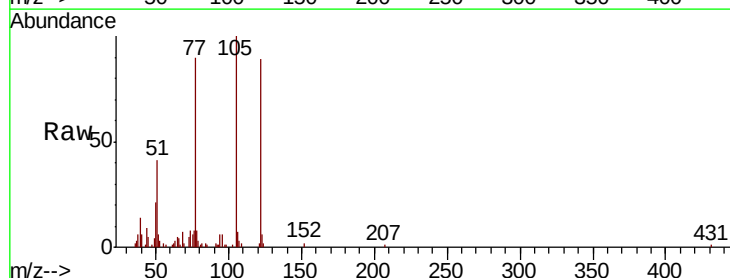
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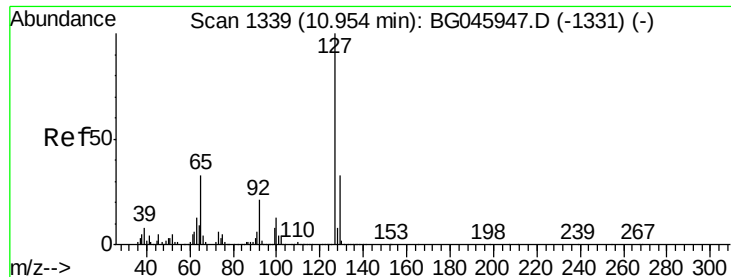
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#32
Benzoic acid
Concen: 6.725 ng m
RT: 10.03 min Scan# 1182
Delta R.T. -0.07 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	32019		
105	112.6		110.8	150.8
77	101.8		76.4	116.4





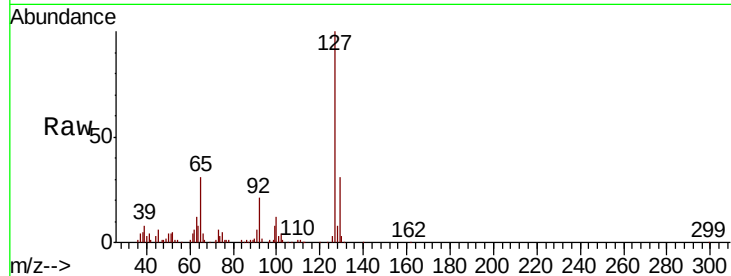
#33
4-Chloroaniline
Concen: 8.711 ng
RT: 10.95 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Lower	Upper
127	100		
129	30.8	26.6	39.8
65	31.4	26.8	40.2
92	20.7	17.0	25.4

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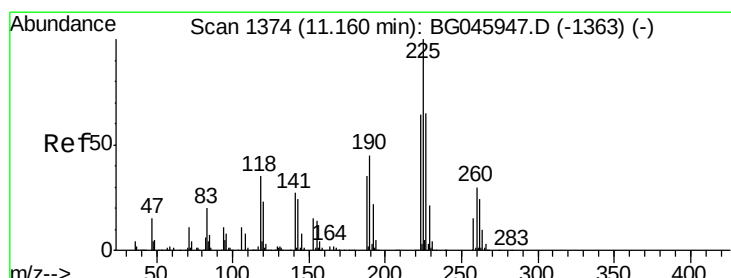
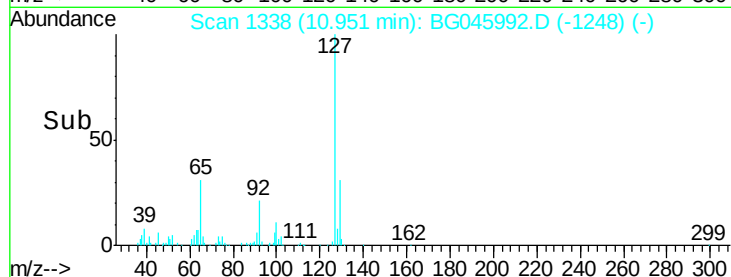
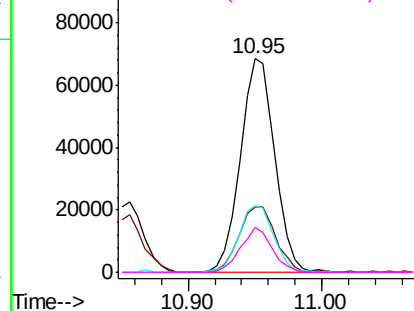
Abundance

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: 8.201 ng
RT: 11.16 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

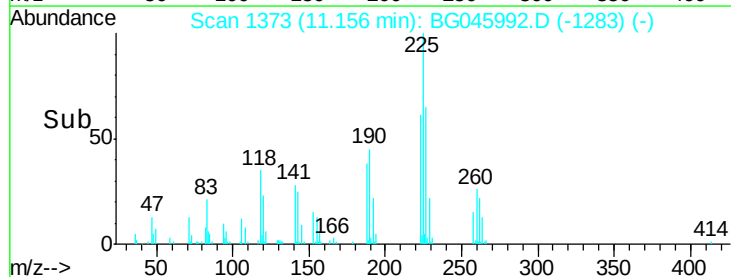
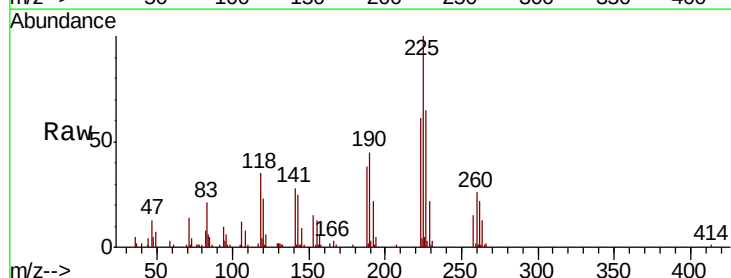
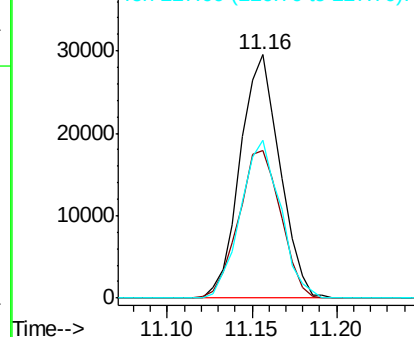
Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.5	51.2	76.8
227	64.8	52.3	78.5

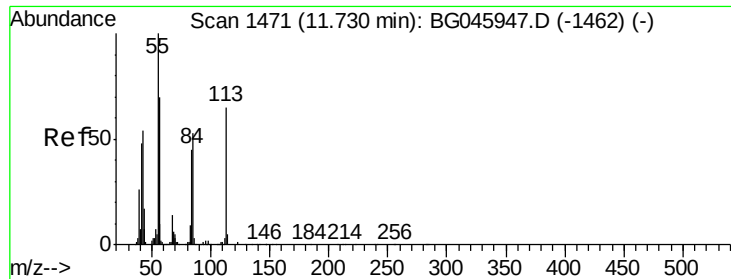
Abundance

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





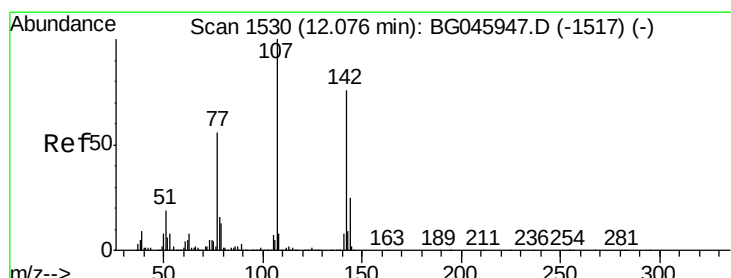
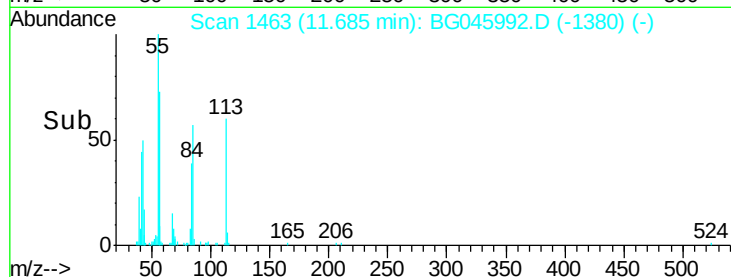
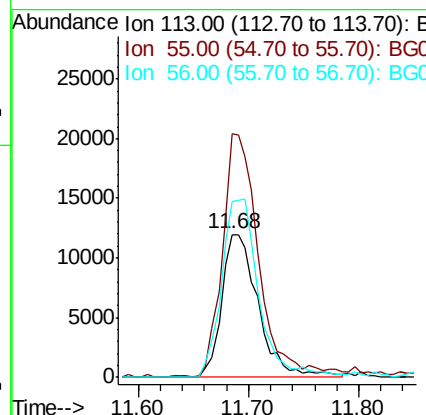
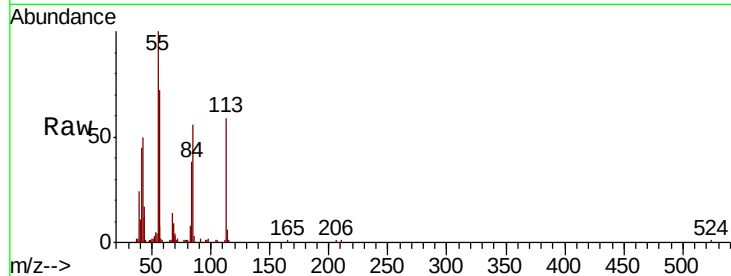
#35
Caprolactam
Concen: 7.997 ng
RT: 11.68 min Scan# 1463
Delta R.T. -0.04 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

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

Tot Ion:113 Resp: 27638
Ion Ratio Lower Upper
113 100
55 170.3 141.6 181.6
56 123.2 89.6 129.6

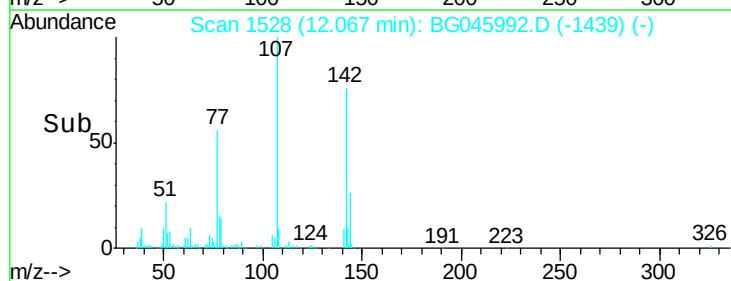
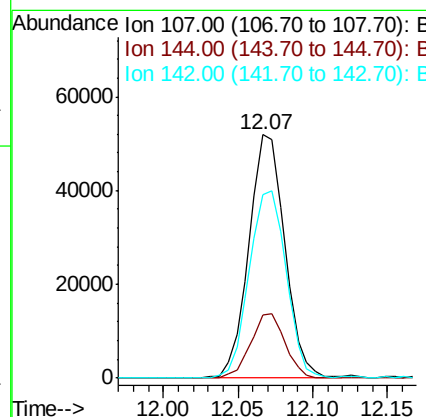
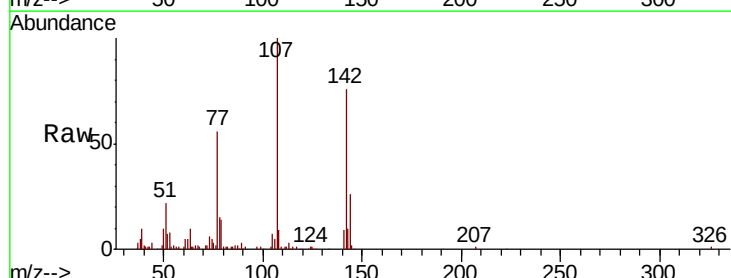
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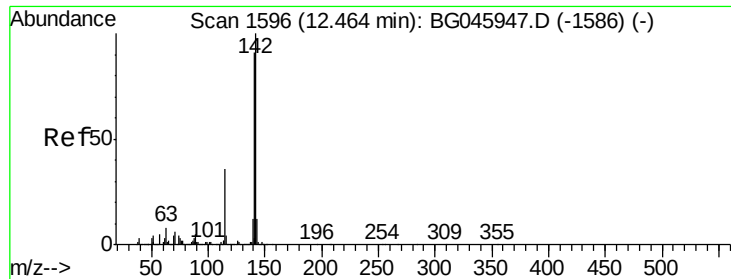
mohammad
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#36
4-Chloro-3-methylphenol
Concen: 8.328 ng
RT: 12.07 min Scan# 1528
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion:107 Resp: 86345
Ion Ratio Lower Upper
107 100
144 25.8 20.0 30.0
142 75.5 61.1 91.7





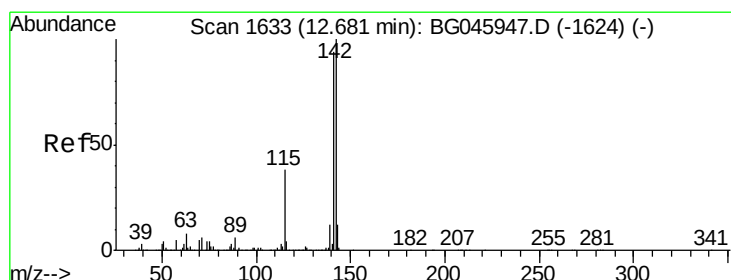
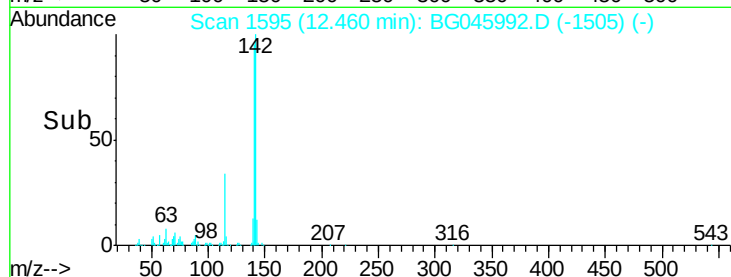
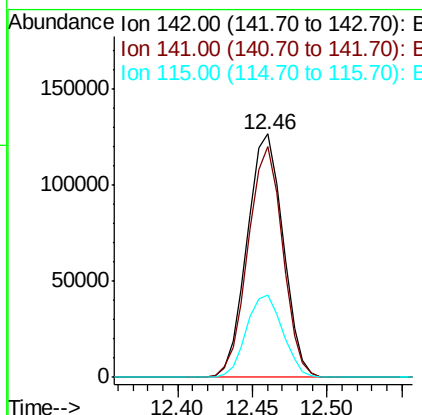
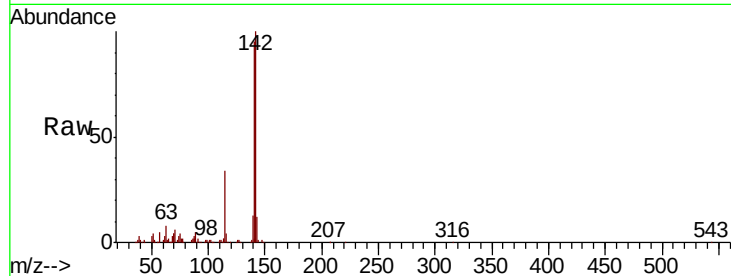
#37
2-Methylnaphthalene
Concen: 9.490 ng
RT: 12.46 min Scan# 1595
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	95.0	73.0	109.6
115	33.8	28.8	43.2

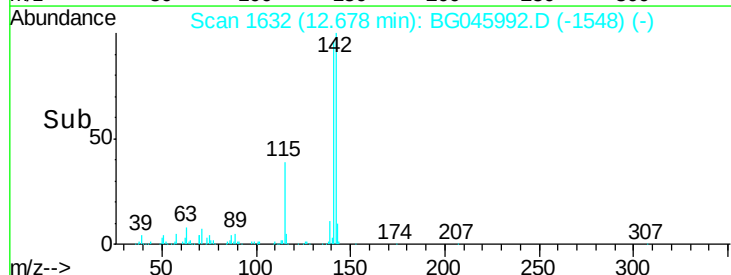
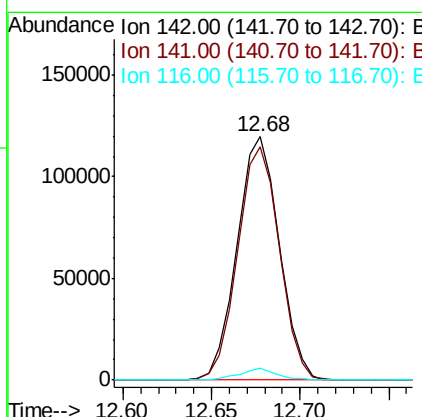
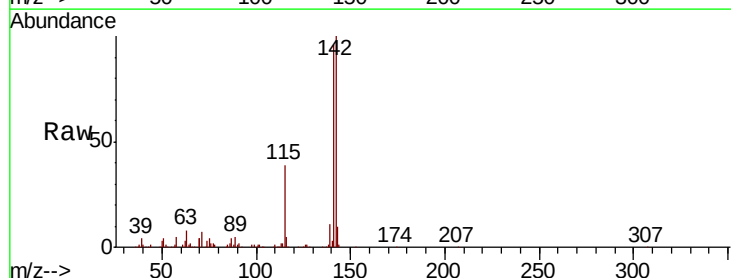
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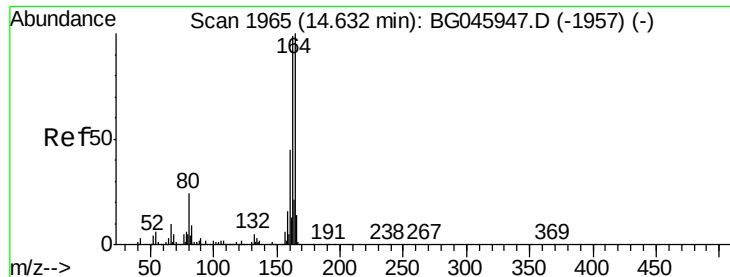
mohammad
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#38
1-Methylnaphthalene
Concen: 9.442 ng m
RT: 12.68 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.6	75.2	112.8
116	4.9	3.1	4.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:164 Resp: 349188

Ion Ratio Lower Upper

164 100

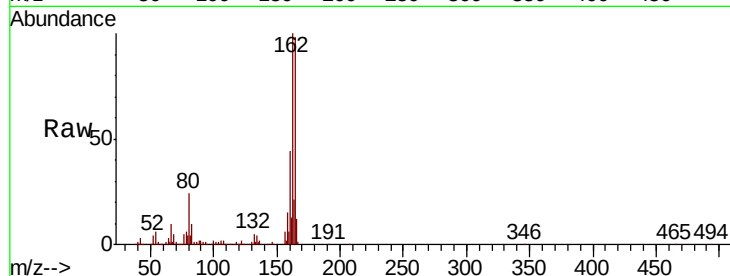
162 101.8 79.3 118.9

160 44.7 35.7 53.5

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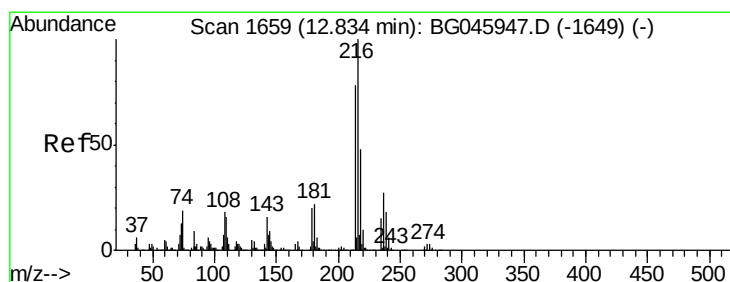
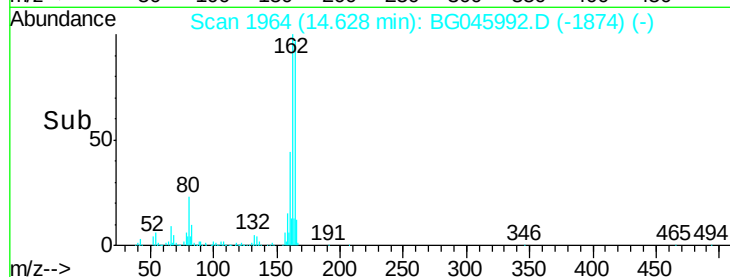
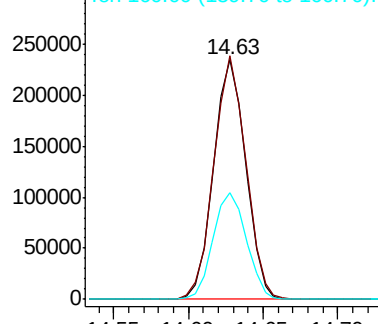


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.682 ng

RT: 12.82 min Scan# 1657

Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Tgt Ion:216 Resp: 95303

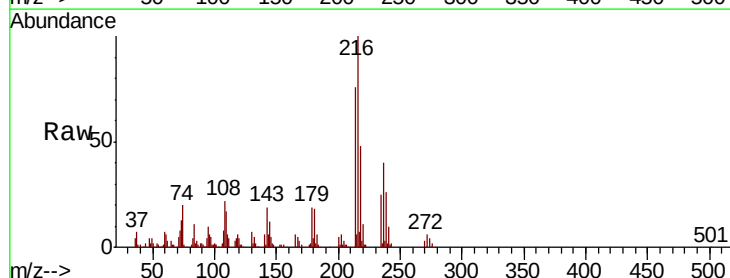
Ion Ratio Lower Upper

216 100

214 78.0 63.0 94.4

179 20.7 17.0 25.6

108 21.7 17.3 25.9



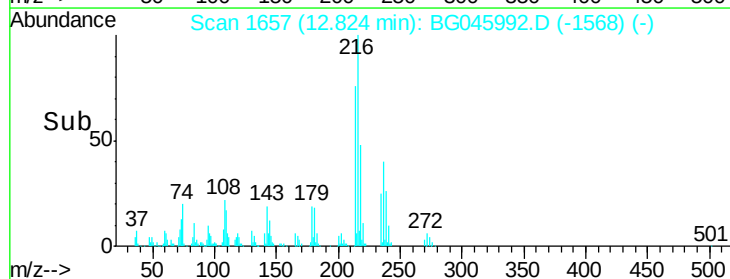
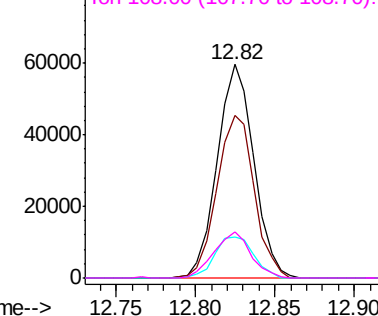
Abundance

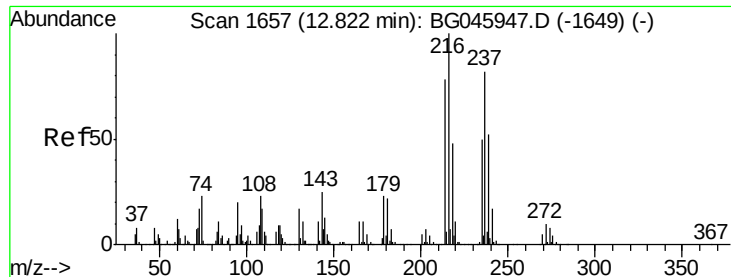
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 8.719 ng

RT: 12.81 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

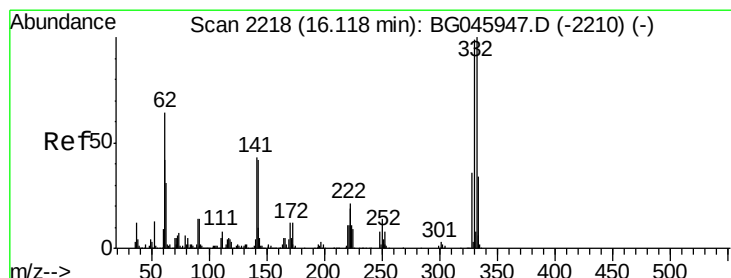
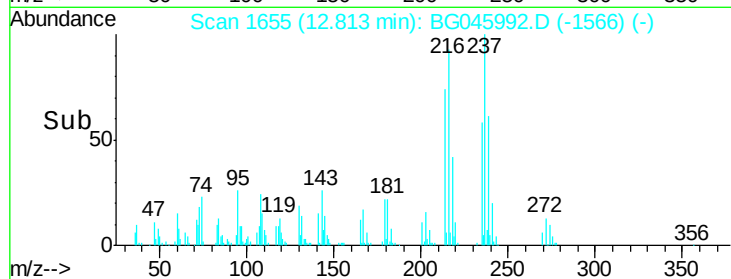
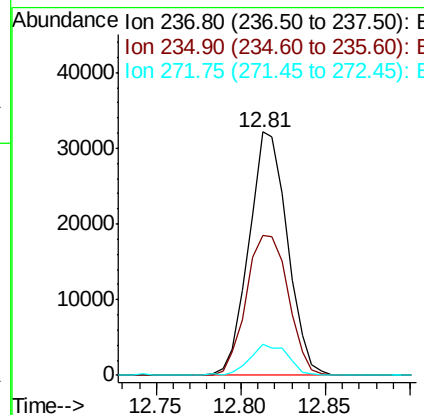
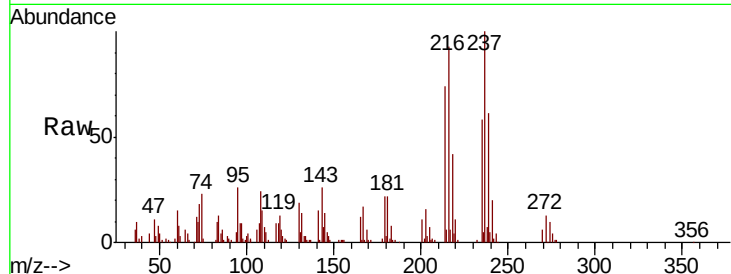
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	237	Resp:	50923
Ion Ratio	Lower	Upper	
237	100		
235	57.6	41.5	81.5
272	13.0	0.0	31.7

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#42

2,4,6-Tribromophenol

Concen: 97.731 ng

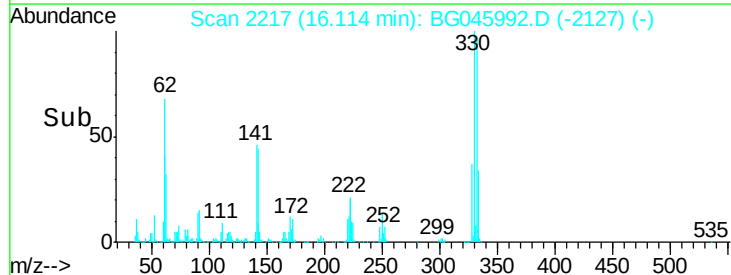
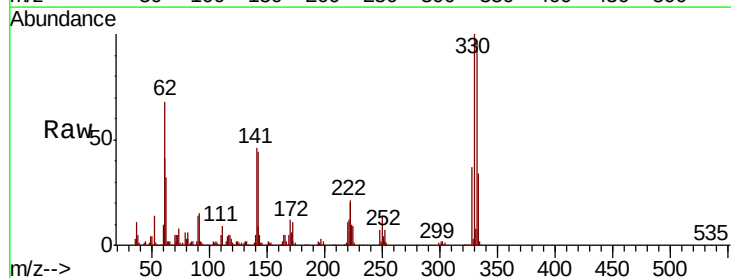
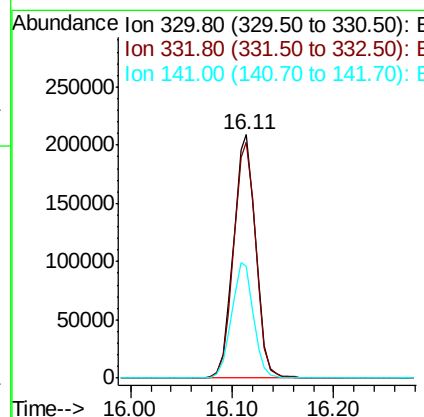
RT: 16.11 min Scan# 2217

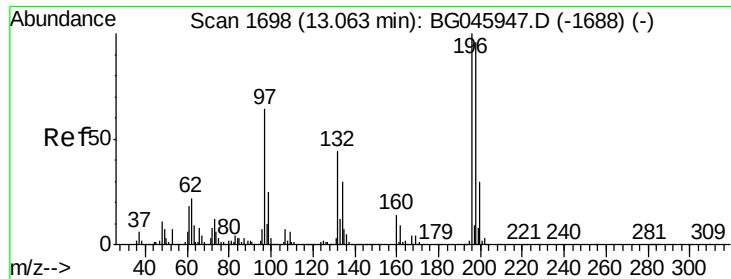
Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Tgt Ion:	330	Resp:	316730
Ion Ratio	Lower	Upper	
330	100		
332	97.0	78.3	117.5
141	46.8	36.6	54.8





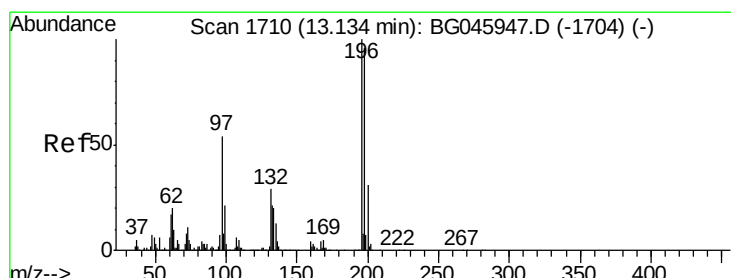
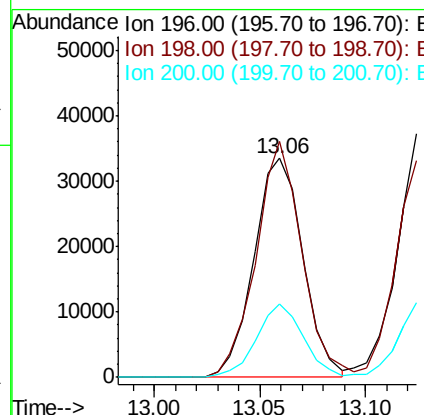
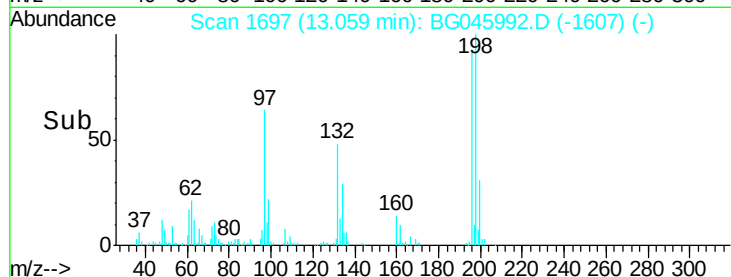
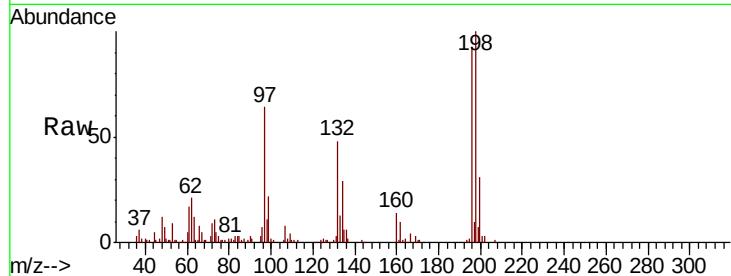
#43
 2,4,6-Trichlorophenol
 Concen: 8.107 ng
 RT: 13.06 min Scan# 1697
 Delta R.T. -0.00 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Lower	Upper
196	100		
198	107.4	76.7	115.1
200	33.4	24.3	36.5

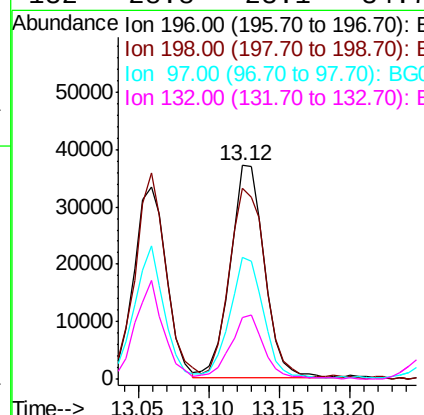
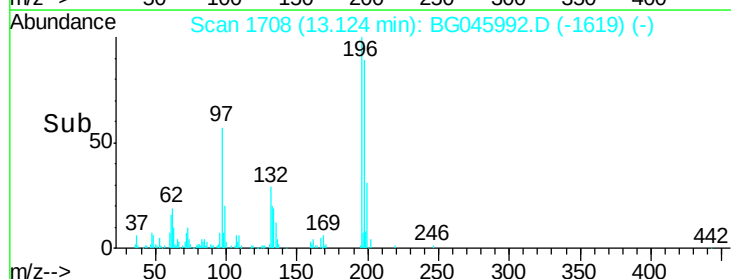
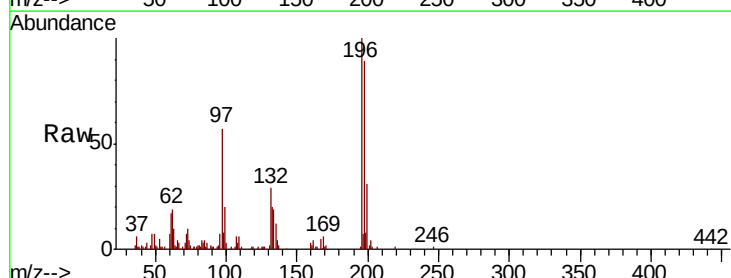
Manual Integrations
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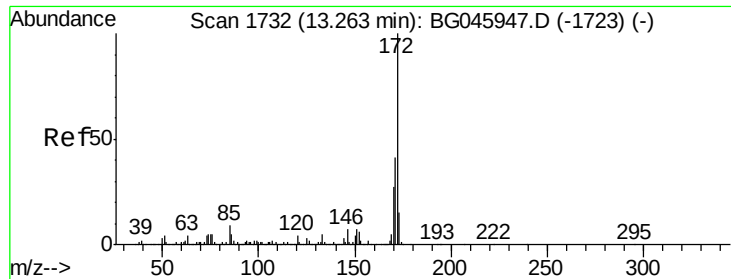
mohammad
 7/10/2020 11:47:05 AM



#44
 2,4,5-Trichlorophenol
 Concen: 8.306 ng
 RT: 13.12 min Scan# 1708
 Delta R.T. -0.01 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
196	100		
198	89.2	77.0	115.6
97	57.2	44.3	66.5
132	28.8	23.1	34.7





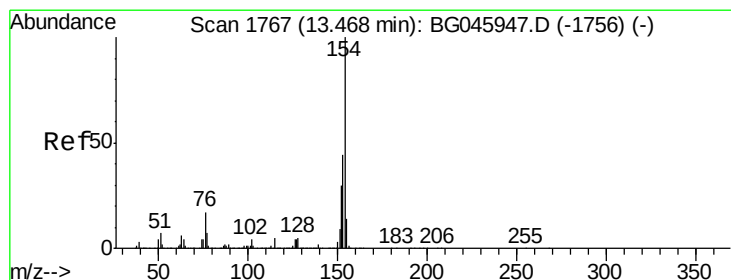
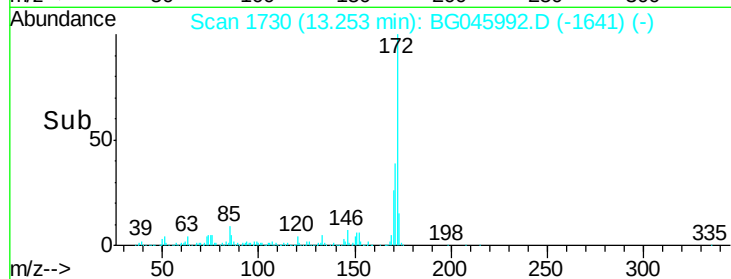
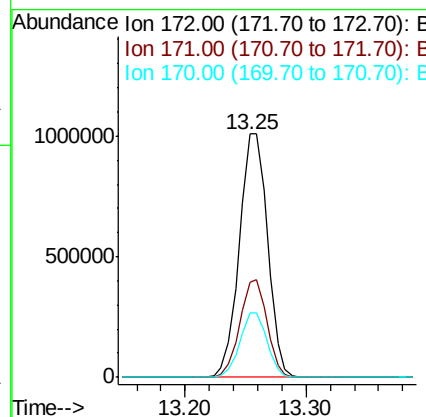
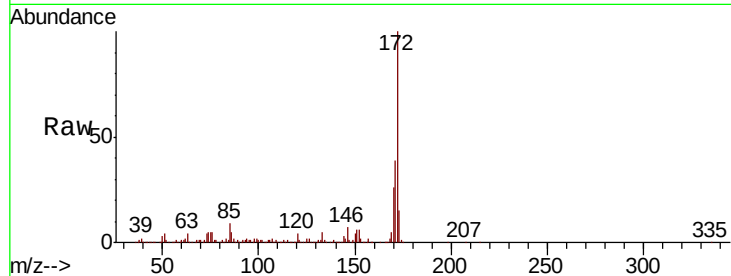
#45
2-Fluorobiphenyl
Concen: 73.620 ng
RT: 13.25 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.2	32.9	49.3
170	26.2	21.8	32.6

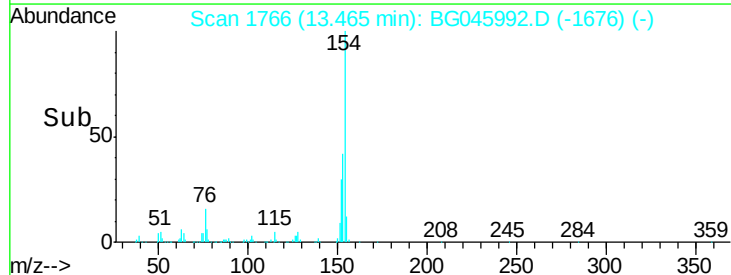
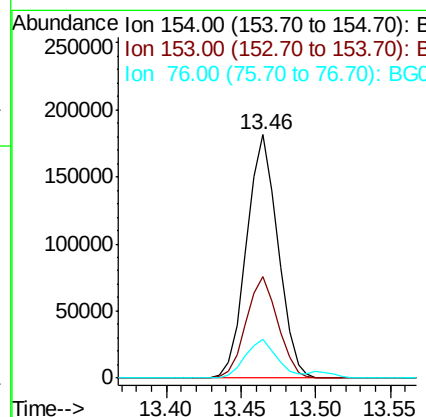
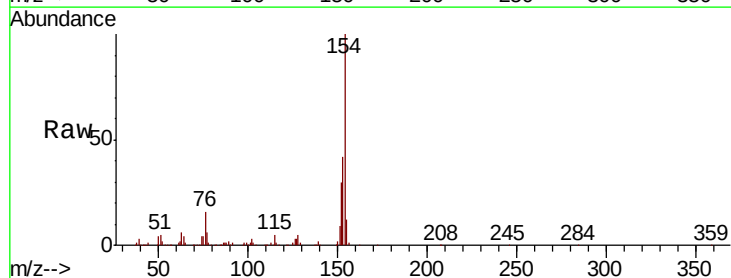
Manual Integrations
APPROVED

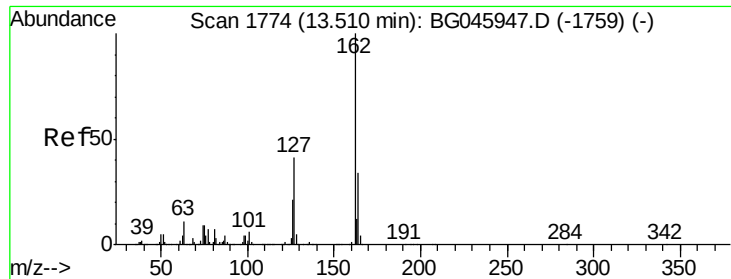
mohammad
7/10/2020 11:47:05 AM



#46
1,1'-Biphenyl
Concen: 10.043 ng
RT: 13.46 min Scan# 1766
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.5	23.6	63.6
76	16.0	0.0	36.9





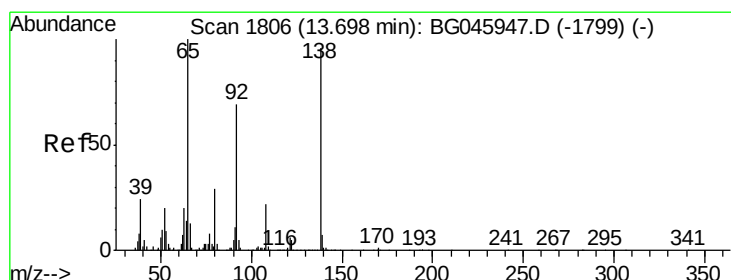
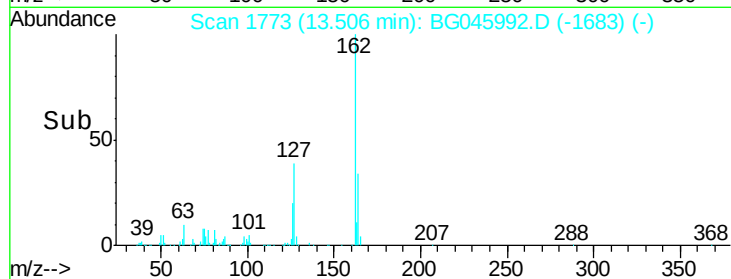
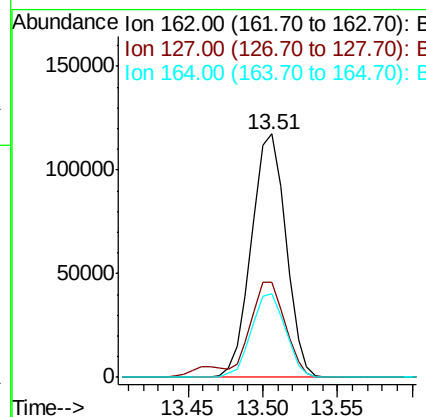
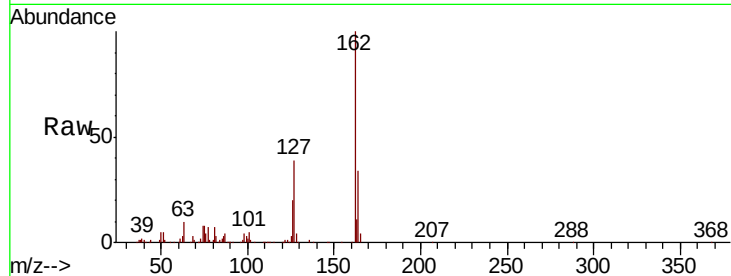
#47
2-Chloronaphthalene
Concen: 9.057 ng
RT: 13.51 min Scan# 1773
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Lower	Upper
162	100		
127	38.9	32.5	48.7
164	34.3	27.2	40.8

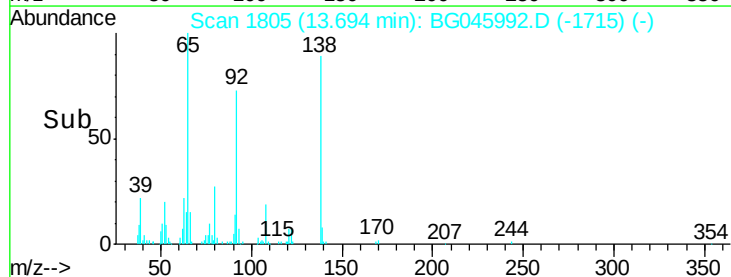
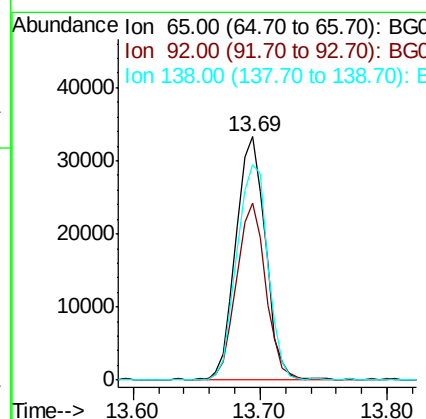
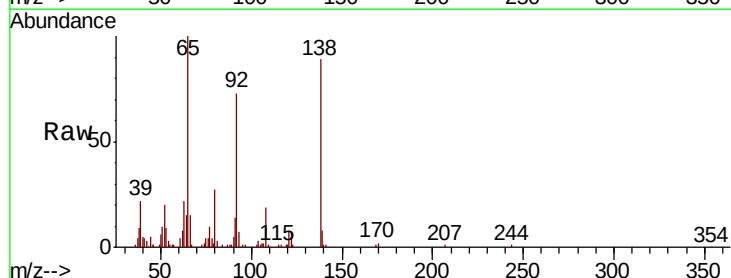
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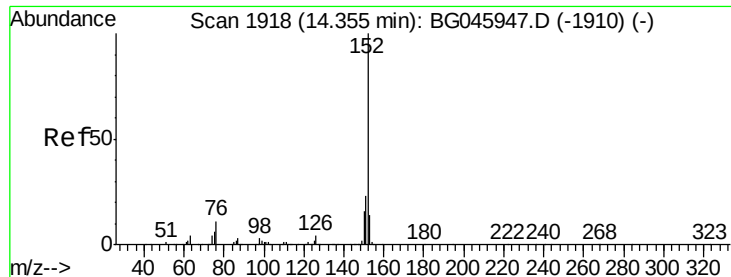
mohammad
7/10/2020 11:47:05 AM



#48
2-Nitroaniline
Concen: 11.081 ng
RT: 13.69 min Scan# 1805
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
65	100		
92	72.5	55.4	83.0
138	88.5	77.0	115.4





#49

Acenaphthylene

Concen: 9.609 ng

RT: 14.35 min Scan# 1916

Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

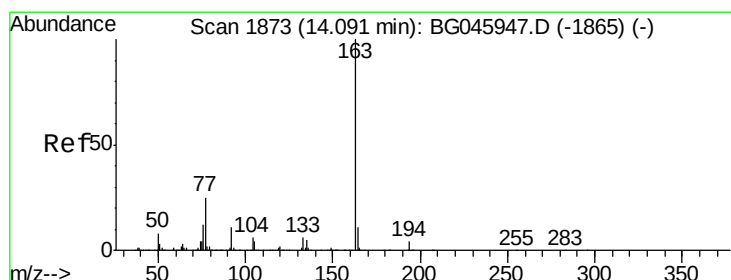
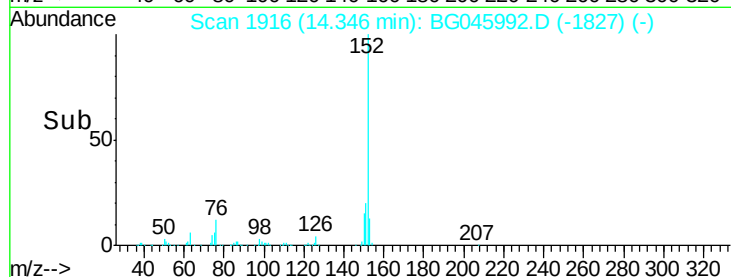
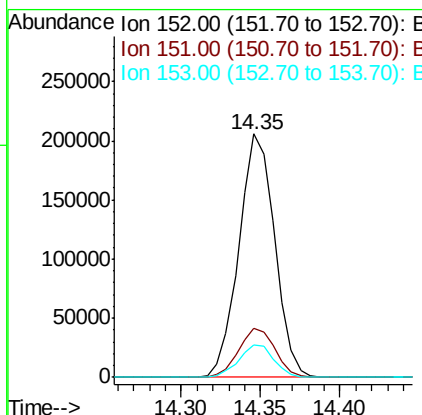
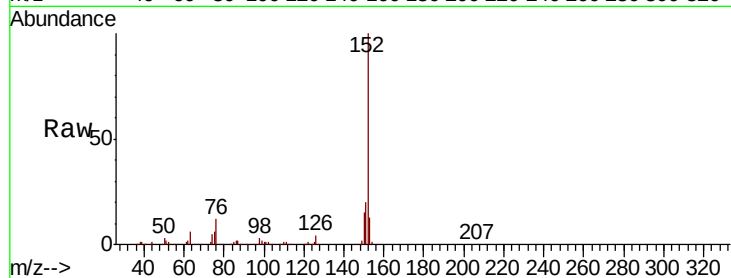
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	152	Resp:	321319
Ion Ratio	Lower	Upper	
152	100		
151	20.1	18.1	27.1
153	13.2	11.5	17.3

Manual Integrations
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#50

Dimethylphthalate

Concen: 8.791 ng

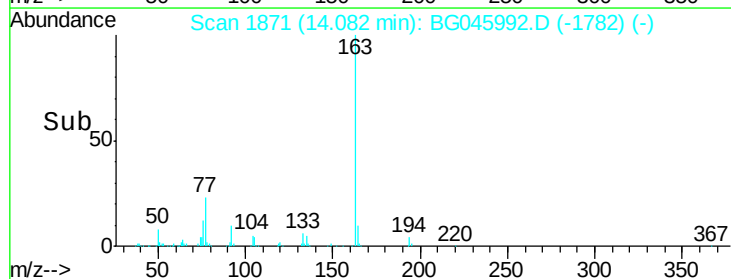
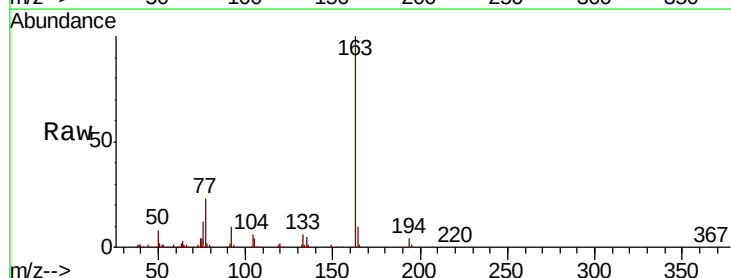
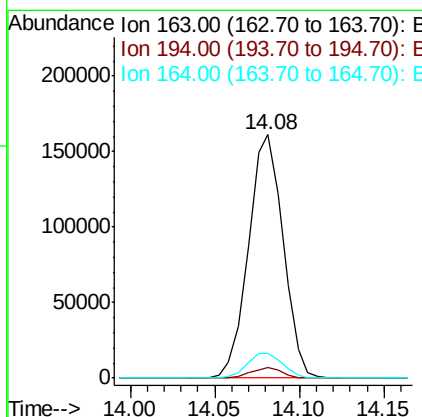
RT: 14.08 min Scan# 1871

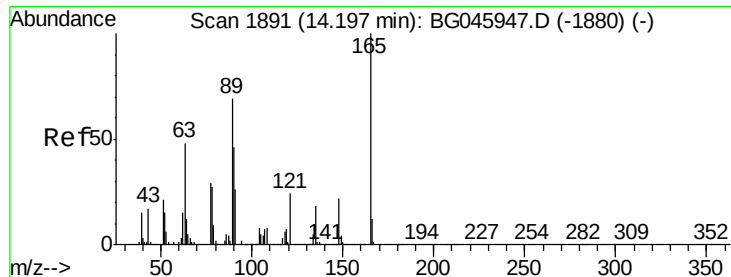
Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Tgt Ion:	163	Resp:	230370
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.6	5.4
164	10.4	8.9	13.3





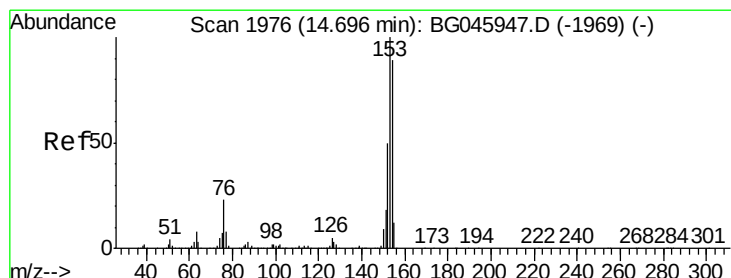
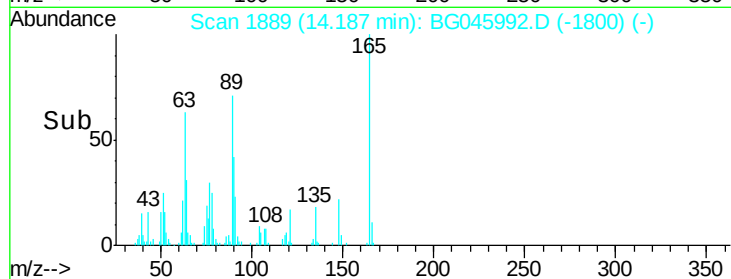
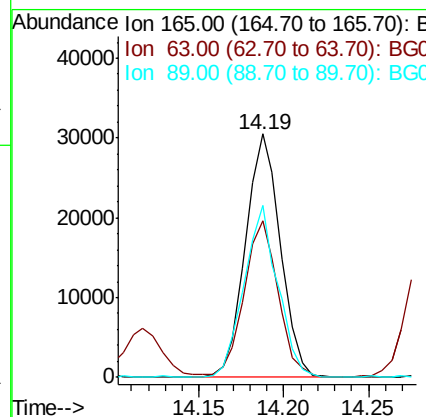
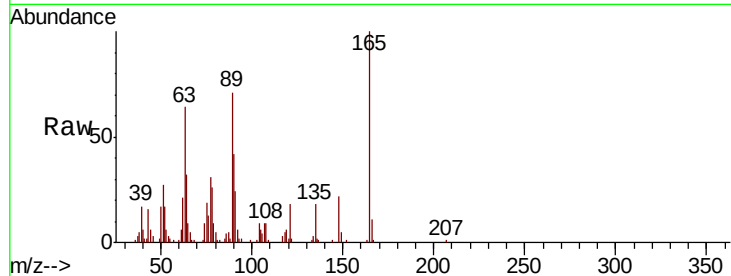
#51
2,6-Dinitrotoluene
Concen: 10.769 ng
RT: 14.19 min Scan# 1889
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Lower	Upper
165	100		
63	64.3	51.0	76.4
89	70.8	55.7	83.5

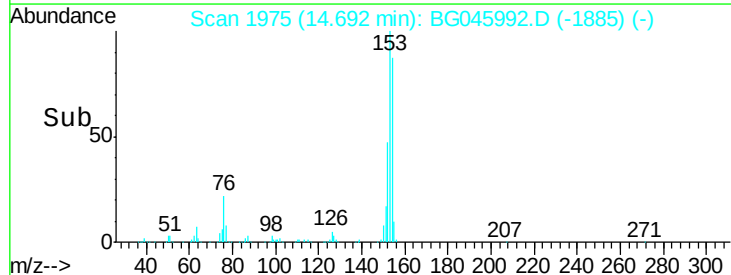
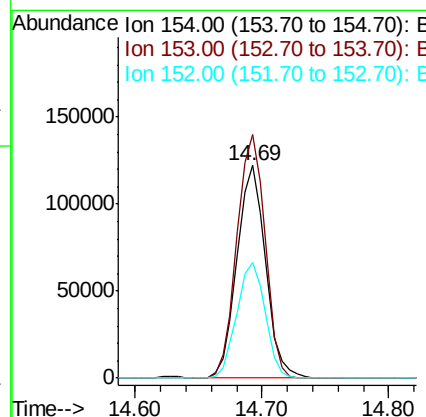
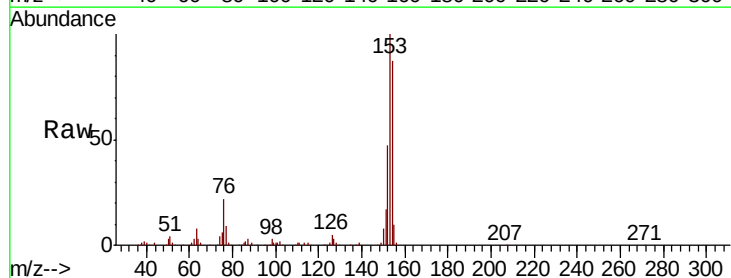
Manual Integrations
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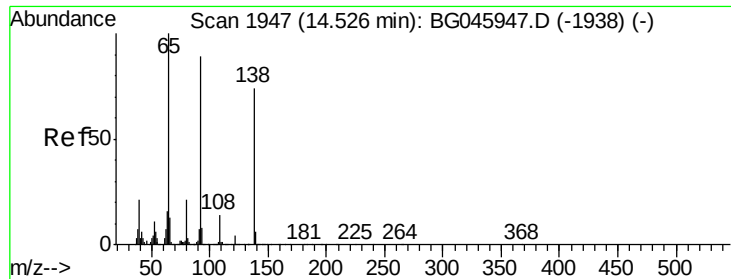
mohammad
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#52
Acenaphthene
Concen: 8.993 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.5	89.7	134.5
152	54.1	44.7	67.1





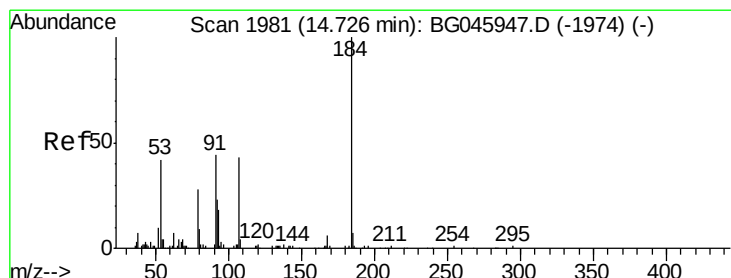
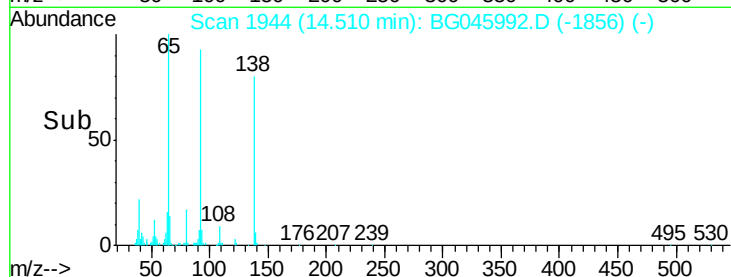
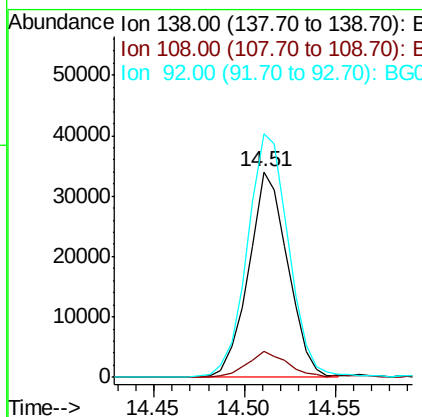
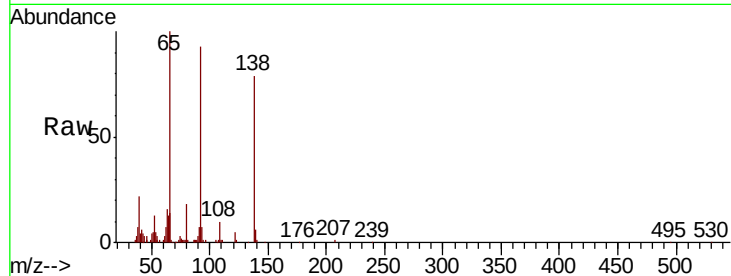
#53
3-Nitroaniline
Concen: 10.103 ng
RT: 14.51 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Lower	Upper
138	100		
108	12.8	15.4	23.2#
92	118.5	95.9	143.9

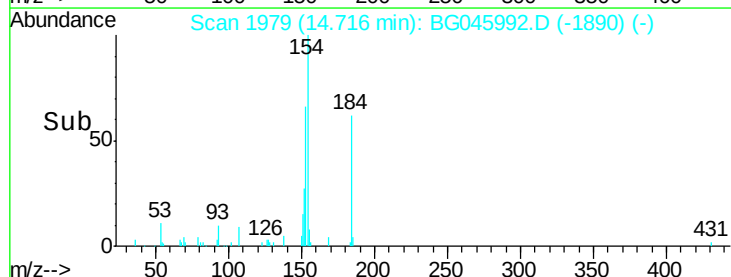
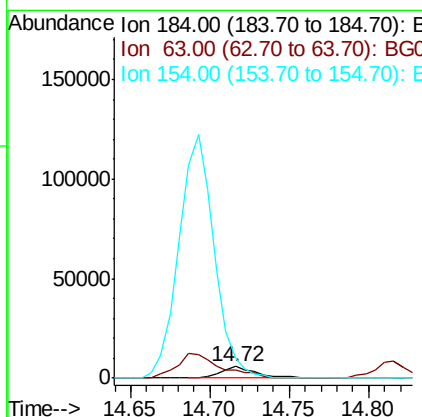
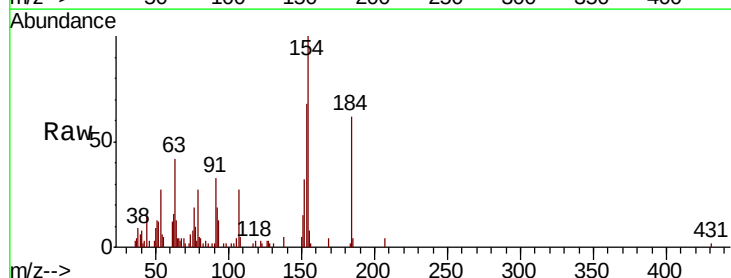
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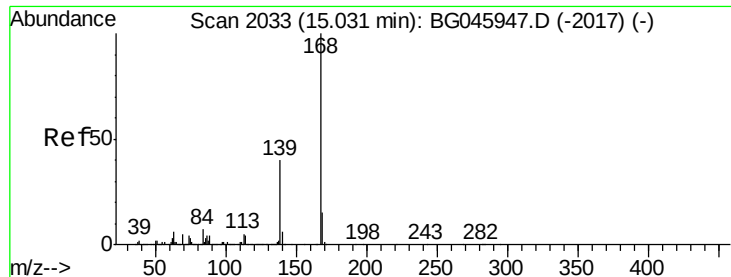
mohammad
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#54
2,4-Dinitrophenol
Concen: 6.283 ng
RT: 14.72 min Scan# 1979
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
184	100		
63	67.4	46.0	69.0
154	161.4	58.2	87.2#





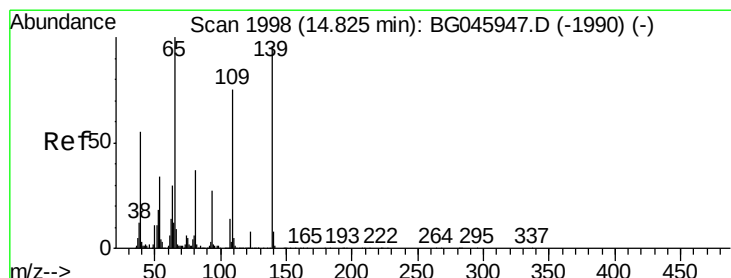
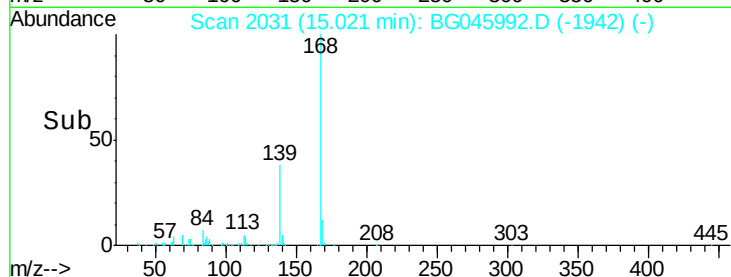
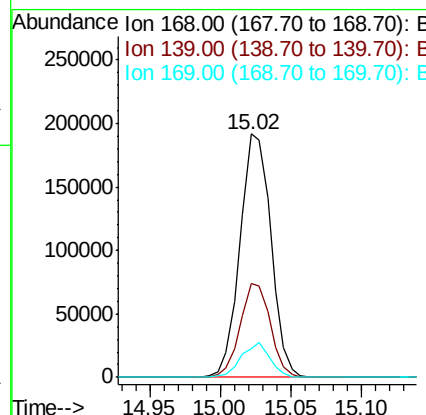
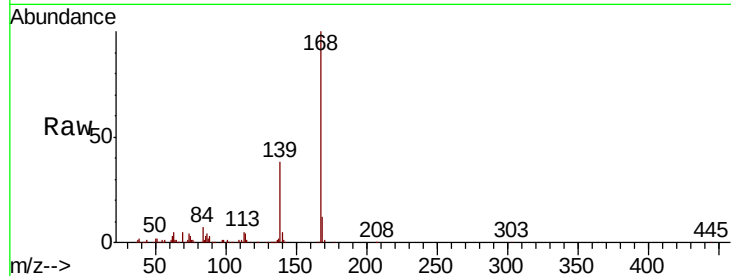
#55
Dibenzenofuran
Concen: 9.483 ng
RT: 15.02 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.3	32.2	48.2
169	11.9	11.8	17.8

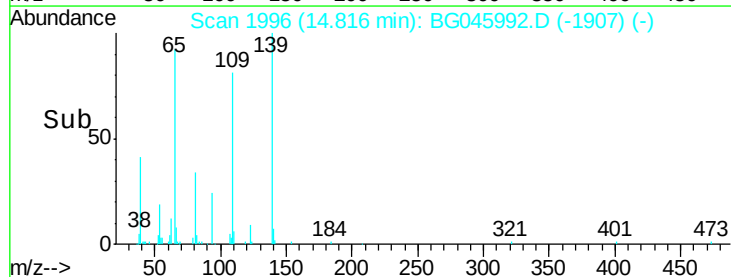
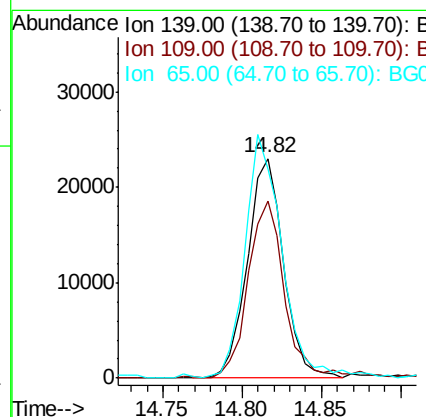
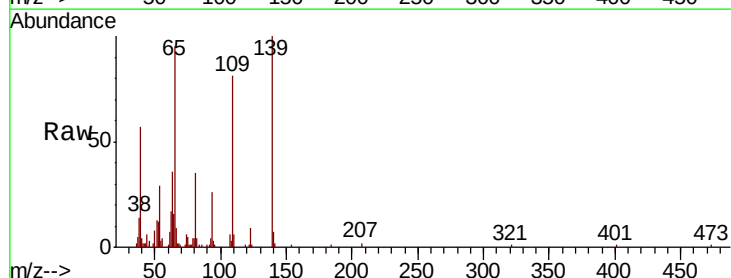
Manual Integrations
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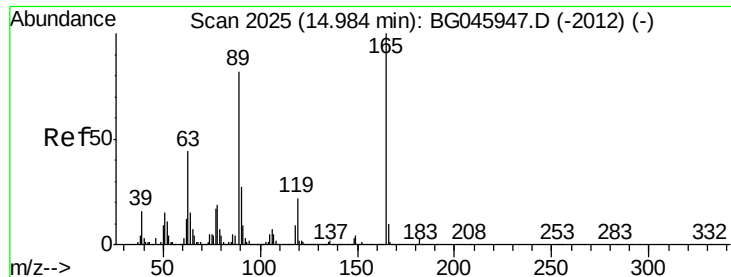
mohammad
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#56
4-Nitrophenol
Concen: 8.561 ng
RT: 14.82 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
139	100		
109	80.6	58.5	98.5
65	95.2	84.7	124.7





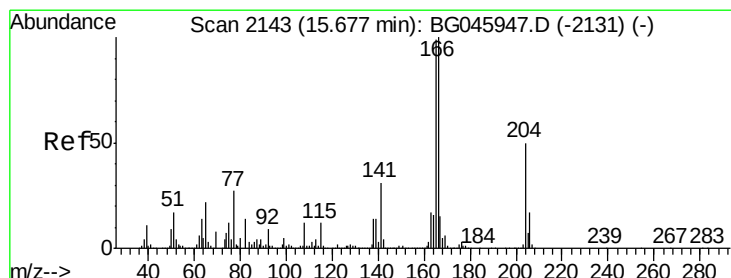
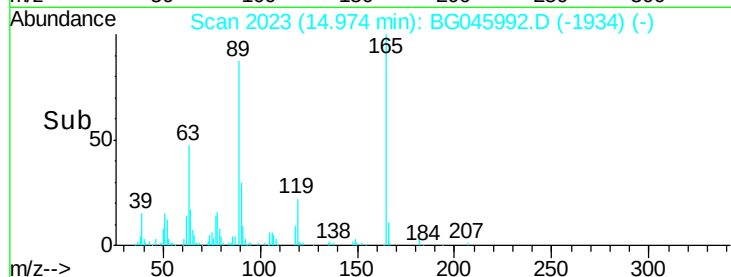
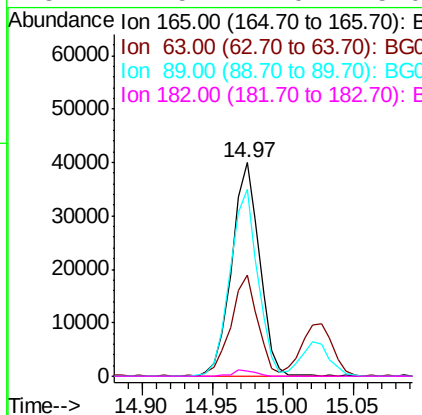
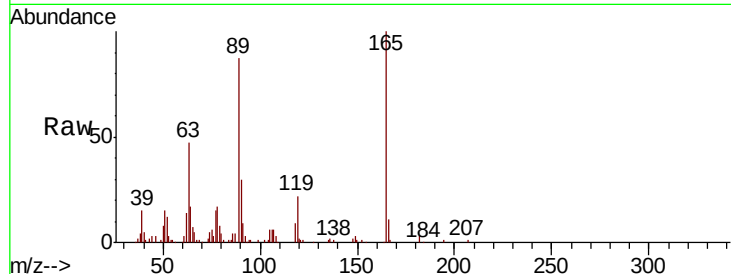
#57
 2,4-Dinitrotoluene
 Concen: 10.924 ng
 RT: 14.97 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Resp	Lower	Upper
165	100	54886		
63	47.3		35.4	53.0
89	87.3		65.4	98.2
182	2.5		2.0	3.0

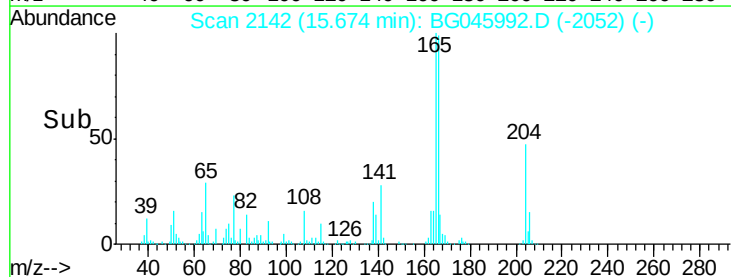
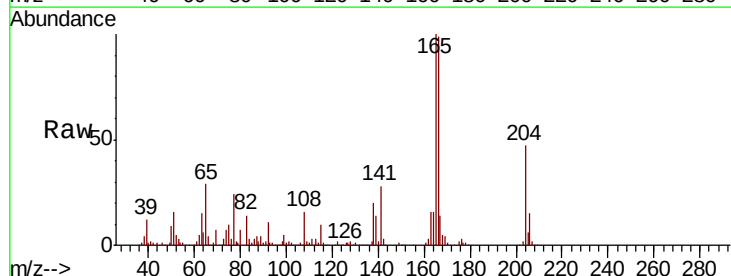
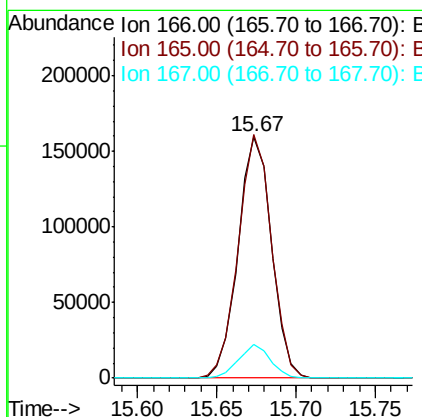
Manual Integrations
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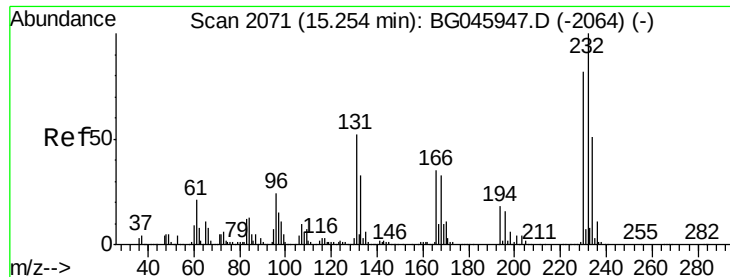
mohammad
 7/10/2020 11:47:05 AM



#58
 Fluorene
 Concen: 9.207 ng
 RT: 15.67 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	233512		
165	100.8		78.9	118.3
167	14.2		12.1	18.1





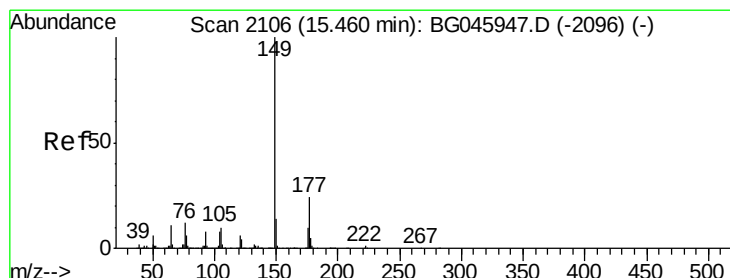
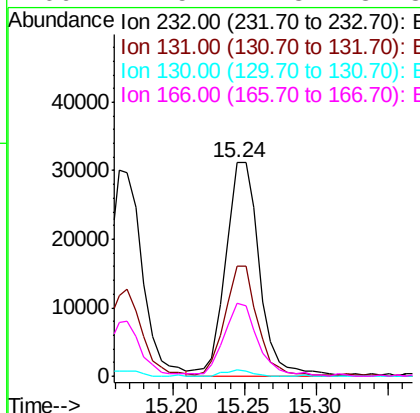
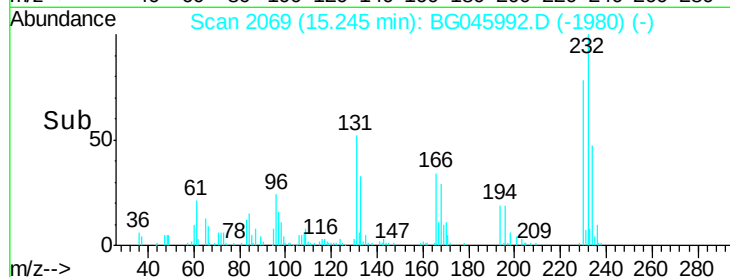
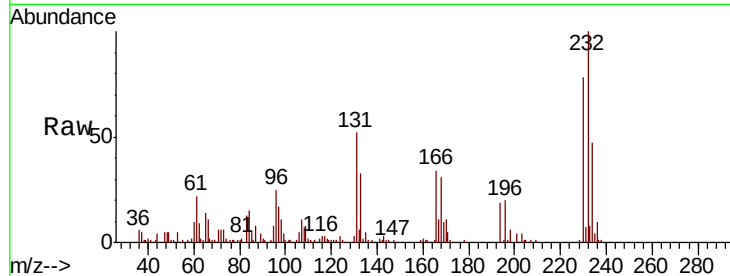
#59
2,3,4,6-Tetrachlorophenol
Concen: 8.831 ng m
RT: 15.24 min Scan# 2069
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

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

Tot Ion:	232	Resp:	51320
Ion Ratio	Lower	Upper	
232	100		
131	39.8	35.8	53.6
130	2.4	2.5	3.7#
166	24.5	21.8	32.8

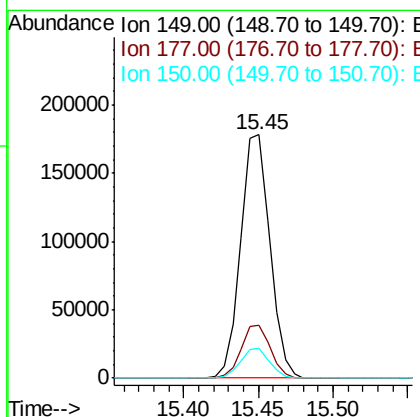
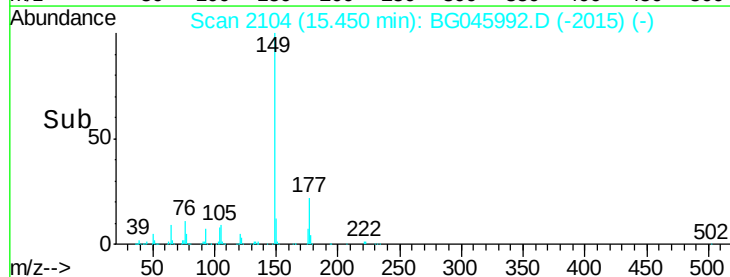
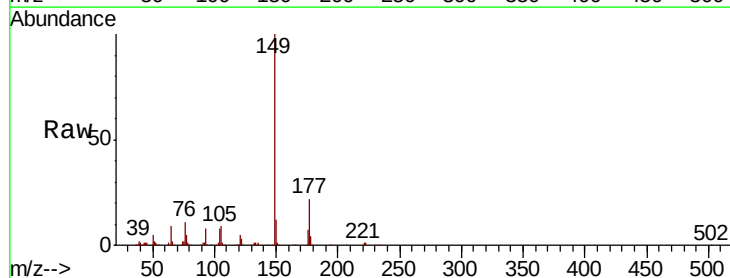
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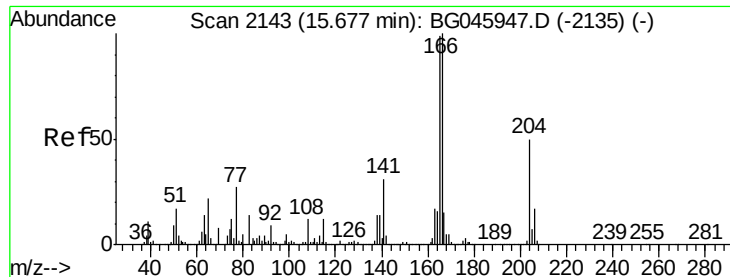
mohammad
7/10/2020 11:47:05 AM



#60
Diethylphthalate
Concen: 8.828 ng
RT: 15.45 min Scan# 2104
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion:	149	Resp:	242608
Ion Ratio	Lower	Upper	
149	100		
177	21.8	19.0	28.4
150	12.1	11.0	16.4





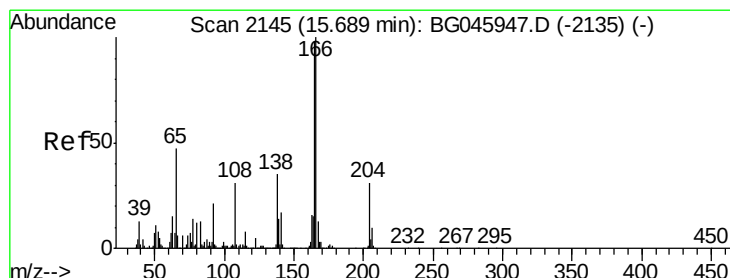
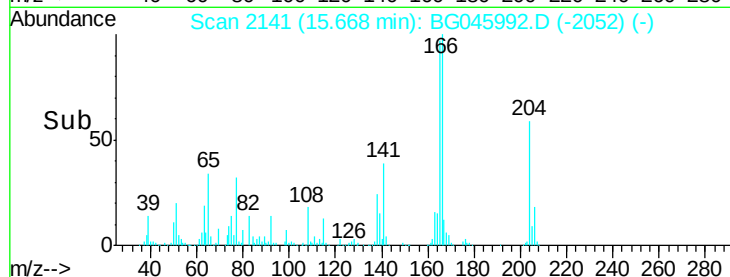
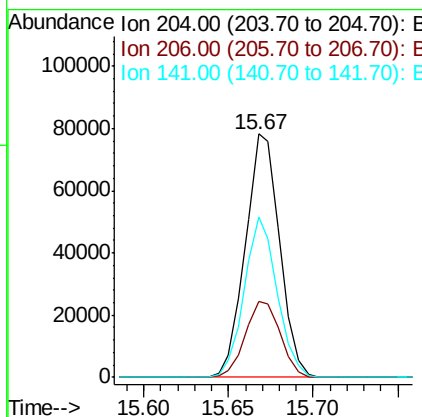
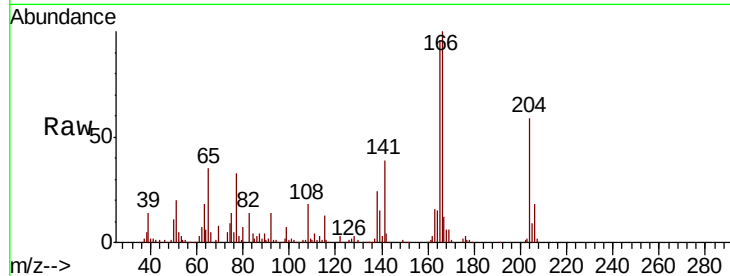
#61
4-Chlorophenyl-phenylether
Concen: 8.752 ng
RT: 15.67 min Scan# 2141
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Lower	Upper
204	100		
206	31.0	27.1	40.7
141	65.8	49.8	74.8

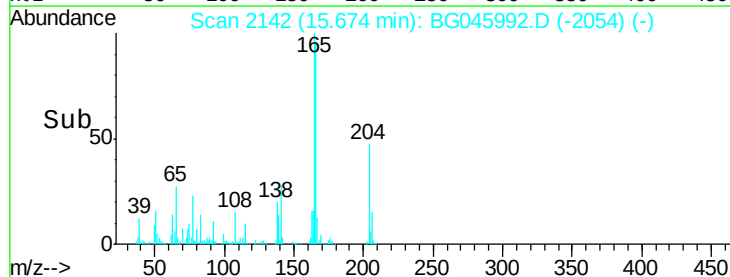
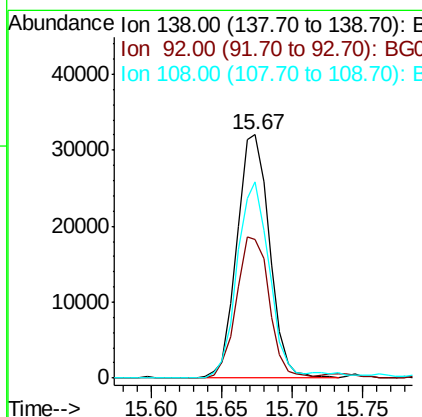
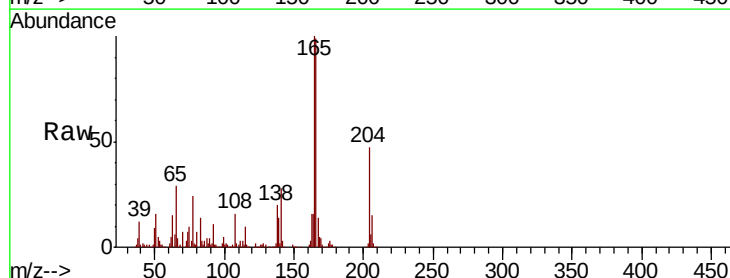
Manual Integrations
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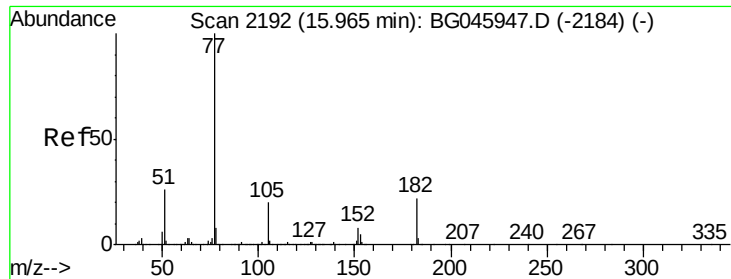
mohammad
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#62
4-Nitroaniline
Concen: 9.559 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.02 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
138	100		
92	57.2	40.3	80.3
108	80.4	68.0	108.0





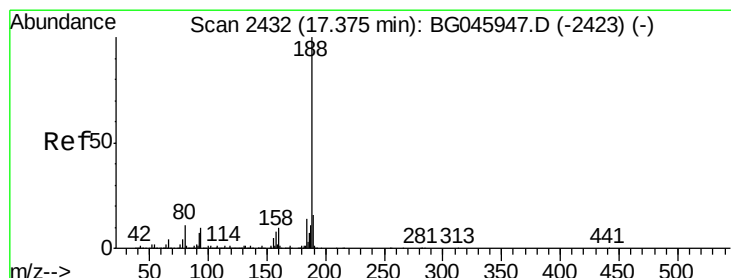
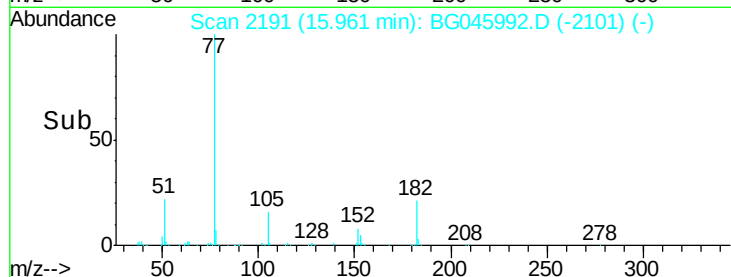
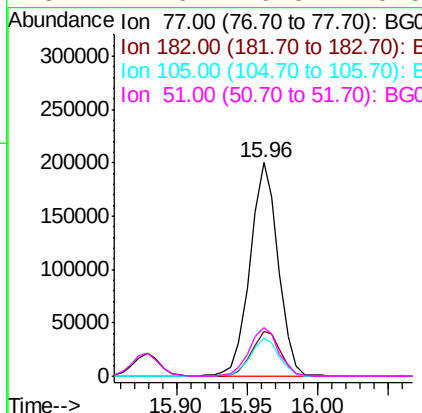
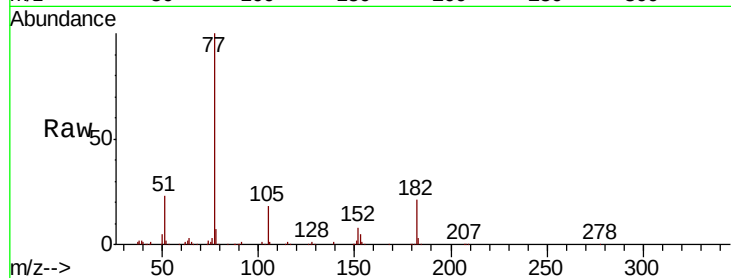
#63
Azobenzene
Concen: 9.467 ng
RT: 15.96 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Resp	Lower	Upper
77	100	279251		
182	20.7		2.4	42.4
105	18.3		0.3	40.3
51	22.6		6.3	46.3

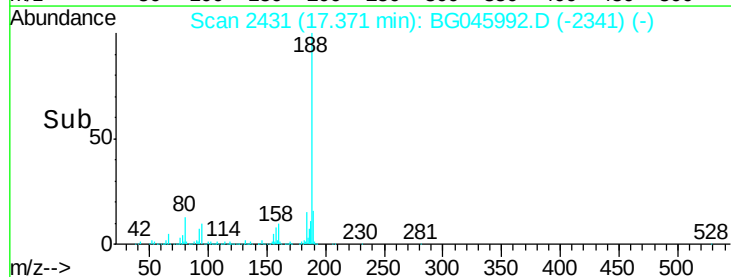
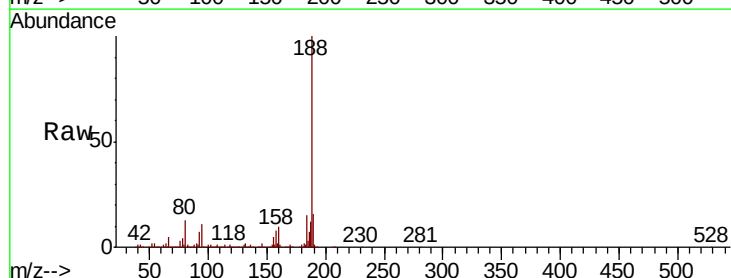
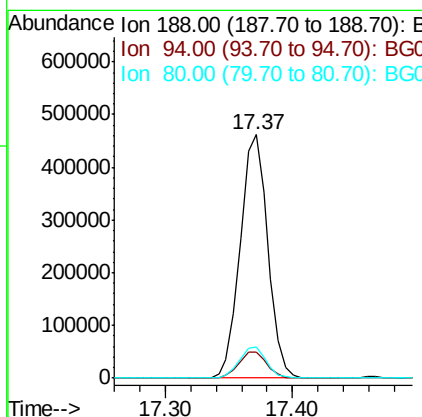
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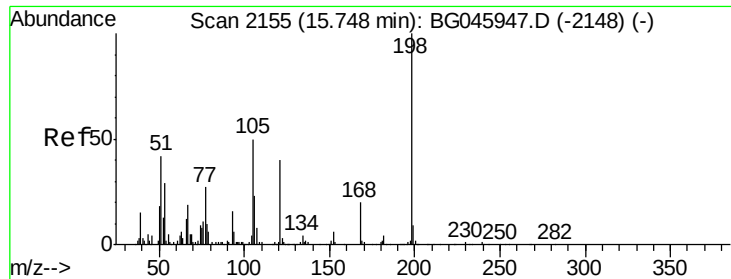
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	693489		
94	10.5		8.2	12.4
80	12.5		9.0	13.6





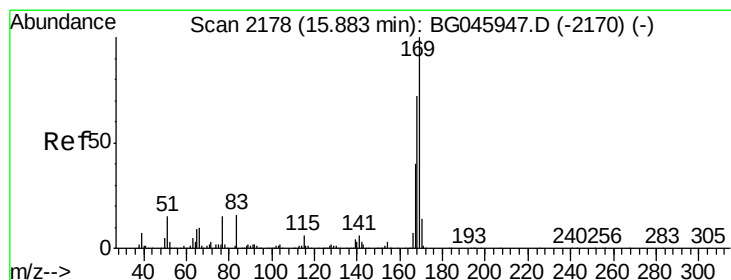
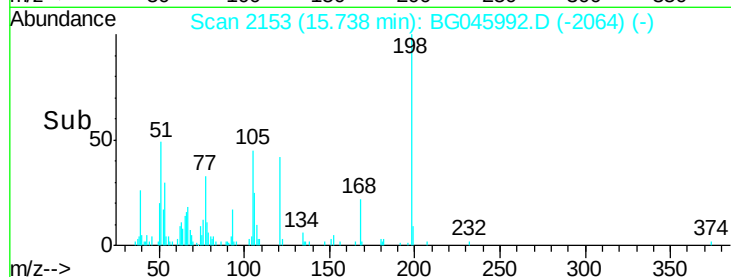
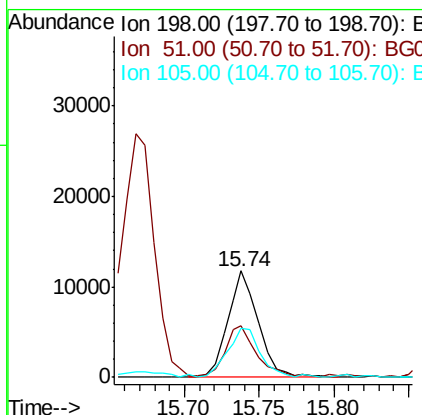
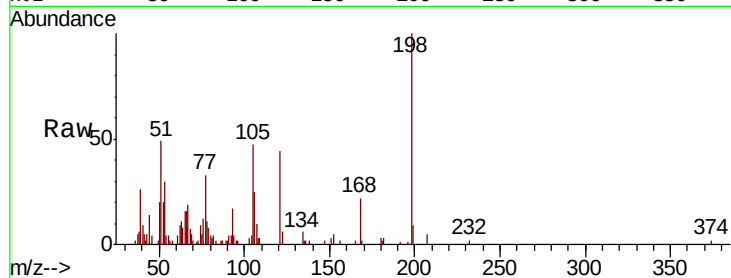
#65
4,6-Dinitro-2-methylphenol
Concen: 8.233 ng
RT: 15.74 min Scan# 2153
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Resp	Lower	Upper
198	100	16722		
51	49.1	24.5	64.5	
105	46.8	30.9	70.9	

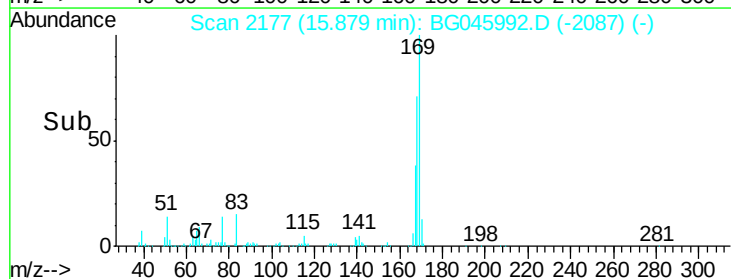
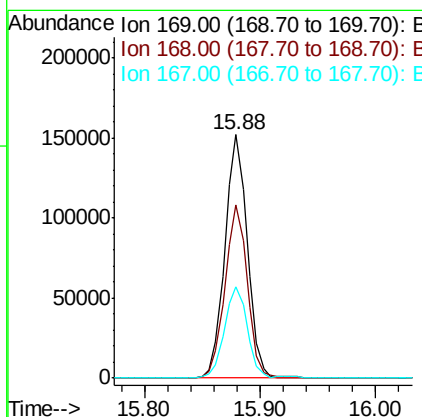
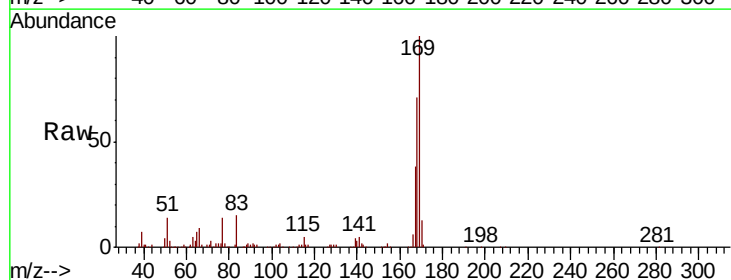
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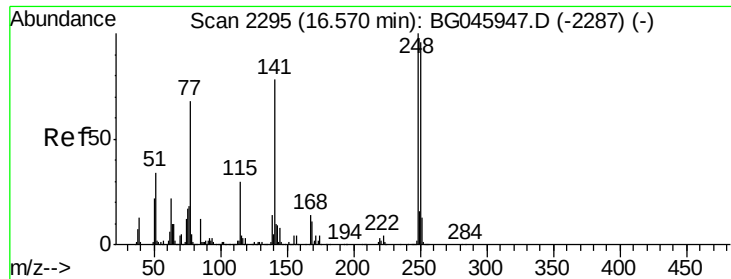
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#66
n-Nitrosodiphenylamine
Concen: 9.474 ng
RT: 15.88 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	203601		
168	71.4	57.3	85.9	
167	37.6	32.1	48.1	





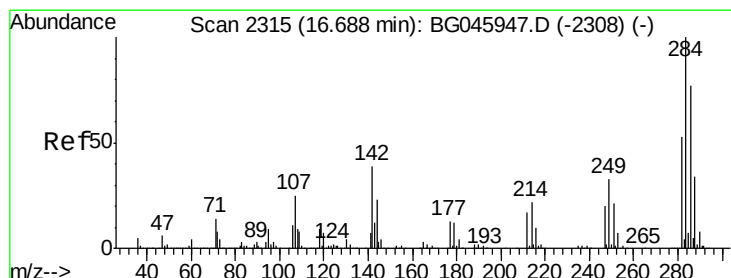
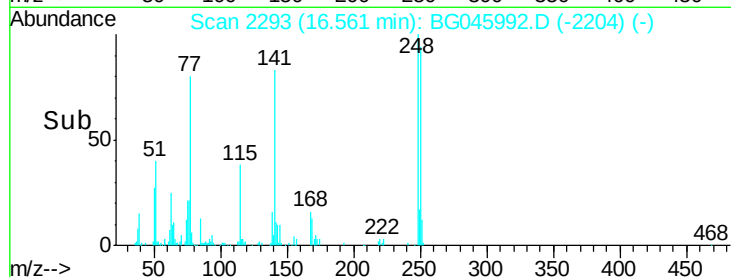
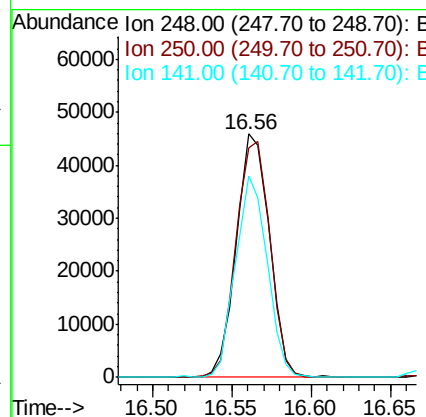
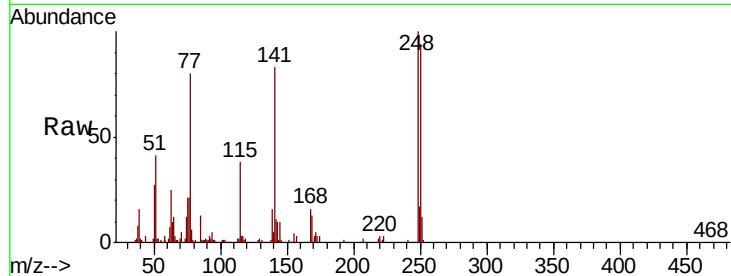
#67
 4-Bromophenyl-phenylether
 Concen: 8.561 ng
 RT: 16.56 min Scan# 2293
 Delta R.T. -0.01 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Lower	Upper
248	100		
250	94.5	76.6	114.8
141	82.9	62.7	94.1

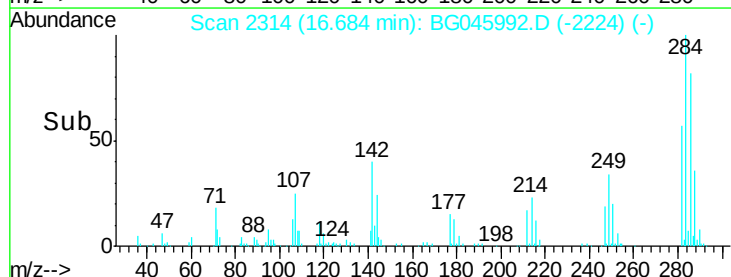
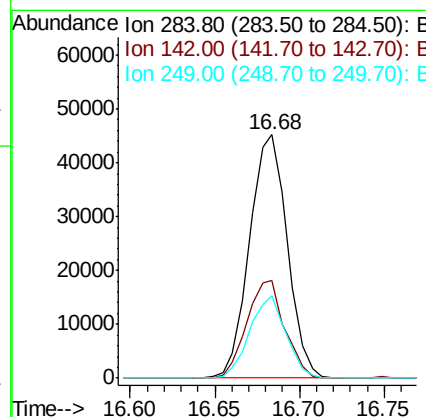
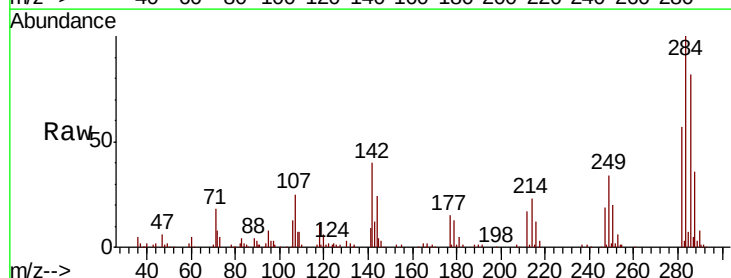
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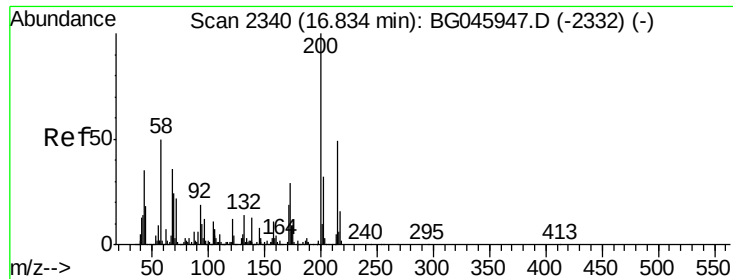
mohammad
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#68
 Hexachlorobenzene
 Concen: 9.000 ng
 RT: 16.68 min Scan# 2314
 Delta R.T. -0.00 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
284	100		
142	40.2	31.3	46.9
249	33.7	26.8	40.2





#69

Atrazine

Concen: 10.506 ng

RT: 16.82 min Scan# 2338

Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

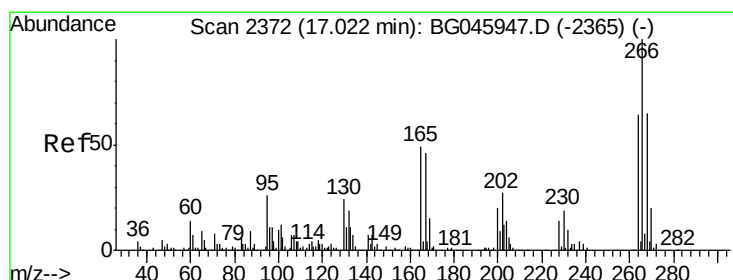
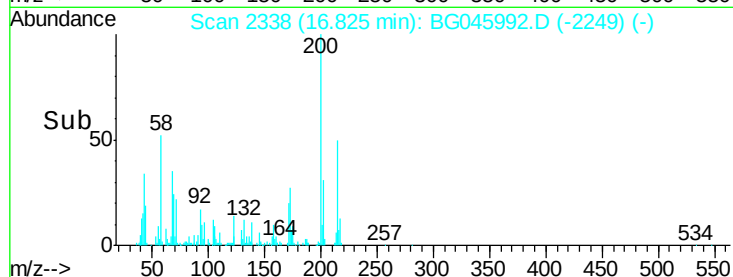
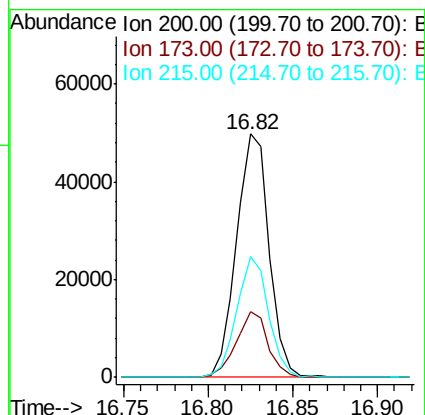
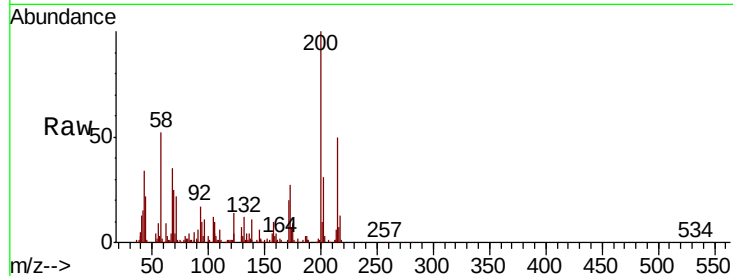
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	200	Resp:	66752
Ion Ratio	Lower	Upper	
200	100		
173	26.8	9.1	49.1
215	49.6	28.8	68.8

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#70

Pentachlorophenol

Concen: 7.212 ng

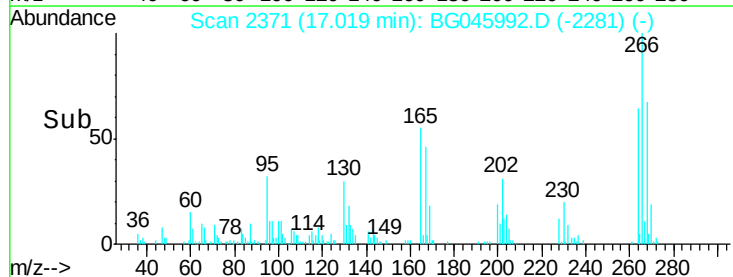
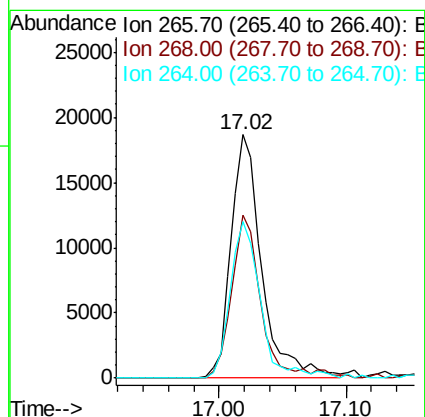
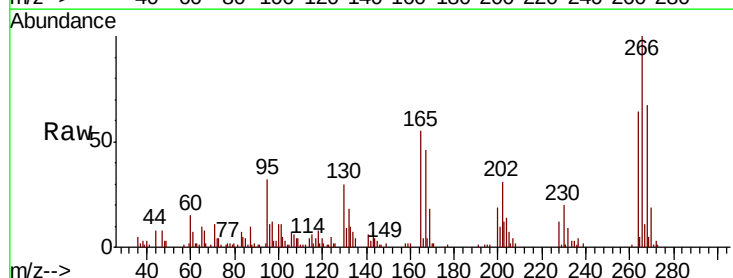
RT: 17.02 min Scan# 2371

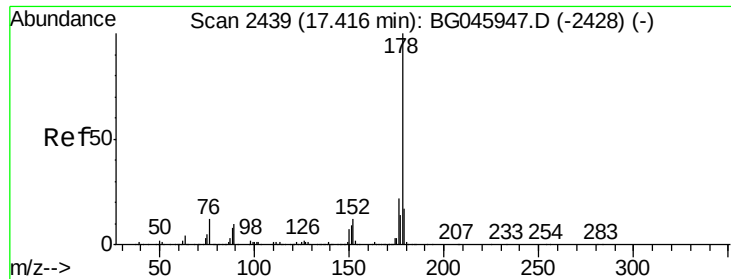
Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Tgt Ion:	266	Resp:	31165
Ion Ratio	Lower	Upper	
266	100		
268	66.7	51.8	77.8
264	64.2	51.4	77.0





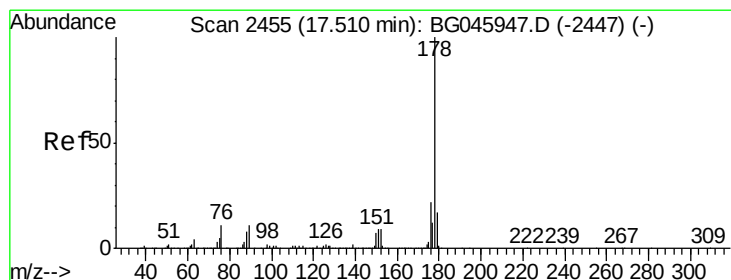
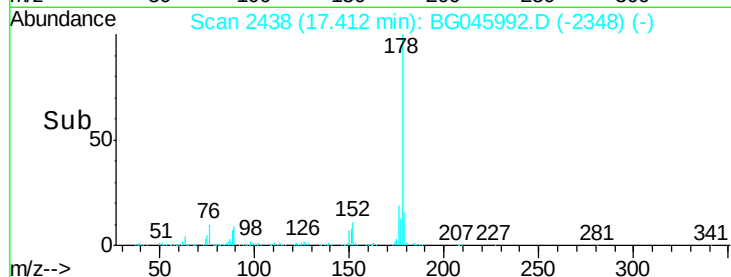
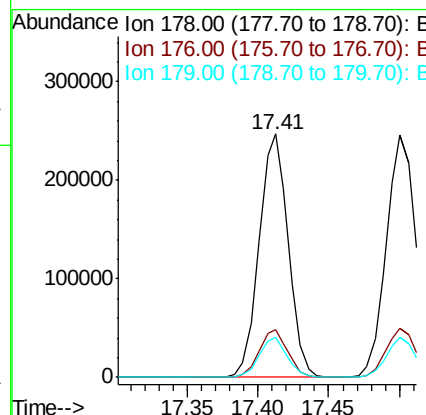
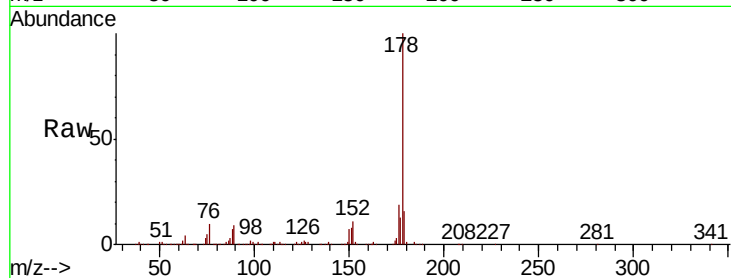
#71
Phenanthrene
Concen: 9.740 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	17.4	26.2
179	16.2	13.4	20.2

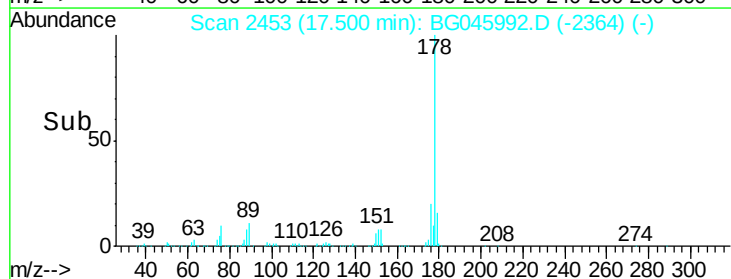
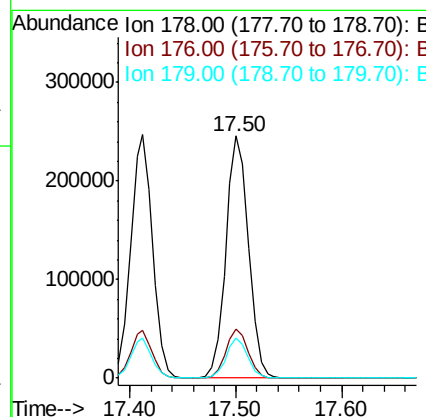
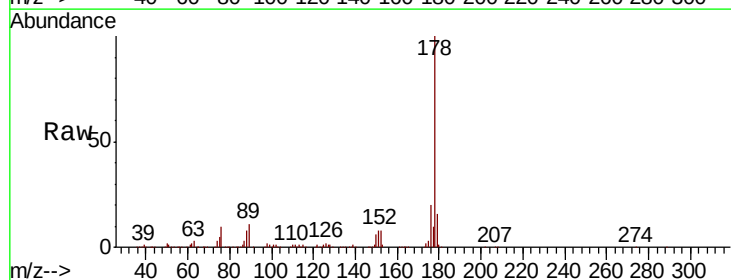
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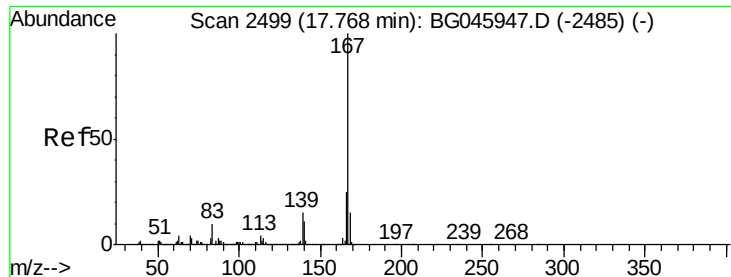
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#72
Anthracene
Concen: 9.768 ng
RT: 17.50 min Scan# 2453
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	17.2	25.8
179	16.4	14.0	21.0





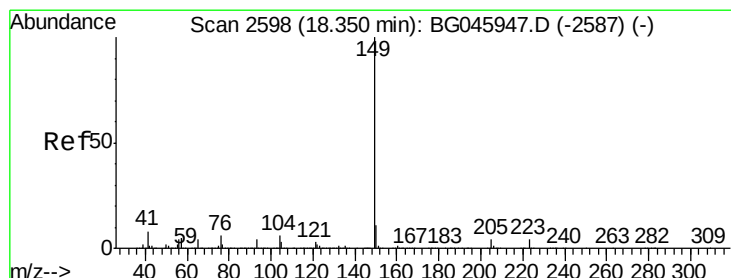
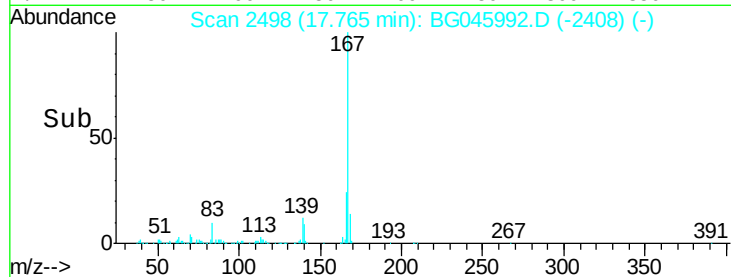
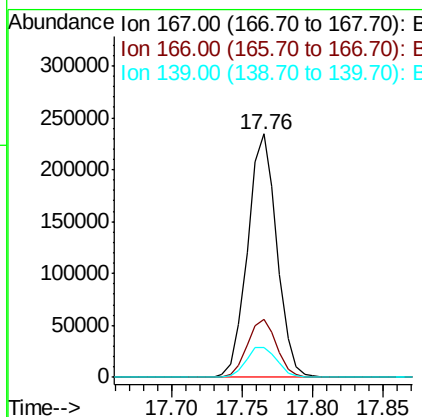
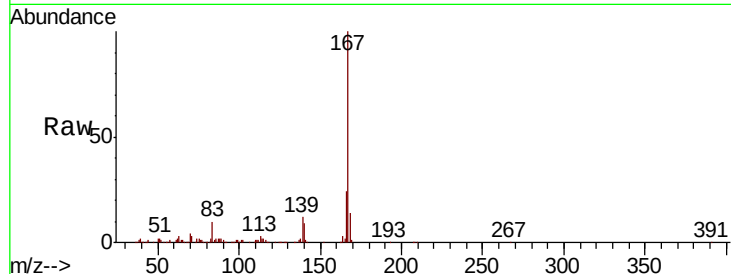
#73
 Carbazole
 Concen: 9.104 ng
 RT: 17.76 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.9	20.4	30.6
139	12.3	11.8	17.8

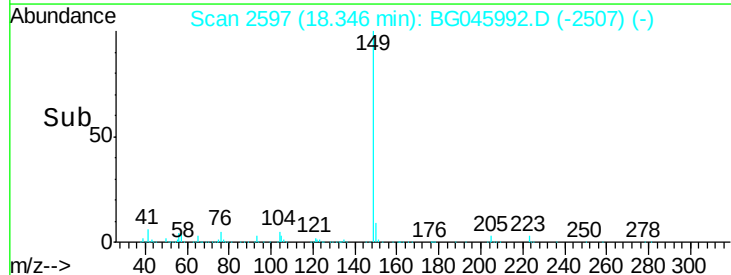
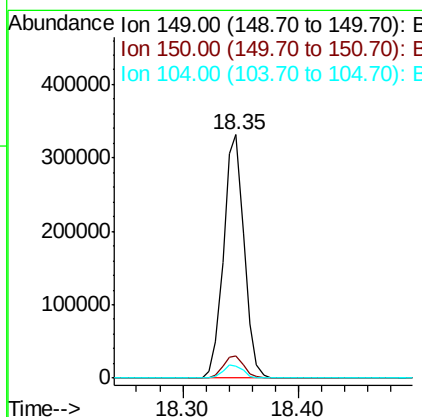
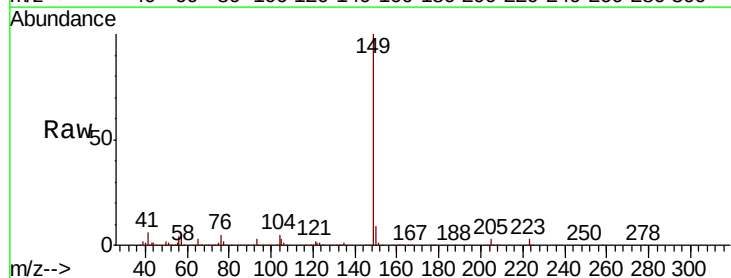
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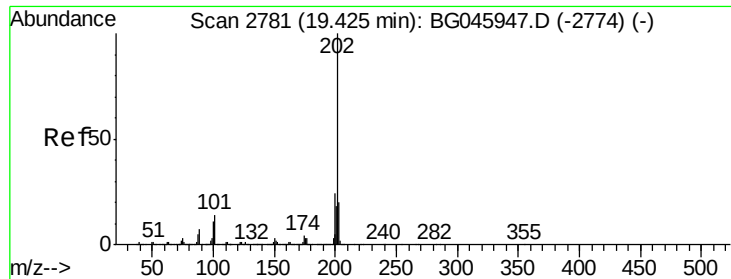
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#74
 Di-n-butylphthalate
 Concen: 9.031 ng
 RT: 18.35 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	9.0	13.4
104	5.0	5.2	7.8#





#75

Fluoranthene

Concen: 9.562 ng

RT: 19.42 min Scan# 2779

Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

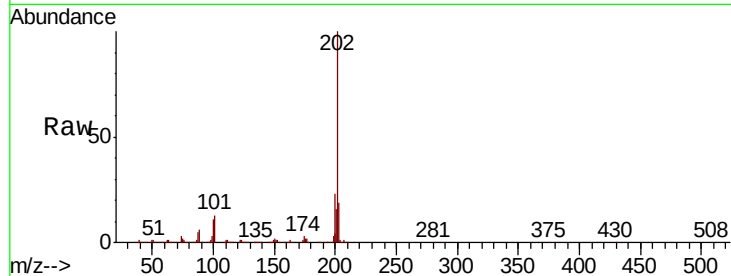
ClientSampleId :

LOQ-SOIL-02-QT3-2020

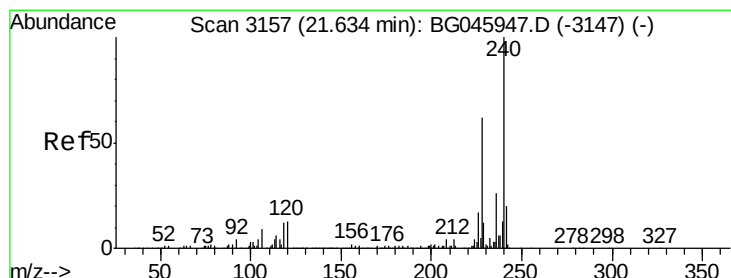
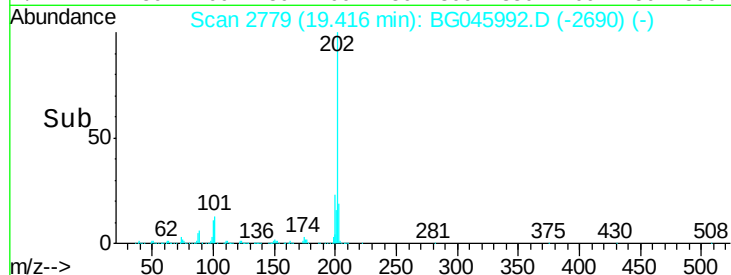
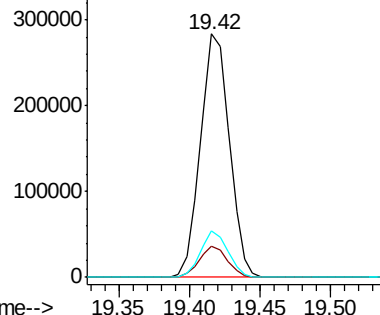
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		405277		
101	12.6	0.0	33.8		
203	19.1	0.4	40.4		

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



#76

Chrysene-d12

Concen: 20.000 ng

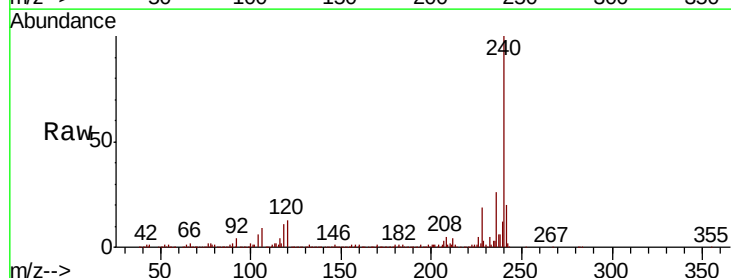
RT: 21.62 min Scan# 3155

Delta R.T. -0.01 min

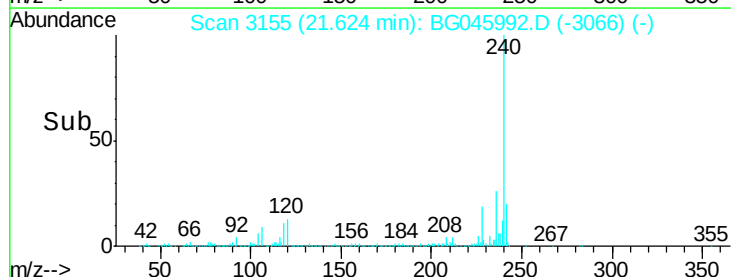
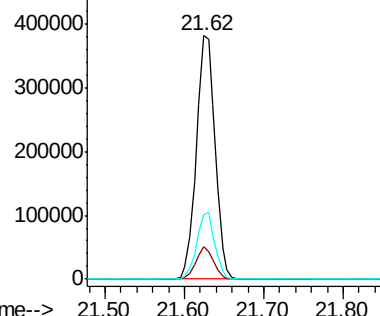
Lab File: BG045992.D

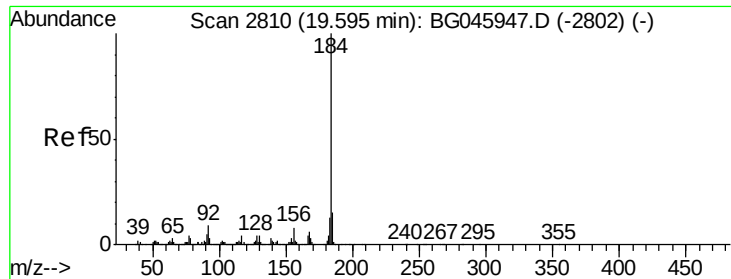
Acq: 9 Jul 2020 13:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		623167		
120	13.4	10.6	16.0		
236	26.4	20.4	30.6		



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





#77

Benzidine

Concen: 11.401 ng

RT: 19.59 min Scan# 2809

Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

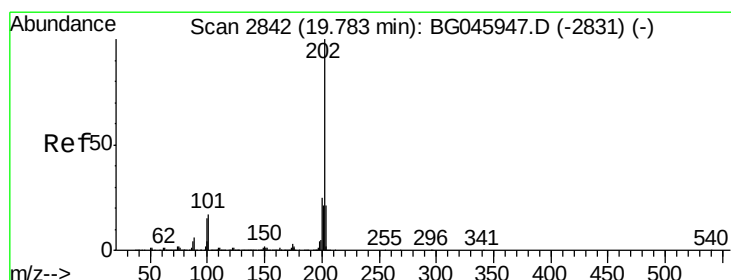
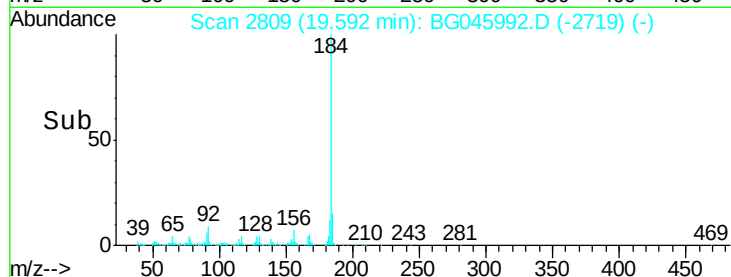
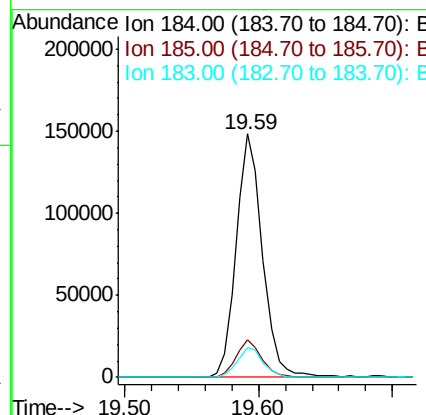
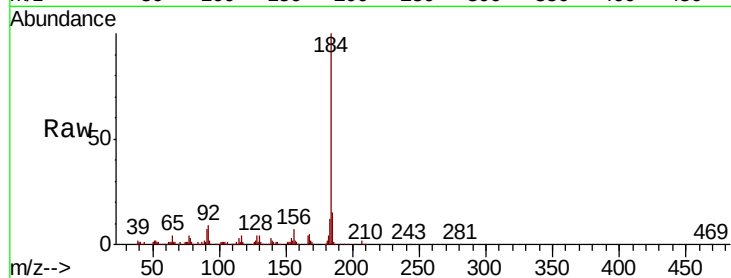
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	184	Resp:	203149
Ion Ratio	Lower	Upper	
184	100		
185	15.2	11.6	17.4
183	12.3	10.4	15.6

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#78

Pyrene

Concen: 9.777 ng

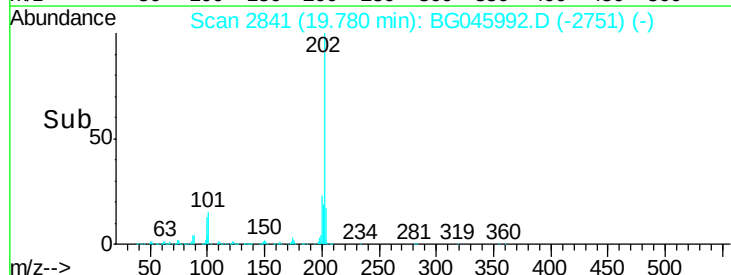
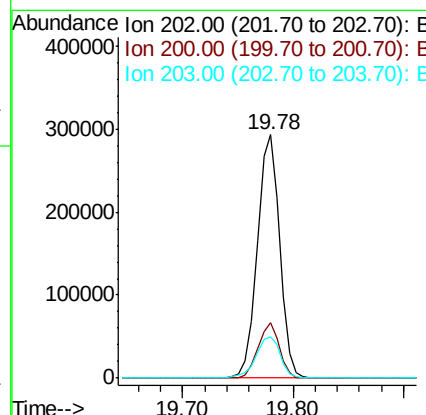
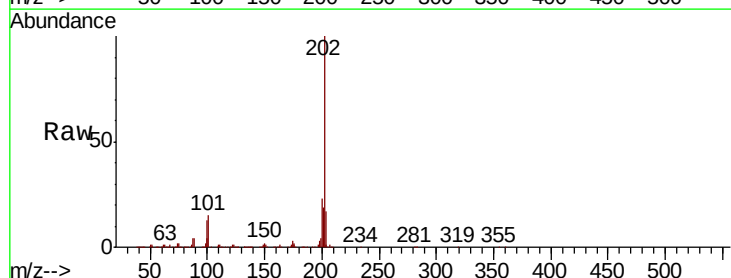
RT: 19.78 min Scan# 2841

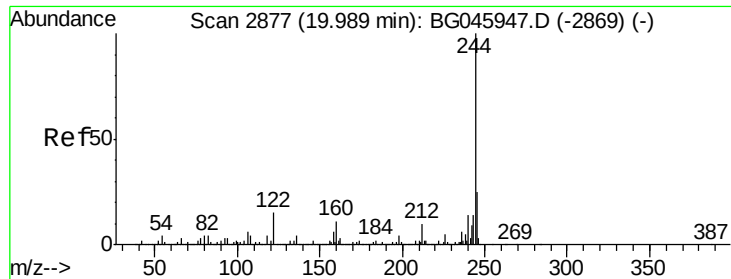
Delta R.T. -0.00 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Tgt Ion:	202	Resp:	415868
Ion Ratio	Lower	Upper	
202	100		
200	22.7	20.1	30.1
203	16.8	16.5	24.7





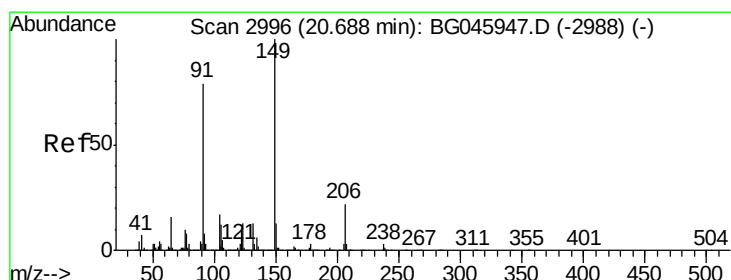
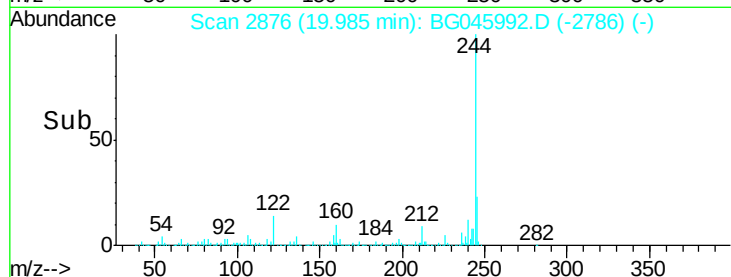
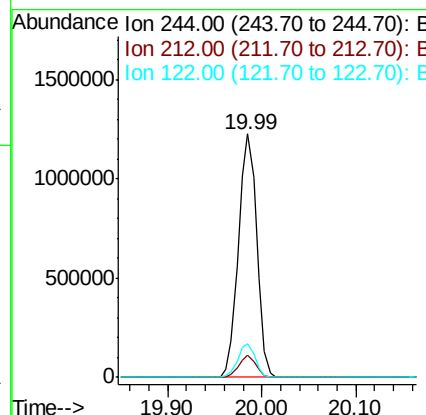
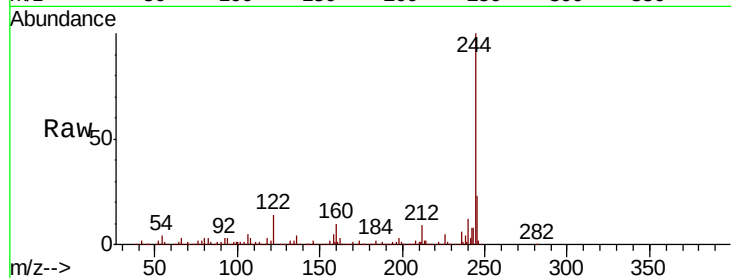
#79
 Terphenyl-d14
 Concen: 59.152 ng
 RT: 19.99 min Scan# 2876
 Delta R.T. -0.00 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.1	8.3	12.5
122	13.9	12.1	18.1

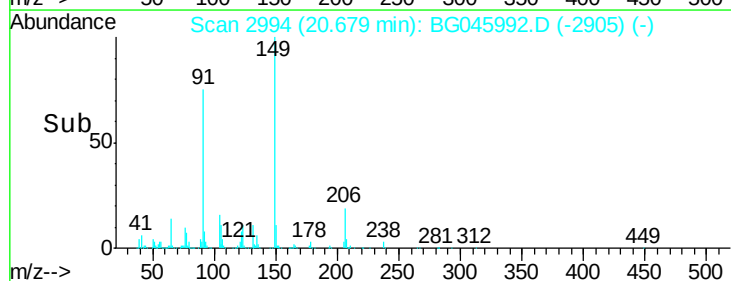
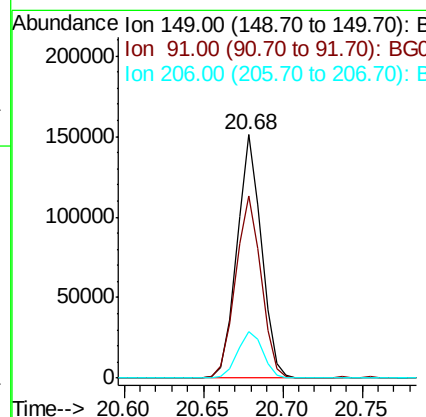
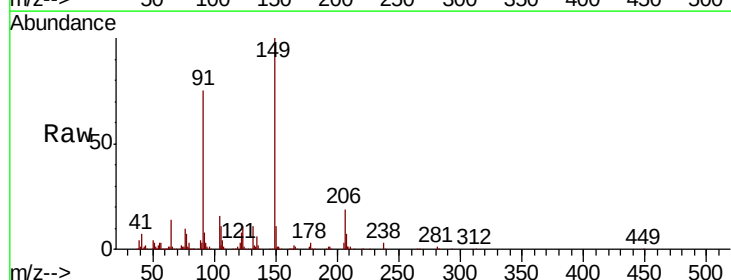
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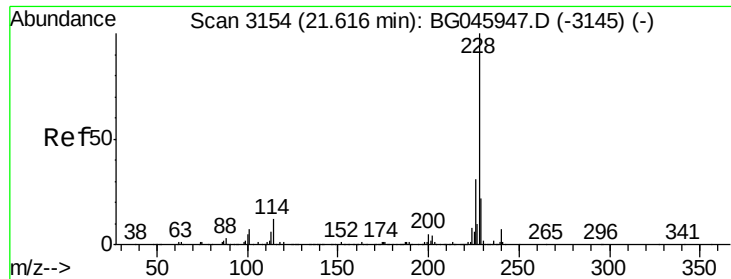
mohammad
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#80
 Butylbenzylphthalate
 Concen: 8.009 ng
 RT: 20.68 min Scan# 2994
 Delta R.T. -0.01 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
149	100		
91	75.1	63.1	94.7
206	19.1	17.4	26.0





#81

Benzo(a)anthracene

Concen: 9.298 ng

RT: 21.61 min Scan# 3152

Delta R.T. -0.01 min

Lab File: BG045992.D

Acq: 9 Jul 2020 13:01

Instrument :

BNA_G

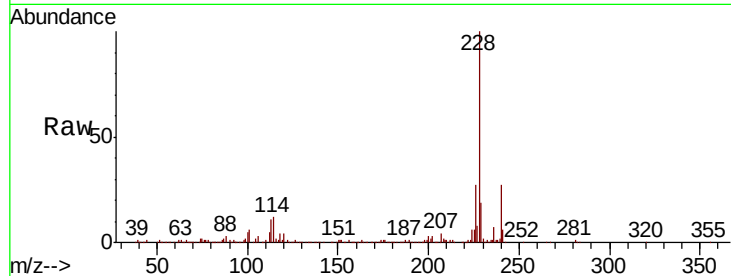
ClientSampleId :

LOQ-SOIL-02-QT3-2020

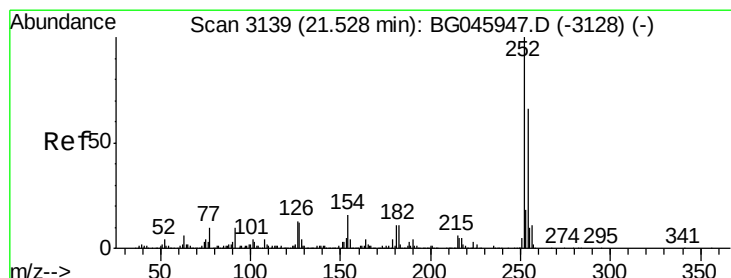
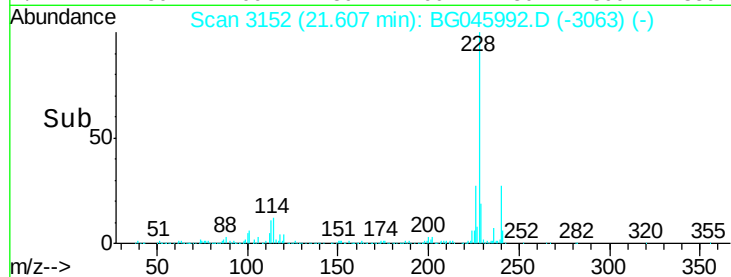
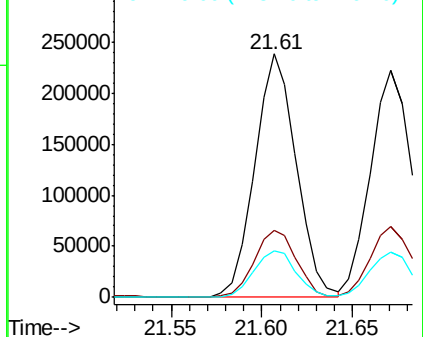
Tot Ion:	228	Resp:	381007
Ion Ratio		Lower	Upper
228	100		
226	27.3	24.8	37.2
229	19.1	17.8	26.8

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 9.174 ng

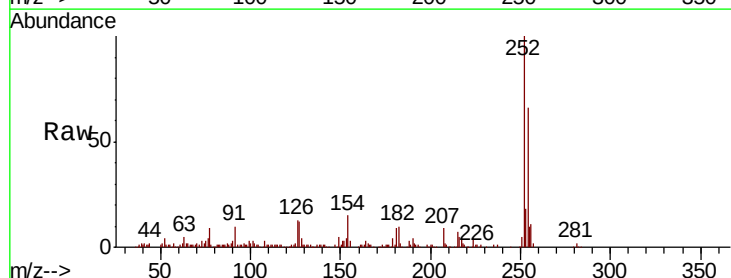
RT: 21.52 min Scan# 3138

Delta R.T. -0.00 min

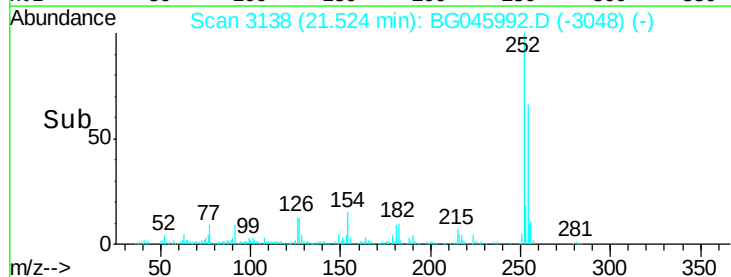
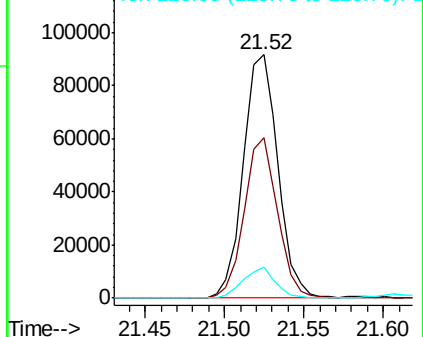
Lab File: BG045992.D

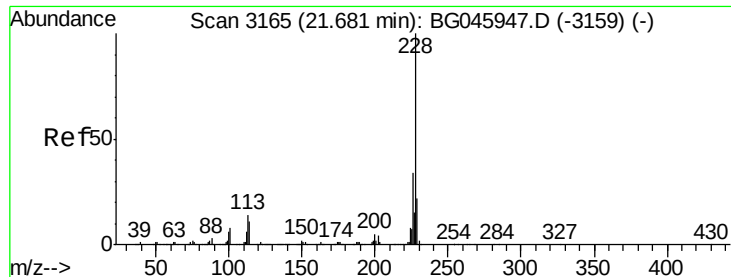
Acq: 9 Jul 2020 13:01

Tgt Ion:	252	Resp:	138899
Ion Ratio		Lower	Upper
252	100		
254	66.1	52.9	79.3
126	12.5	10.4	15.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





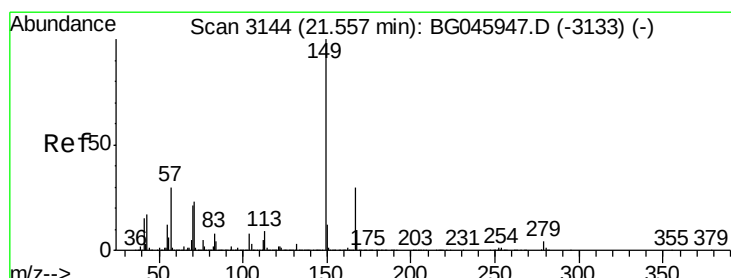
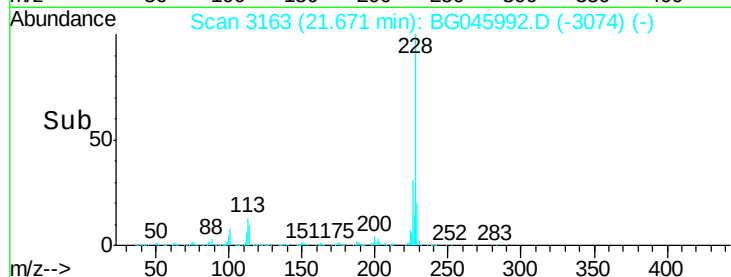
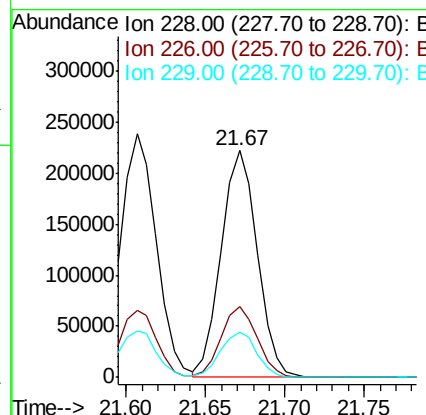
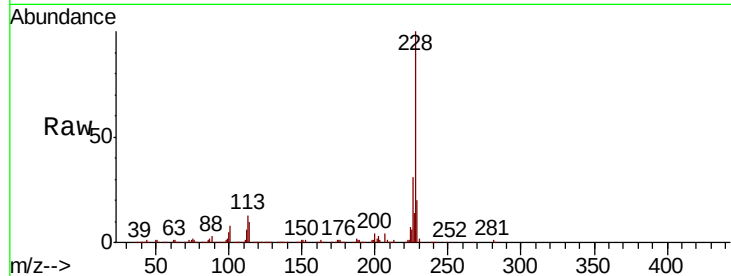
#83
Chrysene
Concen: 9.026 ng
RT: 21.67 min Scan# 3163
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	26.7	40.1
229	20.1	17.3	25.9

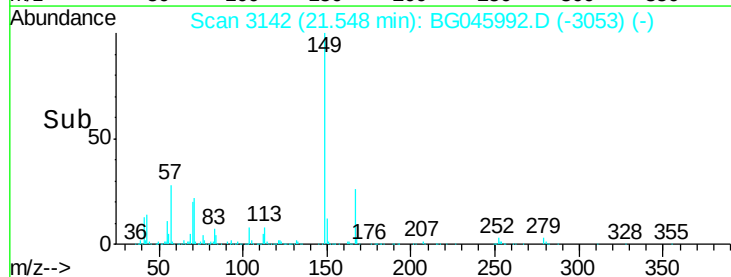
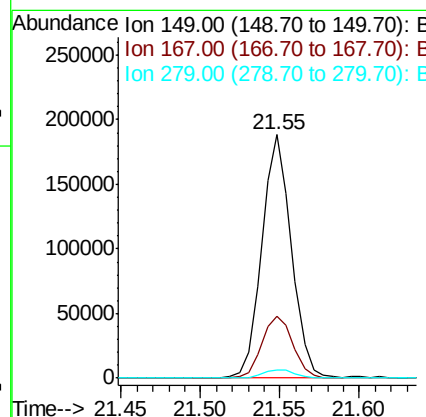
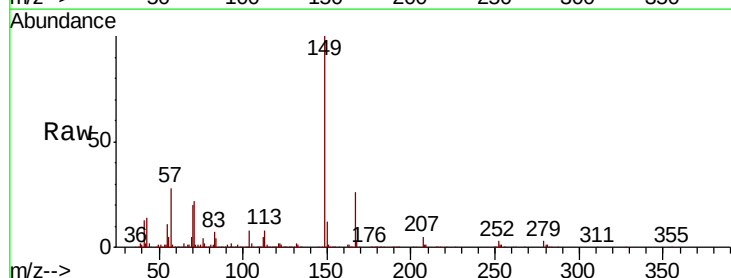
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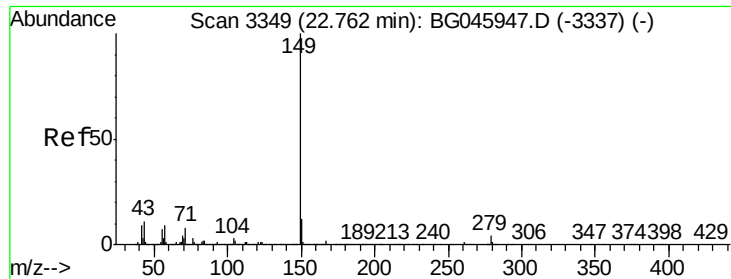
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 8.364 ng
RT: 21.55 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.6	23.8	35.8
279	3.4	3.5	5.3#





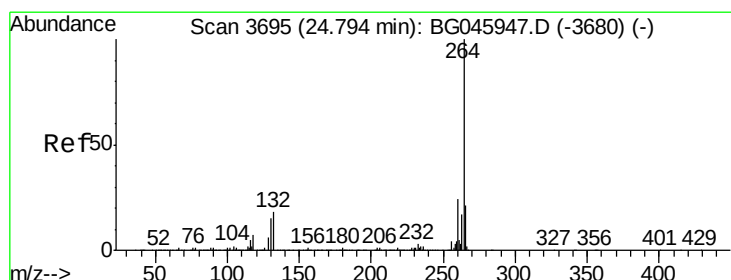
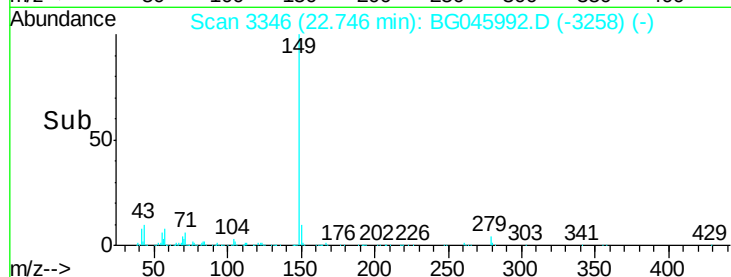
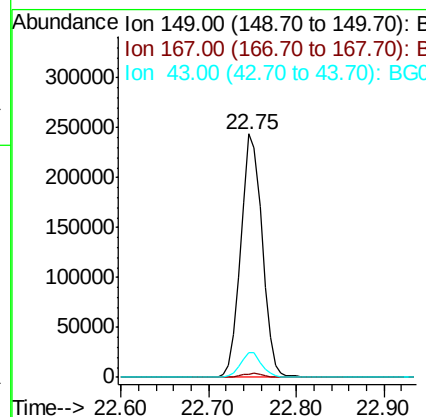
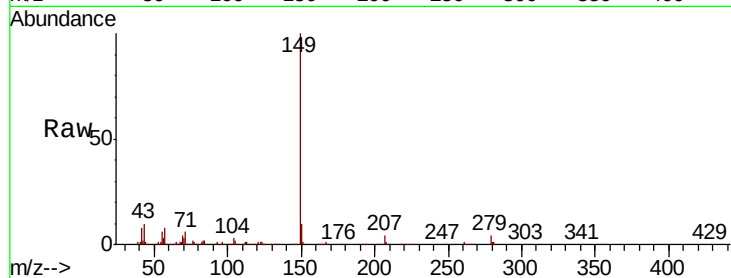
#85
Di-n-octyl phthalate
Concen: 7.899 ng
RT: 22.75 min Scan# 3346
Delta R.T. -0.02 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Resp	Lower	Upper
149	100	400000		
167	1.6		1.4	2.0
43	10.3		8.6	12.8

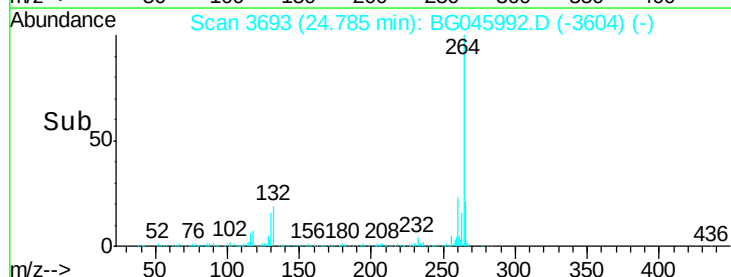
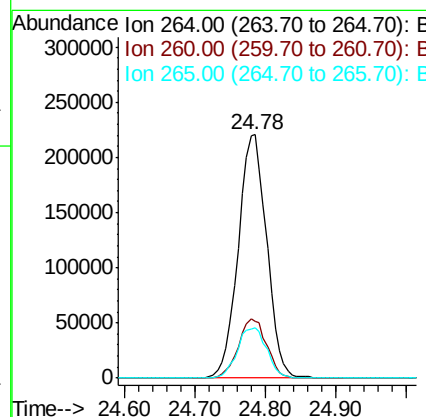
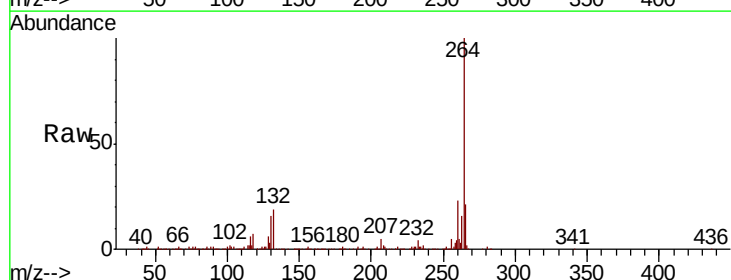
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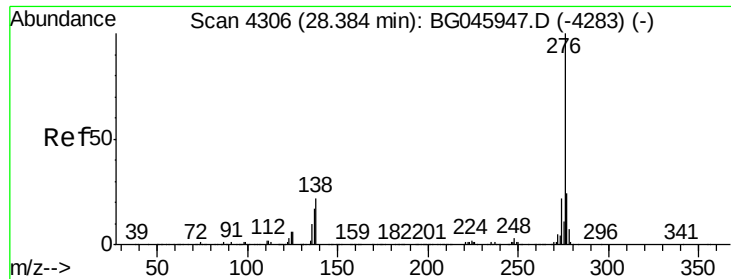
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 24.78 min Scan# 3693
Delta R.T. -0.01 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	617393		
260	23.1		19.0	28.6
265	20.8		16.9	25.3





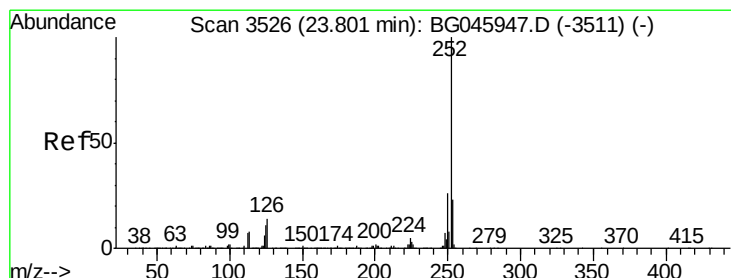
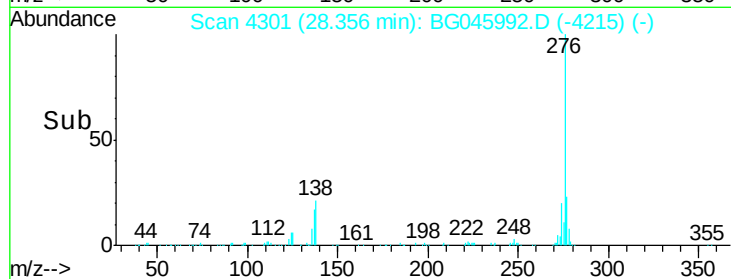
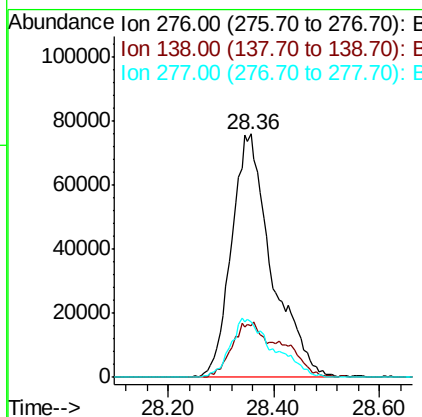
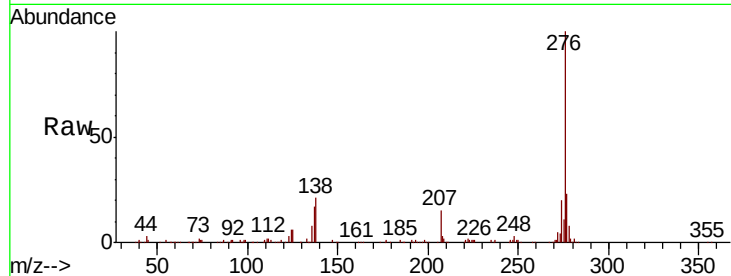
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.864 ng
 RT: 28.36 min Scan# 4301
 Delta R.T. -0.03 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.2	16.4	24.6
277	0.0	20.6	31.0

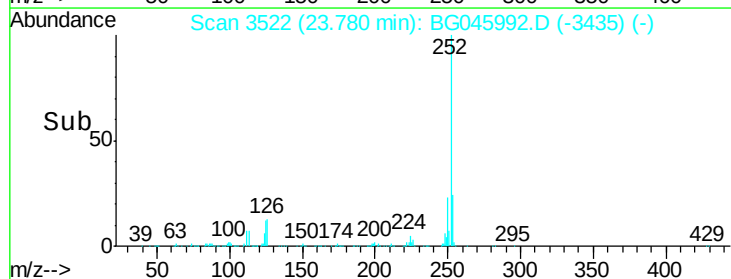
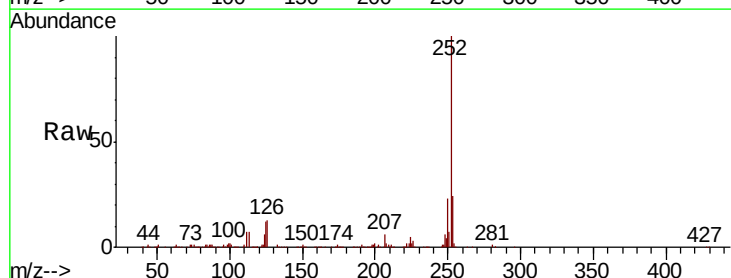
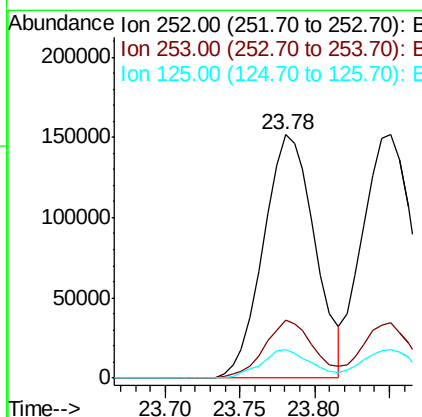
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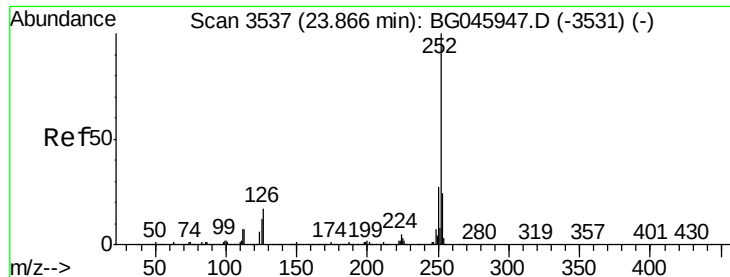
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 9.284 ng
 RT: 23.78 min Scan# 3522
 Delta R.T. -0.02 min
 Lab File: BG045992.D
 Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.5	27.7
125	12.0	9.2	13.8





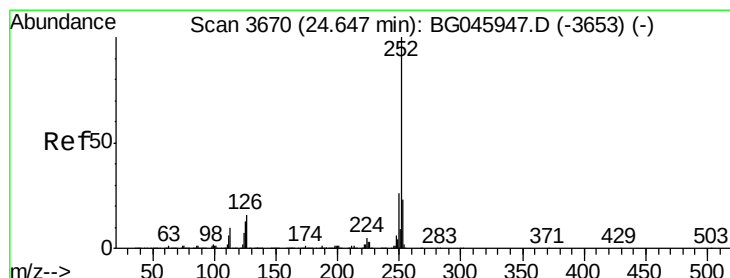
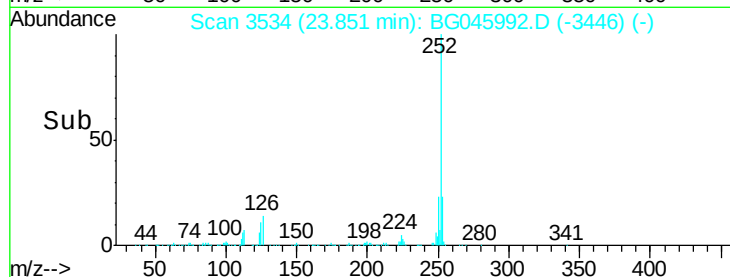
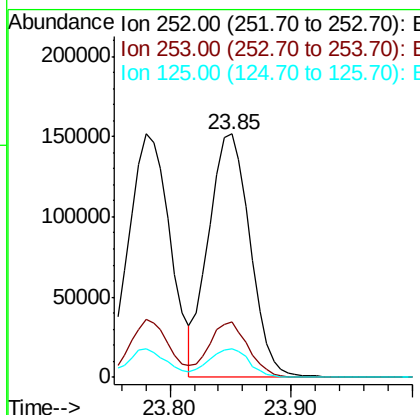
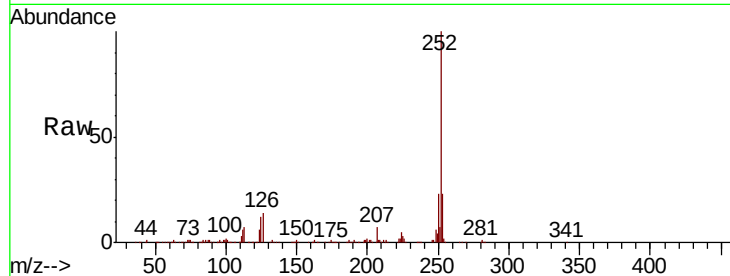
#89
Benzo(k)fluoranthene
Concen: 9.713 ng
RT: 23.85 min Scan# 3534
Delta R.T. -0.02 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Resp	Lower	Upper
252	100	359968		
253	22.7		18.9	28.3
125	11.5		9.6	14.4

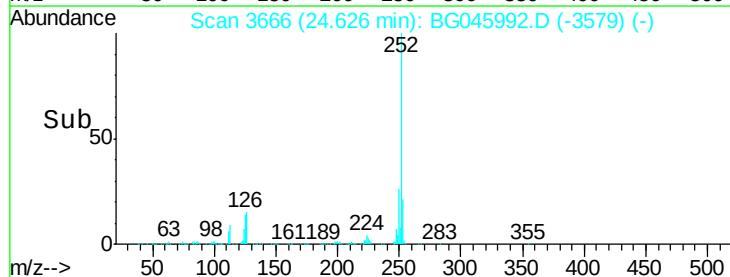
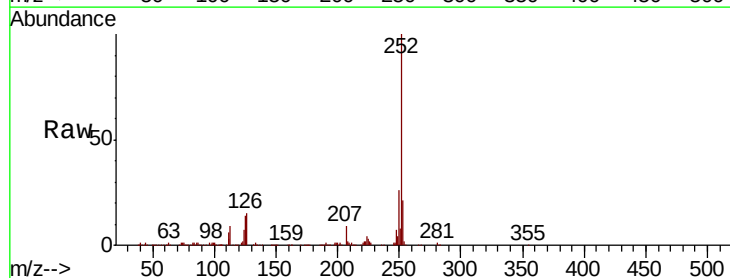
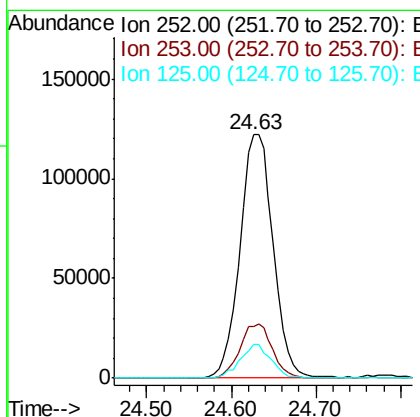
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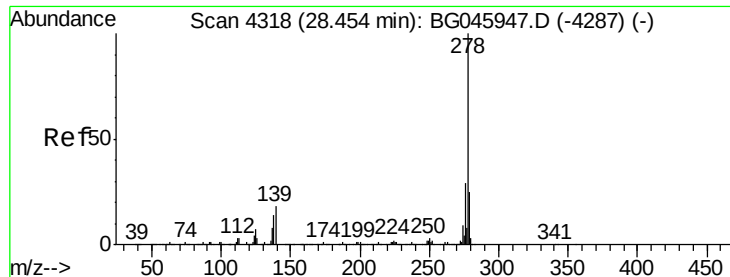
mohammad
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#90
Benzo(a)pyrene
Concen: 9.019 ng
RT: 24.63 min Scan# 3666
Delta R.T. -0.02 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	332390		
253	21.0		18.6	28.0
125	13.6		10.5	15.7





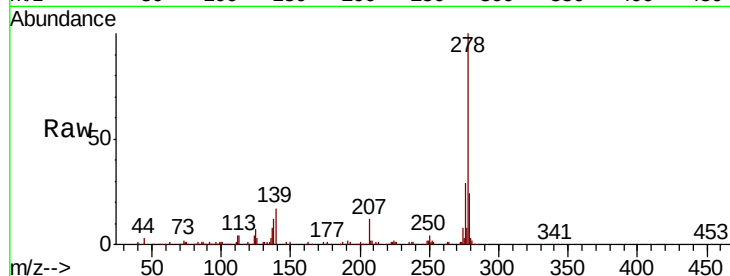
#91
Dibenzo(a,h)anthracene
Concen: 9.242 ng
RT: 28.43 min Scan# 4313
Delta R.T. -0.03 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.0	14.3	21.5
279	23.9	19.8	29.6

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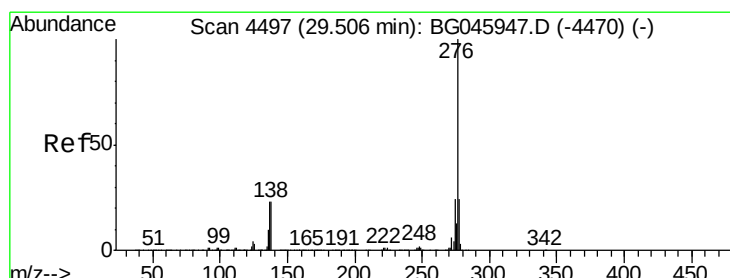
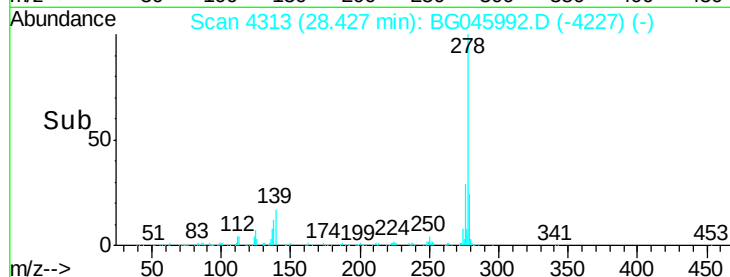
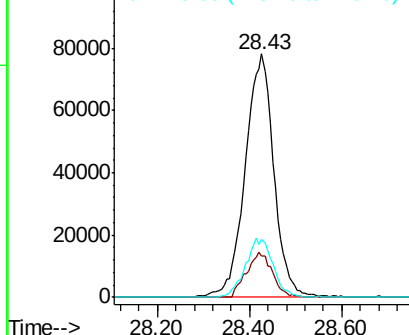


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 9.110 ng
RT: 29.45 min Scan# 4488
Delta R.T. -0.05 min
Lab File: BG045992.D
Acq: 9 Jul 2020 13:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.0
138	23.4	18.6	28.0

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

