

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070720\
 Data File : BG045963.D
 Acq On : 7 Jul 2020 17:19
 Operator : CG/JU
 Sample : L3216-01
 Misc : LOD-MDL-SOIL-4PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Manual Integrations
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mohammad
 7/9/2020 10:55:24 AM

Quant Time: Jul 07 18:20:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 09:58:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	121191	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	494412	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	295673	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	618362	20.00	ng	0.00
76) Chrysene-d12	21.63	240	596047	20.00	ng	0.00
86) Perylene-d12	24.78	264	601188	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	1128873	151.06	ng	0.00
7) Phenol-d6	7.16	99	1584426	147.26	ng	0.00
23) Nitrobenzene-d5	9.16	82	1313752	152.94	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	452574	164.92	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	2474287	130.53	ng	0.00
79) Terphenyl-d14	19.99	244	2953008	110.26	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	15749	4.568	ng	93
3) Pyridine	3.91	79	34952	3.353	ng	96
4) n-Nitrosodimethylamine	3.82	42	15378	4.362	ng	# 86
6) Aniline	7.33	93	55596	4.039	ng	97
8) 2-Chlorophenol	7.57	128	31506	3.916	ng	90
9) Benzaldehyde	7.15	77	39815	5.841	ng	94
10) Phenol	7.19	94	42513	3.939	ng	99
11) bis(2-Chloroethyl)ether	7.43	93	35091	3.932	ng	96
12) 1,3-Dichlorobenzene	7.90	146	35942	3.876	ng	94
13) 1,4-Dichlorobenzene	8.04	146	35795	3.924	ng	95
14) 1,2-Dichlorobenzene	8.36	146	33960	3.868	ng	94
15) Benzyl Alcohol	8.24	79	32597	3.864	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.54	45	47096	4.044	ng	93
17) 2-Methylphenol	8.44	107	28125	3.473	ng	92
18) Hexachloroethane	9.10	117	13755	3.919	ng	95
19) n-Nitroso-di-n-propylamine	8.81	70	31192	4.127	ng	# 96
20) 3+4-Methylphenols	8.77	107	38538	3.492	ng	93
22) Acetophenone	8.82	105	56244	4.258	ng	# 98
24) Nitrobenzene	9.20	77	43033	4.539	ng	92
25) Isophorone	9.73	82	81542	3.889	ng	# 99
26) 2-Nitrophenol	9.91	139	10959	3.546	ng	96
27) 2,4-Dimethylphenol	9.97	122	30683	4.111	ng	97
28) bis(2-Chloroethoxy)methane	10.21	93	47279	4.015	ng	96
29) 2,4-Dichlorophenol	10.44	162	26730	3.459	ng	97
30) 1,2,4-Trichlorobenzene	10.67	180	31629	3.694	ng	96
31) Naphthalene	10.85	128	105115	3.966	ng	98
32) Benzoic acid	10.02	122	7351	1.819	ng	96
33) 4-Chloroaniline	10.95	127	43572	3.679	ng	96
34) Hexachlorobutadiene	11.16	225	18335	3.668	ng	97
35) Caprolactam	11.69	113	9334	3.182	ng	93
36) 4-Chloro-3-methylphenol	12.07	107	31799	3.613	ng	98
37) 2-Methylnaphthalene	12.46	142	76316	4.051	ng	97
38) 1-Methylnaphthalene	12.68	142	71860m	4.041	ng	
40) 1,2,4,5-Tetrachlorobenzene	12.83	216	36029	4.323	ng	99

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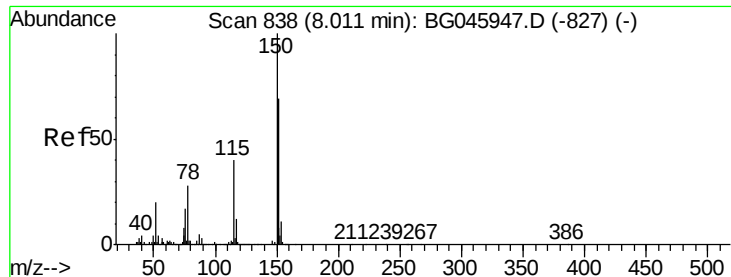
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.82	237	18486	3.738	nq	89
43) 2,4,6-Trichlorophenol	13.06	196	20093	3.565	nq	92
44) 2,4,5-Trichlorophenol	13.13	196	20777	3.260	nq	92
46) 1,1'-Biphenyl	13.47	154	102572	4.612	nq	96
47) 2-Chloronaphthalene	13.50	162	68271	3.890	nq	98
48) 2-Nitroaniline	13.69	65	16240	3.954	nq	93
49) Acenaphthylene	14.35	152	118254	4.176	nq	96
50) Dimethylphthalate	14.08	163	87501	3.943	nq	97
51) 2,6-Dinitrotoluene	14.19	165	12378	3.595	nq	94
52) Acenaphthene	14.69	154	67217	3.764	nq	97
53) 3-Nitroaniline	14.51	138	14479	3.393	nq	97
54) 2,4-Dinitrophenol	14.72	184	2263	1.863	nq	# 20
55) Dibenzofuran	15.02	168	109672	4.189	nq	95
56) 4-Nitrophenol	14.81	139	10806	2.989	nq	85
57) 2,4-Dinitrotoluene	14.98	165	15761	3.705	nq	92
58) Fluorene	15.68	166	86739	4.039	nq	98
59) 2,3,4,6-Tetrachlorophenol	15.25	232	17986	3.655	nq	# 92
60) Diethylphthalate	15.45	149	88299	3.794	nq	97
61) 4-Chlorophenyl-phenylether	15.67	204	40993	3.837	nq	97
62) 4-Nitroaniline	15.67	138	15601	3.402	nq	98
63) Azobenzene	15.96	77	100213	4.012	nq	97
65) 4,6-Dinitro-2-methylphenol	15.74	198	4504	2.487	nq	94
66) n-Nitrosodiphenylamine	15.88	169	75586	3.945	nq	98
67) 4-Bromophenyl-phenylether	16.56	248	25137	3.640	nq	94
68) Hexachlorobenzene	16.69	284	26237	3.786	nq	95
69) Atrazine	16.83	200	24394	4.306	nq	96
70) Pentachlorophenol	17.02	266	12027	3.121	nq	# 90
71) Phenanthrene	17.41	178	138190	4.227	nq	96
72) Anthracene	17.50	178	140014	4.220	nq	94
73) Carbazole	17.77	167	131805	3.964	nq	95
74) Di-n-butylphthalate	18.35	149	159261	3.963	nq	# 94
75) Fluoranthene	19.42	202	158701	4.199	nq	95
77) Benzidine	19.59	184	72824	4.273	nq	98
78) Pyrene	19.78	202	164365	4.040	nq	95
80) Butylbenzylphthalate	20.68	149	64344	3.347	nq	98
81) Benzo(a)anthracene	21.61	228	158865	4.053	nq	95
82) 3,3'-Dichlorobenzidine	21.53	252	55226	3.813	nq	98
83) Chrysene	21.67	228	143808	3.852	nq	95
84) Bis(2-ethylhexyl)phthalate	21.55	149	99957	3.582	nq	94
85) Di-n-octyl phthalate	22.75	149	168690	3.483	nq	100
87) Indeno(1,2,3-cd)pyrene	28.35	276	165120	3.754	nq	# 95
88) Benzo(b)fluoranthene	23.78	252	152071	3.985	nq	96
89) Benzo(k)fluoranthene	23.85	252	148862	4.125	nq	97
90) Benzo(a)pyrene	24.63	252	137685	3.837	nq	98
91) Dibenzo(a,h)anthracene	28.42	278	141134	3.979	nq	98
92) Benzo(g,h,i)perylene	29.46	276	140730	3.942	nq	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 838

Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

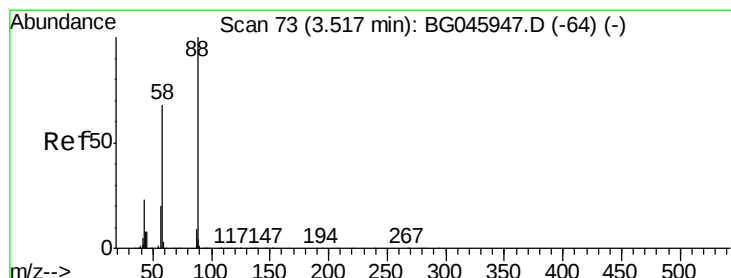
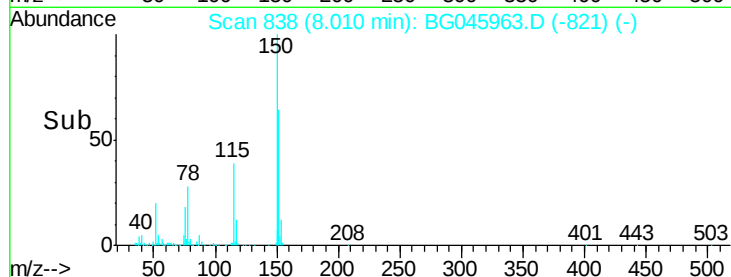
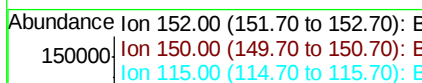
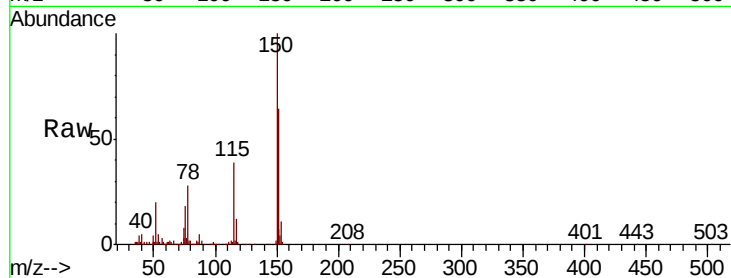
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	152	Resp:	121191
Ion	Ratio	Lower	Upper
152	100		
150	157.2	116.7	175.1
115	60.7	47.4	71.0

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#2

1,4-Dioxane

Concen: 4.568 ng

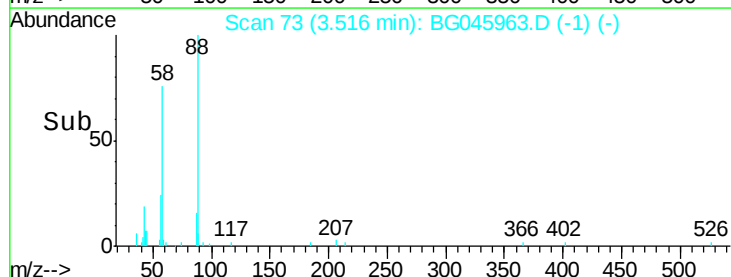
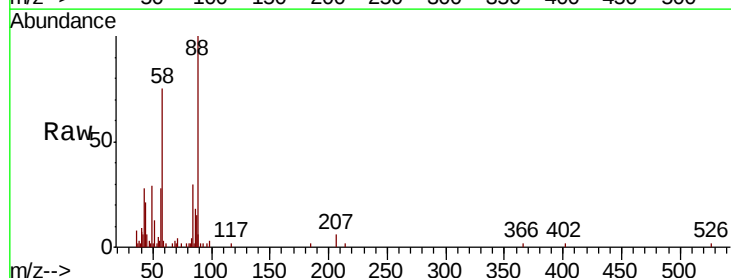
RT: 3.52 min Scan# 73

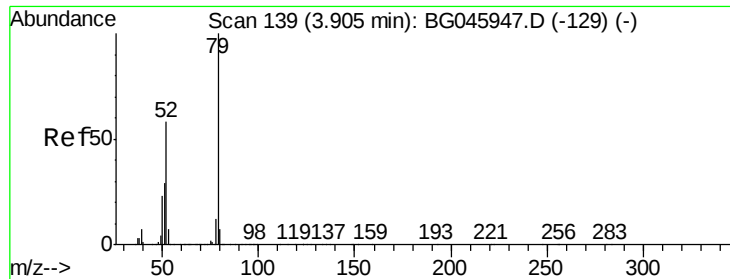
Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Tgt Ion:	88	Resp:	15749
Ion	Ratio	Lower	Upper
88	100		
58	76.3	55.2	82.8
43	25.8	19.4	29.0





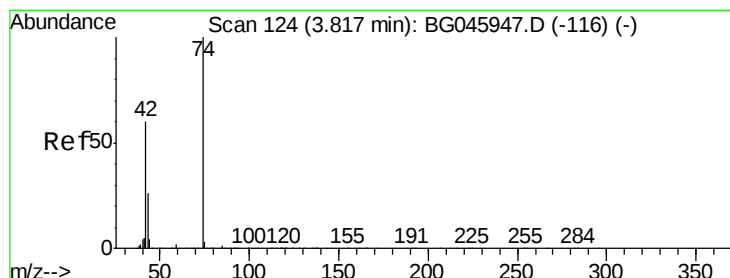
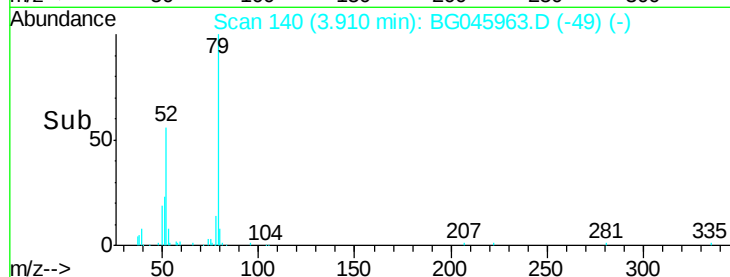
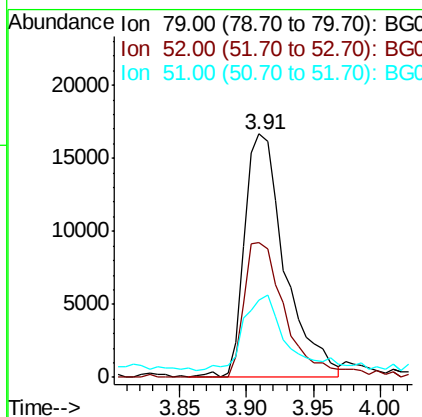
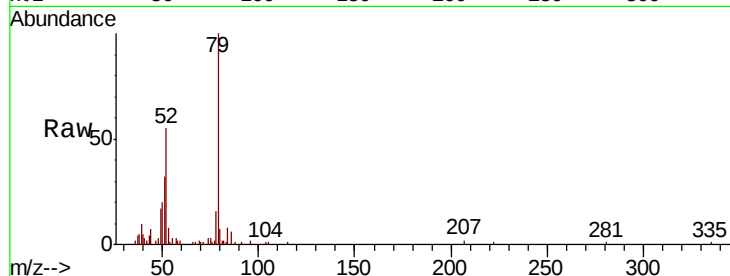
#3
 Pvridine
 Concen: 3.353 ng
 RT: 3.91 min Scan# 140
 Delta R.T. 0.01 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
79	100		
52	55.3	46.5	69.7
51	31.7	23.5	35.3

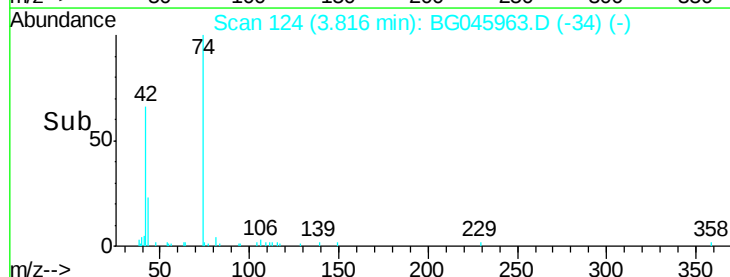
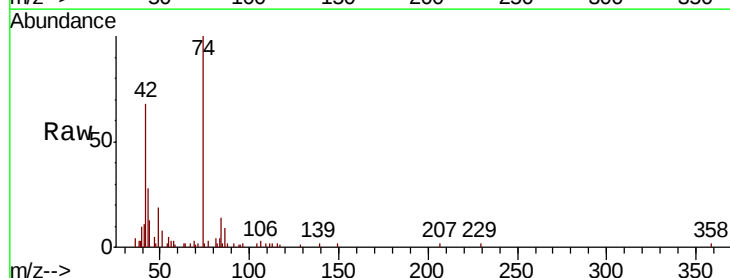
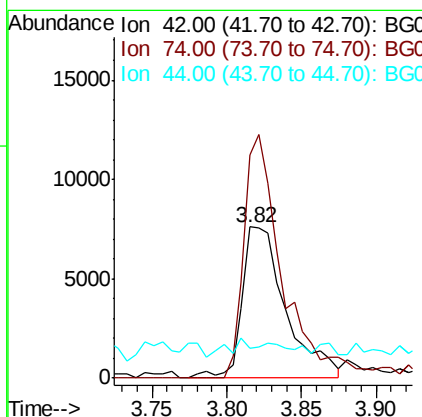
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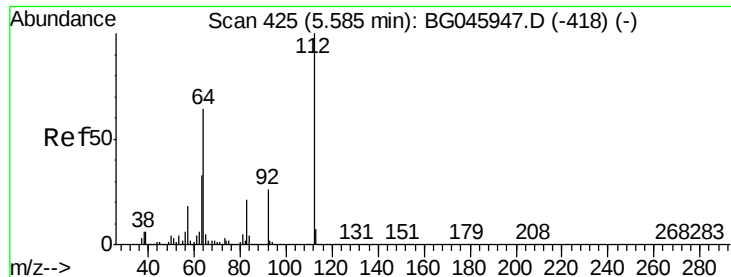
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#4
 n-Nitrosodimethylamine
 Concen: 4.362 ng
 RT: 3.82 min Scan# 124
 Delta R.T. -0.00 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
42	100		
74	147.4	131.9	197.9
44	19.4	7.7	11.5





#5

2-Fluorophenol

Concen: 151.055 ng

RT: 5.58 min Scan# 425

Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:112 Resp: 1128873

Ion Ratio Lower Upper

112 100

64 66.7 51.4 77.2

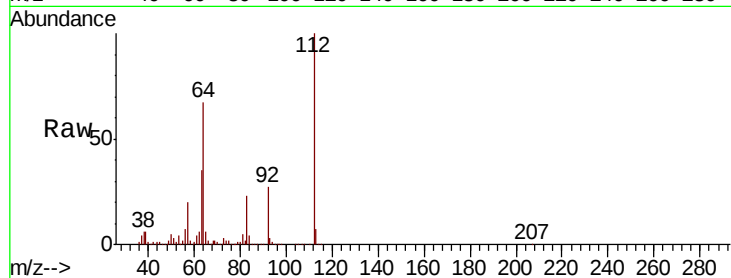
63 35.1 26.6 40.0

Manual Integrations

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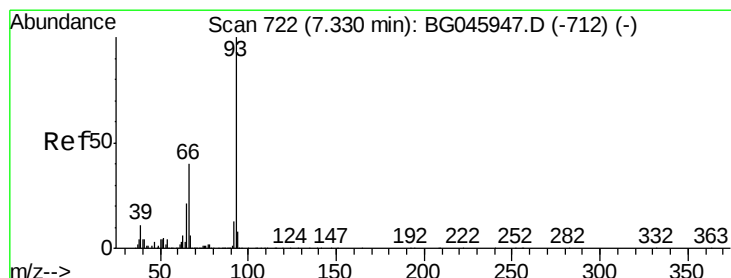
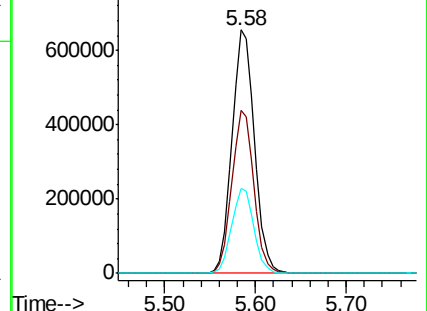
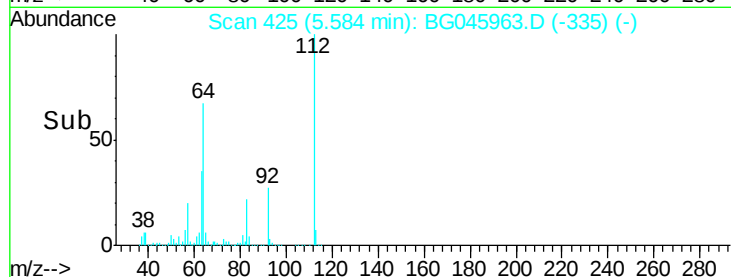
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Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 4.039 ng

RT: 7.33 min Scan# 722

Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

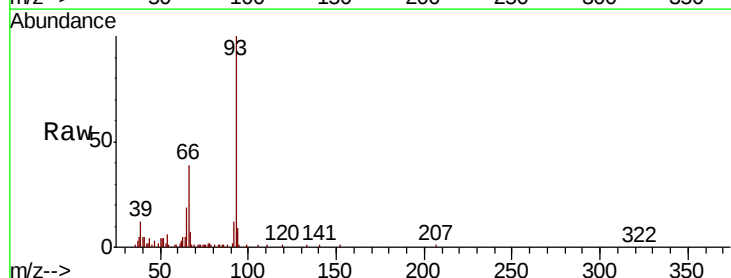
Tgt Ion: 93 Resp: 55596

Ion Ratio Lower Upper

93 100

66 38.6 32.3 48.5

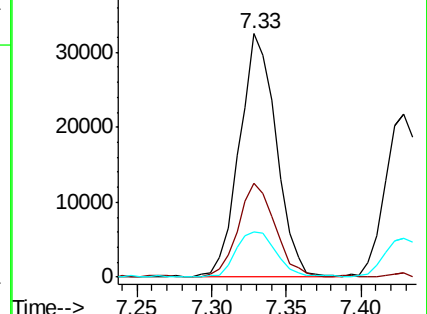
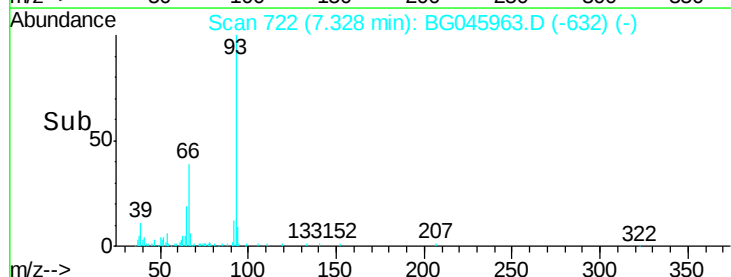
65 18.7 16.6 25.0

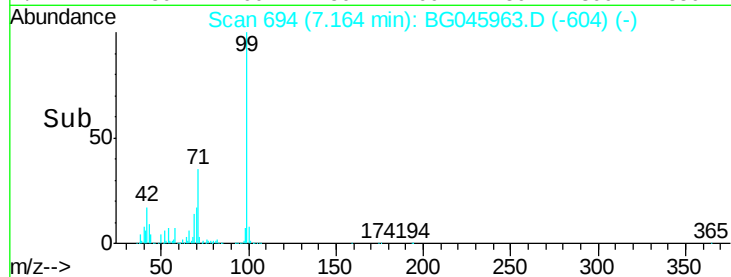
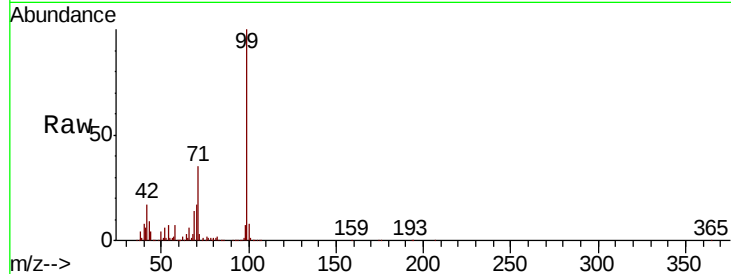
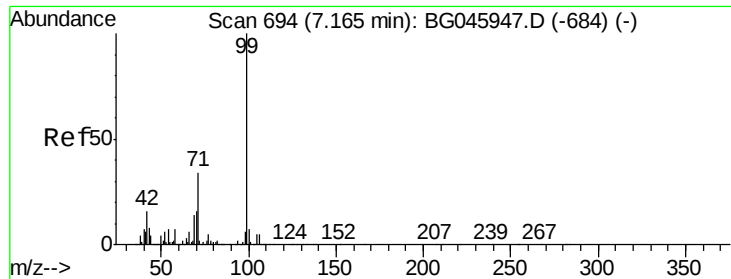


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 147.261 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Tot Ion:	99	Resp:	1584426
Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.0	19.4
71	35.3	27.5	41.3

Instrument :

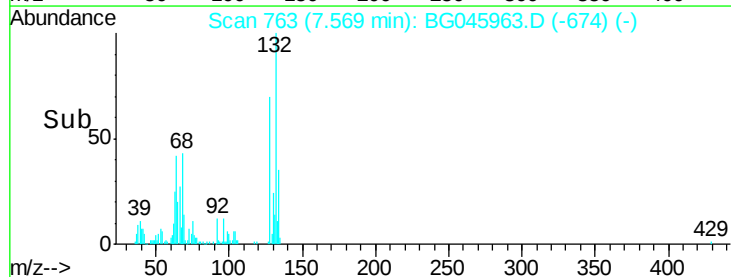
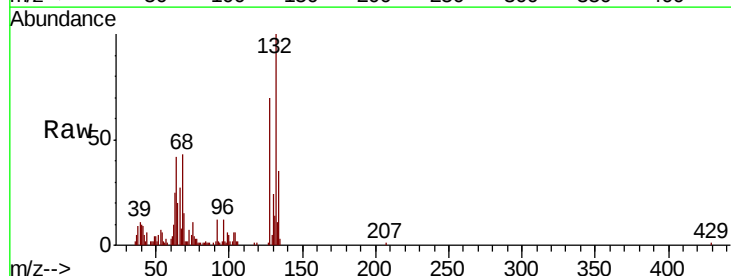
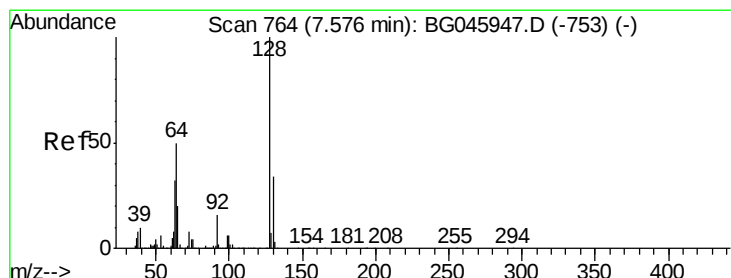
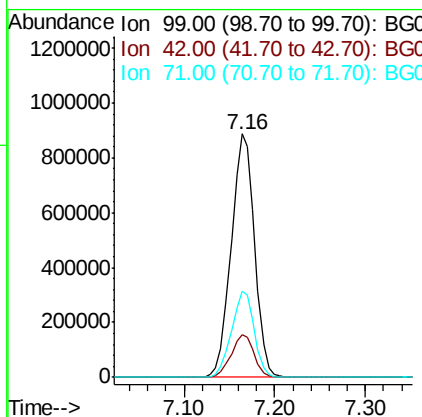
BNA_G

ClientSampleId :

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#8

2-Chlorophenol

Concen: 3.916 ng

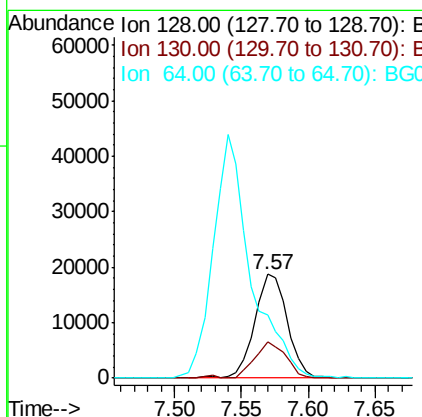
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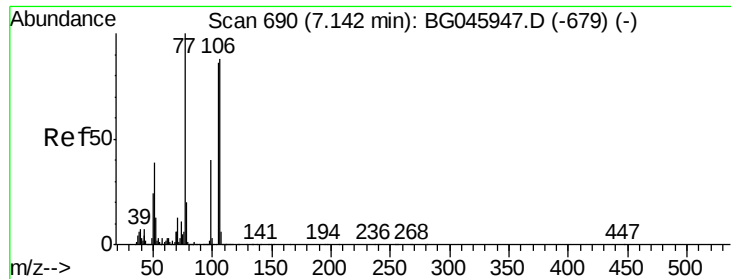
Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Tgt Ion:	128	Resp:	31506
Ion	Ratio	Lower	Upper
128	100		
130	34.7	13.6	53.6
64	60.7	30.6	70.6





#9

Benzaldehyde

Concen: 5.841 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

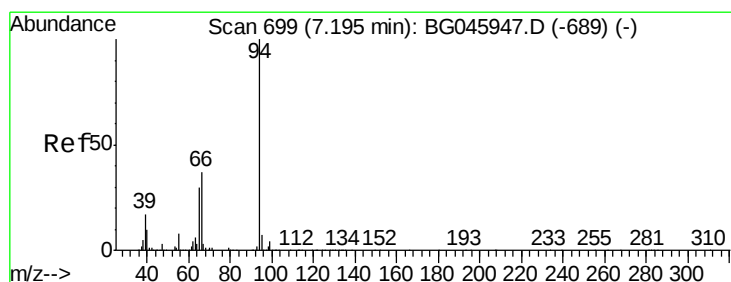
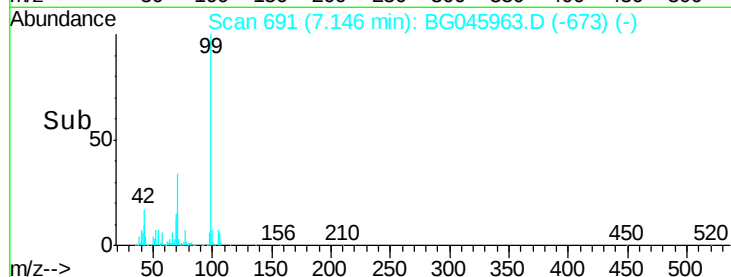
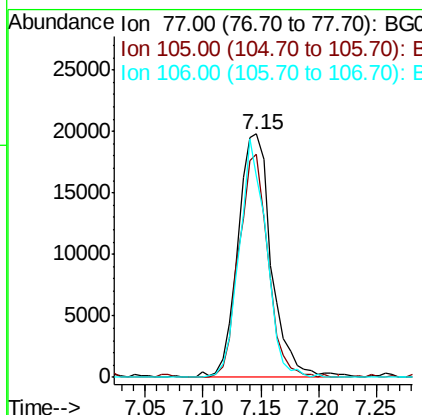
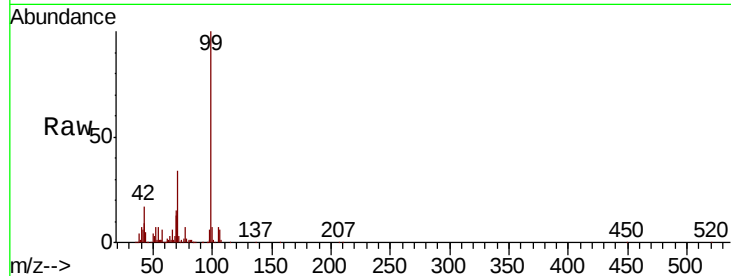
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	77	Resp:	39815
Ion	Ratio	Lower	Upper
77	100		
105	91.6	66.0	106.0
106	82.9	67.7	107.7

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#10

Phenol

Concen: 3.939 ng

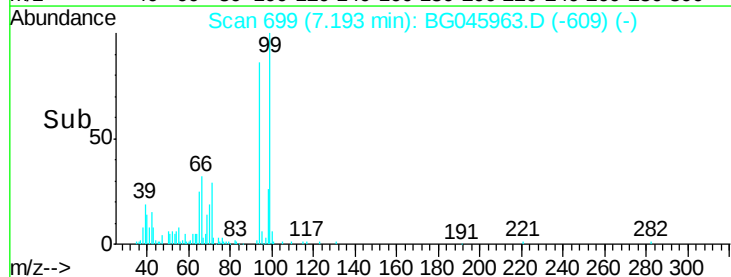
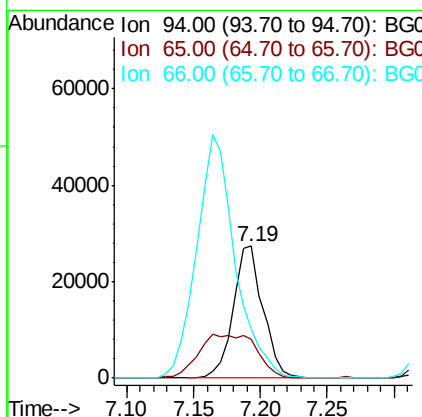
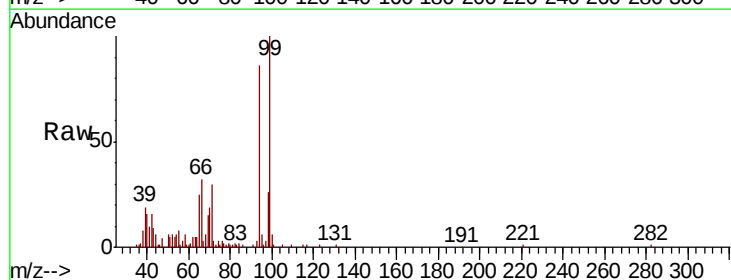
RT: 7.19 min Scan# 699

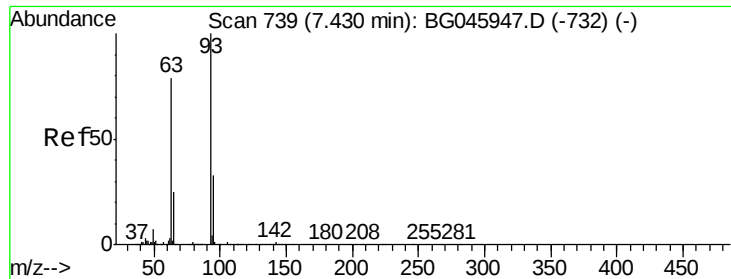
Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Tgt Ion:	94	Resp:	42513
Ion	Ratio	Lower	Upper
94	100		
65	29.6	10.6	50.6
66	37.7	17.1	57.1





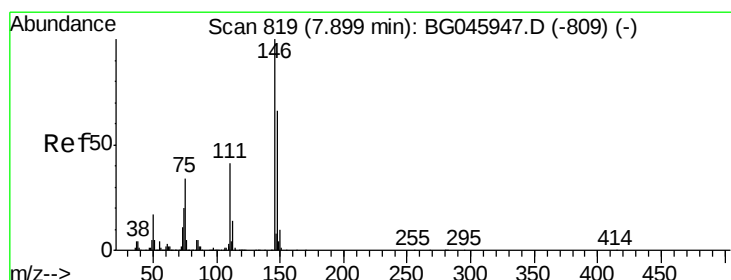
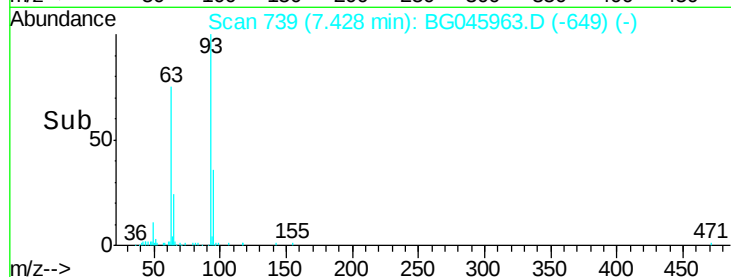
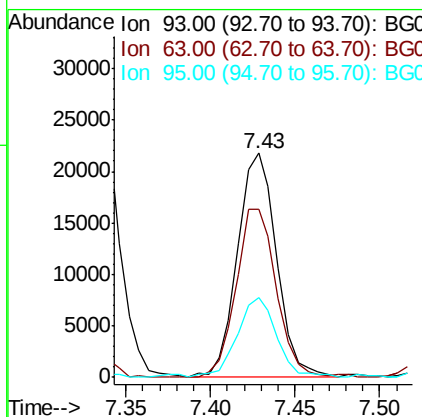
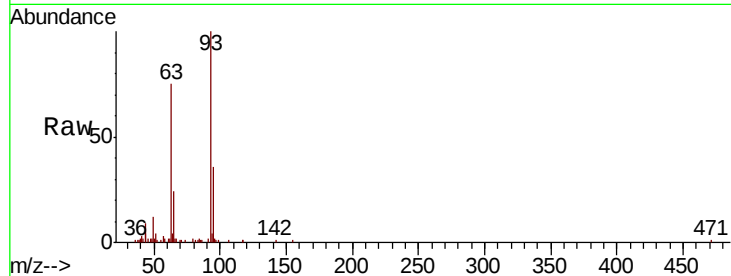
#11
bis(2-Chloroethyl)ether
Concen: 3.932 ng
RT: 7.43 min Scan# 739
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	93	Resp:	35091
Ion Ratio	Lower	Upper	
93	100		
63	74.9	58.6	98.6
95	35.9	13.3	53.3

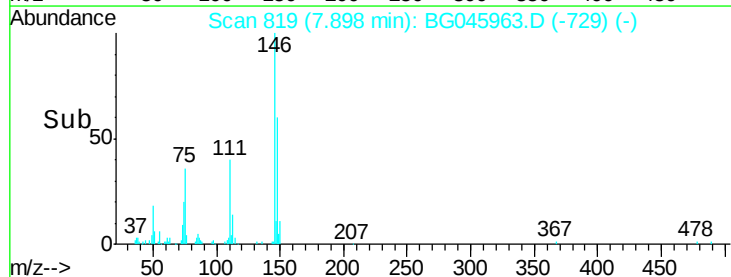
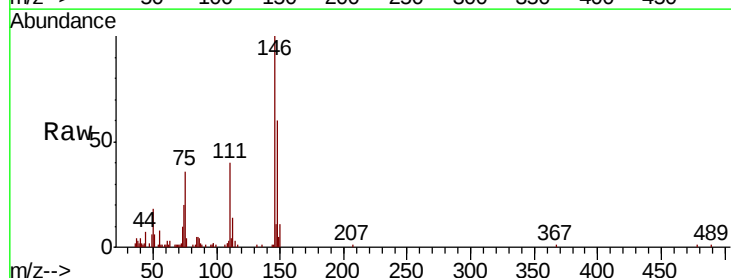
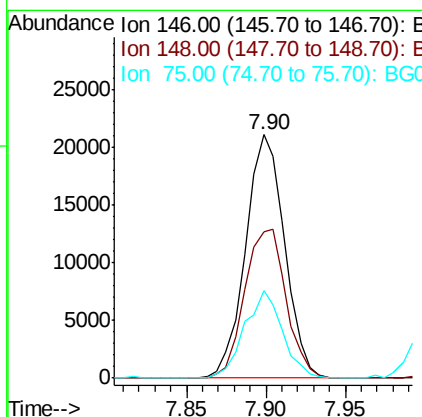
Manual Integrations
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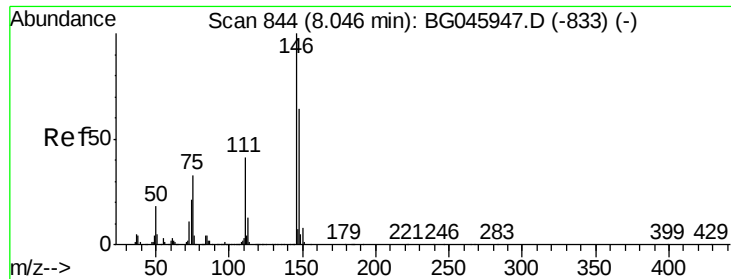
mohammad
7/9/2020 10:55:24 AM



#12
1,3-Dichlorobenzene
Concen: 3.876 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion:	146	Resp:	35942
Ion Ratio	Lower	Upper	
146	100		
148	60.4	52.8	79.2
75	35.7	27.2	40.8





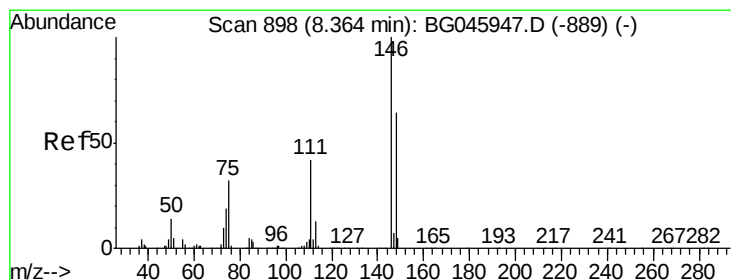
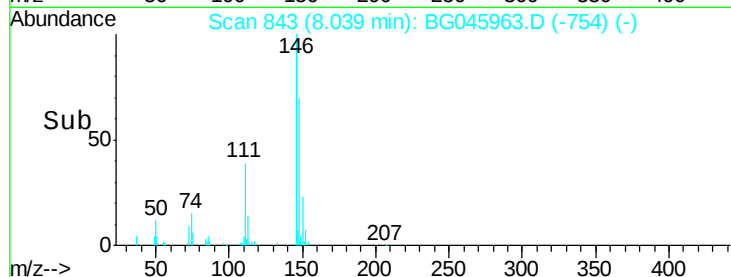
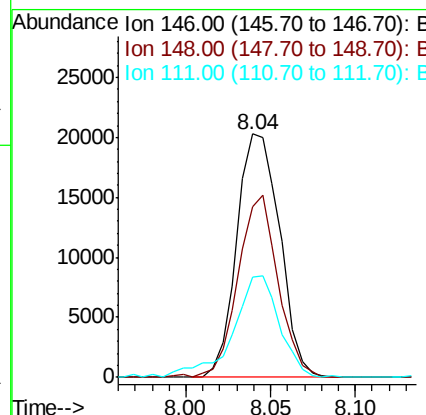
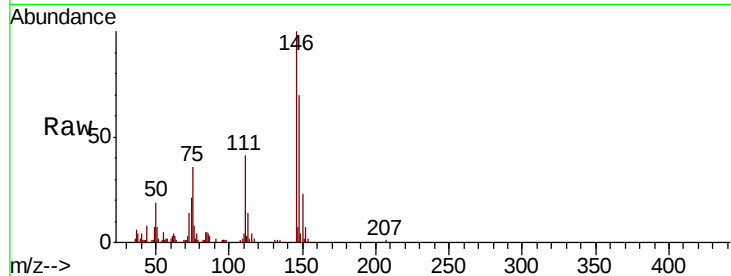
#13
1,4-Dichlorobenzene
Concen: 3.924 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
148	70.3	51.7	77.5
111	41.2	33.3	49.9

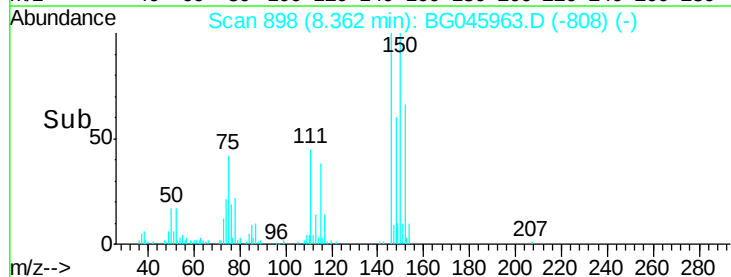
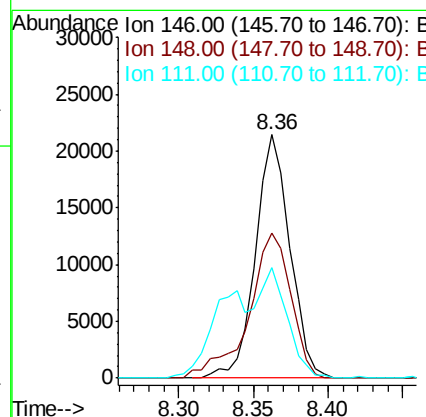
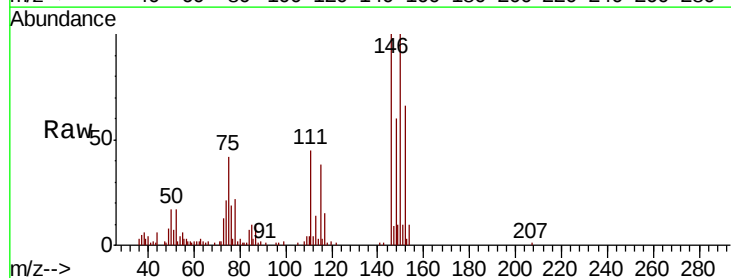
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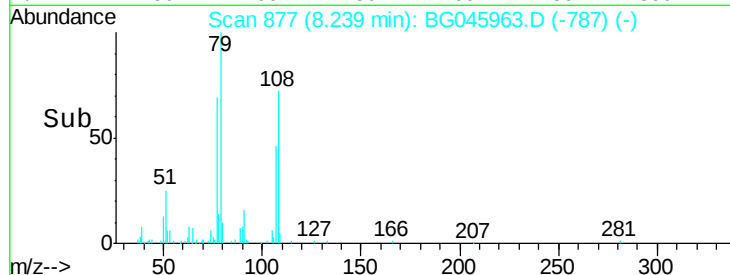
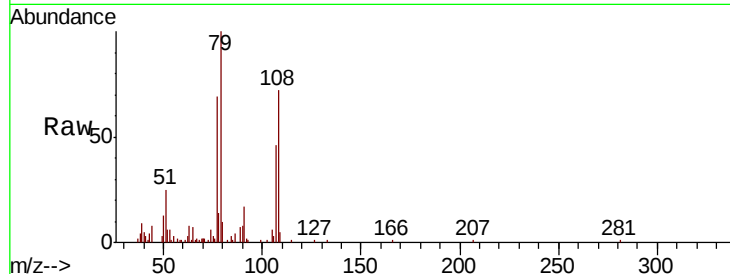
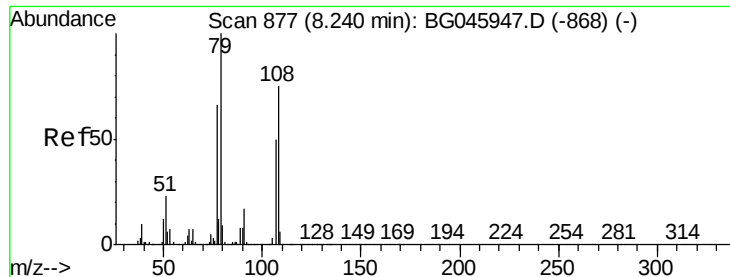
mohammad
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#14
1,2-Dichlorobenzene
Concen: 3.868 ng
RT: 8.36 min Scan# 898
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
146	100		
148	59.6	51.6	77.4
111	45.5	34.0	51.0





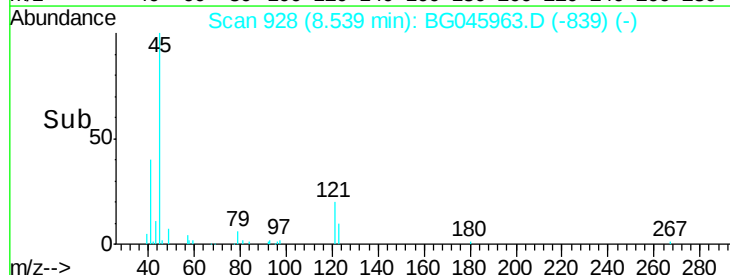
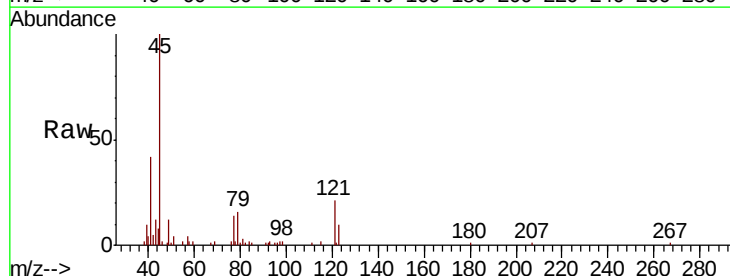
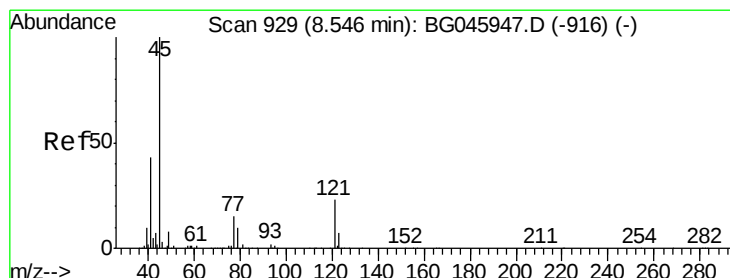
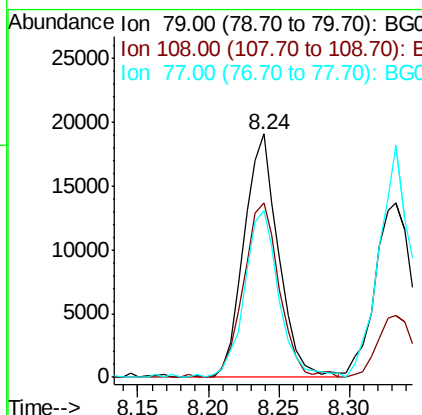
#15
Benzyl Alcohol
Concen: 3.864 ng
RT: 8.24 min Scan# 877
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tot Ion	Ratio	Lower	Upper
79	100		
108	71.8	60.2	90.4
77	68.6	52.9	79.3

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

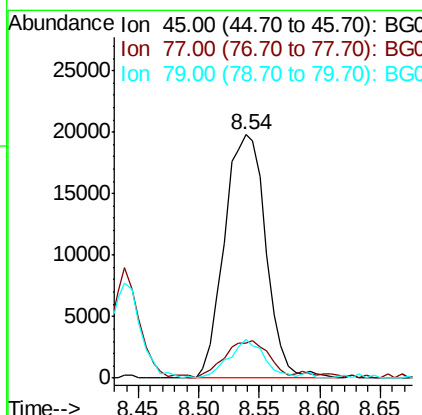
Manual Integrations
APPROVED

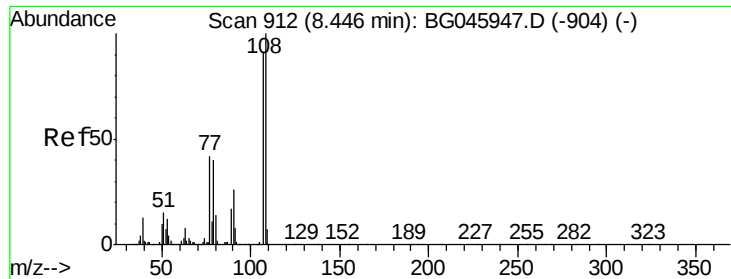
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.044 ng
RT: 8.54 min Scan# 928
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.5	0.0	37.6
79	15.7	0.0	32.6





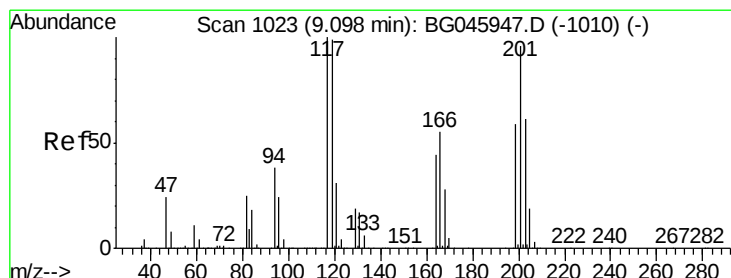
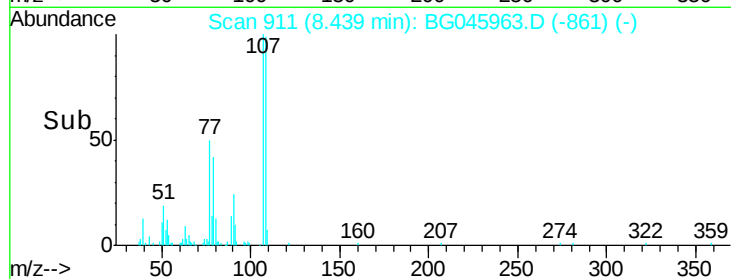
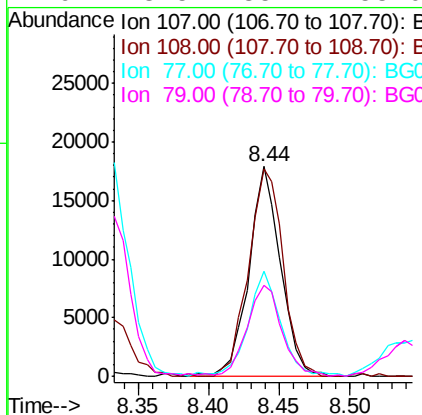
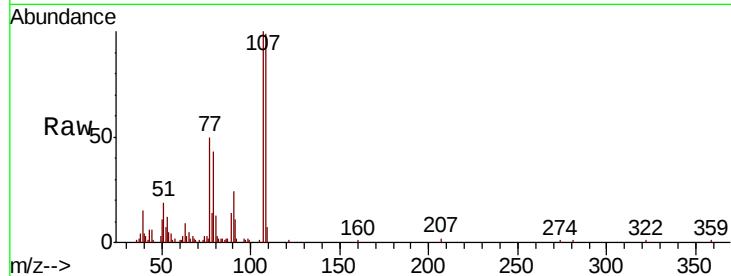
#17
2-Methylphenol
Concen: 3.473 ng
RT: 8.44 min Scan# 911
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	98.7	88.2	132.4	
77	50.1	37.0	55.4	
79	43.5	35.4	53.0	

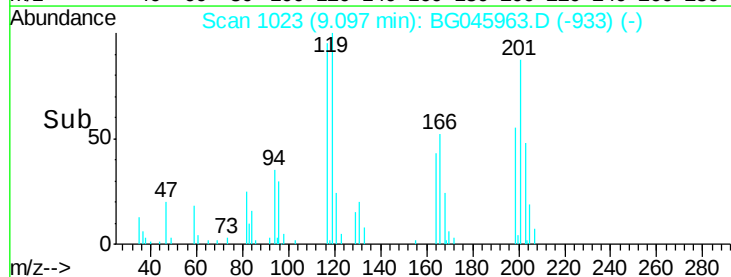
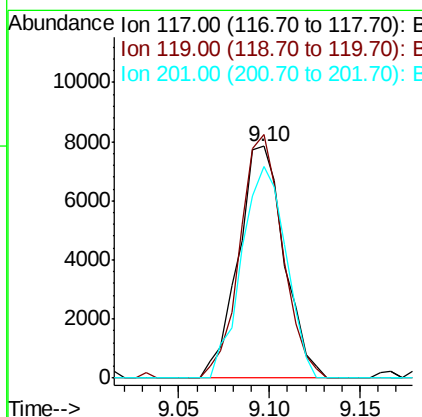
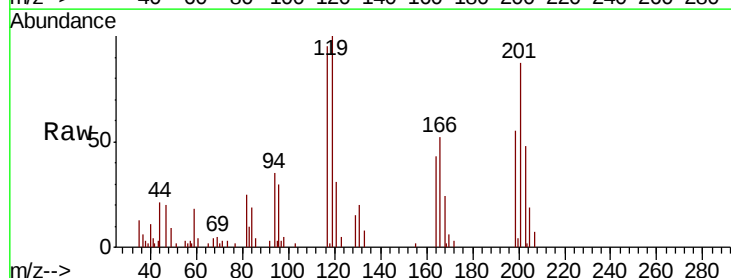
Manual Integrations
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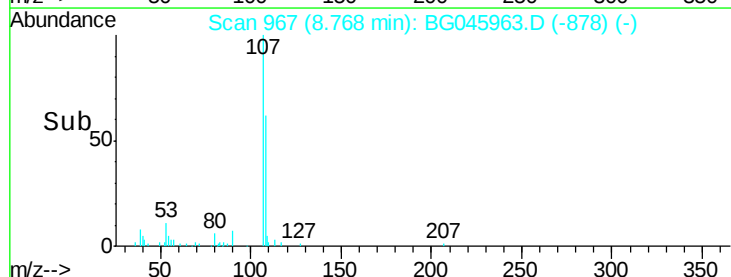
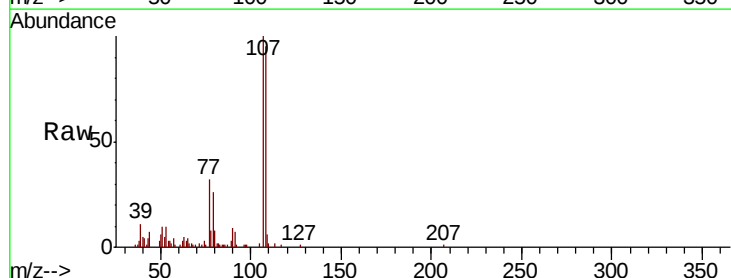
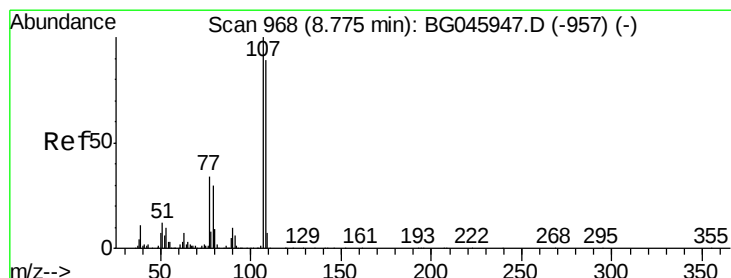
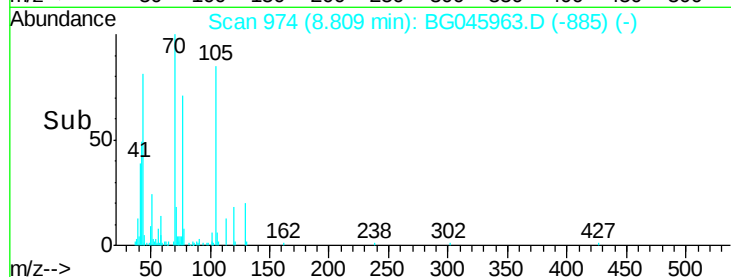
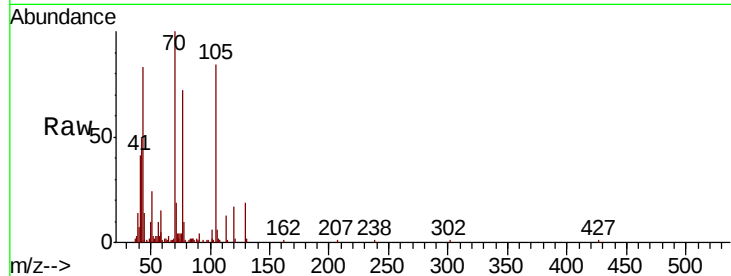
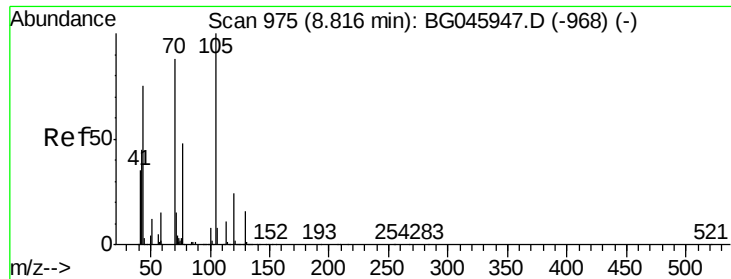
mohammad
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#18
Hexachloroethane
Concen: 3.919 ng
RT: 9.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

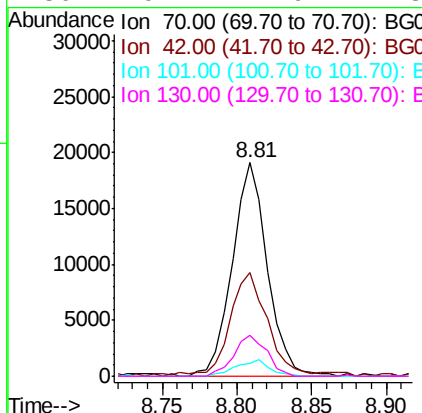
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	105.0	79.5	119.3	
201	91.4	77.0	115.4	





#19
n-Nitroso-di-n-propylamine
Concen: 4.127 ng
RT: 8.81 min Scan# 974
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	48.7	41.4	62.0	
101	6.3	7.1	10.7	
130	19.4	14.9	22.3	



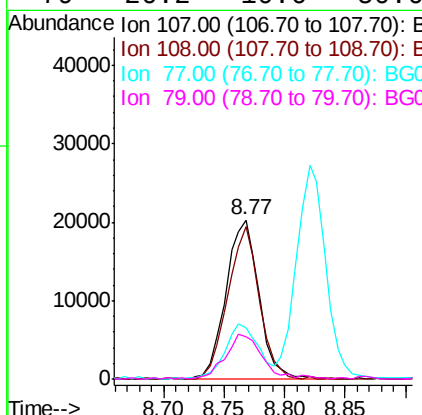
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

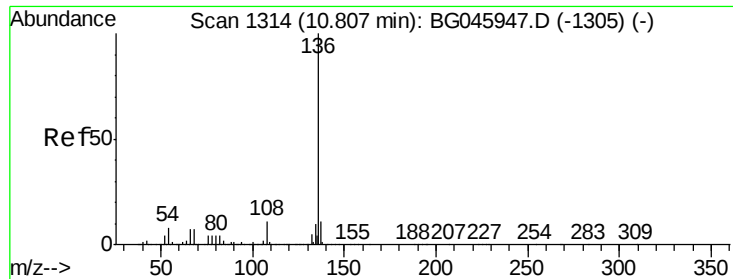
Manual Integrations
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#20
3+4-Methylphenols
Concen: 3.492 ng
RT: 8.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	95.5	68.7	108.7	
77	31.9	14.6	54.6	
79	26.2	10.6	50.6	





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.81 min Scan# 1314

Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

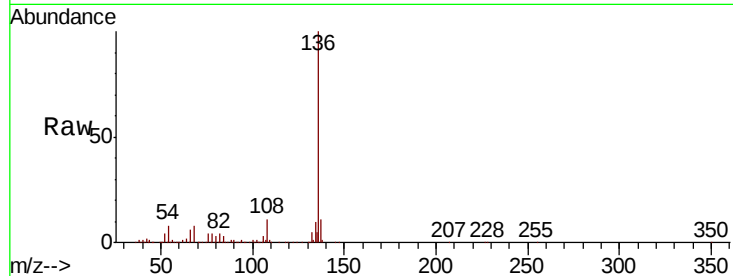
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		494412		
137	11.3	9.2	13.8		
54	8.2	6.2	9.4		
68	7.7	5.8	8.8		

Manual Integrations
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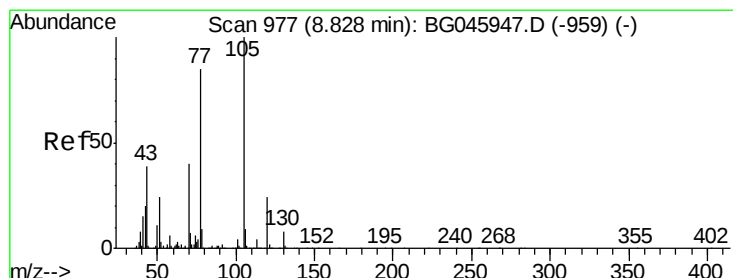
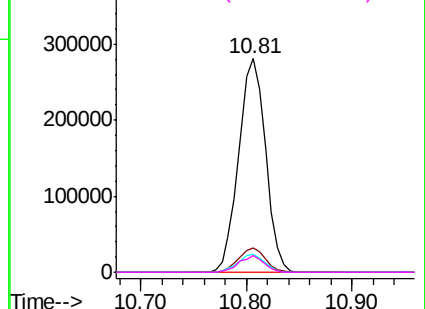
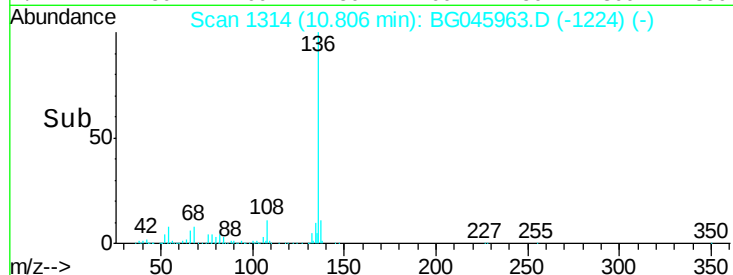
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 4.258 ng

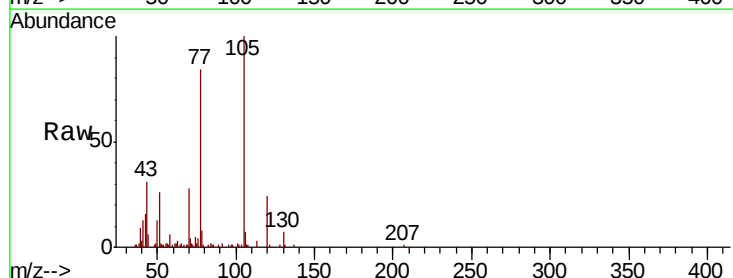
RT: 8.82 min Scan# 976

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		56244		
71	4.0	6.2	9.2#		
51	25.7	19.7	29.5		
120	24.0	19.2	28.8		



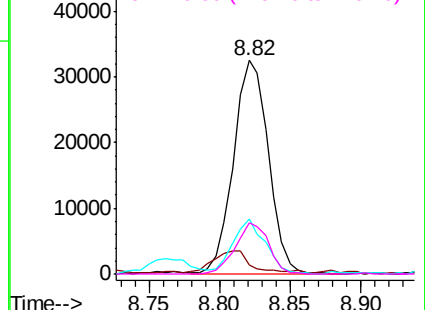
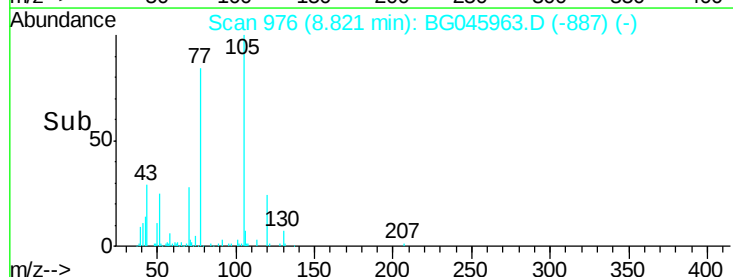
Abundance

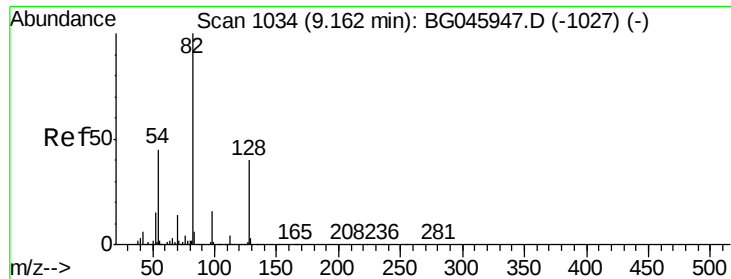
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E





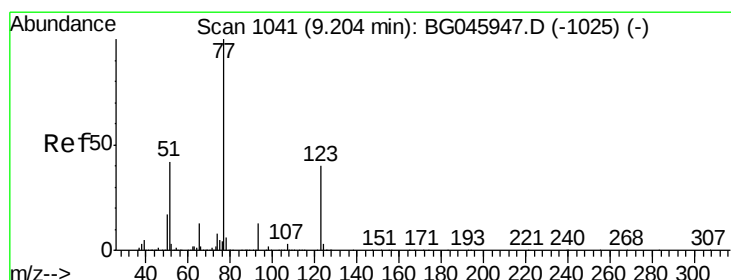
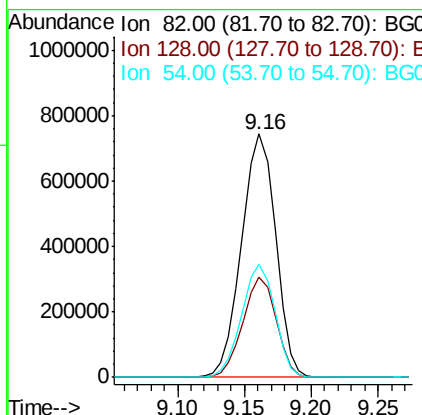
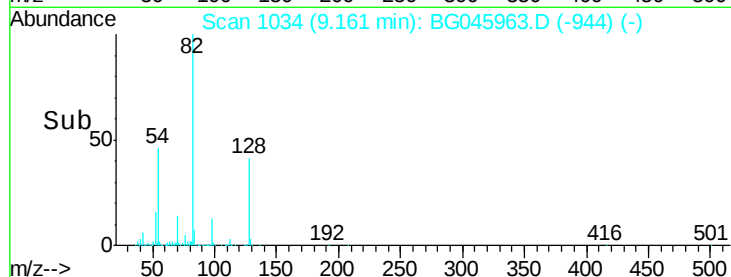
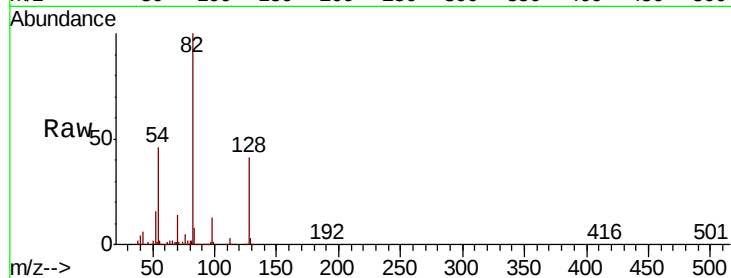
#23
 Nitrobenzene-d5
 Concen: 152.943 ng
 RT: 9.16 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

Instrument :
 BNA_G
 ClientSampleID :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.2	32.2	48.4
54	46.3	35.8	53.6

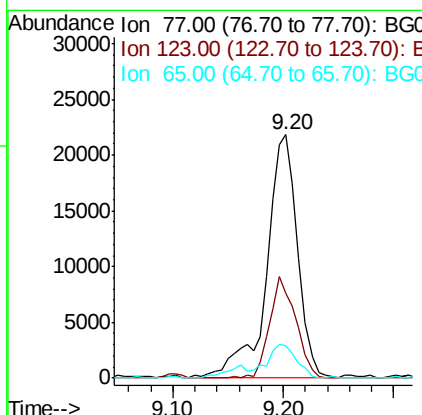
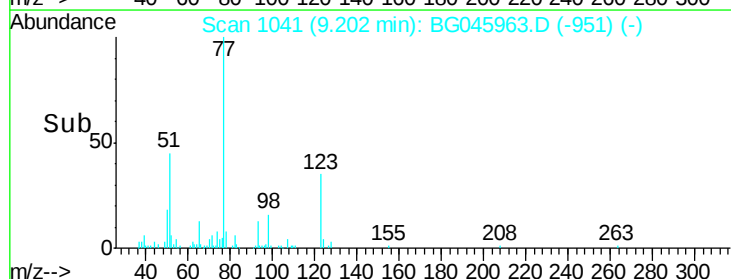
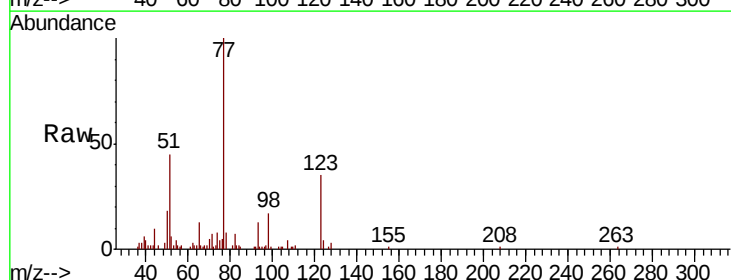
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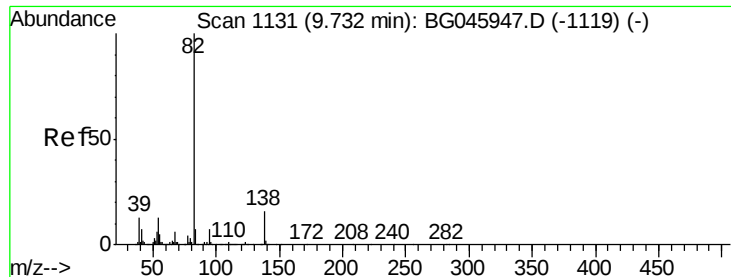
mohammad
 7/9/2020 10:55:24 AM



#24
 Nitrobenzene
 Concen: 4.539 ng
 RT: 9.20 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
77	100		
123	34.8	32.7	49.1
65	13.4	10.2	15.4





#25

Isophorone

Concen: 3.889 ng

RT: 9.73 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

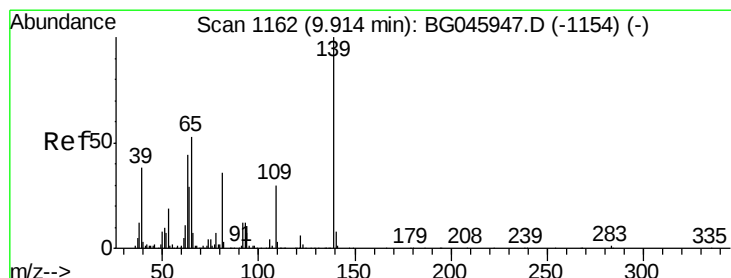
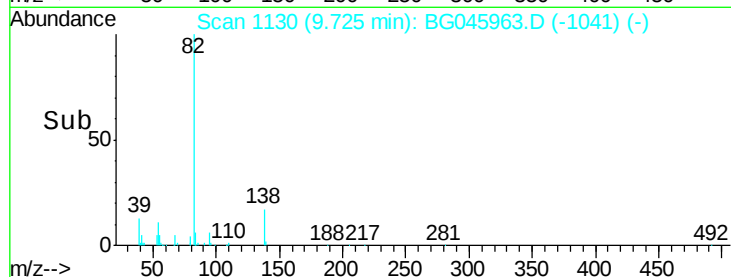
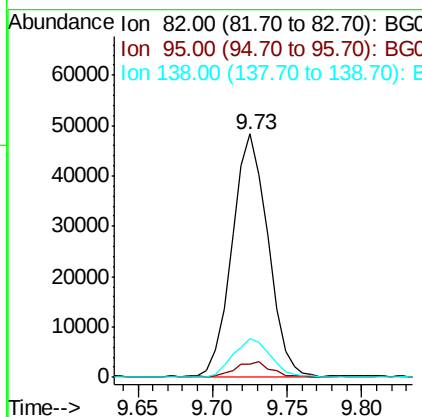
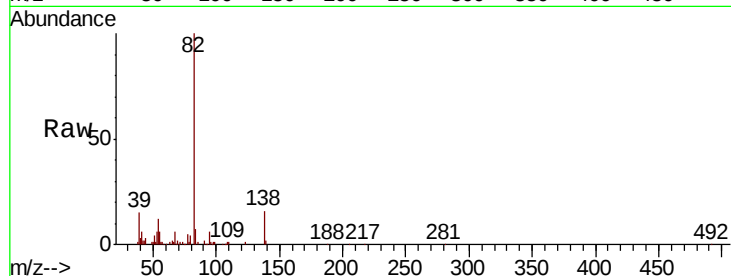
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	82	Resp:	81542
Ion Ratio	Lower	Upper	
82	100		
95	5.7	5.8	8.6#
138	16.1	12.9	19.3

Manual Integrations
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#26

2-Nitrophenol

Concen: 3.546 ng

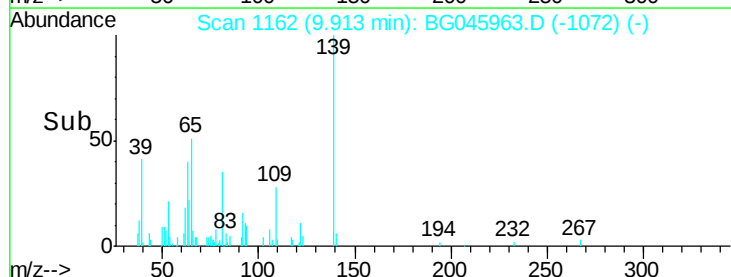
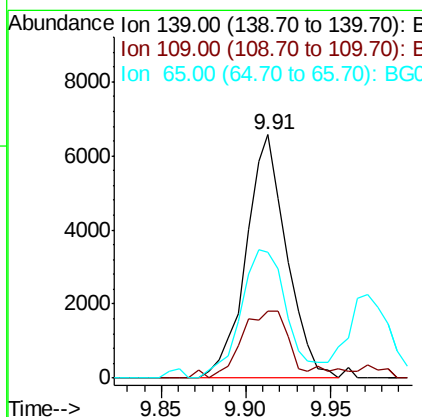
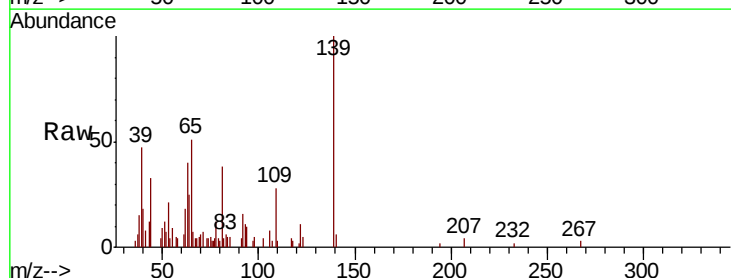
RT: 9.91 min Scan# 1162

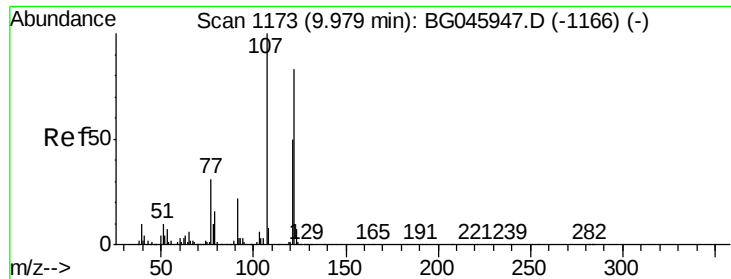
Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Tgt Ion:	139	Resp:	10959
Ion Ratio	Lower	Upper	
139	100		
109	27.6	24.6	37.0
65	51.5	42.6	64.0





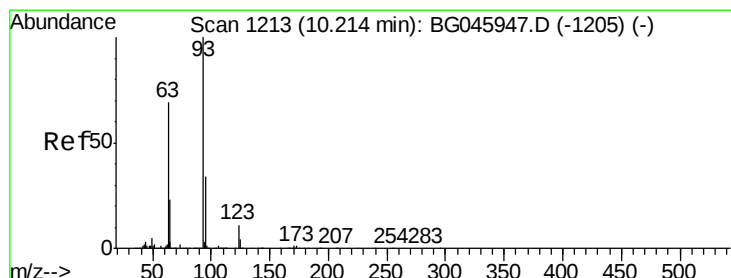
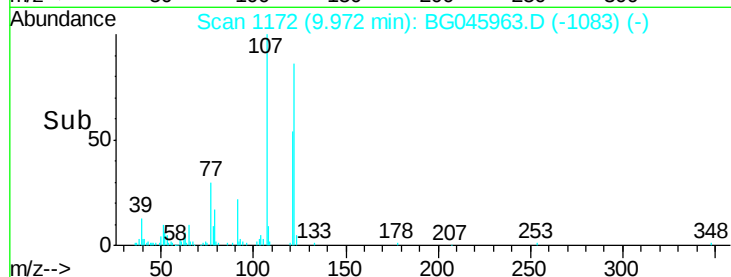
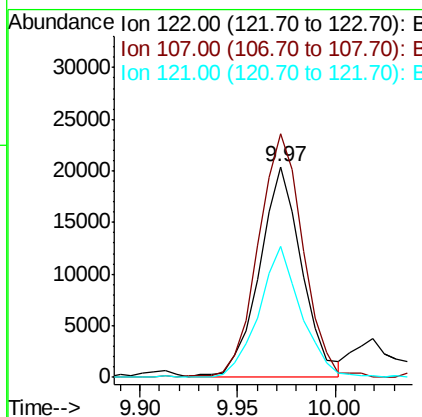
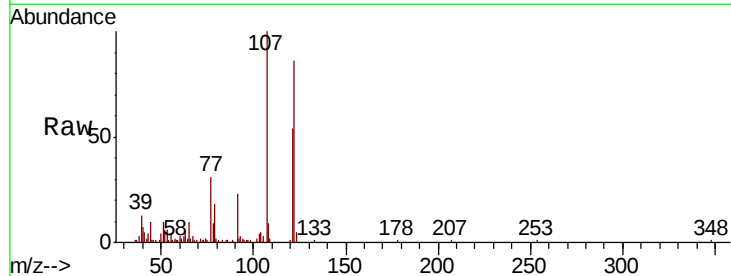
#27
2,4-Dimethylphenol
Concen: 4.111 ng
RT: 9.97 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
122	100		
107	115.7	95.6	143.4
121	62.2	47.7	71.5

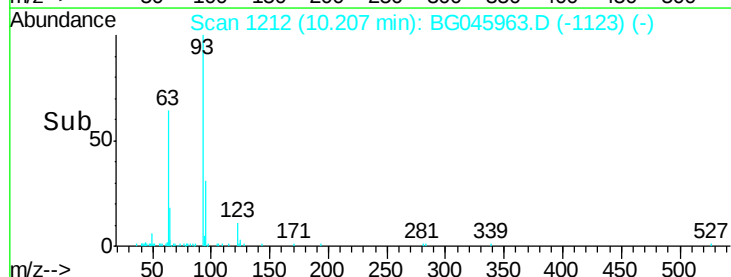
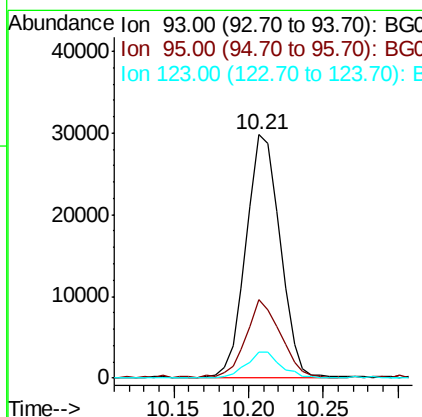
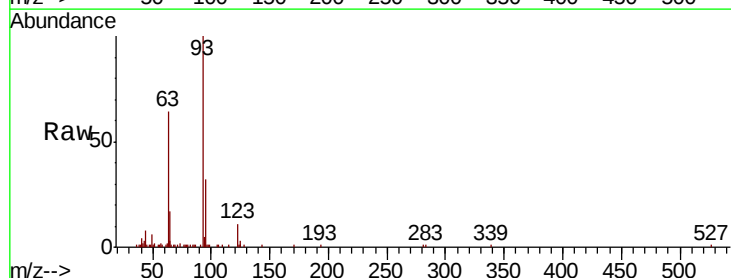
Manual Integrations
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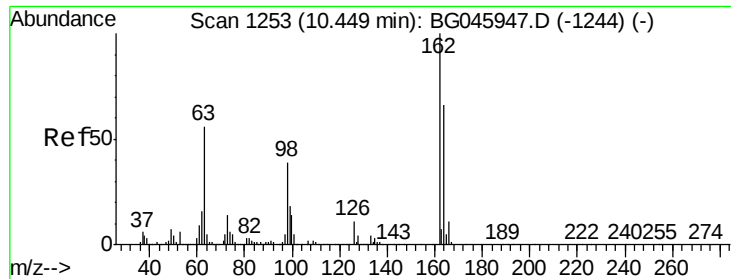
mohammad
7/9/2020 10:55:24 AM



#28
bis(2-Chloroethoxy)methane
Concen: 4.015 ng
RT: 10.21 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.0	27.5	41.3
123	10.5	9.2	13.8





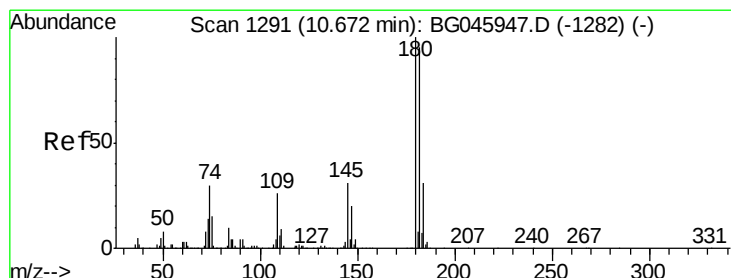
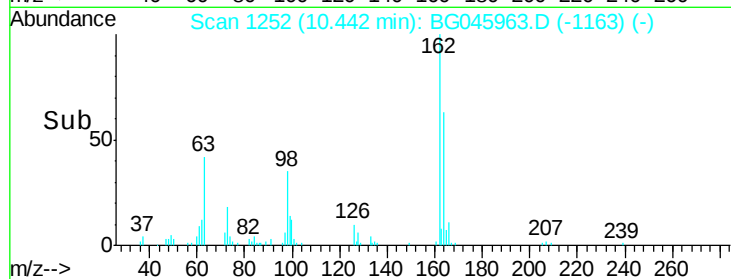
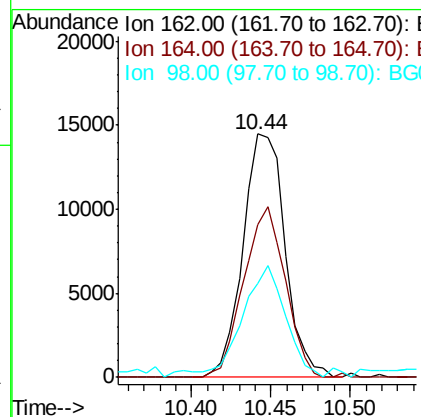
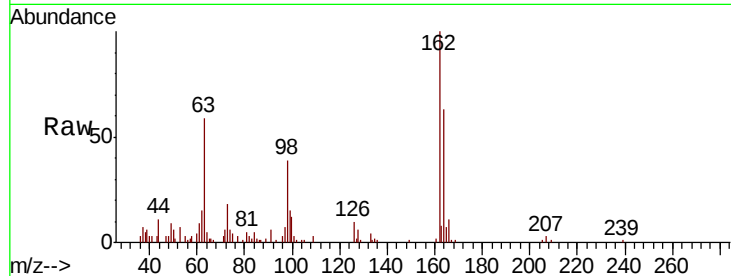
#29
 2,4-Dichlorophenol
 Concen: 3.459 ng
 RT: 10.44 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
162	100		
164	62.7	46.0	86.0
98	38.7	19.2	59.2

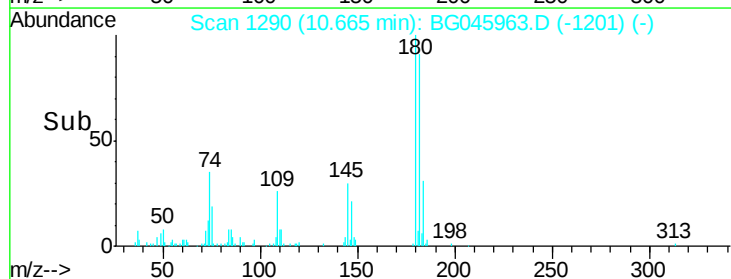
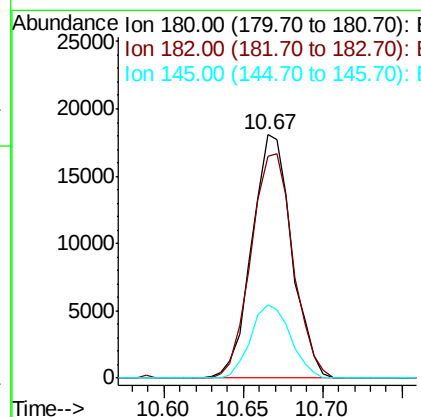
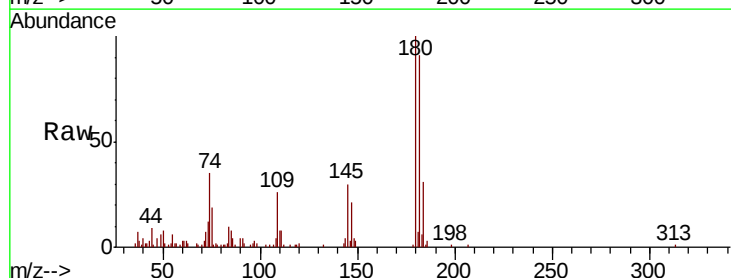
Manual Integrations
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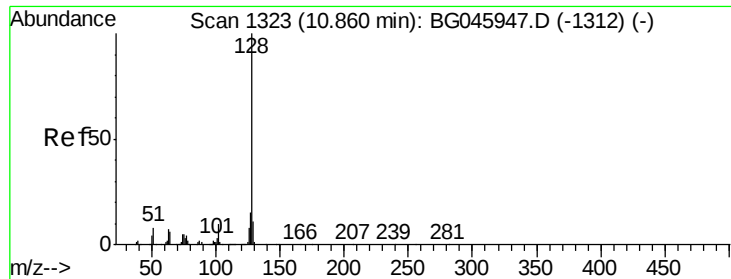
mohammad
 7/9/2020 10:55:24 AM



#30
 1,2,4-Trichlorobenzene
 Concen: 3.694 ng
 RT: 10.67 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.3	76.3	114.5
145	30.2	24.8	37.2





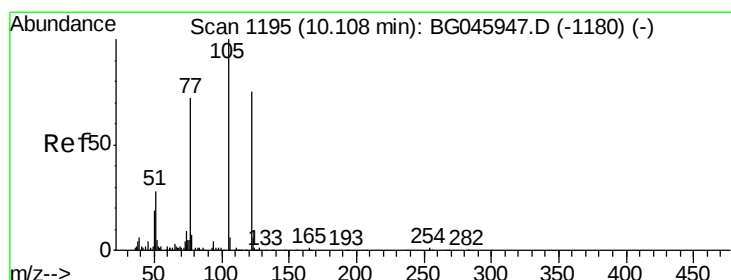
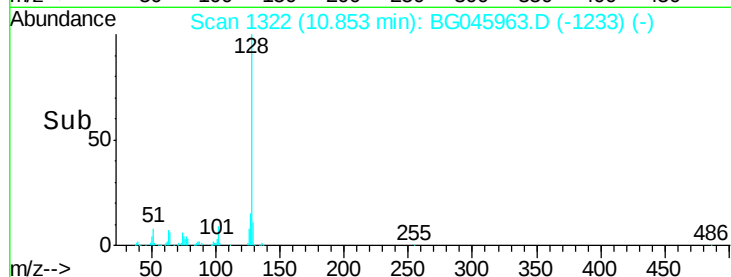
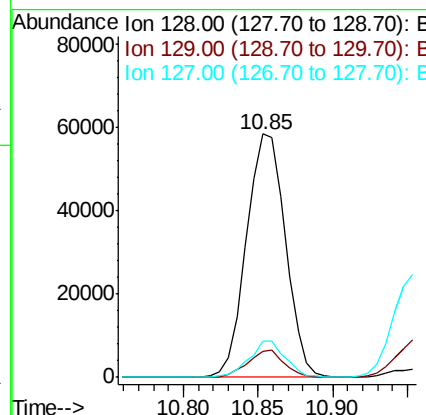
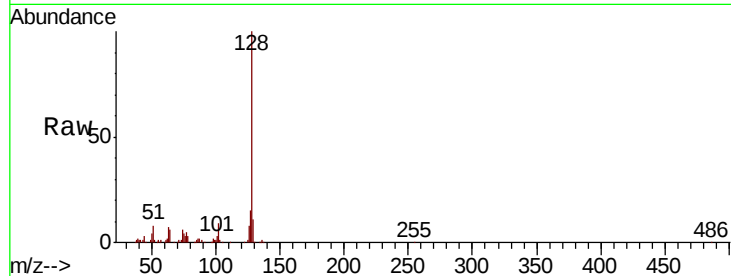
#31
Naphthalene
Concen: 3.966 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.2	13.8
127	15.1	11.8	17.6

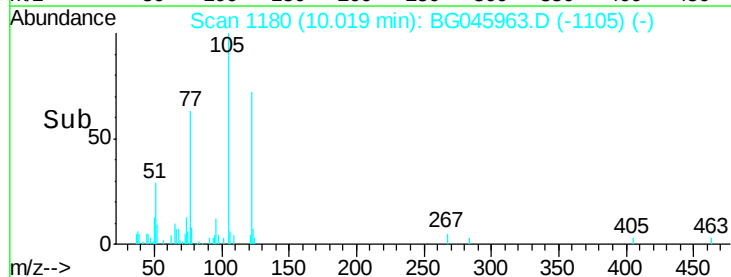
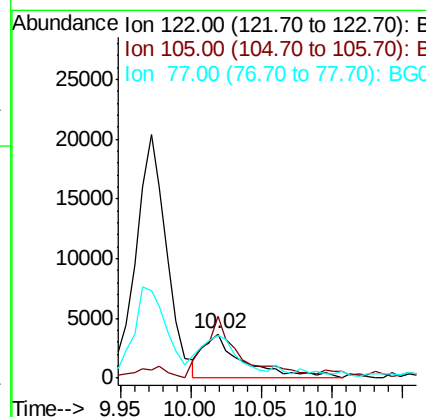
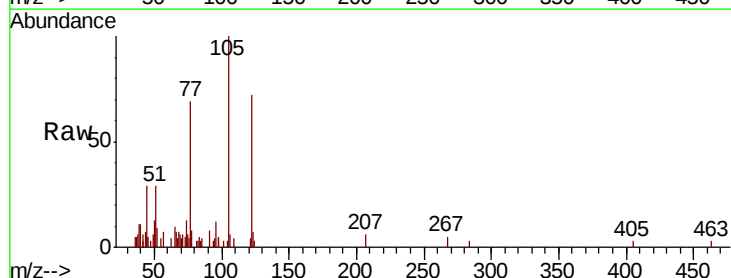
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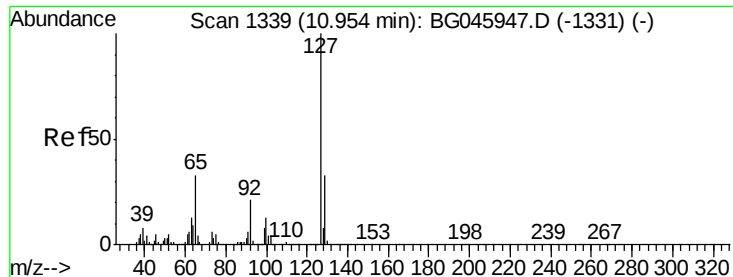
mohammad
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#32
Benzoic acid
Concen: 1.819 ng
RT: 10.02 min Scan# 1180
Delta R.T. -0.09 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
122	100		
105	139.4	110.8	150.8
77	96.6	76.4	116.4





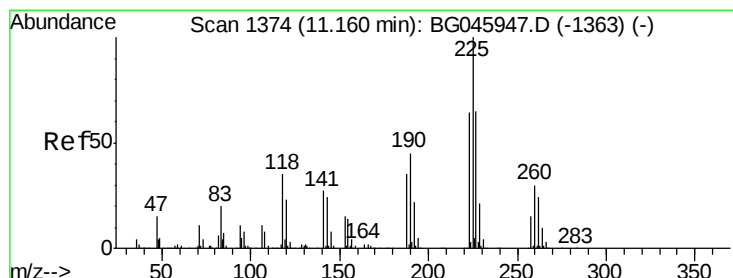
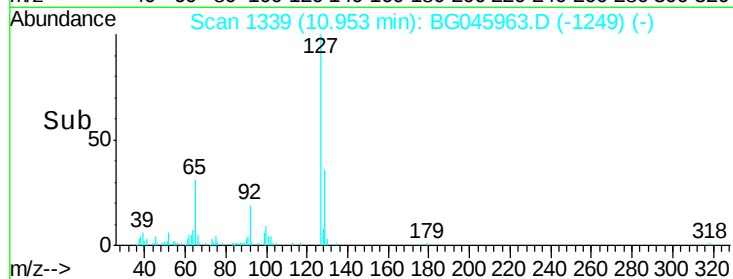
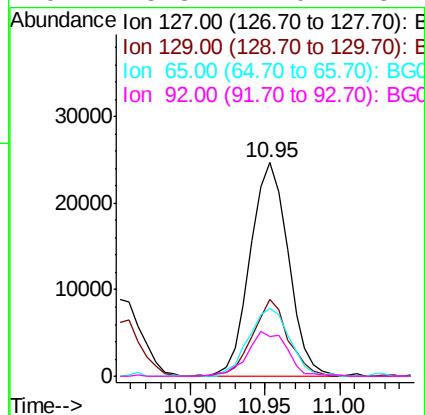
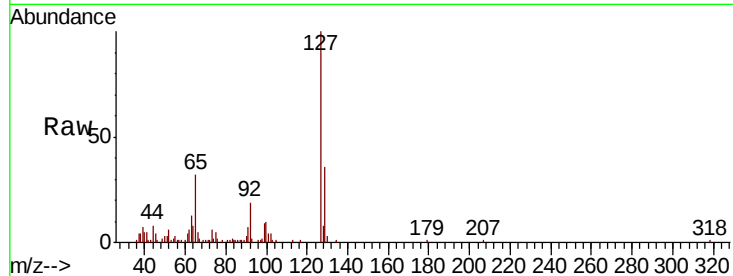
#33
4-Chloroaniline
Concen: 3.679 ng
RT: 10.95 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		43572		
129	36.1	26.6	39.8		
65	31.9	26.8	40.2		
92	18.8	17.0	25.4		

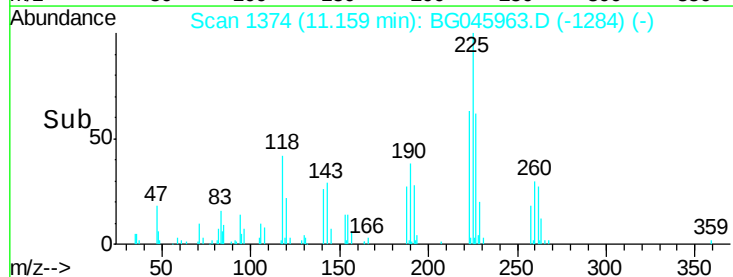
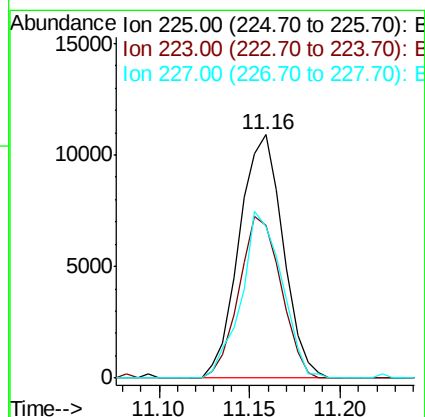
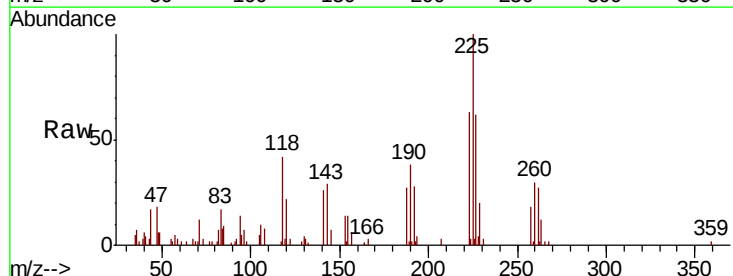
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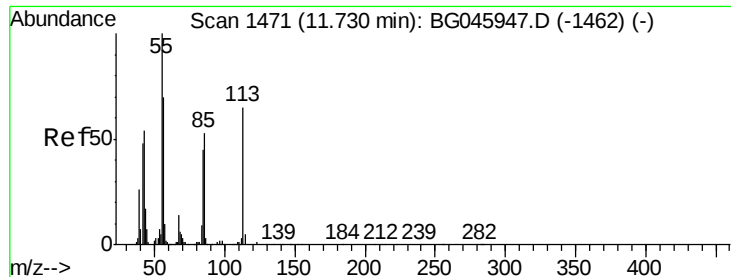
mohammad
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#34
Hexachlorobutadiene
Concen: 3.668 ng
RT: 11.16 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		18335		
223	62.8	51.2	76.8		
227	62.4	52.3	78.5		





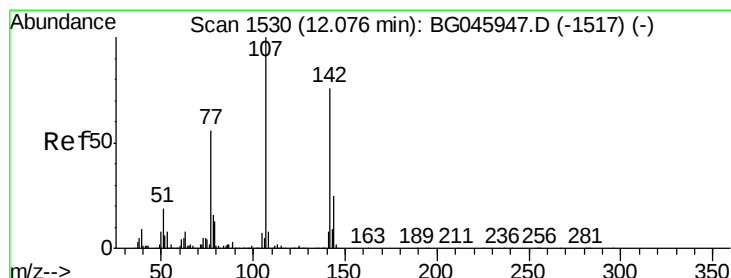
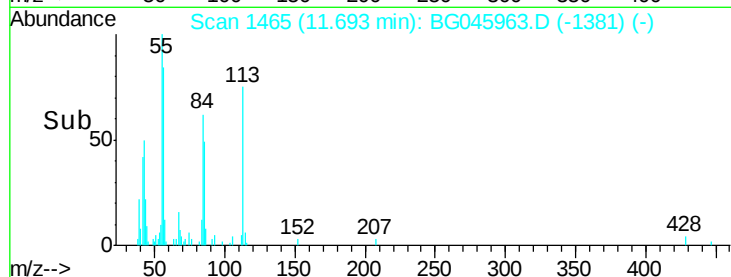
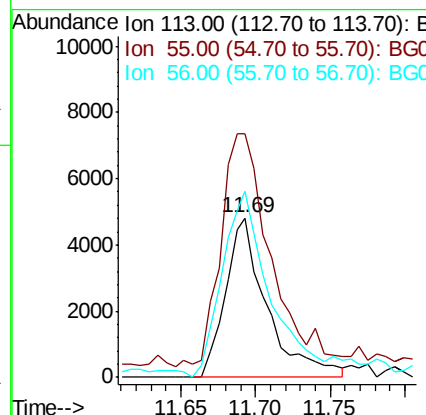
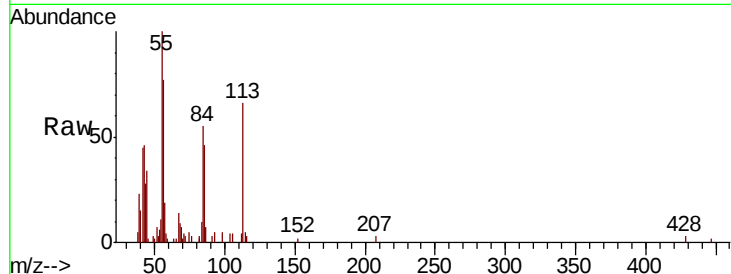
#35
Caprolactam
Concen: 3.182 ng
RT: 11.69 min Scan# 1465
Delta R.T. -0.04 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
113	100		
55	152.5	141.6	181.6
56	116.7	89.6	129.6

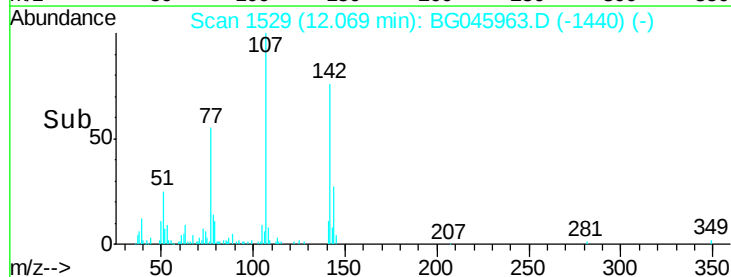
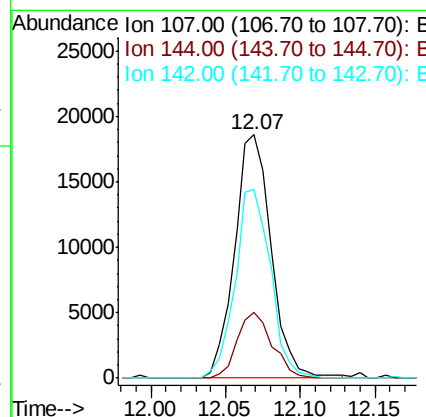
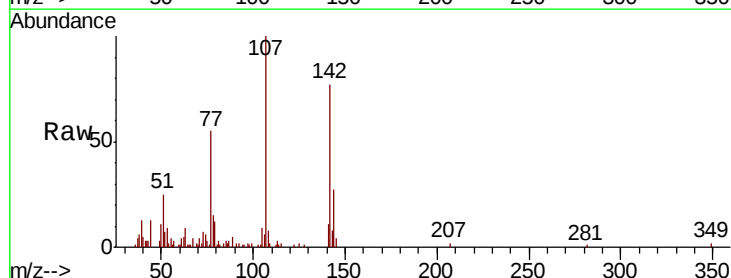
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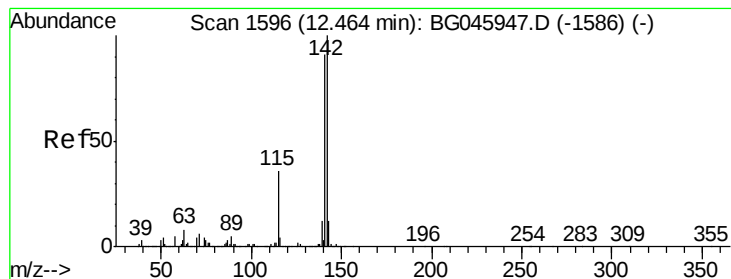
mohammad
7/9/2020 10:55:24 AM



#36
4-Chloro-3-methylphenol
Concen: 3.613 ng
RT: 12.07 min Scan# 1529
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.9	20.0	30.0
142	77.4	61.1	91.7





#37

2-Methylnaphthalene

Concen: 4.051 ng

RT: 12.46 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

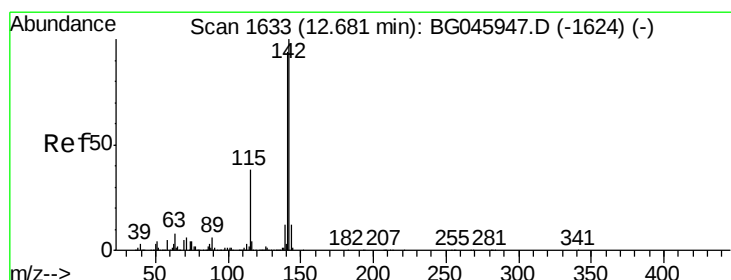
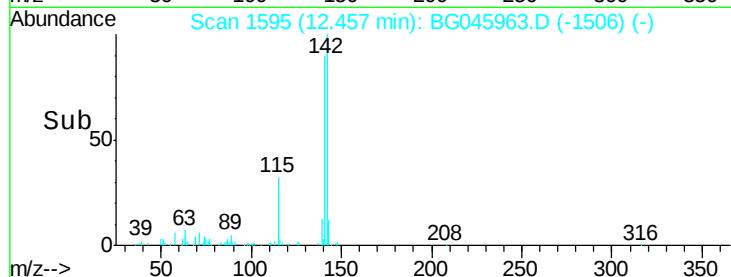
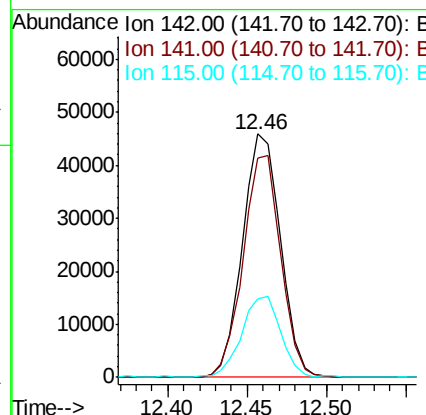
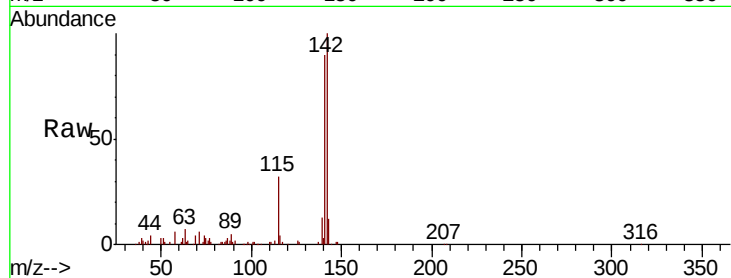
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	142	Resp:	76316
Ion Ratio	Lower	Upper	
142	100		
141	90.3	73.0	109.6
115	32.1	28.8	43.2

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#38

1-Methylnaphthalene

Concen: 4.041 ng m

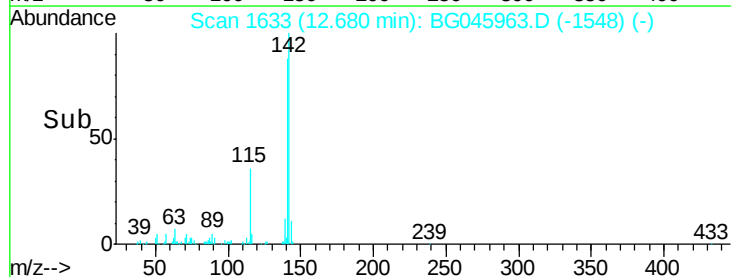
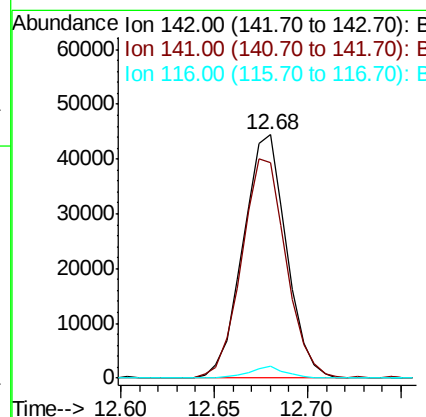
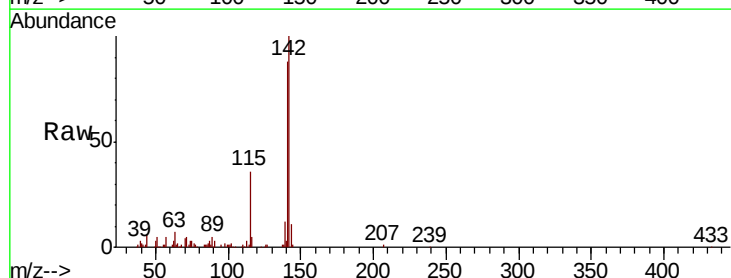
RT: 12.68 min Scan# 1633

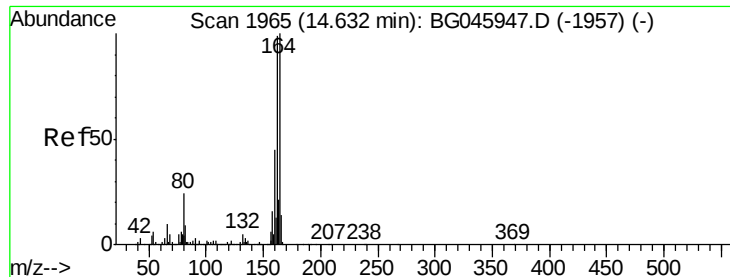
Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Tgt Ion:	142	Resp:	71860
Ion Ratio	Lower	Upper	
142	100		
141	88.3	75.2	112.8
116	4.9	3.1	4.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

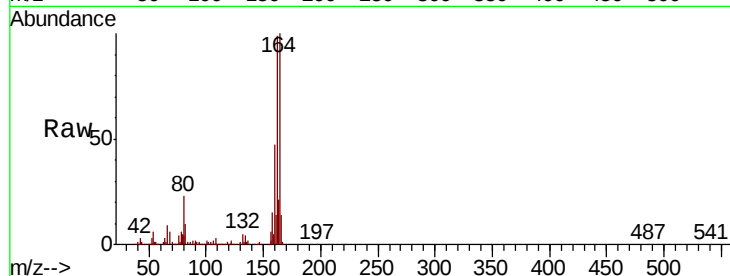
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	164	Resp:	295673
Ion Ratio	Lower	Upper	
164	100		
162	99.1	79.3	118.9
160	46.5	35.7	53.5

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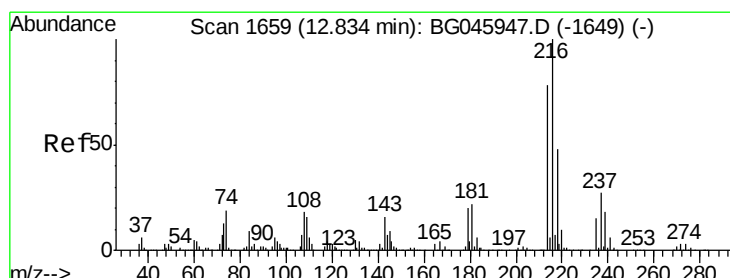
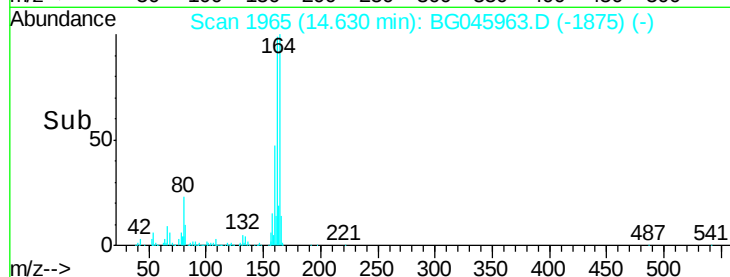
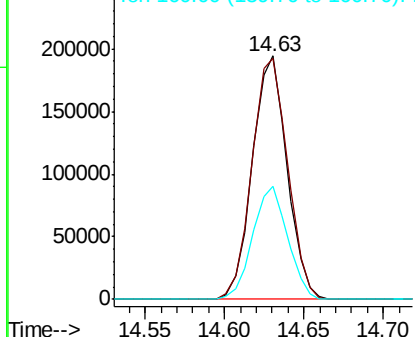


Abundance

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: 4.323 ng

RT: 12.83 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Tgt Ion:	216	Resp:	36029
Ion Ratio	Lower	Upper	
216	100		
214	77.7	63.0	94.4
179	22.3	17.0	25.6
108	21.6	17.3	25.9

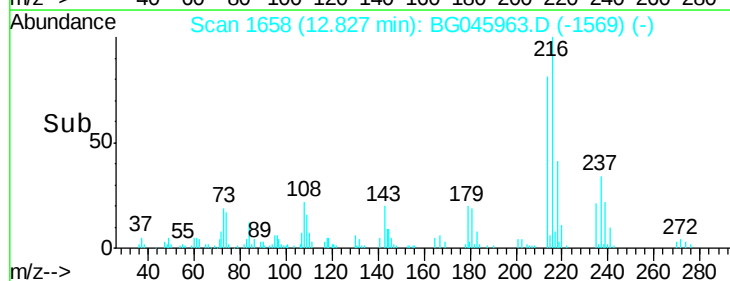
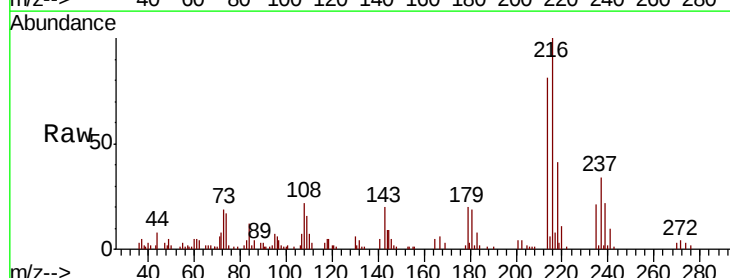
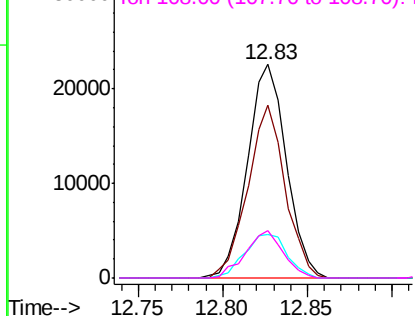
Abundance

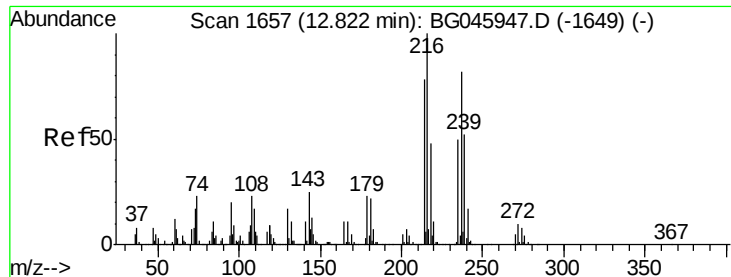
Ion 216.00 (215.70 to 216.70): E

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: 3.738 ng

RT: 12.82 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

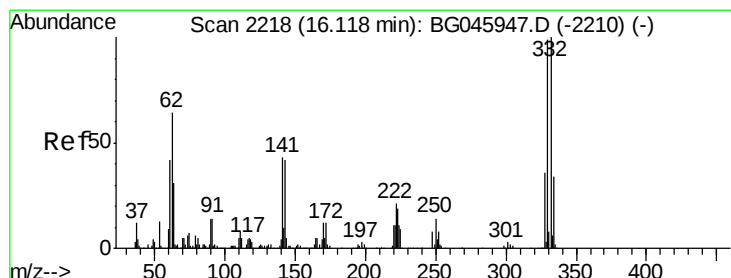
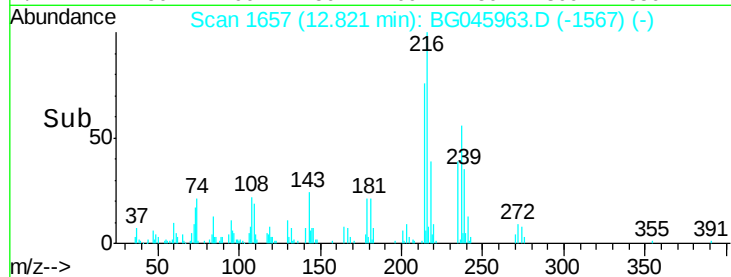
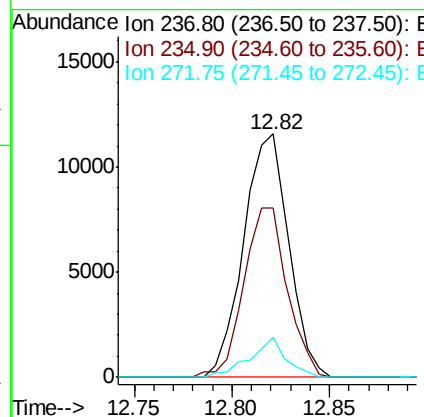
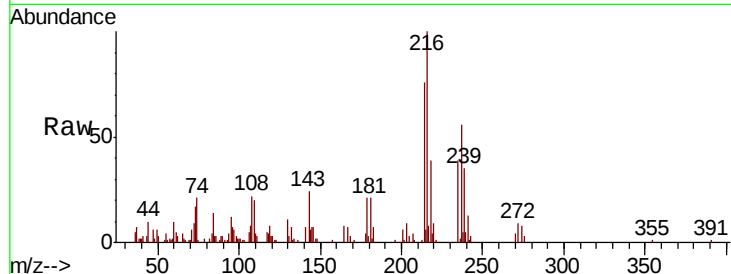
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	237	Resp:	18486
Ion Ratio	Lower	Upper	
237	100		
235	69.5	41.5	81.5
272	16.3	0.0	31.7

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#42

2,4,6-Tribromophenol

Concen: 164.923 ng

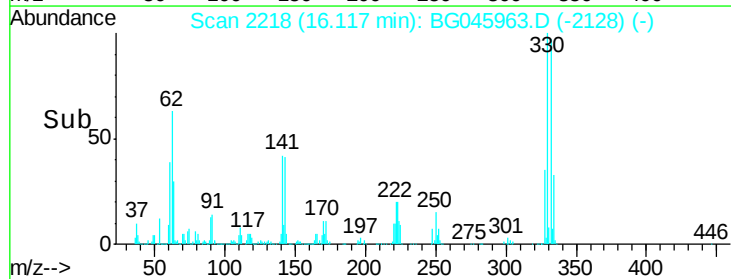
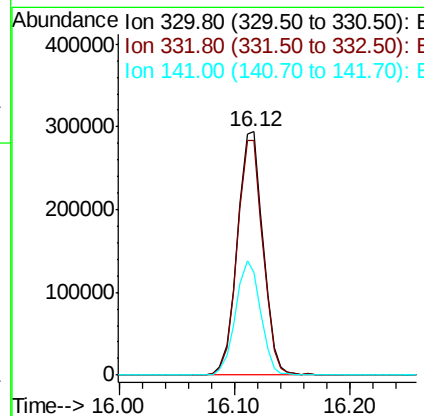
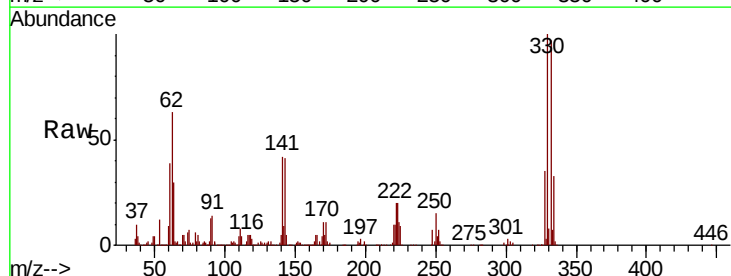
RT: 16.12 min Scan# 2218

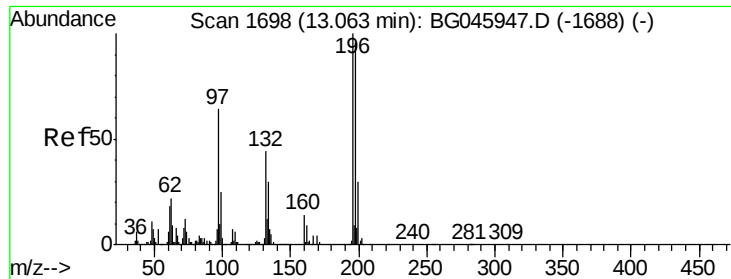
Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Tgt Ion:	330	Resp:	452574
Ion Ratio	Lower	Upper	
330	100		
332	96.8	78.3	117.5
141	46.0	36.6	54.8





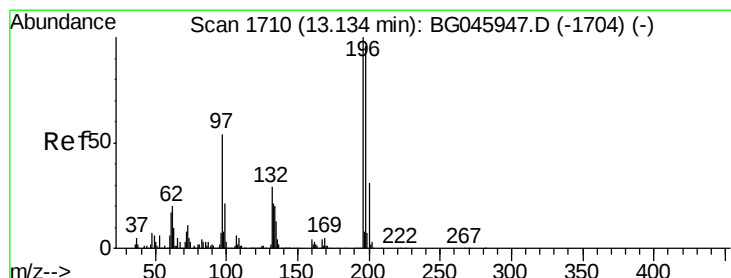
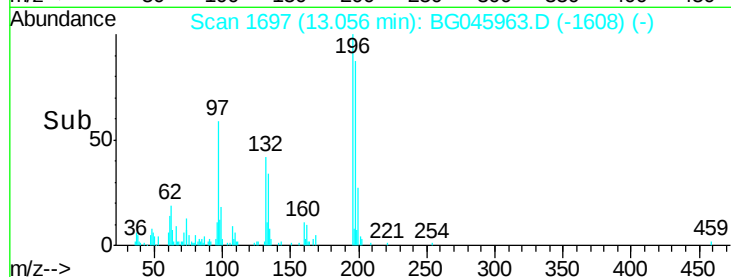
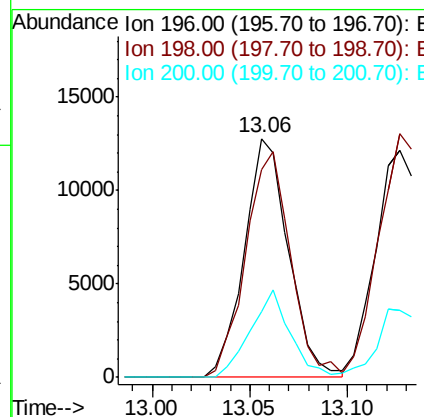
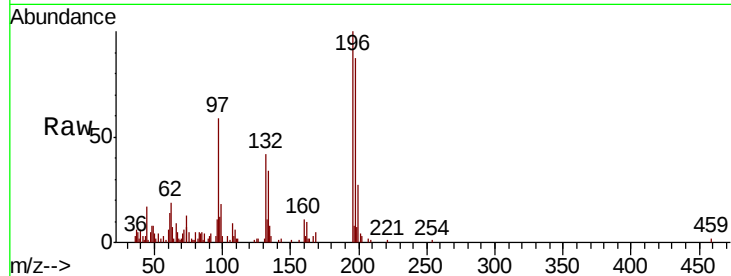
#43
2,4,6-Trichlorophenol
Concen: 3.565 ng
RT: 13.06 min Scan# 1697
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
196	100	20093		
198	87.1		76.7	115.1
200	27.3		24.3	36.5

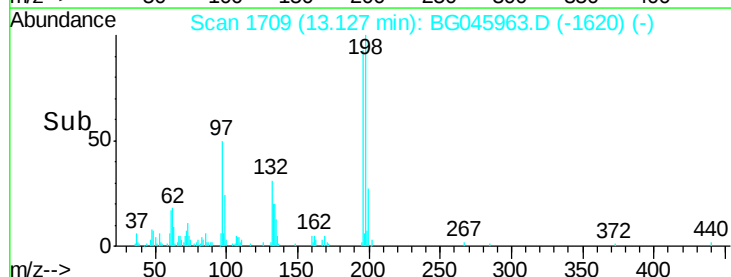
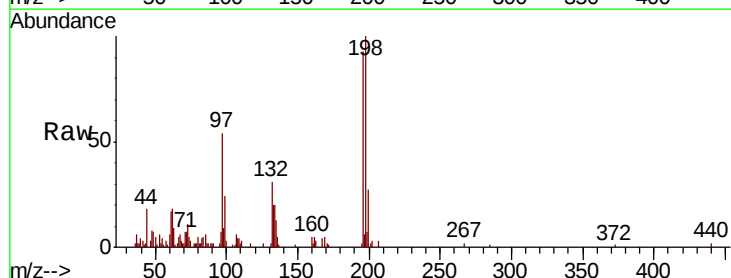
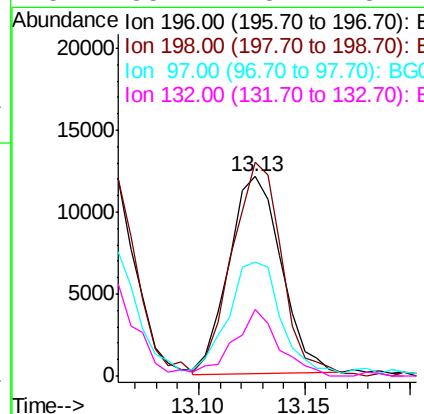
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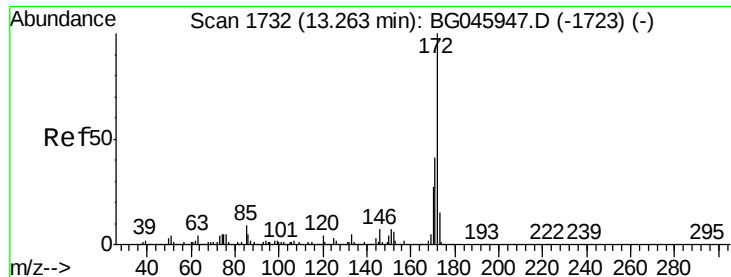
mohammad
7/9/2020 10:55:24 AM



#44
2,4,5-Trichlorophenol
Concen: 3.260 ng
RT: 13.13 min Scan# 1709
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	20777		
198	107.0		77.0	115.6
97	57.3		44.3	66.5
132	33.1		23.1	34.7





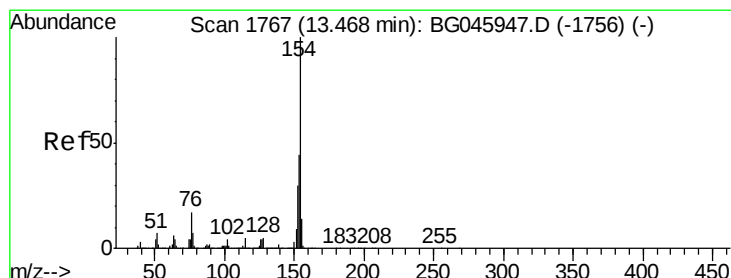
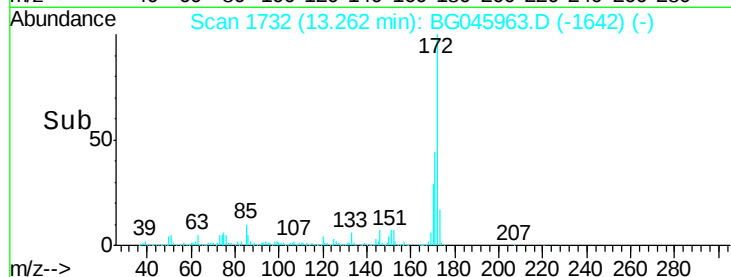
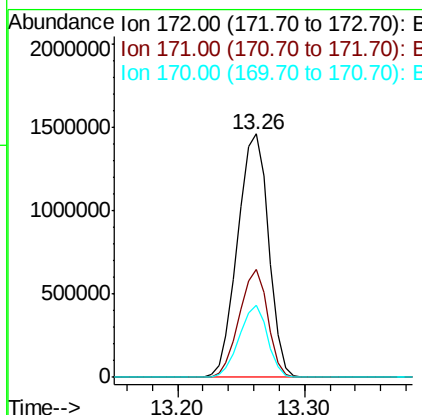
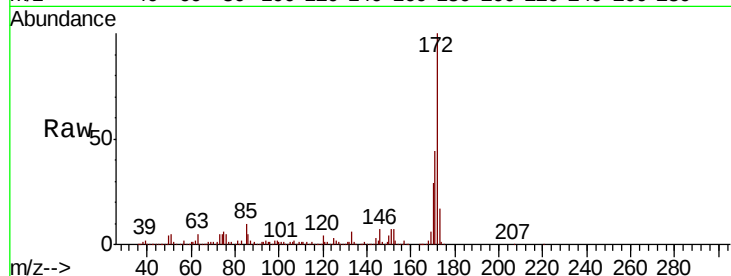
#45
2-Fluorobiphenyl
Concen: 130.531 ng
RT: 13.26 min Scan# 1732
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
172	100		
171	44.1	32.9	49.3
170	29.5	21.8	32.6

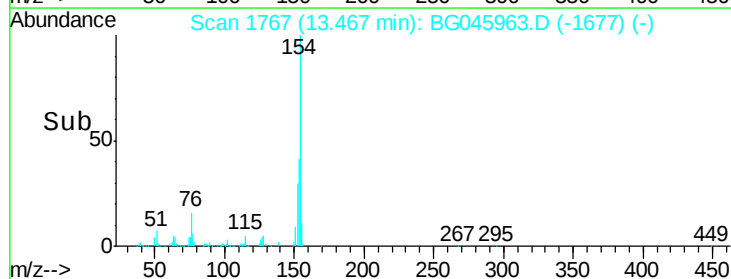
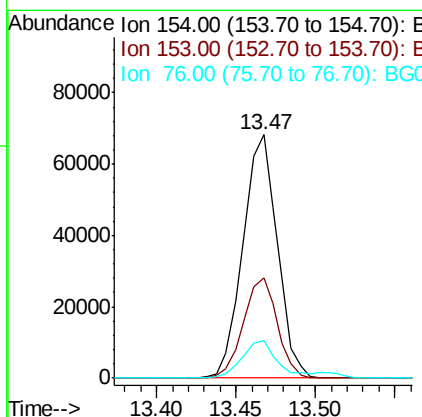
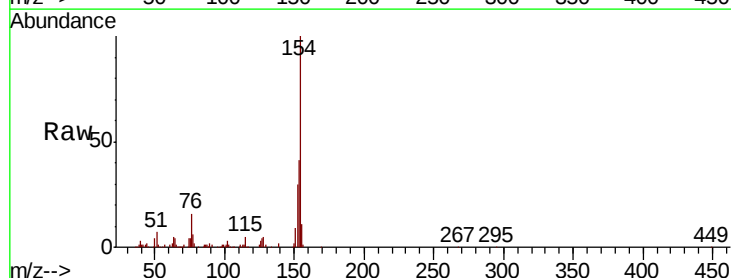
Manual Integrations
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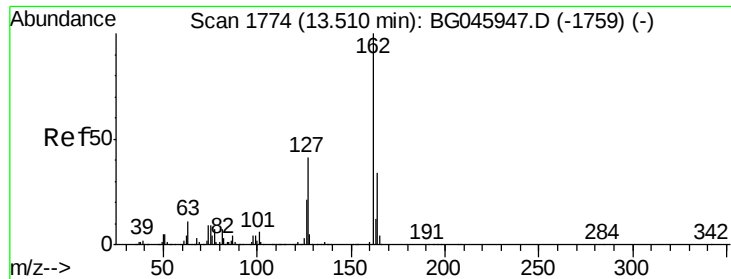
mohammad
7/9/2020 10:55:24 AM



#46
1,1'-Biphenyl
Concen: 4.612 ng
RT: 13.47 min Scan# 1767
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.1	23.6	63.6
76	15.5	0.0	36.9





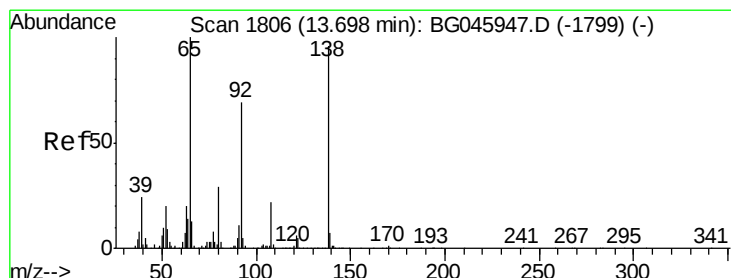
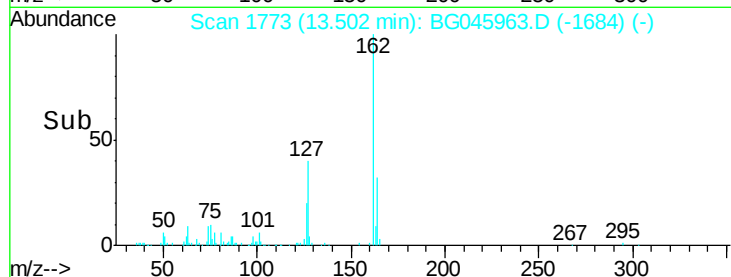
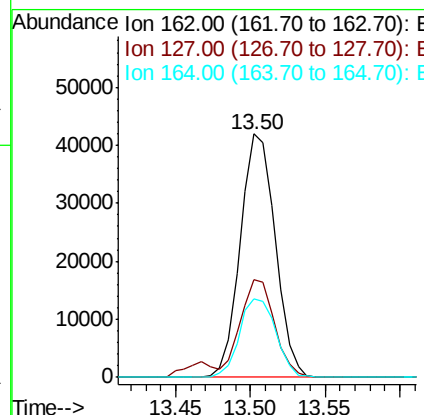
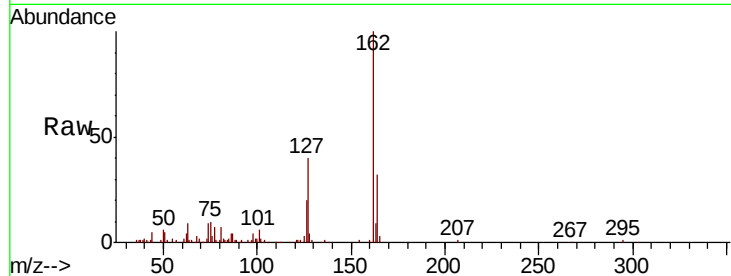
#47
2-Chloronaphthalene
Concen: 3.890 ng
RT: 13.50 min Scan# 1773
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
162	100		
127	40.0	32.5	48.7
164	32.5	27.2	40.8

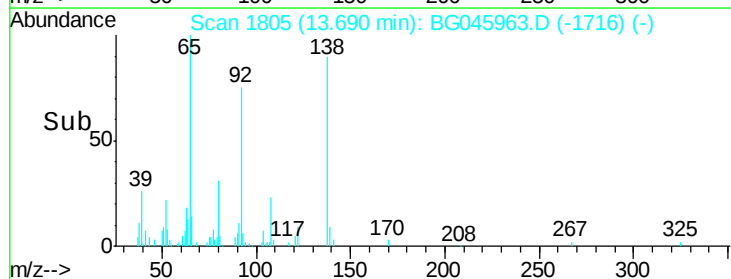
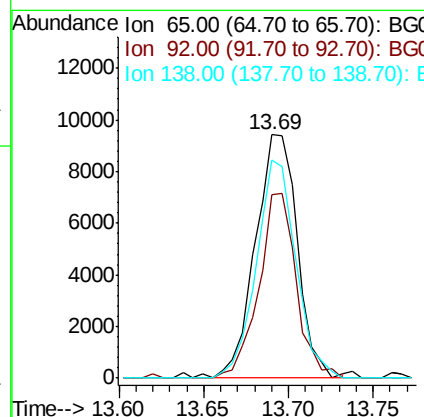
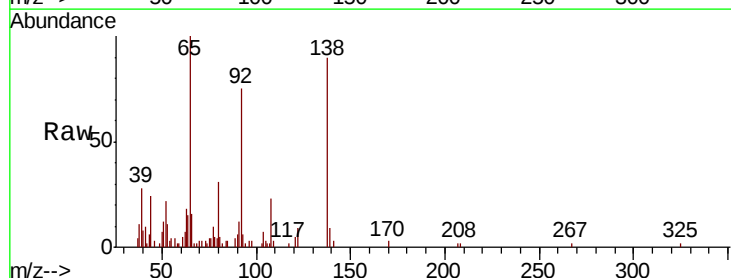
Manual Integrations
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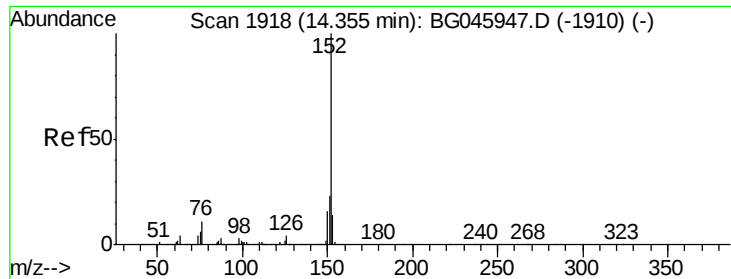
mohammad
7/9/2020 10:55:24 AM



#48
2-Nitroaniline
Concen: 3.954 ng
RT: 13.69 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
65	100		
92	75.4	55.4	83.0
138	89.7	77.0	115.4





#49

Acenaphthylene

Concen: 4.176 ng

RT: 14.35 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

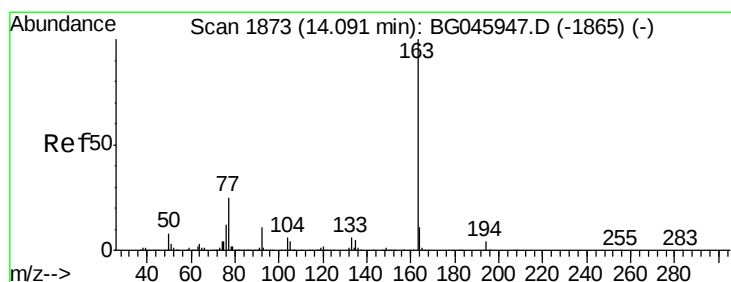
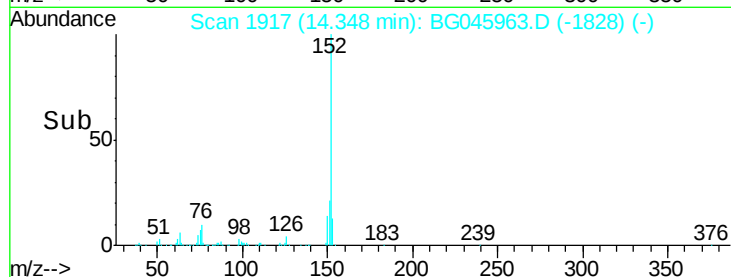
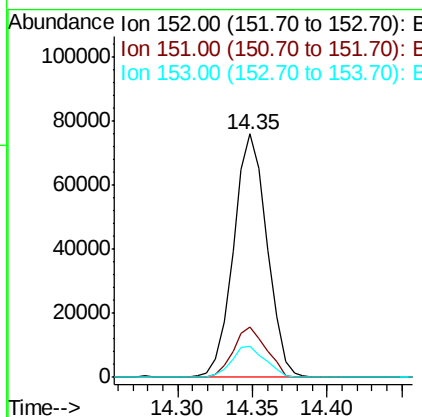
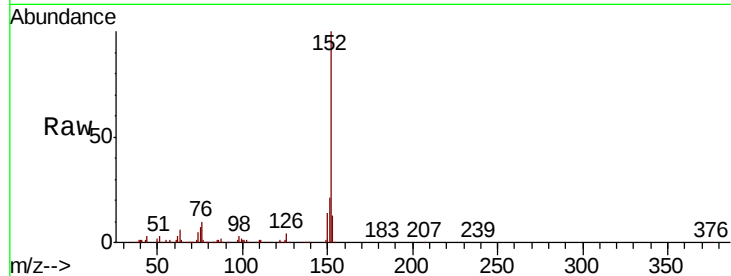
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	152	Resp:	118254
Ion Ratio	Lower	Upper	
152	100		
151	20.8	18.1	27.1
153	12.8	11.5	17.3

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#50

Dimethylphthalate

Concen: 3.943 ng

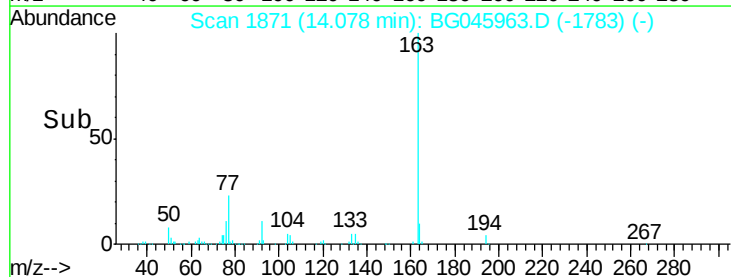
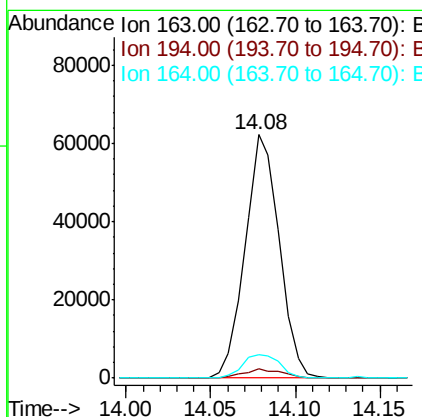
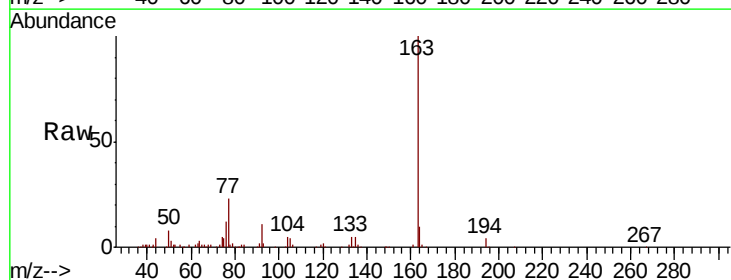
RT: 14.08 min Scan# 1871

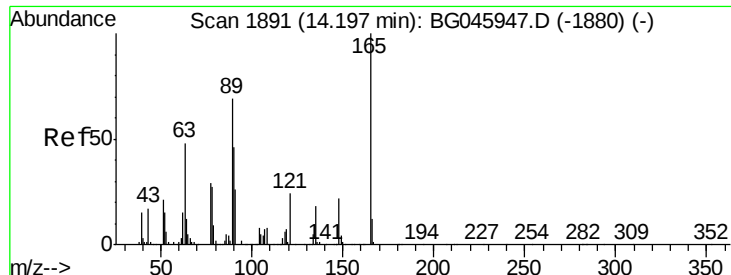
Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Tgt Ion:	163	Resp:	87501
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.6	5.4
164	9.9	8.9	13.3





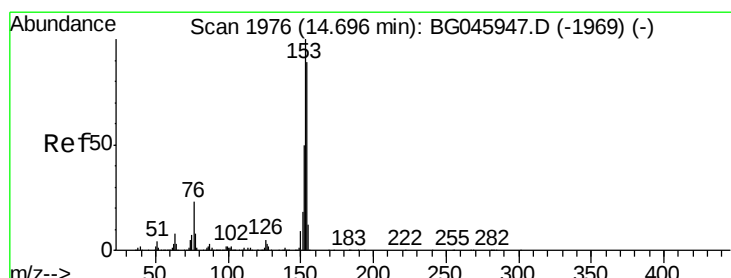
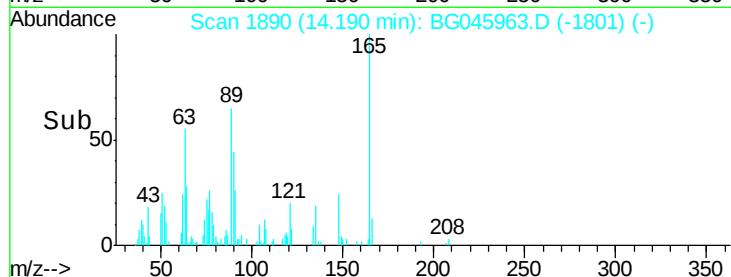
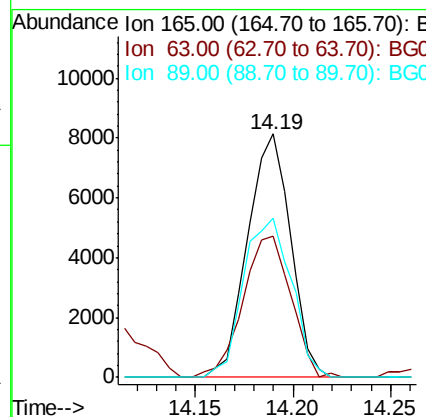
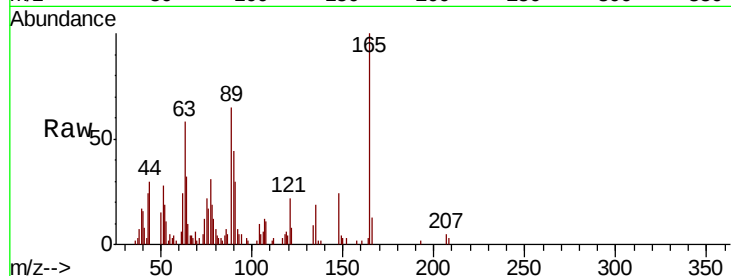
#51
2,6-Dinitrotoluene
Concen: 3.595 ng
RT: 14.19 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
165	100		
63	58.0	51.0	76.4
89	65.3	55.7	83.5

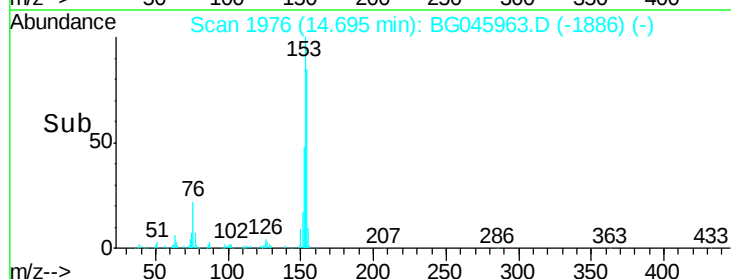
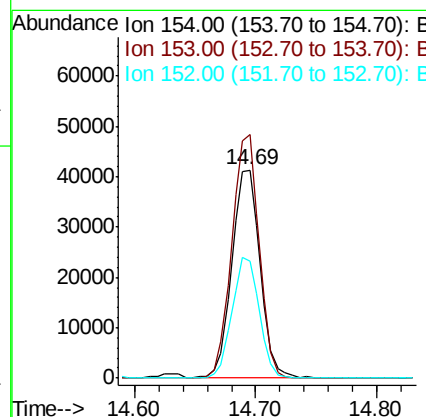
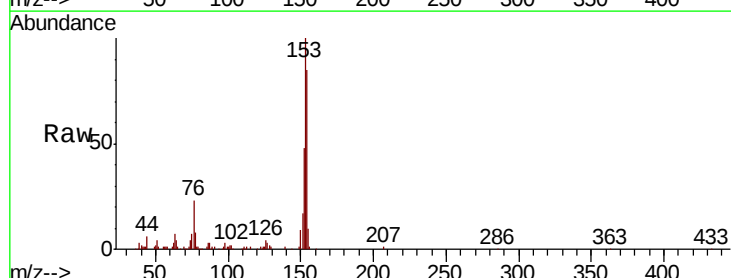
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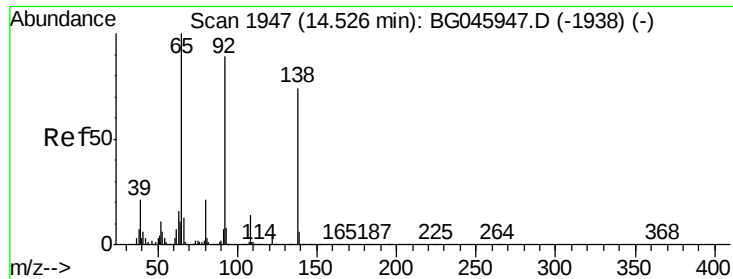
mohammad
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#52
Acenaphthene
Concen: 3.764 ng
RT: 14.69 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.0	89.7	134.5
152	56.2	44.7	67.1





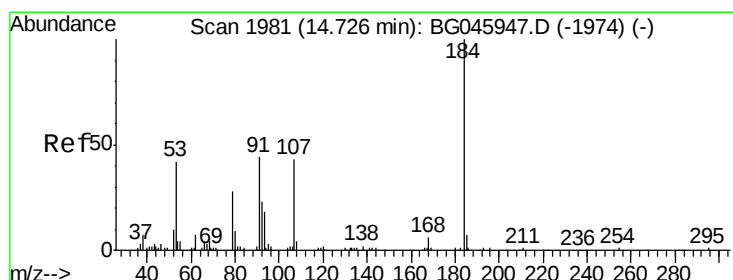
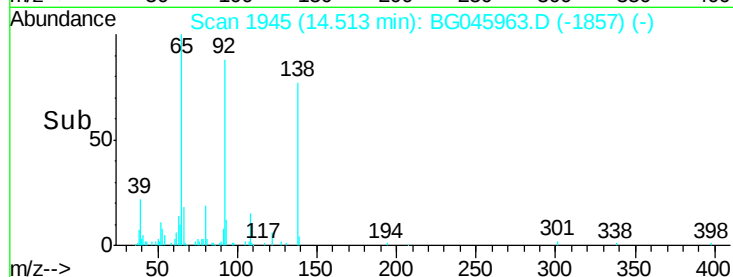
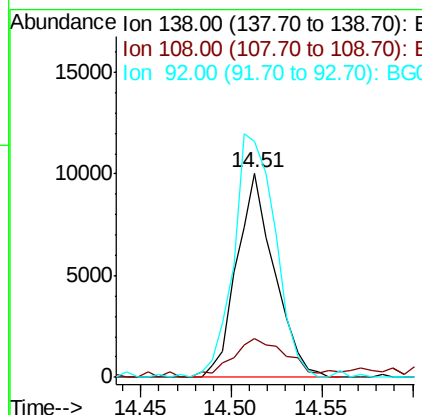
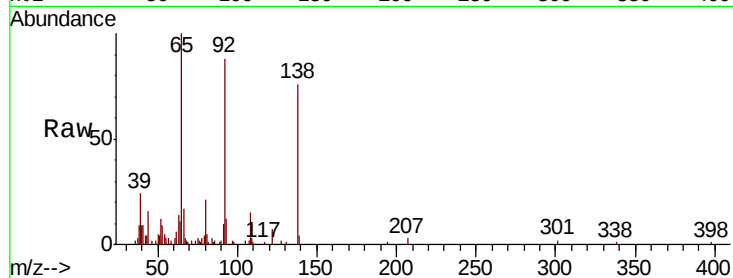
#53
3-Nitroaniline
Concen: 3.393 ng
RT: 14.51 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
138	100		
108	19.1	15.4	23.2
92	115.5	95.9	143.9

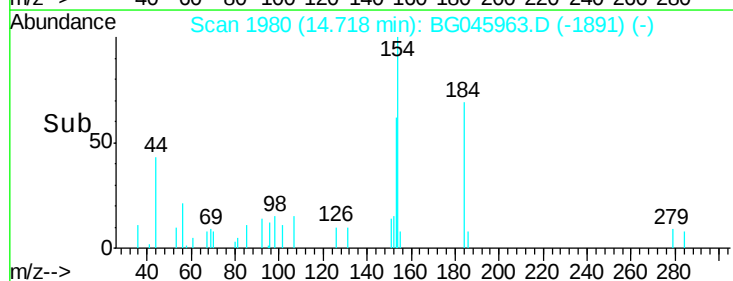
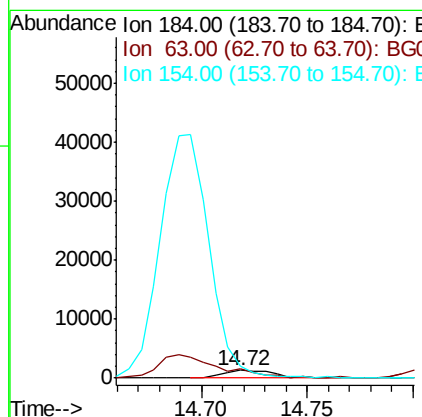
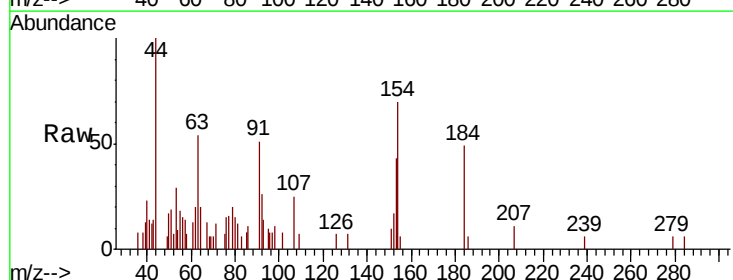
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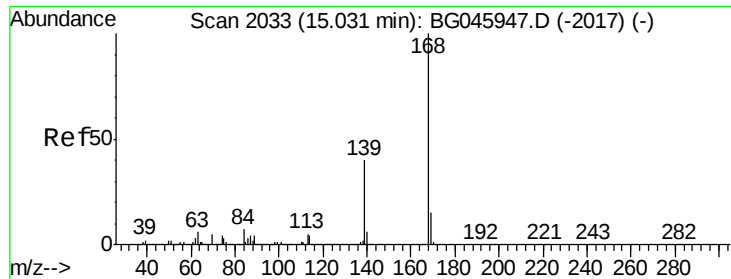
mohammad
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#54
2,4-Dinitrophenol
Concen: 1.863 ng
RT: 14.72 min Scan# 1980
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
184	100		
63	111.6	46.0	69.0#
154	143.9	58.2	87.2#





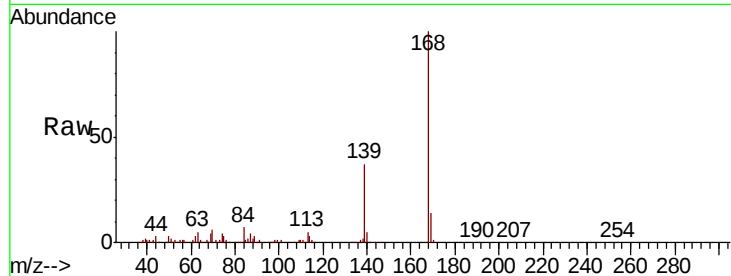
#55
Dibenzofuran
Concen: 4.189 ng
RT: 15.02 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.6	32.2	48.2
169	14.5	11.8	17.8

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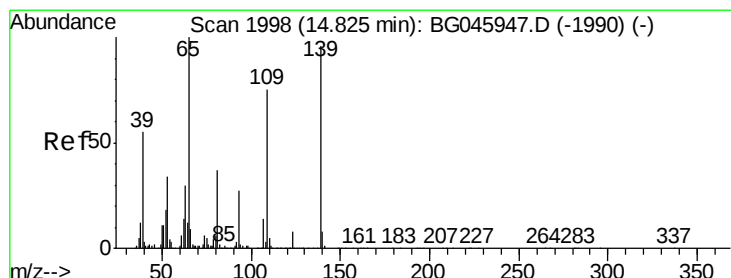
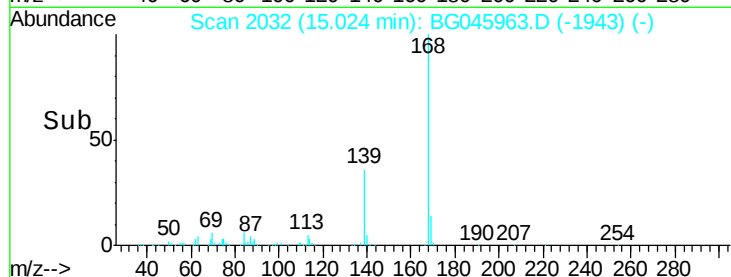
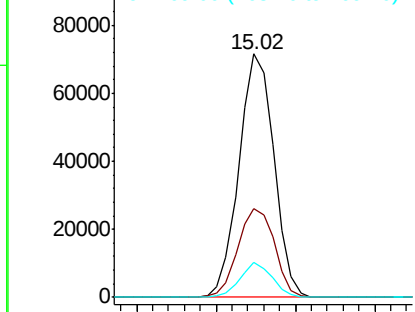


Abundance

Ion 168.00 (167.70 to 168.70): E

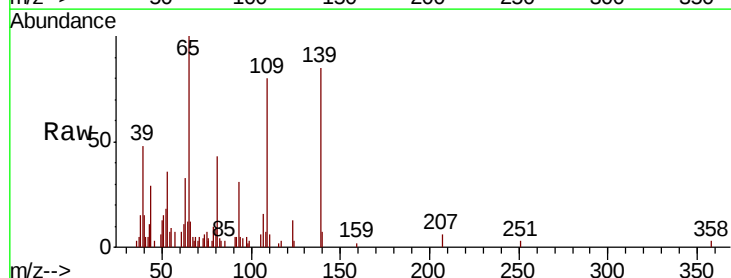
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 2.989 ng
RT: 14.81 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
139	100		
109	94.7	58.5	98.5
65	118.1	84.7	124.7

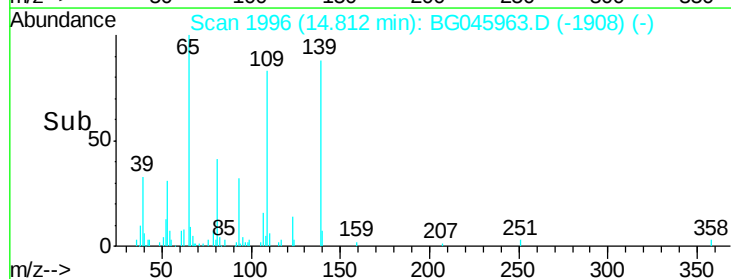
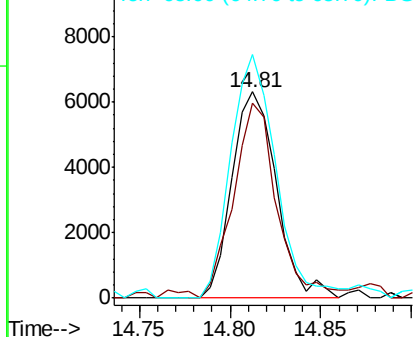


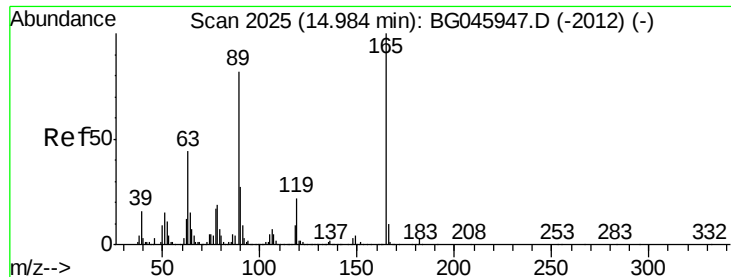
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGO





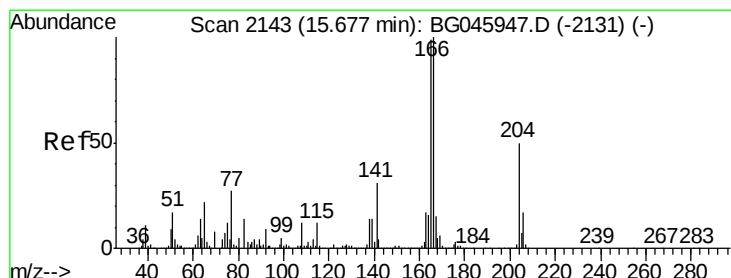
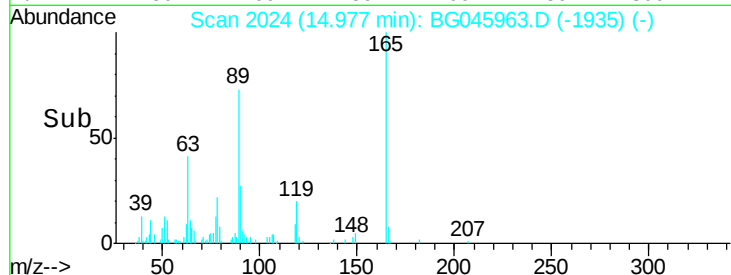
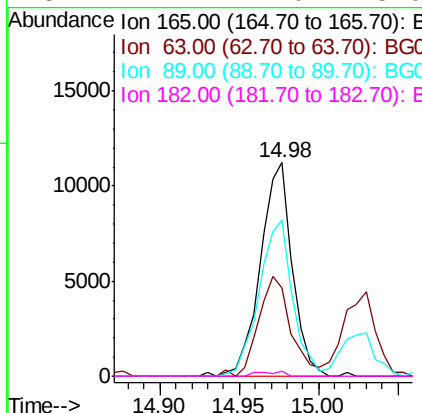
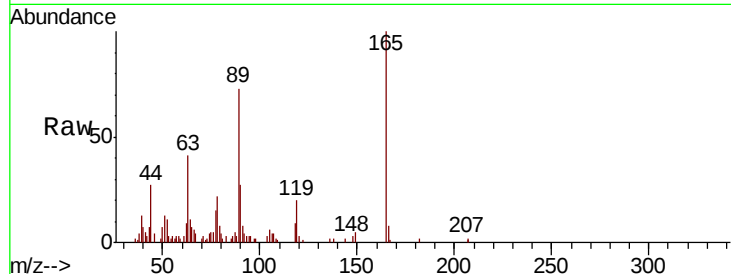
#57
 2,4-Dinitrotoluene
 Concen: 3.705 ng
 RT: 14.98 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
165	100		
63	41.3	35.4	53.0
89	73.2	65.4	98.2
182	2.4	2.0	3.0

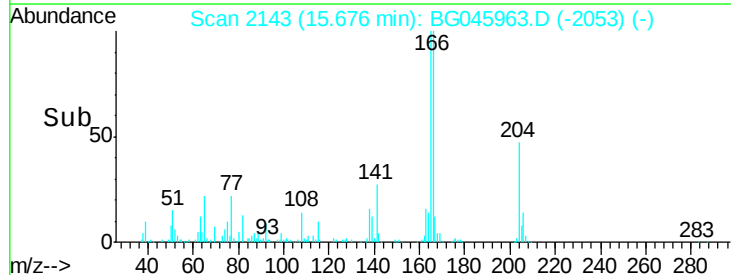
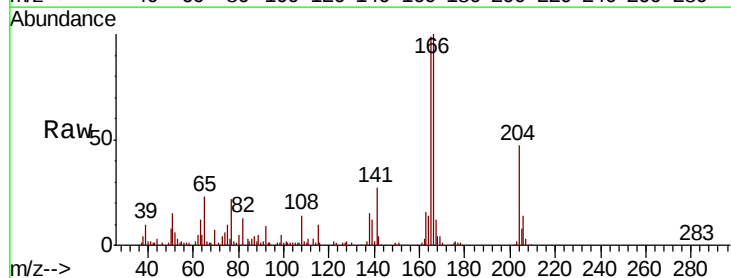
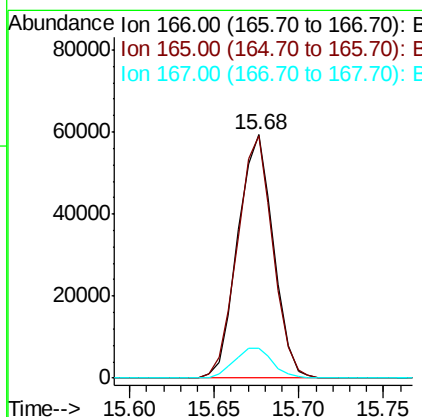
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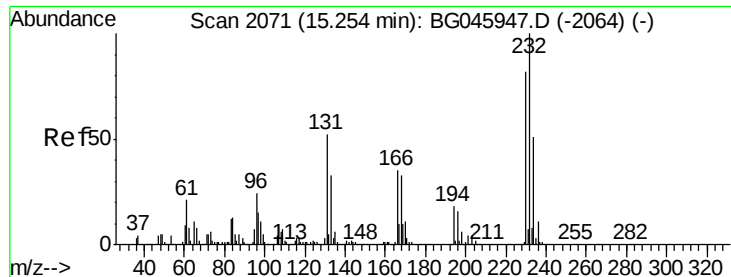
mohammad
 7/9/2020 10:55:24 AM



#58
 Fluorene
 Concen: 4.039 ng
 RT: 15.68 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.3	78.9	118.3
167	12.1	12.1	18.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.655 ng

RT: 15.25 min Scan# 2070

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:232 Resp: 17986

Ion Ratio Lower Upper

232 100

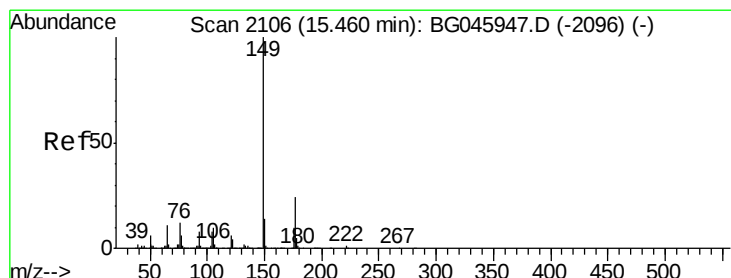
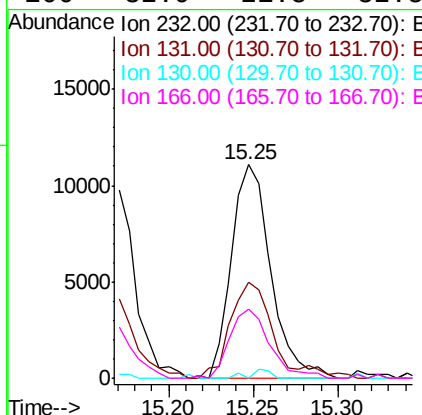
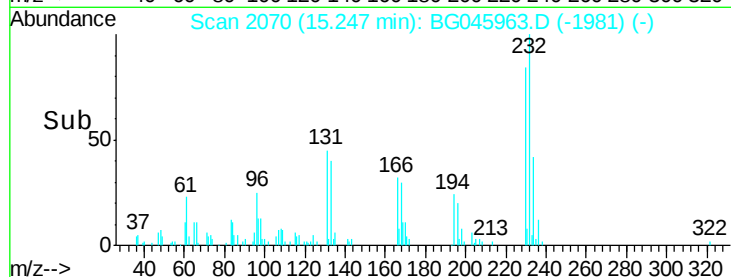
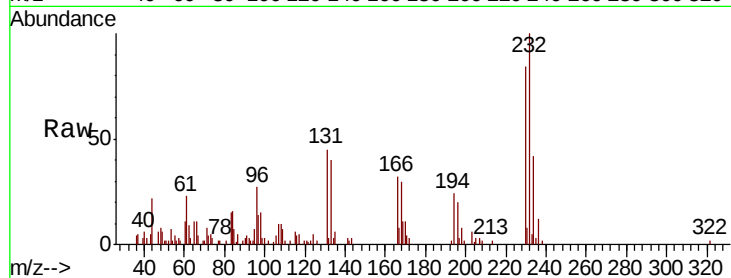
131 49.1 35.8 53.6

130 2.2 2.5 3.7#

166 32.9 21.8 32.8#

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#60

Diethylphthalate

Concen: 3.794 ng

RT: 15.45 min Scan# 2104

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

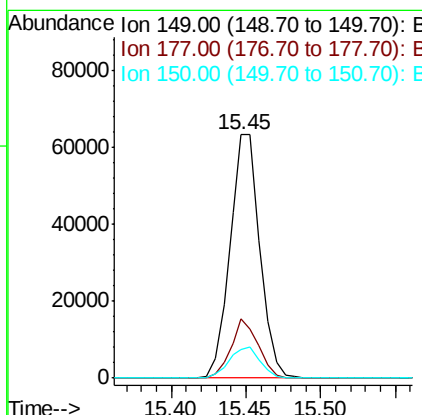
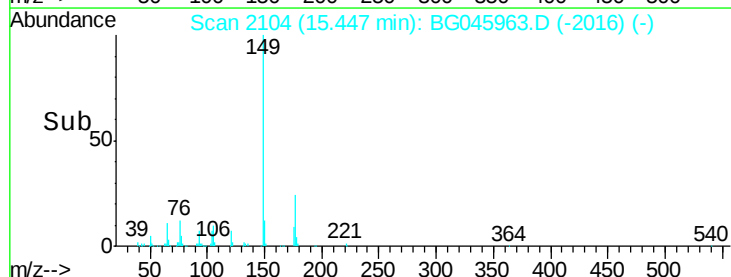
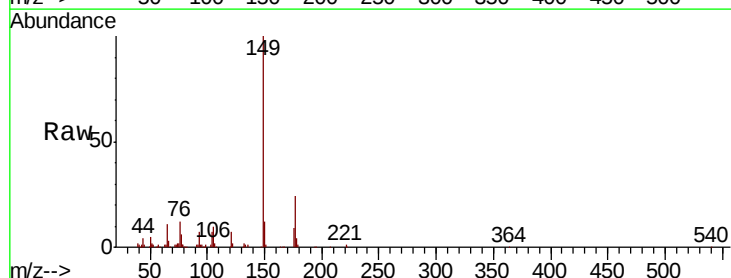
Tgt Ion:149 Resp: 88299

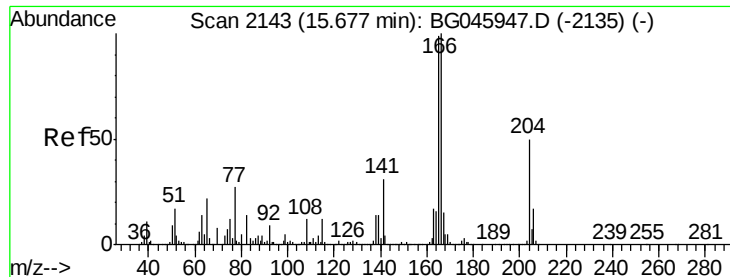
Ion Ratio Lower Upper

149 100

177 24.4 19.0 28.4

150 11.7 11.0 16.4





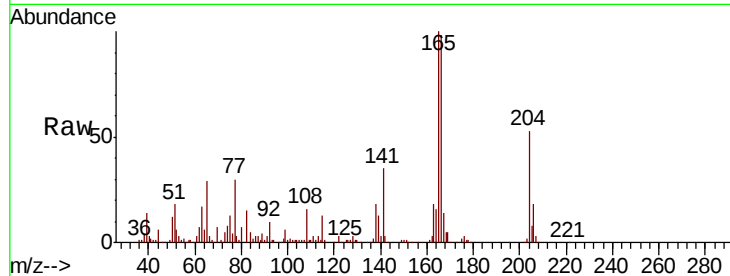
#61
4-Chlorophenyl-phenylether
Concen: 3.837 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
204	100			
206	33.3	27.1	40.7	
141	65.4	49.8	74.8	

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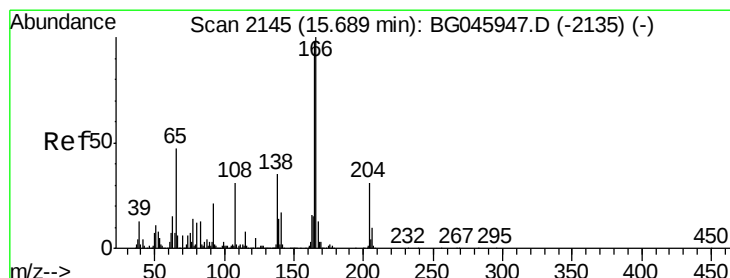
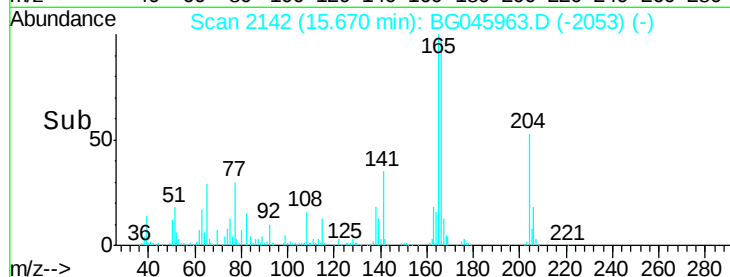
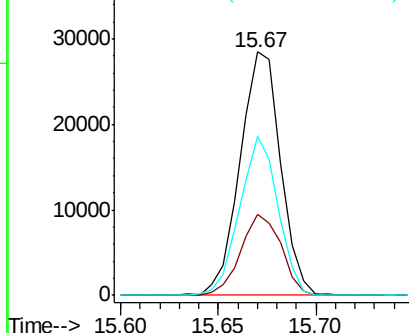


Abundance

Ion 204.00 (203.70 to 204.70): E

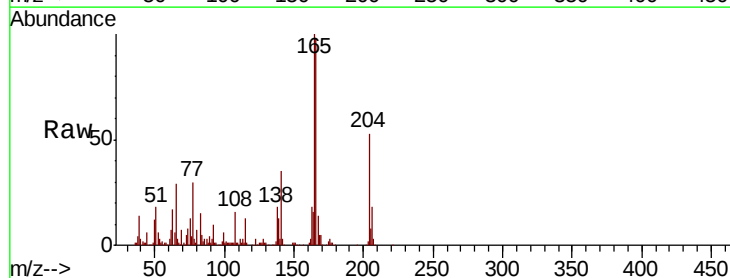
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 3.402 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.02 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
138	100			
92	58.1	40.3	80.3	
108	89.0	68.0	108.0	

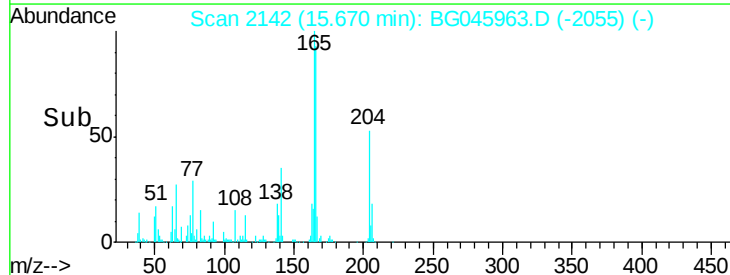
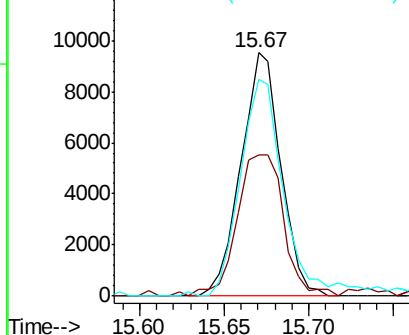


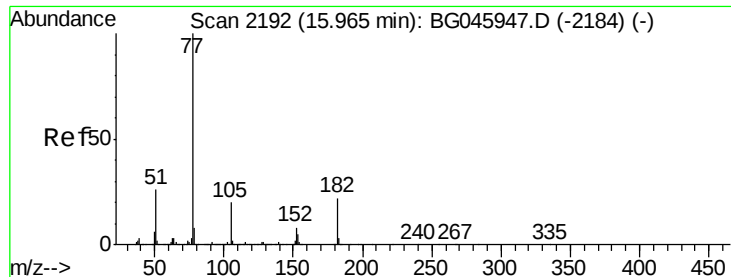
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 4.012 ng

RT: 15.96 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

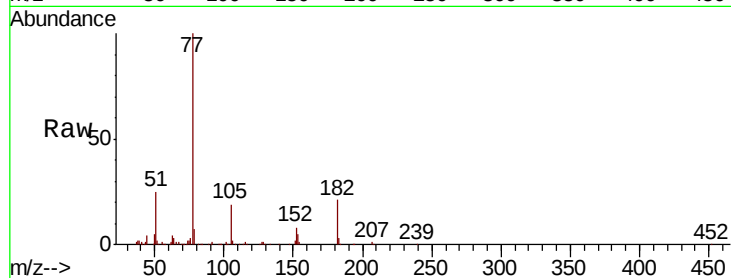
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

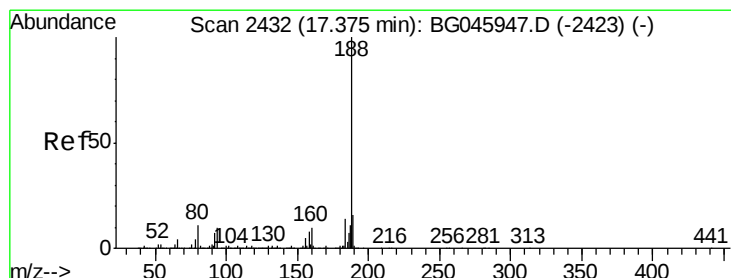
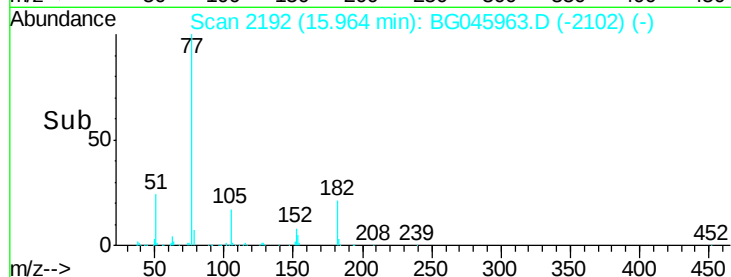
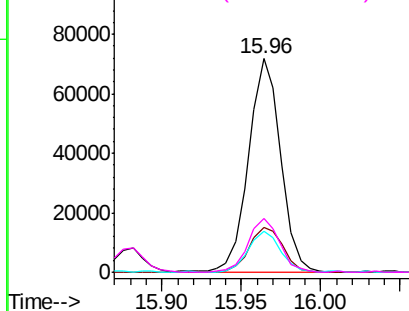
Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	21.0	2.4	42.4	
105	19.2	0.3	40.3	
51	24.9	6.3	46.3	

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Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

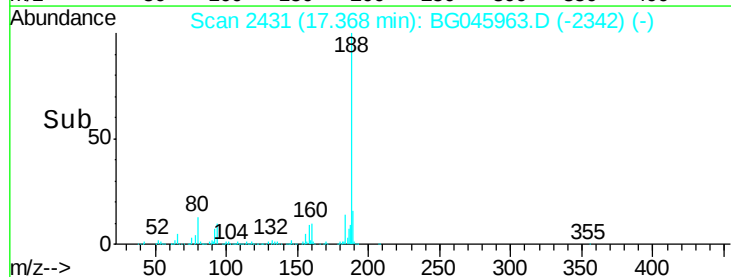
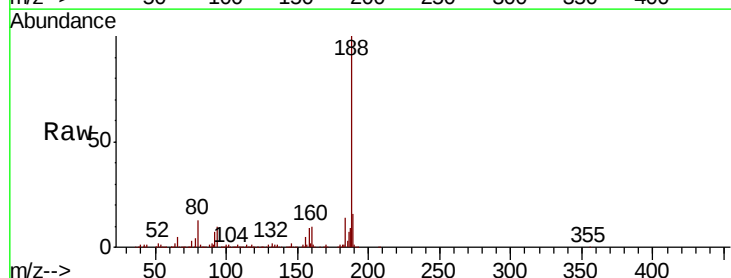
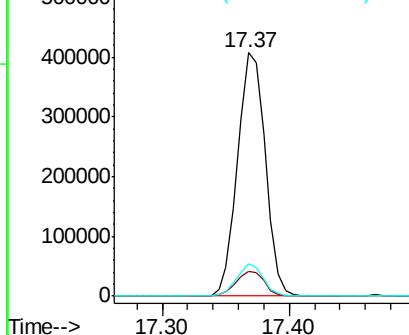
Delta R.T. -0.01 min

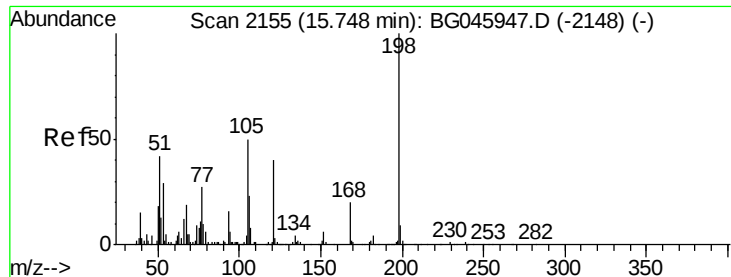
Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	10.3	8.2	12.4	
80	13.3	9.0	13.6	

Abundance Ion 188.00 (187.70 to 188.70): BGC
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





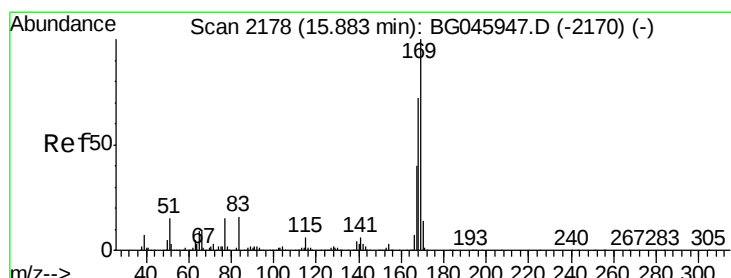
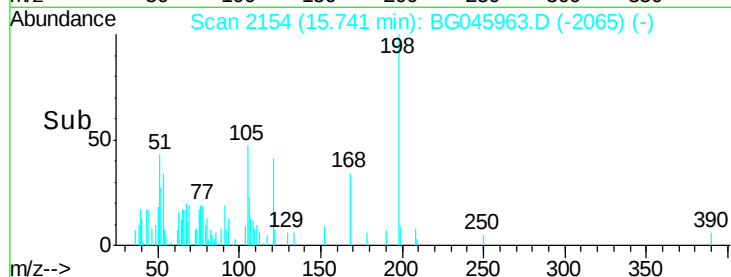
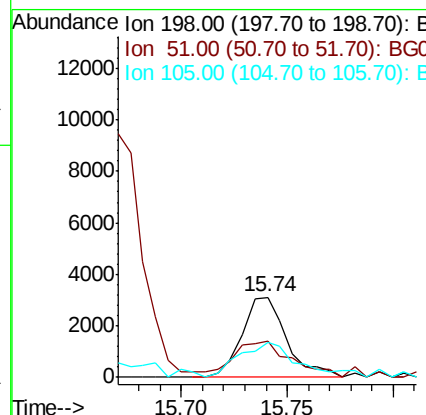
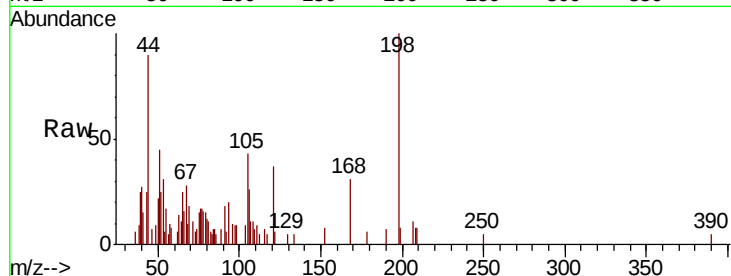
#65
4,6-Dinitro-2-methylphenol
Concen: 2.487 ng
RT: 15.74 min Scan# 2154
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
198	100	4504		
51	44.6	24.5	64.5	
105	43.1	30.9	70.9	

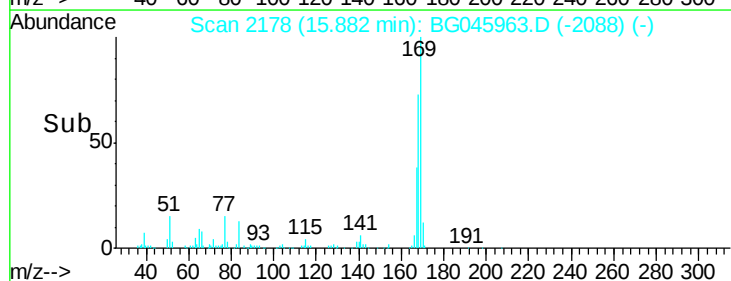
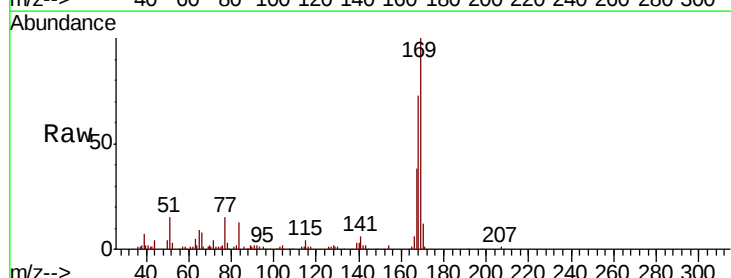
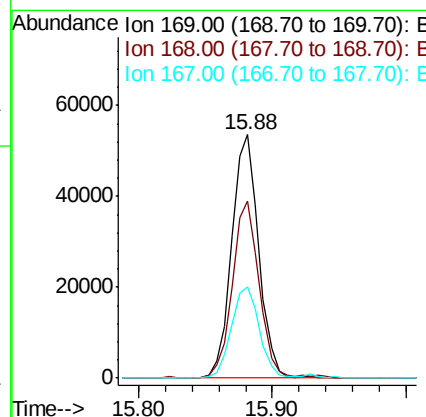
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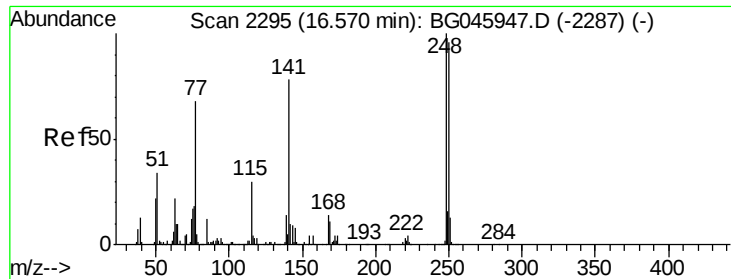
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#66
n-Nitrosodiphenylamine
Concen: 3.945 ng
RT: 15.88 min Scan# 2178
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	75586		
168	72.8	57.3	85.9	
167	37.7	32.1	48.1	





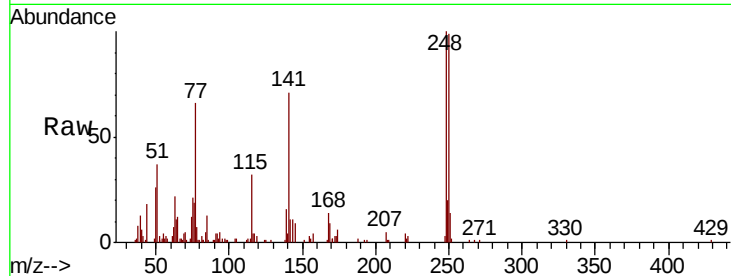
#67
4-Bromophenyl-phenylether
Concen: 3.640 ng
RT: 16.56 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.4	76.6	114.8
141	70.9	62.7	94.1

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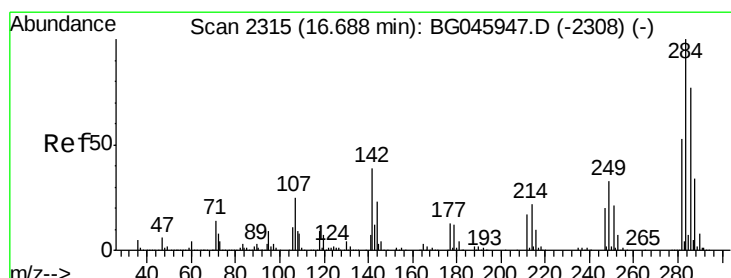
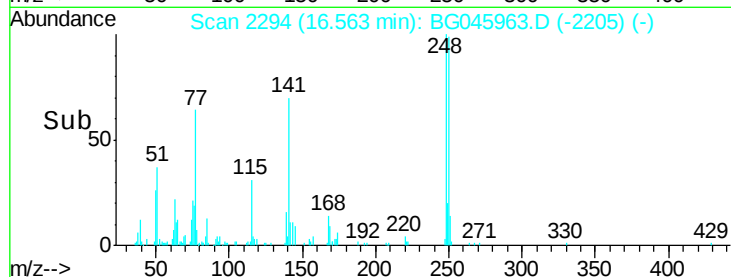
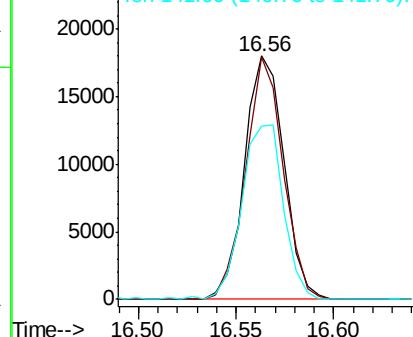


Abundance

Ion 248.00 (247.70 to 248.70): E

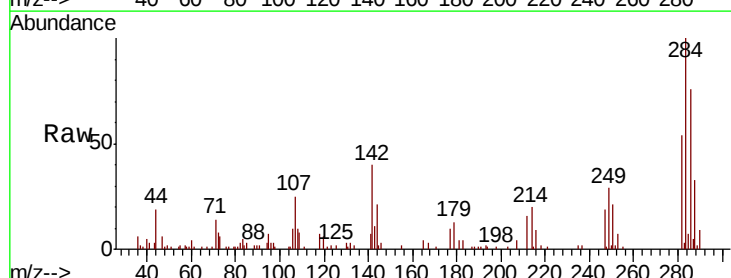
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 3.786 ng
RT: 16.69 min Scan# 2315
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
284	100		
142	40.3	31.3	46.9
249	28.8	26.8	40.2

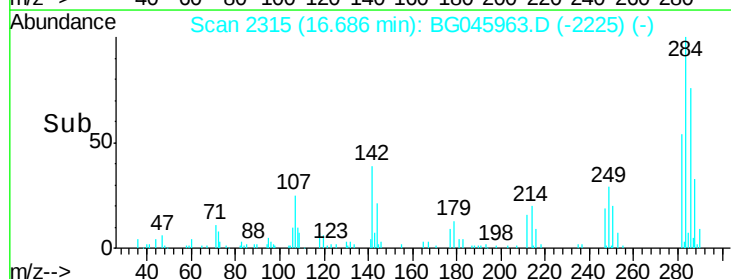
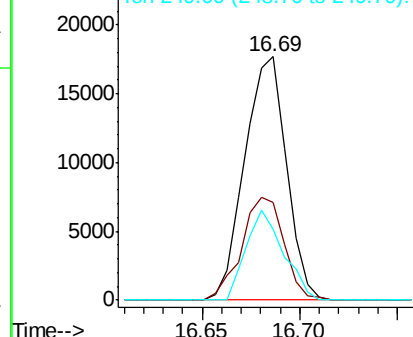


Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 4.306 ng

RT: 16.83 min Scan# 2339

Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

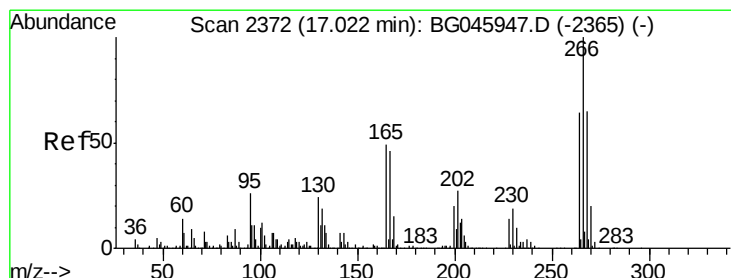
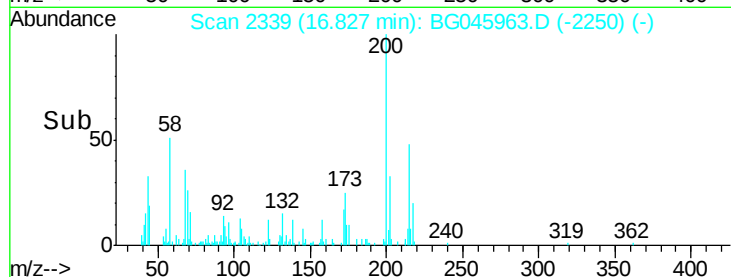
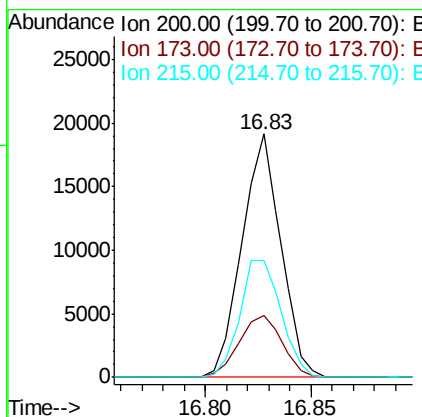
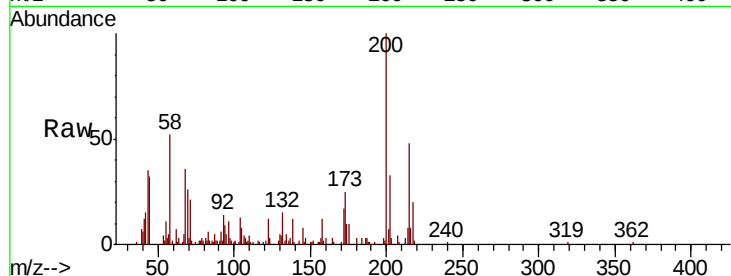
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	200	Resp:	24394
Ion Ratio	Lower	Upper	
200	100		
173	25.3	9.1	49.1
215	47.8	28.8	68.8

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#70

Pentachlorophenol

Concen: 3.121 ng

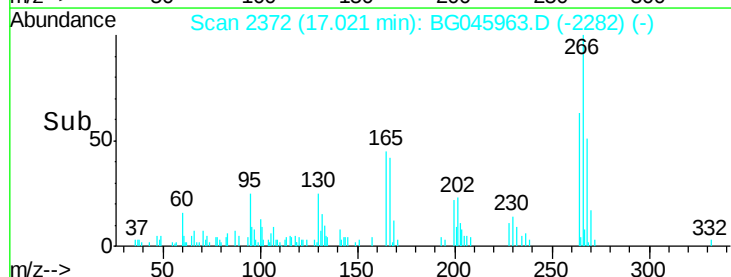
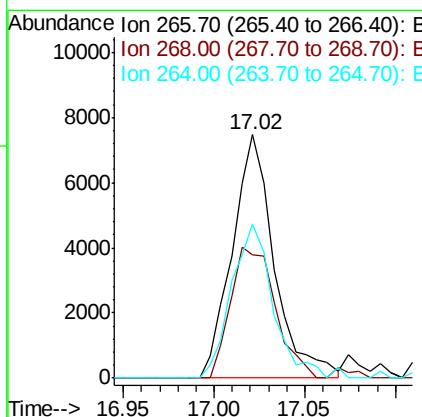
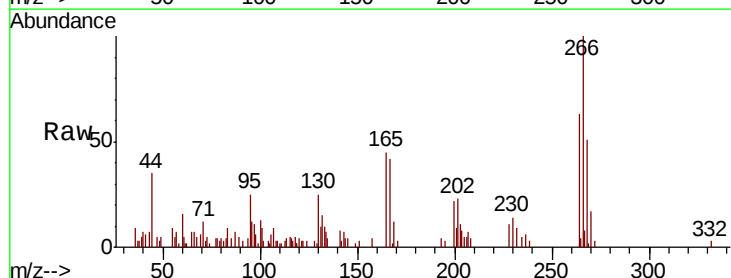
RT: 17.02 min Scan# 2372

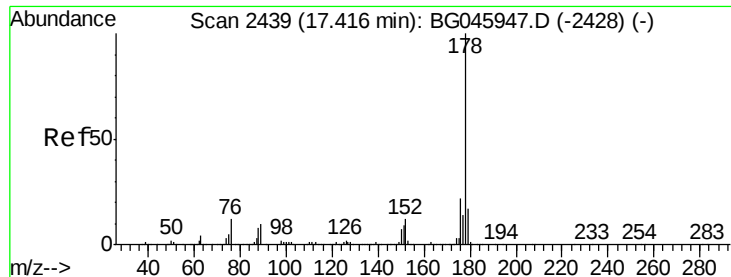
Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Tgt Ion:	266	Resp:	12027
Ion Ratio	Lower	Upper	
266	100		
268	50.7	51.8	77.8#
264	63.2	51.4	77.0





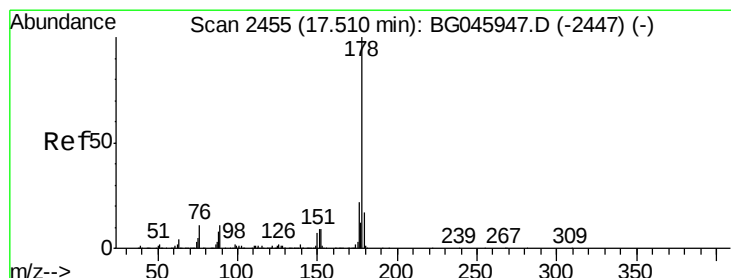
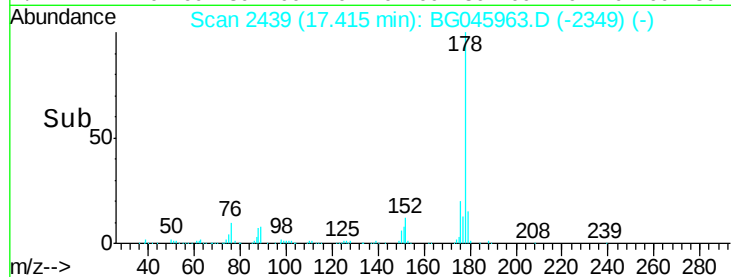
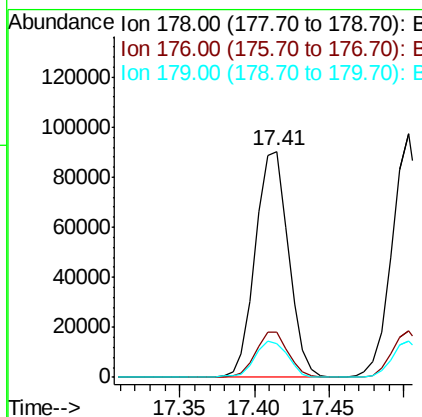
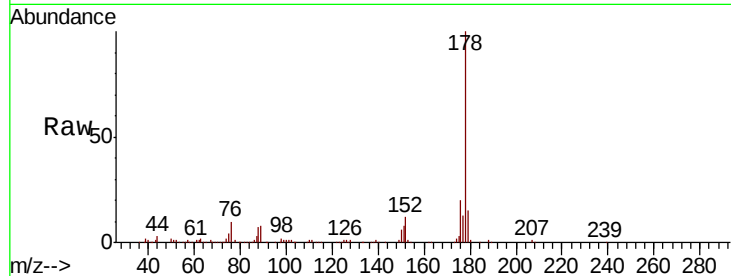
#71
Phenanthrene
Concen: 4.227 ng
RT: 17.41 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	17.4	26.2
179	15.0	13.4	20.2

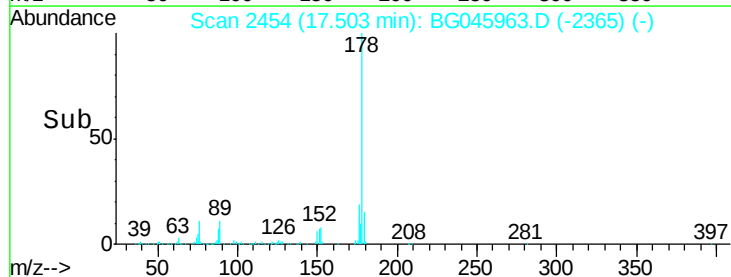
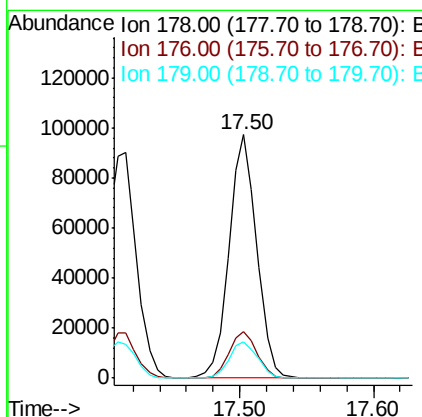
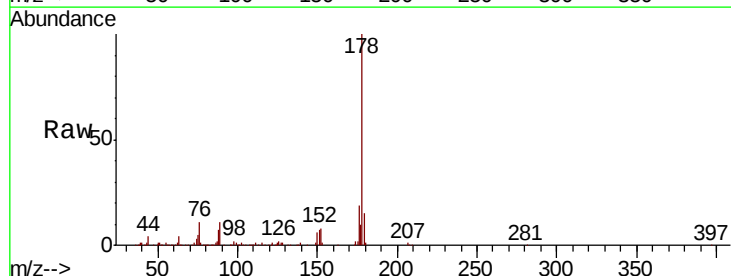
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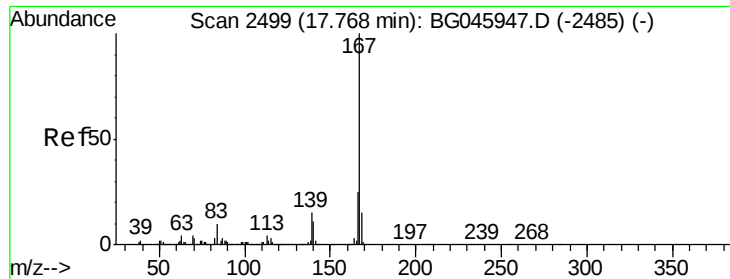
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#72
Anthracene
Concen: 4.220 ng
RT: 17.50 min Scan# 2454
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	17.2	25.8
179	14.9	14.0	21.0





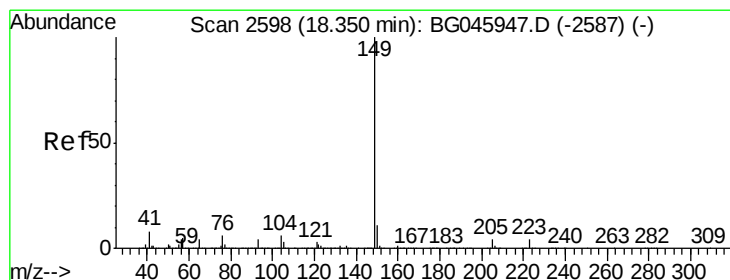
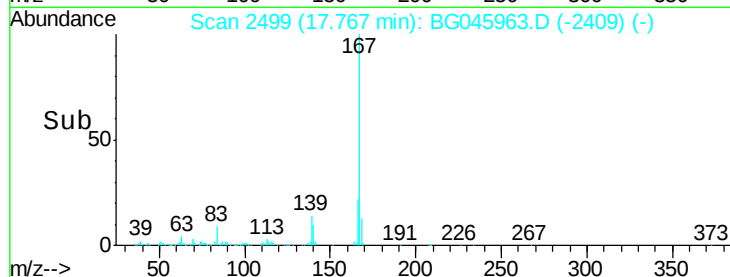
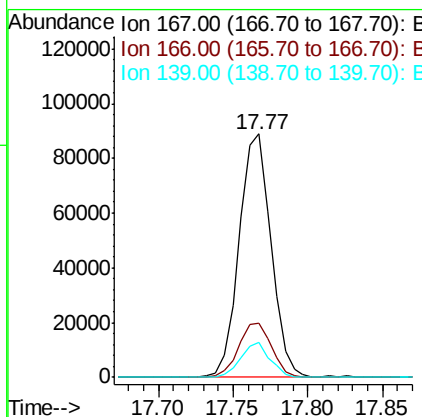
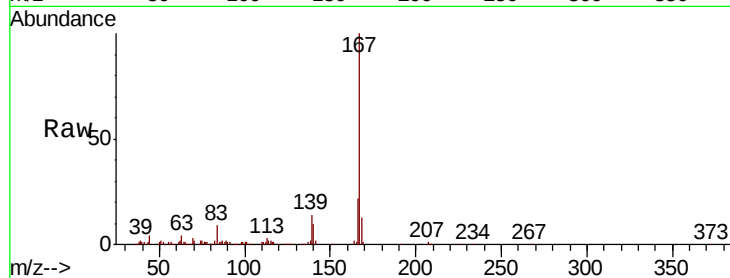
#73
 Carbazole
 Concen: 3.964 ng
 RT: 17.77 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.4	20.4	30.6
139	14.1	11.8	17.8

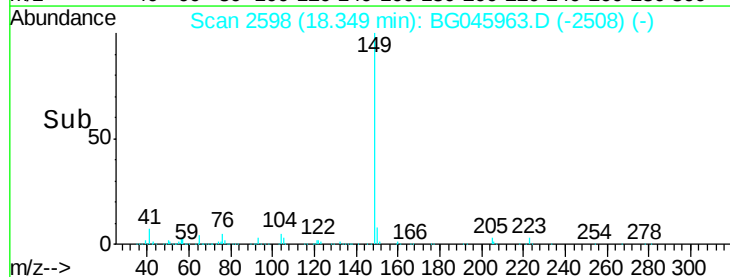
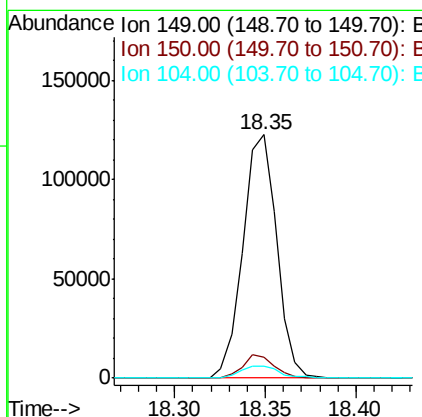
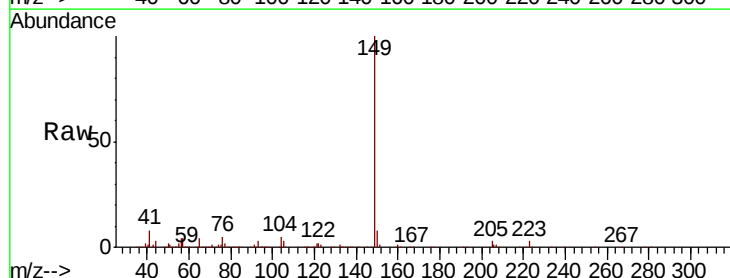
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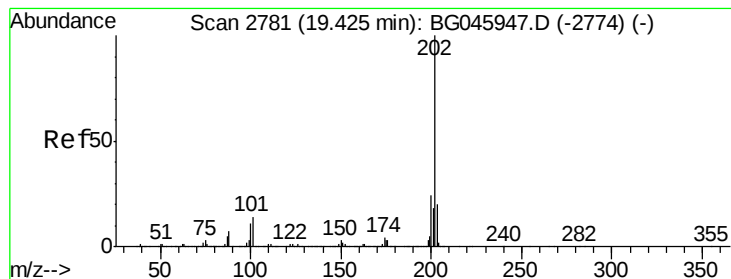
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#74
 Di-n-butylphthalate
 Concen: 3.963 ng
 RT: 18.35 min Scan# 2598
 Delta R.T. -0.00 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.5	9.0	13.4#
104	5.1	5.2	7.8#





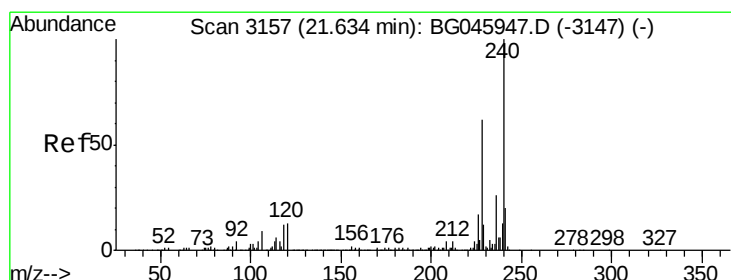
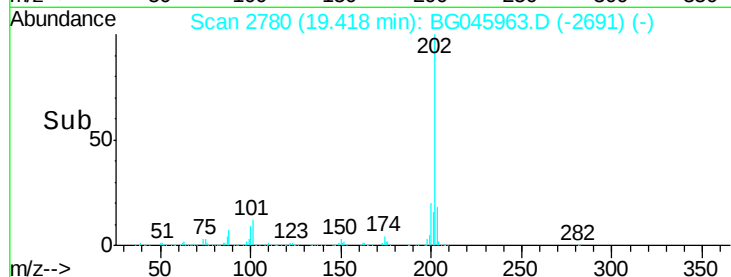
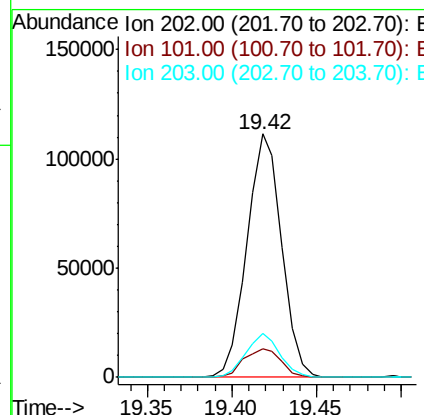
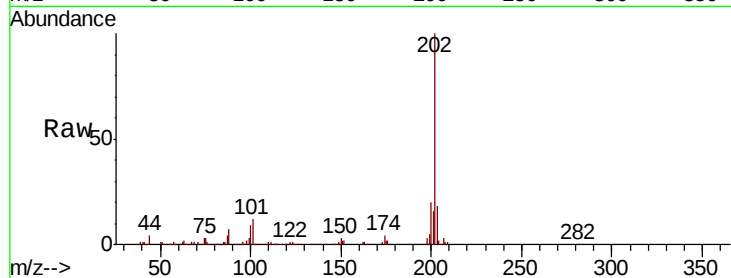
#75
Fluoranthene
 Concen: 4.199 ng
 RT: 19.42 min Scan# 2780
 Delta R.T. -0.01 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.8	0.0	33.8
203	18.0	0.4	40.4

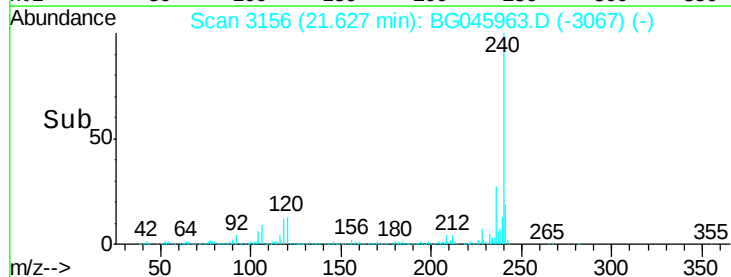
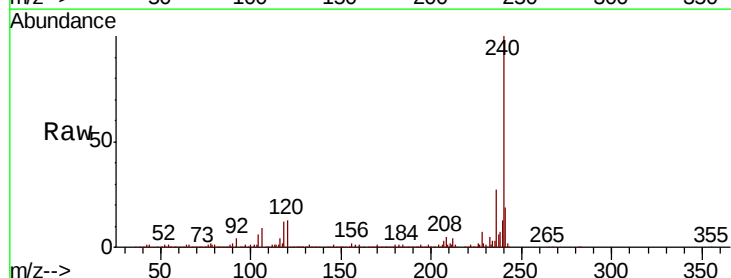
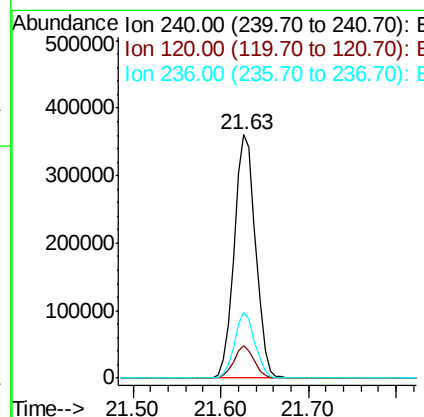
Manual Integrations
 APPROVED

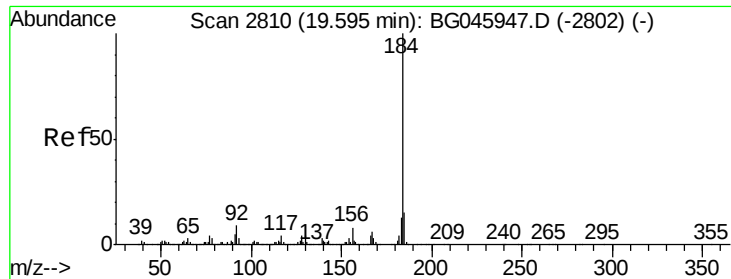
mohammad
 7/9/2020 10:55:24 AM



#76
Chrysene-d12
 Concen: 20.000 ng
 RT: 21.63 min Scan# 3156
 Delta R.T. -0.01 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.1	10.6	16.0
236	27.0	20.4	30.6





#77

Benzidine

Concen: 4.273 ng

RT: 19.59 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Instrument :

BNA_G

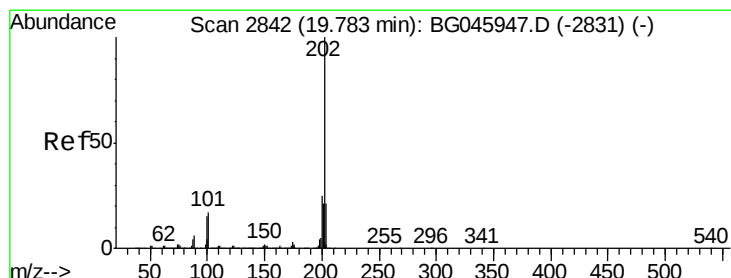
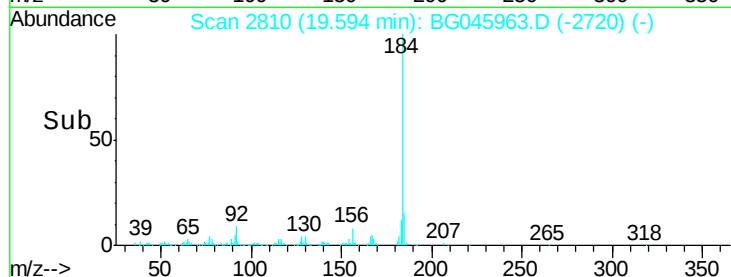
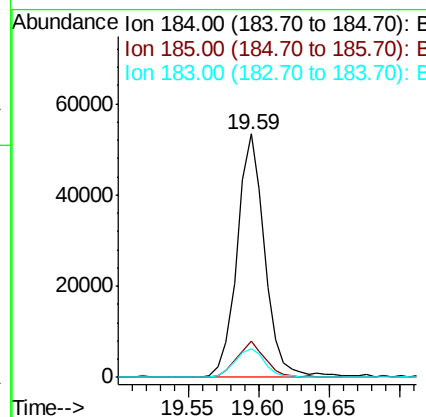
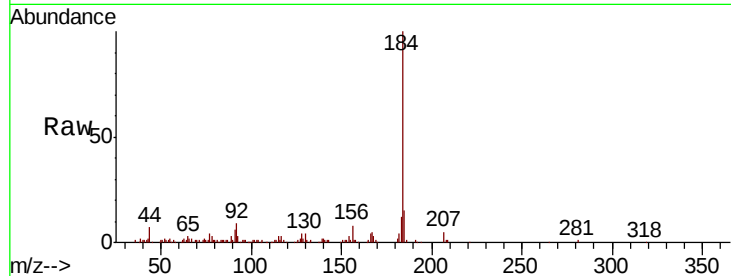
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	184	Resp:	72824
Ion Ratio	Lower	Upper	
184	100		
185	15.0	11.6	17.4
183	11.7	10.4	15.6

Manual Integrations
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#78

Pyrene

Concen: 4.040 ng

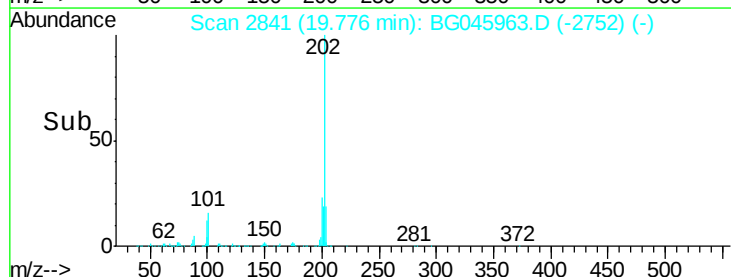
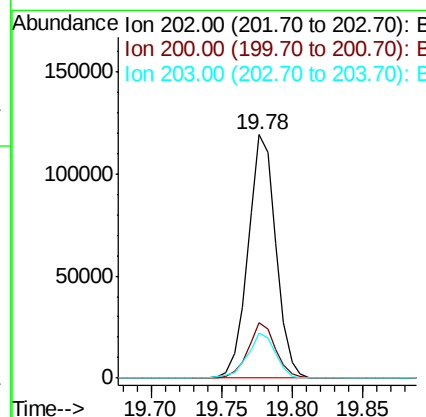
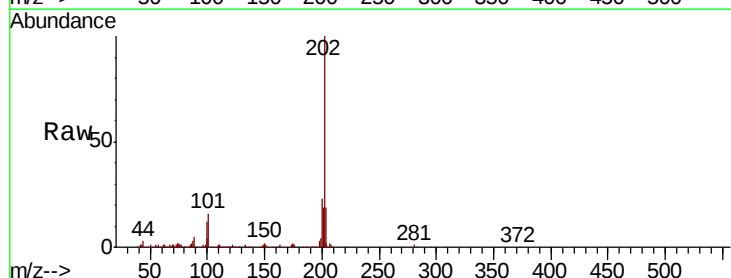
RT: 19.78 min Scan# 2841

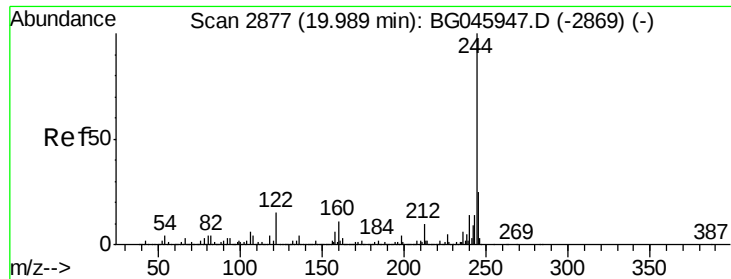
Delta R.T. -0.01 min

Lab File: BG045963.D

Acq: 7 Jul 2020 17:19

Tgt Ion:	202	Resp:	164365
Ion Ratio	Lower	Upper	
202	100		
200	22.6	20.1	30.1
203	18.7	16.5	24.7





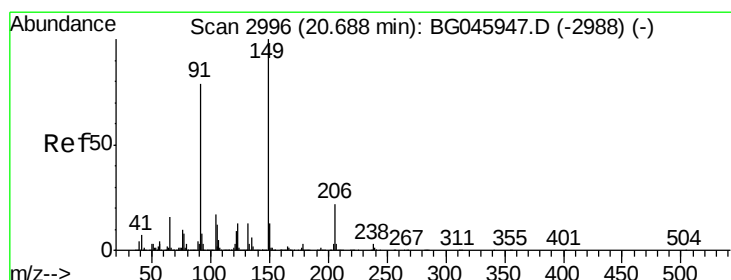
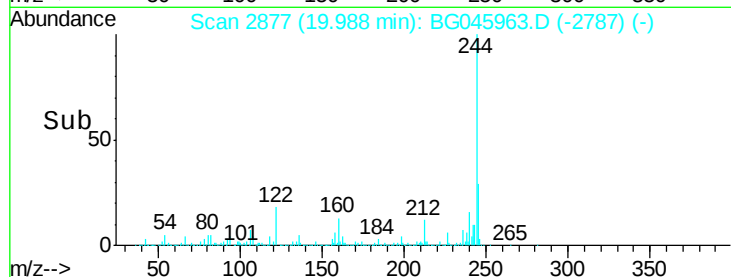
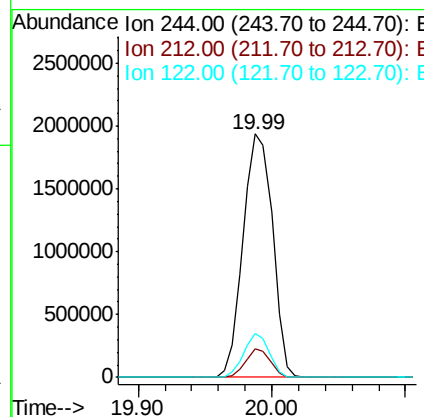
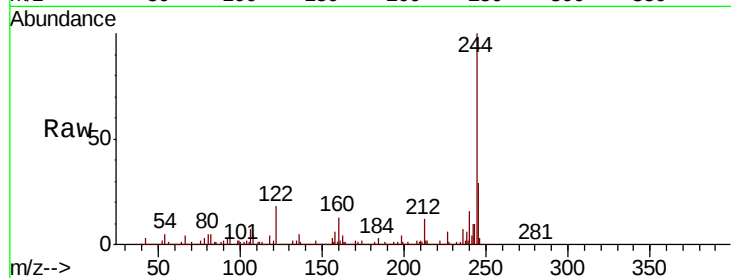
#79
 Terphenyl-d14
 Concen: 110.259 ng
 RT: 19.99 min Scan# 2877
 Delta R.T. -0.00 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

Instrument :
 BNA_G
 ClientSampleID :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
244	100		
212	11.7	8.3	12.5
122	17.9	12.1	18.1

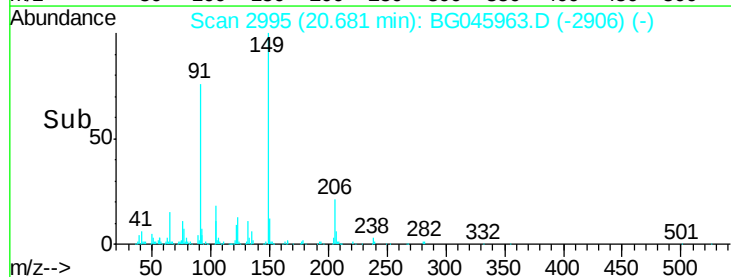
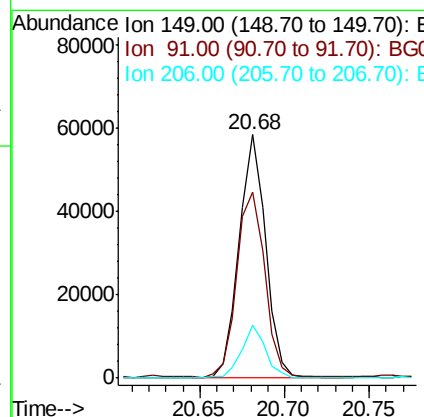
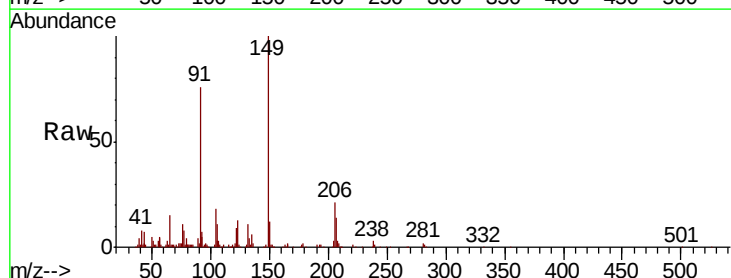
Manual Integrations
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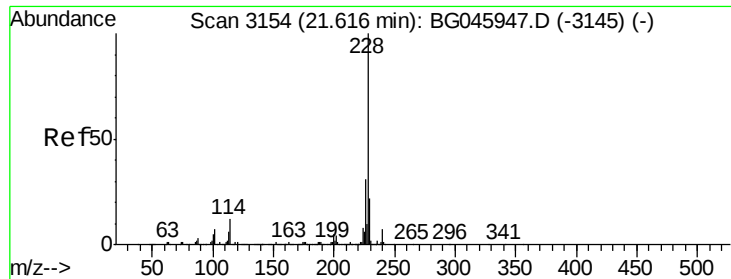
mohammad
 7/9/2020 10:55:24 AM



#80
 Butylbenzylphthalate
 Concen: 3.347 ng
 RT: 20.68 min Scan# 2995
 Delta R.T. -0.01 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
149	100		
91	76.5	63.1	94.7
206	21.5	17.4	26.0





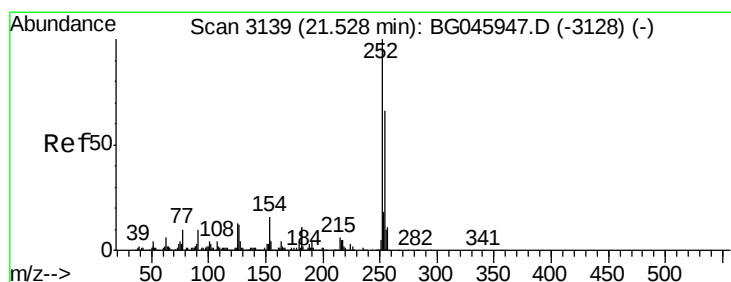
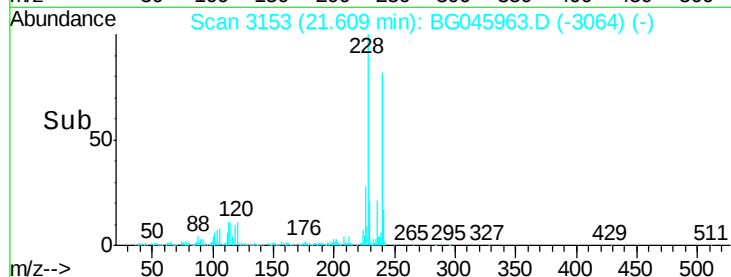
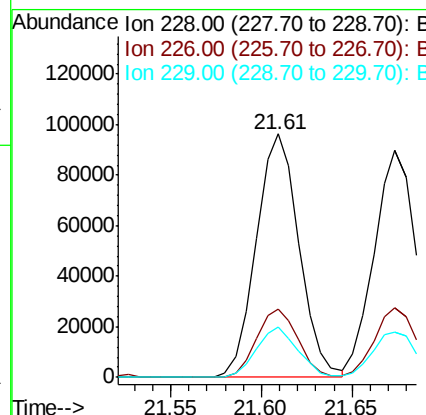
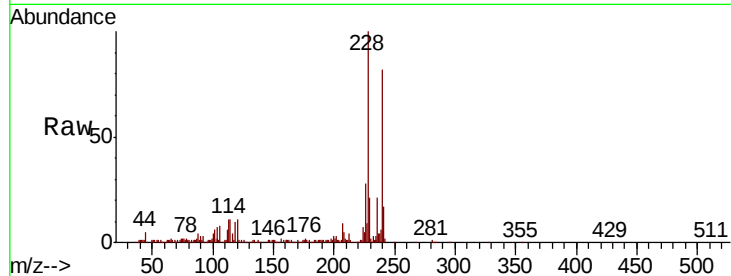
#81
Benzo(a)anthracene
Concen: 4.053 ng
RT: 21.61 min Scan# 3153
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	24.8	37.2
229	20.6	17.8	26.8

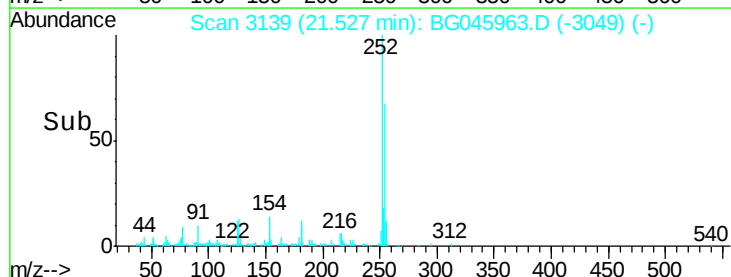
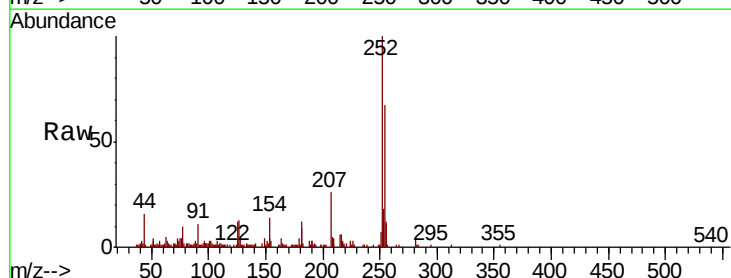
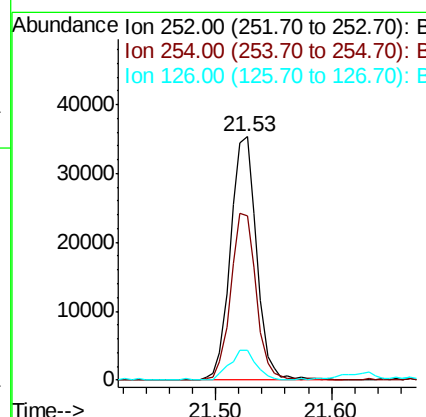
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#82
3,3'-Dichlorobenzidine
Concen: 3.813 ng
RT: 21.53 min Scan# 3139
Delta R.T. -0.00 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
252	100		
254	67.3	52.9	79.3
126	12.1	10.4	15.6





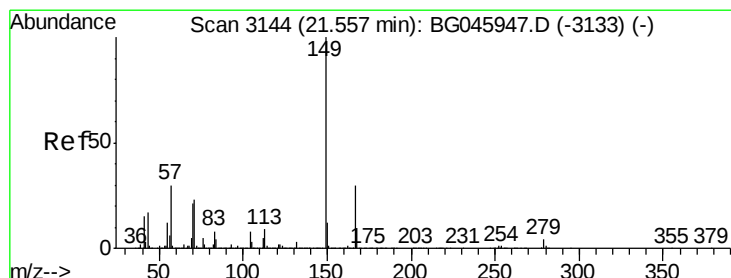
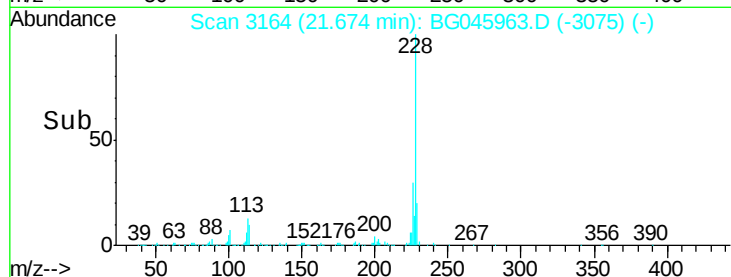
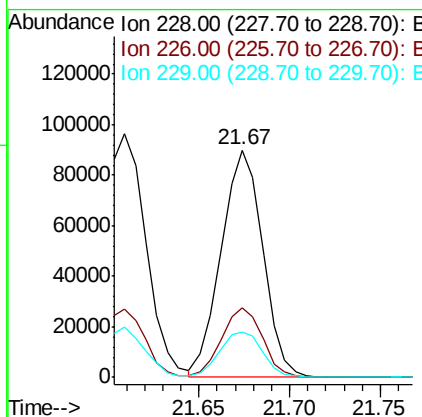
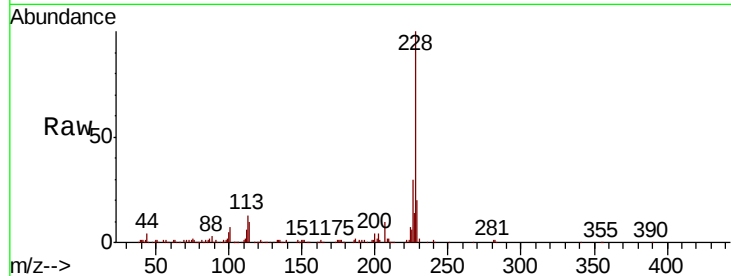
#83
Chrysene
Concen: 3.852 ng
RT: 21.67 min Scan# 3164
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	26.7	40.1
229	19.7	17.3	25.9

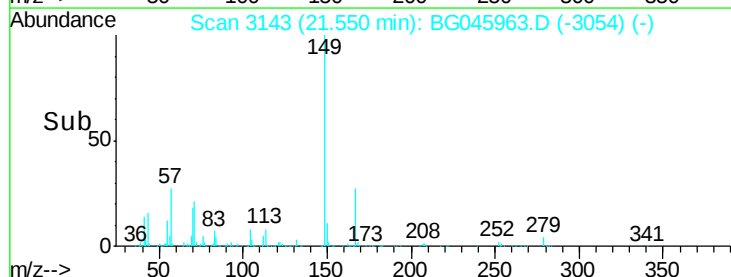
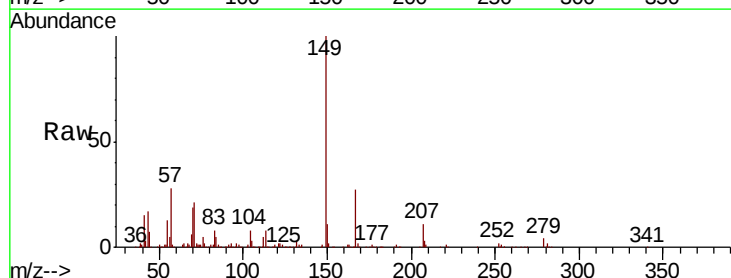
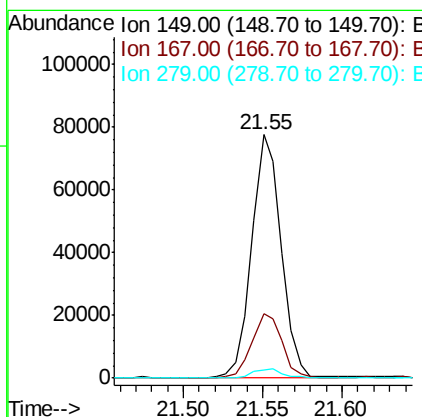
Manual Integrations
APPROVED

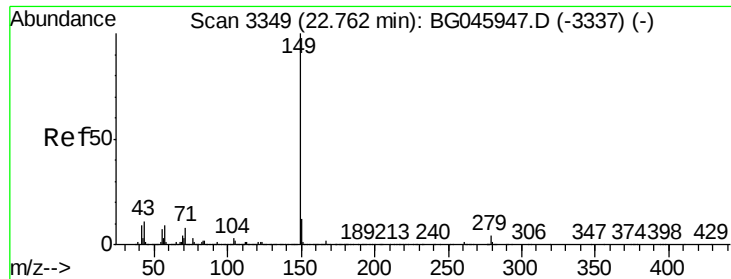
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 3.582 ng
RT: 21.55 min Scan# 3143
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.6	23.8	35.8
279	3.6	3.5	5.3





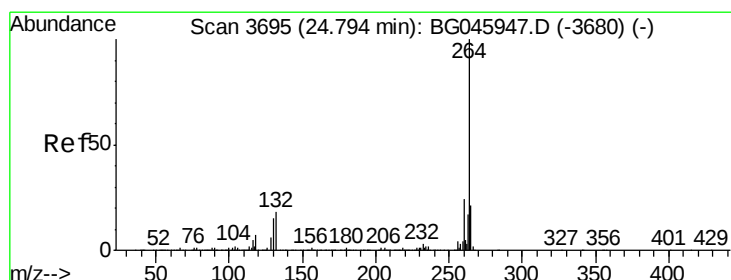
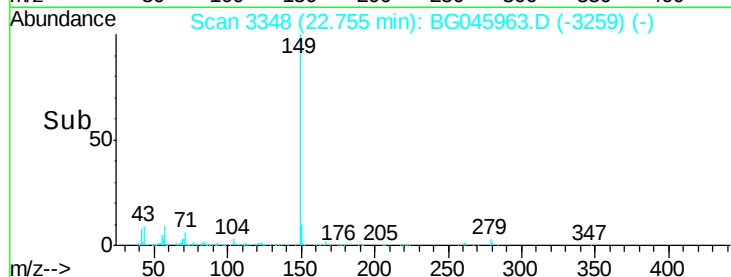
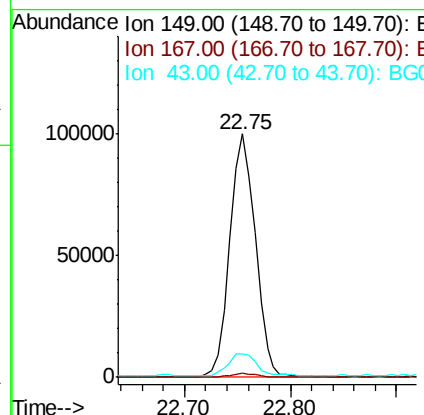
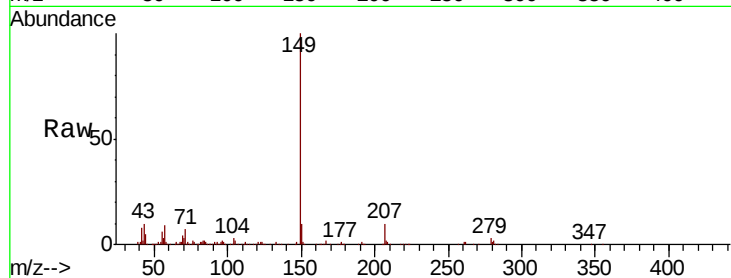
#85
Di-n-octyl phthalate
Concen: 3.483 ng
RT: 22.75 min Scan# 3348
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
149	100	168690		
167	1.6		1.4	2.0
43	10.6		8.6	12.8

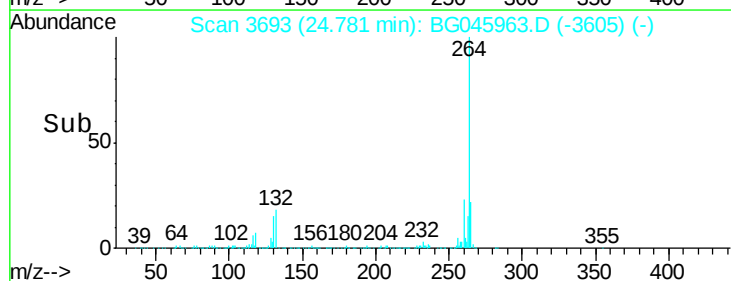
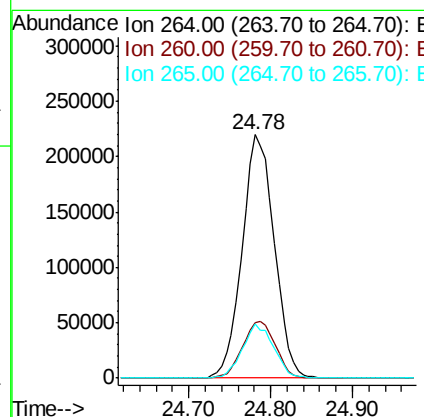
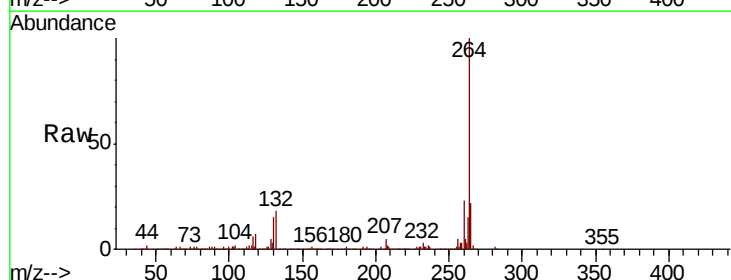
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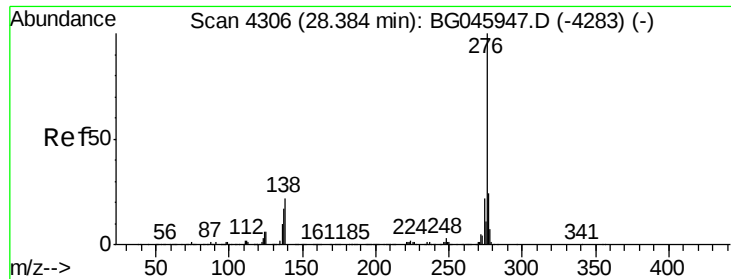
mohammad
7/9/2020 10:55:24 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.78 min Scan# 3693
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	601188		
260	22.9		19.0	28.6
265	22.2		16.9	25.3





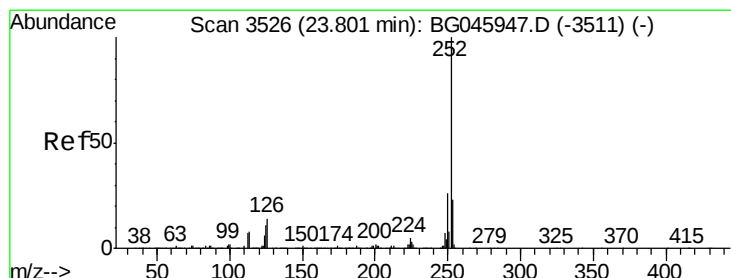
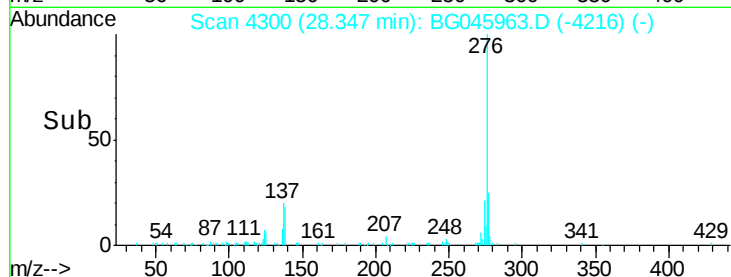
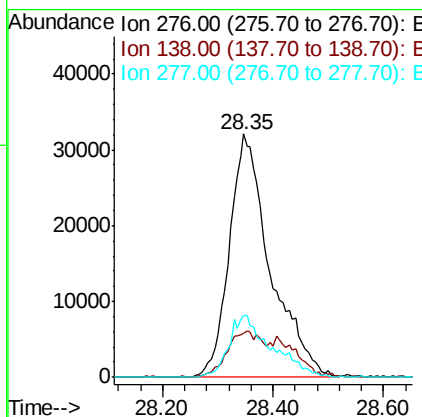
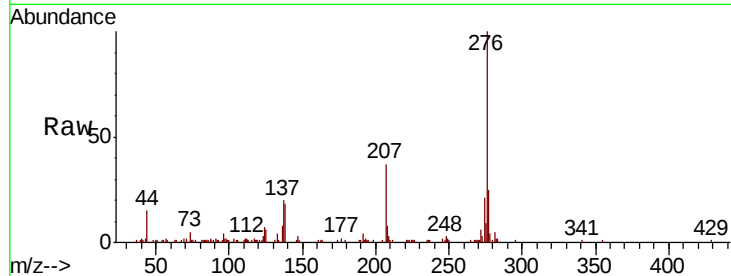
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.754 ng
 RT: 28.35 min Scan# 4300
 Delta R.T. -0.04 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.3	16.4	24.6#
277	26.6	20.6	31.0

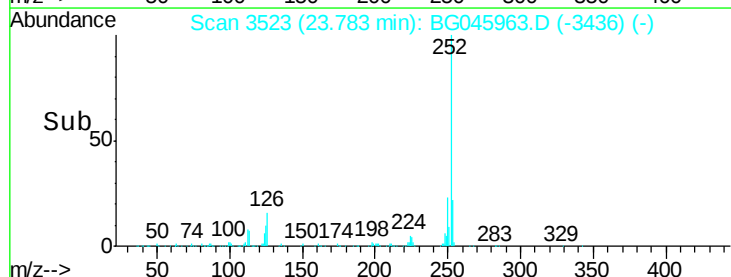
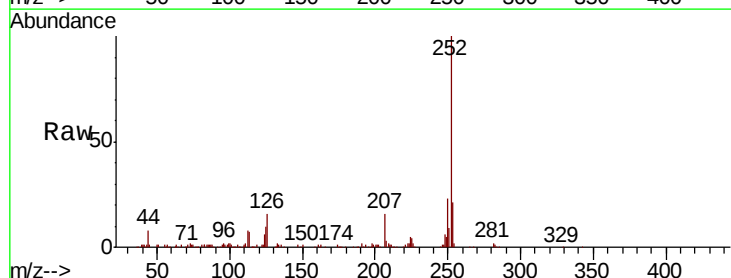
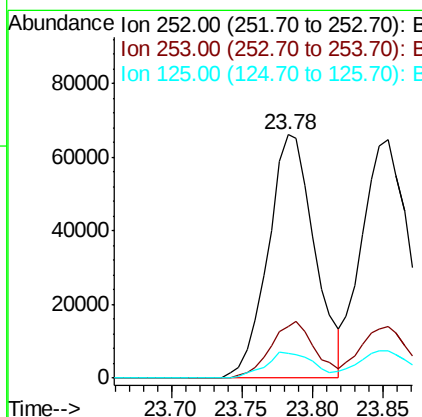
Manual Integrations
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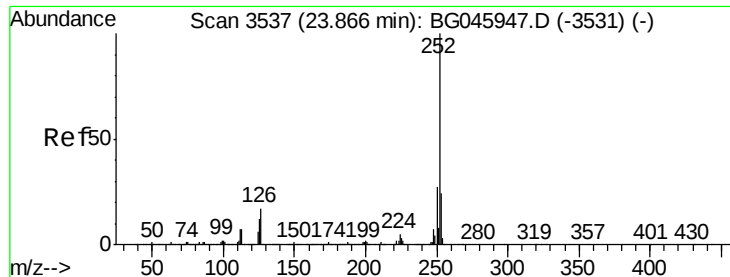
mohammad
 7/9/2020 10:55:24 AM



#88
 Benzo(b)fluoranthene
 Concen: 3.985 ng
 RT: 23.78 min Scan# 3523
 Delta R.T. -0.02 min
 Lab File: BG045963.D
 Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.5	27.7
125	10.1	9.2	13.8





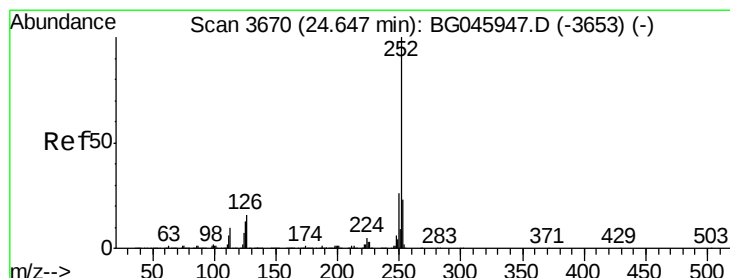
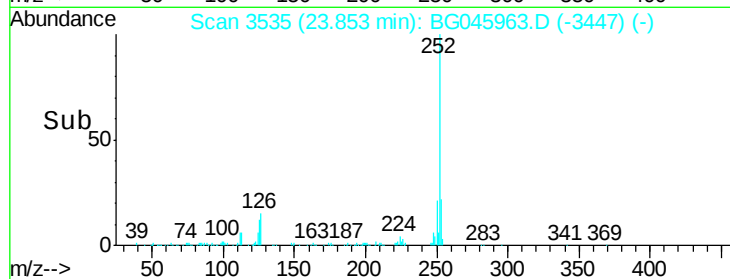
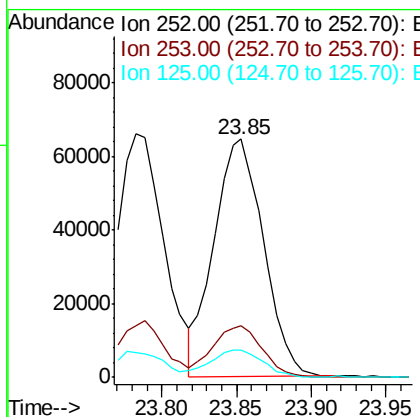
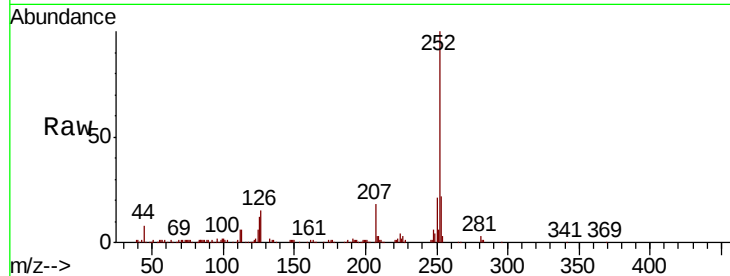
#89
Benzo(k)fluoranthene
Concen: 4.125 ng
RT: 23.85 min Scan# 3535
Delta R.T. -0.01 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.9	28.3
125	11.6	9.6	14.4

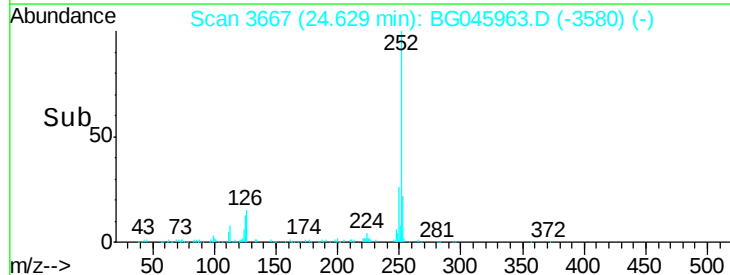
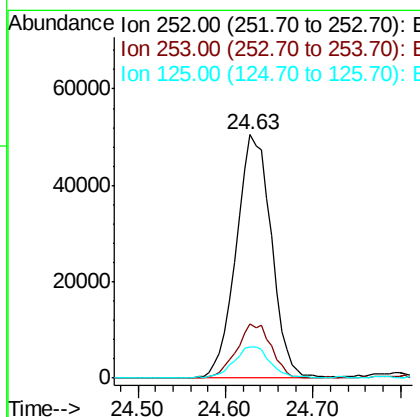
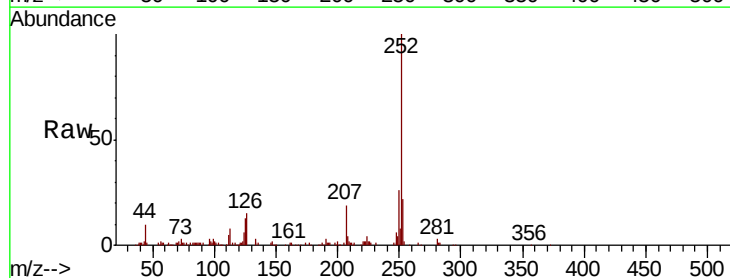
Manual Integrations
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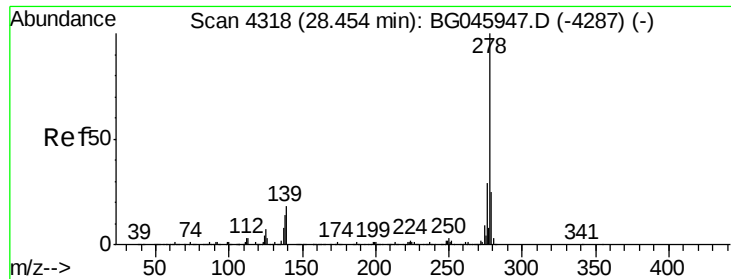
mohammad
7/9/2020 10:55:24 AM



#90
Benzo(a)pyrene
Concen: 3.837 ng
RT: 24.63 min Scan# 3667
Delta R.T. -0.02 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.6	28.0
125	12.7	10.5	15.7





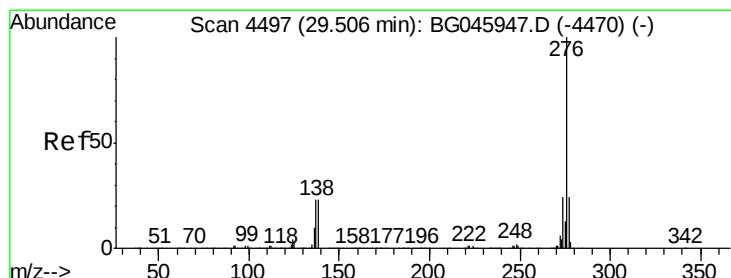
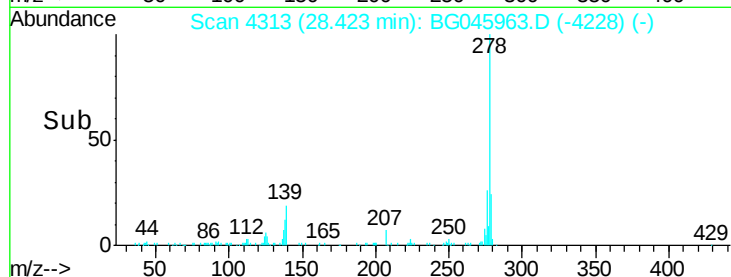
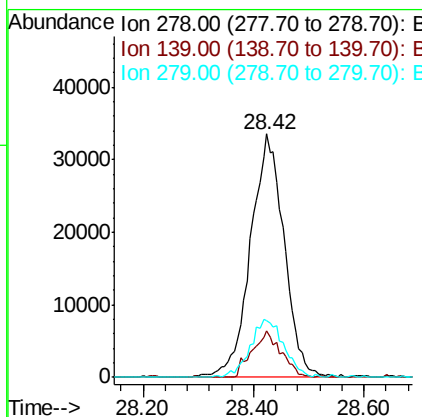
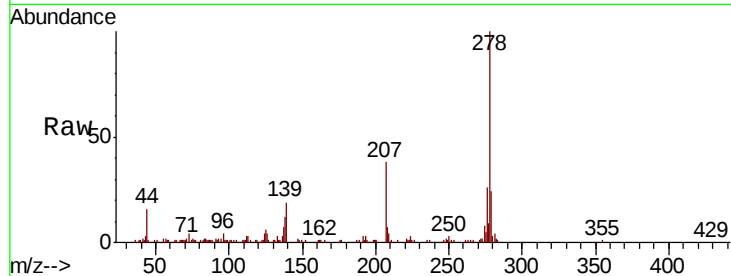
#91
Dibenzo(a,h)anthracene
Concen: 3.979 ng
RT: 28.42 min Scan# 4313
Delta R.T. -0.03 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.1	14.3	21.5
279	23.5	19.8	29.6

Manual Integrations
APPROVED

mohammad
7/9/2020 10:55:24 AM



#92
Benzo(g,h,i)perylene
Concen: 3.942 ng
RT: 29.46 min Scan# 4489
Delta R.T. -0.05 min
Lab File: BG045963.D
Acq: 7 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.8	19.4	29.0
138	21.3	18.6	28.0

