

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070820\
 Data File : BG045978.D
 Acq On : 8 Jul 2020 12:52
 Operator : CG/JU
 Sample : L3216-01
 Misc : LOD-MDL-SOIL-8PPM
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
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 7/10/2020 11:45:39 AM

Quant Time: Jul 08 13:32:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 08 12:06:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	140105	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	577257	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	345464	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	696290	20.00	ng	0.00
76) Chrysene-d12	21.63	240	666248	20.00	ng	0.00
86) Perylene-d12	24.78	264	675917	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	809382	93.68	ng	0.00
7) Phenol-d6	7.16	99	1190176	95.68	ng	0.00
23) Nitrobenzene-d5	9.16	82	838999	83.66	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	302313	94.29	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1613086	72.83	ng	0.00
79) Terphenyl-d14	19.98	244	1729830	57.78	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	35168	8.823	ng	96
3) Pyridine	3.90	79	73659	6.112	ng	97
4) n-Nitrosodimethylamine	3.82	42	32630	8.007	ng	96
6) Aniline	7.33	93	115668	7.269	ng	97
8) 2-Chlorophenol	7.57	128	65310	7.022	ng	95
9) Benzaldehyde	7.14	77	77132	9.787	ng	96
10) Phenol	7.19	94	88859	7.122	ng	99
11) bis(2-Chloroethyl)ether	7.42	93	72951	7.070	ng	98
12) 1,3-Dichlorobenzene	7.90	146	75498	7.043	ng	95
13) 1,4-Dichlorobenzene	8.04	146	76833	7.286	ng	96
14) 1,2-Dichlorobenzene	8.36	146	70706	6.967	ng	96
15) Benzyl Alcohol	8.23	79	66918	6.861	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.53	45	91507	6.798	ng	98
17) 2-Methylphenol	8.44	107	59140	6.317	ng	96
18) Hexachloroethane	9.09	117	28672	7.066	ng	90
19) n-Nitroso-di-n-propylamine	8.80	70	64054	7.330	ng	98
20) 3+4-Methylphenols	8.76	107	82574	6.471	ng	98
22) Acetophenone	8.82	105	112984	7.326	ng	# 96
24) Nitrobenzene	9.20	77	89873	8.119	ng	# 95
25) Isophorone	9.72	82	165157	6.746	ng	98
26) 2-Nitrophenol	9.91	139	26446	7.330	ng	98
27) 2,4-Dimethylphenol	9.97	122	63021	7.232	ng	96
28) bis(2-Chloroethoxy)methane	10.21	93	98265	7.147	ng	96
29) 2,4-Dichlorophenol	10.45	162	58204	6.452	ng	95
30) 1,2,4-Trichlorobenzene	10.67	180	68753	6.878	ng	98
31) Naphthalene	10.85	128	221749	7.166	ng	98
32) Benzoic acid	10.03	122	21271m	4.508	ng	
33) 4-Chloroaniline	10.95	127	91852	6.642	ng	94
34) Hexachlorobutadiene	11.15	225	36132	6.191	ng	93
35) Caprolactam	11.68	113	22509	6.572	ng	# 86
36) 4-Chloro-3-methylphenol	12.07	107	67449	6.564	ng	99
37) 2-Methylnaphthalene	12.46	142	160122	7.279	ng	99
38) 1-Methylnaphthalene	12.67	142	150637	7.256	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.82	216	70873	7.278	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.82	237	39712	6.872	nq	96
43) 2,4,6-Trichlorophenol	13.06	196	43290	6.573	nq	88
44) 2,4,5-Trichlorophenol	13.13	196	47177	6.335	nq	92
46) 1,1'-Biphenyl	13.46	154	201530	7.755	nq	95
47) 2-Chloronaphthalene	13.50	162	143221	6.985	nq	96
48) 2-Nitroaniline	13.69	65	39456	8.222	nq	94
49) Acenaphthylene	14.34	152	245631	7.425	nq	96
50) Dimethylphthalate	14.08	163	177447	6.844	nq	99
51) 2,6-Dinitrotoluene	14.19	165	29764	7.399	nq	95
52) Acenaphthene	14.69	154	143887	6.895	nq	95
53) 3-Nitroaniline	14.51	138	35097	7.040	nq	92
54) 2,4-Dinitrophenol	14.72	184	6857	4.832	nq	# 72
55) Dibenzofuran	15.02	168	218369	7.139	nq	95
56) 4-Nitrophenol	14.81	139	27573	6.528	nq	96
57) 2,4-Dinitrotoluene	14.97	165	37222	7.488	nq	# 88
58) Fluorene	15.67	166	179028	7.135	nq	98
59) 2,3,4,6-Tetrachlorophenol	15.25	232	38419	6.682	nq	89
60) Diethylphthalate	15.45	149	184667	6.792	nq	93
61) 4-Chlorophenyl-phenylether	15.67	204	84391	6.760	nq	98
62) 4-Nitroaniline	15.67	138	39671	7.403	nq	95
63) Azobenzene	15.96	77	211367	7.243	nq	98
65) 4,6-Dinitro-2-methylphenol	15.74	198	11956	5.863	nq	88
66) n-Nitrosodiphenylamine	15.88	169	157035	7.278	nq	96
67) 4-Bromophenyl-phenylether	16.56	248	49824	6.407	nq	97
68) Hexachlorobenzene	16.68	284	52942	6.784	nq	98
69) Atrazine	16.83	200	51163	8.020	nq	94
70) Pentachlorophenol	17.02	266	23765	5.477	nq	99
71) Phenanthrene	17.41	178	269925	7.333	nq	96
72) Anthracene	17.50	178	277870	7.438	nq	95
73) Carbazole	17.76	167	263527	7.038	nq	95
74) Di-n-butylphthalate	18.34	149	317234	7.011	nq	# 94
75) Fluoranthene	19.42	202	318171	7.477	nq	94
77) Benzidine	19.59	184	171907	9.024	nq	100
78) Pyrene	19.78	202	328988	7.234	nq	94
80) Butylbenzylphthalate	20.68	149	134122	6.241	nq	97
81) Benzo(a)anthracene	21.60	228	312997	7.145	nq	93
82) 3,3'-Dichlorobenzidine	21.52	252	117696	7.271	nq	98
83) Chrysene	21.67	228	295914	7.090	nq	96
84) Bis(2-ethylhexyl)phthalate	21.55	149	209439	6.714	nq	# 95
85) Di-n-octyl phthalate	22.75	149	344495	6.363	nq	98
87) Indeno(1,2,3-cd)pyrene	28.35	276	335222	6.779	nq	98
88) Benzo(b)fluoranthene	23.78	252	306052	7.133	nq	98
89) Benzo(k)fluoranthene	23.85	252	302414	7.454	nq	100
90) Benzo(a)pyrene	24.63	252	275111	6.819	nq	99
91) Dibenzo(a,h)anthracene	28.42	278	279309	7.003	nq	97
92) Benzo(g,h,i)perylene	29.46	276	281540	7.015	nq	97

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

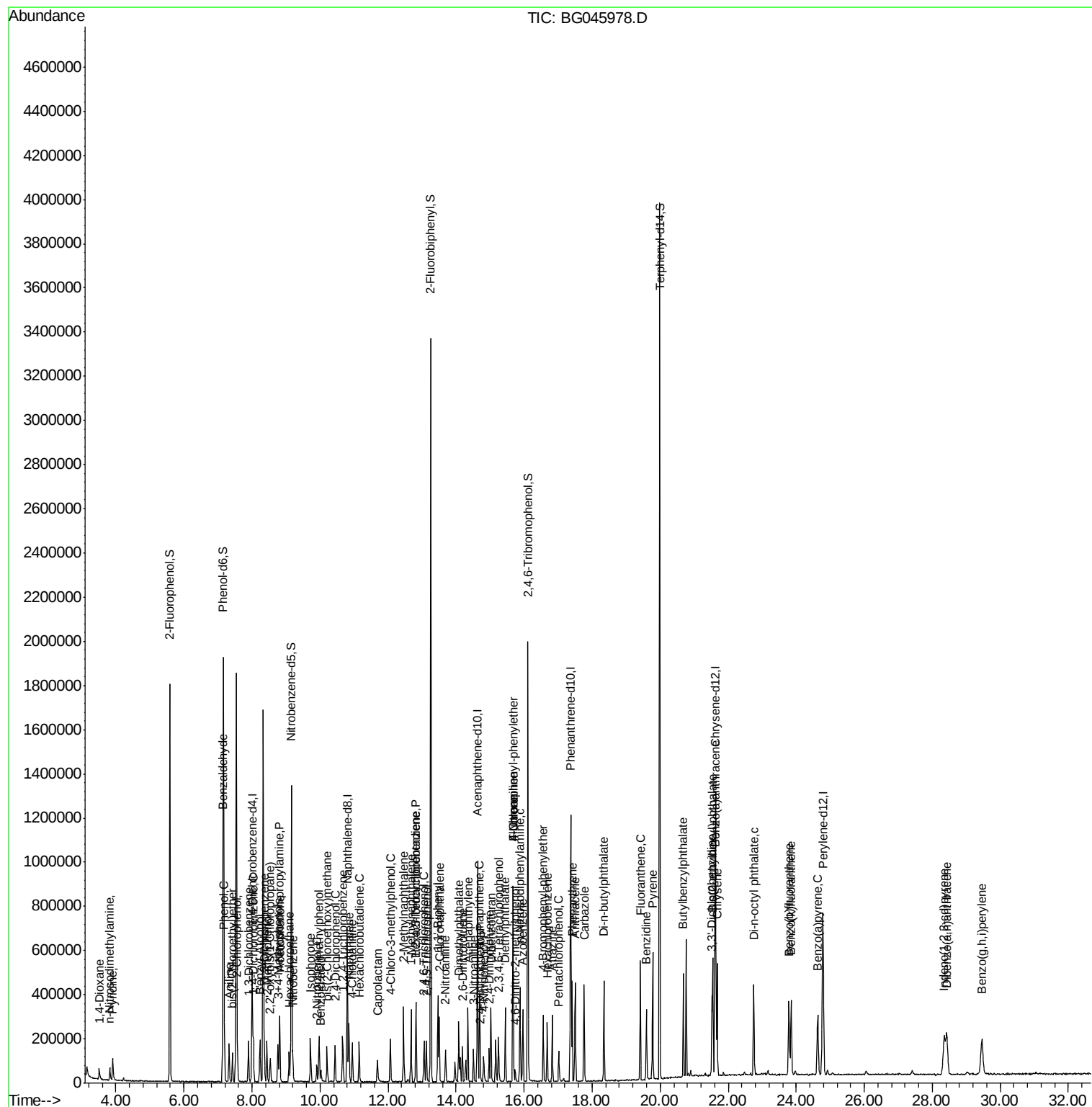
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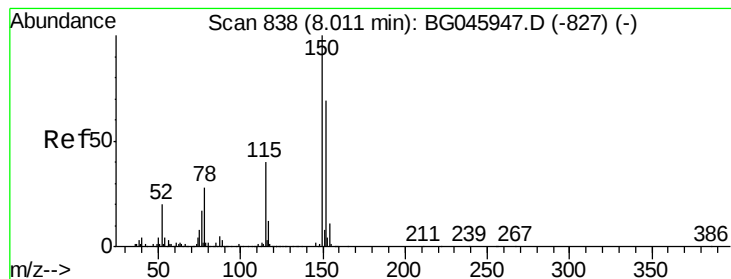
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

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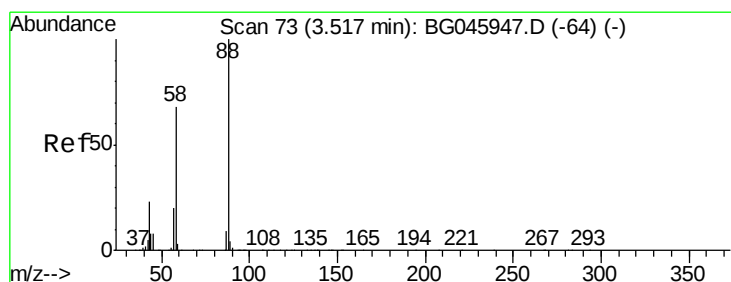
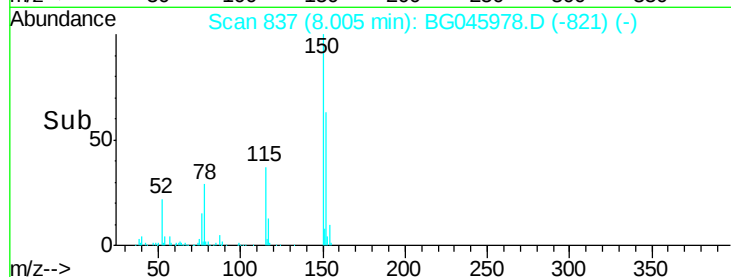
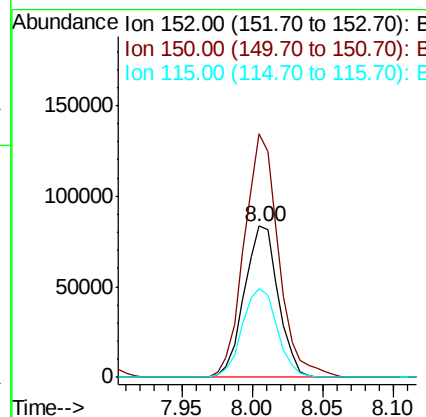
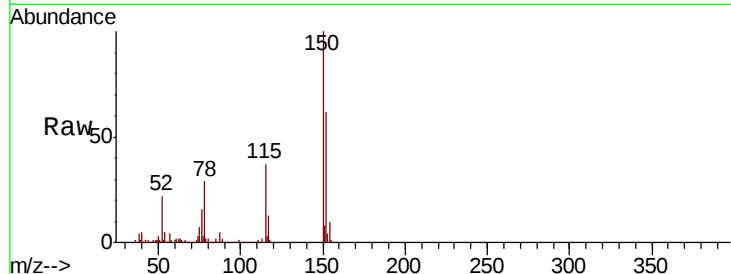
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.00 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BG045978.D
 Acq: 8 Jul 2020 12:52

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.9	116.7	175.1
115	59.0	47.4	71.0

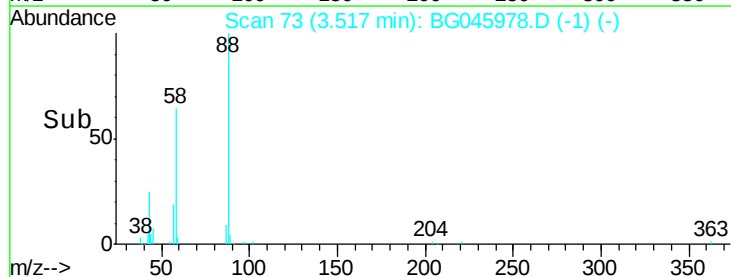
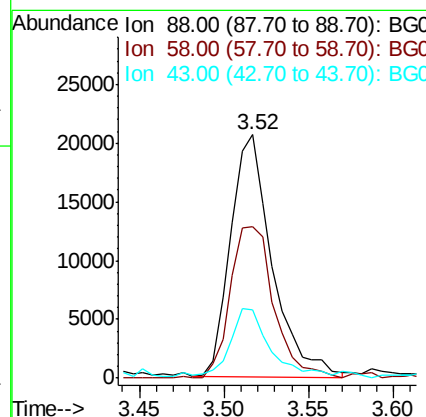
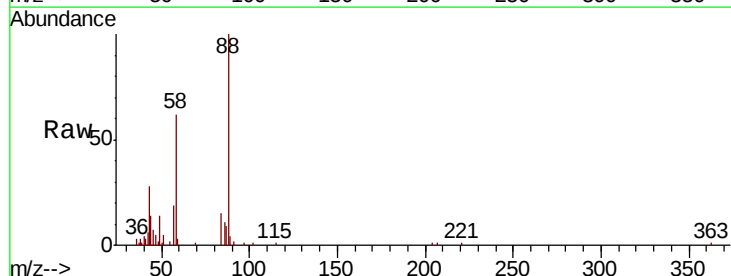
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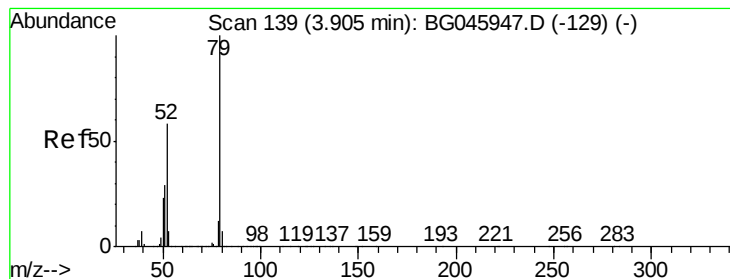
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#2
 1,4-Dioxane
 Concen: 8.823 ng
 RT: 3.52 min Scan# 73
 Delta R.T. -0.00 min
 Lab File: BG045978.D
 Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.0	55.2	82.8
43	26.3	19.4	29.0





#3

Pvridine

Concen: 6.112 ng

RT: 3.90 min Scan# 139

Delta R.T. 0.00 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

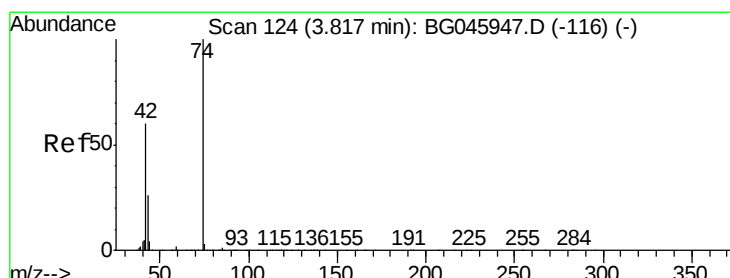
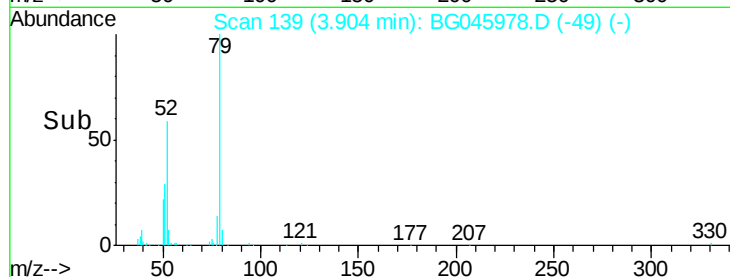
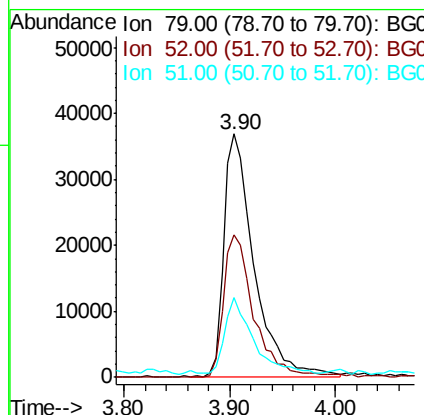
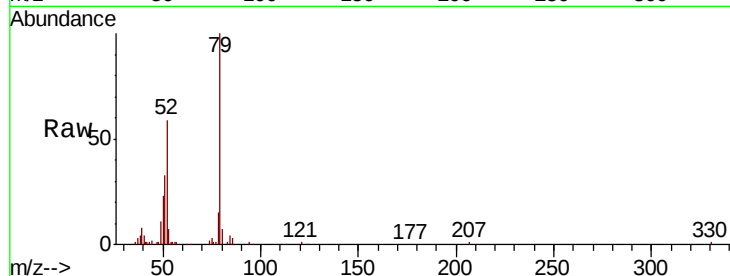
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	79	Resp:	73659
Ion	Ratio	Lower	Upper
79	100		
52	58.7	46.5	69.7
51	32.8	23.5	35.3

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#4

n-Nitrosodimethylamine

Concen: 8.007 ng

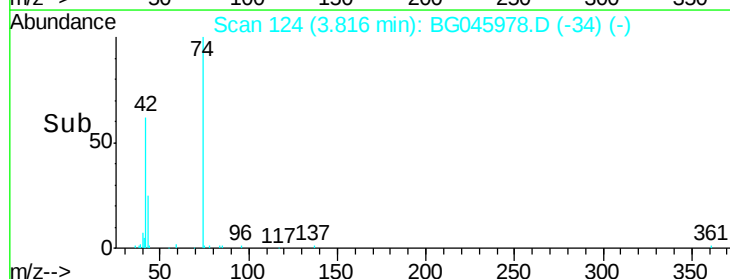
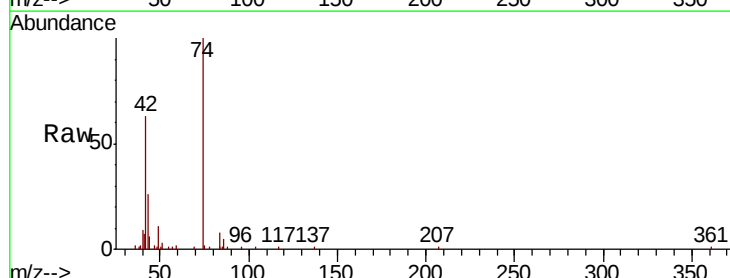
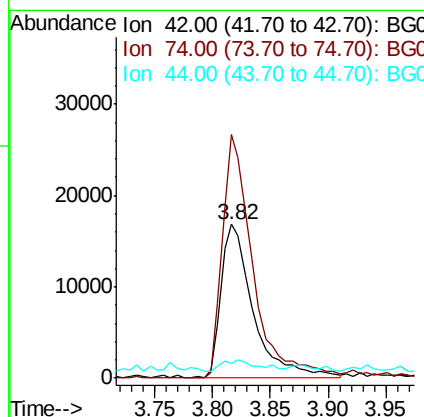
RT: 3.82 min Scan# 124

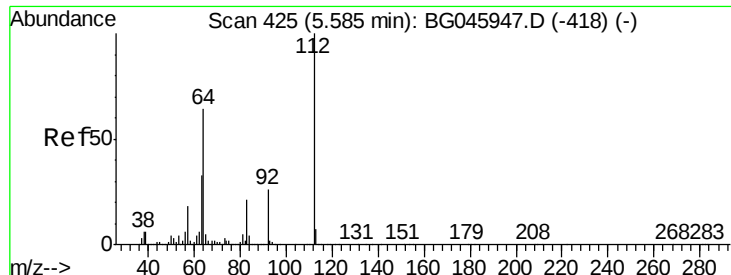
Delta R.T. -0.00 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Tgt Ion:	42	Resp:	32630
Ion	Ratio	Lower	Upper
42	100		
74	158.6	131.9	197.9
44	9.8	7.7	11.5





#5

2-Fluorophenol

Concen: 93.683 ng

RT: 5.58 min Scan# 425

Delta R.T. 0.00 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

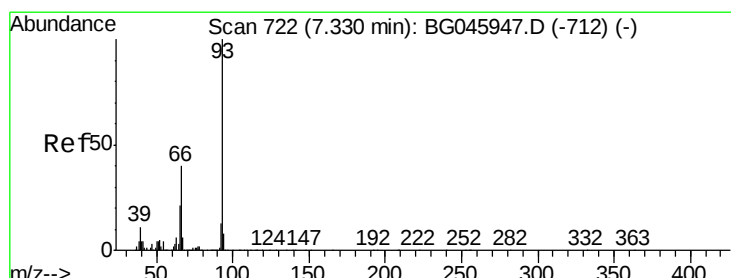
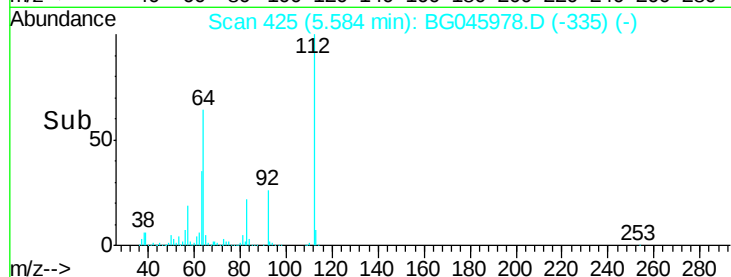
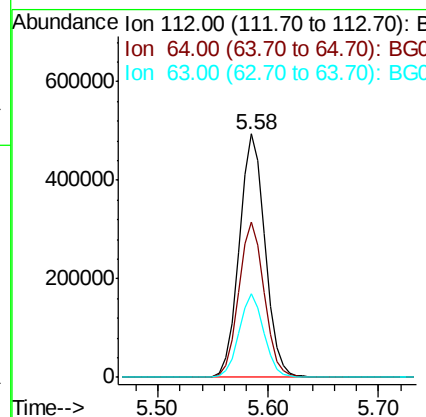
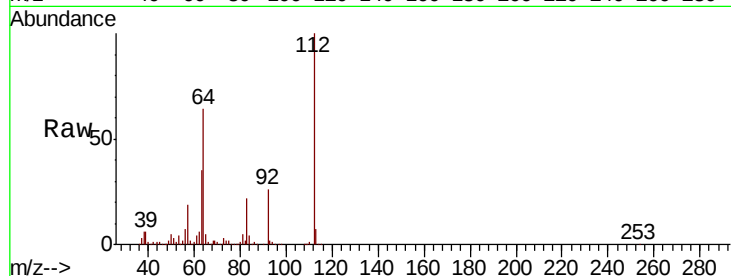
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	112	Resp:	809382
Ion Ratio	Lower	Upper	
112	100		
64	63.7	51.4	77.2
63	34.5	26.6	40.0

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#6

Aniline

Concen: 7.269 ng

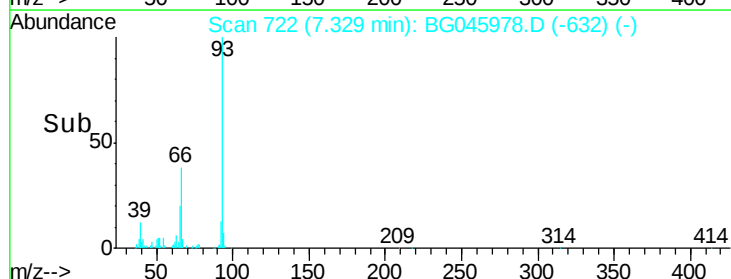
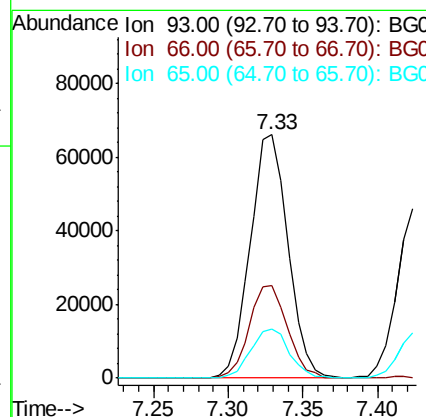
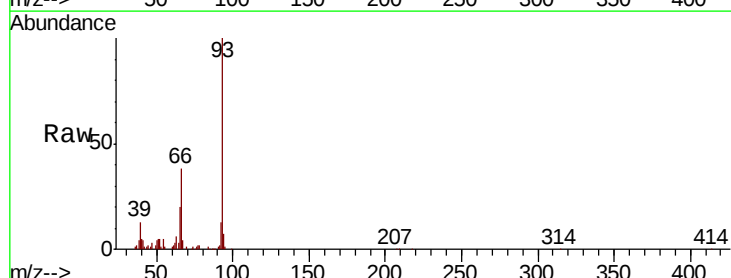
RT: 7.33 min Scan# 722

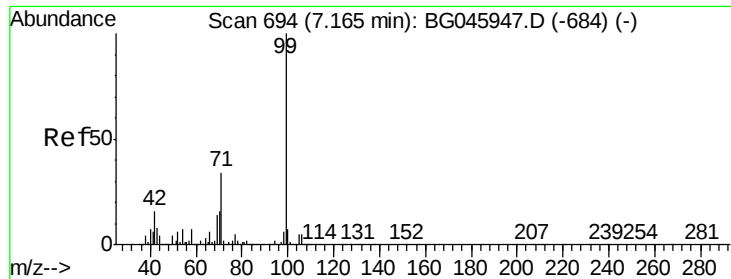
Delta R.T. -0.00 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Tgt Ion:	93	Resp:	115668
Ion Ratio	Lower	Upper	
93	100		
66	38.1	32.3	48.5
65	20.2	16.6	25.0





#7

Phenol-d6

Concen: 95.685 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 99 Resp: 1190176

Ion Ratio Lower Upper

99 100

42 16.6 13.0 19.4

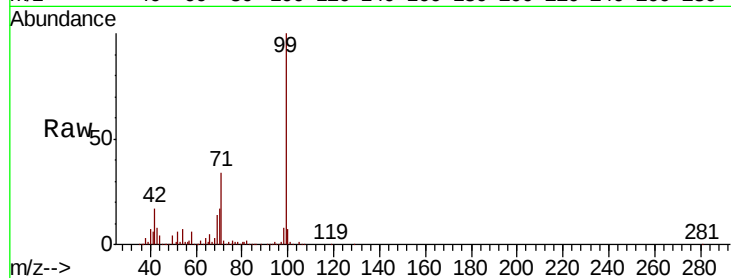
71 34.0 27.5 41.3

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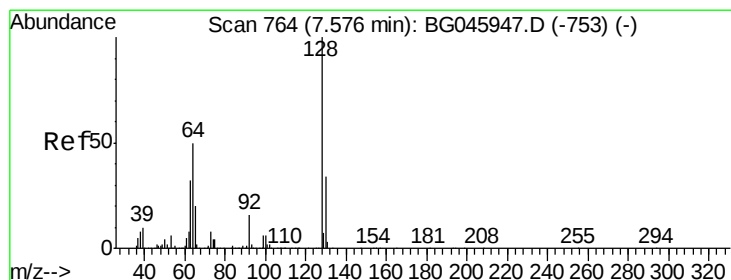
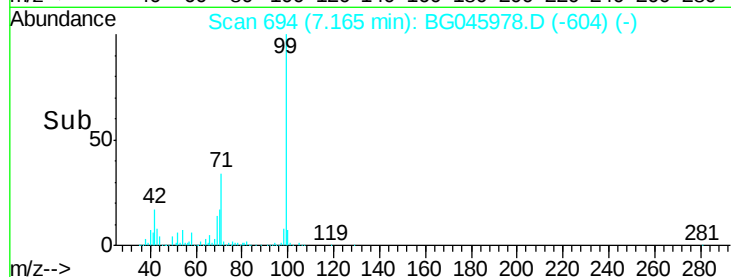
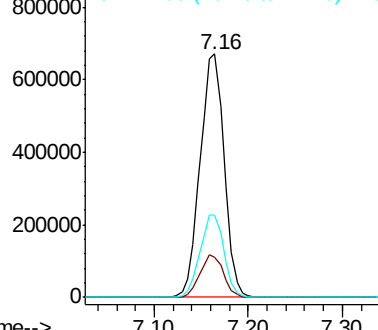
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Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 7.022 ng

RT: 7.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

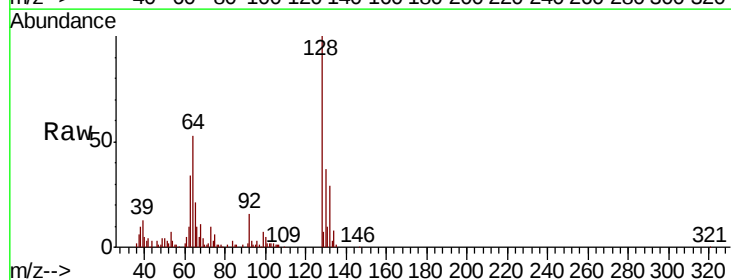
Tgt Ion: 128 Resp: 65310

Ion Ratio Lower Upper

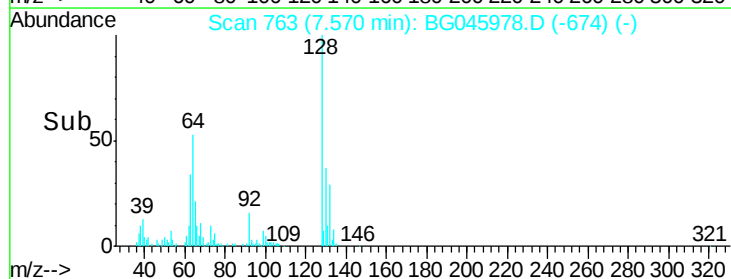
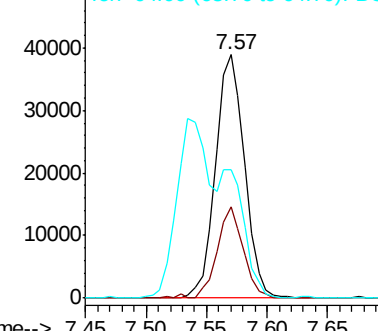
128 100

130 37.3 13.6 53.6

64 53.0 30.6 70.6



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





#9

Benzaldehyde

Concen: 9.787 ng

RT: 7.14 min Scan# 690

Delta R.T. 0.00 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

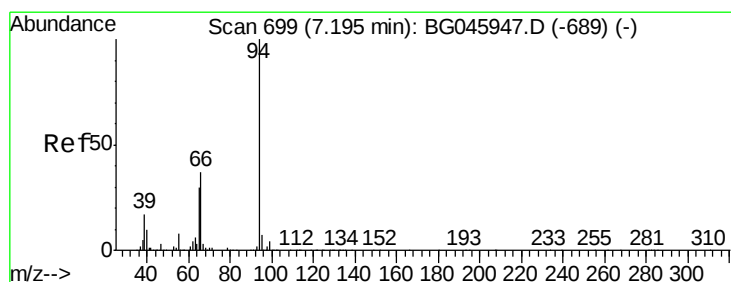
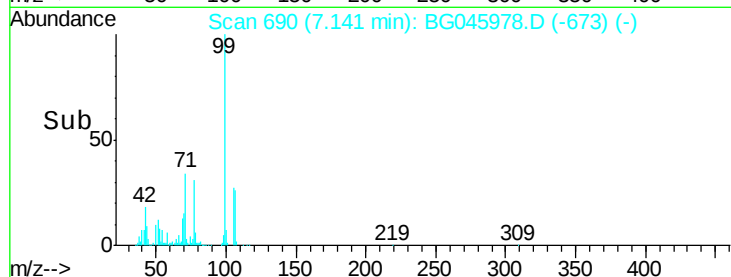
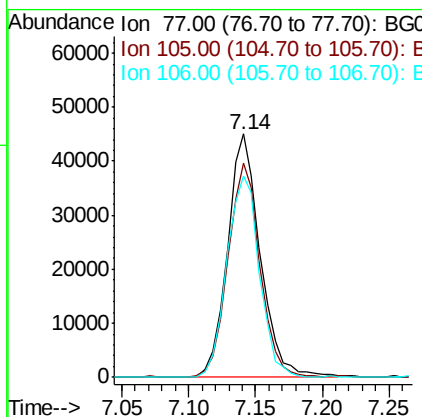
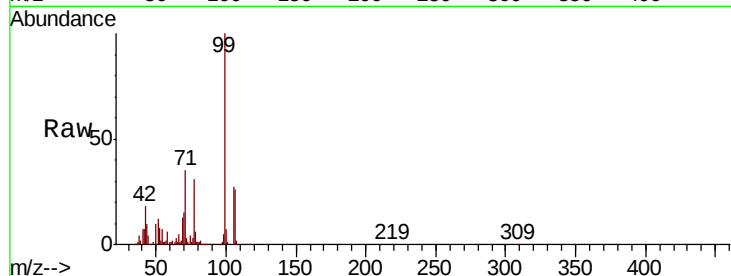
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
77	100		
105	87.8	66.0	106.0
106	82.8	67.7	107.7

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#10

Phenol

Concen: 7.122 ng

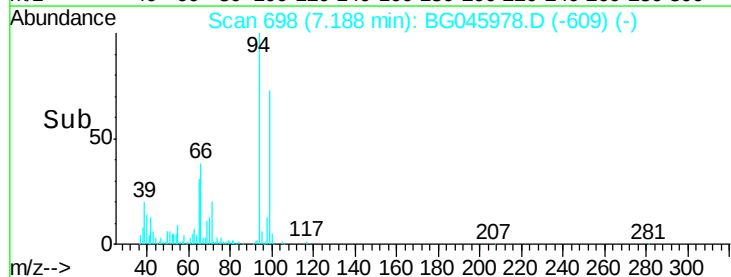
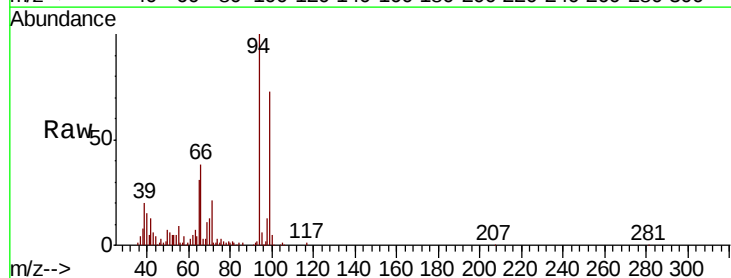
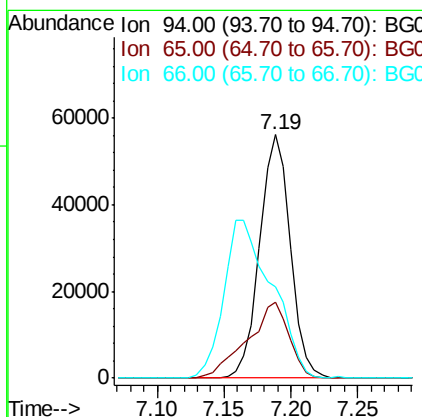
RT: 7.19 min Scan# 698

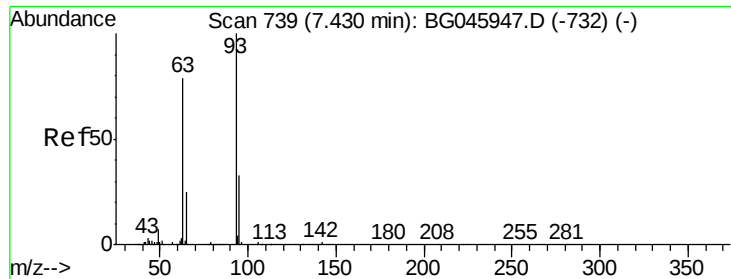
Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
94	100		
65	31.2	10.6	50.6
66	37.6	17.1	57.1





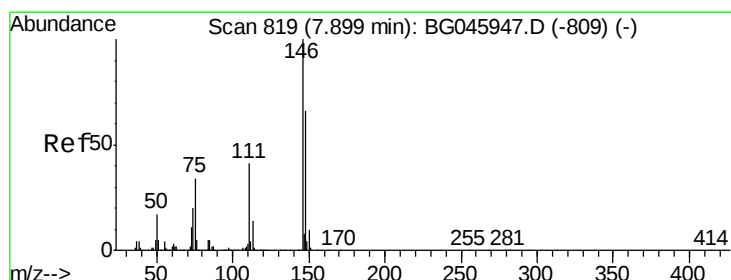
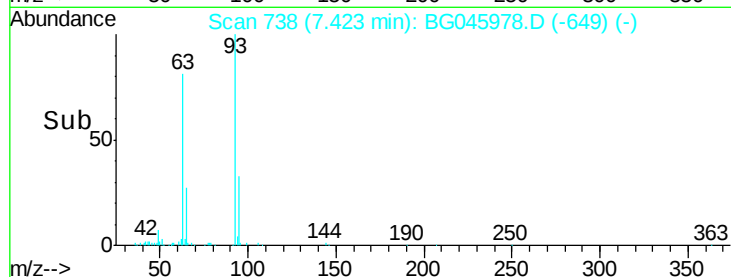
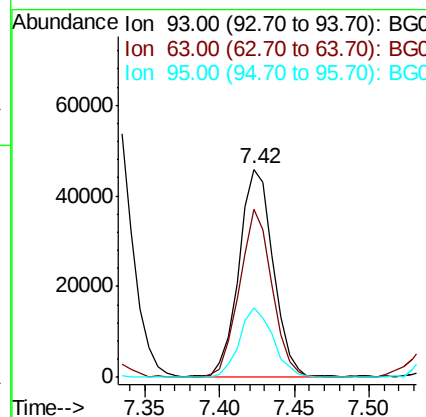
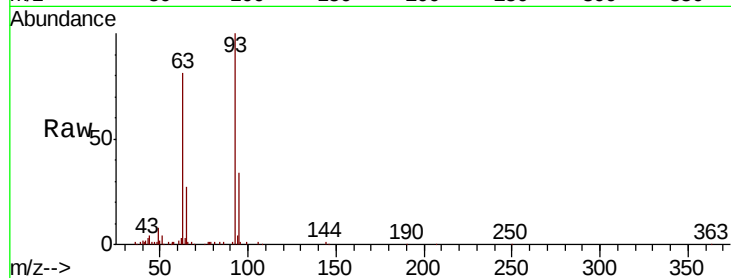
#11
bis(2-Chloroethyl)ether
Concen: 7.070 ng
RT: 7.42 min Scan# 738
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

Tot Ion	Ratio	Lower	Upper
93	100		
63	80.7	58.6	98.6
95	33.5	13.3	53.3

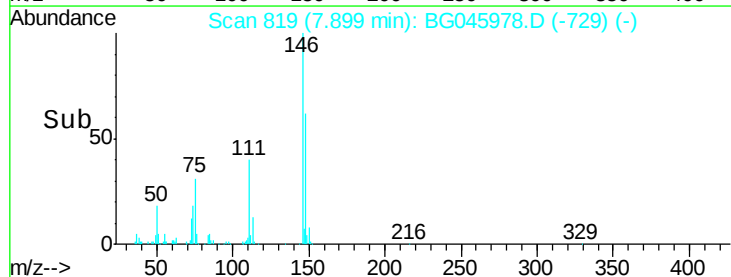
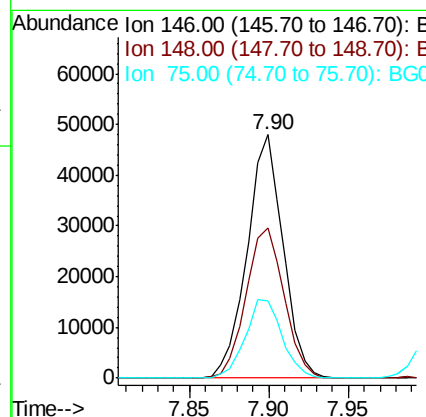
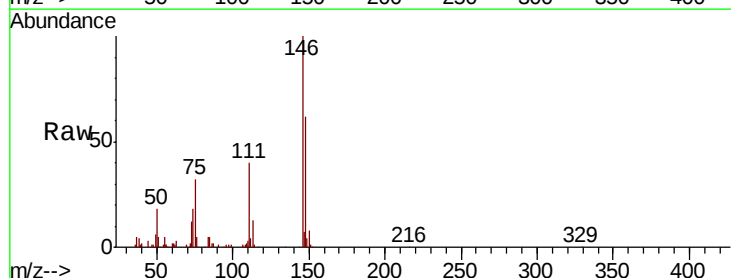
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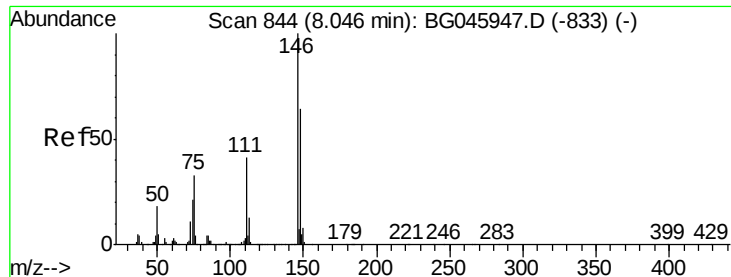
mohammad
7/10/2020 11:45:39 AM



#12
1,3-Dichlorobenzene
Concen: 7.043 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.9	52.8	79.2
75	31.8	27.2	40.8





#13

1,4-Dichlorobenzene

Concen: 7.286 ng

RT: 8.04 min Scan# 843

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

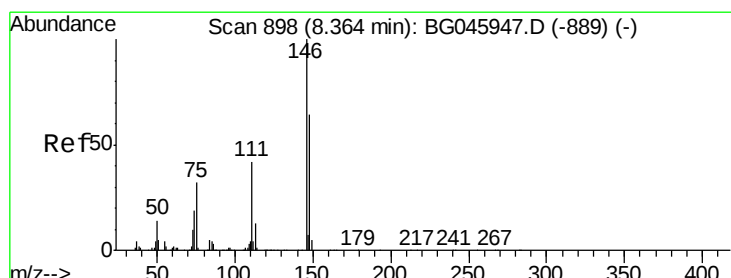
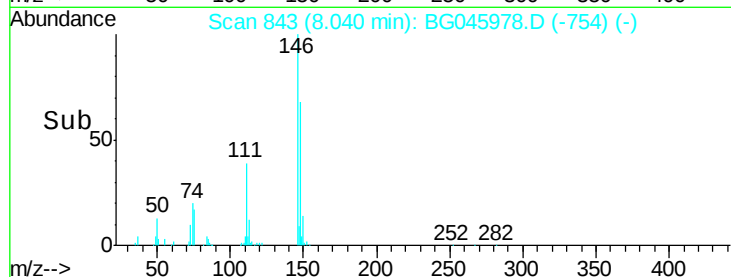
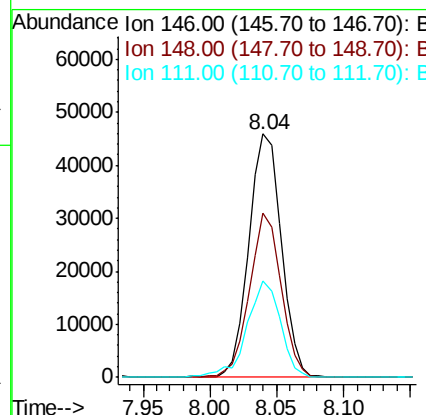
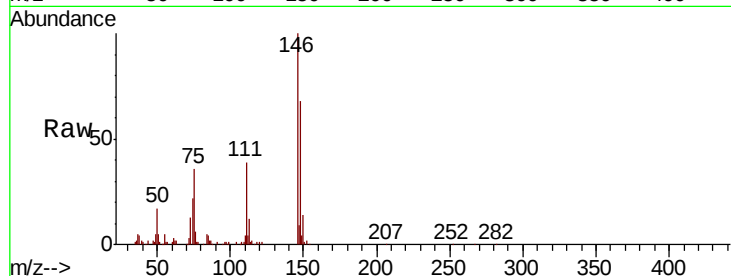
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	146	Resp:	76833
Ion Ratio	Lower	Upper	
146	100		
148	67.7	51.7	77.5
111	39.4	33.3	49.9

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#14

1,2-Dichlorobenzene

Concen: 6.967 ng

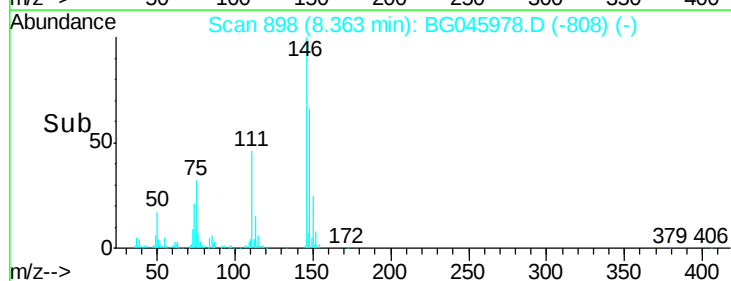
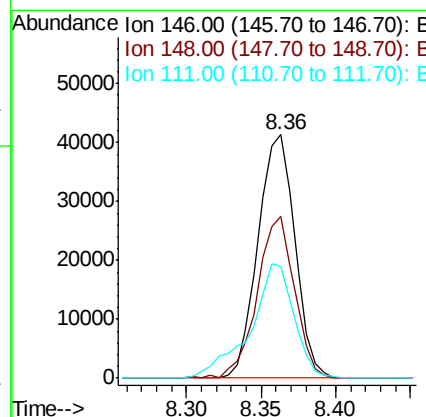
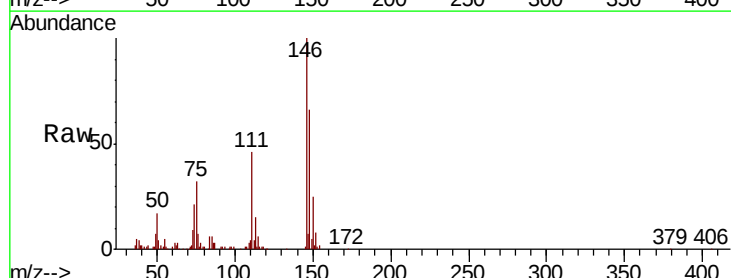
RT: 8.36 min Scan# 898

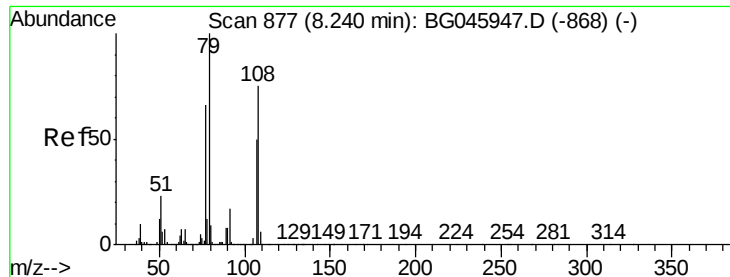
Delta R.T. -0.00 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Tgt Ion:	146	Resp:	70706
Ion Ratio	Lower	Upper	
146	100		
148	66.2	51.6	77.4
111	46.0	34.0	51.0





#15

Benzyl Alcohol

Concen: 6.861 ng

RT: 8.23 min Scan# 876

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

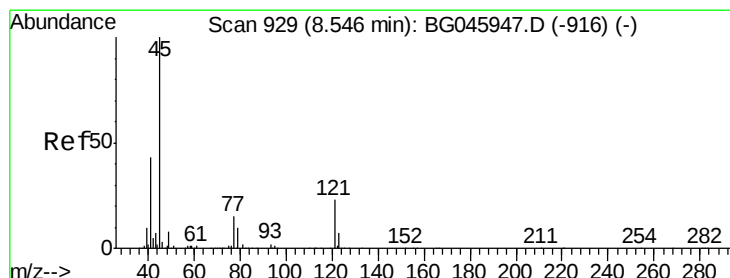
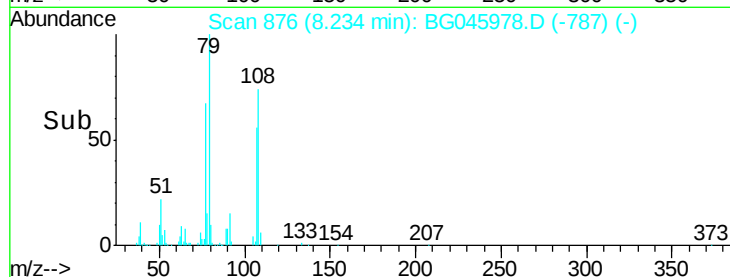
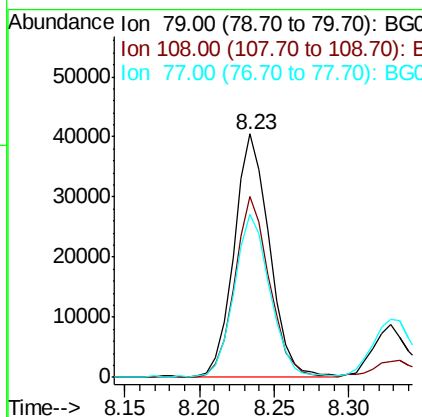
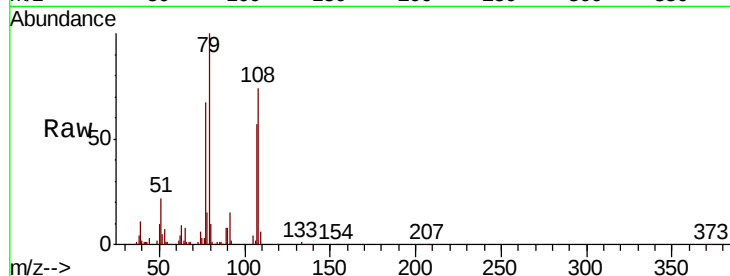
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	79	Resp:	66918
Ion Ratio	Lower	Upper	
79	100		
108	74.4	60.2	90.4
77	67.0	52.9	79.3

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 6.798 ng

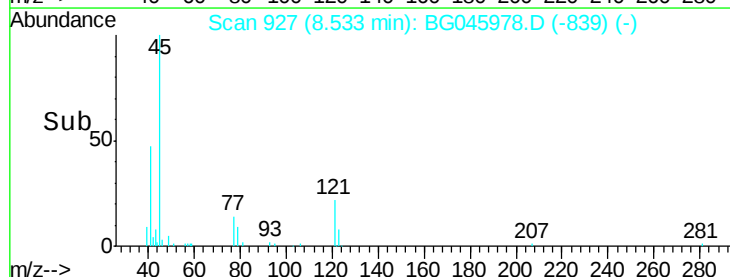
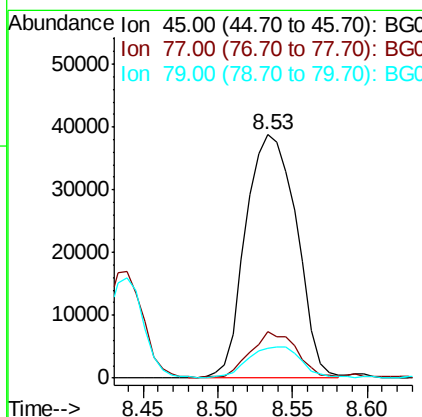
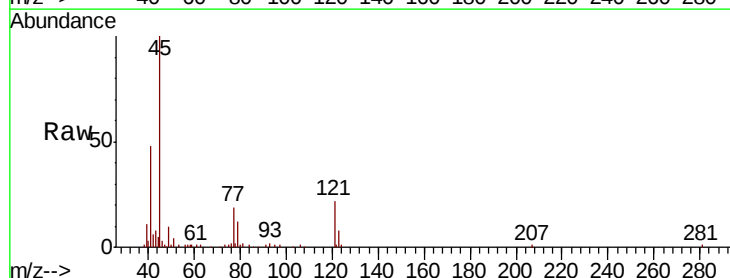
RT: 8.53 min Scan# 927

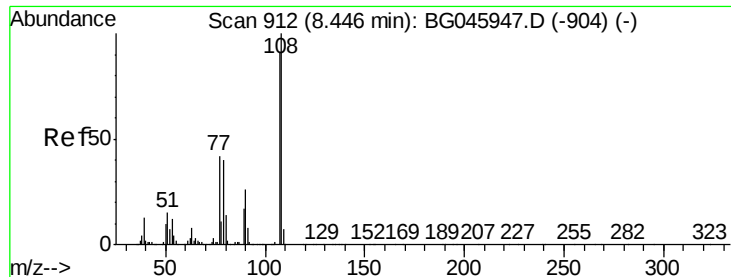
Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Tgt Ion:	45	Resp:	91507
Ion Ratio	Lower	Upper	
45	100		
77	19.0	0.0	37.6
79	12.5	0.0	32.6





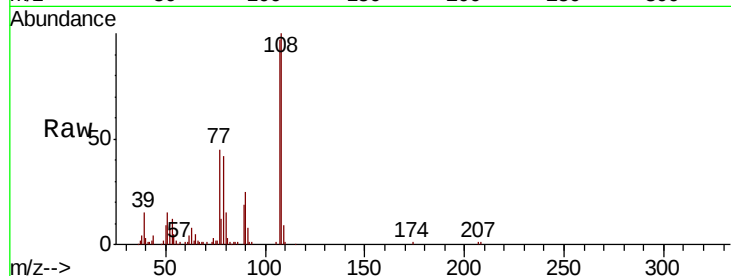
#17
2-Methylphenol
Concen: 6.317 ng
RT: 8.44 min Scan# 911
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

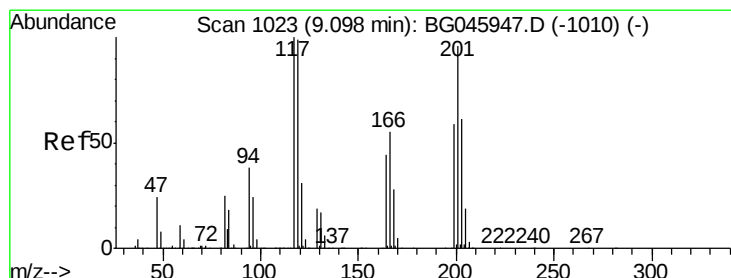
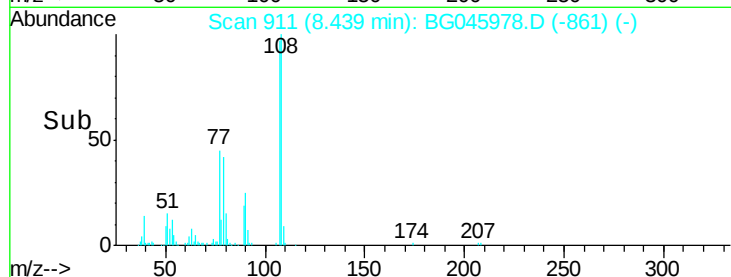
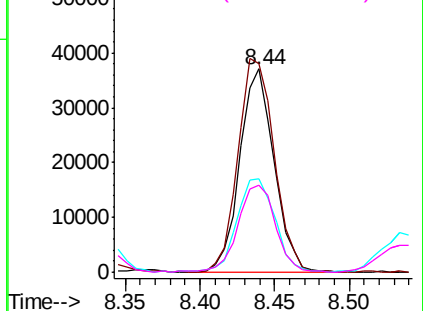
Tot Ion:	107	Resp:	59140
Ion Ratio	Lower	Upper	
107	100		
108	102.8	88.2	132.4
77	46.0	37.0	55.4
79	42.9	35.4	53.0

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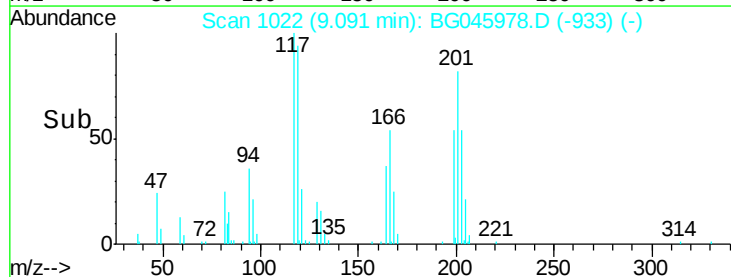
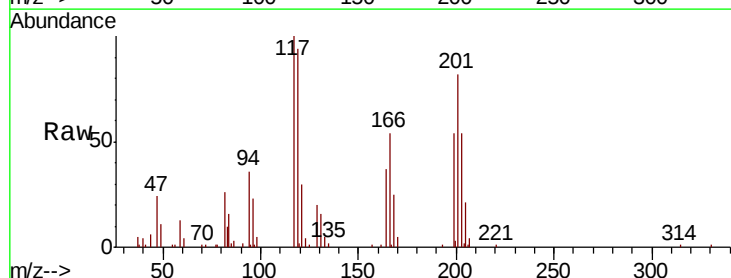
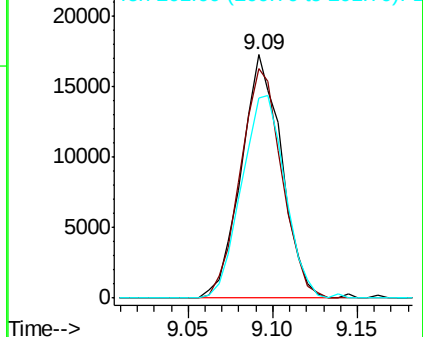
Abundance Ion 107.00 (106.70 to 107.70): E
60000 Ion 108.00 (107.70 to 108.70): E
50000 Ion 77.00 (76.70 to 77.70): BGC
40000 Ion 79.00 (78.70 to 79.70): BGC

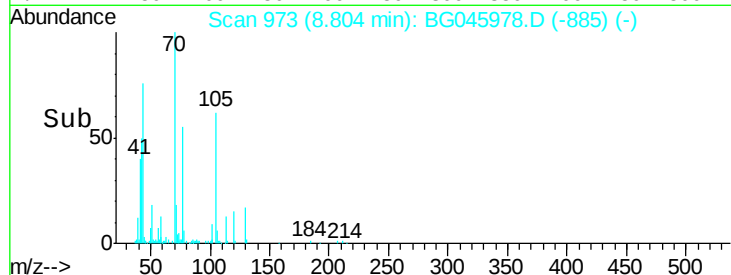
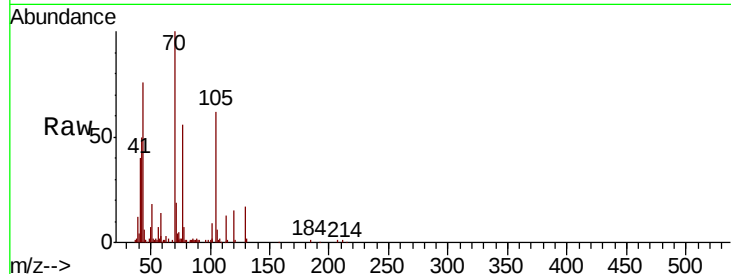
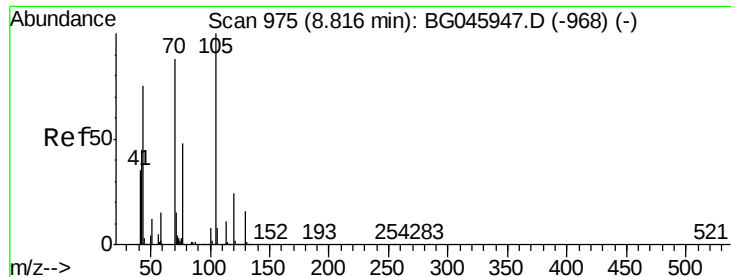


#18
Hexachloroethane
Concen: 7.066 ng
RT: 9.09 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion:	117	Resp:	28672
Ion Ratio	Lower	Upper	
117	100		
119	94.2	79.5	119.3
201	82.2	77.0	115.4

Abundance Ion 117.00 (116.70 to 117.70): E
20000 Ion 119.00 (118.70 to 119.70): E
15000 Ion 201.00 (200.70 to 201.70): E





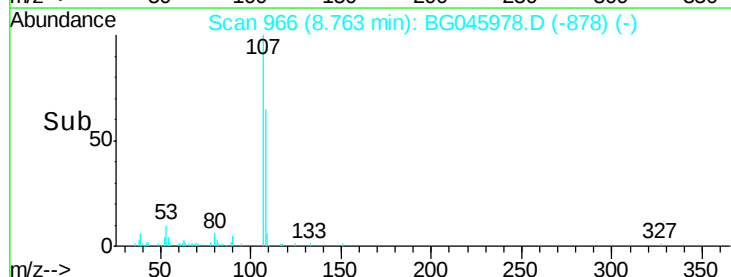
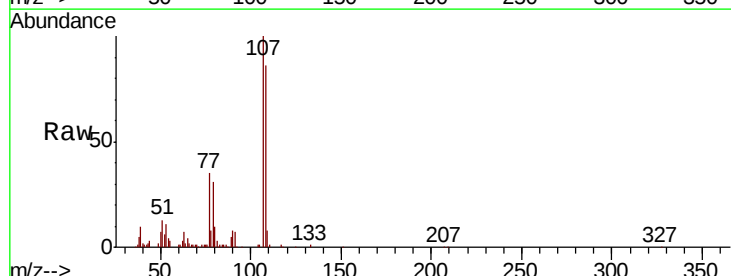
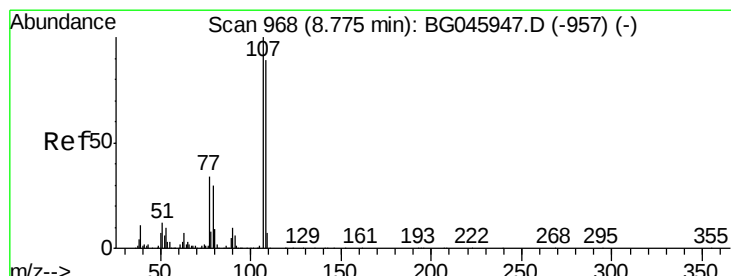
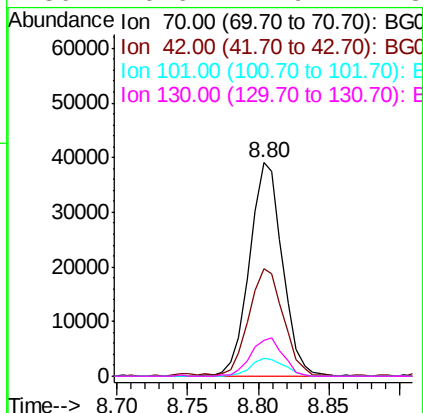
#19
n-Nitroso-di-n-propylamine
Concen: 7.330 ng
RT: 8.80 min Scan# 973
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

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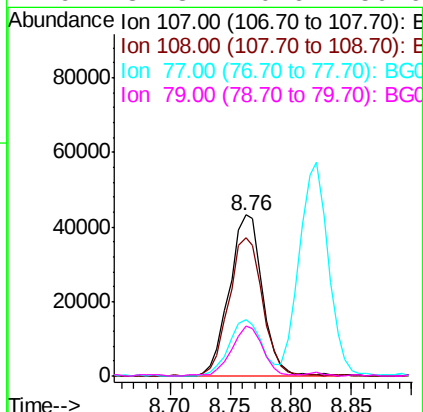
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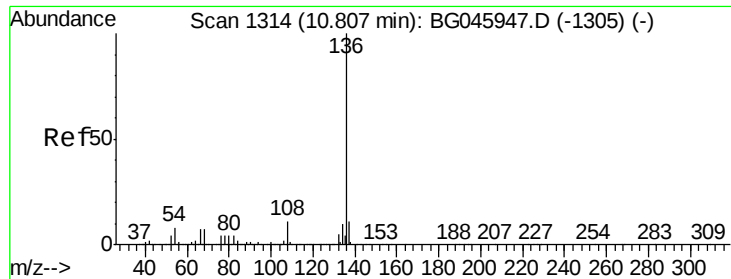
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	50.4	41.4	62.0	
101	8.5	7.1	10.7	
130	16.6	14.9	22.3	



#20
3+4-Methylphenols
Concen: 6.471 ng
RT: 8.76 min Scan# 966
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	85.7	68.7	108.7	
77	35.3	14.6	54.6	
79	31.3	10.6	50.6	





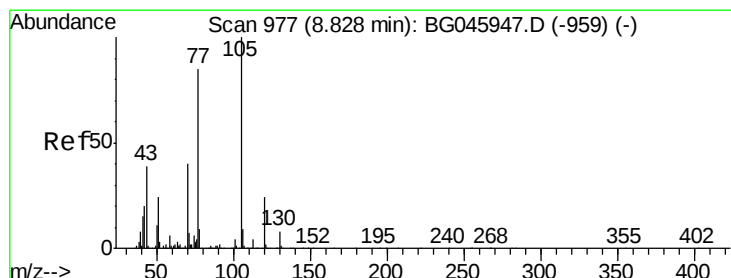
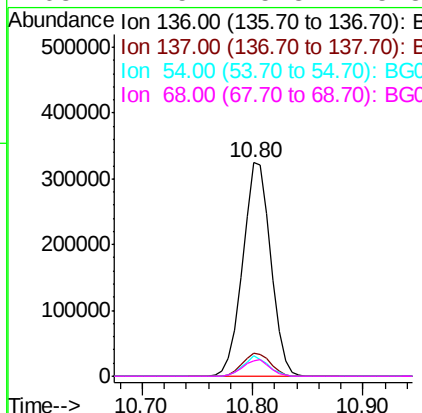
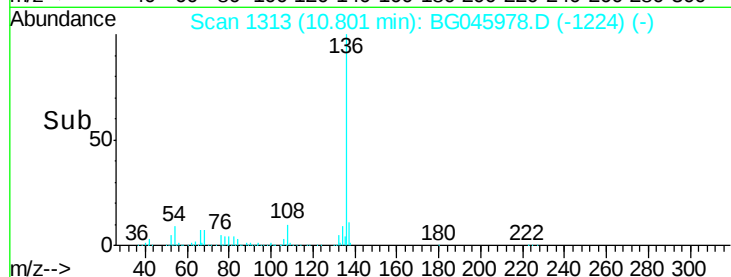
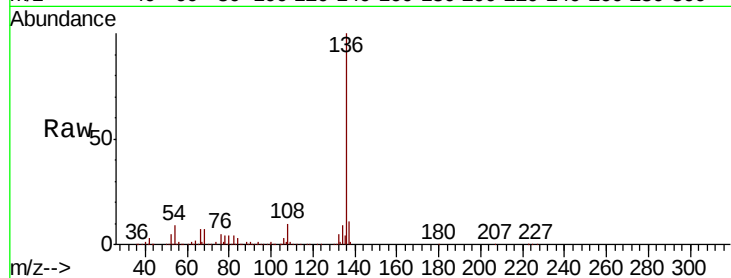
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100	577257		
137	10.9	9.2	13.8	
54	9.4	6.2	9.4#	
68	7.5	5.8	8.8	

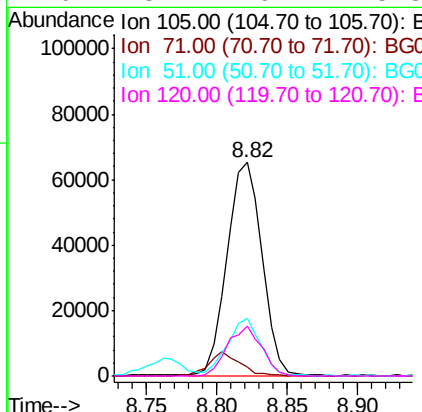
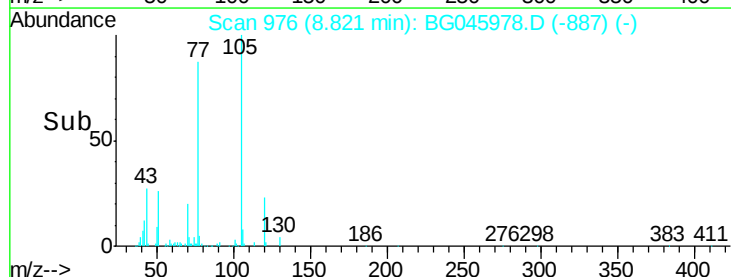
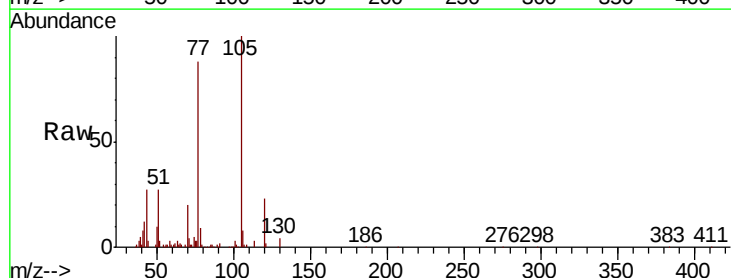
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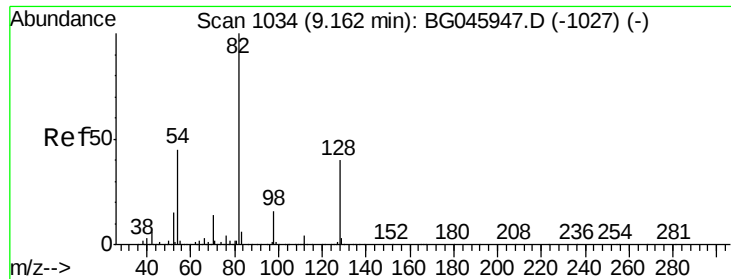
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#22
Acetophenone
Concen: 7.326 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	112984		
71	4.1	6.2	9.2#	
51	26.7	19.7	29.5	
120	23.1	19.2	28.8	





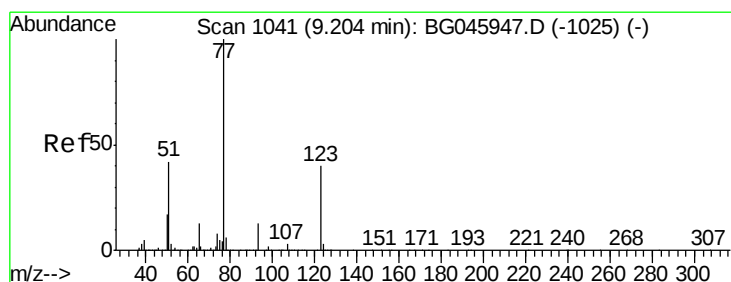
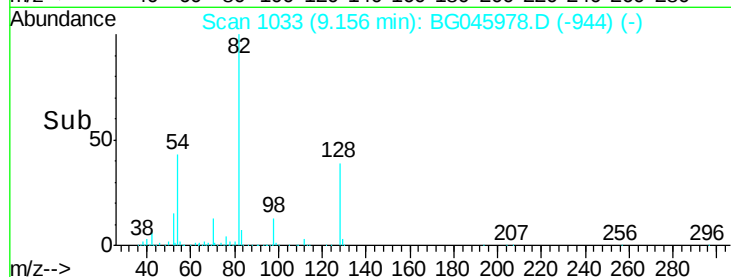
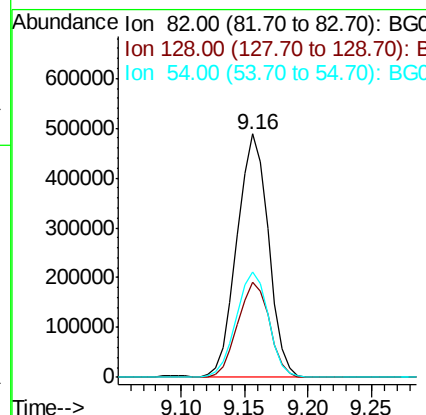
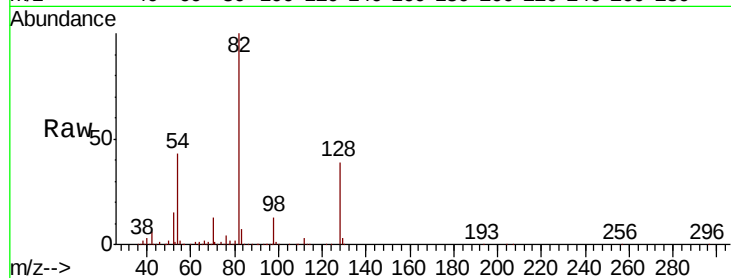
#23
 Nitrobenzene-d5
 Concen: 83.656 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BG045978.D
 Acq: 8 Jul 2020 12:52

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.3	32.2	48.4
54	43.2	35.8	53.6

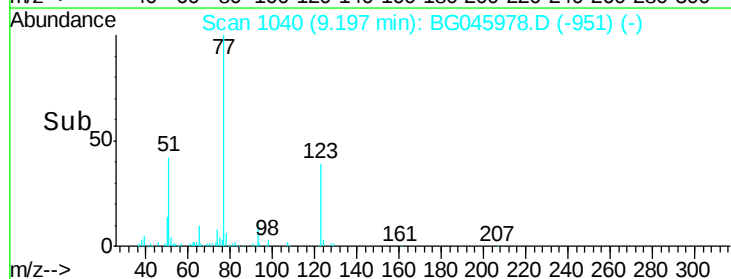
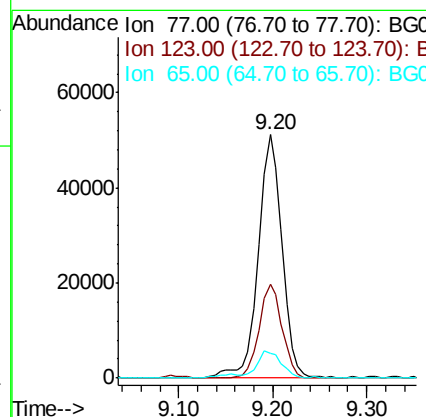
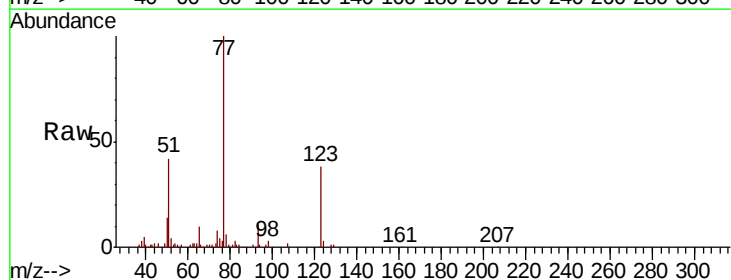
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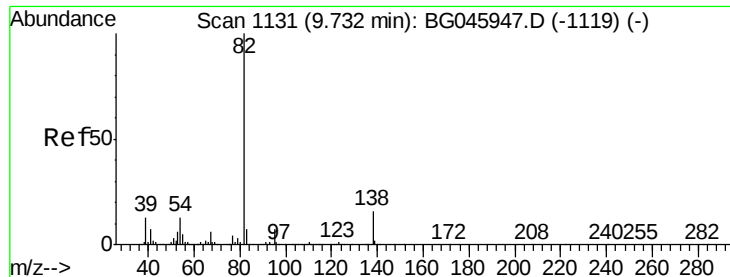
mohammad
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#24
 Nitrobenzene
 Concen: 8.119 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BG045978.D
 Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
77	100		
123	38.5	32.7	49.1
65	10.2	10.2	15.4#





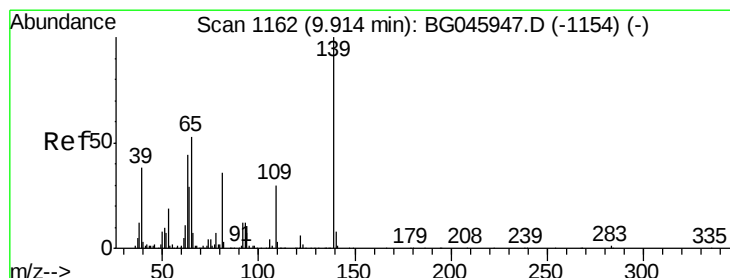
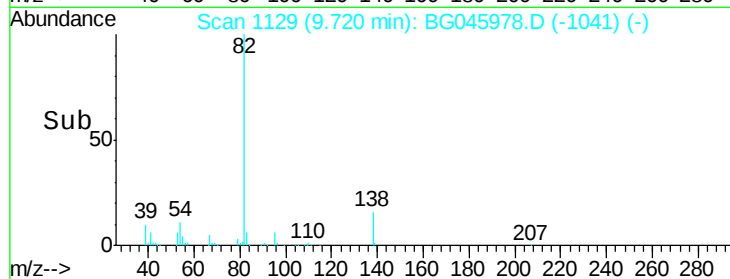
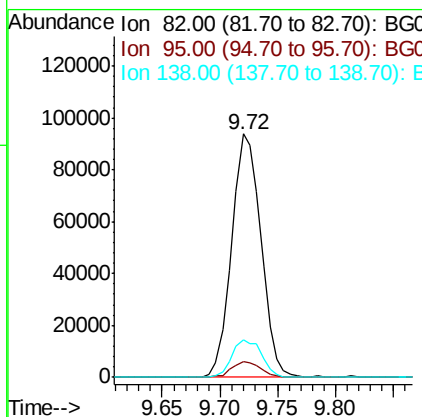
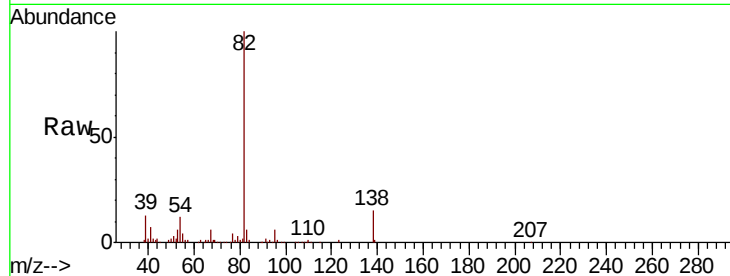
#25
Isophorone
Concen: 6.746 ng
RT: 9.72 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100	165157		
95	6.5		5.8	8.6
138	15.4		12.9	19.3

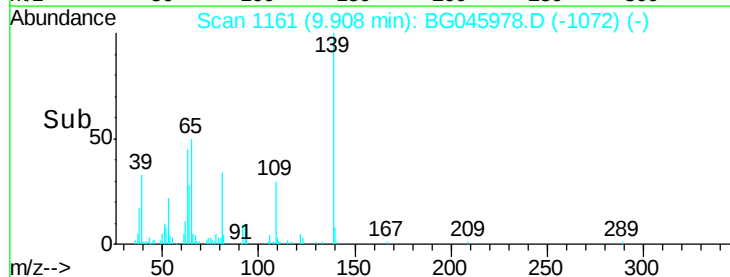
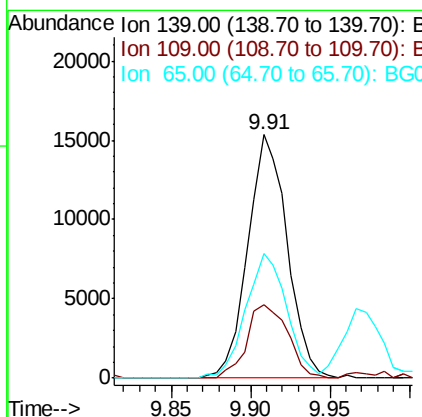
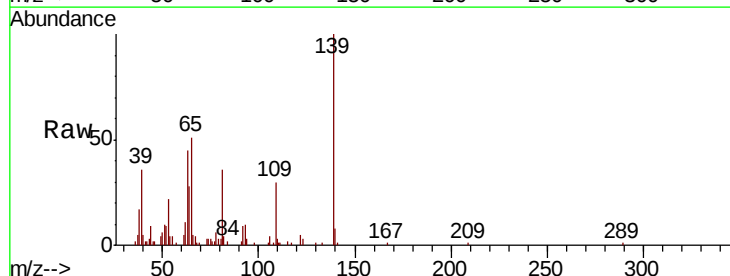
Manual Integrations
APPROVED

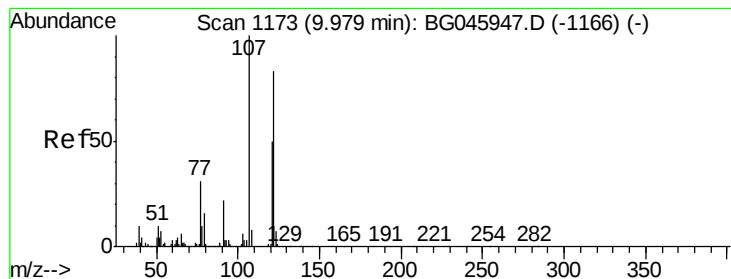
mohammad
7/10/2020 11:45:39 AM



#26
2-Nitrophenol
Concen: 7.330 ng
RT: 9.91 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	26446		
109	30.3		24.6	37.0
65	51.1		42.6	64.0





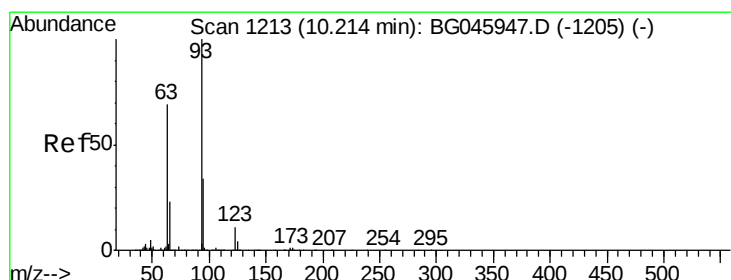
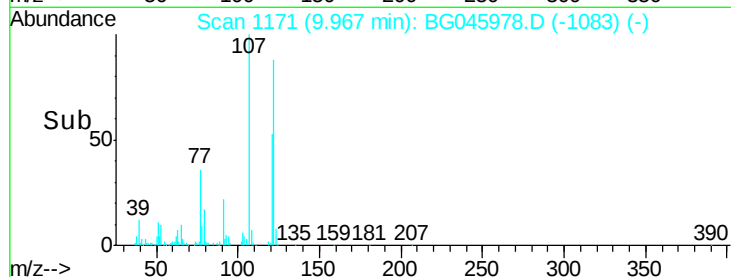
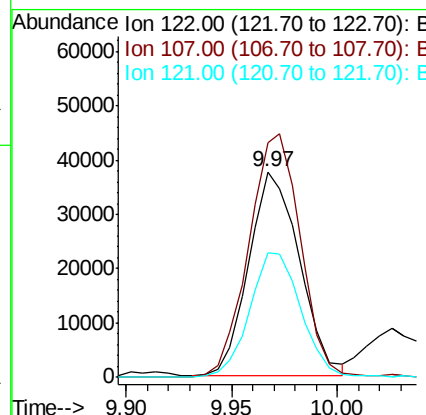
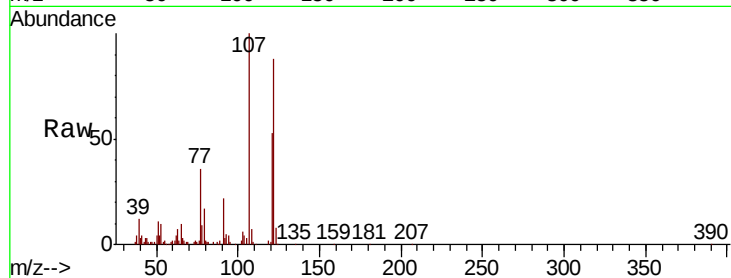
#27
2,4-Dimethylphenol
Concen: 7.232 ng
RT: 9.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

Tot Ion	Ratio	Lower	Upper
122	100		
107	114.2	95.6	143.4
121	60.5	47.7	71.5

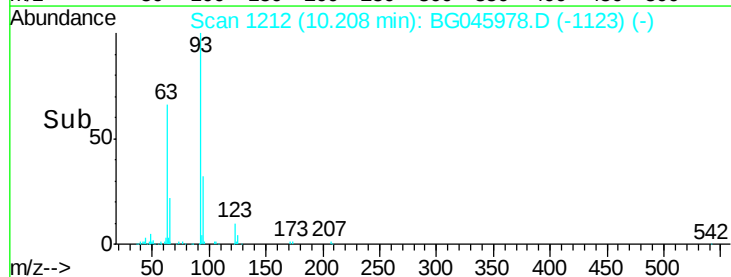
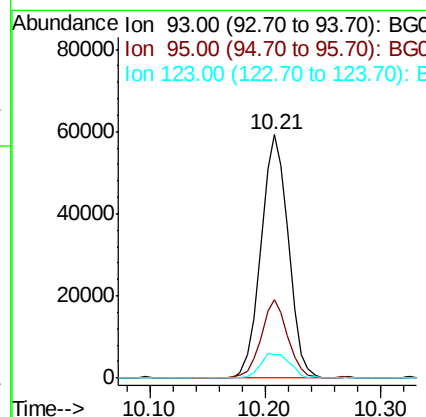
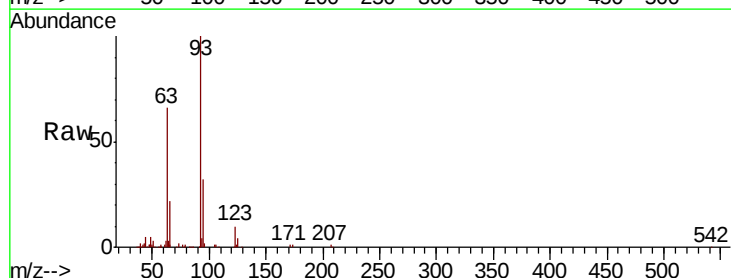
Manual Integrations
APPROVED

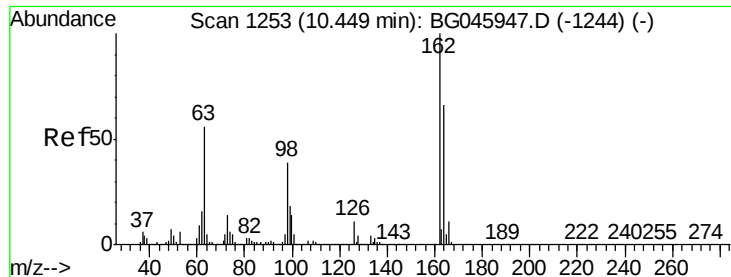
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 7.147 ng
RT: 10.21 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.1	27.5	41.3
123	9.9	9.2	13.8





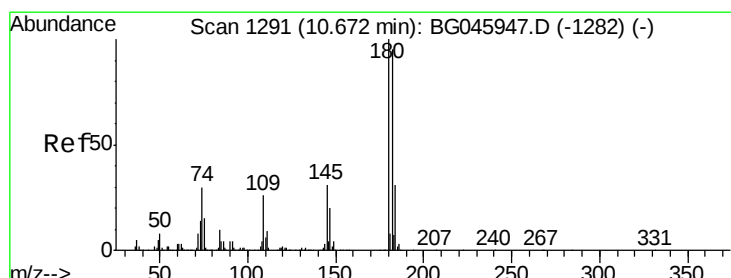
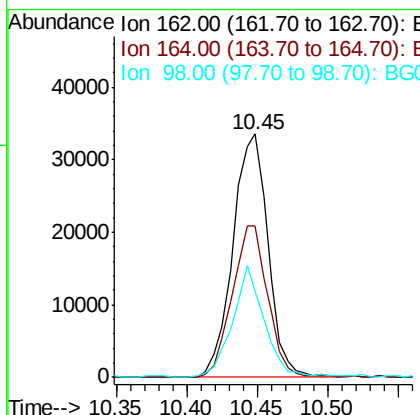
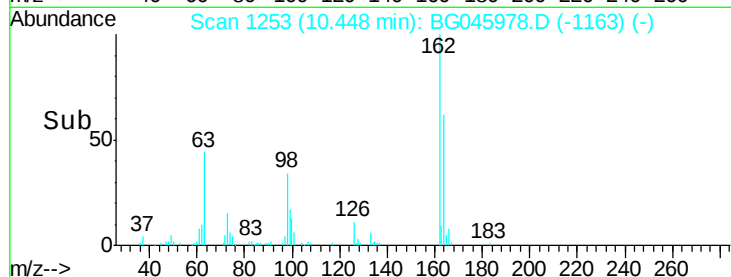
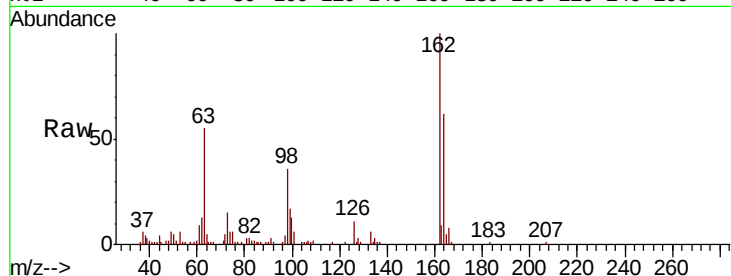
#29
2,4-Dichlorophenol
Concen: 6.452 ng
RT: 10.45 min Scan# 1253
Delta R.T. -0.00 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

Tot Ion	Ratio	Lower	Upper
162	100		
164	62.2	46.0	86.0
98	35.6	19.2	59.2

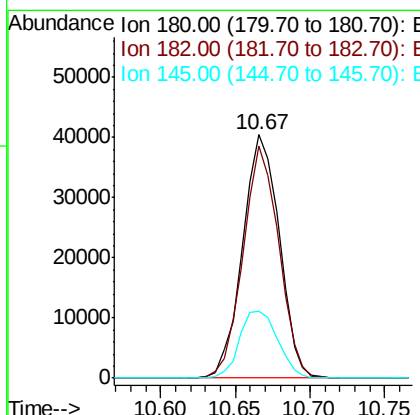
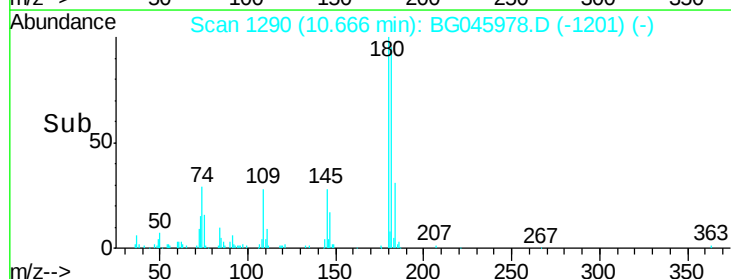
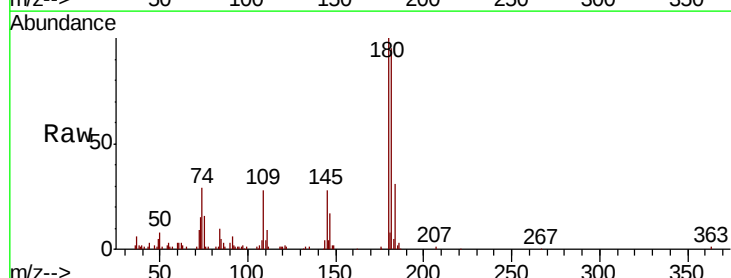
Manual Integrations
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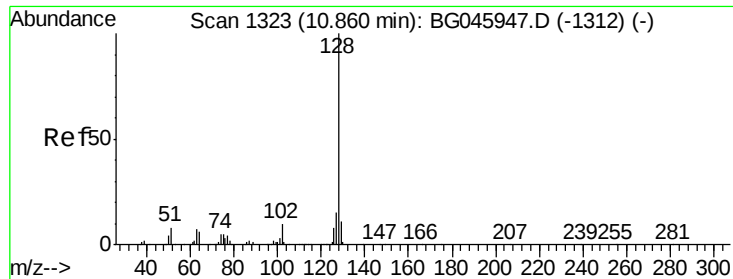
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#30
1,2,4-Trichlorobenzene
Concen: 6.878 ng
RT: 10.67 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.3	114.5
145	27.7	24.8	37.2





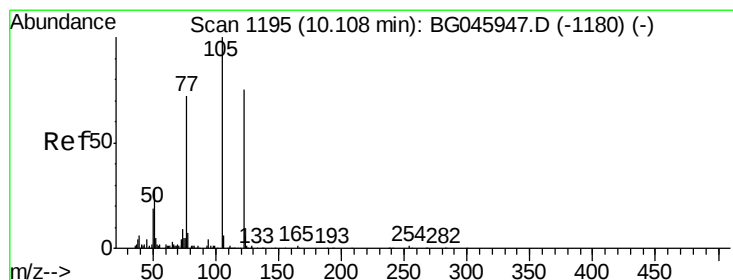
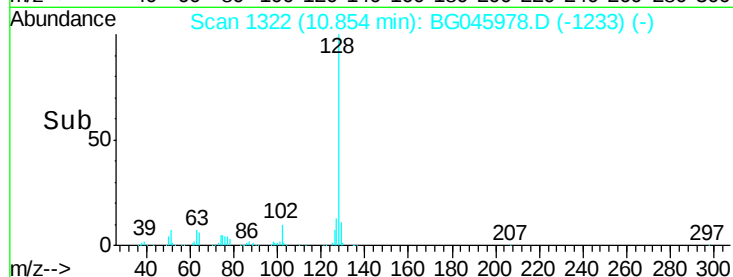
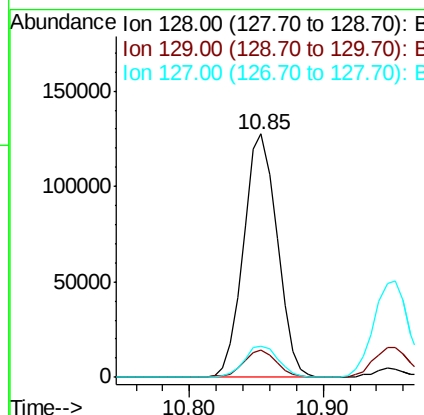
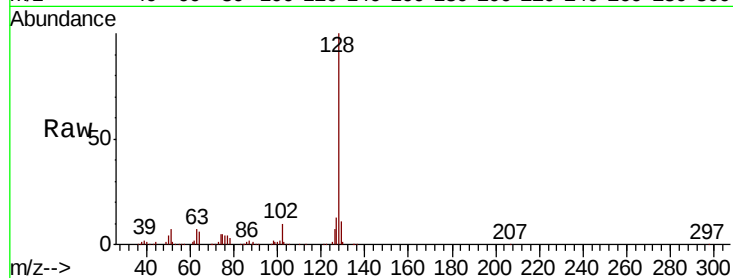
#31
Naphthalene
Concen: 7.166 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.2	13.8
127	13.0	11.8	17.6

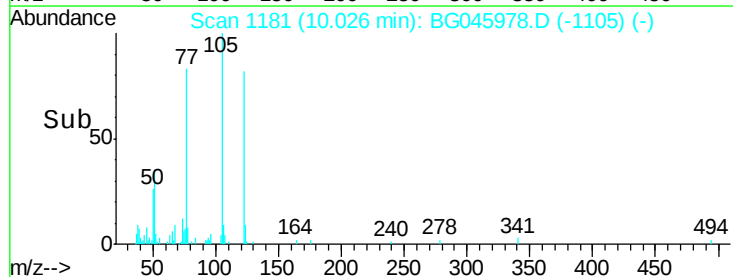
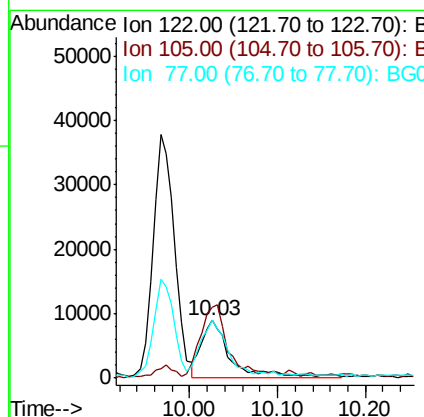
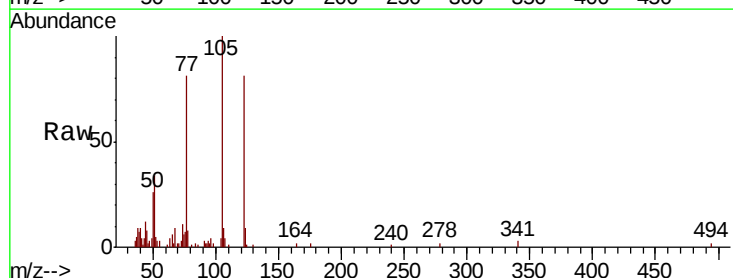
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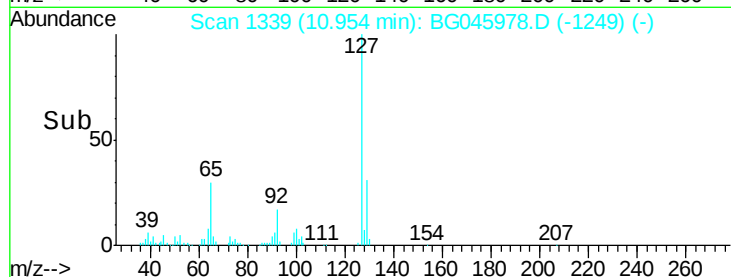
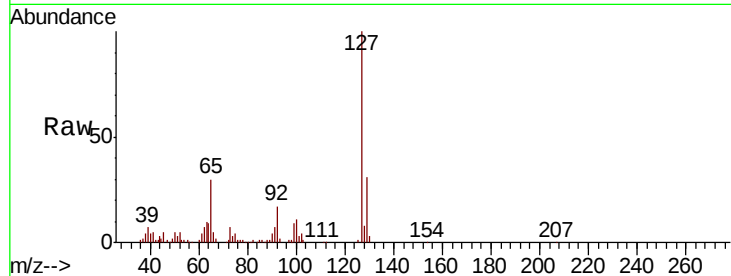
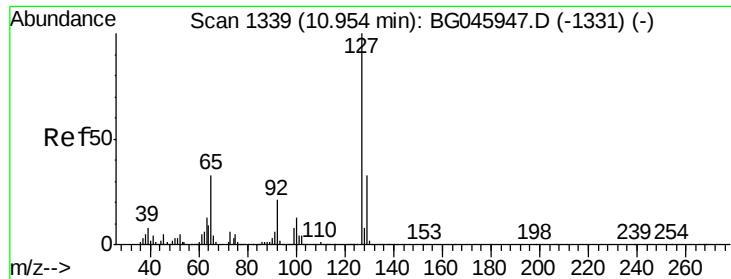
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#32
Benzoic acid
Concen: 4.508 ng m
RT: 10.03 min Scan# 1181
Delta R.T. -0.08 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
122	100		
105	123.8	110.8	150.8
77	100.5	76.4	116.4





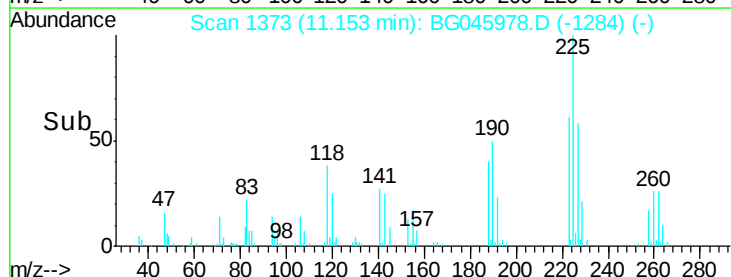
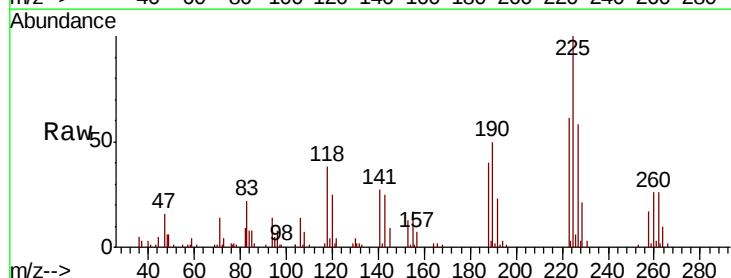
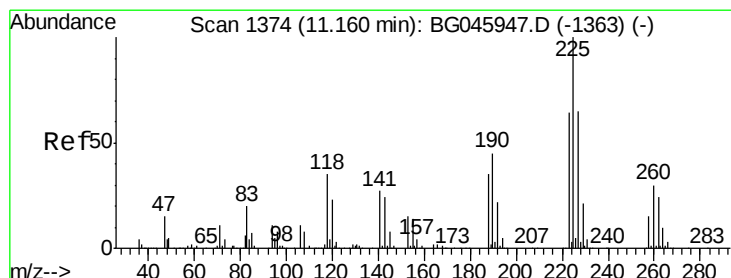
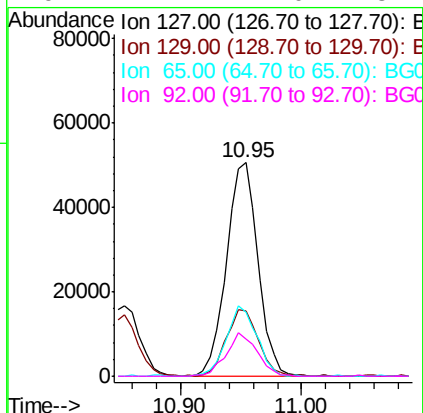
#33
4-Chloroaniline
Concen: 6.642 ng
RT: 10.95 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

Tot Ion	Ratio	Lower	Upper
127	100		
129	30.7	26.6	39.8
65	29.8	26.8	40.2
92	17.4	17.0	25.4

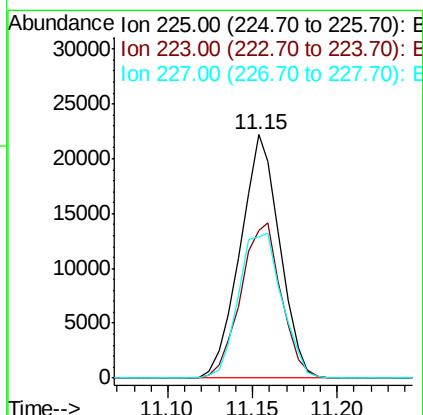
Manual Integrations
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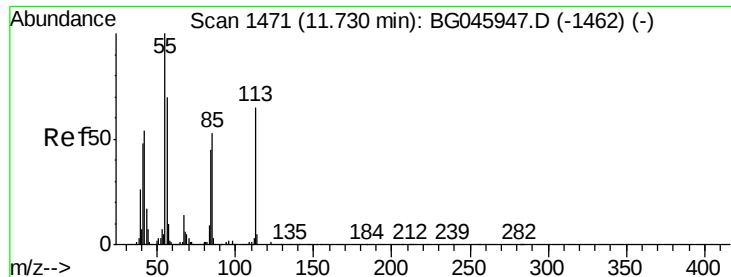
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#34
Hexachlorobutadiene
Concen: 6.191 ng
RT: 11.15 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.7	51.2	76.8
227	58.1	52.3	78.5





#35

Caprolactam

Concen: 6.572 ng

RT: 11.68 min Scan# 1463

Delta R.T. -0.05 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

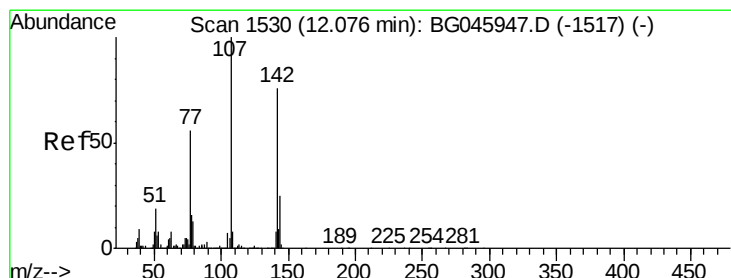
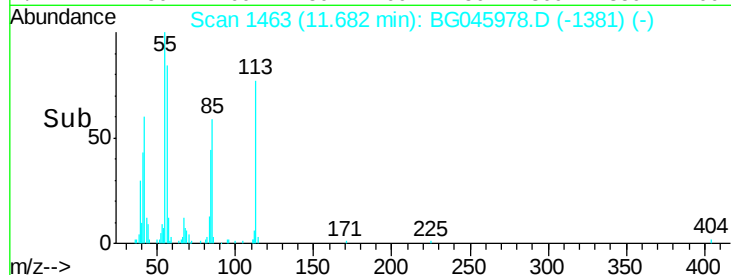
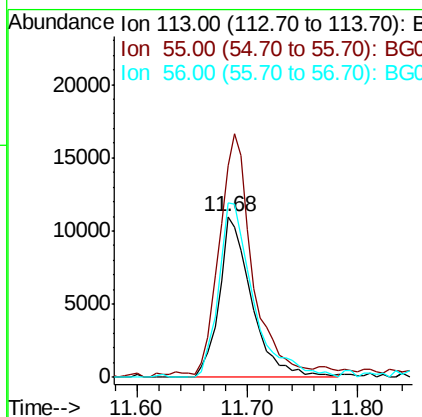
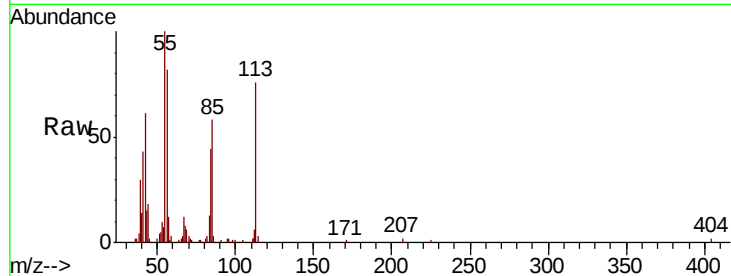
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100		22509		
55	131.6	141.6	181.6#		
56	108.5	89.6	129.6		

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#36

4-Chloro-3-methylphenol

Concen: 6.564 ng

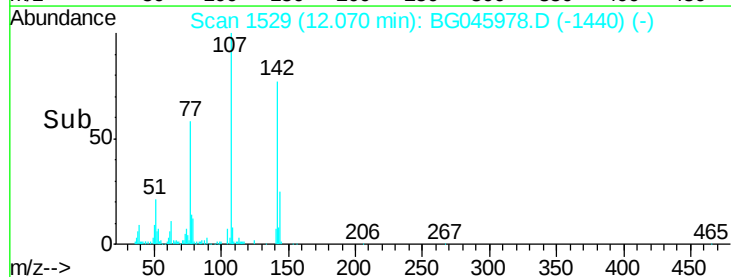
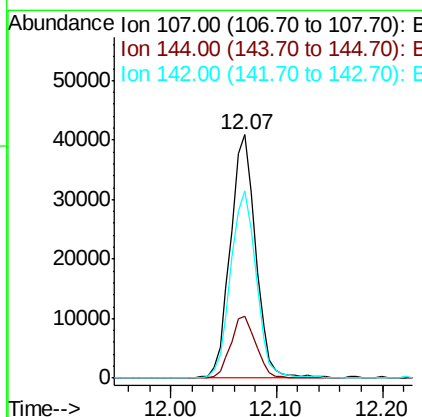
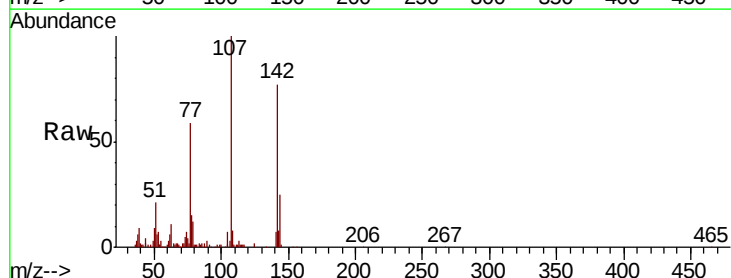
RT: 12.07 min Scan# 1529

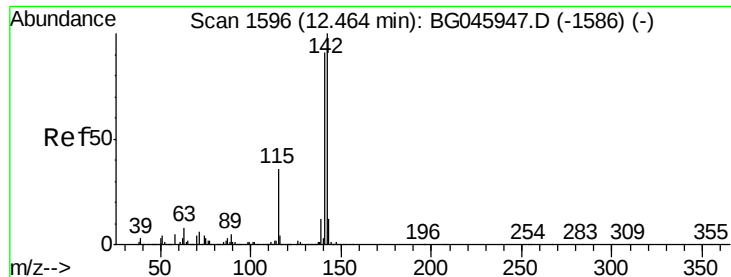
Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		67449		
144	25.4	20.0	30.0		
142	76.9	61.1	91.7		





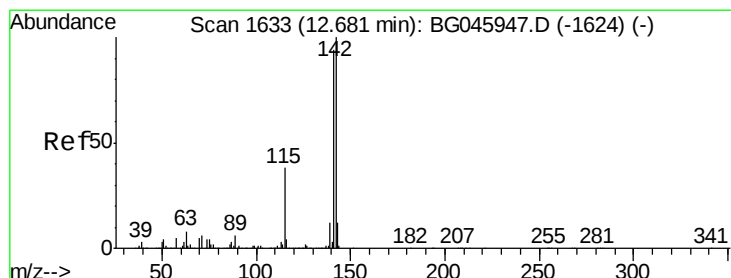
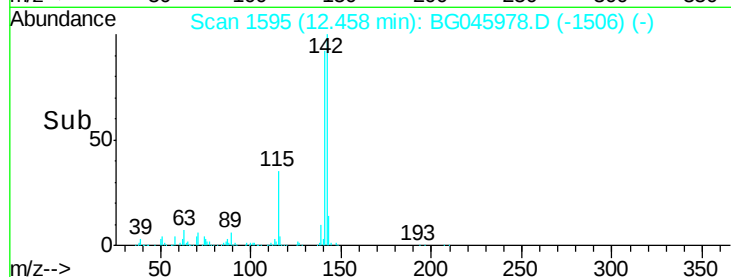
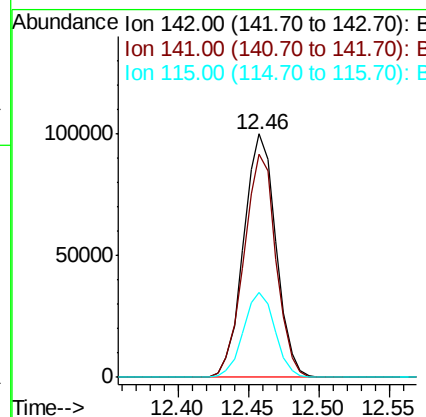
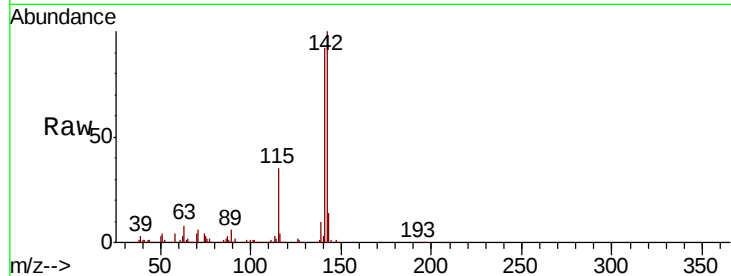
#37
2-Methylnaphthalene
Concen: 7.279 ng
RT: 12.46 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.0	109.6
115	35.0	28.8	43.2

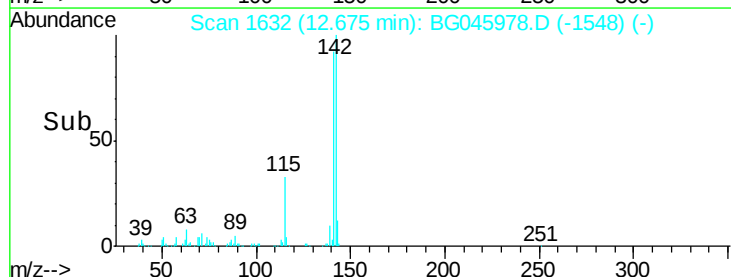
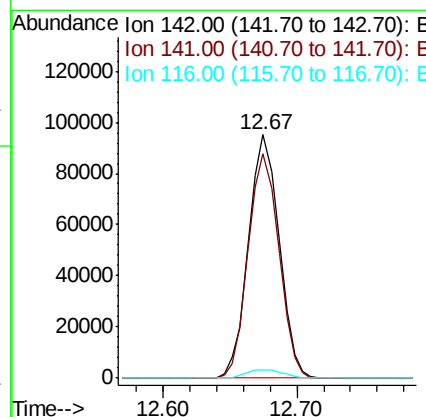
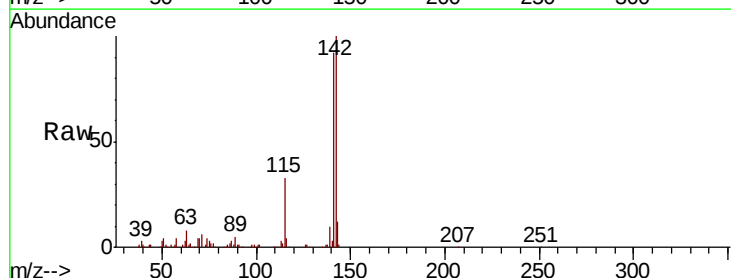
Manual Integrations
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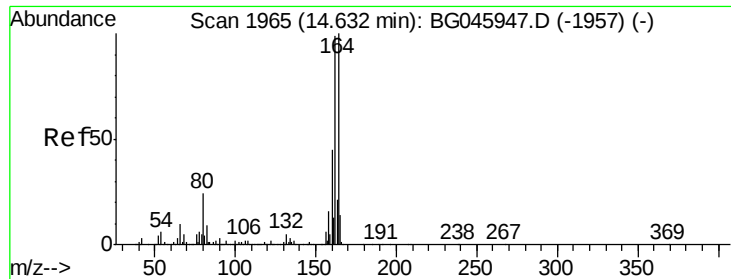
mohammad
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#38
1-Methylnaphthalene
Concen: 7.256 ng
RT: 12.67 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	75.2	112.8
116	3.6	3.1	4.7





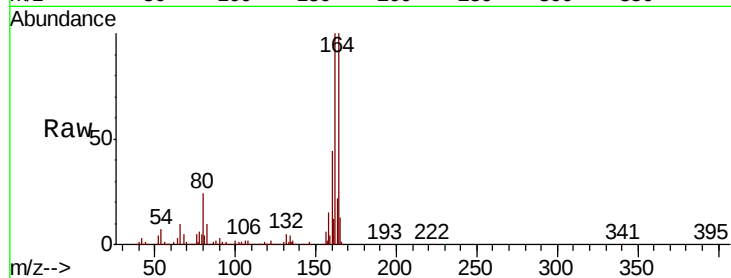
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.2	79.3	118.9
160	44.5	35.7	53.5

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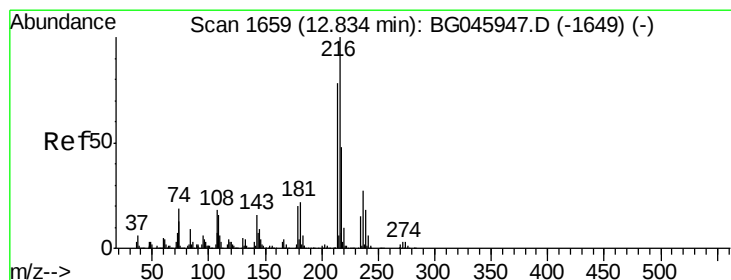
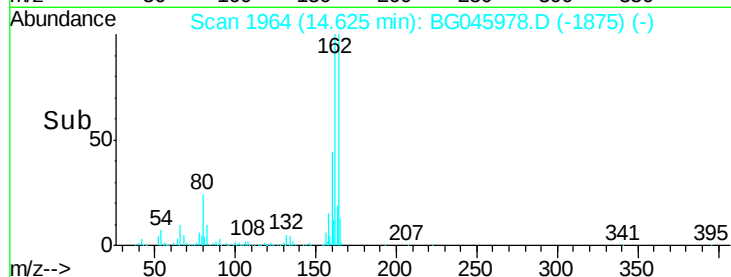
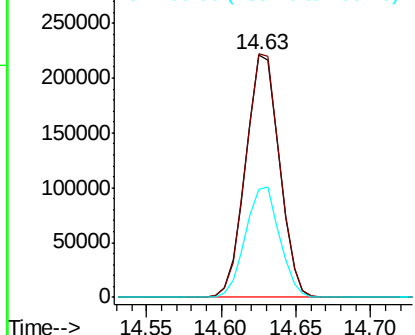


Abundance

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: 7.278 ng
RT: 12.82 min Scan# 1657
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
216	100		
214	80.3	63.0	94.4
179	21.6	17.0	25.6
108	21.8	17.3	25.9

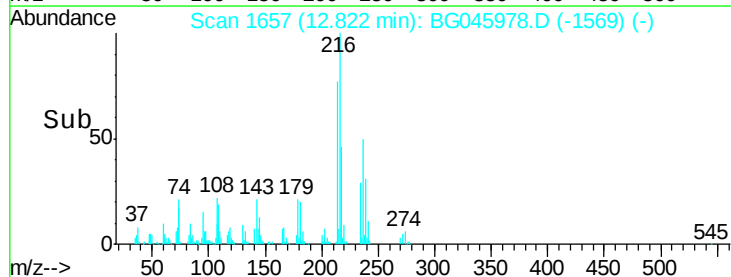
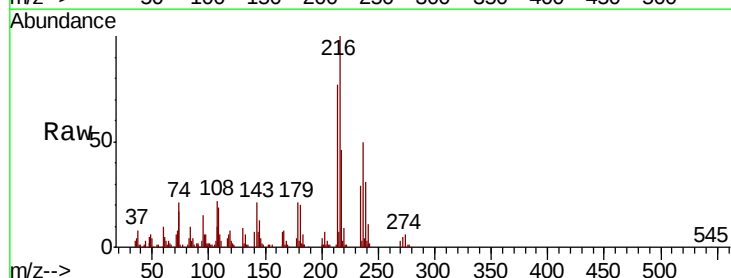
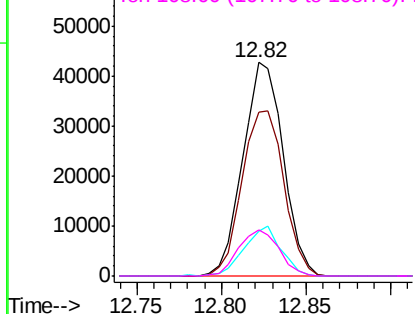
Abundance

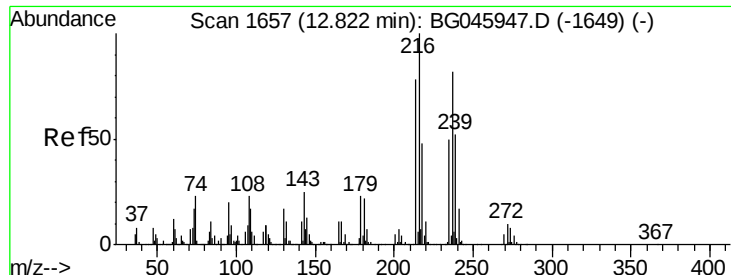
Ion 216.00 (215.70 to 216.70): E

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: 6.872 ng

RT: 12.82 min Scan# 1656

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

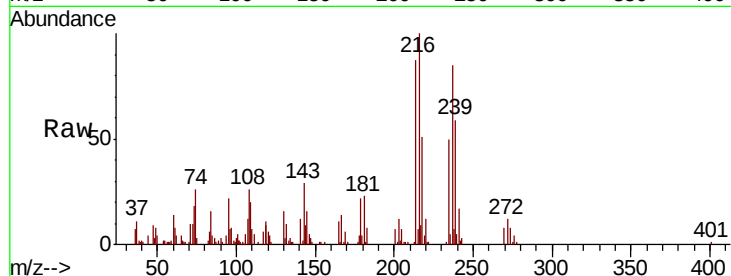
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

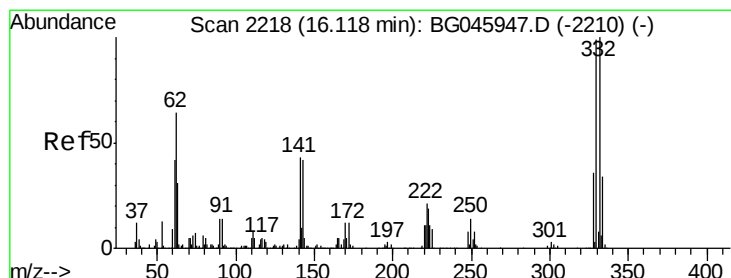
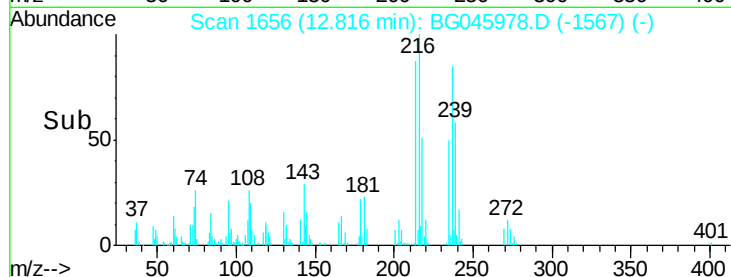
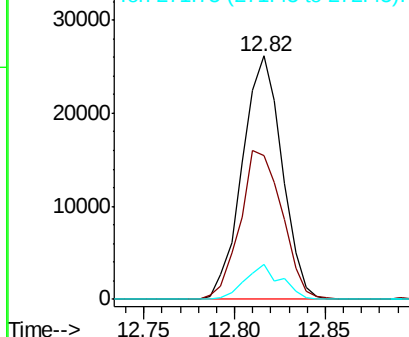
Tot Ion:	237	Resp:	39712
Ion Ratio	Lower	Upper	
237	100		
235	58.9	41.5	81.5
272	14.1	0.0	31.7

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



#42

2,4,6-Tribromophenol

Concen: 94.288 ng

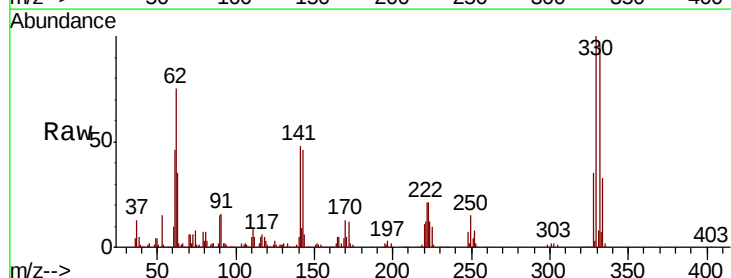
RT: 16.11 min Scan# 2217

Delta R.T. -0.01 min

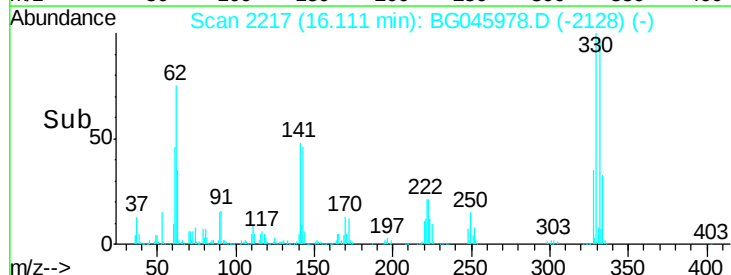
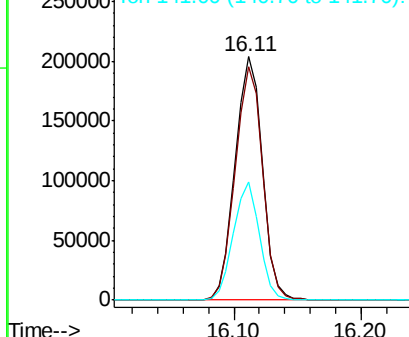
Lab File: BG045978.D

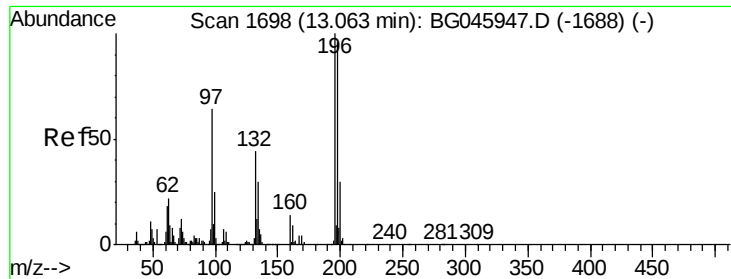
Acq: 8 Jul 2020 12:52

Tgt Ion:	330	Resp:	302313
Ion Ratio	Lower	Upper	
330	100		
332	96.3	78.3	117.5
141	46.3	36.6	54.8



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





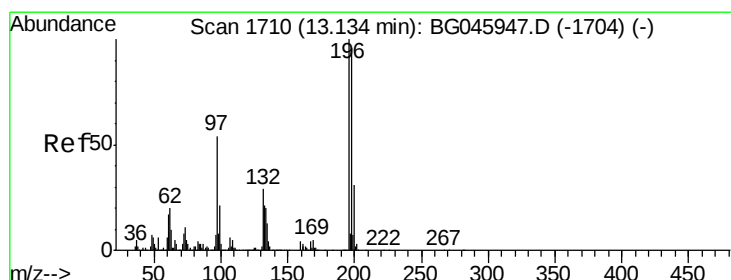
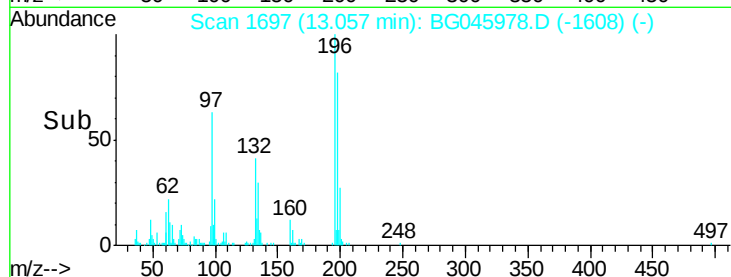
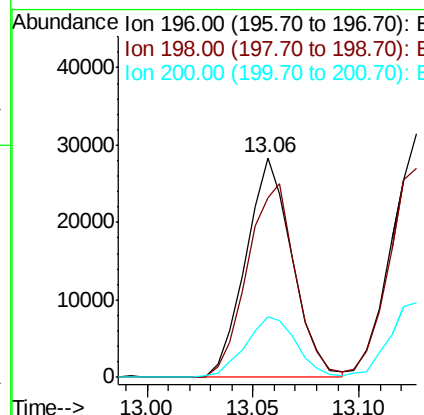
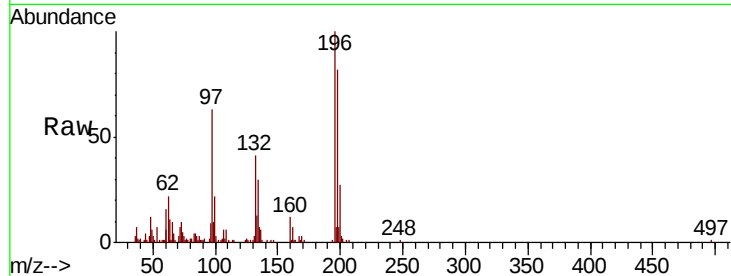
#43
2,4,6-Trichlorophenol
Concen: 6.573 ng
RT: 13.06 min Scan# 1697
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

Tot Ion	Ratio	Lower	Upper
196	100		
198	81.7	76.7	115.1
200	27.5	24.3	36.5

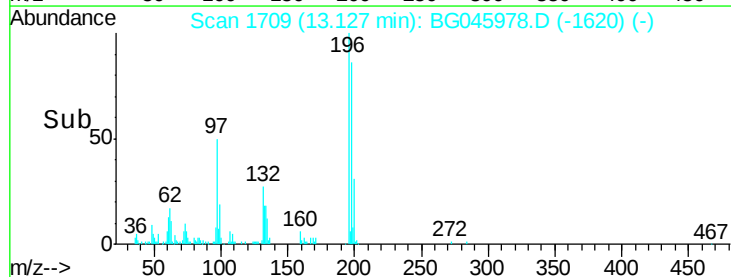
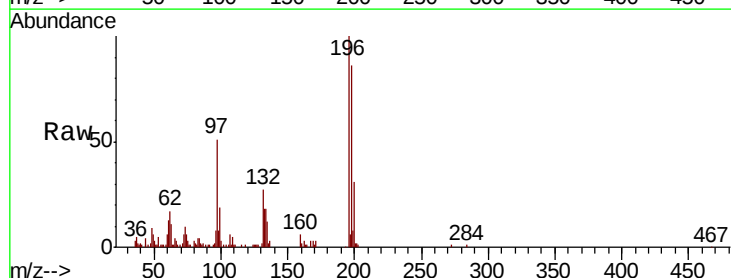
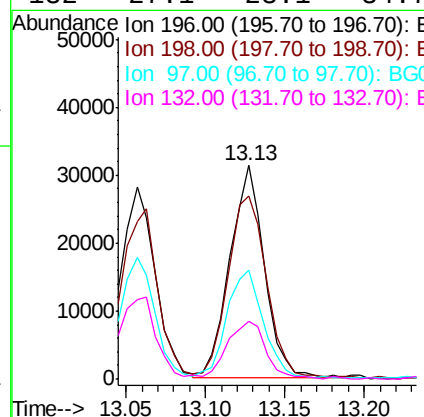
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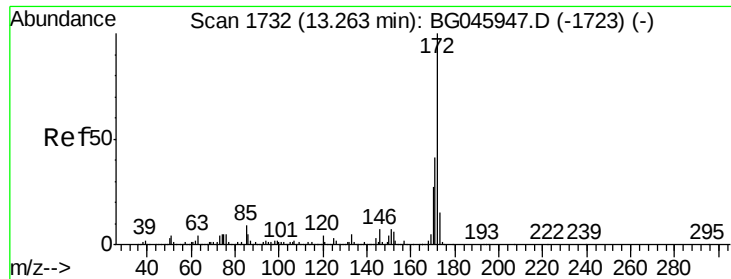
mohammad
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#44
2,4,5-Trichlorophenol
Concen: 6.335 ng
RT: 13.13 min Scan# 1709
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
196	100		
198	85.8	77.0	115.6
97	50.7	44.3	66.5
132	27.1	23.1	34.7





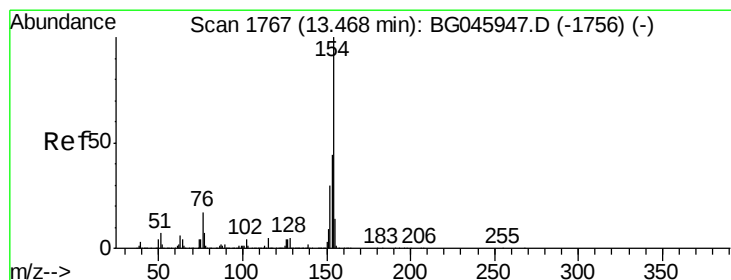
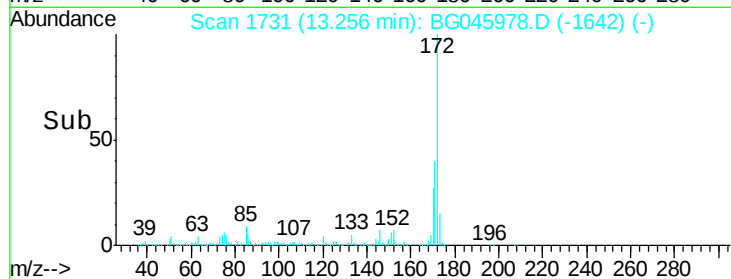
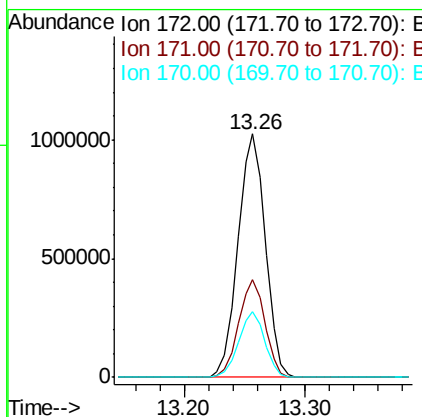
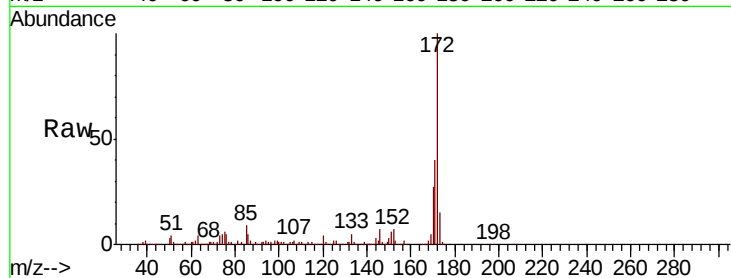
#45
2-Fluorobiphenyl
Concen: 72.833 ng
RT: 13.26 min Scan# 1731
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	40.2	32.9	49.3
170	27.2	21.8	32.6

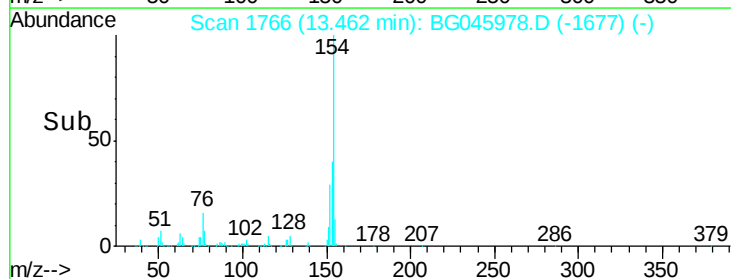
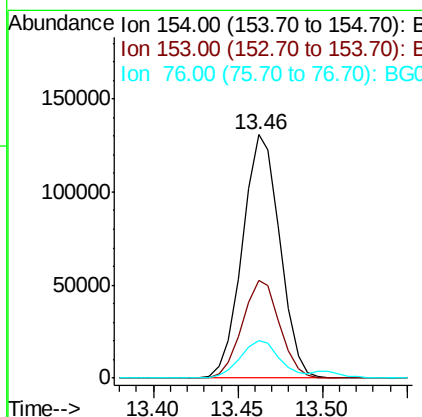
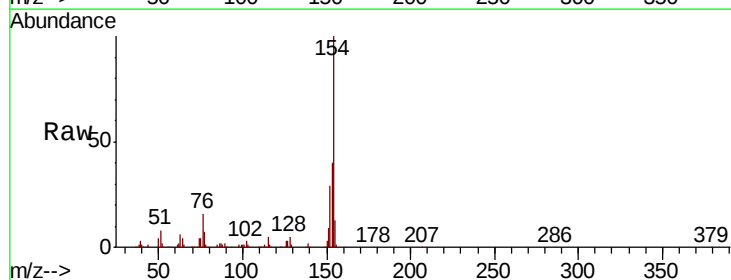
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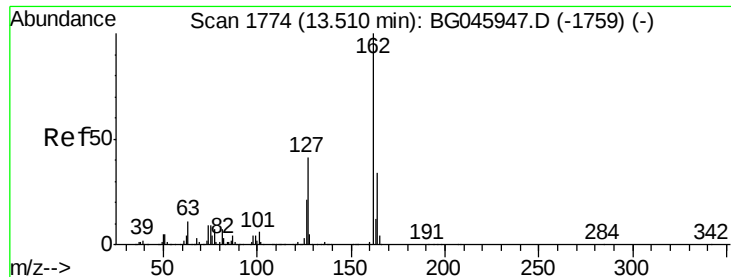
mohammad
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#46
1,1'-Biphenyl
Concen: 7.755 ng
RT: 13.46 min Scan# 1766
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.2	23.6	63.6
76	15.5	0.0	36.9





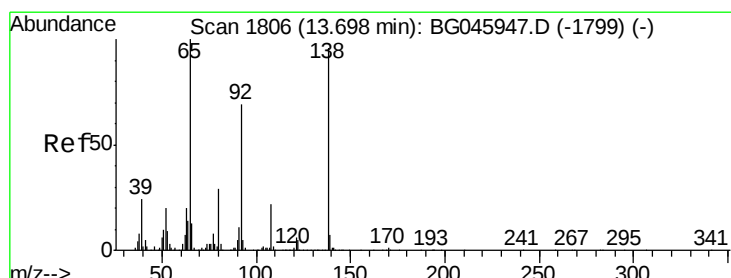
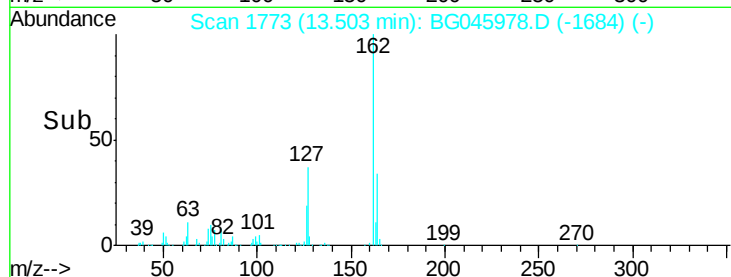
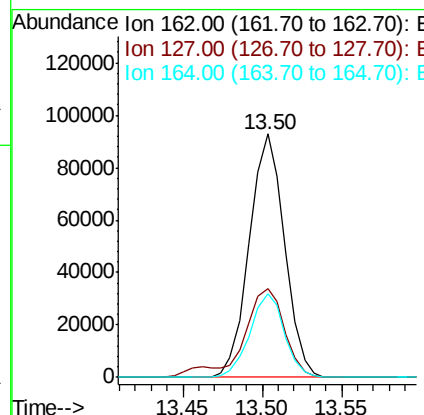
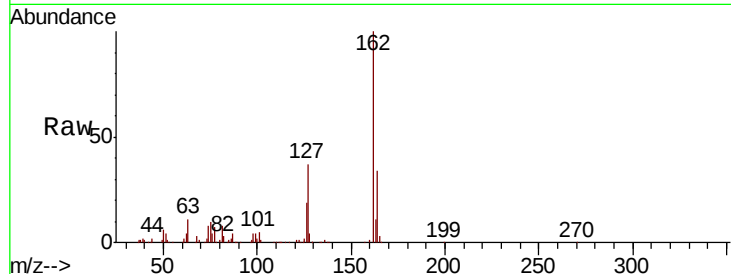
#47
2-Chloronaphthalene
Concen: 6.985 ng
RT: 13.50 min Scan# 1773
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

Tot Ion	Ratio	Lower	Upper
162	100		
127	36.5	32.5	48.7
164	34.4	27.2	40.8

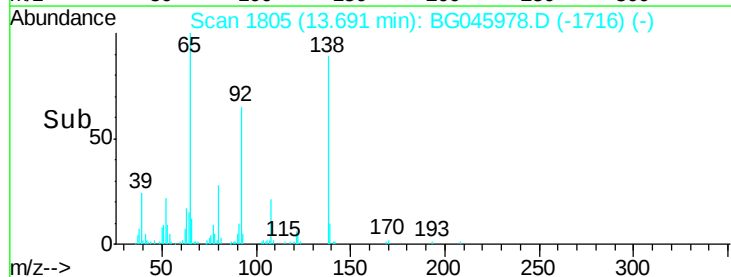
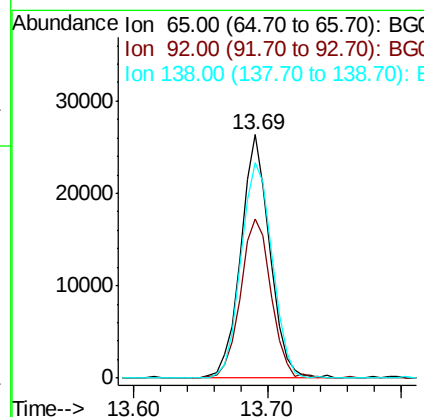
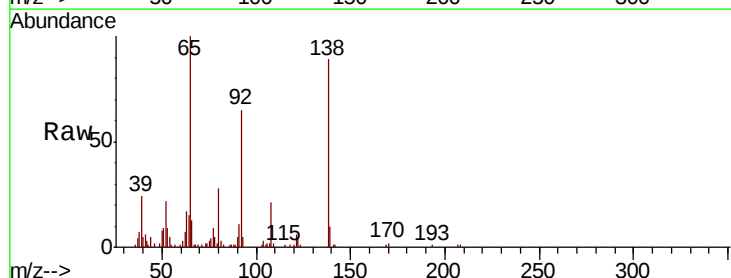
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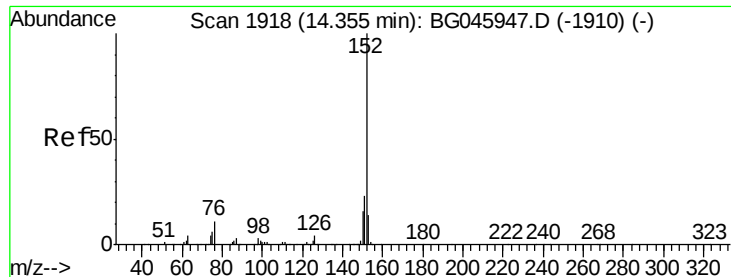
mohammad
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#48
2-Nitroaniline
Concen: 8.222 ng
RT: 13.69 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
65	100		
92	65.4	55.4	83.0
138	88.7	77.0	115.4





#49

Acenaphthylene

Concen: 7.425 ng

RT: 14.34 min Scan# 1916

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

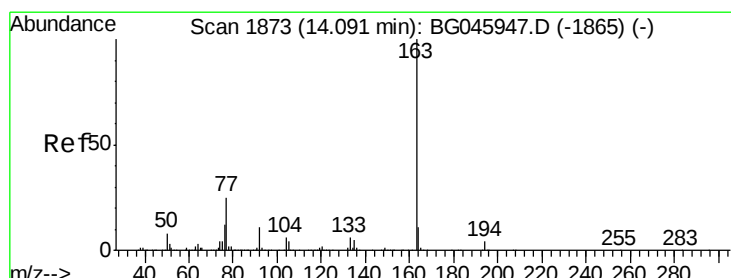
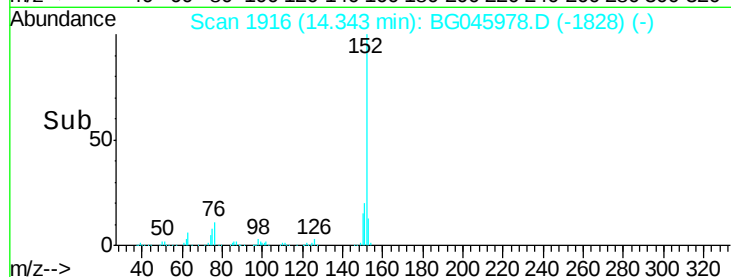
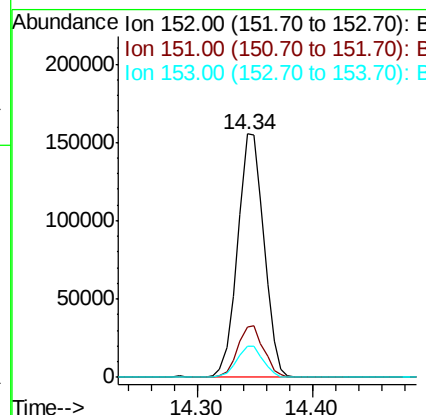
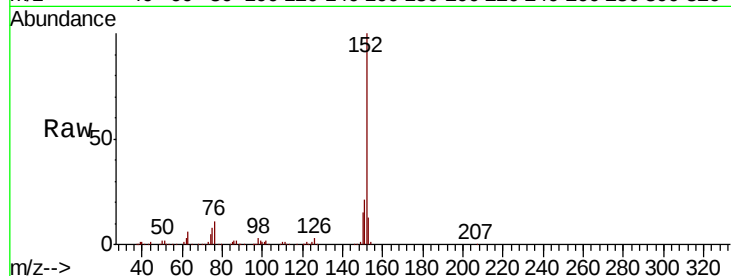
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		245631		
151	20.5	18.1	27.1		
153	13.0	11.5	17.3		

Manual Integrations
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#50

Dimethylphthalate

Concen: 6.844 ng

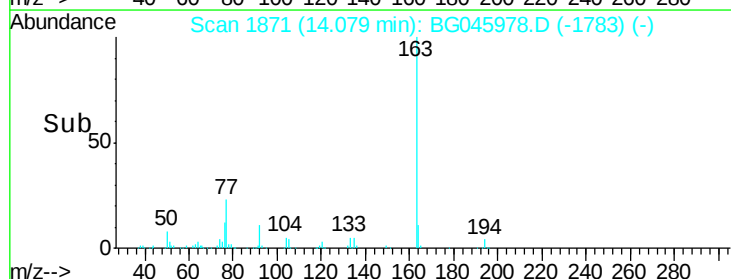
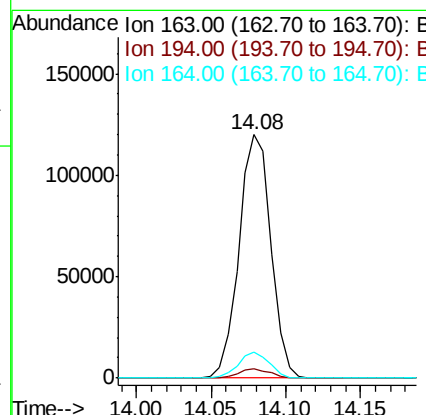
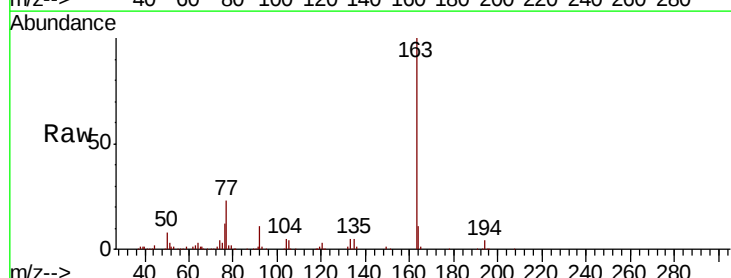
RT: 14.08 min Scan# 1871

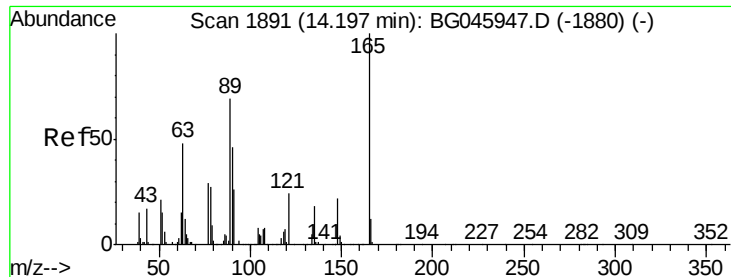
Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		177447		
194	3.9	3.6	5.4		
164	10.6	8.9	13.3		





#51

2,6-Dinitrotoluene

Concen: 7.399 ng

RT: 14.19 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

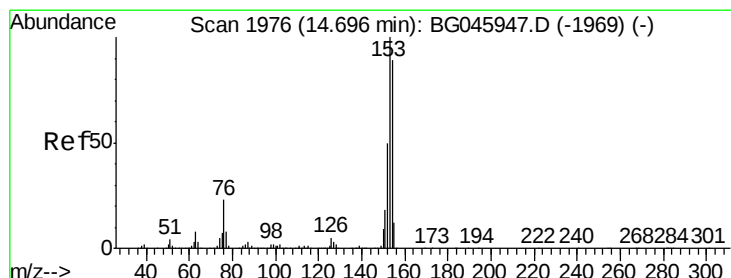
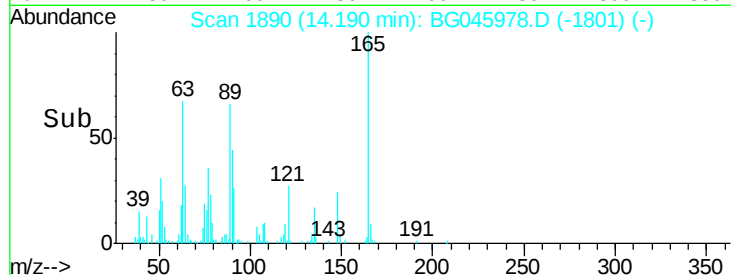
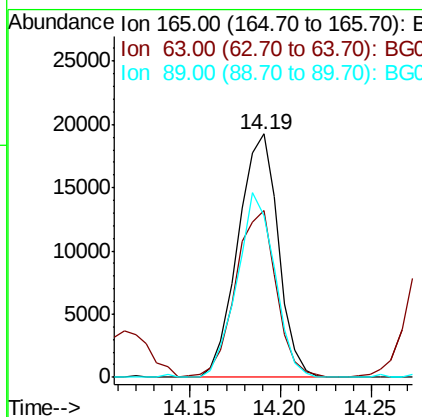
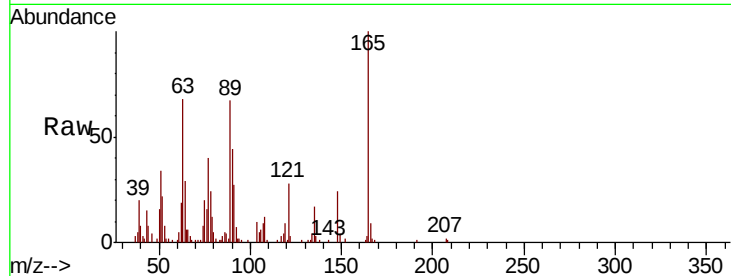
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	165	Resp:	29764
Ion Ratio	Lower	Upper	
165	100		
63	68.3	51.0	76.4
89	66.7	55.7	83.5

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#52

Acenaphthene

Concen: 6.895 ng

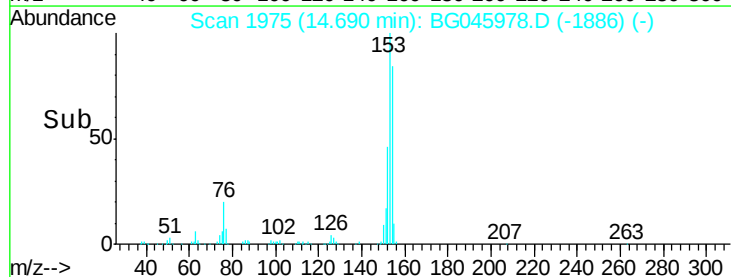
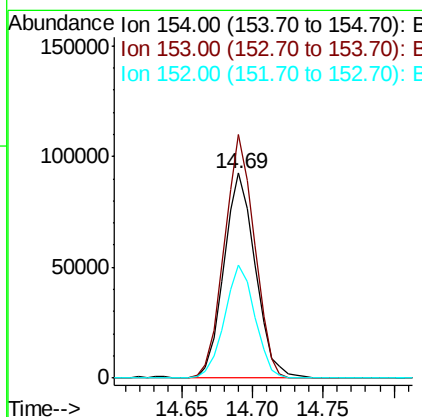
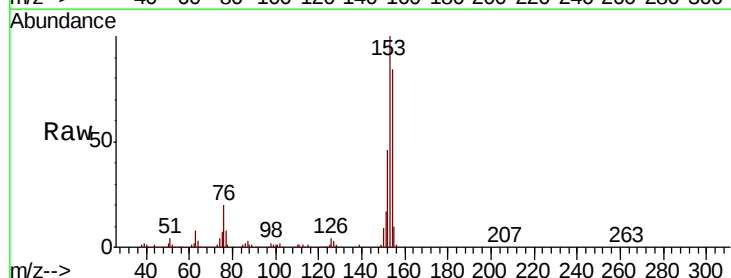
RT: 14.69 min Scan# 1975

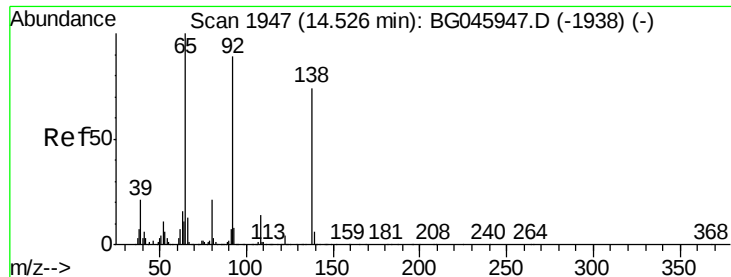
Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Tgt Ion:	154	Resp:	143887
Ion Ratio	Lower	Upper	
154	100		
153	118.9	89.7	134.5
152	55.2	44.7	67.1





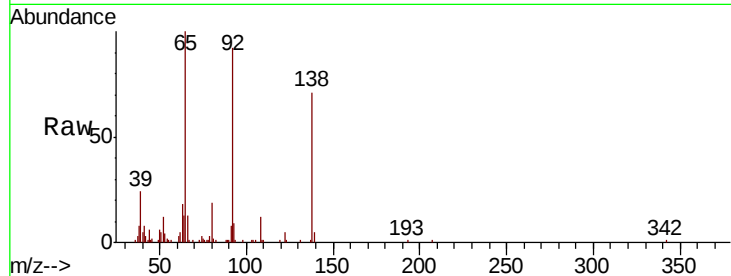
#53
3-Nitroaniline
Concen: 7.040 ng
RT: 14.51 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

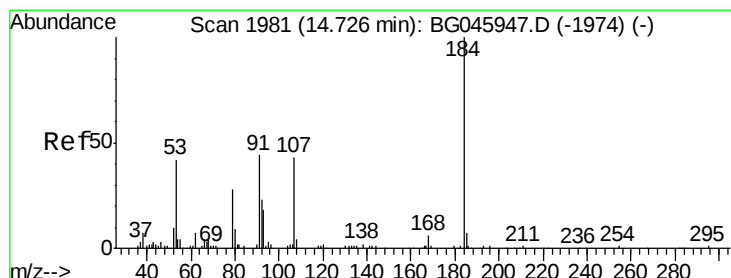
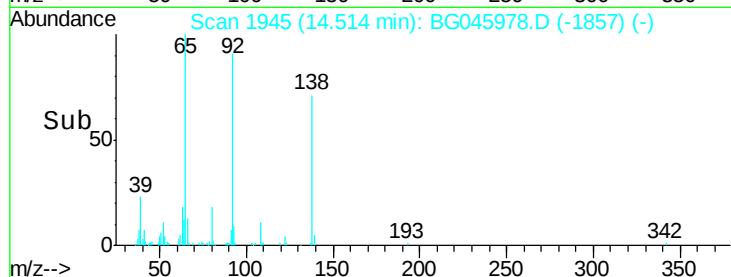
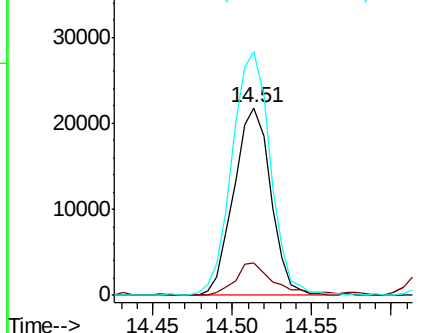
Tot Ion	Ratio	Lower	Upper
138	100		
108	17.4	15.4	23.2
92	129.8	95.9	143.9

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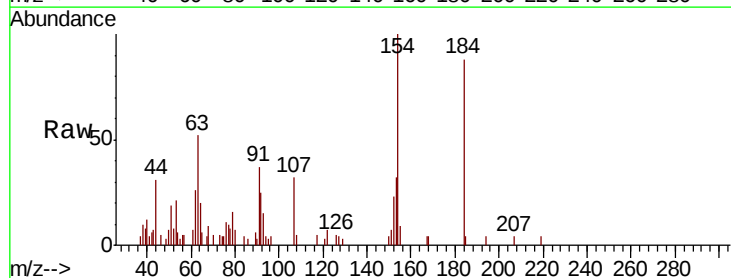


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BGC

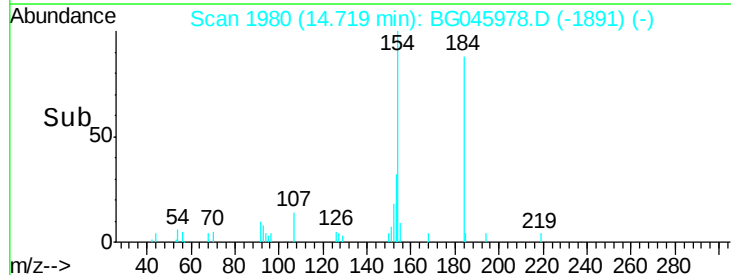
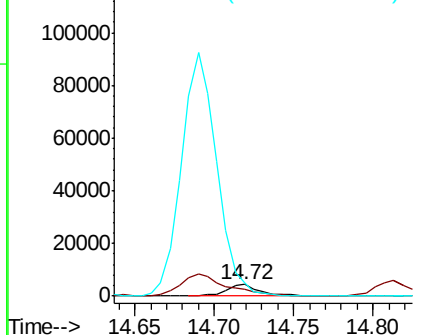


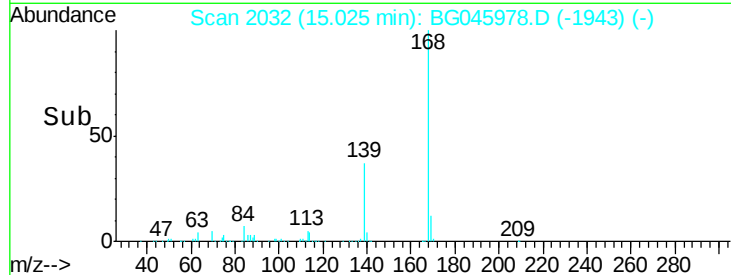
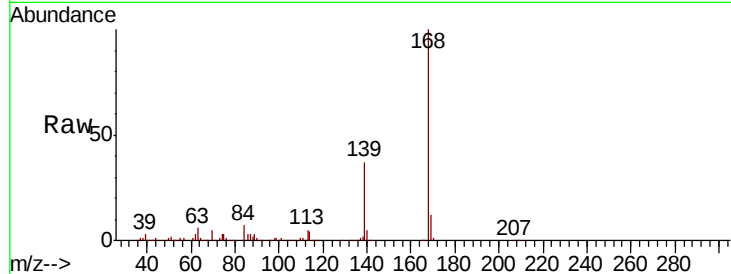
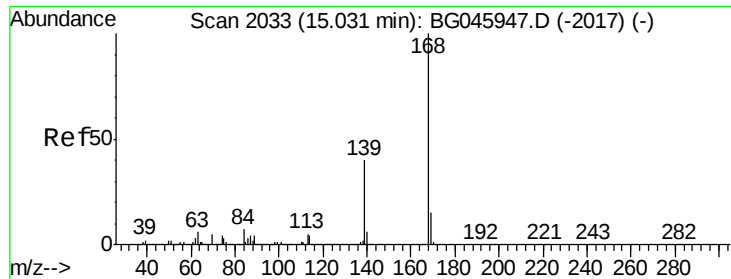
#54
2,4-Dinitrophenol
Concen: 4.832 ng
RT: 14.72 min Scan# 1980
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
184	100		
63	58.8	46.0	69.0
154	114.0	58.2	87.2#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E





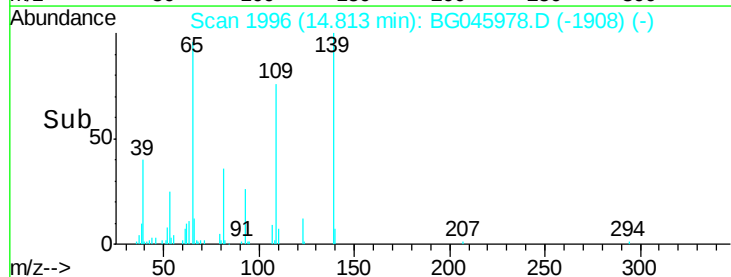
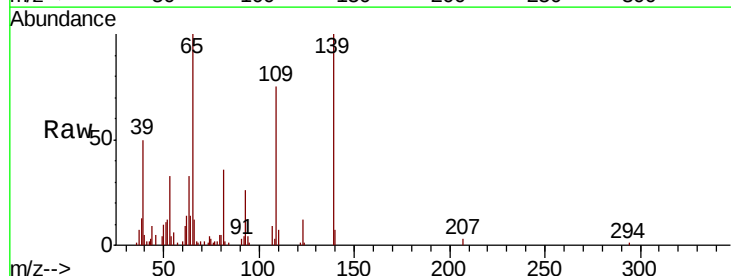
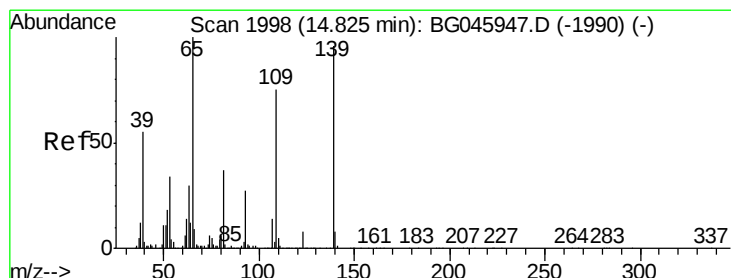
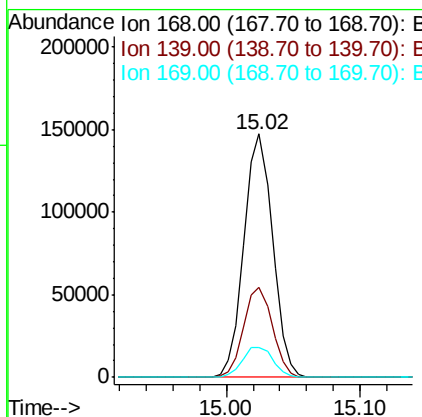
#55
Dibenzofuran
Concen: 7.139 ng
RT: 15.02 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tot Ion	168	139	169
Ratio	100	37.2	12.4
Lower		32.2	11.8
Upper		48.2	17.8

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

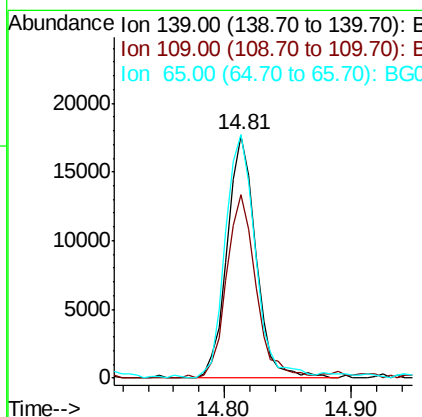
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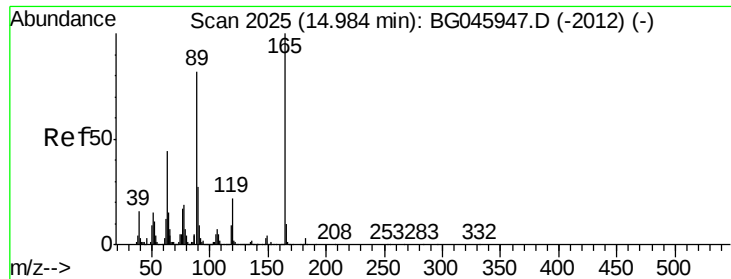
mohammad
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#56
4-Nitrophenol
Concen: 6.528 ng
RT: 14.81 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	139	109	65
Ratio	100	75.7	100.3
Lower		58.5	84.7
Upper		98.5	124.7





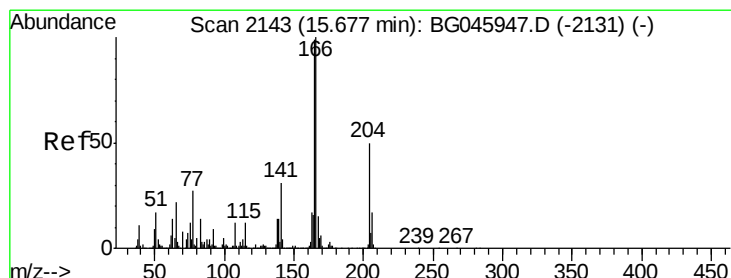
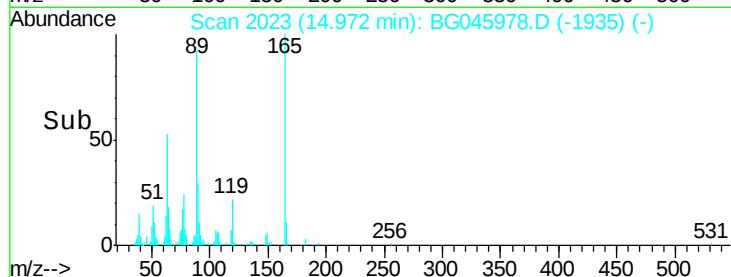
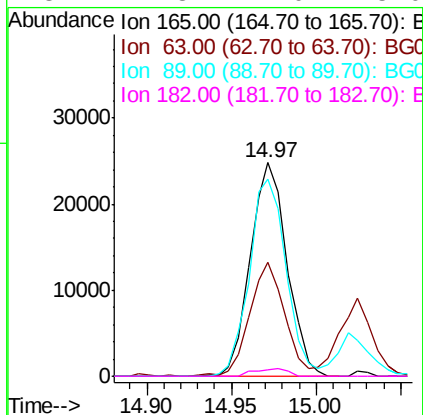
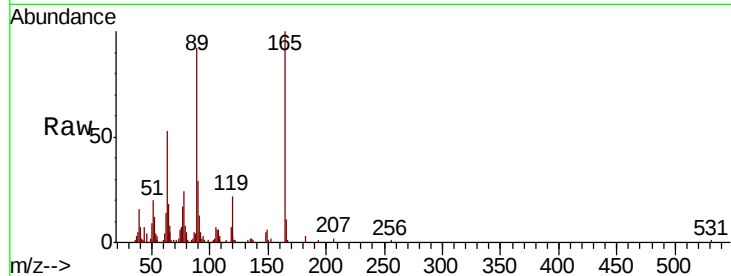
#57
 2,4-Dinitrotoluene
 Concen: 7.488 ng
 RT: 14.97 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BG045978.D
 Acq: 8 Jul 2020 12:52

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

Tot Ion	Ratio	Lower	Upper
165	100		
63	53.2	35.4	53.0#
89	92.1	65.4	98.2
182	2.8	2.0	3.0

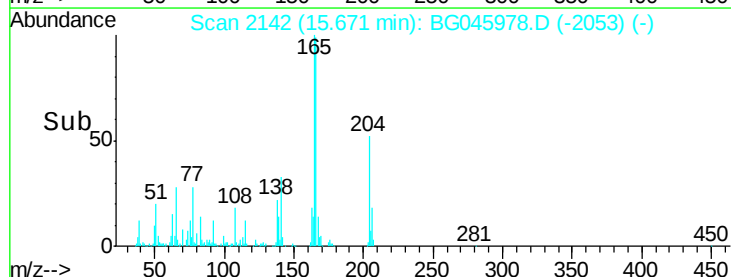
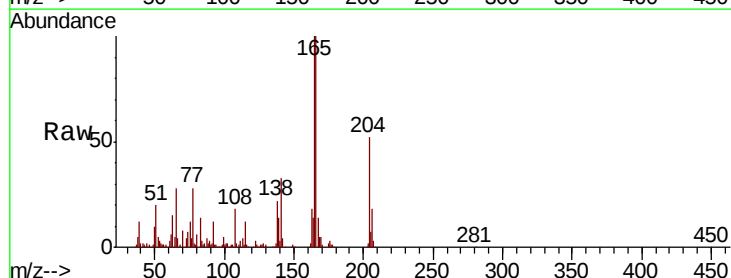
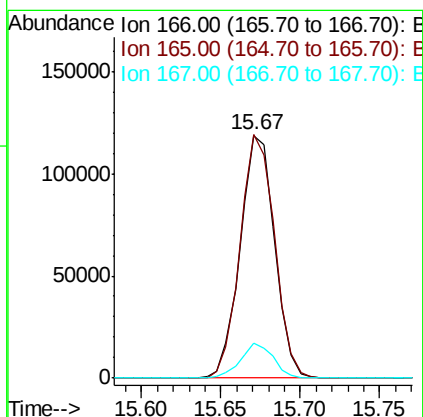
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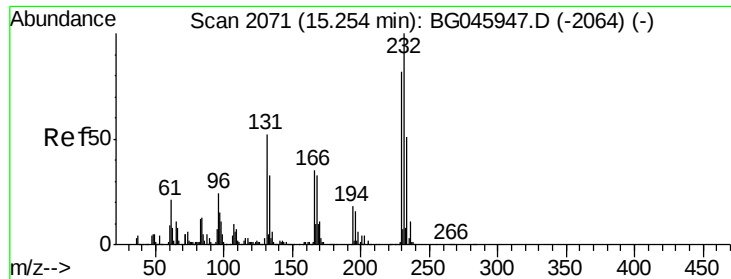
mohammad
 7/10/2020 11:45:39 AM



#58
 Fluorene
 Concen: 7.135 ng
 RT: 15.67 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: BG045978.D
 Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.5	78.9	118.3
167	14.5	12.1	18.1





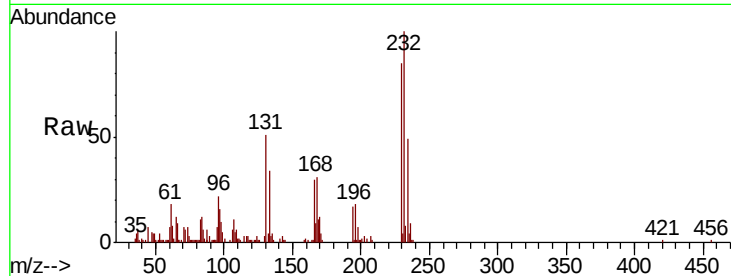
#59
2,3,4,6-Tetrachlorophenol
Concen: 6.682 ng
RT: 15.25 min Scan# 2070
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

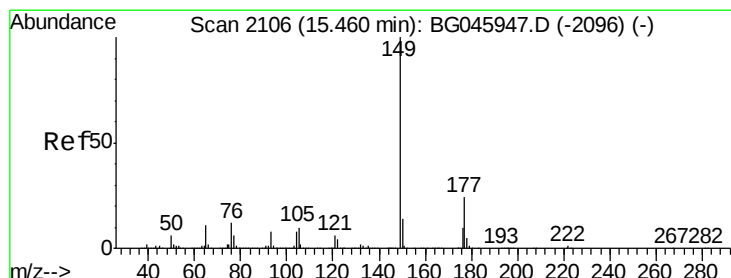
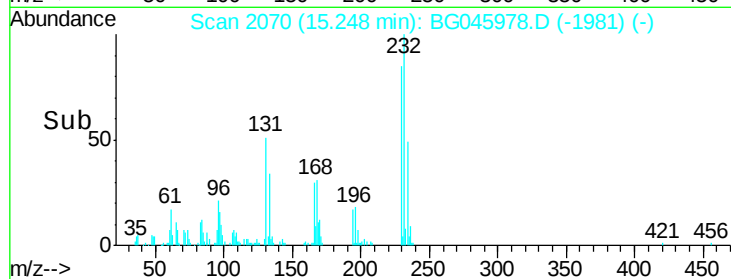
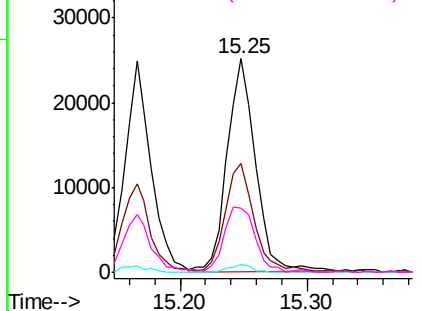
Tot Ion	Ratio	Resp	Lower	Upper
232	100			
131	53.2		35.8	53.6
130	3.1		2.5	3.7
166	32.4		21.8	32.8

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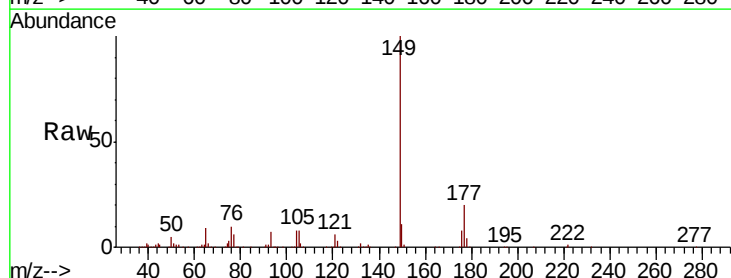


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

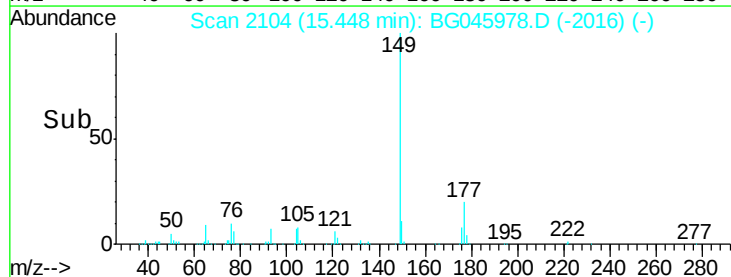
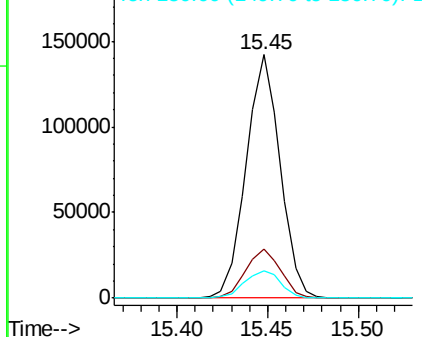


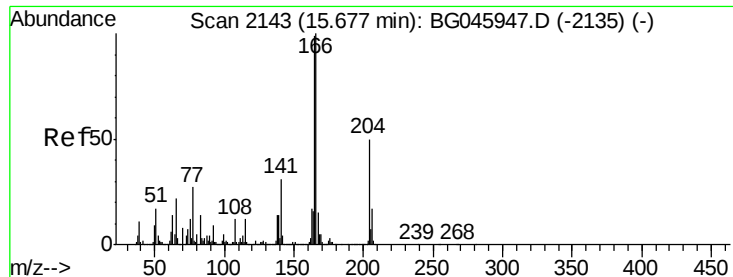
#60
Diethylphthalate
Concen: 6.792 ng
RT: 15.45 min Scan# 2104
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
177	20.0		19.0	28.4
150	11.2		11.0	16.4



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





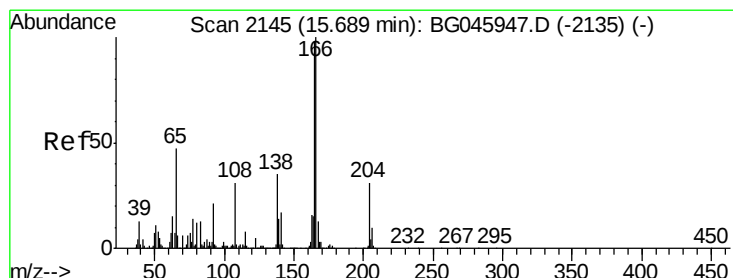
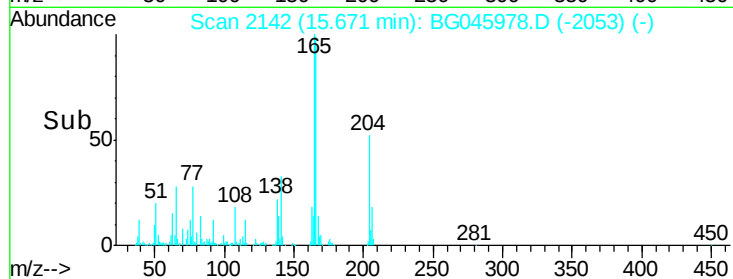
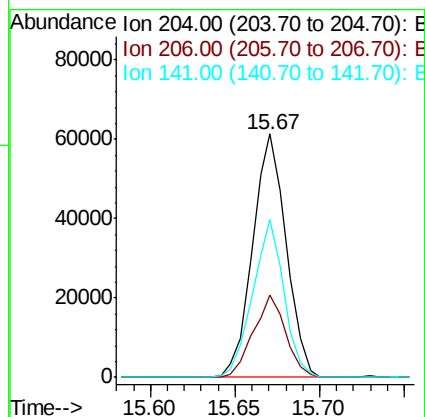
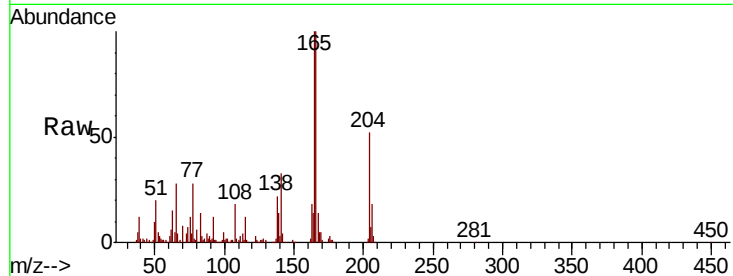
#61
4-Chlorophenyl-phenylether
Concen: 6.760 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.0	27.1	40.7
141	64.8	49.8	74.8

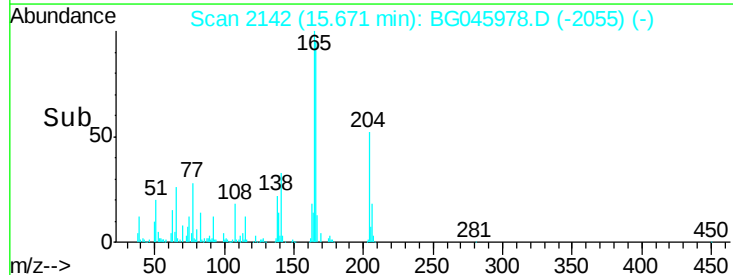
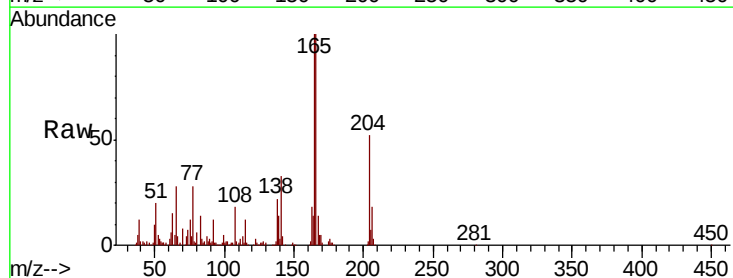
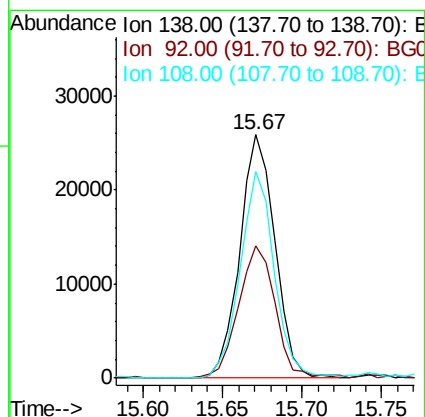
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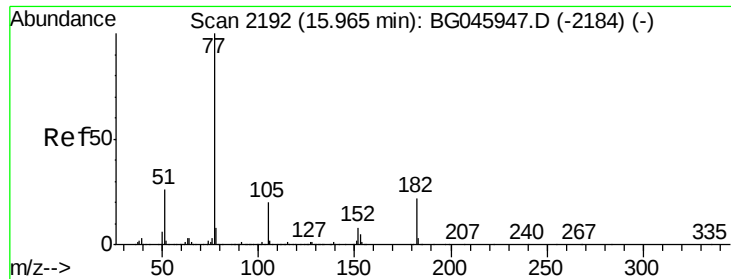
mohammad
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#62
4-Nitroaniline
Concen: 7.403 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.02 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
138	100		
92	54.1	40.3	80.3
108	84.7	68.0	108.0





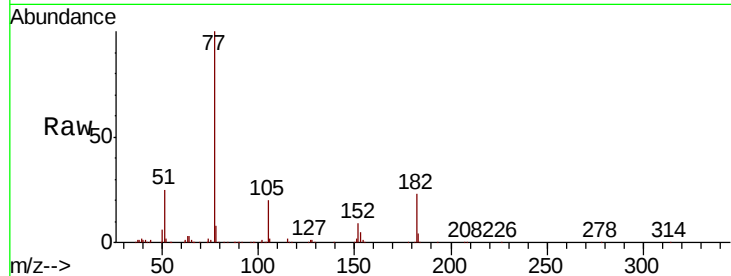
#63
Azobenzene
Concen: 7.243 ng
RT: 15.96 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

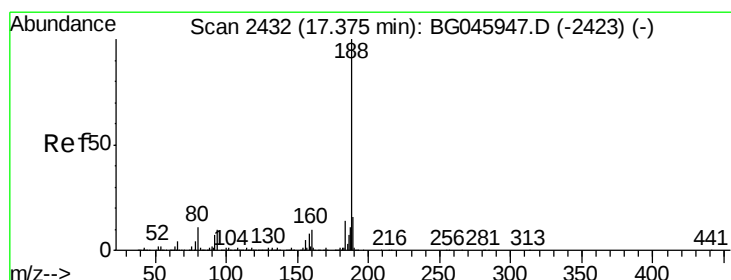
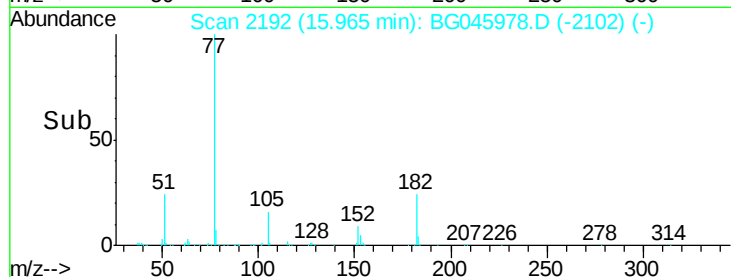
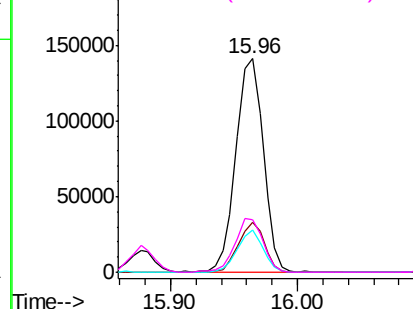
Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		211367		
182	23.4	2.4	42.4		
105	19.9	0.3	40.3		
51	24.6	6.3	46.3		

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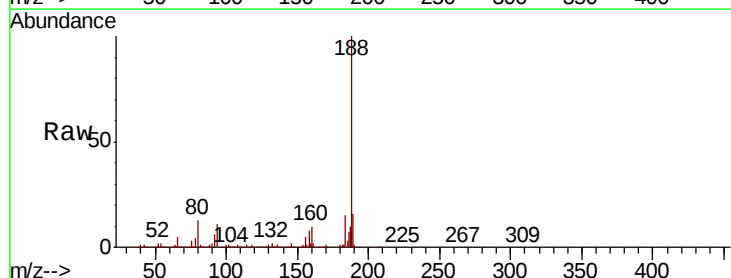


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

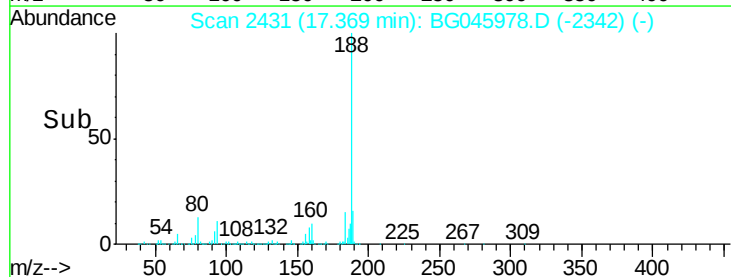
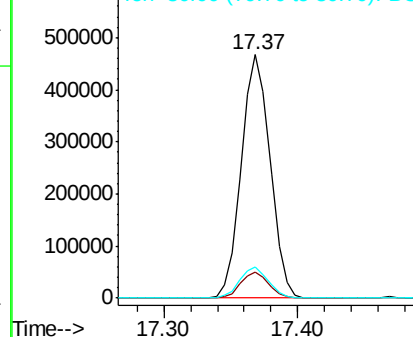


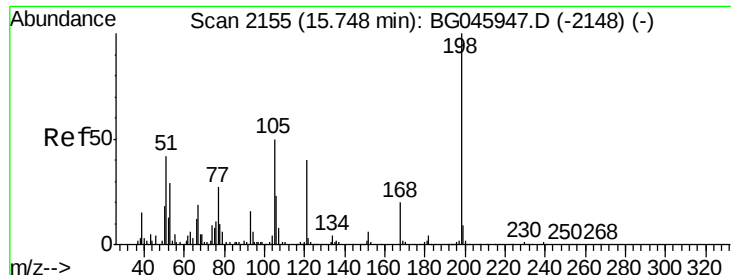
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		696290		
94	10.7	8.2	12.4		
80	12.6	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





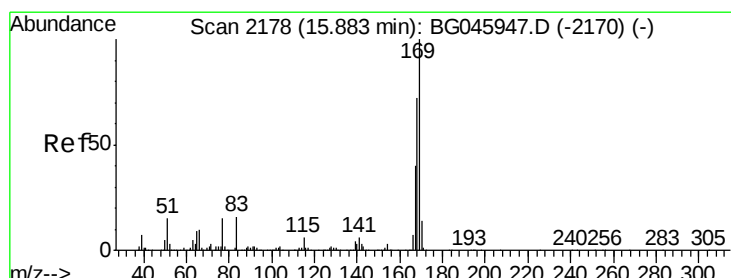
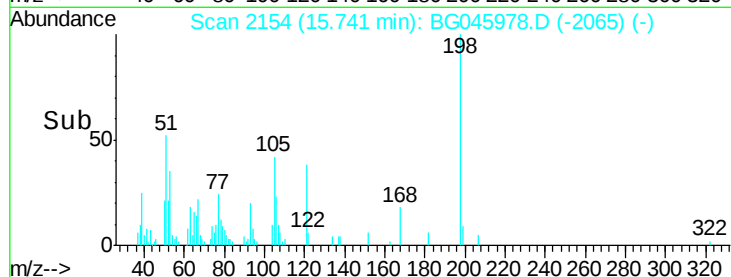
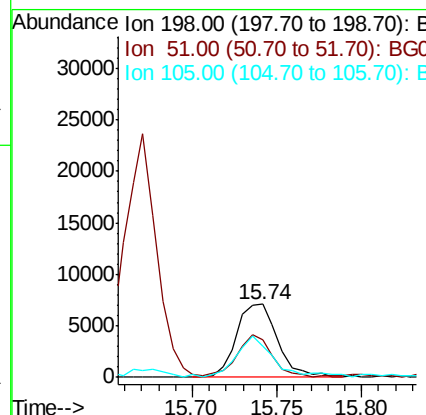
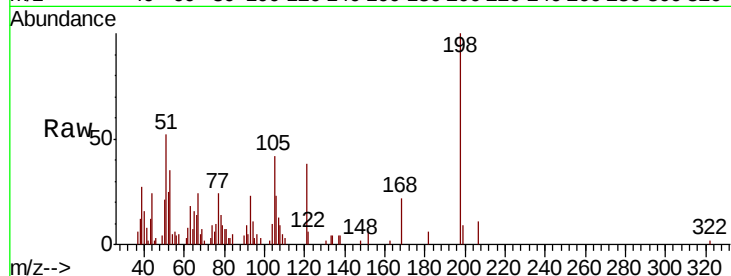
#65
4,6-Dinitro-2-methylphenol
Concen: 5.863 ng
RT: 15.74 min Scan# 2154
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

Tot Ion	Ratio	Resp	Lower	Upper
198	100	11956		
51	51.8	24.5	64.5	
105	42.0	30.9	70.9	

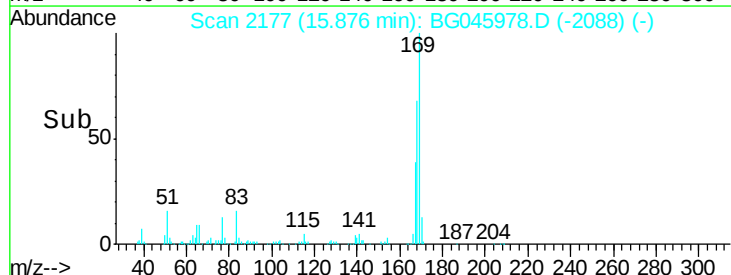
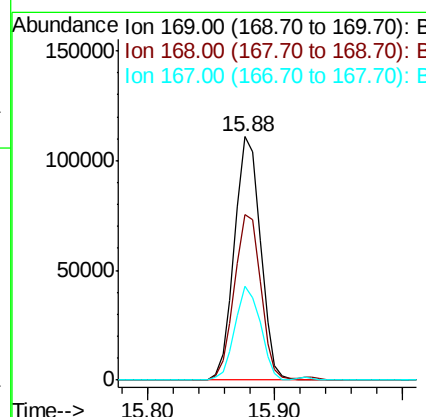
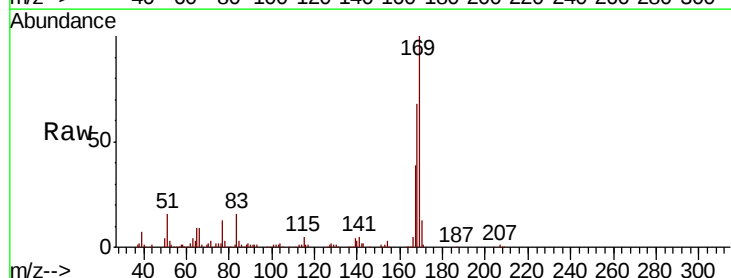
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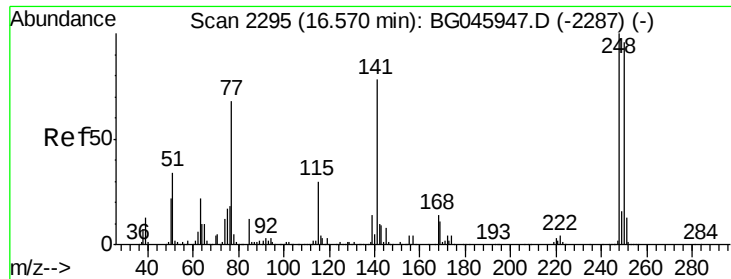
mohammad
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#66
n-Nitrosodiphenylamine
Concen: 7.278 ng
RT: 15.88 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	157035		
168	67.9	57.3	85.9	
167	38.8	32.1	48.1	





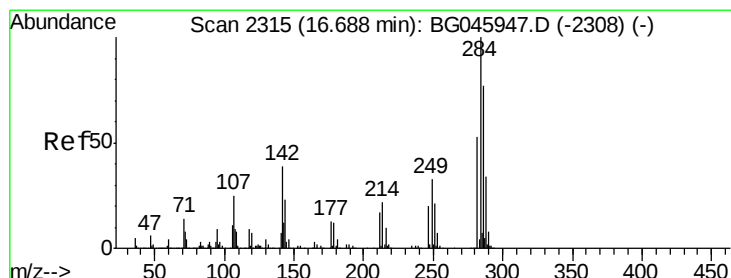
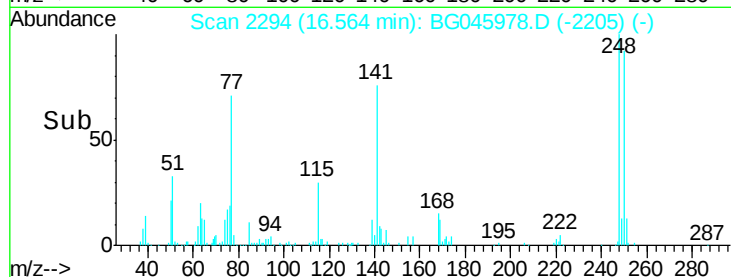
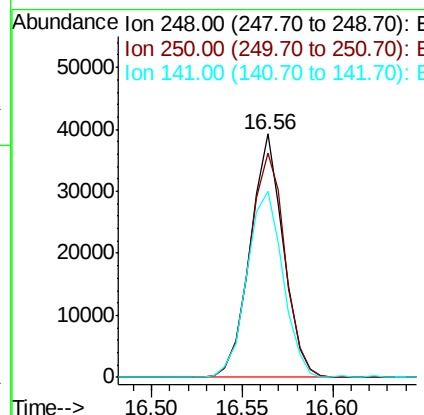
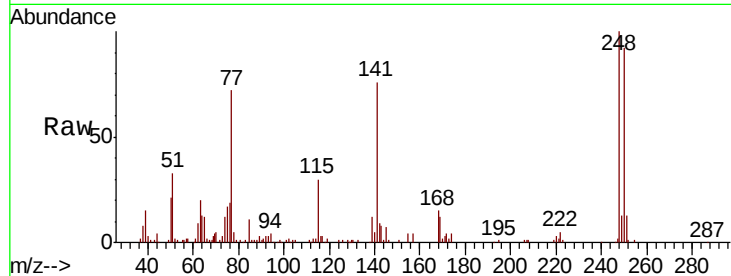
#67
4-Bromophenyl-phenylether
Concen: 6.407 ng
RT: 16.56 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

Tot Ion	Ratio	Lower	Upper
248	100		
250	92.1	76.6	114.8
141	76.2	62.7	94.1

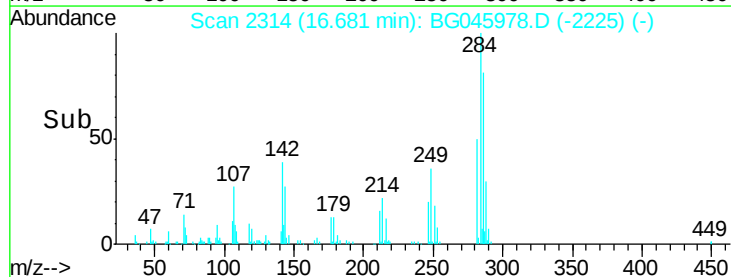
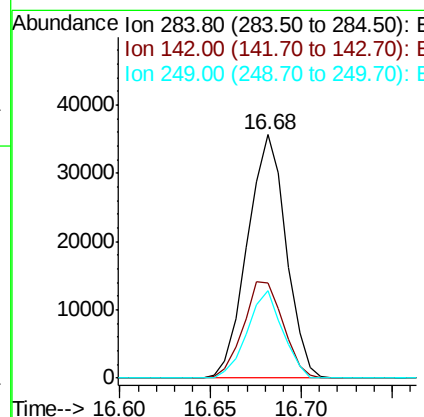
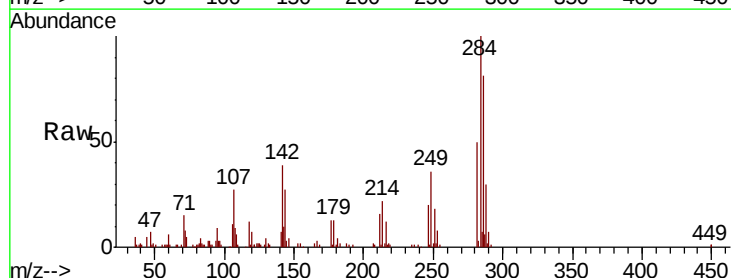
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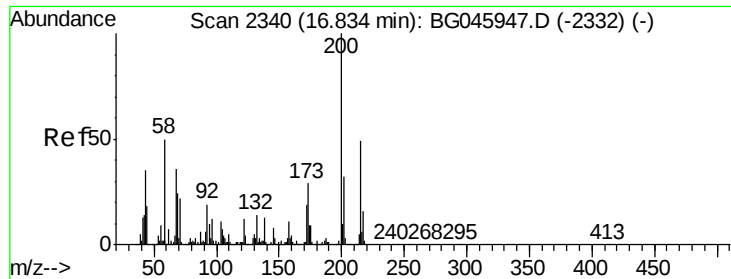
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#68
Hexachlorobenzene
Concen: 6.784 ng
RT: 16.68 min Scan# 2314
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
284	100		
142	39.3	31.3	46.9
249	35.8	26.8	40.2





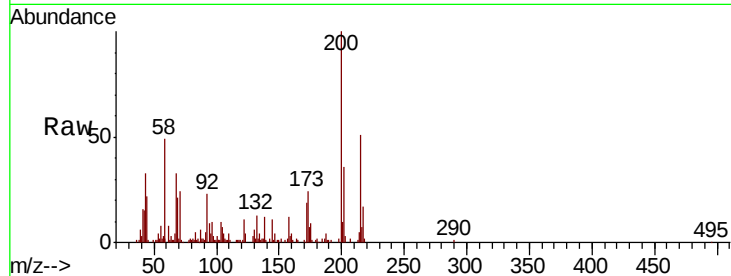
#69
Atrazine
Concen: 8.020 ng
RT: 16.83 min Scan# 2339
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

Tot Ion	Ratio	Lower	Upper
200	100		
173	23.8	9.1	49.1
215	51.4	28.8	68.8

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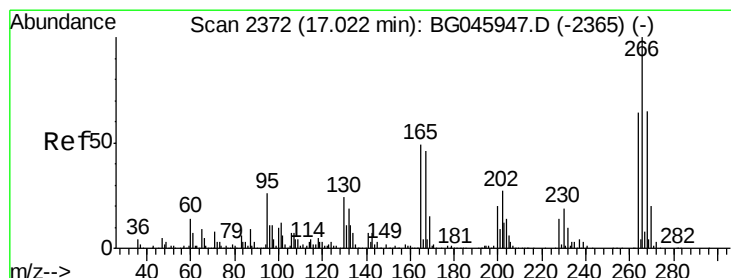
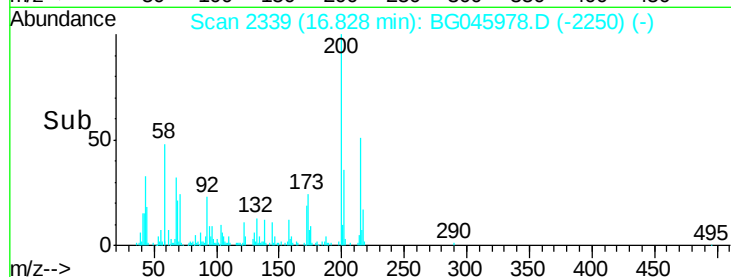
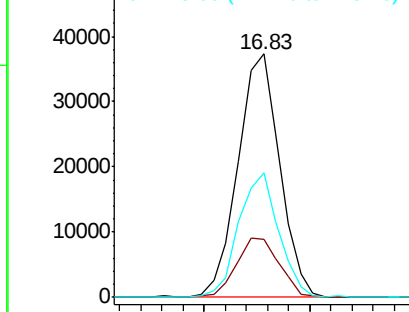


Abundance

Ion 200.00 (199.70 to 200.70): E

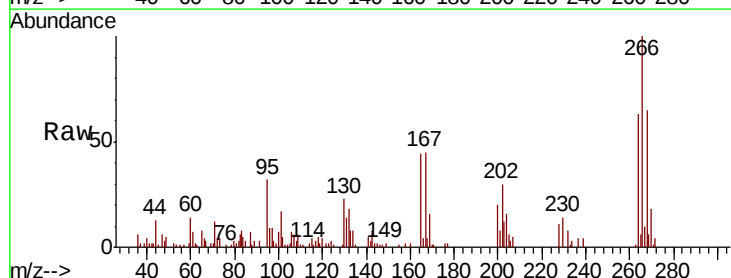
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 5.477 ng
RT: 17.02 min Scan# 2372
Delta R.T. -0.00 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.4	51.8	77.8
264	62.7	51.4	77.0

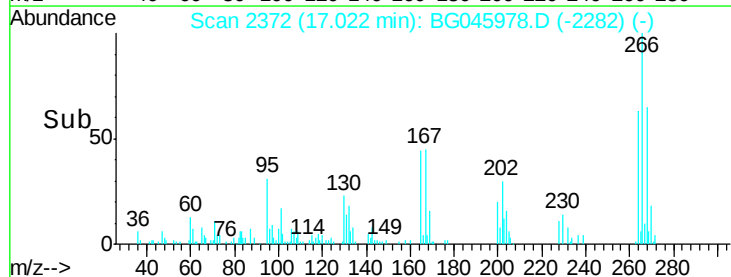
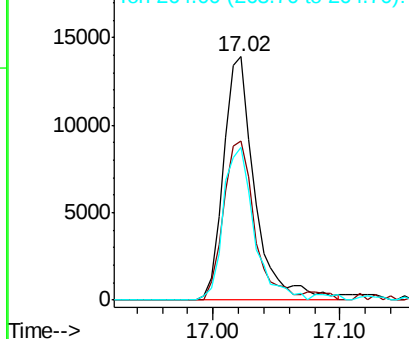


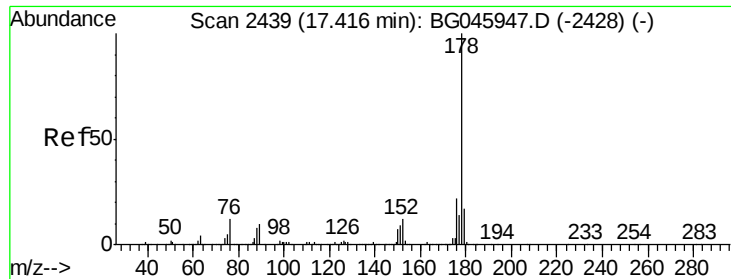
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





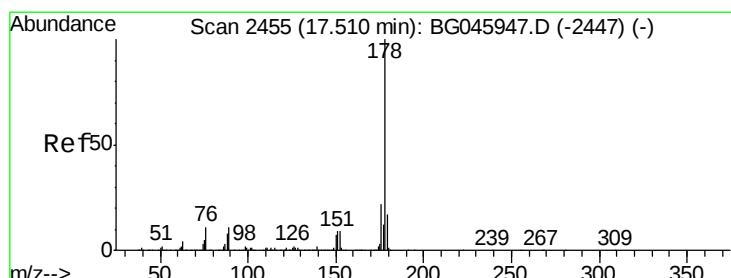
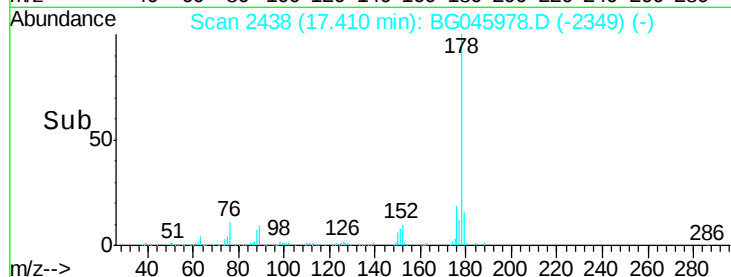
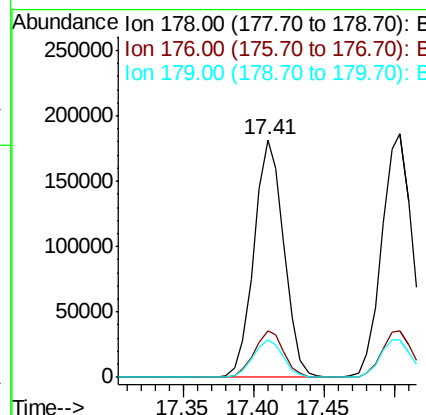
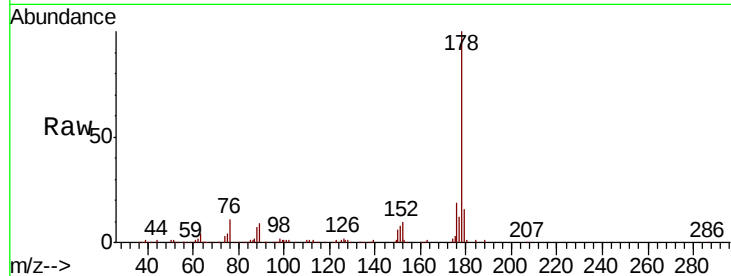
#71
Phenanthrene
Concen: 7.333 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	17.4	26.2
179	15.9	13.4	20.2

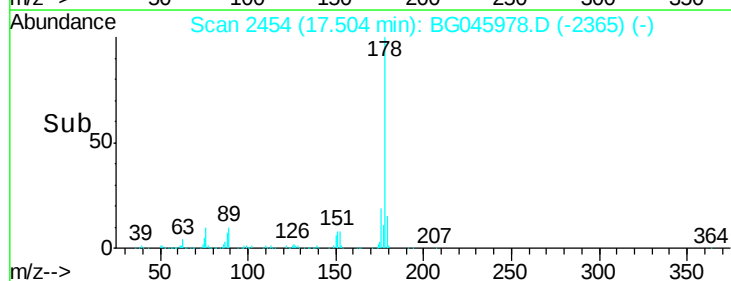
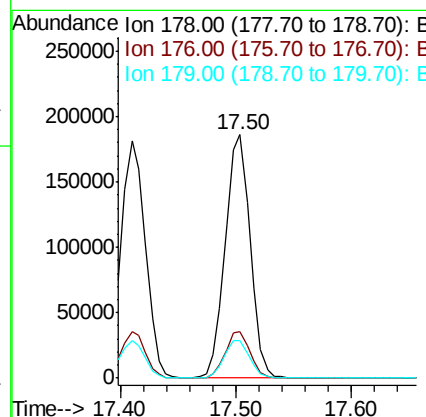
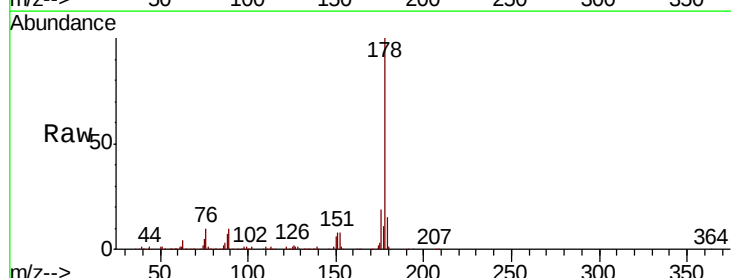
Manual Integrations
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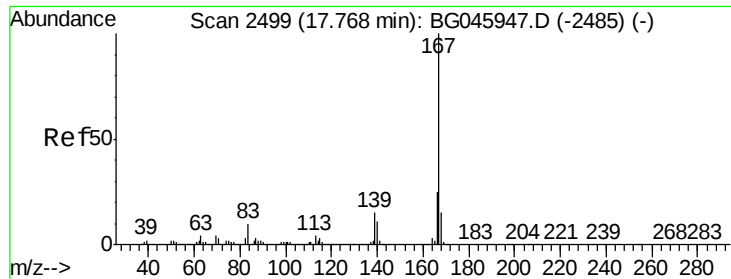
mohammad
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#72
Anthracene
Concen: 7.438 ng
RT: 17.50 min Scan# 2454
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	17.2	25.8
179	15.4	14.0	21.0





#73

Carbazole

Concen: 7.038 ng

RT: 17.76 min Scan# 2498

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

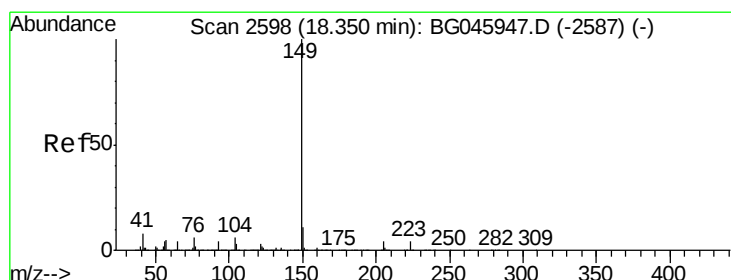
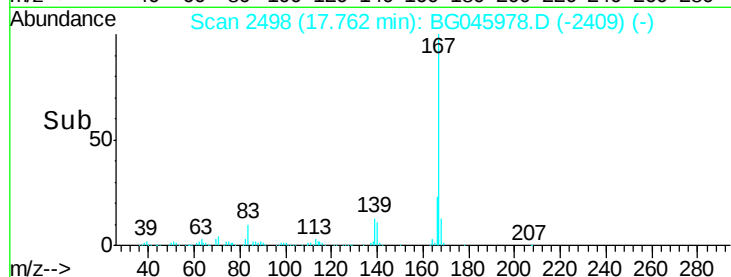
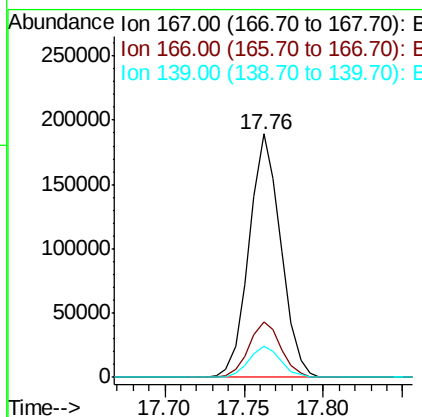
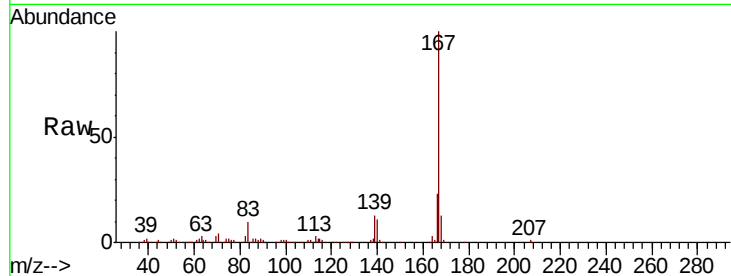
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	167	Resp:	263527
Ion Ratio		Lower	Upper
167	100		
166	22.6	20.4	30.6
139	12.7	11.8	17.8

Manual Integrations
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#74

Di-n-butylphthalate

Concen: 7.011 ng

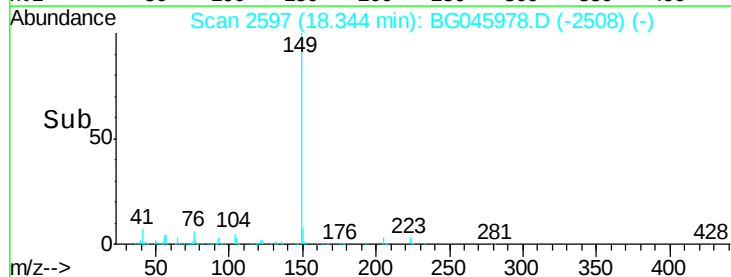
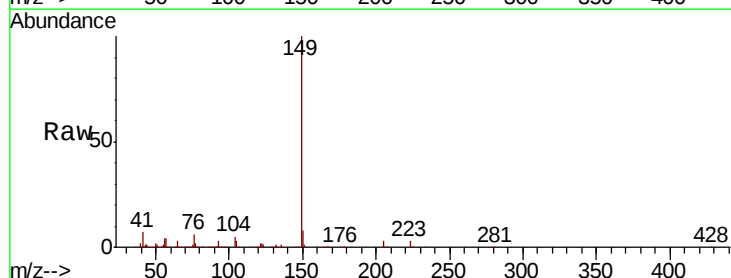
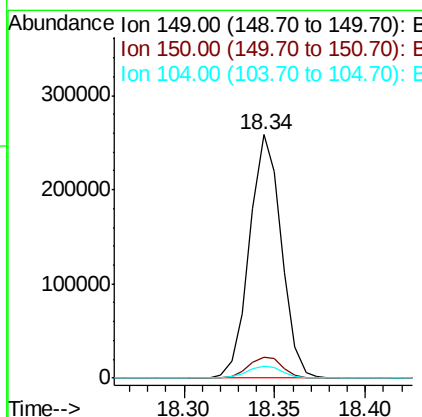
RT: 18.34 min Scan# 2597

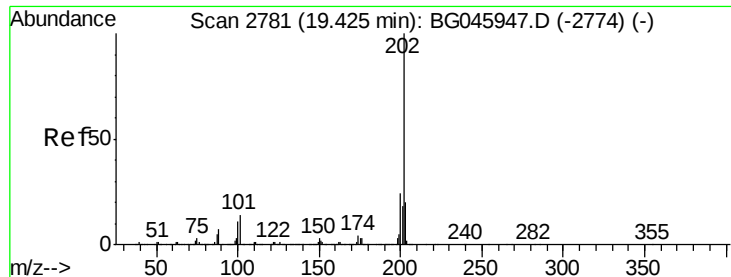
Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Tgt Ion:	149	Resp:	317234
Ion Ratio		Lower	Upper
149	100		
150	8.5	9.0	13.4#
104	5.1	5.2	7.8#





#75

Fluoranthene

Concen: 7.477 ng

RT: 19.42 min Scan# 2780

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

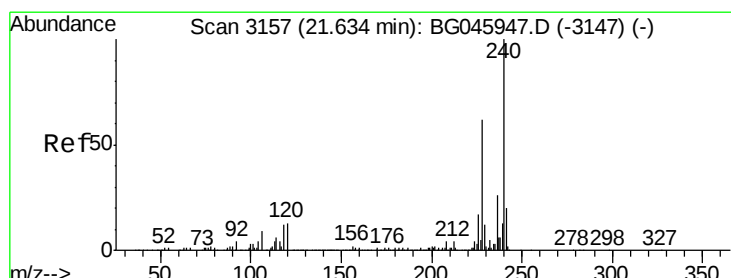
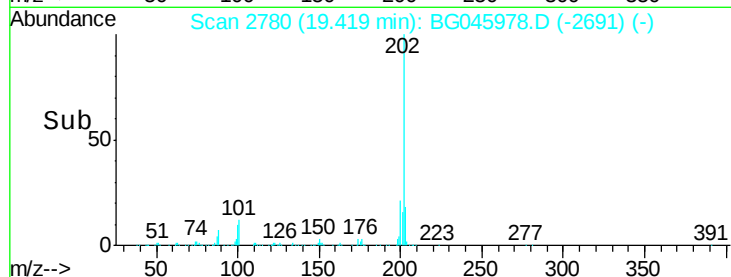
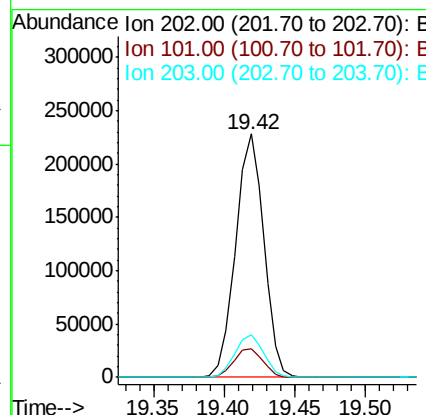
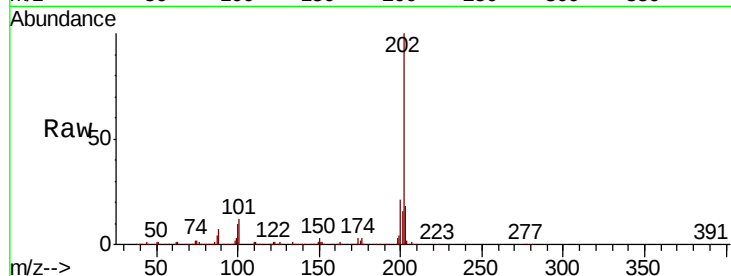
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
202	100	318171		
101	11.6	0.0	33.8	
203	17.7	0.4	40.4	

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#76

Chrysene-d12

Concen: 20.000 ng

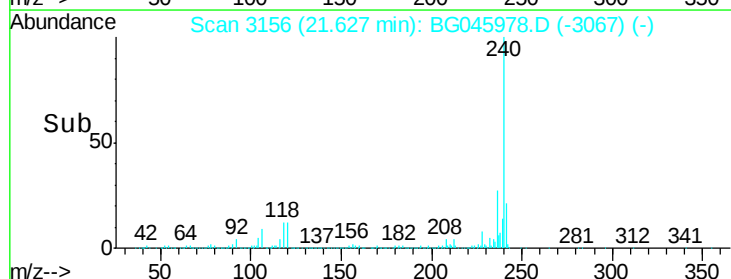
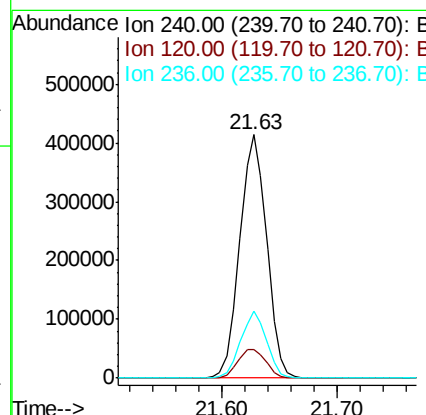
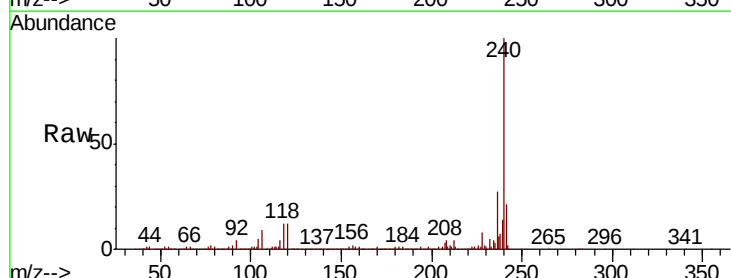
RT: 21.63 min Scan# 3156

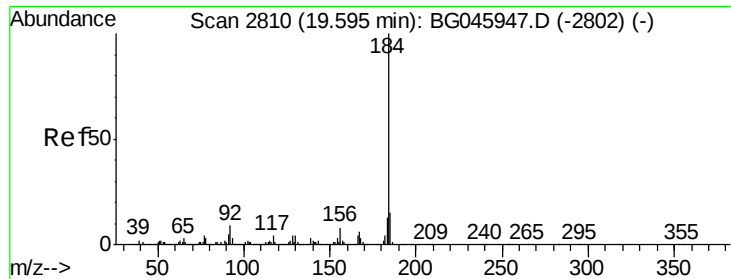
Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	666248		
120	11.9	10.6	16.0	
236	27.4	20.4	30.6	





#77

Benzidine

Concen: 9.024 ng

RT: 19.59 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

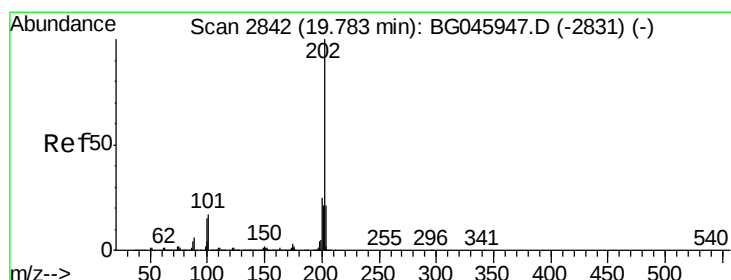
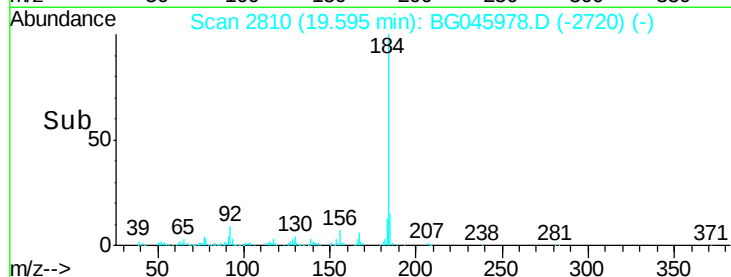
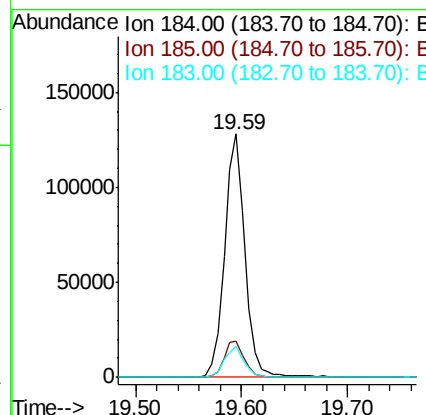
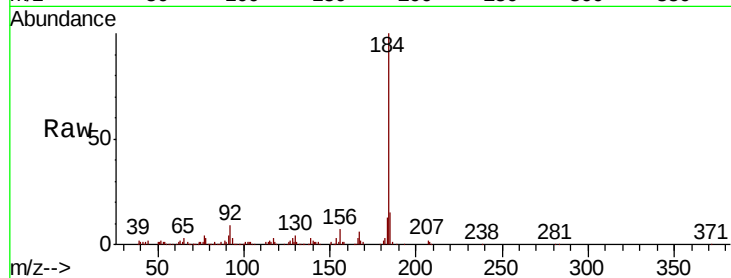
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	184	Resp:	171907
Ion Ratio	Lower	Upper	
184	100		
185	14.8	11.6	17.4
183	13.0	10.4	15.6

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#78

Pyrene

Concen: 7.234 ng

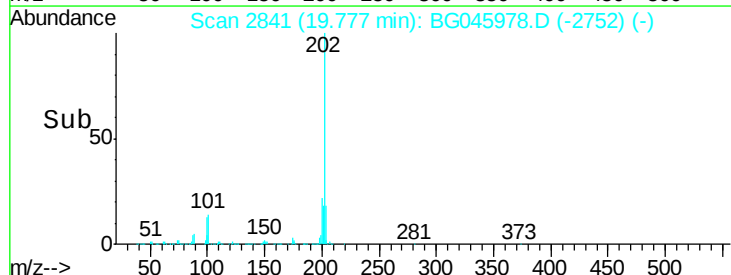
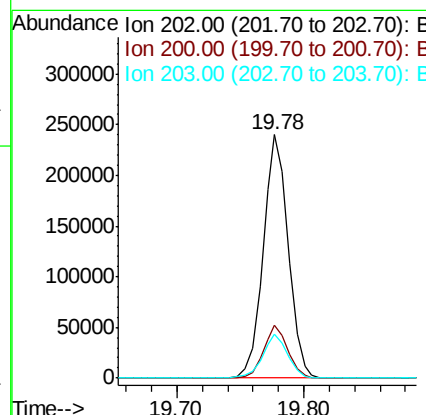
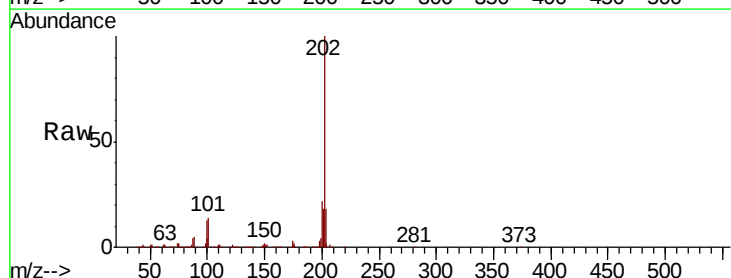
RT: 19.78 min Scan# 2841

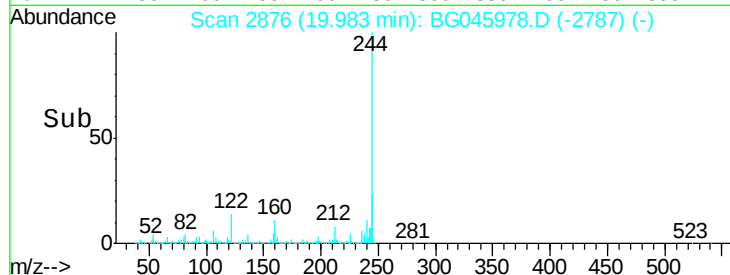
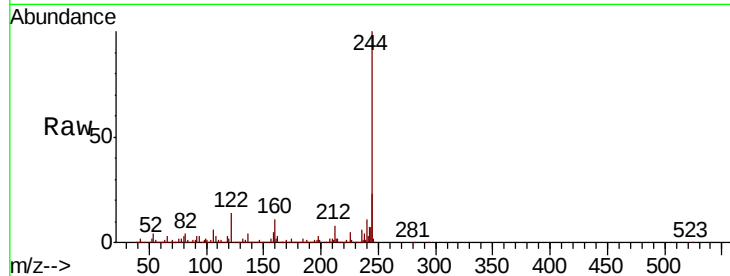
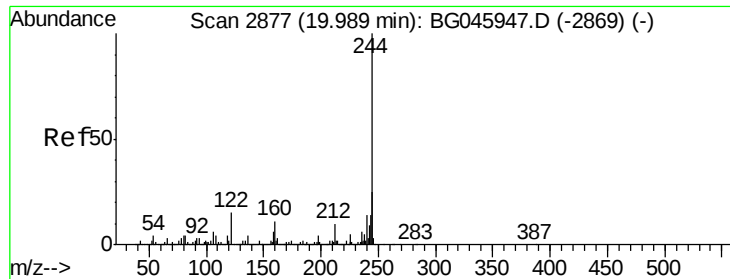
Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Tgt Ion:	202	Resp:	328988
Ion Ratio	Lower	Upper	
202	100		
200	21.9	20.1	30.1
203	18.3	16.5	24.7





#79

Terphenyl-d14

Concen: 57.783 ng

RT: 19.98 min Scan# 2876

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:244 Resp: 1729830

Ion Ratio Lower Upper

244 100

212 8.3 8.3 12.5#

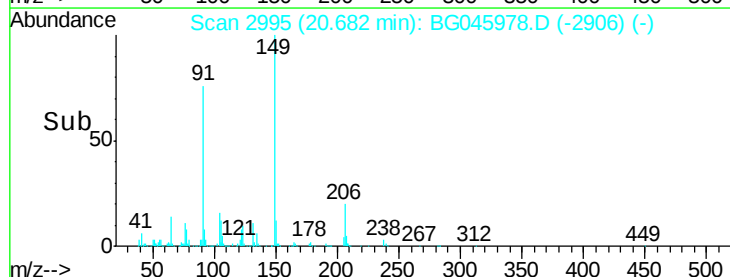
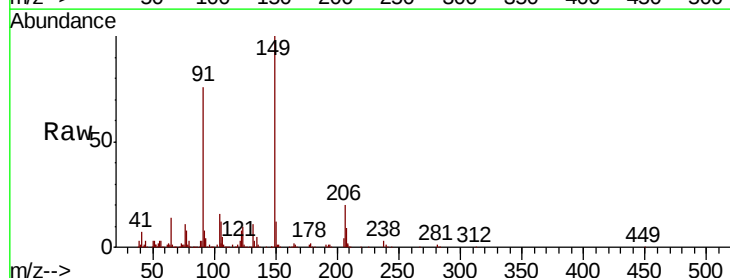
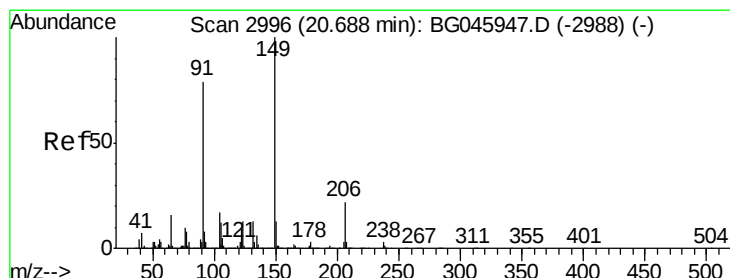
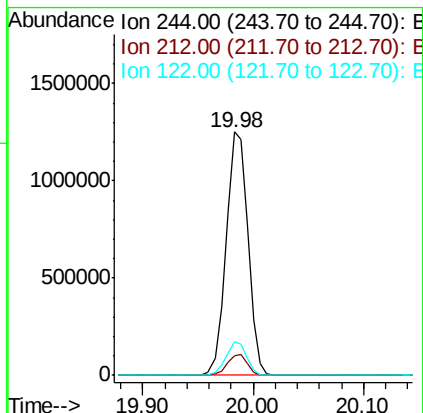
122 14.0 12.1 18.1

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#80

Butylbenzylphthalate

Concen: 6.241 ng

RT: 20.68 min Scan# 2995

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

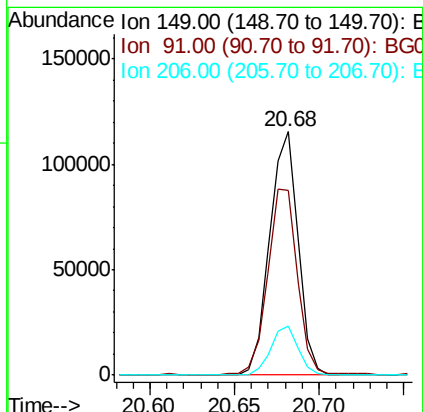
Tgt Ion:149 Resp: 134122

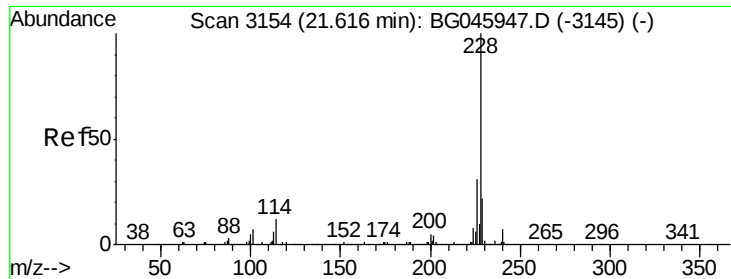
Ion Ratio Lower Upper

149 100

91 75.9 63.1 94.7

206 20.0 17.4 26.0





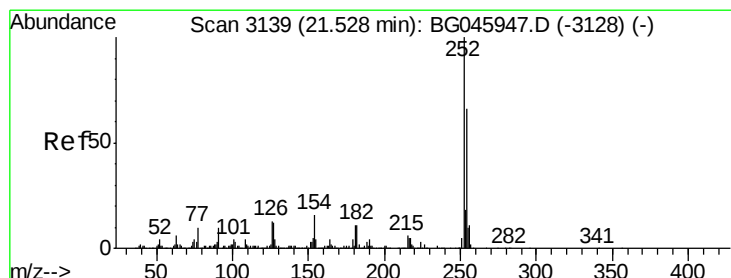
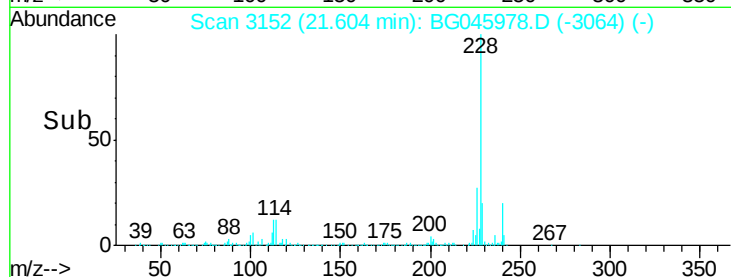
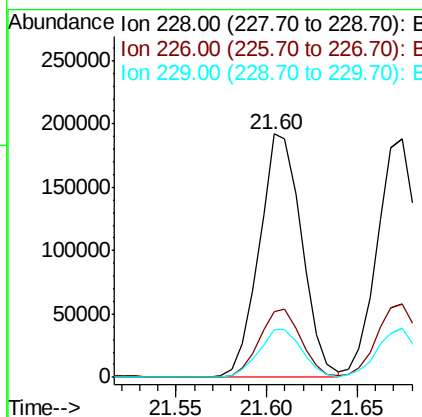
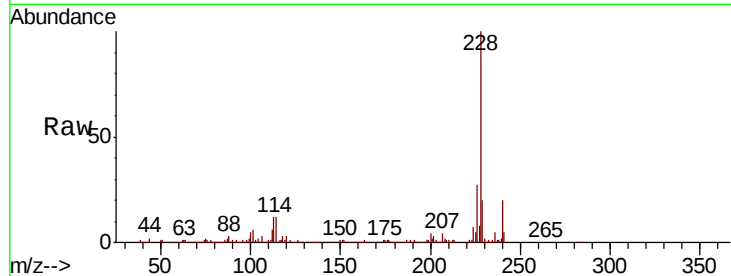
#81
Benzo(a)anthracene
Concen: 7.145 ng
RT: 21.60 min Scan# 3152
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	24.8	37.2
229	19.7	17.8	26.8

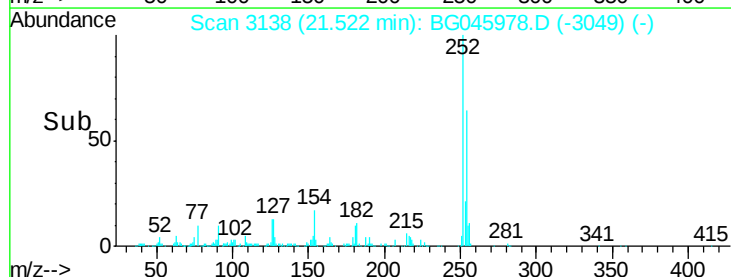
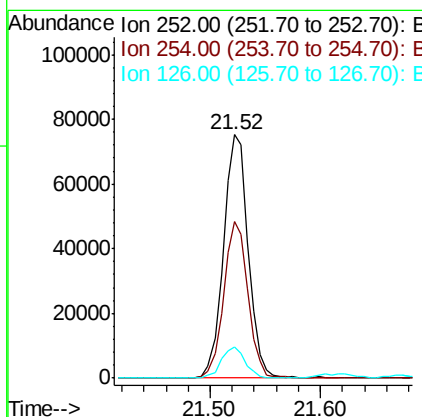
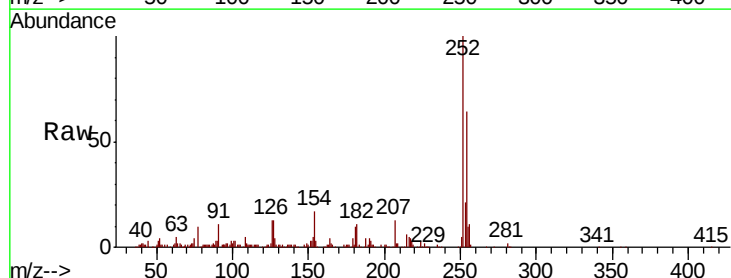
Manual Integrations
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#82
3,3'-Dichlorobenzidine
Concen: 7.271 ng
RT: 21.52 min Scan# 3138
Delta R.T. -0.01 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.1	52.9	79.3
126	12.7	10.4	15.6





#83

Chrysene

Concen: 7.090 ng

RT: 21.67 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

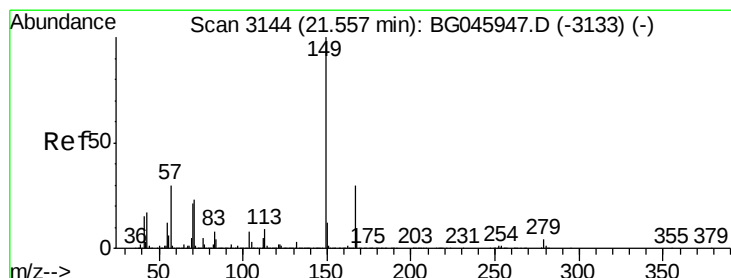
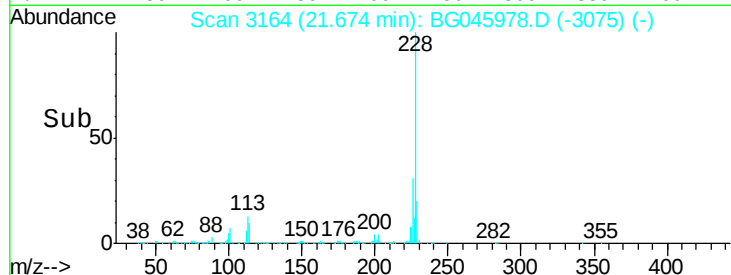
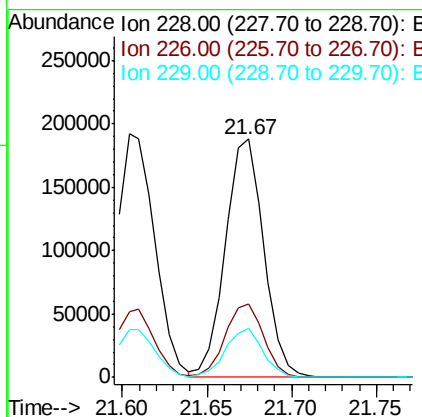
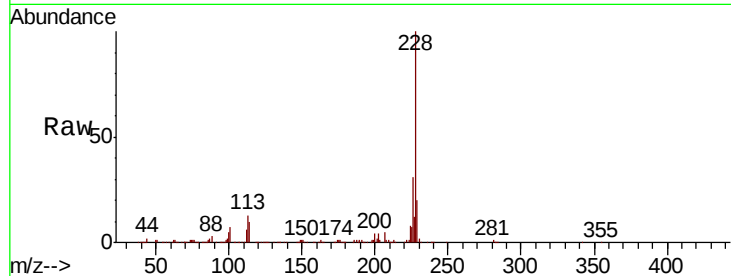
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	228	Resp:	295914
Ion Ratio	Lower	Upper	
228	100		
226	31.0	26.7	40.1
229	20.4	17.3	25.9

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#84

Bis(2-ethylhexyl)phthalate

Concen: 6.714 ng

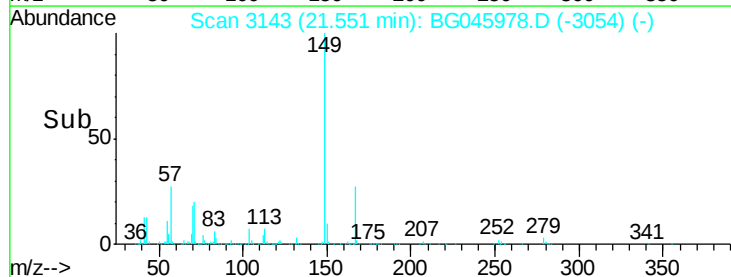
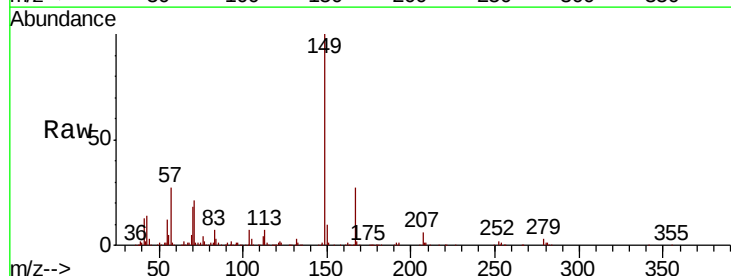
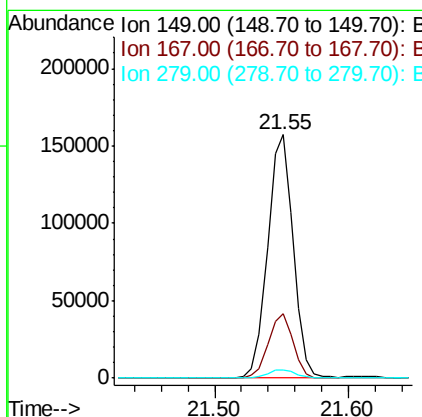
RT: 21.55 min Scan# 3143

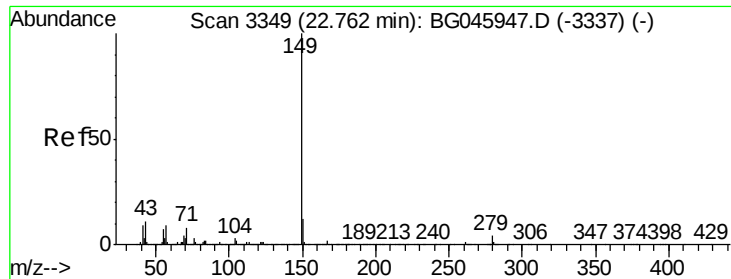
Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Tgt Ion:	149	Resp:	209439
Ion Ratio	Lower	Upper	
149	100		
167	26.7	23.8	35.8
279	3.4	3.5	5.3#





#85

Di-n-octyl phthalate

Concen: 6.363 ng

RT: 22.75 min Scan# 3347

Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Instrument :

BNA_G

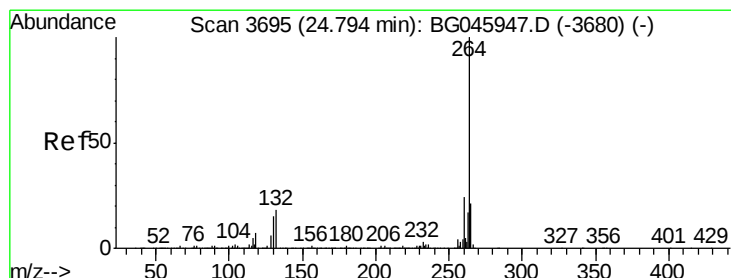
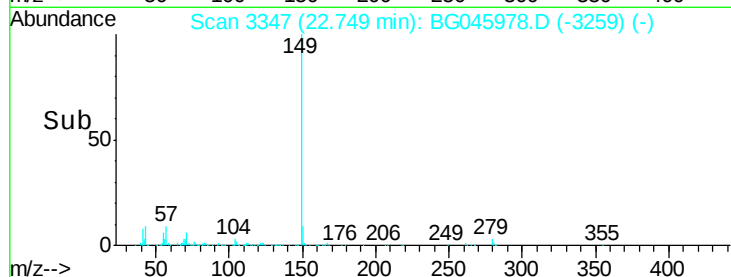
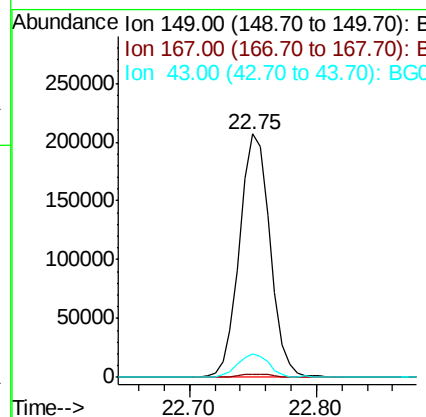
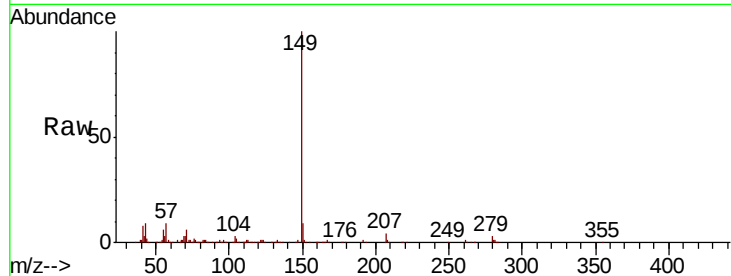
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	149	Resp:	344495
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.4	2.0
43	9.8	8.6	12.8

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#86

Perylene-d12

Concen: 20.000 ng

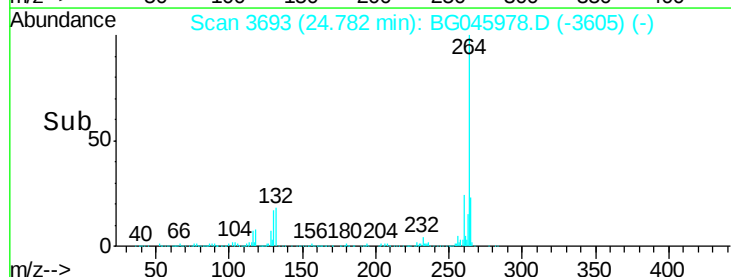
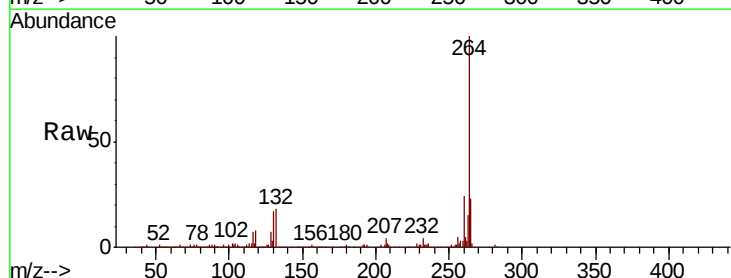
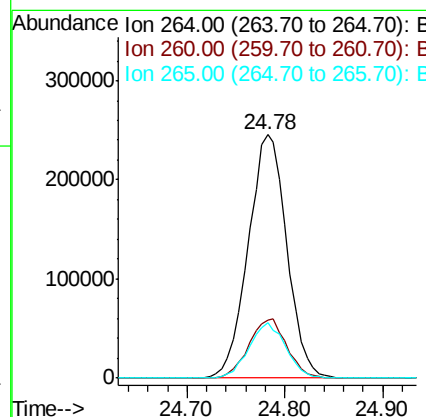
RT: 24.78 min Scan# 3693

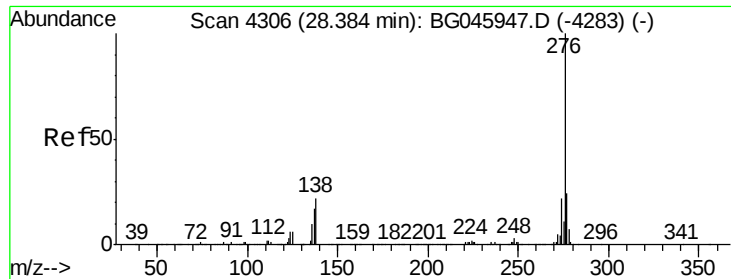
Delta R.T. -0.01 min

Lab File: BG045978.D

Acq: 8 Jul 2020 12:52

Tgt Ion:	264	Resp:	675917
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.0	28.6
265	22.7	16.9	25.3





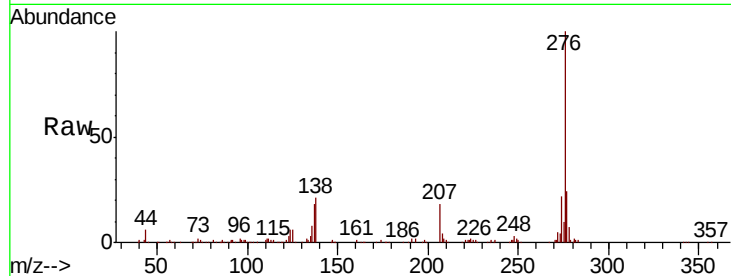
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.779 ng
 RT: 28.35 min Scan# 4301
 Delta R.T. -0.03 min
 Lab File: BG045978.D
 Acq: 8 Jul 2020 12:52

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.2	16.4	24.6
277	26.7	20.6	31.0

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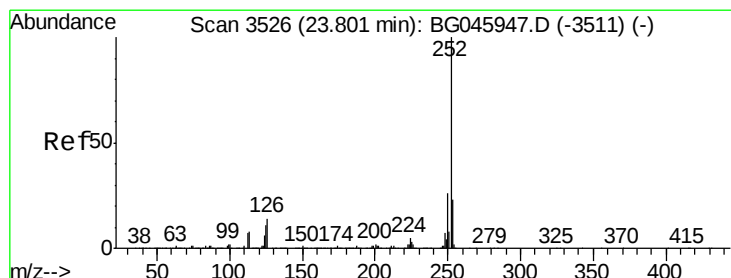
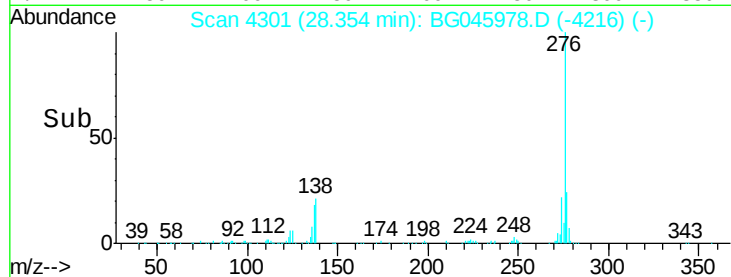
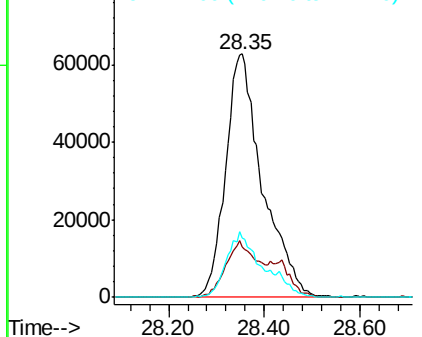


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88
 Benzo(b)fluoranthene
 Concen: 7.133 ng
 RT: 23.78 min Scan# 3523
 Delta R.T. -0.02 min
 Lab File: BG045978.D
 Acq: 8 Jul 2020 12:52

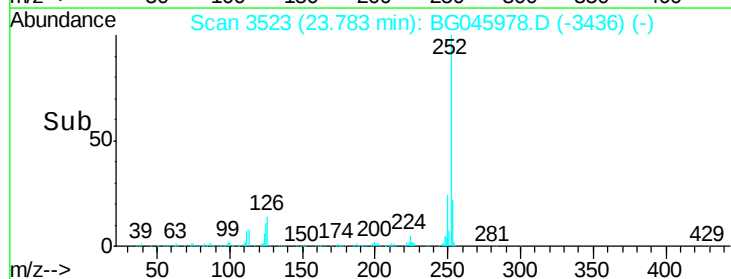
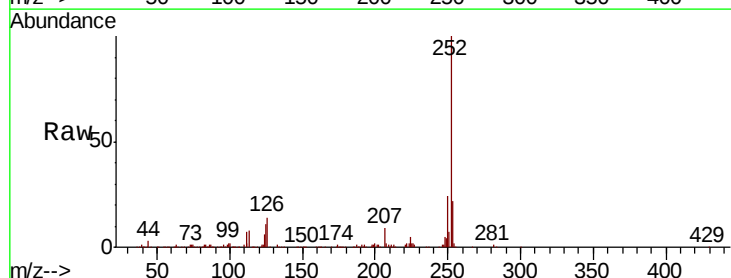
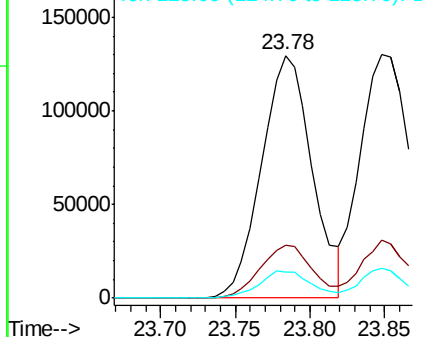
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.5	27.7
125	10.6	9.2	13.8

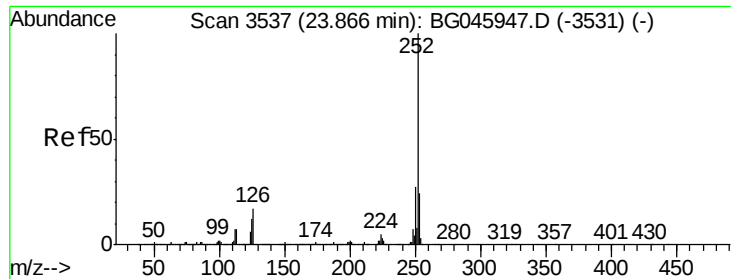
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





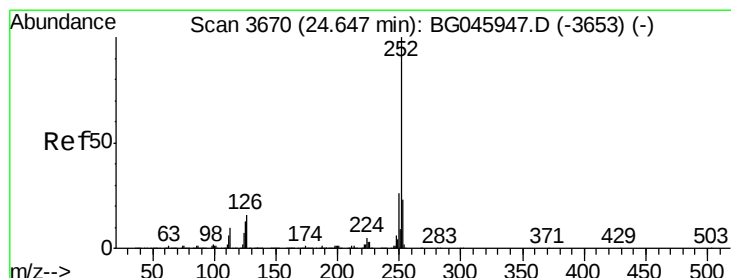
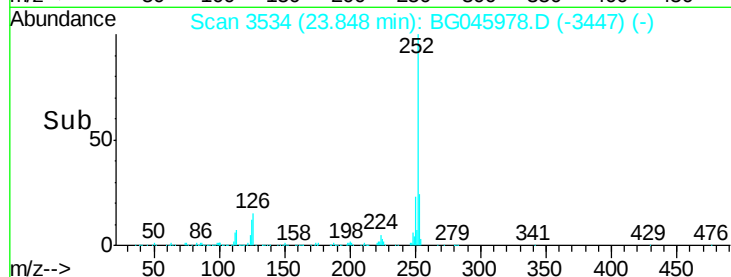
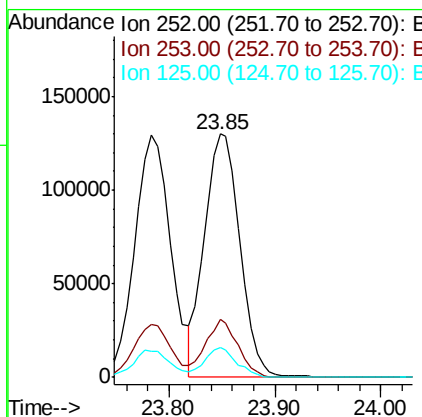
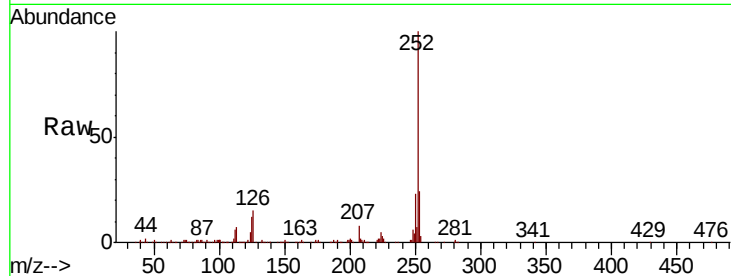
#89
Benzo(k)fluoranthene
Concen: 7.454 ng
RT: 23.85 min Scan# 3534
Delta R.T. -0.02 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.9	28.3
125	12.3	9.6	14.4

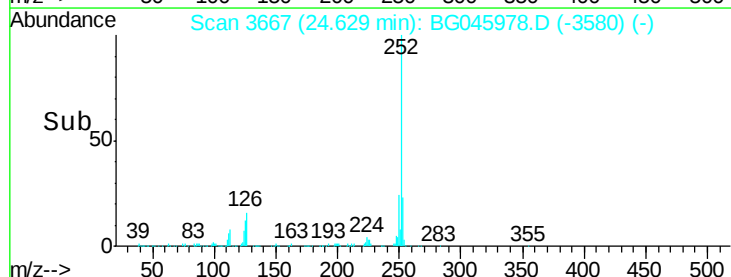
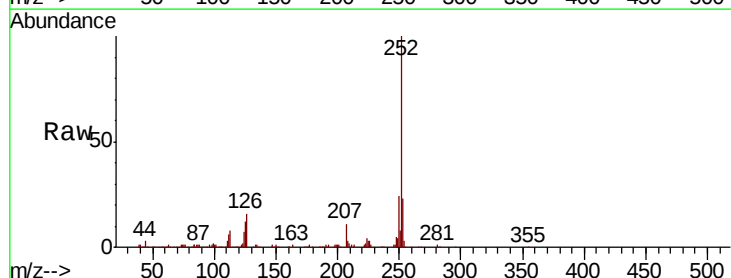
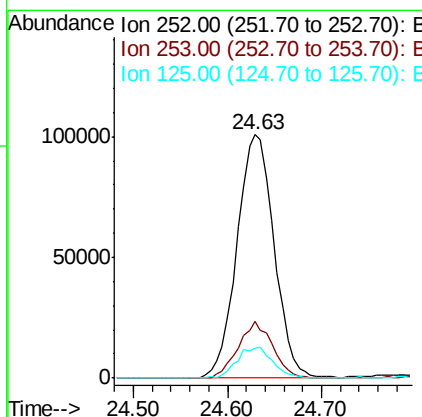
Manual Integrations
APPROVED

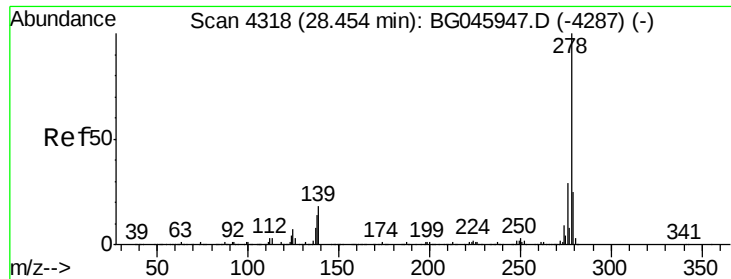
mohammad
7/10/2020 11:45:39 AM



#90
Benzo(a)pyrene
Concen: 6.819 ng
RT: 24.63 min Scan# 3667
Delta R.T. -0.02 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.6	28.0
125	12.3	10.5	15.7





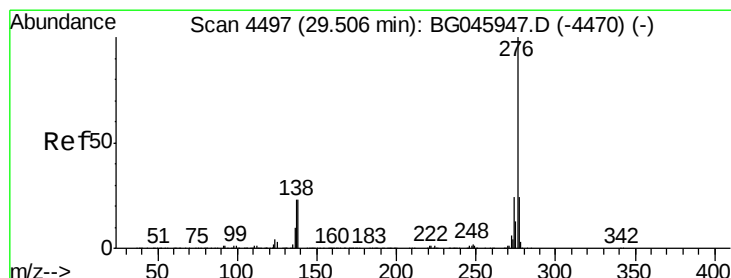
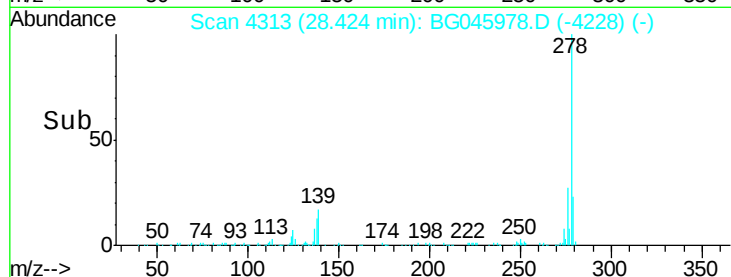
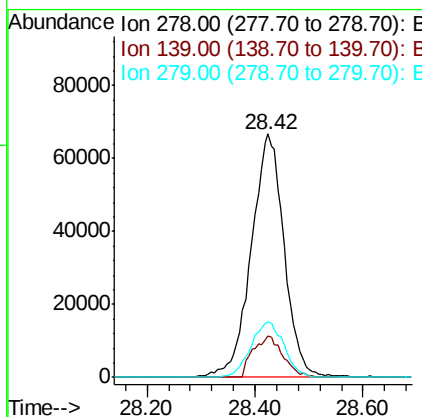
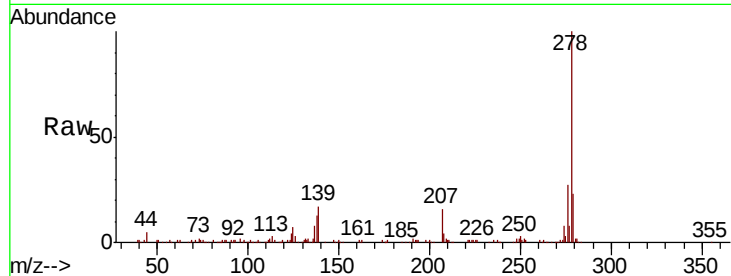
#91
Dibenzo(a,h)anthracene
Concen: 7.003 ng
RT: 28.42 min Scan# 4313
Delta R.T. -0.03 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.0	14.3	21.5
279	22.7	19.8	29.6

Manual Integrations
APPROVED

mohammad
7/10/2020 11:45:39 AM



#92
Benzo(g,h,i)perylene
Concen: 7.015 ng
RT: 29.46 min Scan# 4489
Delta R.T. -0.05 min
Lab File: BG045978.D
Acq: 8 Jul 2020 12:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.4	19.4	29.0
138	21.9	18.6	28.0

