

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070720\
 Data File : BG045956.D
 Acq On : 7 Jul 2020 11:04
 Operator : CG/JU
 Sample : L2182-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Manual Integrations
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 7/9/2020 10:55:12 AM

Quant Time: Jul 07 12:34:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 12:24:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	140651	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	567265	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	340771	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	690695	20.00	ng	0.00
76) Chrysene-d12	21.63	240	638083	20.00	ng	0.00
86) Perylene-d12	24.79	264	647709	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	936100	107.93	ng	0.00
7) Phenol-d6	7.16	99	1320217	105.73	ng	0.00
23) Nitrobenzene-d5	9.16	82	1142434	115.92	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	361637	114.34	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	2257957	103.35	ng	0.00
79) Terphenyl-d14	19.99	244	2610336	91.04	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	15857	3.963	ng	# 92
3) Pyridine	3.91	79	39576	3.271	ng	# 95
4) n-Nitrosodimethylamine	3.82	42	15861	3.877	ng	# 74
6) Aniline	7.33	93	62512	3.913	ng	98
8) 2-Chlorophenol	7.58	128	35148	3.765	ng	95
9) Benzaldehyde	7.15	77	40764	5.153	ng	95
10) Phenol	7.19	94	46837	3.739	ng	89
11) bis(2-Chloroethyl)ether	7.43	93	40605	3.920	ng	94
12) 1,3-Dichlorobenzene	7.90	146	42374	3.937	ng	92
13) 1,4-Dichlorobenzene	8.05	146	40101	3.788	ng	97
14) 1,2-Dichlorobenzene	8.36	146	38956	3.823	ng	97
15) Benzyl Alcohol	8.24	79	37139	3.793	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.54	45	49759	3.682	ng	97
17) 2-Methylphenol	8.44	107	32272	3.434	ng	94
18) Hexachloroethane	9.10	117	15188	3.729	ng	94
19) n-Nitroso-di-n-propylamine	8.81	70	35499	4.047	ng	94
20) 3+4-Methylphenols	8.76	107	43527	3.398	ng	96
22) Acetophenone	8.82	105	62692	4.137	ng	# 97
24) Nitrobenzene	9.20	77	42094	3.870	ng	# 98
25) Isophorone	9.73	82	89526	3.721	ng	# 98
26) 2-Nitrophenol	9.91	139	11365	3.205	ng	96
27) 2,4-Dimethylphenol	9.97	122	33655	3.930	ng	92
28) bis(2-Chloroethoxy)methane	10.21	93	54980	4.069	ng	95
29) 2,4-Dichlorophenol	10.44	162	30841	3.479	ng	96
30) 1,2,4-Trichlorobenzene	10.67	180	37231	3.790	ng	97
31) Naphthalene	10.85	128	118234	3.888	ng	99
32) Benzoic acid	10.02	122	9938m	2.143	ng	
33) 4-Chloroaniline	10.95	127	49789	3.664	ng	99
34) Hexachlorobutadiene	11.16	225	21329	3.719	ng	92
35) Caprolactam	11.69	113	12659	3.761	ng	86
36) 4-Chloro-3-methylphenol	12.07	107	36233	3.588	ng	95
37) 2-Methylnaphthalene	12.46	142	86808	4.016	ng	96
38) 1-Methylnaphthalene	12.68	142	81814	4.010	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.83	216	40246	4.190	ng	98

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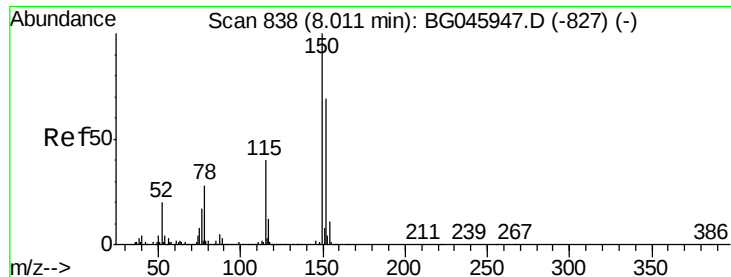
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.82	237	21025	3.689	nq	96
43) 2,4,6-Trichlorophenol	13.06	196	22361	3.442	nq	91
44) 2,4,5-Trichlorophenol	13.13	196	24427	3.325	nq	94
46) 1,1'-Biphenyl	13.47	154	113281	4.419	nq	94
47) 2-Chloronaphthalene	13.50	162	77345	3.824	nq	97
48) 2-Nitroaniline	13.70	65	16214	3.425	nq	96
49) Acenaphthylene	14.35	152	131157	4.019	nq	97
50) Dimethylphthalate	14.08	163	95605	3.738	nq	99
51) 2,6-Dinitrotoluene	14.19	165	13126	3.308	nq	98
52) Acenaphthene	14.69	154	78298	3.804	nq	97
53) 3-Nitroaniline	14.52	138	14419	2.932	nq #	92
54) 2,4-Dinitrophenol	14.72	184	2658	1.899	nq #	52
55) Dibenzofuran	15.03	168	122381	4.056	nq	94
56) 4-Nitrophenol	14.82	139	12271	2.945	nq	96
57) 2,4-Dinitrotoluene	14.98	165	13776	2.810	nq #	92
58) Fluorene	15.68	166	99956	4.038	nq	99
59) 2,3,4,6-Tetrachlorophenol	15.25	232	20116	3.547	nq #	93
60) Diethylphthalate	15.45	149	100690	3.754	nq	99
61) 4-Chlorophenyl-phenylether	15.67	204	45416	3.688	nq	97
62) 4-Nitroaniline	15.67	138	16542	3.130	nq	100
63) Azobenzene	15.96	77	115913	4.027	nq	96
65) 4,6-Dinitro-2-methylphenol	15.74	198	4853	2.399	nq	96
66) n-Nitrosodiphenylamine	15.88	169	83845	3.917	nq	97
67) 4-Bromophenyl-phenylether	16.56	248	28384	3.680	nq	95
68) Hexachlorobenzene	16.68	284	29158	3.767	nq	98
69) Atrazine	16.83	200	30903	4.883	nq	98
70) Pentachlorophenol	17.02	266	12975	3.015	nq	91
71) Phenanthrene	17.41	178	149854	4.104	nq	98
72) Anthracene	17.50	178	152993	4.129	nq	96
73) Carbazole	17.77	167	142379	3.833	nq	95
74) Di-n-butylphthalate	18.35	149	174878	3.896	nq	96
75) Fluoranthene	19.42	202	169426	4.014	nq	97
77) Benzidine	19.59	184	86154	4.722	nq	98
78) Pyrene	19.78	202	177576m	4.077	nq	
80) Butylbenzylphthalate	20.68	149	67638	3.286	nq	97
81) Benzo(a)anthracene	21.61	228	163349	3.893	nq	93
82) 3,3'-Dichlorobenzidine	21.53	252	63748	4.112	nq	97
83) Chrysene	21.67	228	153891	3.850	nq	98
84) Bis(2-ethylhexyl)phthalate	21.56	149	112178	3.755	nq #	93
85) Di-n-octyl phthalate	22.75	149	189159	3.648	nq	99
87) Indeno(1,2,3-cd)pyrene	28.36	276	182152	3.844	nq #	85
88) Benzo(b)fluoranthene	23.79	252	158700	3.860	nq	94
89) Benzo(k)fluoranthene	23.85	252	161077	4.143	nq	96
90) Benzo(a)pyrene	24.63	252	148812	3.849	nq	98
91) Dibenzo(a,h)anthracene	28.41	278	147167	3.851	nq	98
92) Benzo(g,h,i)perylene	29.46	276	151157	3.930	nq	99

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



#1

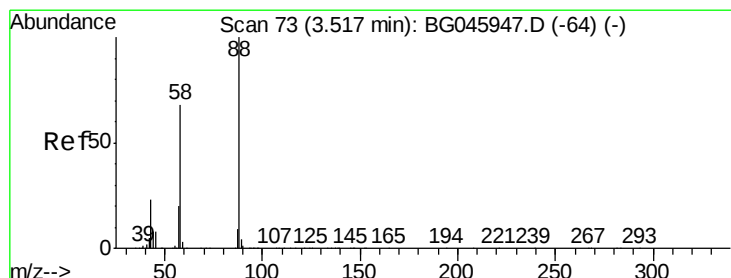
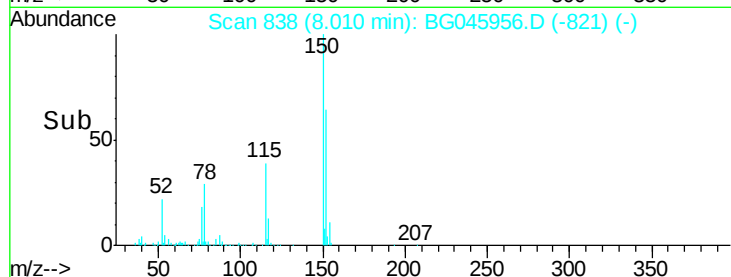
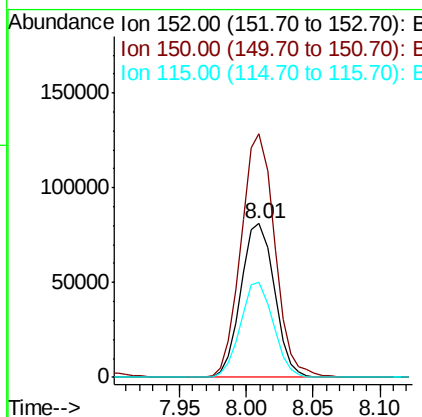
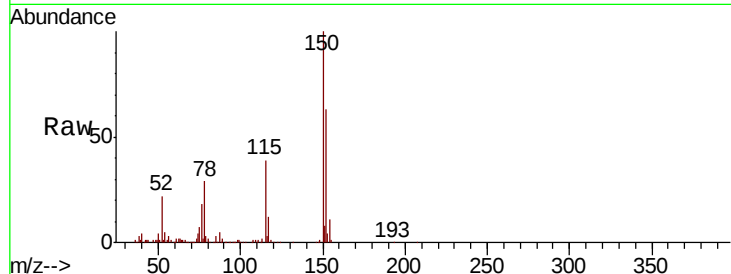
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	116.7	175.1
115	61.5	47.4	71.0

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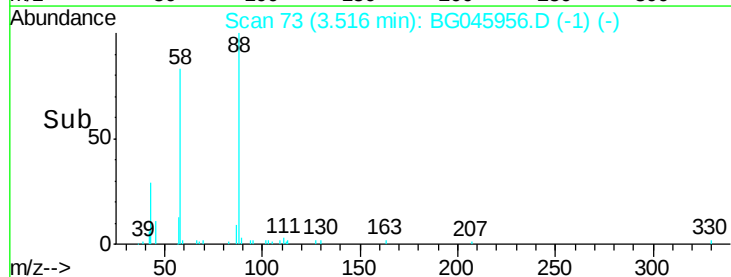
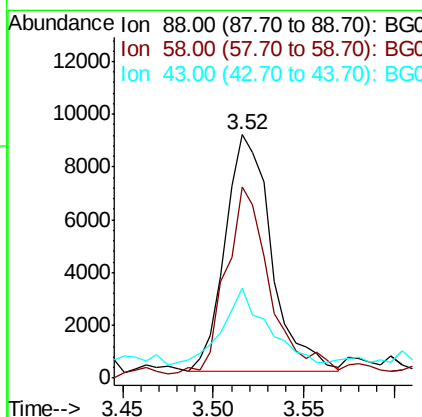
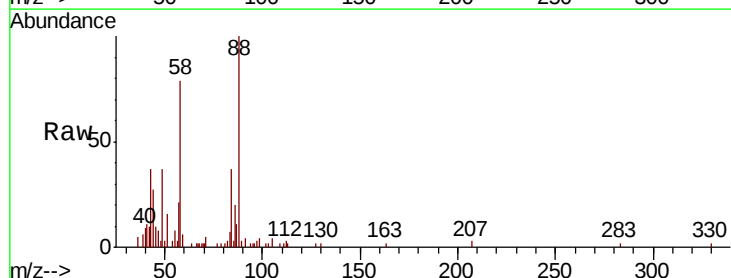
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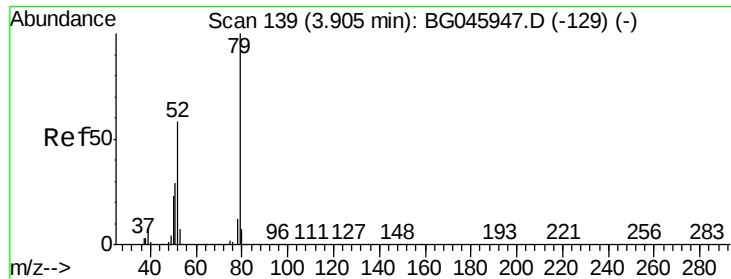


#2

1,4-Dioxane
Concen: 3.963 ng
RT: 3.52 min Scan# 73
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
88	100		
58	74.7	55.2	82.8
43	29.2	19.4	29.0





#3

Pvridine

Concen: 3.271 ng

RT: 3.91 min Scan# 140

Delta R.T. 0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

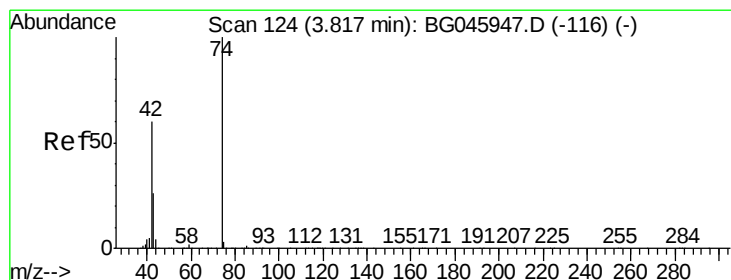
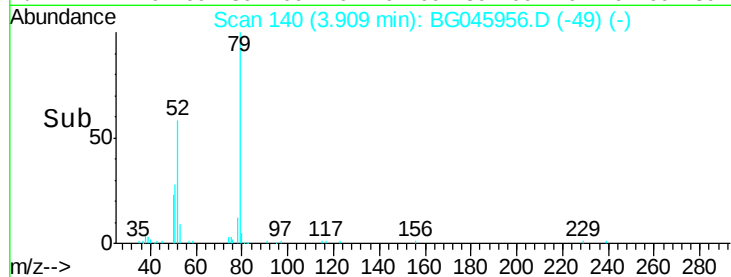
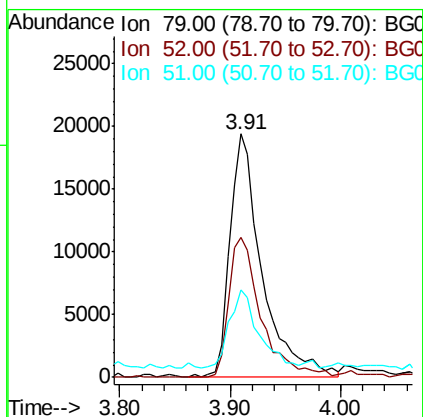
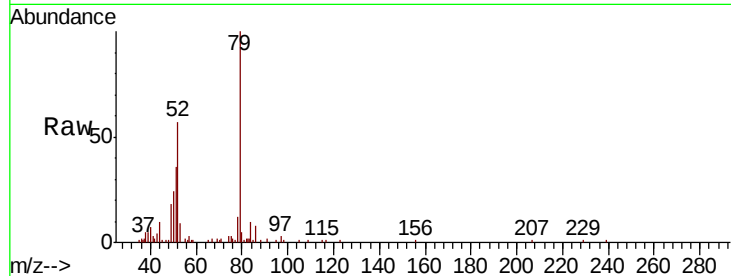
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
79	100		
52	57.3	46.5	69.7
51	35.7	23.5	35.3#

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#4

n-Nitrosodimethylamine

Concen: 3.877 ng

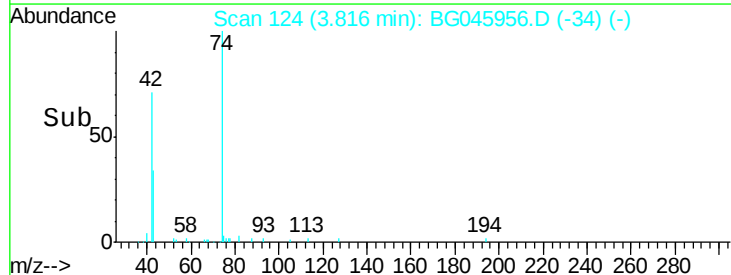
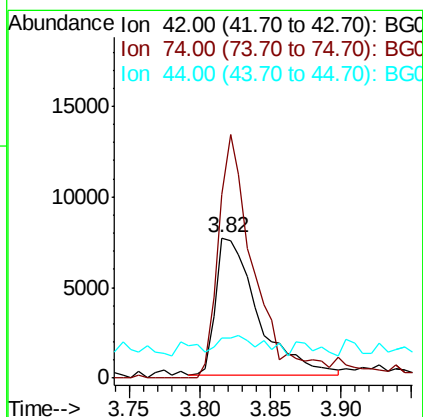
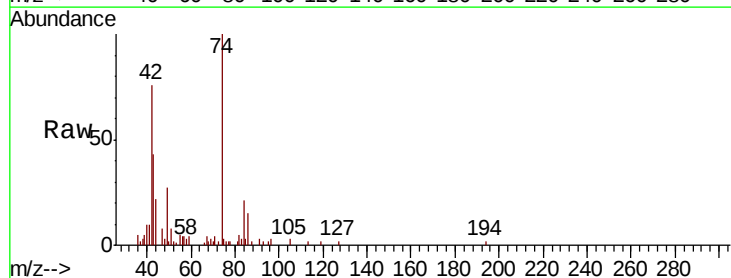
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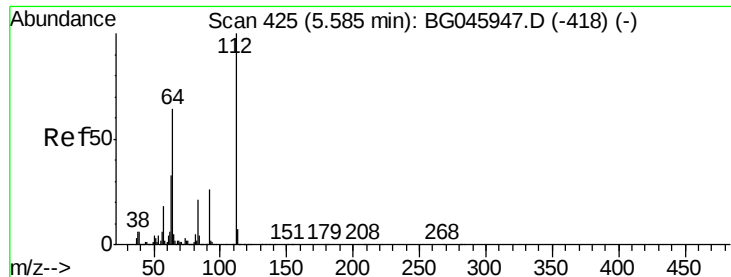
Delta R.T. -0.00 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
42	100		
74	131.4	131.9	197.9#
44	28.4	7.7	11.5#





#5

2-Fluorophenol

Concen: 107.930 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

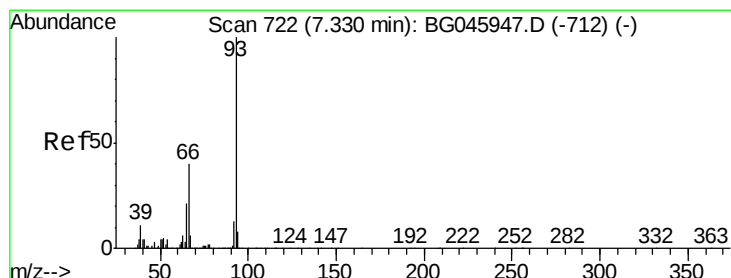
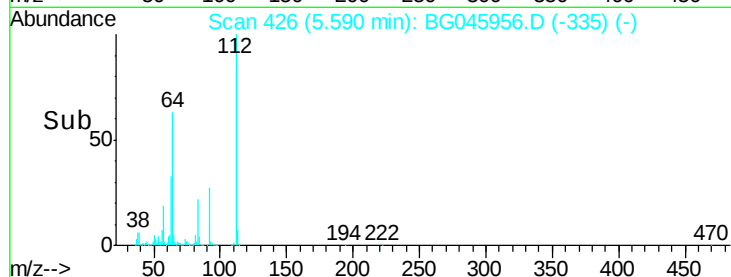
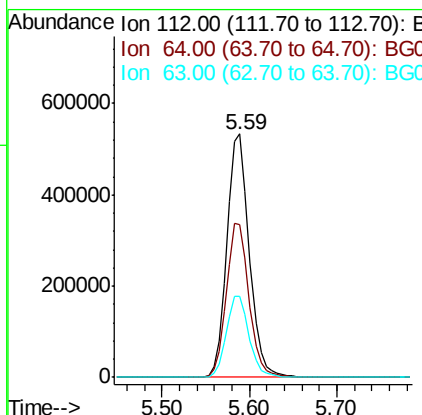
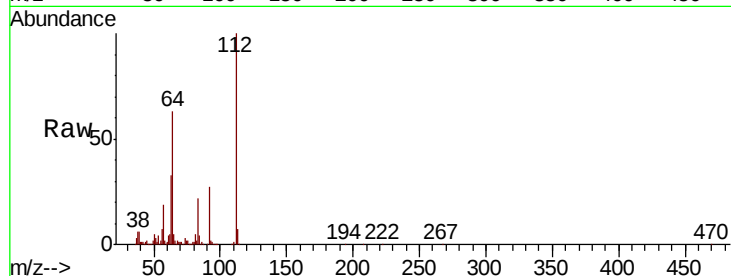
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	112	Resp:	936100
Ion Ratio	Lower	Upper	
112	100		
64	62.7	51.4	77.2
63	33.3	26.6	40.0

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#6

Aniline

Concen: 3.913 ng

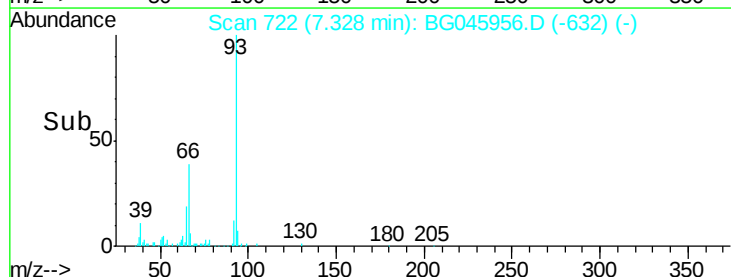
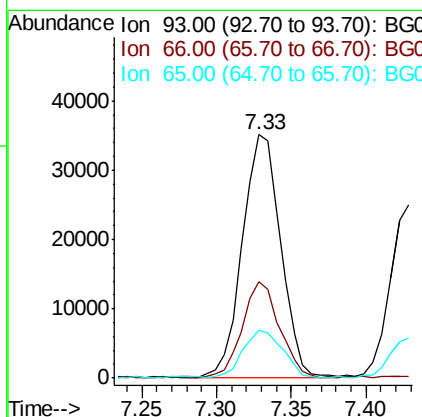
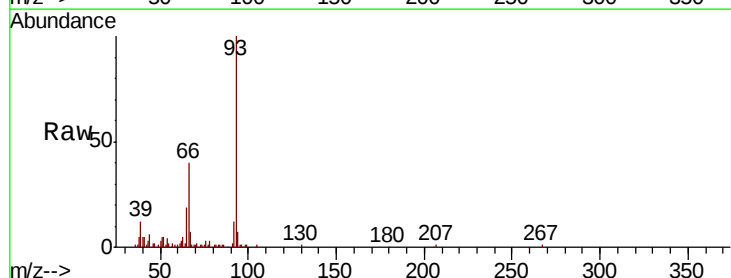
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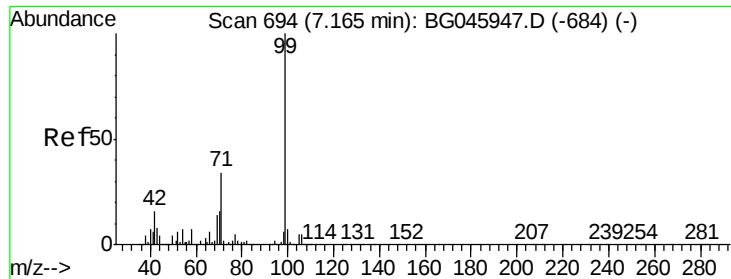
Delta R.T. -0.00 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Tgt Ion:	93	Resp:	62512
Ion Ratio	Lower	Upper	
93	100		
66	39.8	32.3	48.5
65	19.5	16.6	25.0





#7

Phenol-d6

Concen: 105.728 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

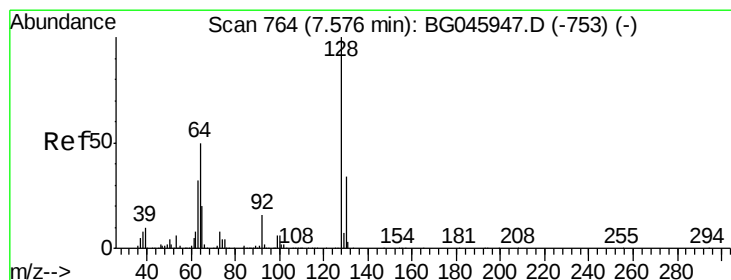
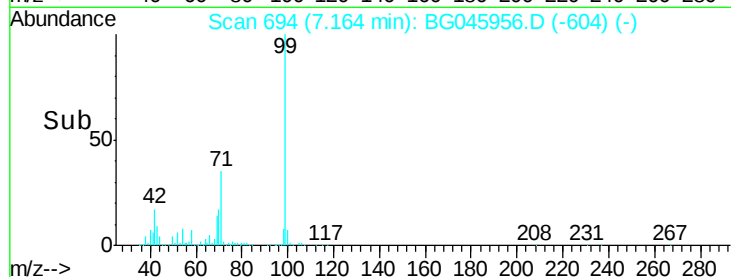
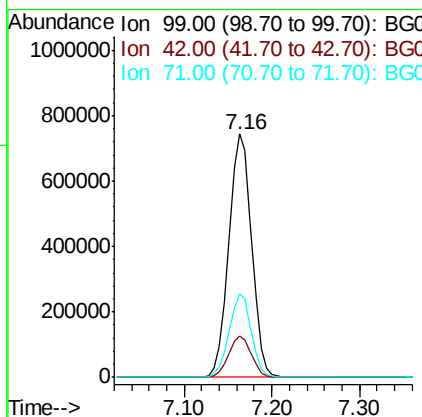
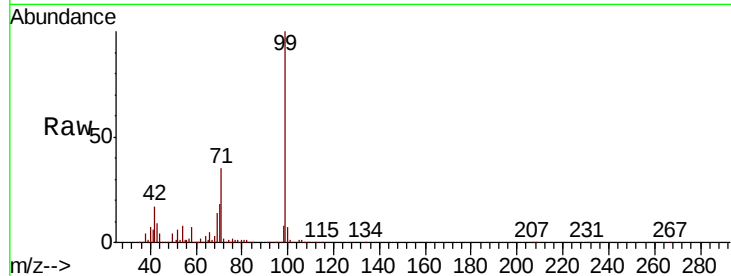
ClientSampleId :

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Tot Ion:	99	Resp:	1320217
Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.0	19.4
71	34.6	27.5	41.3

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#8

2-Chlorophenol

Concen: 3.765 ng

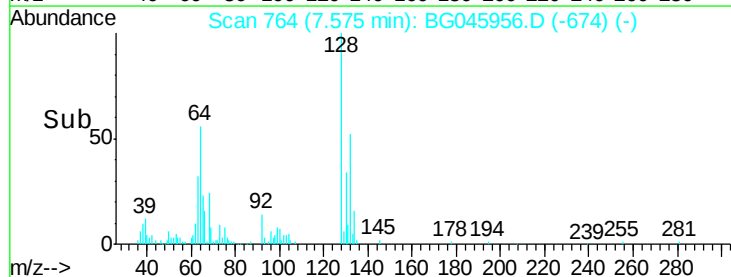
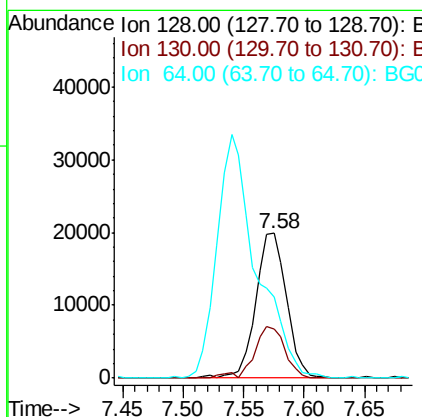
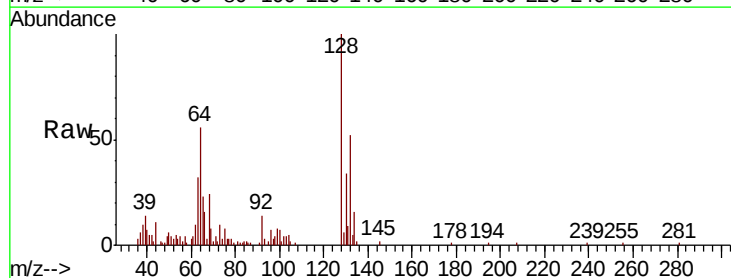
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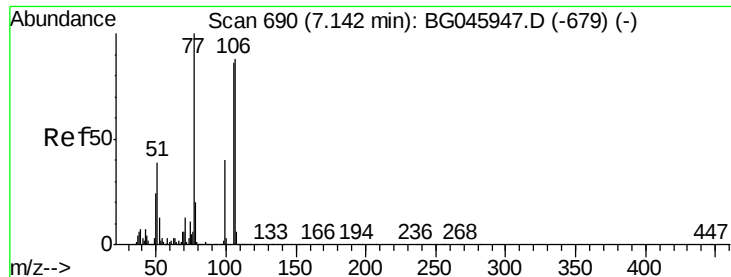
Delta R.T. -0.00 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Tgt Ion:	128	Resp:	35148
Ion	Ratio	Lower	Upper
128	100		
130	34.2	13.6	53.6
64	56.0	30.6	70.6





#9

Benzaldehyde

Concen: 5.153 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

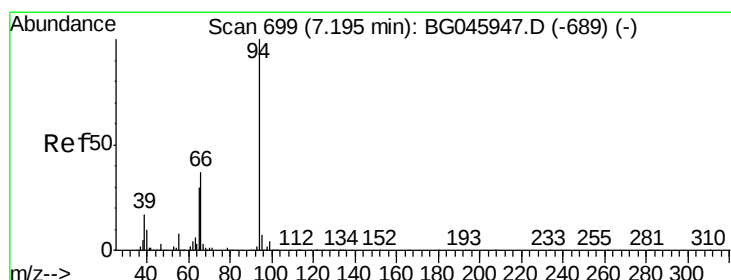
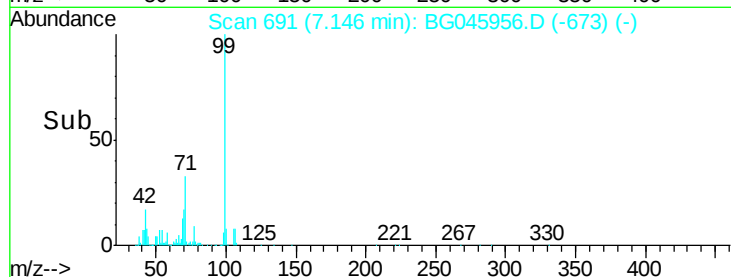
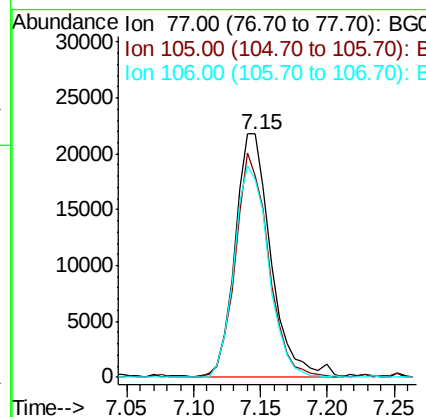
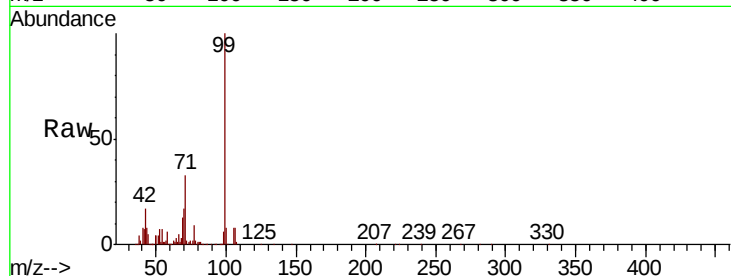
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	77	Resp:	40764
Ion	Ratio	Lower	Upper
77	100		
105	82.7	66.0	106.0
106	80.9	67.7	107.7

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#10

Phenol

Concen: 3.739 ng

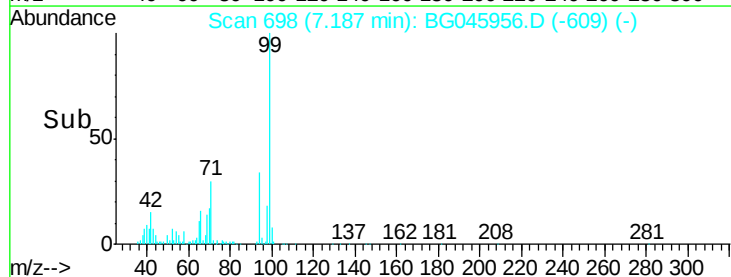
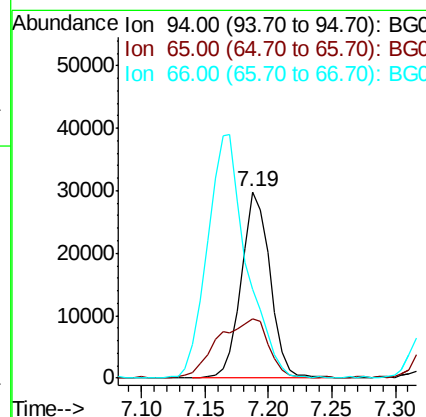
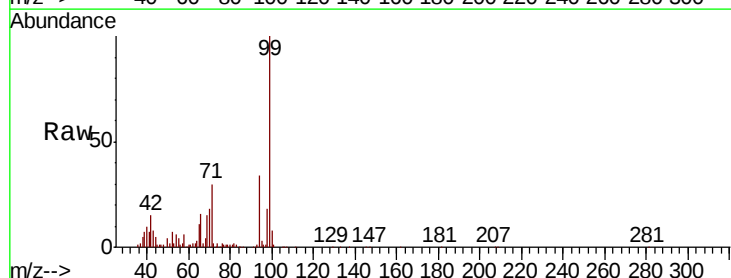
RT: 7.19 min Scan# 698

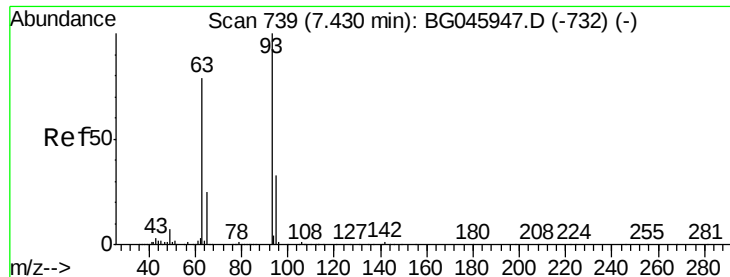
Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Tgt Ion:	94	Resp:	46837
Ion	Ratio	Lower	Upper
94	100		
65	31.6	10.6	50.6
66	47.7	17.1	57.1





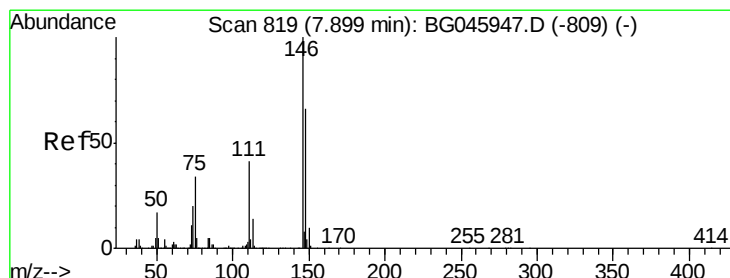
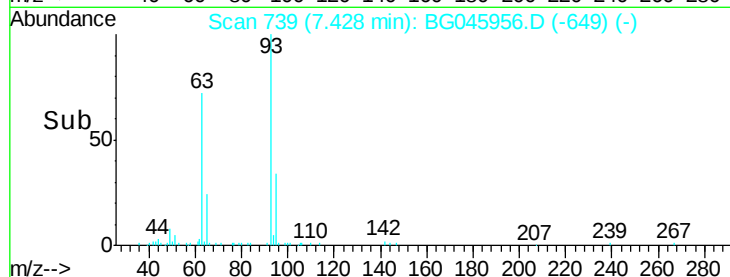
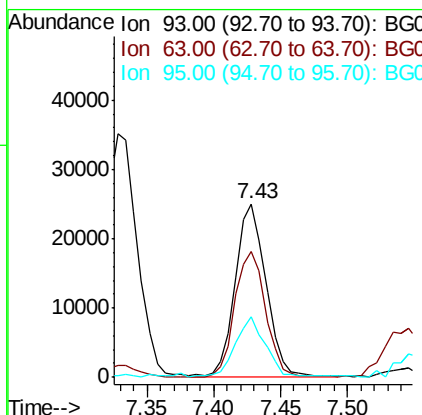
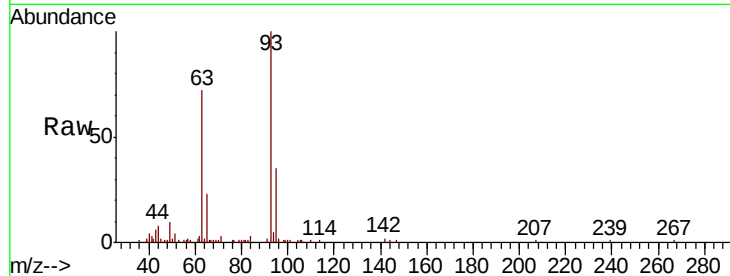
#11
bis(2-Chloroethyl)ether
Concen: 3.920 ng
RT: 7.43 min Scan# 739
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100		40605		
63	72.4	58.6	98.6		
95	34.5	13.3	53.3		

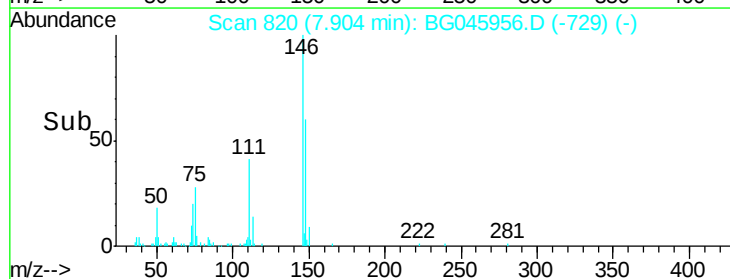
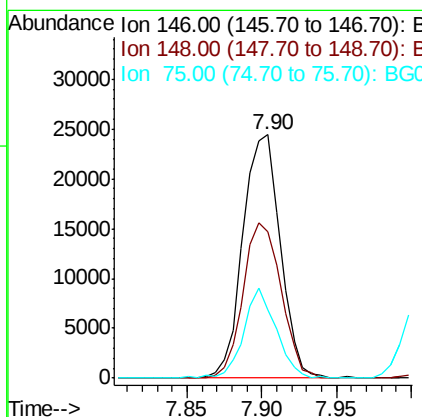
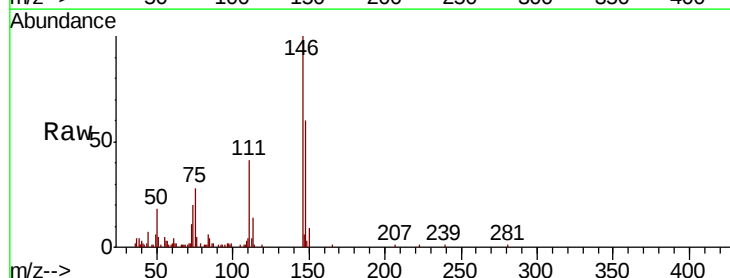
Manual Integrations
APPROVED

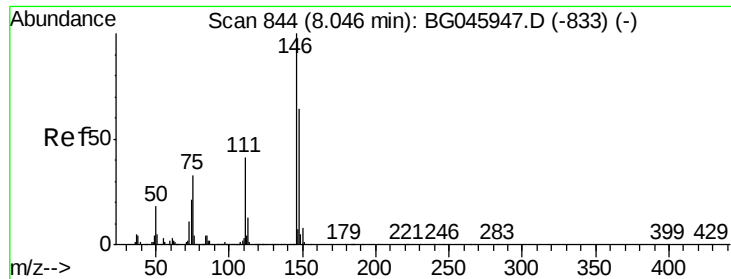
mohammad
7/9/2020 10:55:12 AM



#12
1,3-Dichlorobenzene
Concen: 3.937 ng
RT: 7.90 min Scan# 820
Delta R.T. 0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		42374		
148	60.1	52.8	79.2		
75	28.2	27.2	40.8		





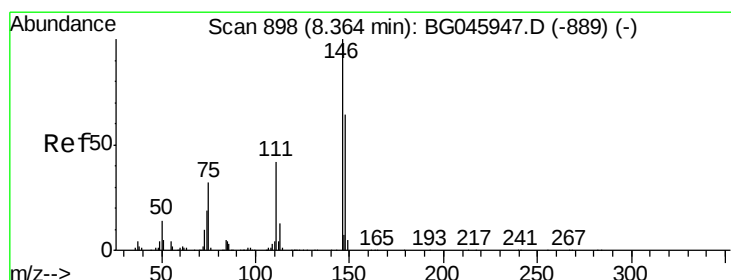
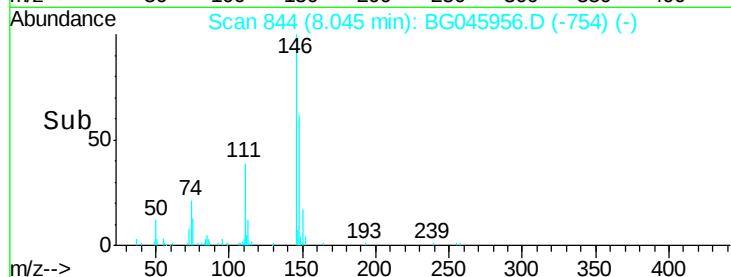
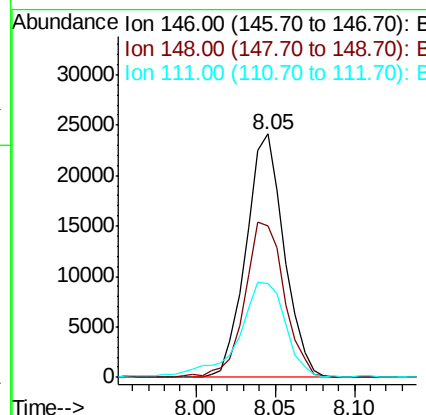
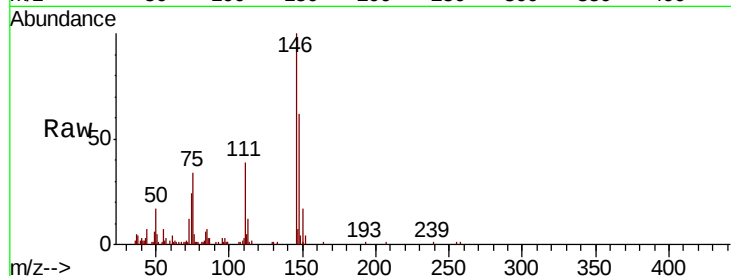
#13
 1,4-Dichlorobenzene
 Concen: 3.788 ng
 RT: 8.05 min Scan# 844
 Delta R.T. -0.00 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.7	77.5
111	38.8	33.3	49.9

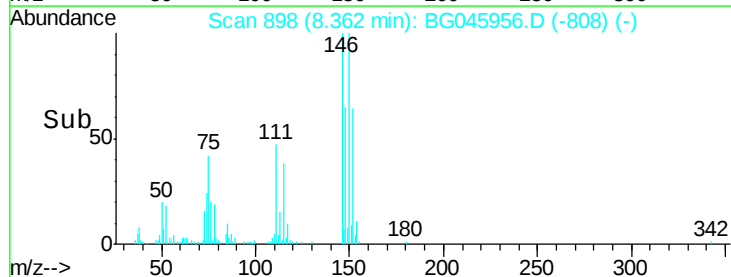
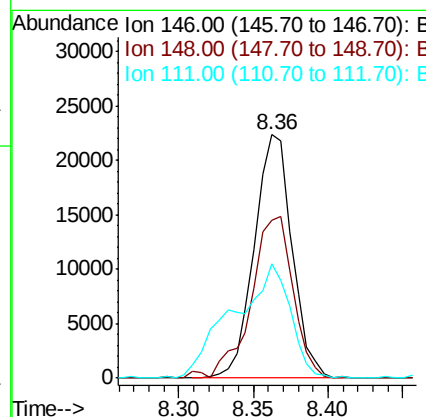
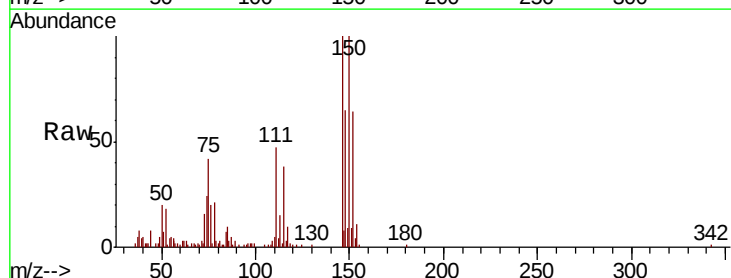
Manual Integrations
 APPROVED

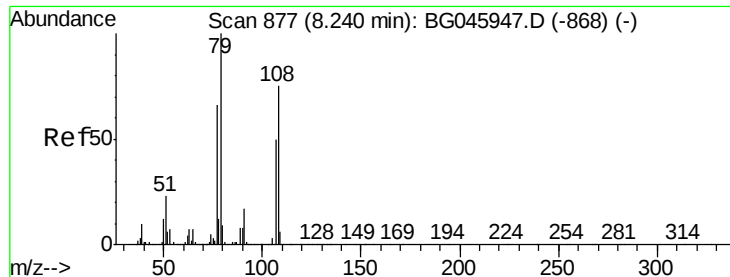
mohammad
 7/9/2020 10:55:12 AM



#14
 1,2-Dichlorobenzene
 Concen: 3.823 ng
 RT: 8.36 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.6	77.4
111	47.2	34.0	51.0





#15

Benzyl Alcohol

Concen: 3.793 ng

RT: 8.24 min Scan# 877

Delta R.T. -0.00 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

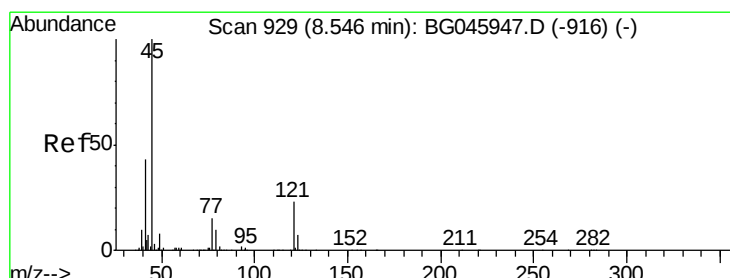
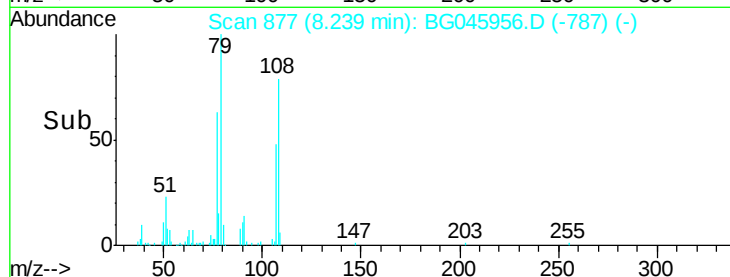
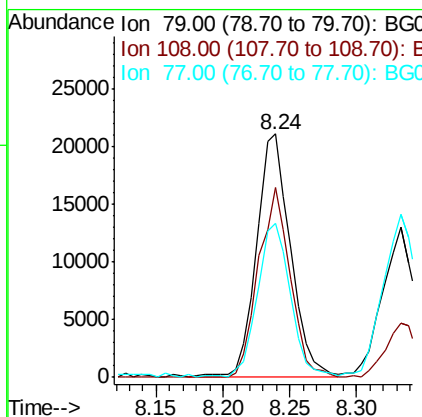
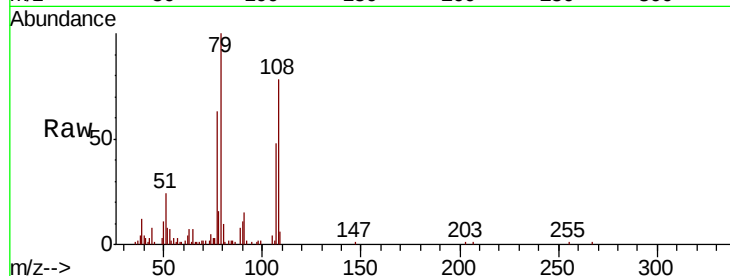
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	79	Resp:	37139
Ion Ratio	Lower	Upper	
79	100		
108	78.2	60.2	90.4
77	63.3	52.9	79.3

Manual Integrations
APPROVED

mohammad
7/9/2020 10:55:12 AM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 3.682 ng

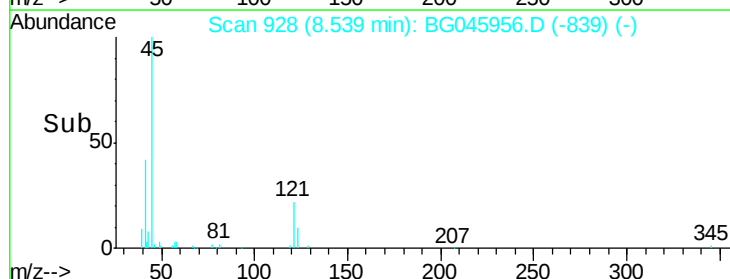
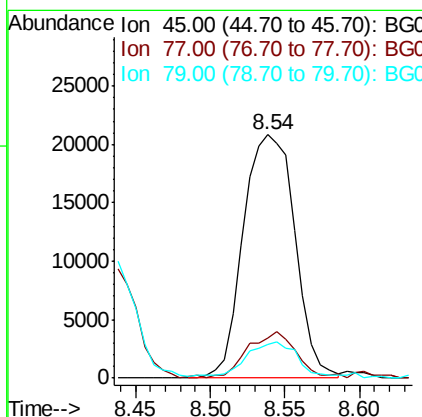
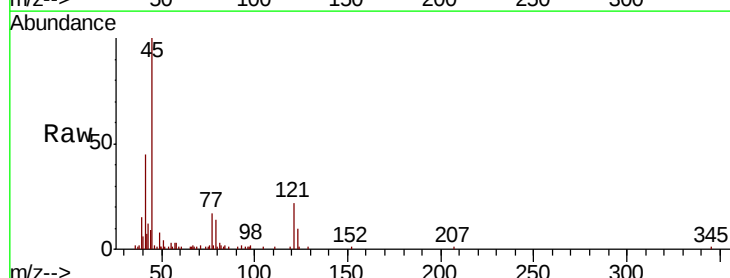
RT: 8.54 min Scan# 928

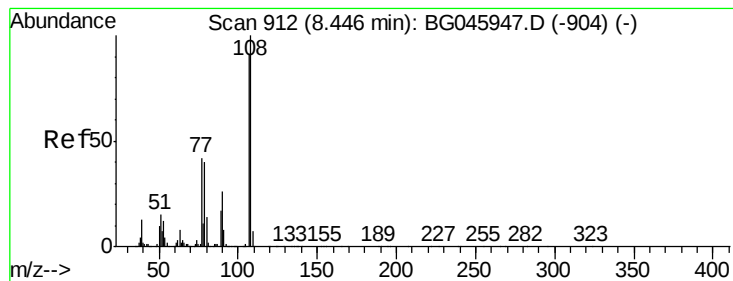
Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Tgt Ion:	45	Resp:	49759
Ion Ratio	Lower	Upper	
45	100		
77	16.6	0.0	37.6
79	14.1	0.0	32.6





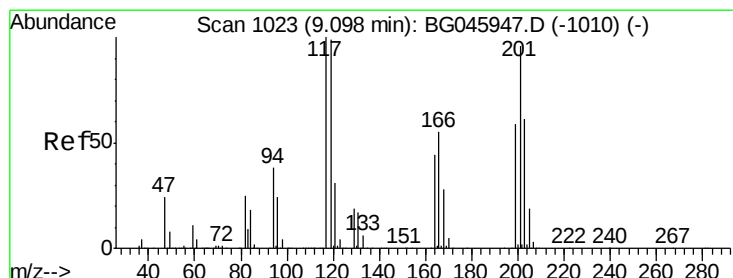
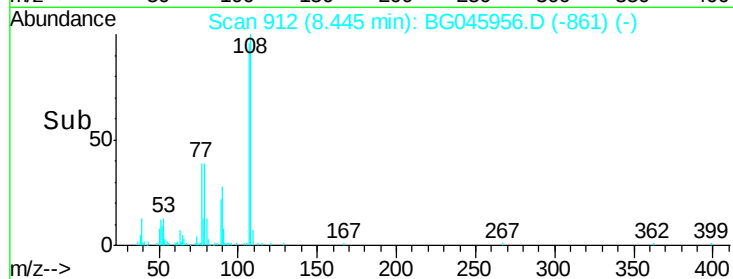
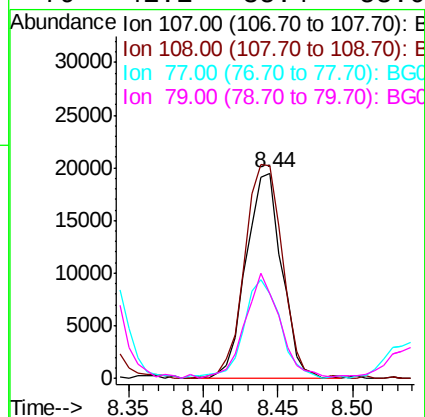
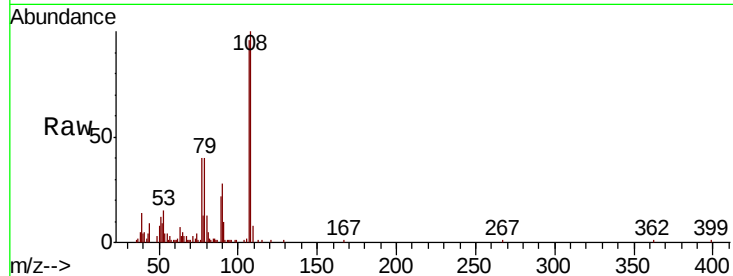
#17
2-Methylphenol
Concen: 3.434 ng
RT: 8.44 min Scan# 912
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
107	100		
108	103.8	88.2	132.4
77	41.4	37.0	55.4
79	41.1	35.4	53.0

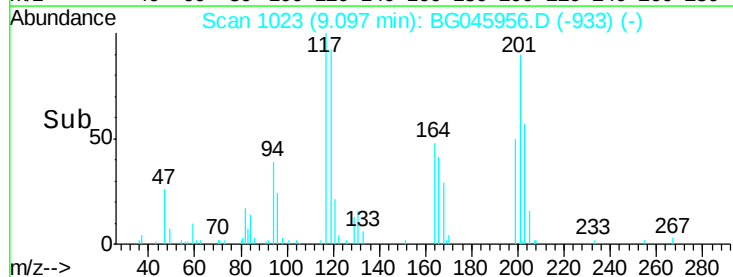
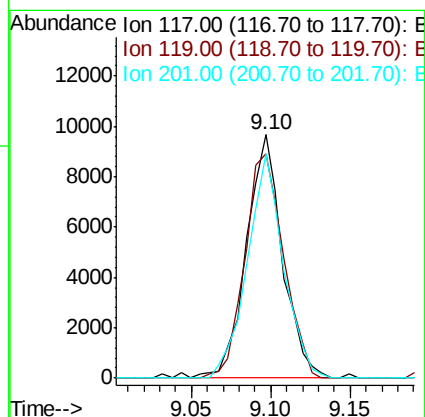
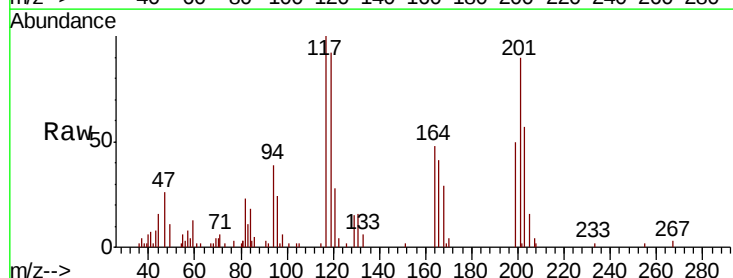
Manual Integrations
APPROVED

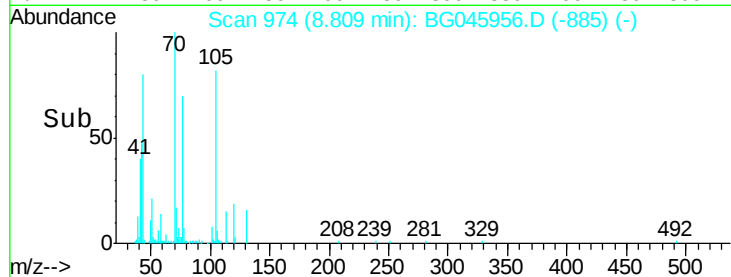
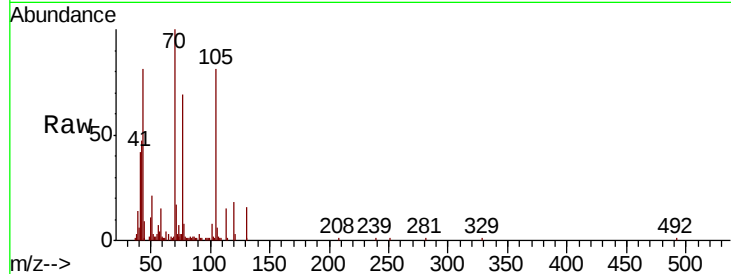
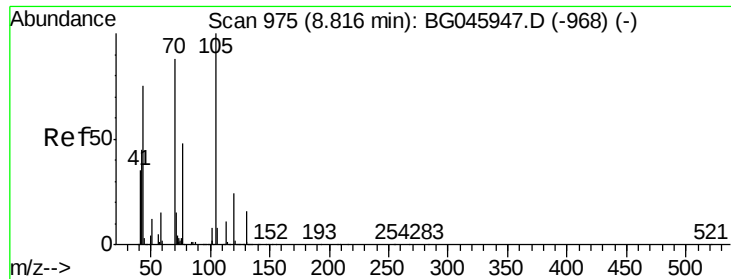
mohammad
7/9/2020 10:55:12 AM



#18
Hexachloroethane
Concen: 3.729 ng
RT: 9.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

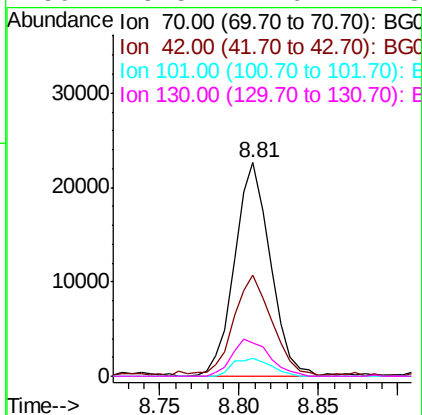
Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	79.5	119.3
201	92.3	77.0	115.4





#19
n-Nitroso-di-n-propylamine
Concen: 4.047 ng
RT: 8.81 min Scan# 974
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

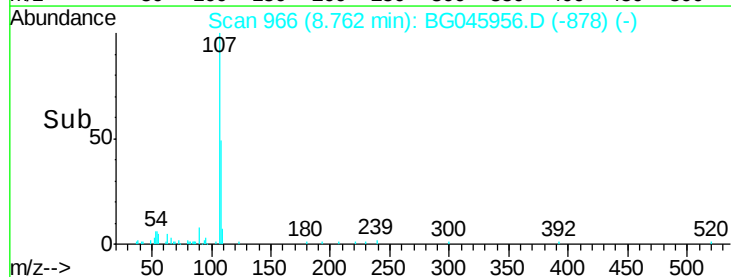
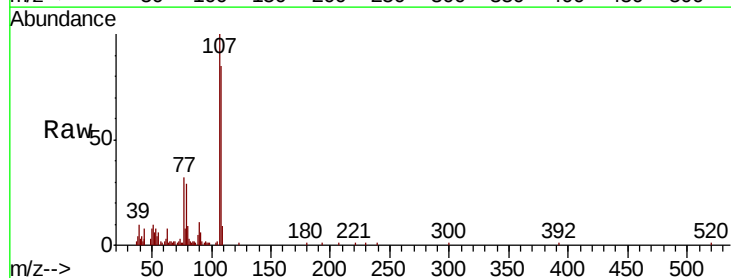
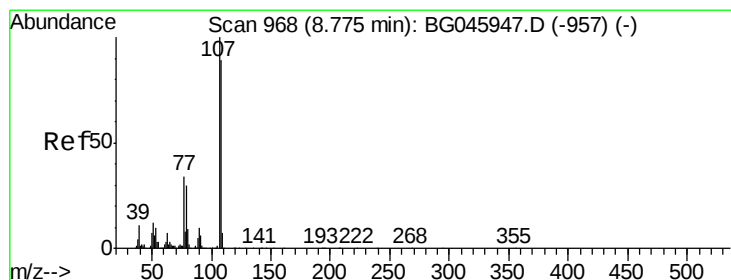
Tot Ion	Ratio	Lower	Upper
70	100		
42	47.5	41.4	62.0
101	8.2	7.1	10.7
130	15.5	14.9	22.3



Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

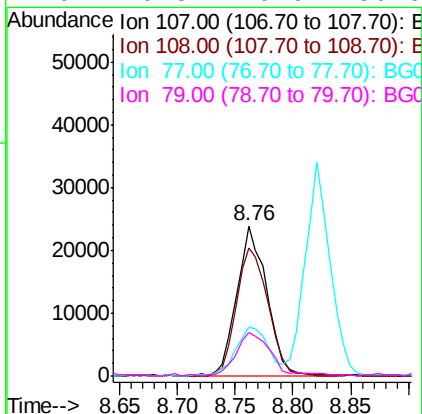
Manual Integrations
APPROVED

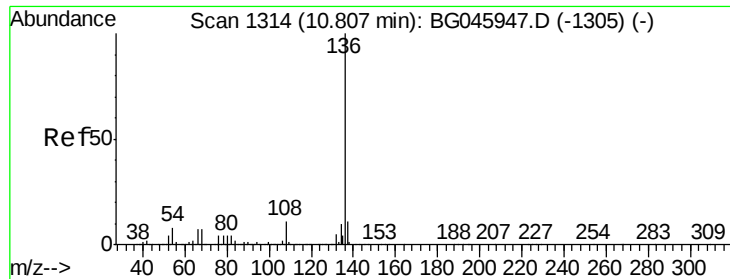
mohammad
7/9/2020 10:55:12 AM



#20
3+4-Methylphenols
Concen: 3.398 ng
RT: 8.76 min Scan# 966
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
107	100		
108	85.1	68.7	108.7
77	32.4	14.6	54.6
79	29.3	10.6	50.6





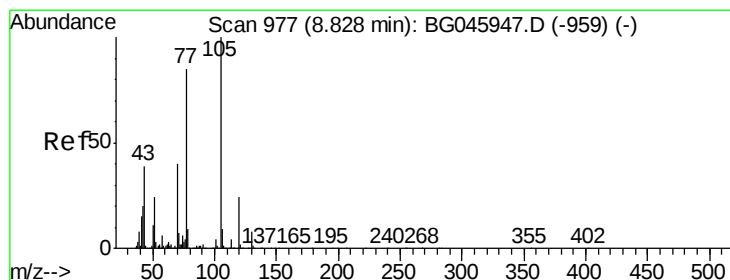
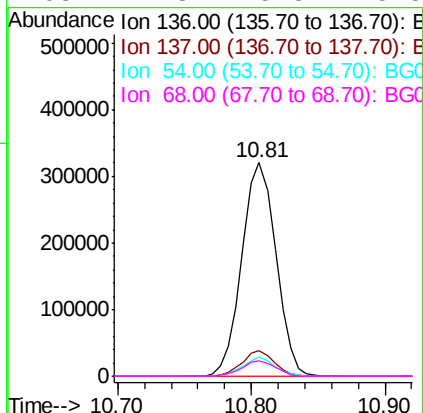
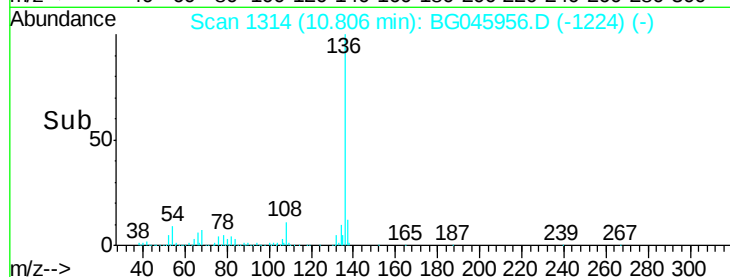
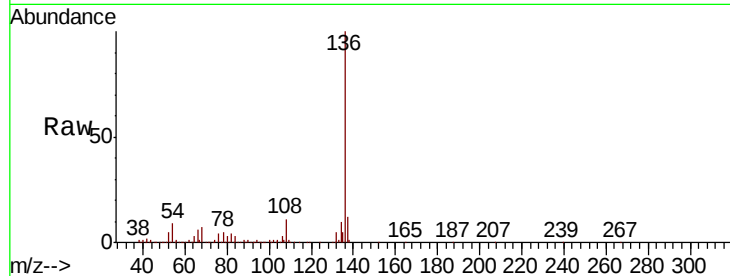
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
136	100	567265		
137	11.8	9.2	13.8	
54	8.7	6.2	9.4	
68	7.3	5.8	8.8	

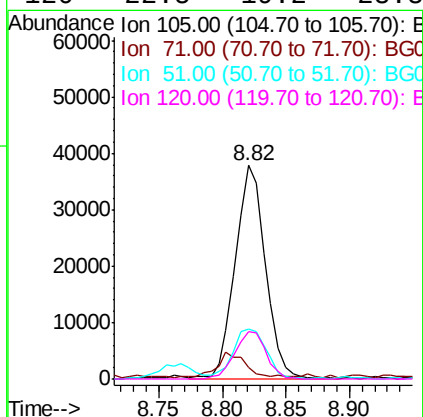
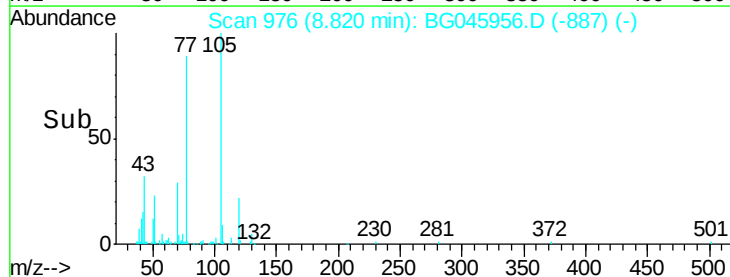
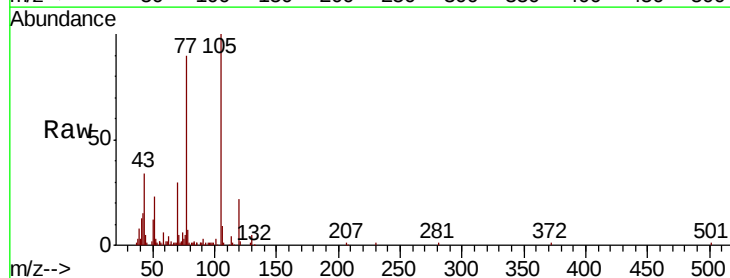
Manual Integrations
APPROVED

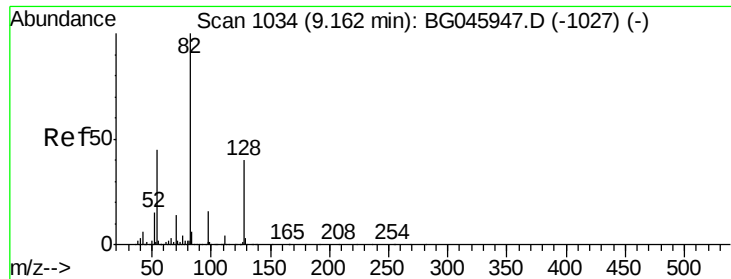
mohammad
7/9/2020 10:55:12 AM



#22
Acetophenone
Concen: 4.137 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	62692		
71	5.4	6.2	9.2#	
51	23.4	19.7	29.5	
120	22.5	19.2	28.8	





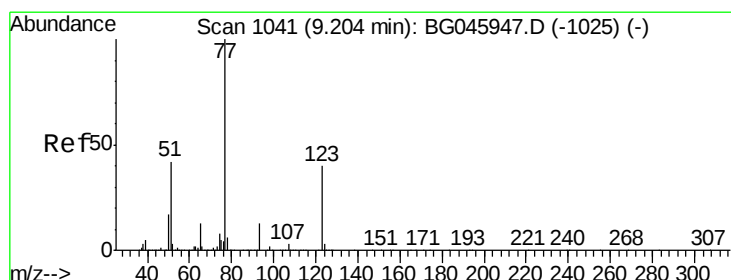
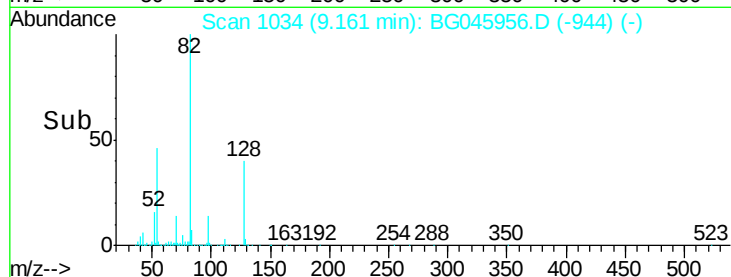
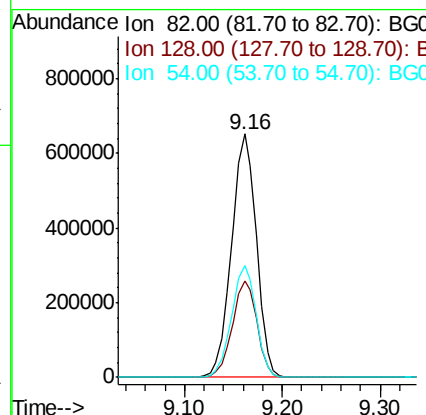
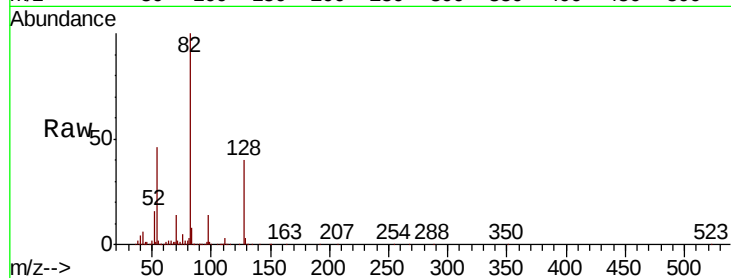
#23
 Nitrobenzene-d5
 Concen: 115.918 ng
 RT: 9.16 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.8	32.2	48.4
54	46.0	35.8	53.6

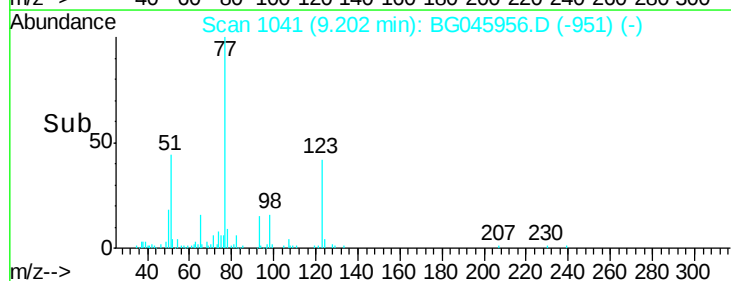
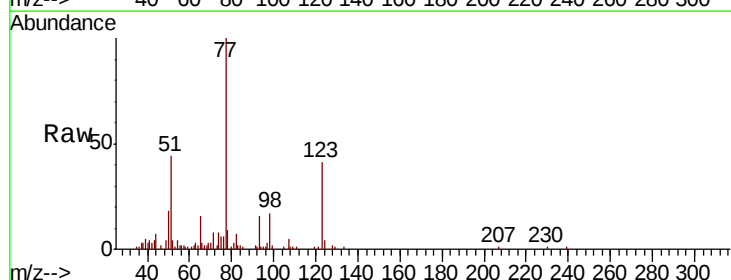
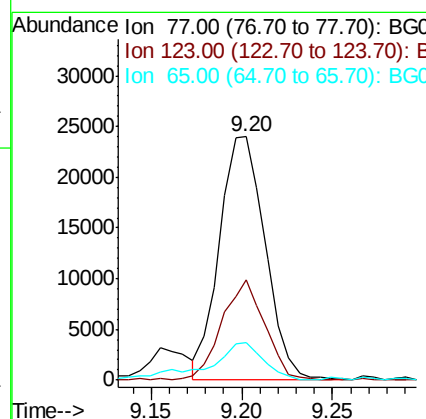
Manual Integrations
 APPROVED

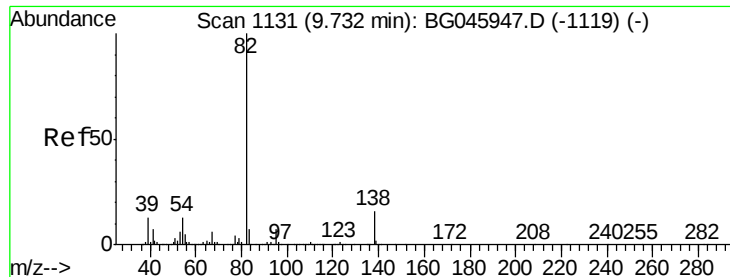
mohammad
 7/9/2020 10:55:12 AM



#24
 Nitrobenzene
 Concen: 3.870 ng
 RT: 9.20 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
77	100		
123	41.1	32.7	49.1
65	15.6	10.2	15.4





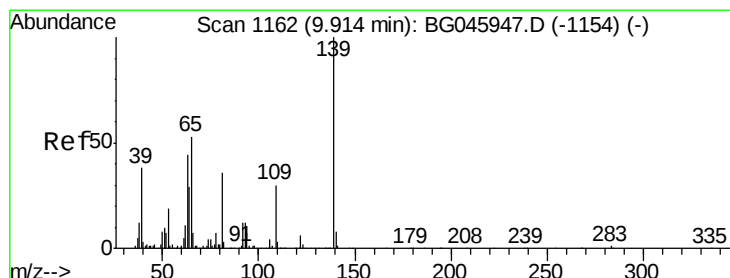
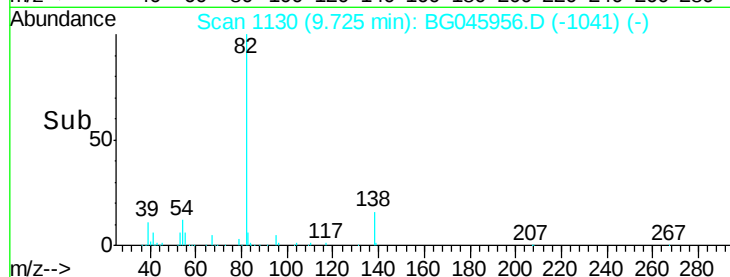
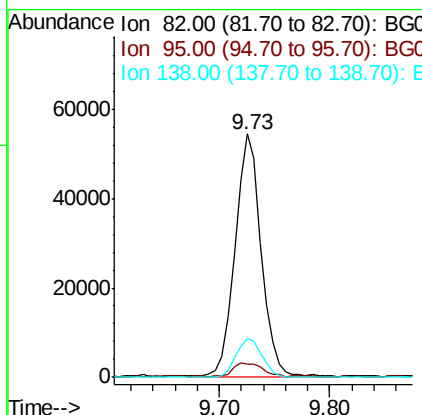
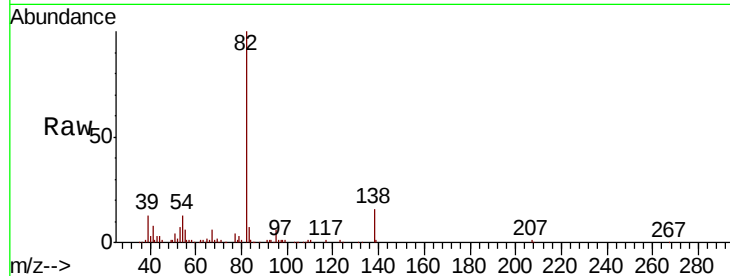
#25
Isophorone
Concen: 3.721 ng
RT: 9.73 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
82	100		
95	5.6	5.8	8.6#
138	15.7	12.9	19.3

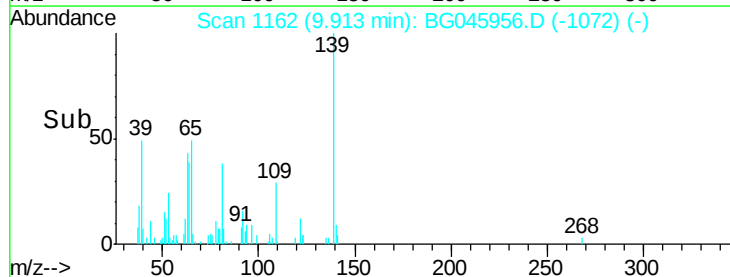
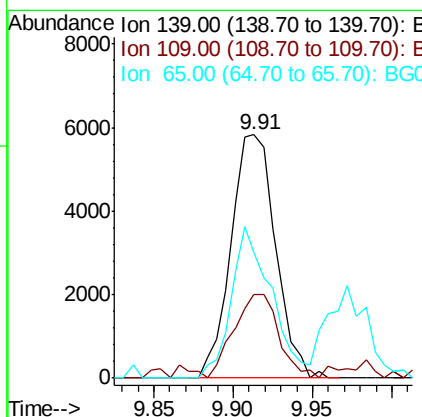
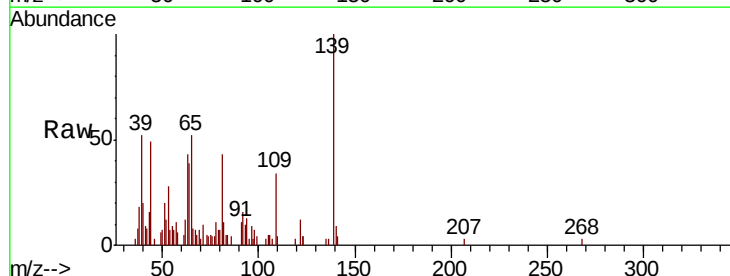
Manual Integrations
APPROVED

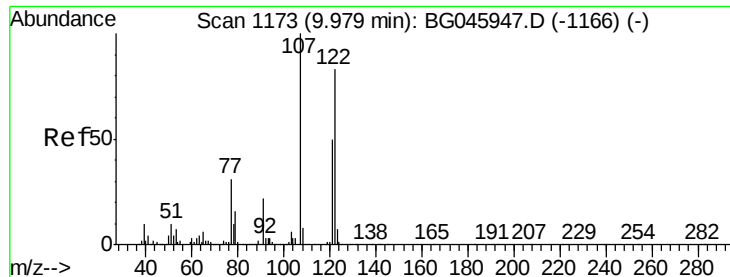
mohammad
7/9/2020 10:55:12 AM



#26
2-Nitrophenol
Concen: 3.205 ng
RT: 9.91 min Scan# 1162
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
139	100		
109	34.1	24.6	37.0
65	51.6	42.6	64.0





#27

2,4-Dimethylphenol

Concen: 3.930 ng

RT: 9.97 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

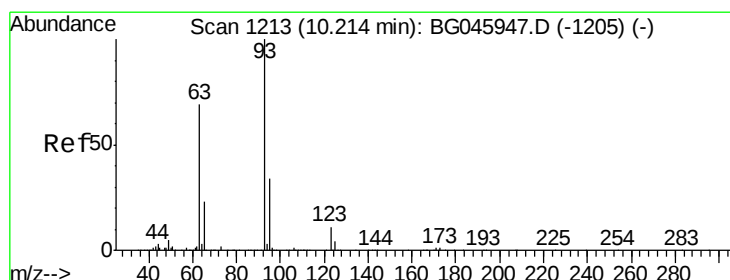
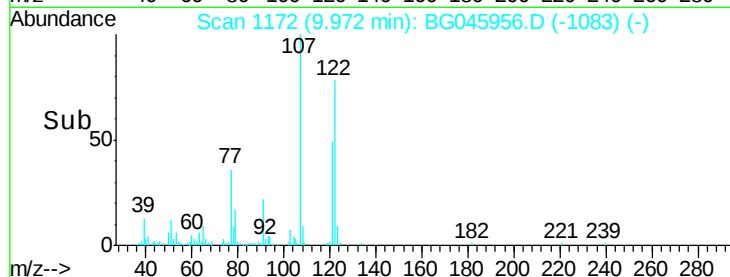
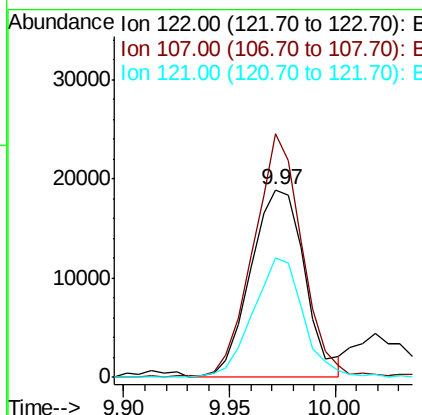
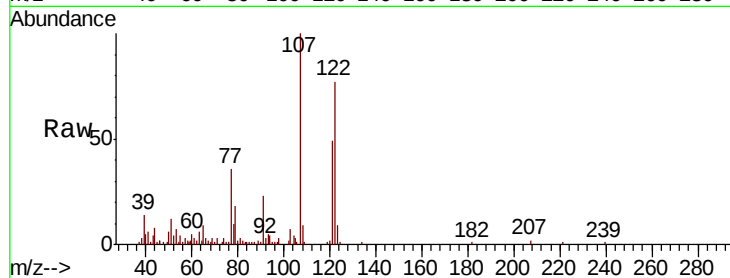
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	122	Resp:	33655
Ion Ratio	Lower	Upper	
122	100		
107	129.8	95.6	143.4
121	63.7	47.7	71.5

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#28

bis(2-Chloroethoxy)methane

Concen: 4.069 ng

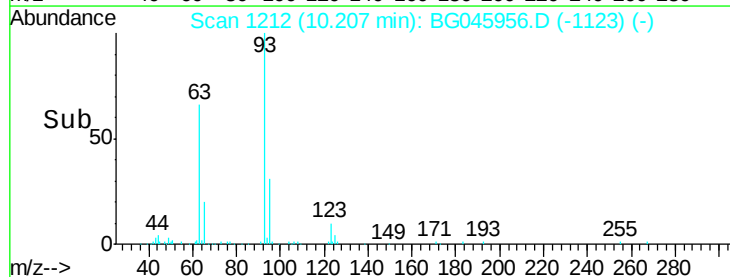
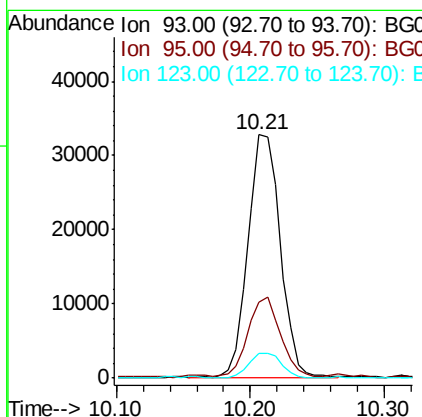
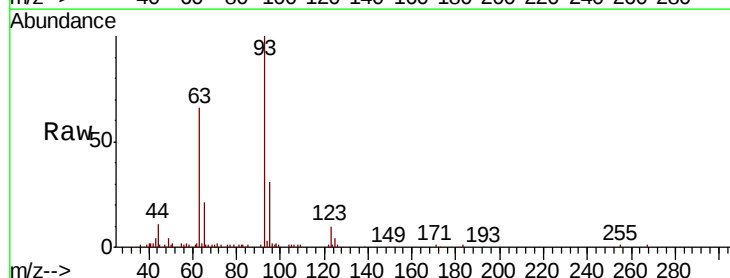
RT: 10.21 min Scan# 1212

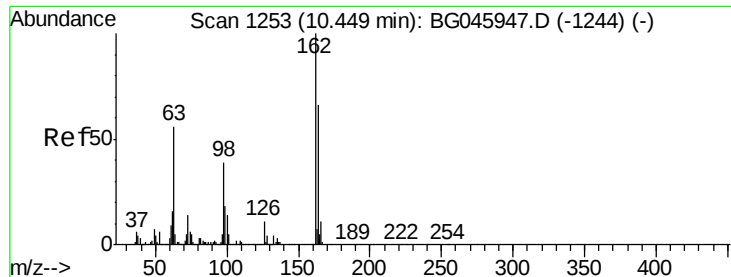
Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Tgt Ion:	93	Resp:	54980
Ion Ratio	Lower	Upper	
93	100		
95	31.2	27.5	41.3
123	10.2	9.2	13.8





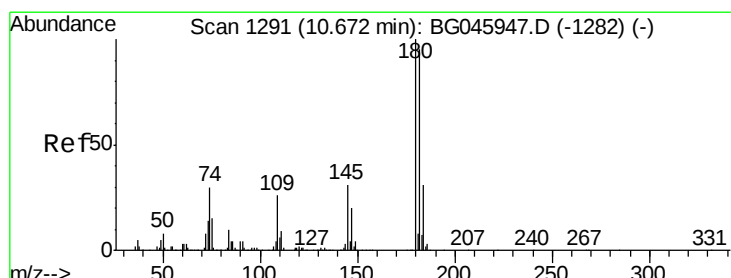
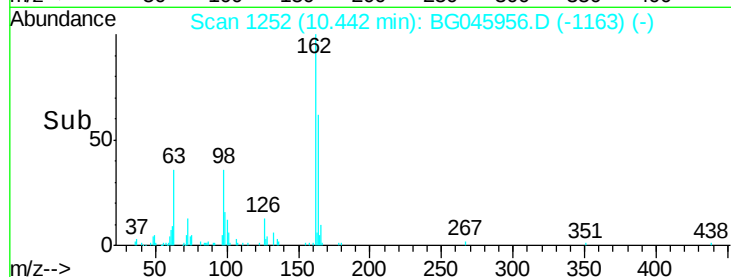
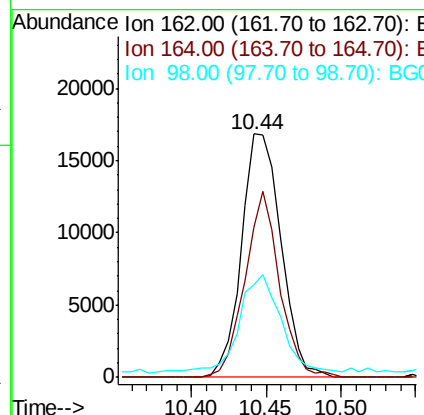
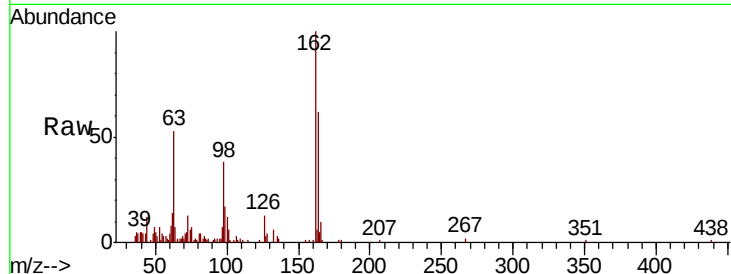
#29
 2,4-Dichlorophenol
 Concen: 3.479 ng
 RT: 10.44 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
162	100		
164	61.9	46.0	86.0
98	38.2	19.2	59.2

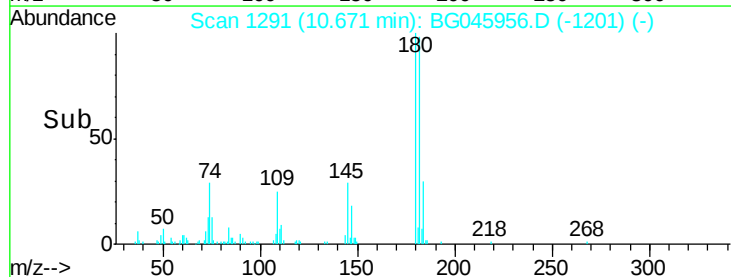
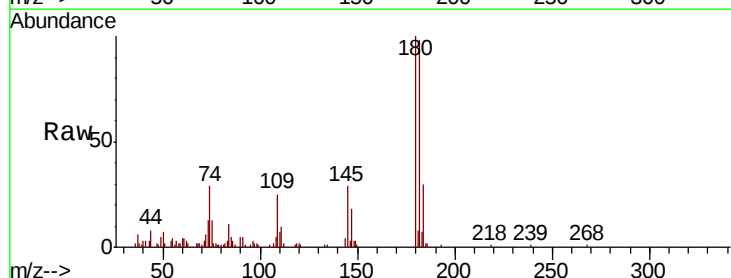
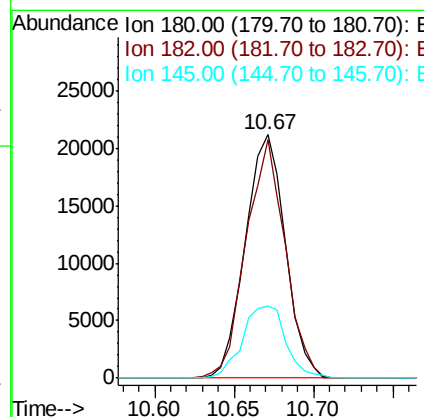
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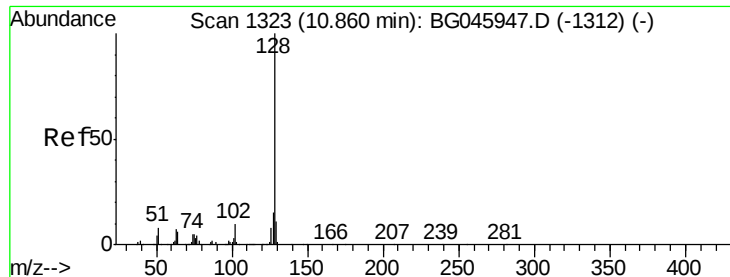
mohammad
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#30
 1,2,4-Trichlorobenzene
 Concen: 3.790 ng
 RT: 10.67 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.2	76.3	114.5
145	29.4	24.8	37.2





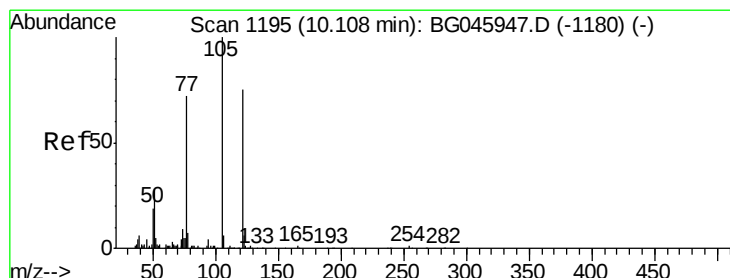
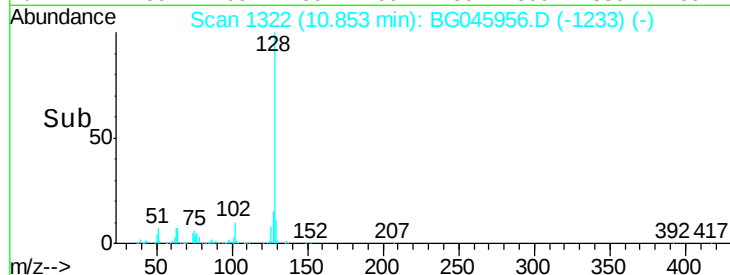
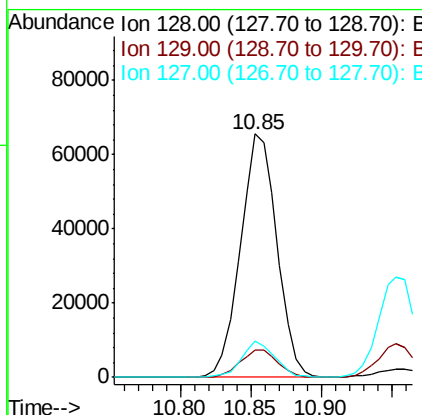
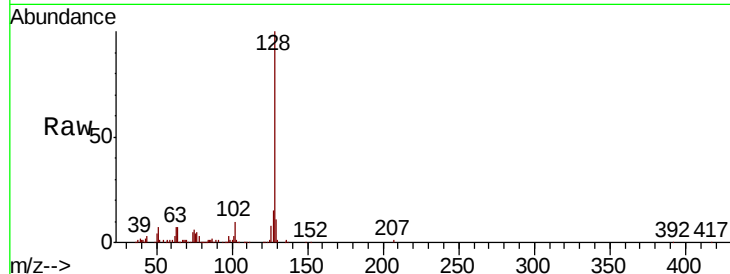
#31
Naphthalene
Concen: 3.888 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.2	13.8
127	14.8	11.8	17.6

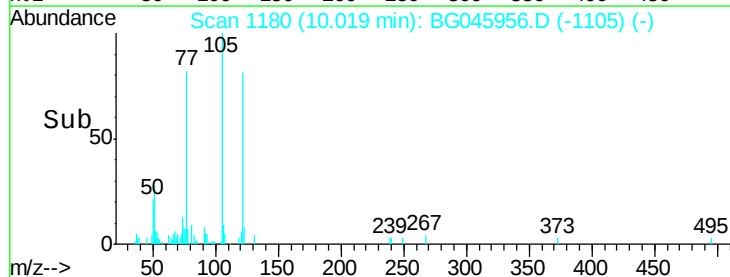
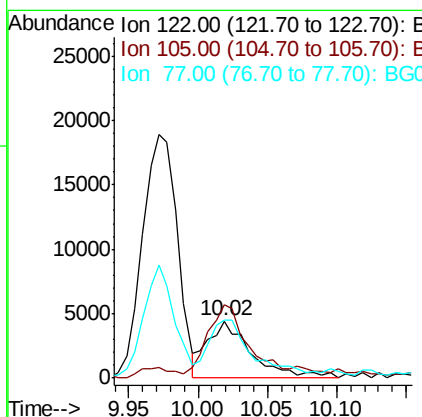
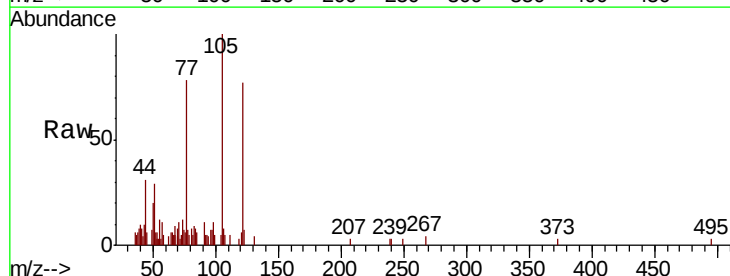
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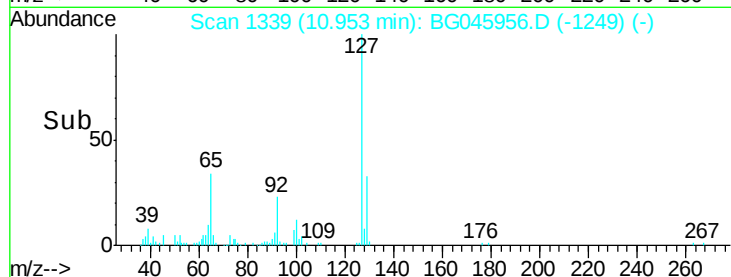
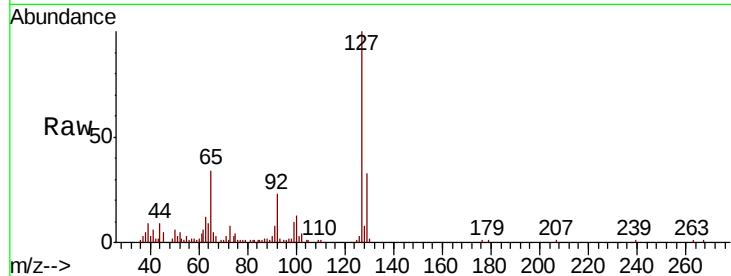
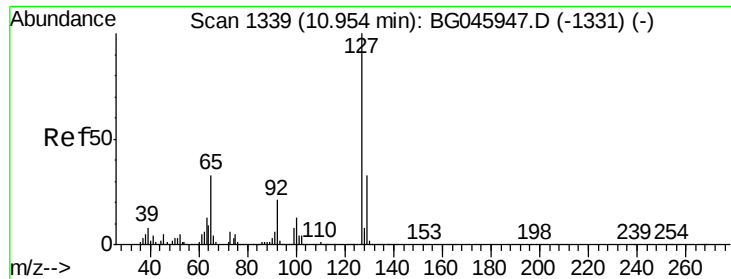
mohammad
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#32
Benzoic acid
Concen: 2.143 ng m
RT: 10.02 min Scan# 1180
Delta R.T. -0.09 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
122	100		
105	129.8	110.8	150.8
77	101.5	76.4	116.4





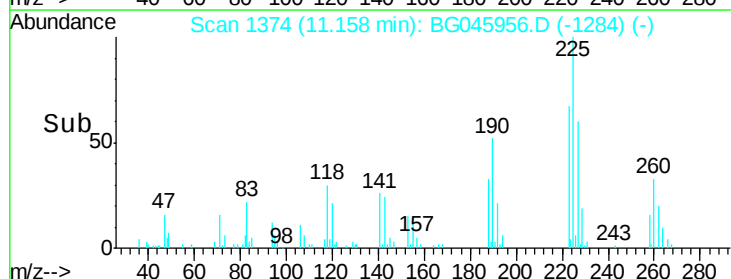
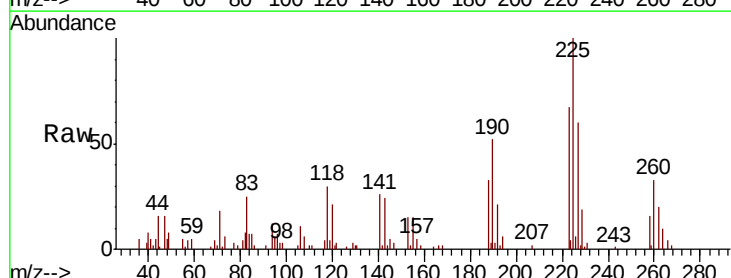
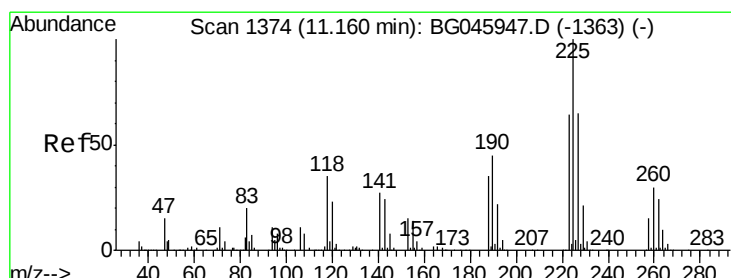
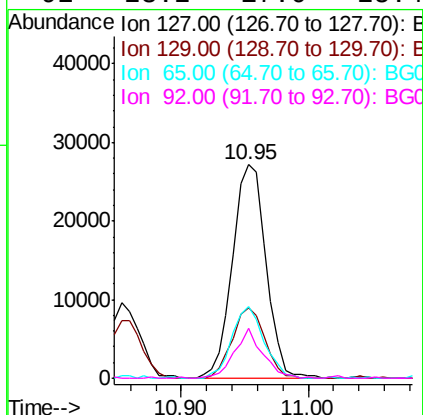
#33
4-Chloroaniline
Concen: 3.664 ng
RT: 10.95 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		49789		
129	32.8	26.6	39.8		
65	33.6	26.8	40.2		
92	23.2	17.0	25.4		

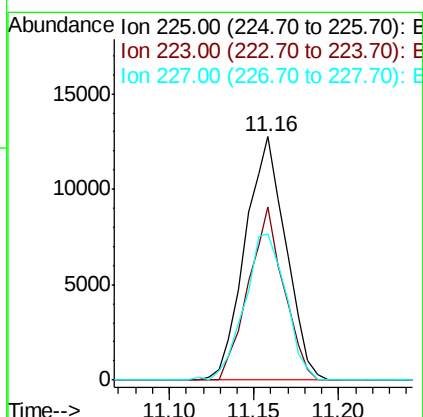
Manual Integrations
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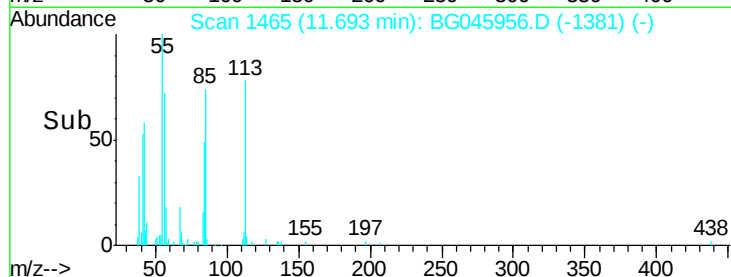
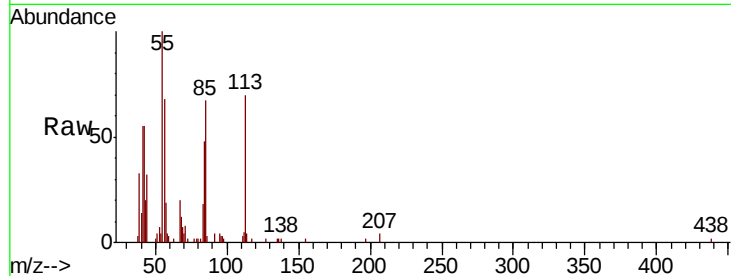
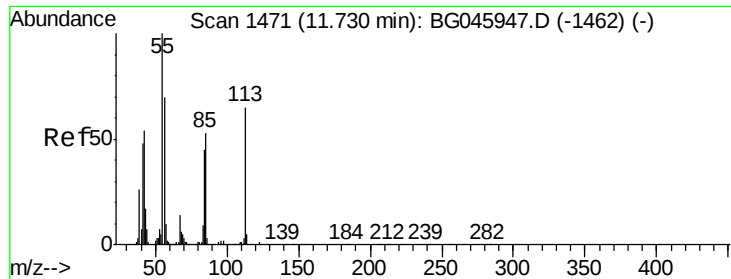
mohammad
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#34
Hexachlorobutadiene
Concen: 3.719 ng
RT: 11.16 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		21329		
223	71.2	51.2	76.8		
227	60.0	52.3	78.5		





#35

Caprolactam

Concen: 3.761 ng

RT: 11.69 min Scan# 1465

Delta R.T. -0.04 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

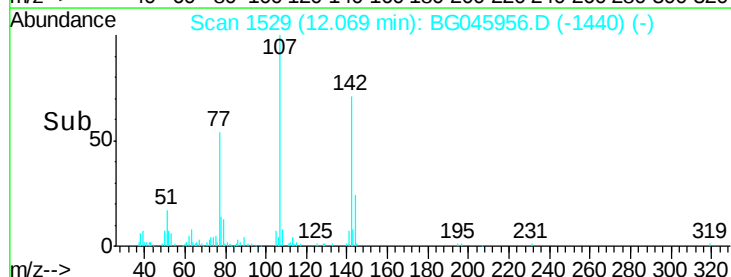
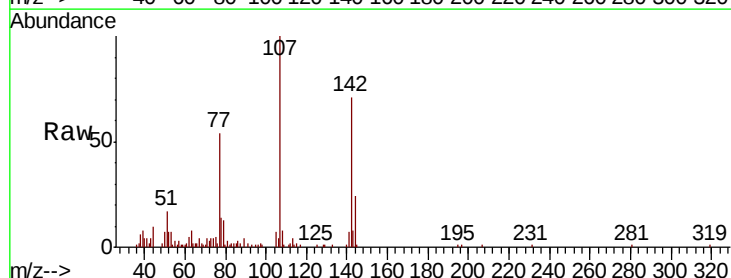
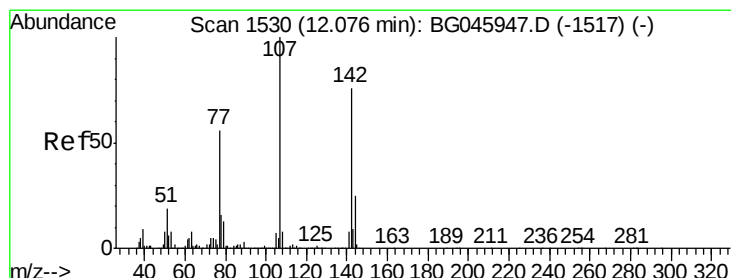
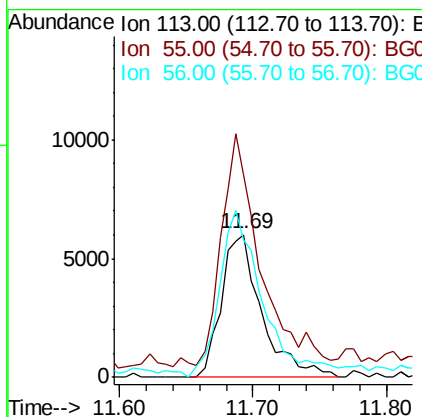
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	113	Resp:	12659
Ion	Ratio	Lower	Upper
113	100		
55	142.0	141.6	181.6
56	96.2	89.6	129.6

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#36

4-Chloro-3-methylphenol

Concen: 3.588 ng

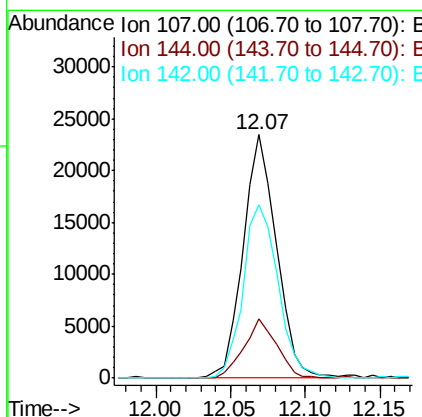
RT: 12.07 min Scan# 1529

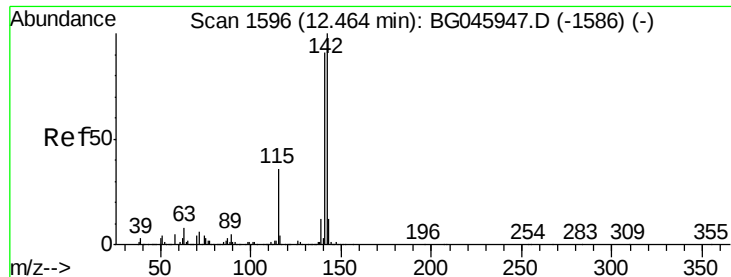
Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Tgt Ion:	107	Resp:	36233
Ion	Ratio	Lower	Upper
107	100		
144	24.3	20.0	30.0
142	70.9	61.1	91.7





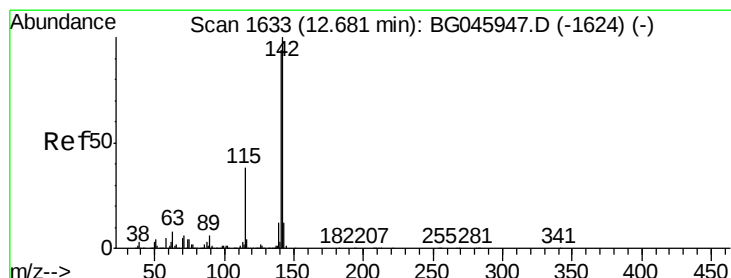
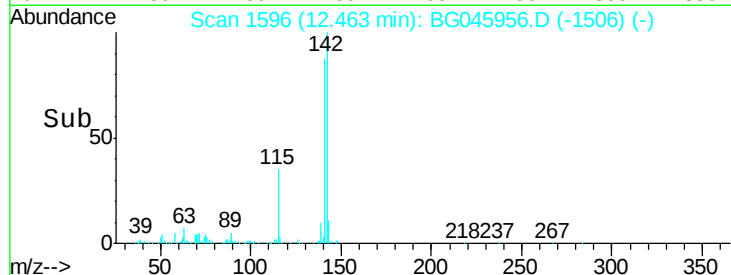
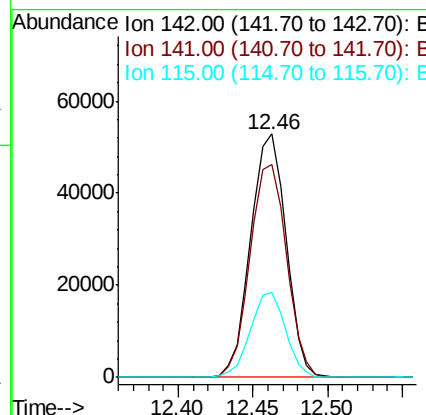
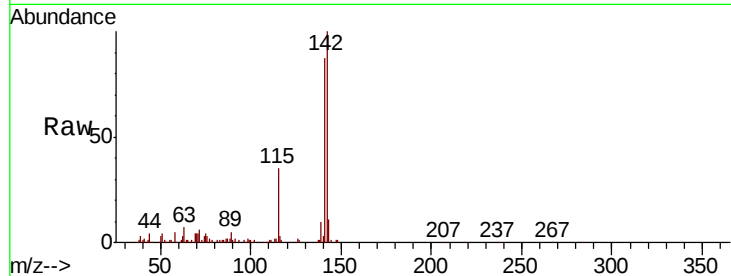
#37
2-Methylnaphthalene
Concen: 4.016 ng
RT: 12.46 min Scan# 1596
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.2	73.0	109.6
115	34.7	28.8	43.2

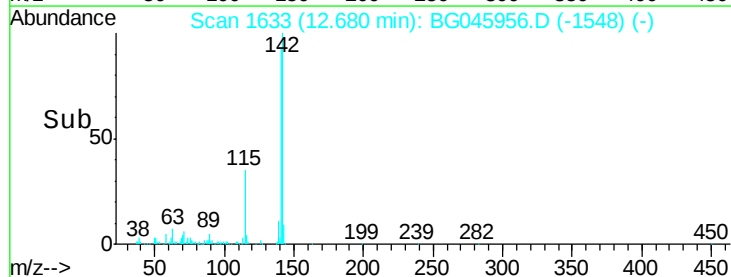
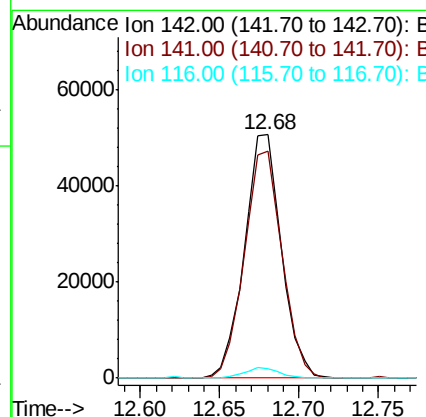
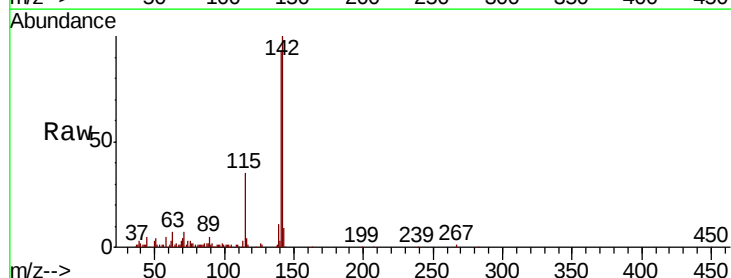
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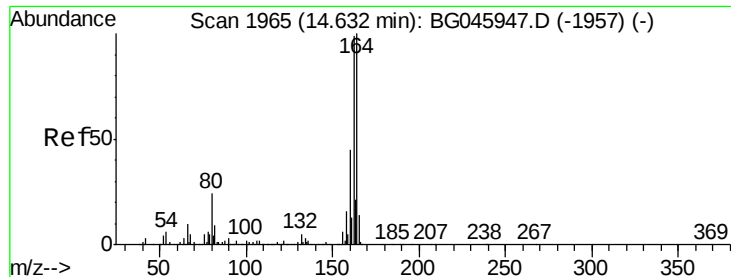
mohammad
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#38
1-Methylnaphthalene
Concen: 4.010 ng
RT: 12.68 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.4	75.2	112.8
116	4.0	3.1	4.7





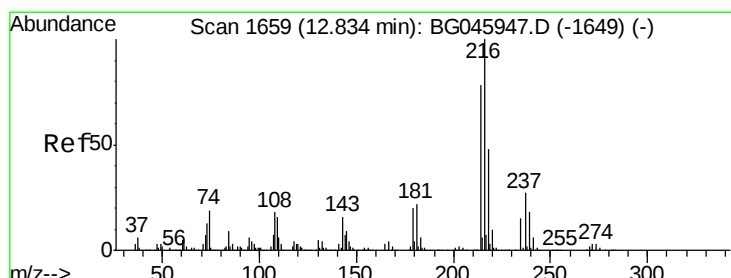
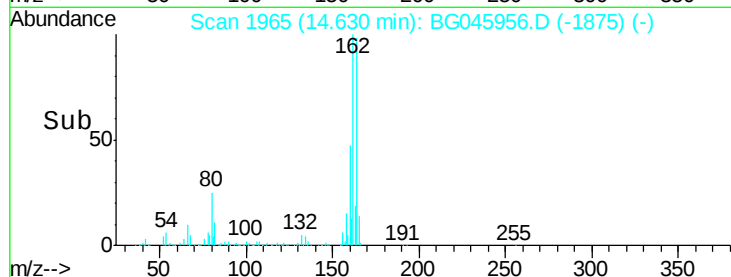
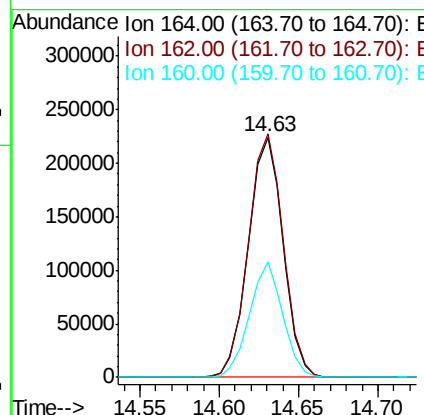
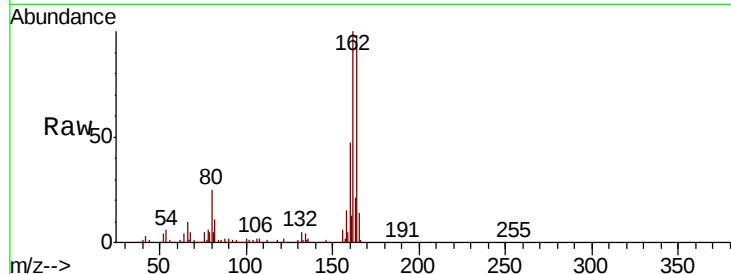
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.5	79.3	118.9
160	48.1	35.7	53.5

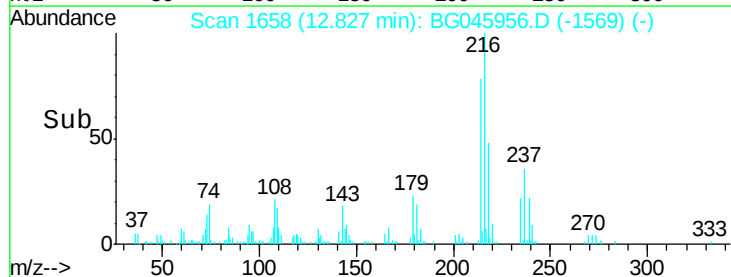
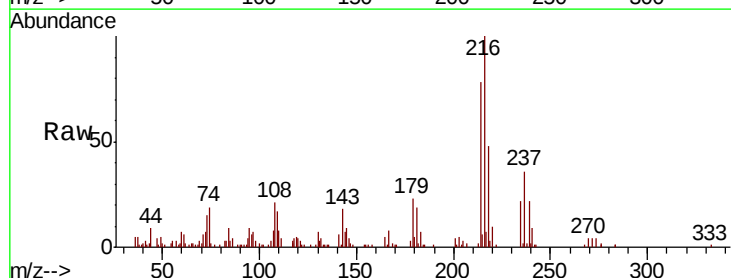
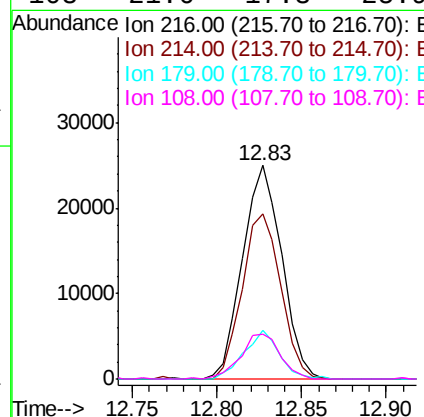
Manual Integrations
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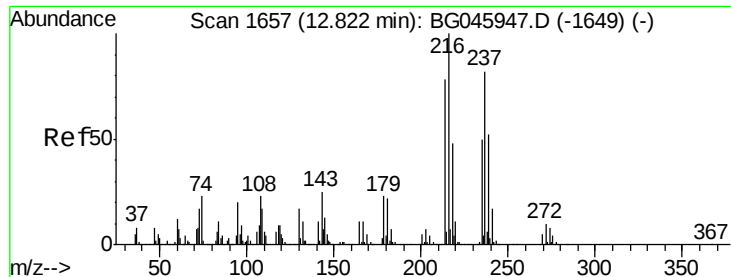
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.190 ng
RT: 12.83 min Scan# 1658
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
216	100		
214	76.1	63.0	94.4
179	20.7	17.0	25.6
108	21.6	17.3	25.9





#41

Hexachlorocyclopentadiene

Concen: 3.689 ng

RT: 12.82 min Scan# 1656

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

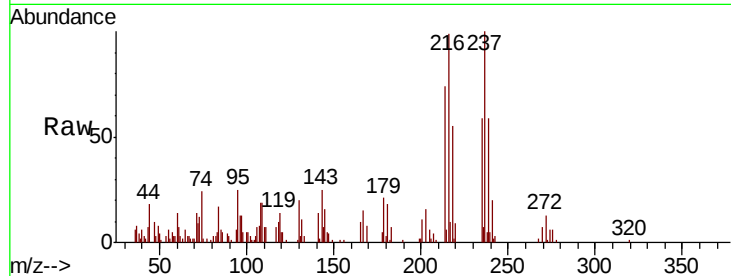
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

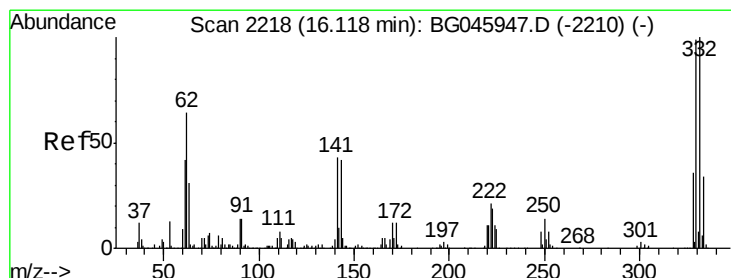
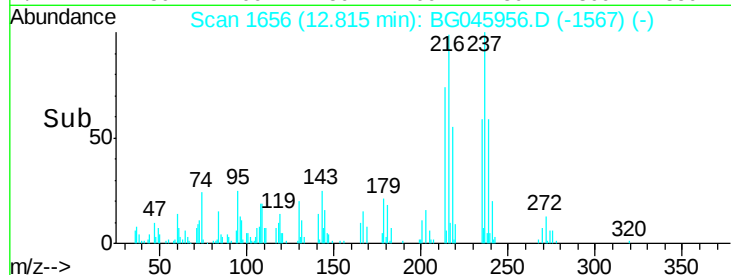
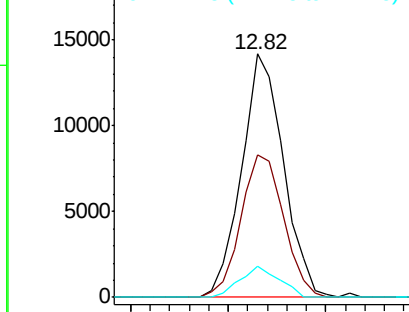
Tot Ion:	237	Resp:	21025
Ion Ratio	Lower	Upper	
237	100		
235	58.7	41.5	81.5
272	12.9	0.0	31.7

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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: 114.344 ng

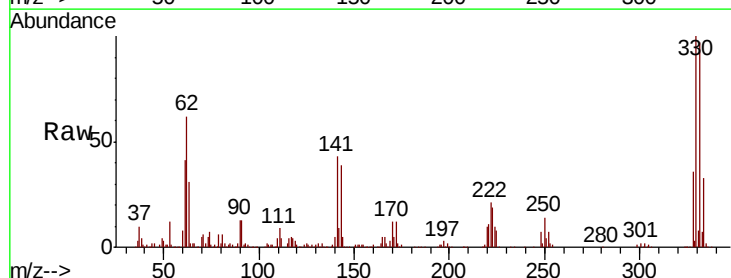
RT: 16.12 min Scan# 2218

Delta R.T. -0.00 min

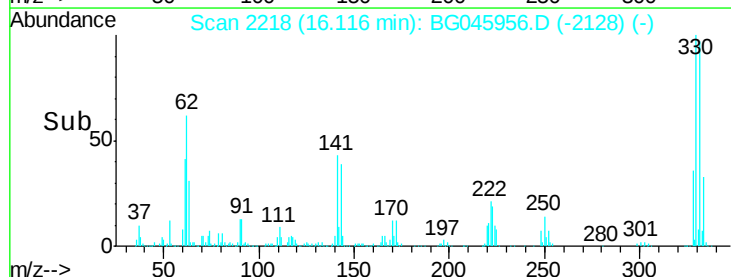
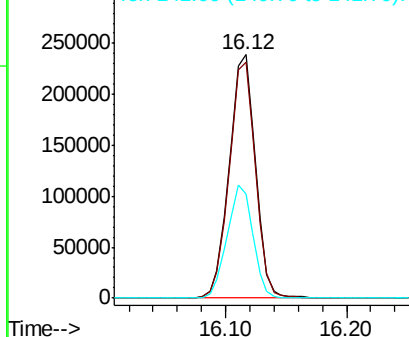
Lab File: BG045956.D

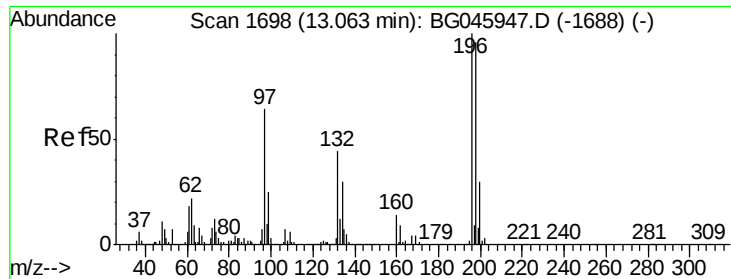
Acq: 7 Jul 2020 11:04

Tgt Ion:	330	Resp:	361637
Ion Ratio	Lower	Upper	
330	100		
332	97.1	78.3	117.5
141	45.6	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





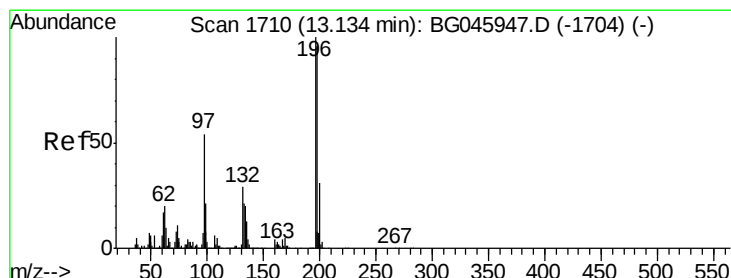
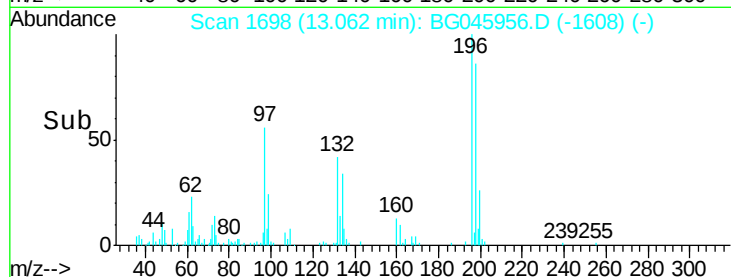
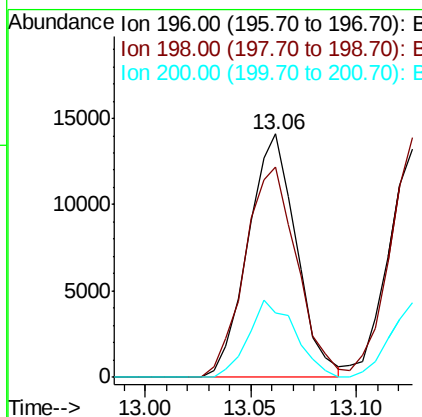
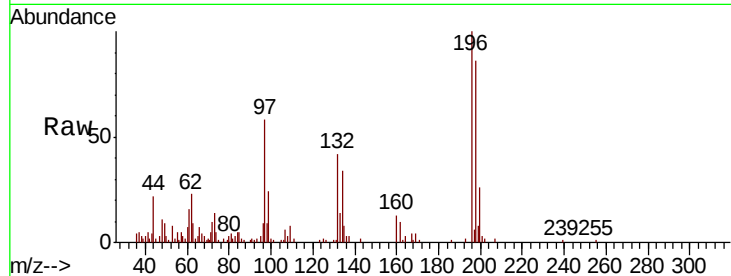
#43
2,4,6-Trichlorophenol
Concen: 3.442 ng
RT: 13.06 min Scan# 1698
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
196	100		
198	86.2	76.7	115.1
200	26.3	24.3	36.5

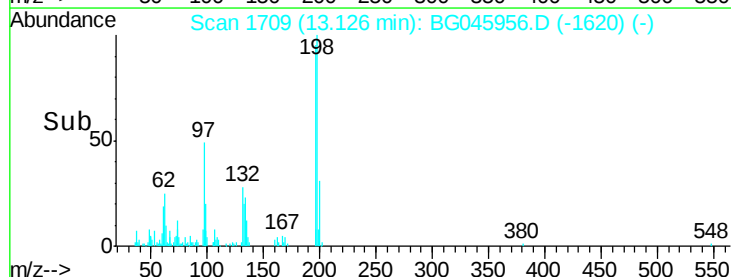
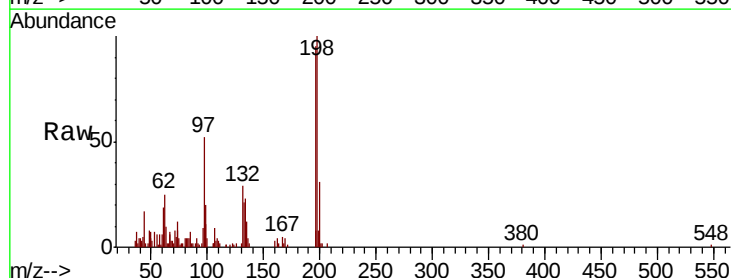
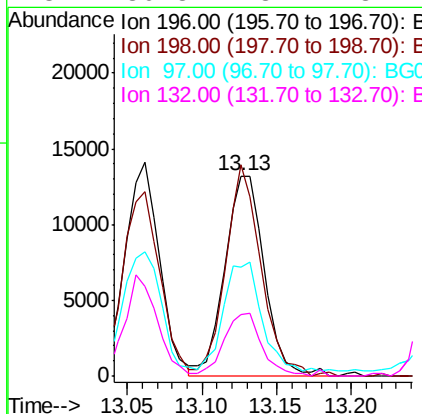
Manual Integrations
APPROVED

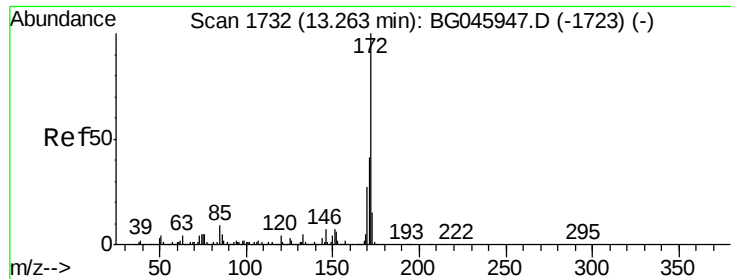
mohammad
7/9/2020 10:55:12 AM



#44
2,4,5-Trichlorophenol
Concen: 3.325 ng
RT: 13.13 min Scan# 1709
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
196	100		
198	105.4	77.0	115.6
97	54.6	44.3	66.5
132	30.8	23.1	34.7





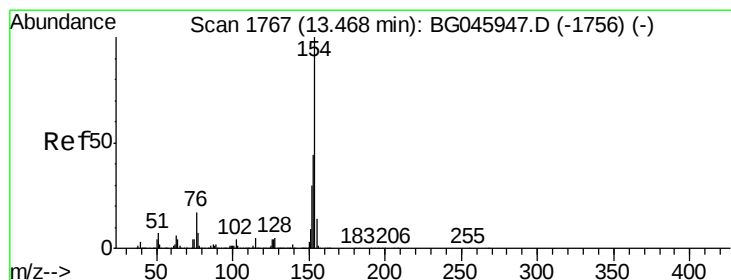
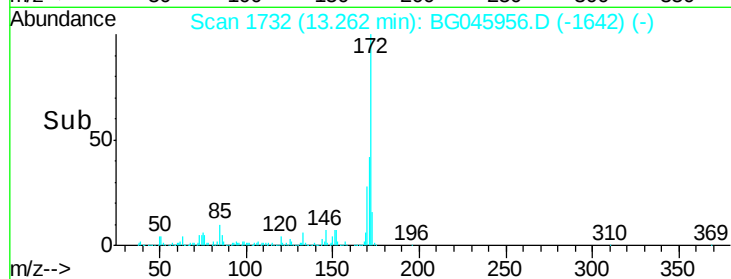
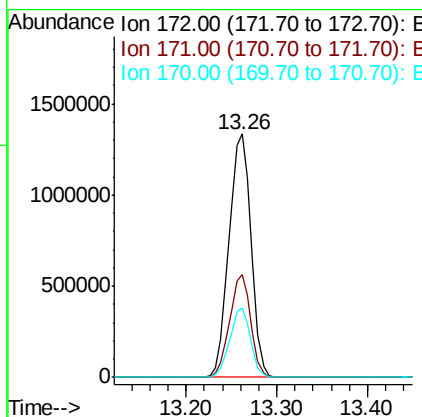
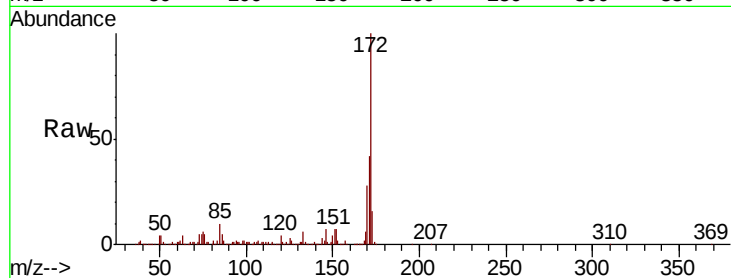
#45
2-Fluorobiphenyl
Concen: 103.354 ng
RT: 13.26 min Scan# 1732
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
172	100		
171	42.0	32.9	49.3
170	28.5	21.8	32.6

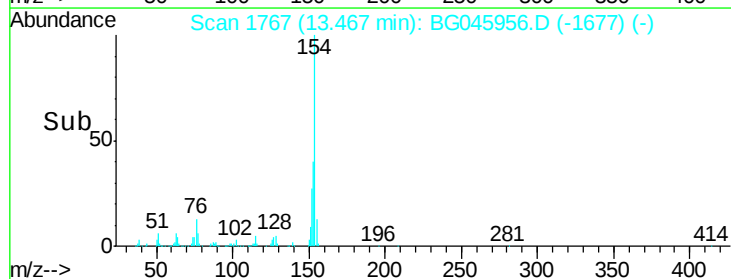
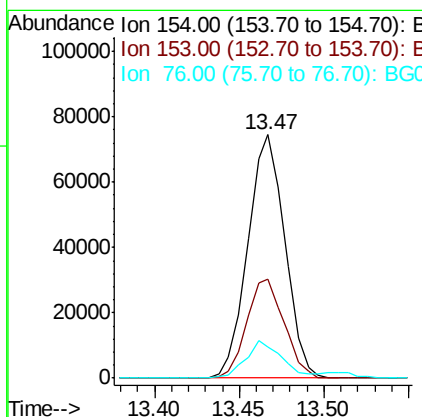
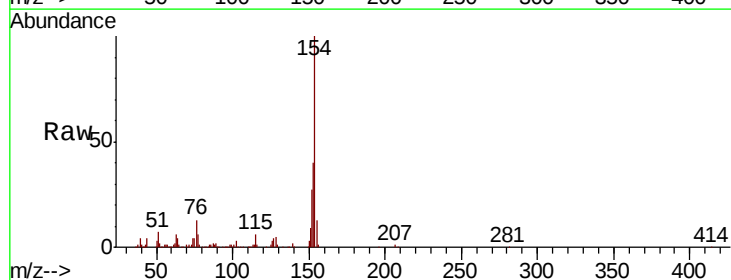
Manual Integrations
APPROVED

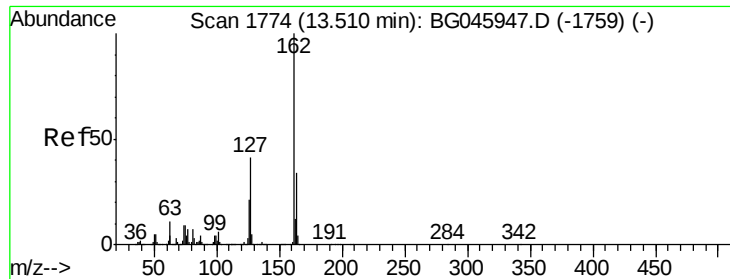
mohammad
7/9/2020 10:55:12 AM



#46
1,1'-Biphenyl
Concen: 4.419 ng
RT: 13.47 min Scan# 1767
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.4	23.6	63.6
76	13.0	0.0	36.9





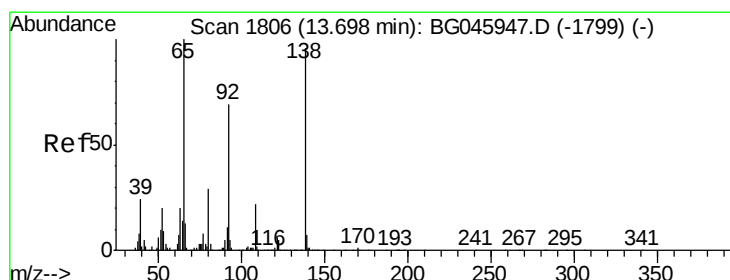
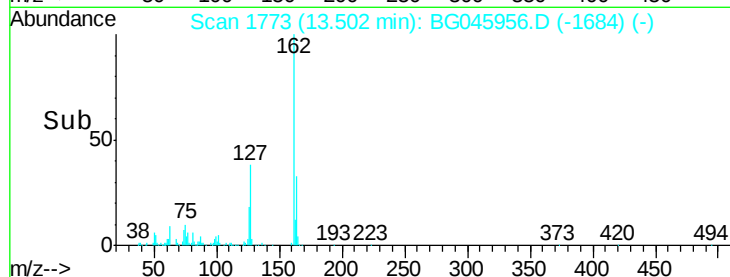
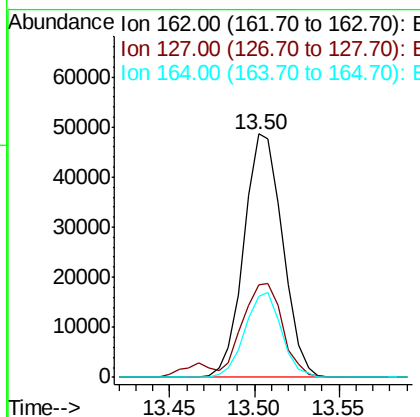
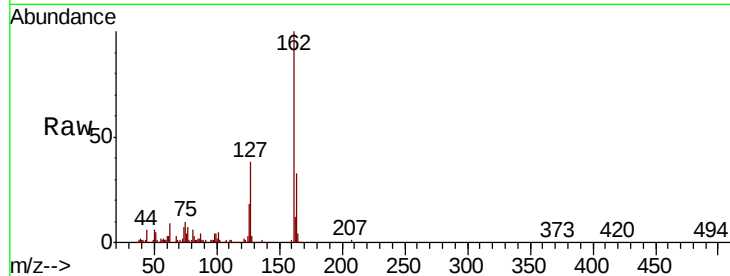
#47
 2-Chloronaphthalene
 Concen: 3.824 ng
 RT: 13.50 min Scan# 1773
 Delta R.T. -0.01 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
162	100		
127	37.9	32.5	48.7
164	33.4	27.2	40.8

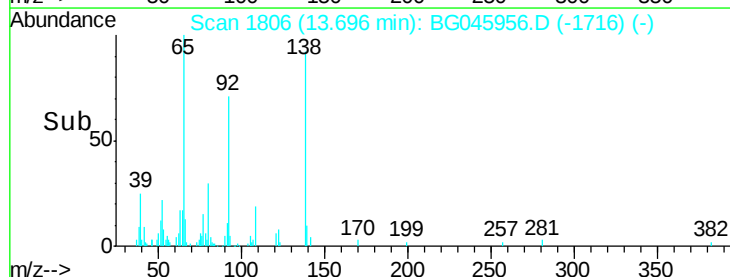
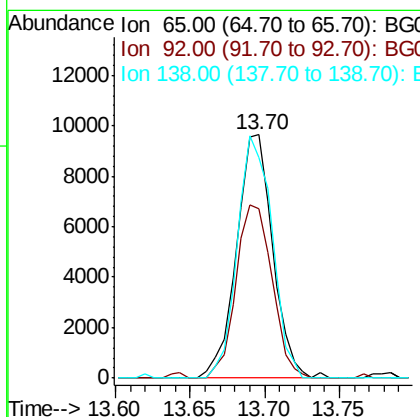
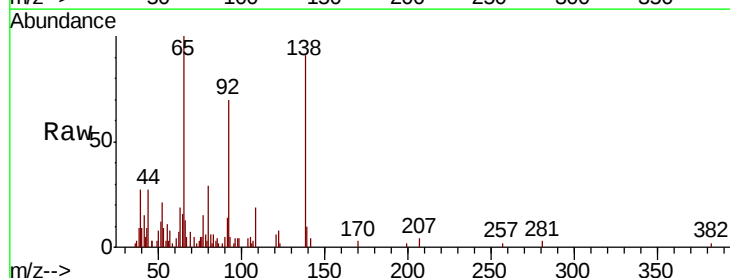
Manual Integrations
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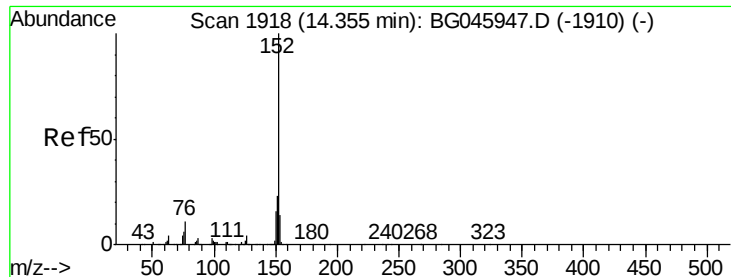
mohammad
 7/9/2020 10:55:12 AM



#48
 2-Nitroaniline
 Concen: 3.425 ng
 RT: 13.70 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
65	100		
92	69.8	55.4	83.0
138	90.7	77.0	115.4





#49

Acenaphthylene

Concen: 4.019 ng

RT: 14.35 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

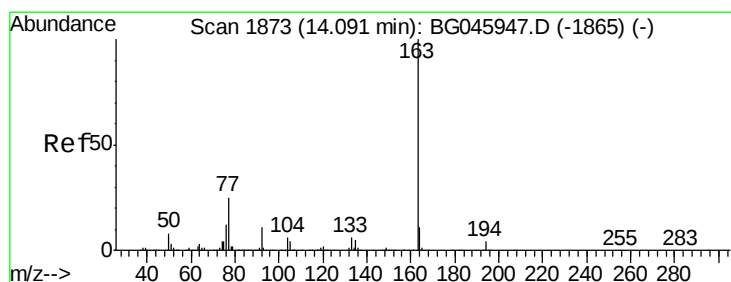
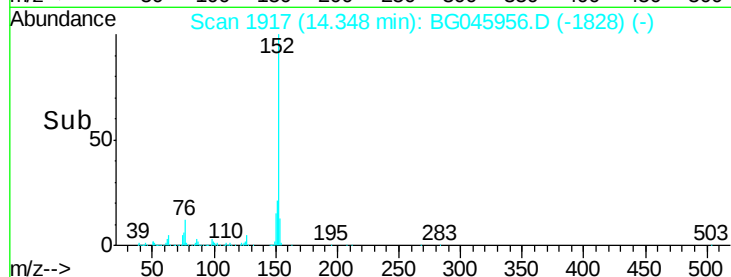
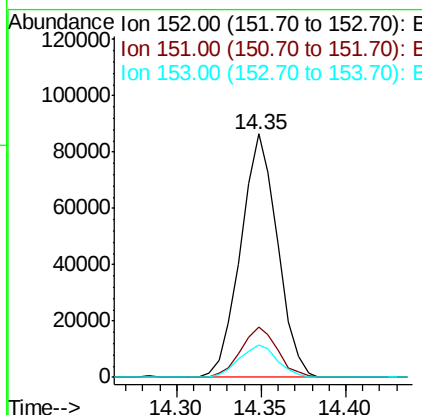
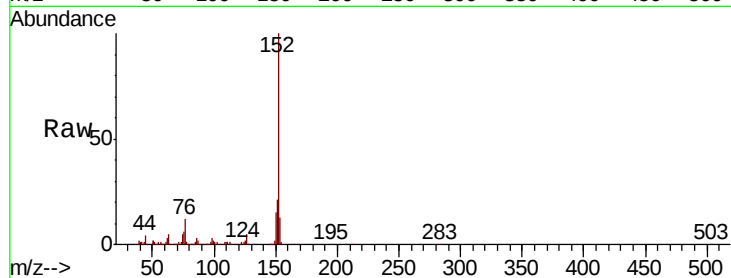
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	152	Resp:	131157
Ion Ratio	Lower	Upper	
152	100		
151	20.8	18.1	27.1
153	13.1	11.5	17.3

Manual Integrations
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#50

Dimethylphthalate

Concen: 3.738 ng

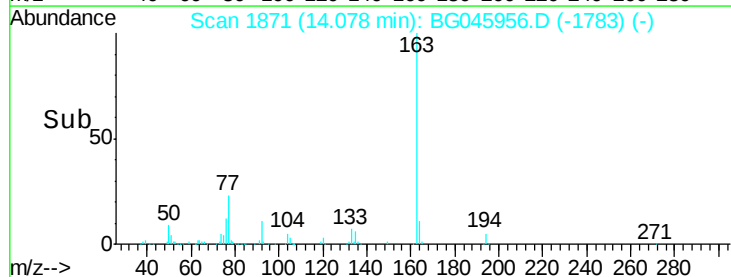
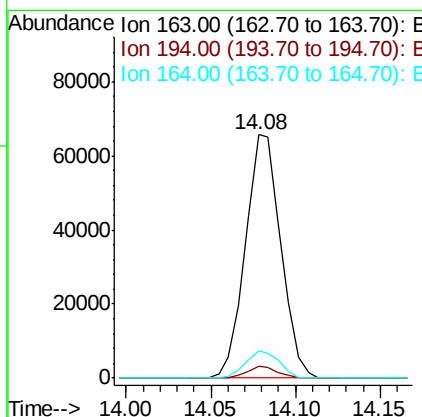
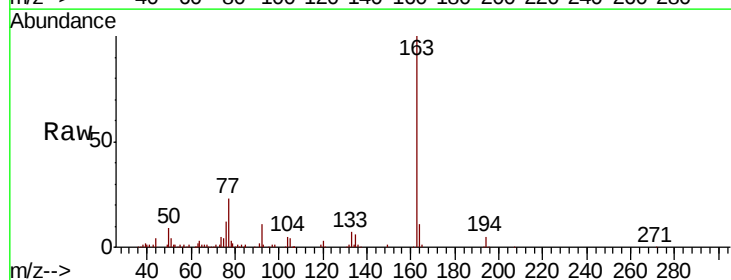
RT: 14.08 min Scan# 1871

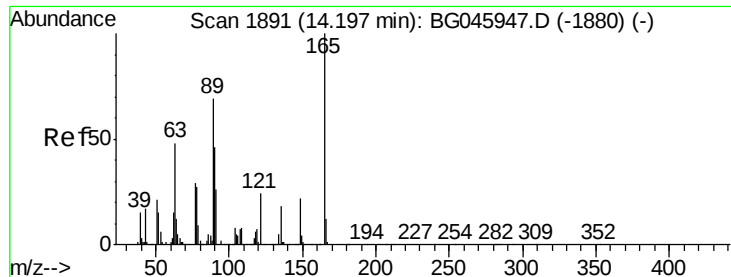
Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Tgt Ion:	163	Resp:	95605
Ion Ratio	Lower	Upper	
163	100		
194	4.7	3.6	5.4
164	11.5	8.9	13.3





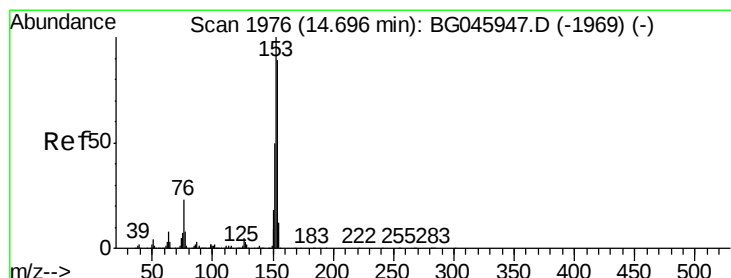
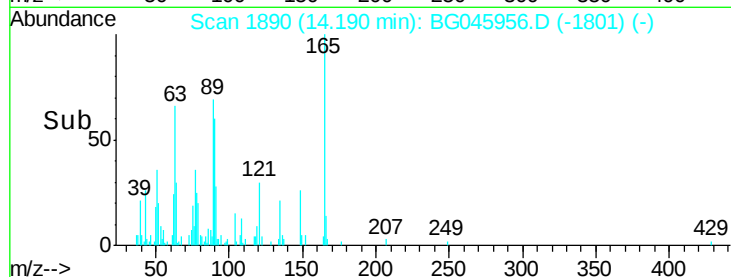
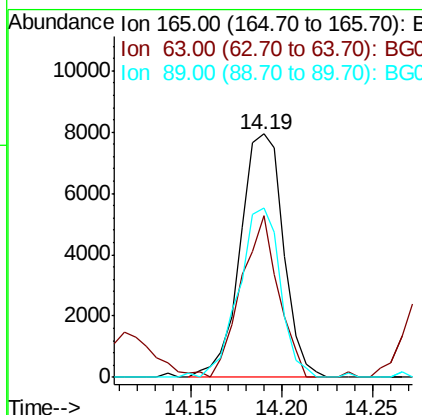
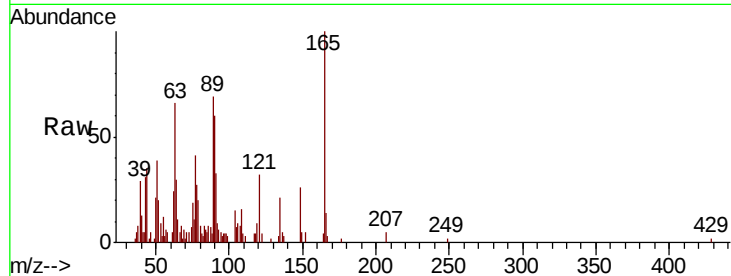
#51
2,6-Dinitrotoluene
Concen: 3.308 ng
RT: 14.19 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
165	100		
63	66.4	51.0	76.4
89	69.4	55.7	83.5

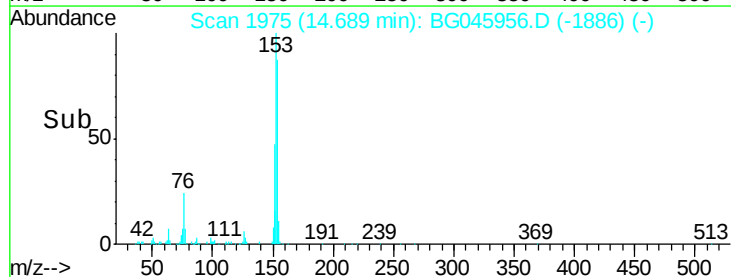
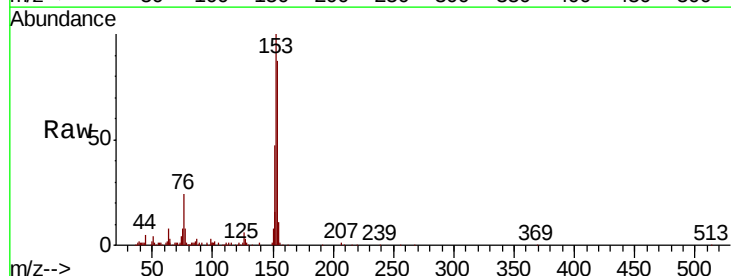
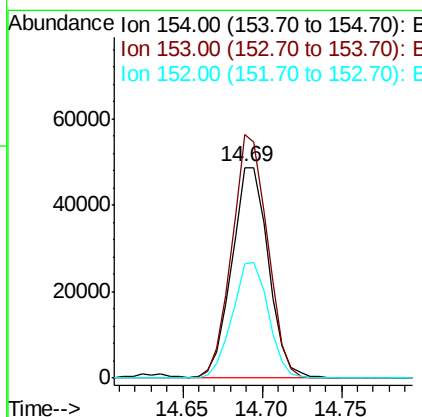
Manual Integrations
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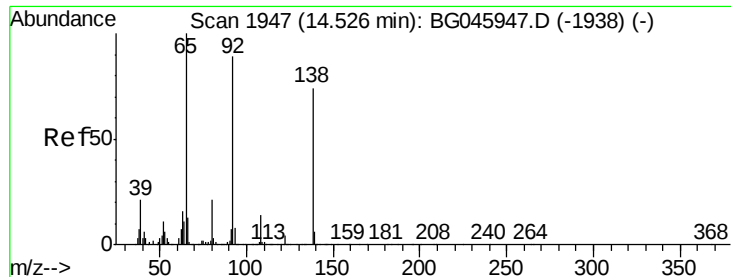
mohammad
7/9/2020 10:55:12 AM



#52
Acenaphthene
Concen: 3.804 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.5	89.7	134.5
152	54.4	44.7	67.1





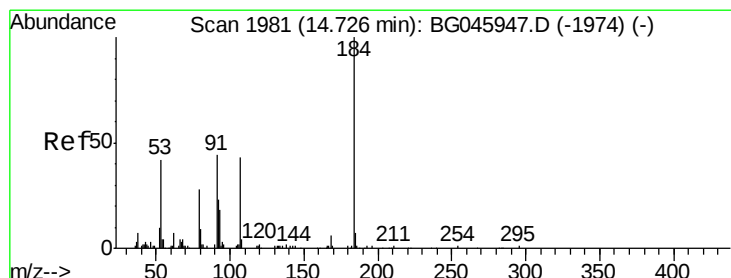
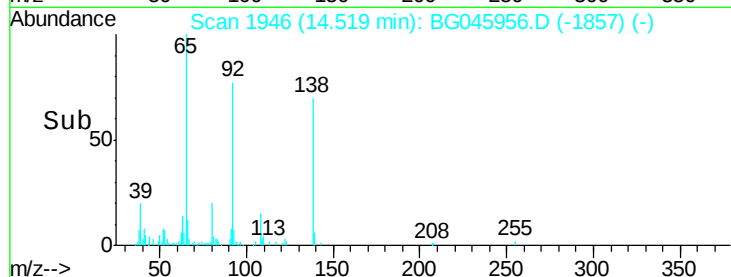
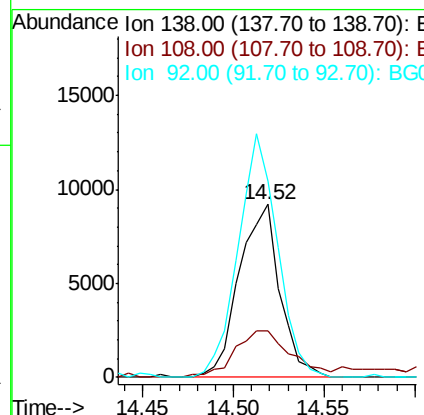
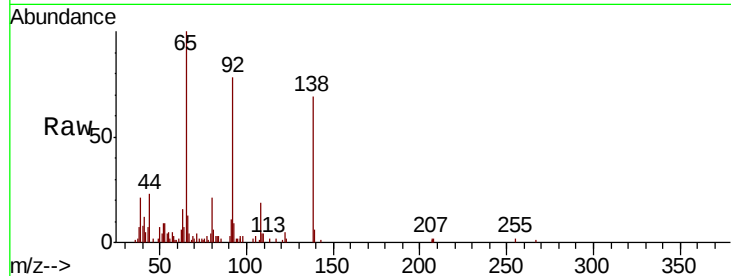
#53
3-Nitroaniline
Concen: 2.932 ng
RT: 14.52 min Scan# 1946
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
138	100		
108	26.9	15.4	23.2#
92	113.1	95.9	143.9

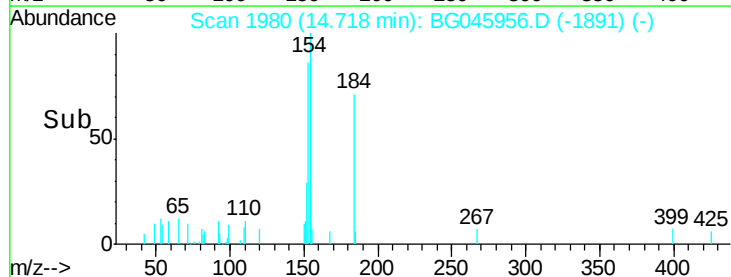
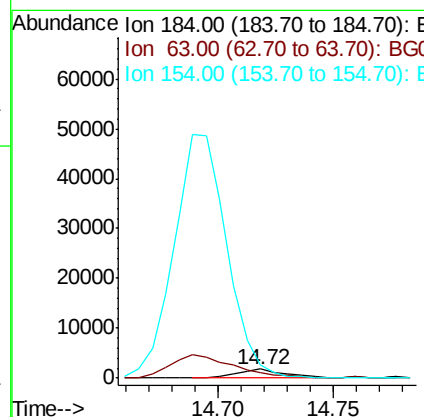
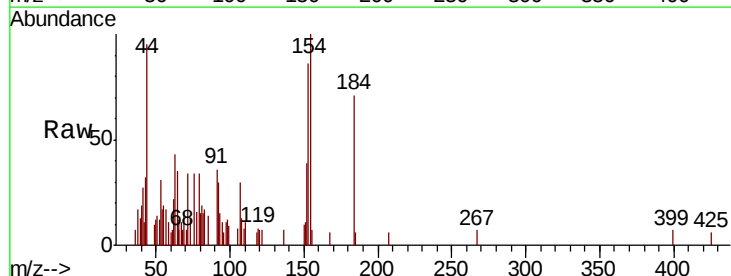
Manual Integrations
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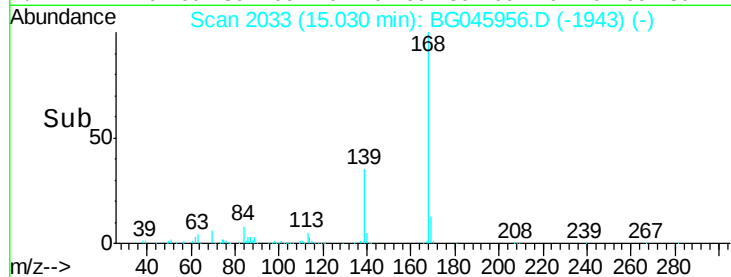
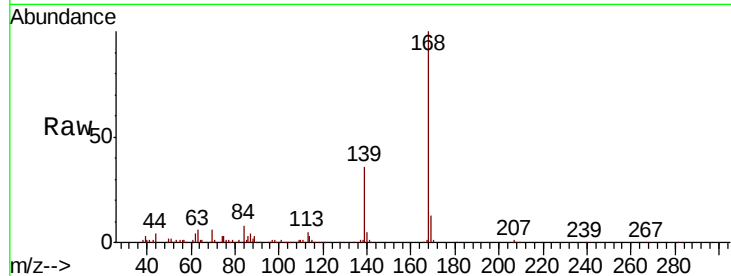
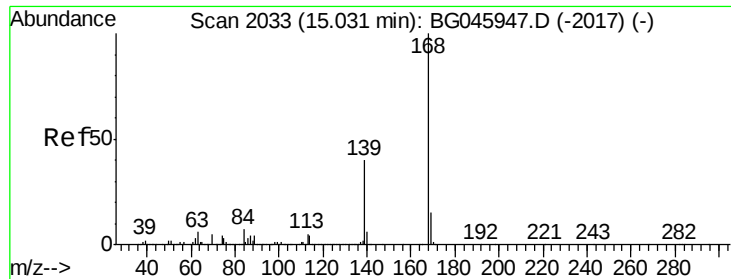
mohammad
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#54
2,4-Dinitrophenol
Concen: 1.899 ng
RT: 14.72 min Scan# 1980
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
184	100		
63	61.0	46.0	69.0
154	140.9	58.2	87.2#





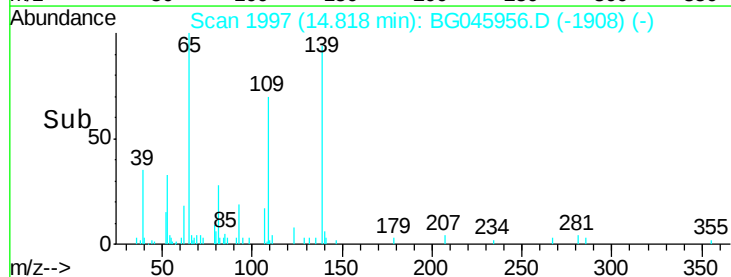
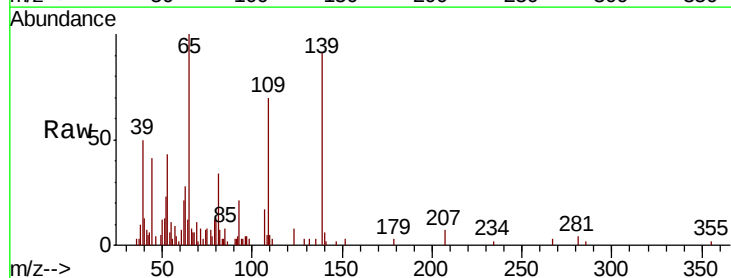
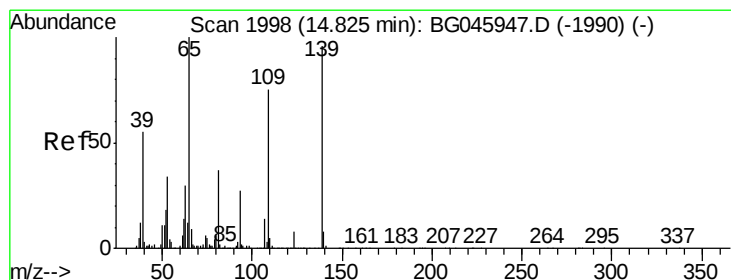
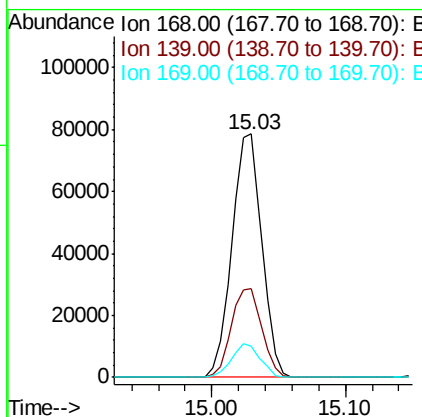
#55
Dibenzofuran
Concen: 4.056 ng
RT: 15.03 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.2	32.2	48.2
169	12.9	11.8	17.8

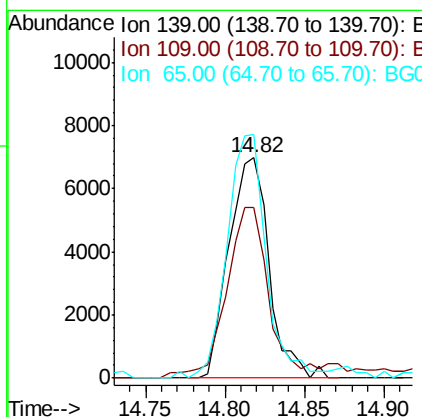
Manual Integrations
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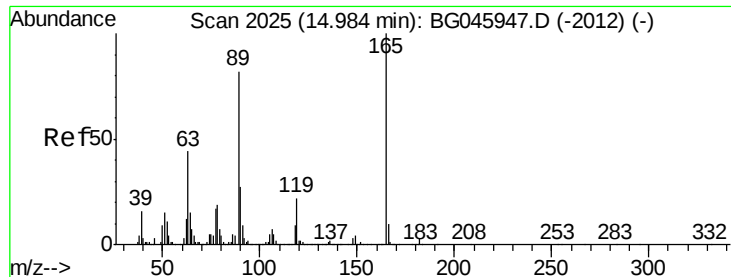
mohammad
7/9/2020 10:55:12 AM



#56
4-Nitrophenol
Concen: 2.945 ng
RT: 14.82 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
139	100		
109	77.4	58.5	98.5
65	110.4	84.7	124.7





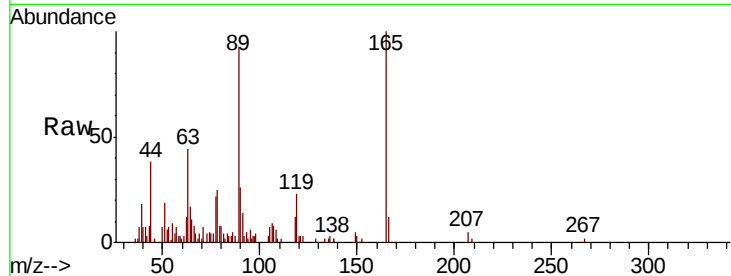
#57
2,4-Dinitrotoluene
Concen: 2.810 ng
RT: 14.98 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
165	100		
63	44.2	35.4	53.0
89	93.2	65.4	98.2
182	0.0	2.0	3.0

Manual Integrations
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mohammad
7/9/2020 10:55:12 AM



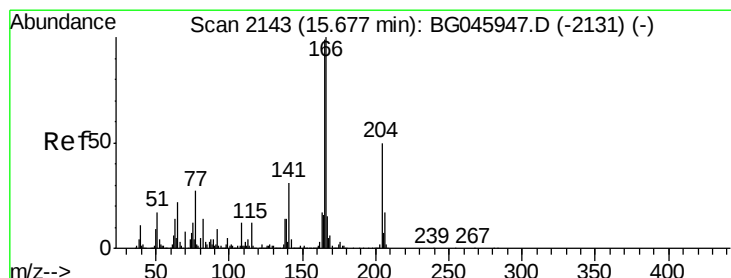
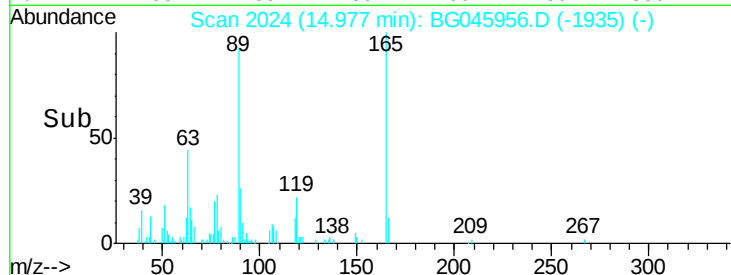
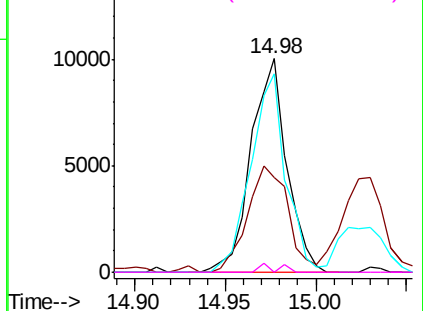
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 4.038 ng
RT: 15.68 min Scan# 2143
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

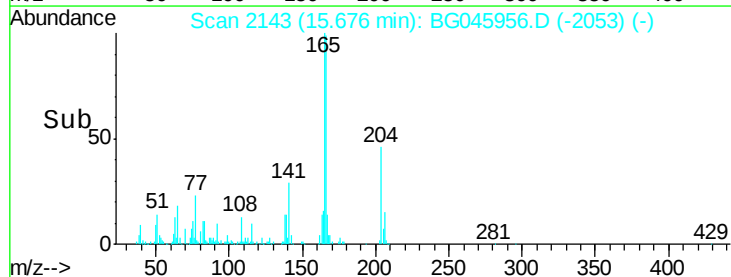
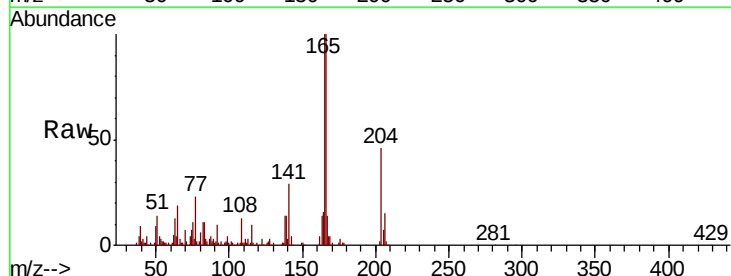
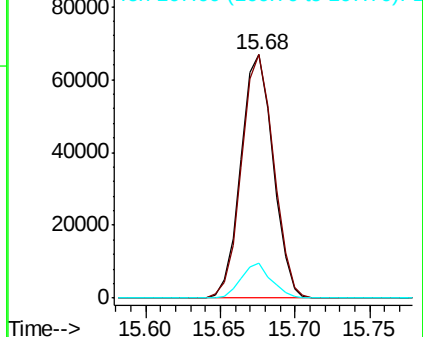
Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.9	78.9	118.3
167	14.3	12.1	18.1

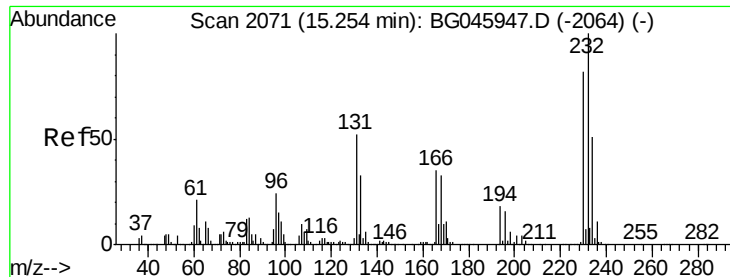
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





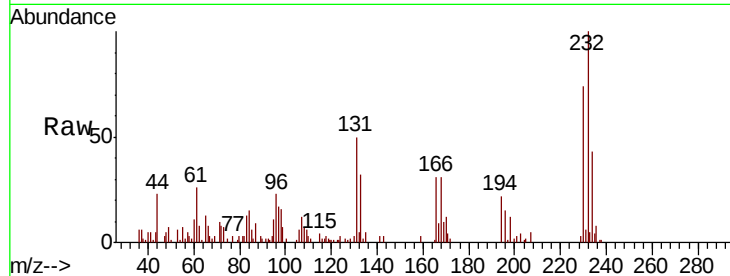
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 3.547 ng
 RT: 15.25 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

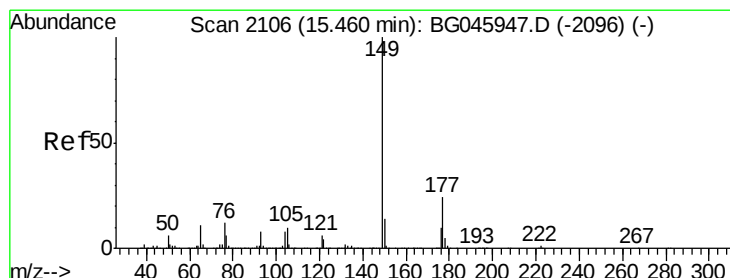
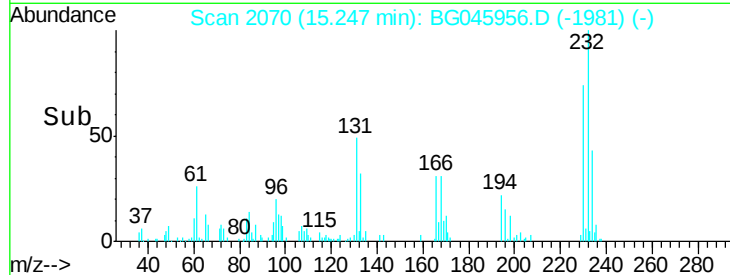
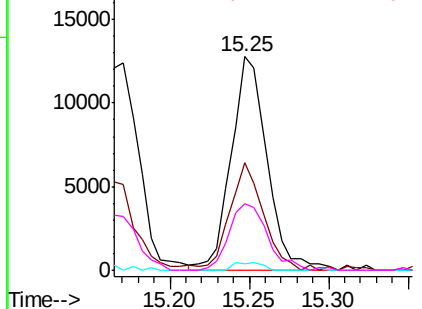
Tot Ion	Ratio	Lower	Upper
232	100		
131	47.9	35.8	53.6
130	2.8	2.5	3.7
166	32.9	21.8	32.8#

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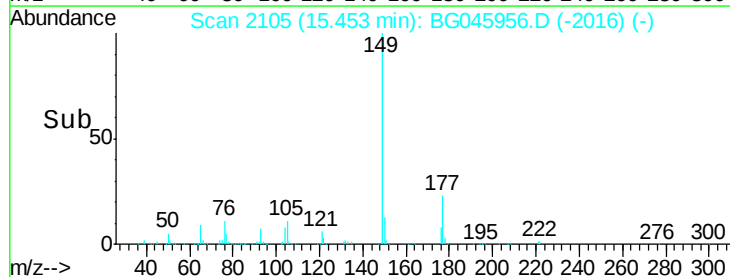
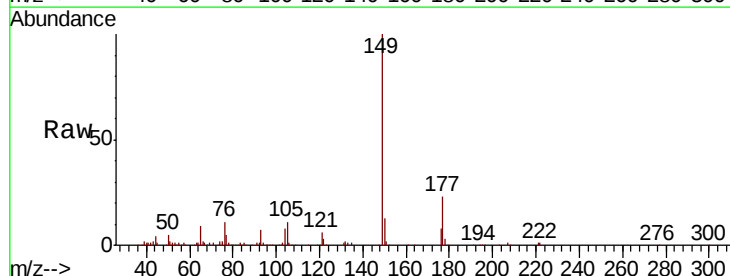
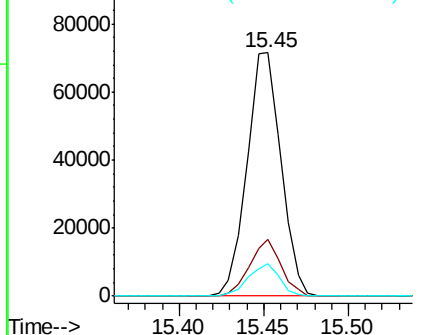
Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

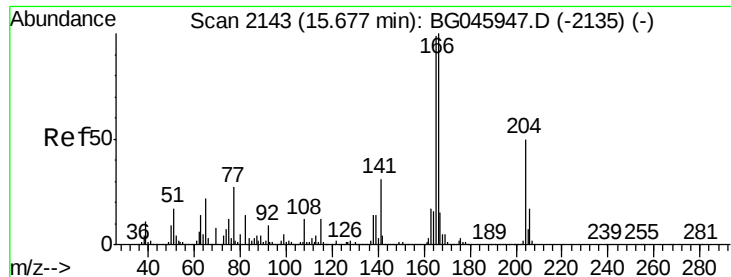


#60
 Diethylphthalate
 Concen: 3.754 ng
 RT: 15.45 min Scan# 2105
 Delta R.T. -0.01 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.1	19.0	28.4
150	13.2	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





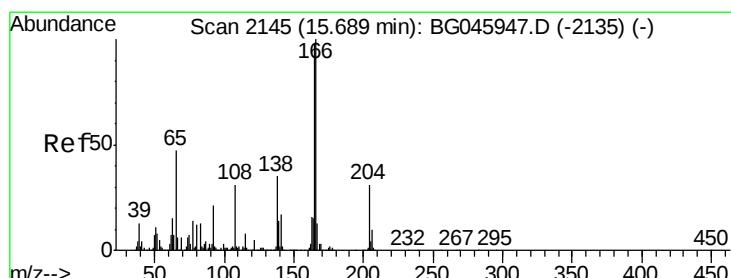
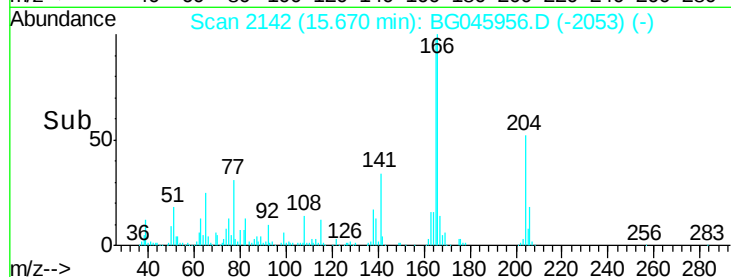
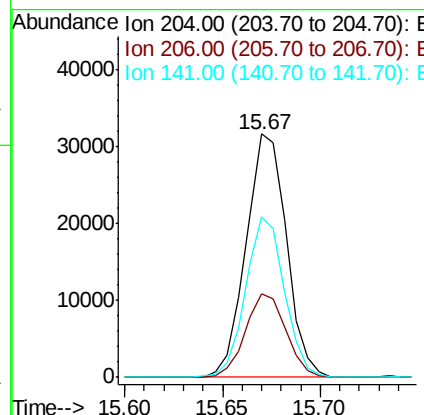
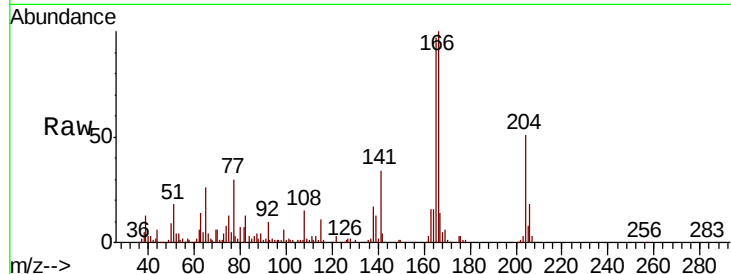
#61
4-Chlorophenyl-phenylether
Concen: 3.688 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.3	27.1	40.7
141	66.1	49.8	74.8

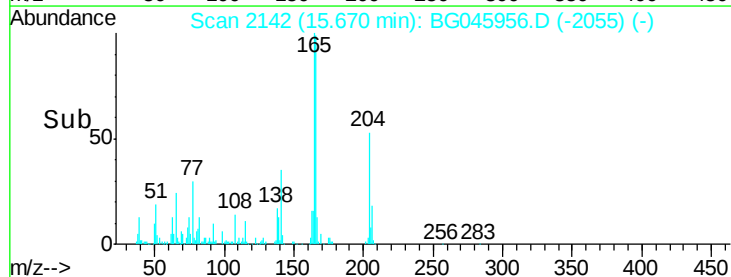
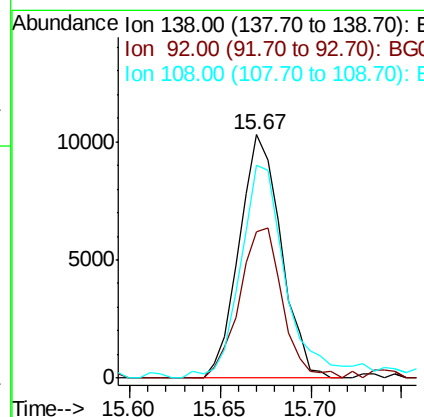
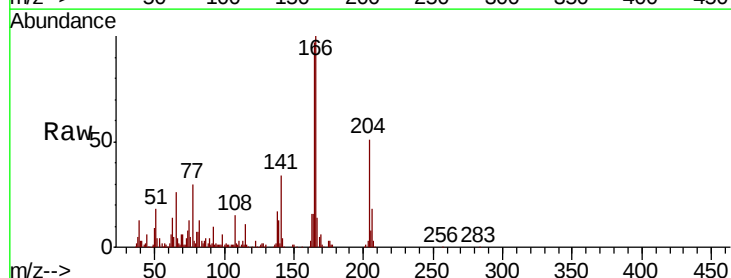
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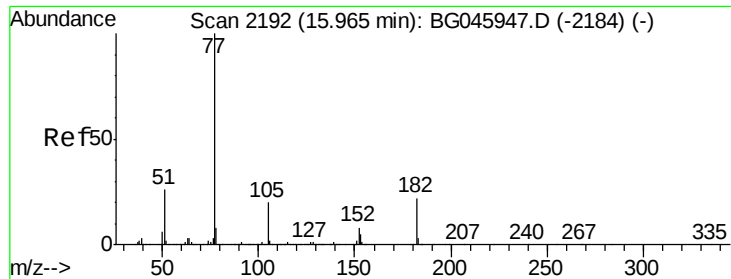
mohammad
7/9/2020 10:55:12 AM



#62
4-Nitroaniline
Concen: 3.130 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.02 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
138	100		
92	60.3	40.3	80.3
108	87.5	68.0	108.0





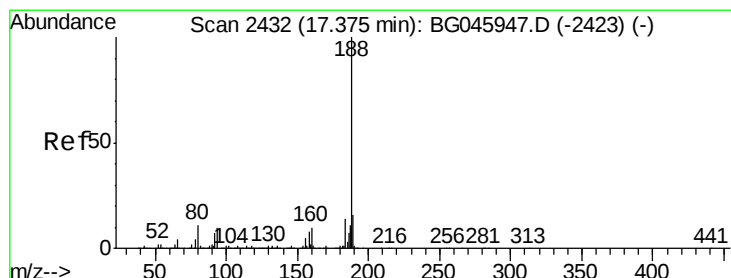
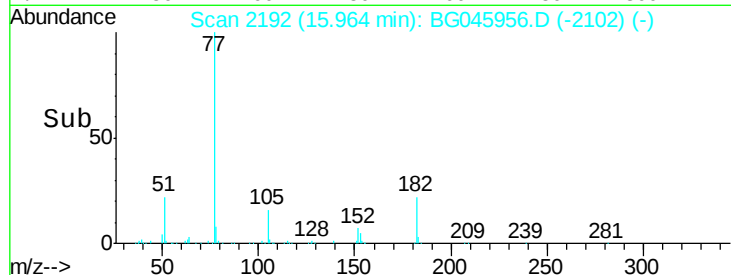
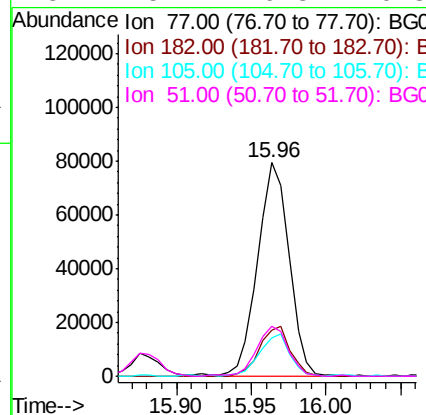
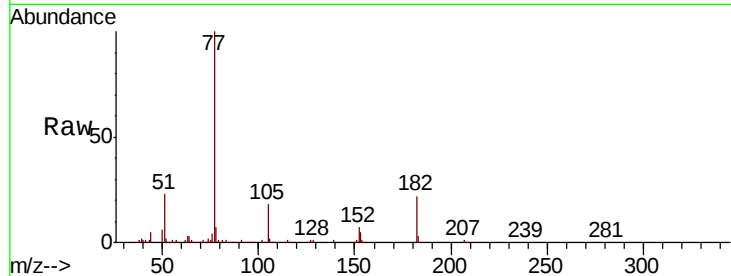
#63
Azobenzene
Concen: 4.027 ng
RT: 15.96 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		115913		
182	21.7	2.4	42.4		
105	18.2	0.3	40.3		
51	23.1	6.3	46.3		

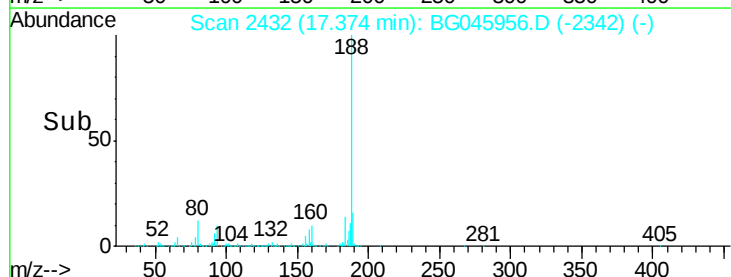
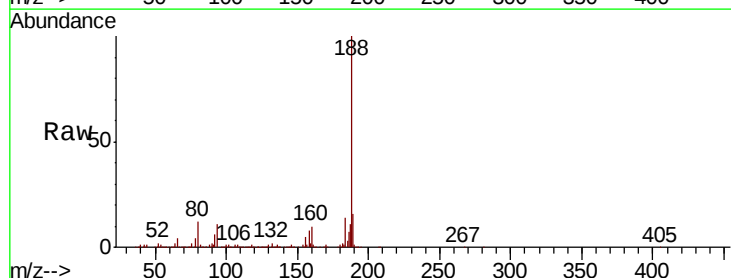
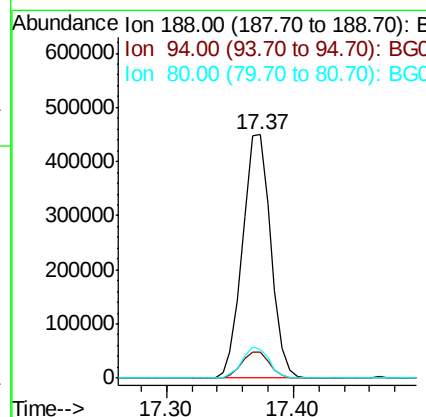
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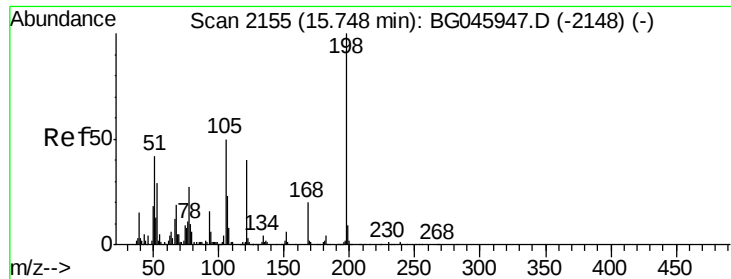
mohammad
7/9/2020 10:55:12 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2432
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		690695		
94	10.6	8.2	12.4		
80	12.0	9.0	13.6		





#65

4,6-Dinitro-2-methylphenol

Concen: 2.399 ng

RT: 15.74 min Scan# 2154

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

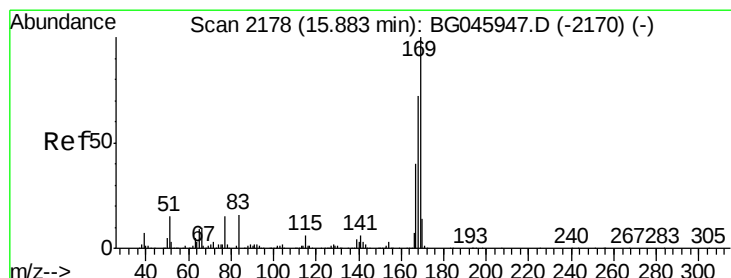
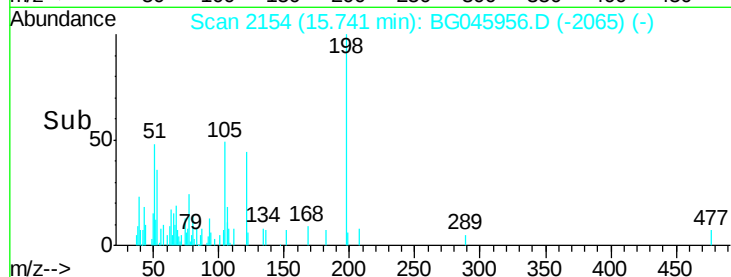
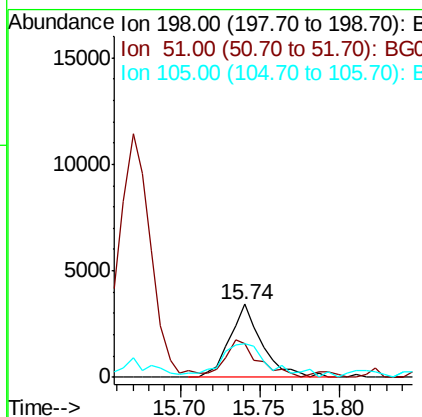
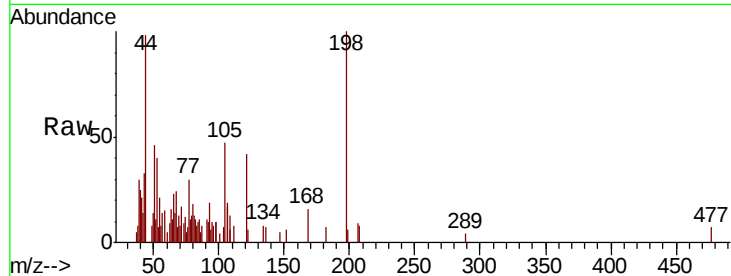
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	198	Resp:	4853
Ion Ratio	Lower	Upper	
198	100		
51	45.7	24.5	64.5
105	46.6	30.9	70.9

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#66

n-Nitrosodiphenylamine

Concen: 3.917 ng

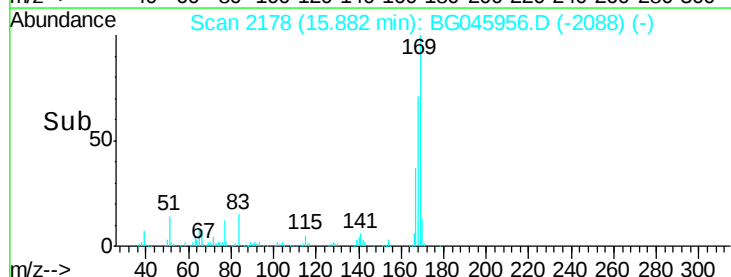
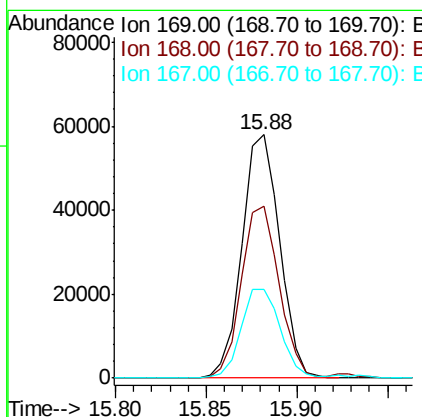
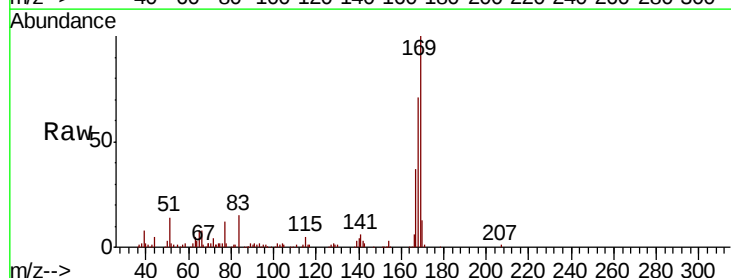
RT: 15.88 min Scan# 2178

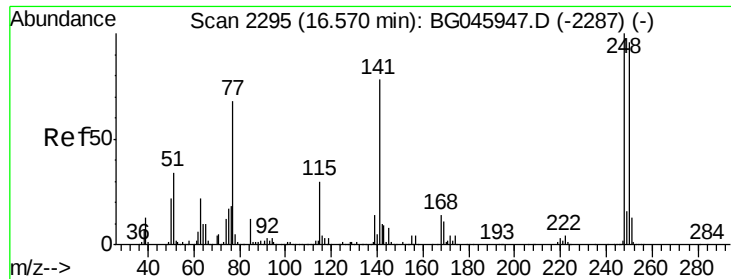
Delta R.T. -0.00 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Tgt Ion:	169	Resp:	83845
Ion Ratio	Lower	Upper	
169	100		
168	70.5	57.3	85.9
167	36.6	32.1	48.1





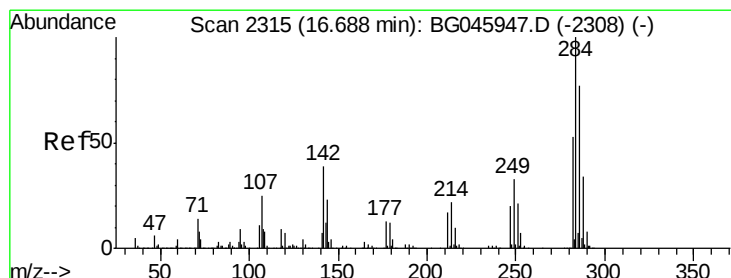
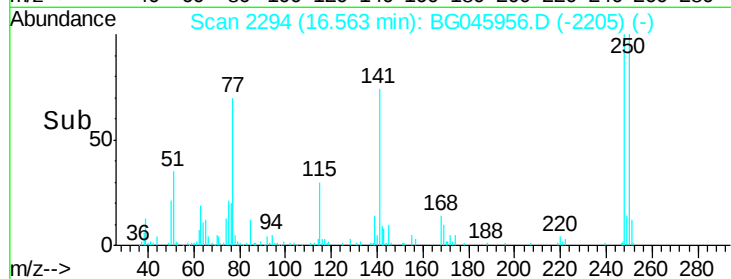
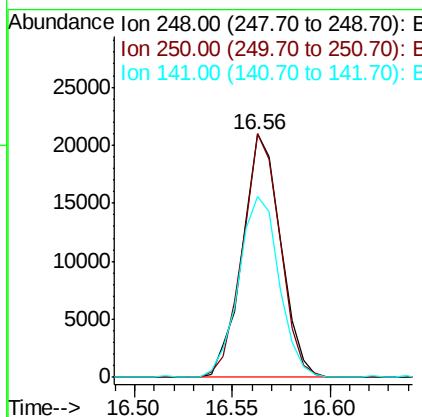
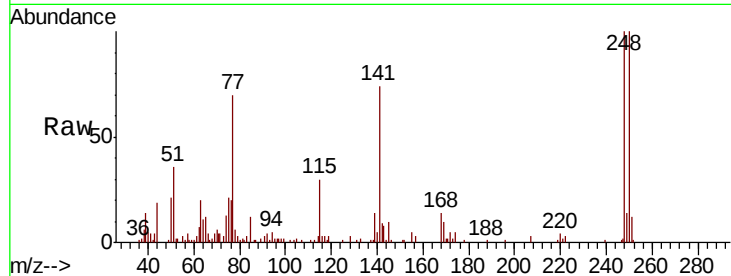
#67
4-Bromophenyl-phenylether
Concen: 3.680 ng
RT: 16.56 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.9	76.6	114.8
141	74.1	62.7	94.1

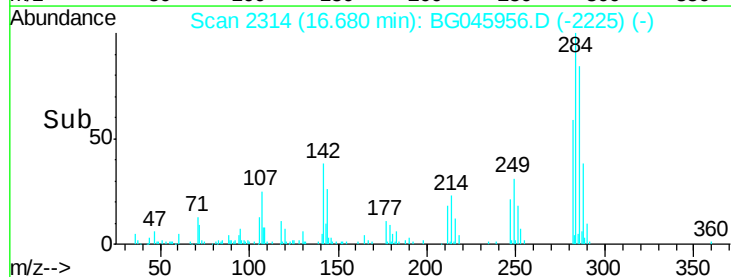
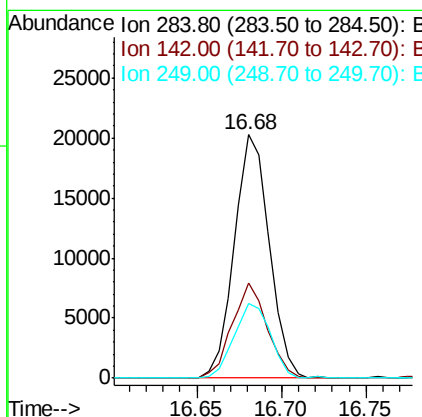
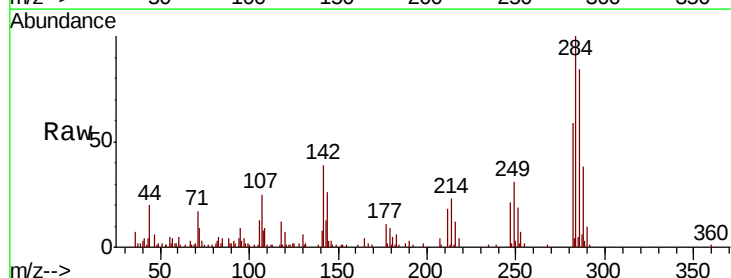
Manual Integrations
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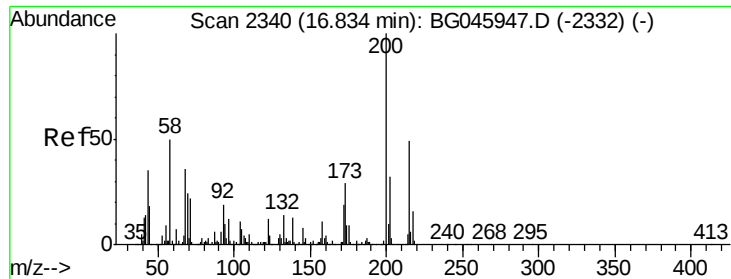
mohammad
7/9/2020 10:55:12 AM



#68
Hexachlorobenzene
Concen: 3.767 ng
RT: 16.68 min Scan# 2314
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
284	100		
142	39.1	31.3	46.9
249	30.8	26.8	40.2





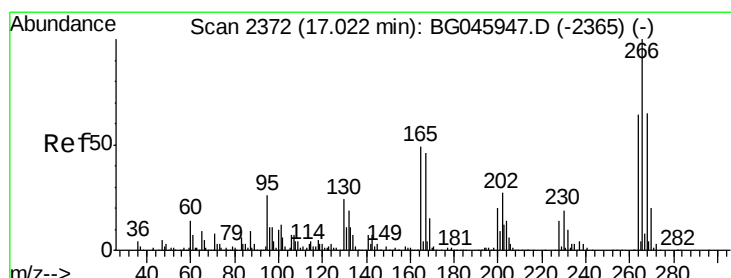
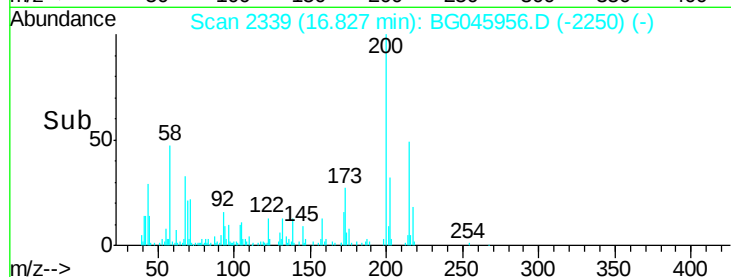
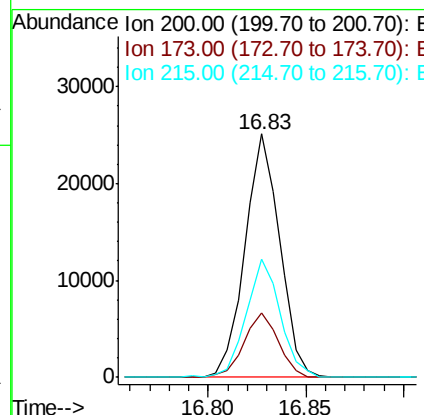
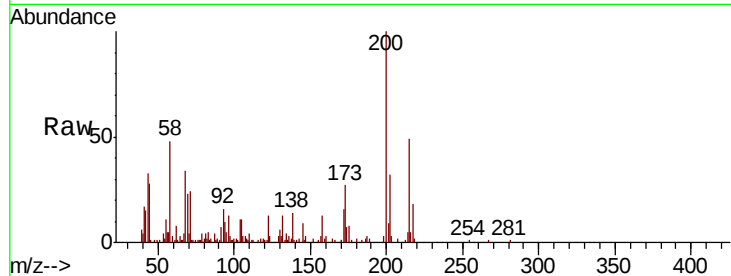
#69
Atrazine
Concen: 4.883 ng
RT: 16.83 min Scan# 2339
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.6	9.1	49.1
215	48.6	28.8	68.8

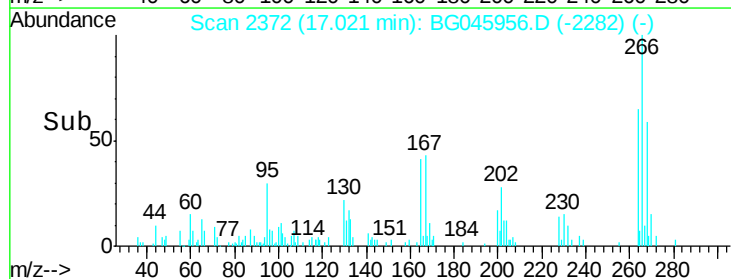
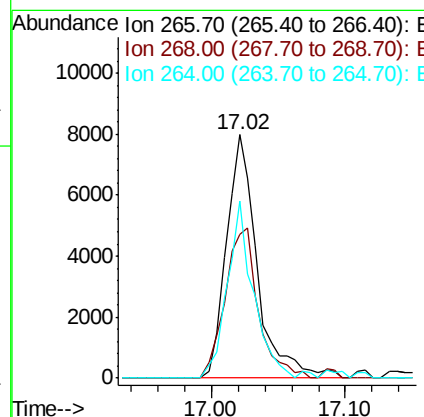
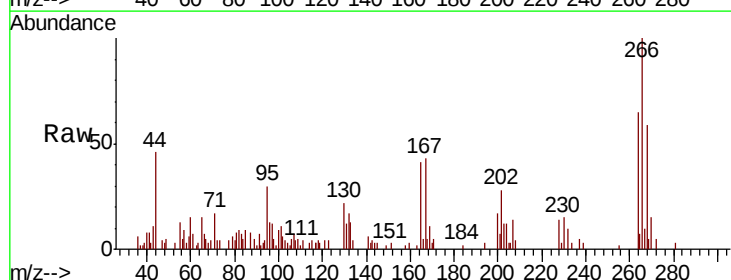
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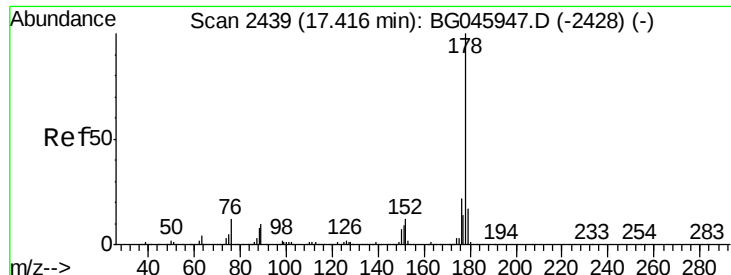
mohammad
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#70
Pentachlorophenol
Concen: 3.015 ng
RT: 17.02 min Scan# 2372
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
266	100		
268	58.8	51.8	77.8
264	72.6	51.4	77.0





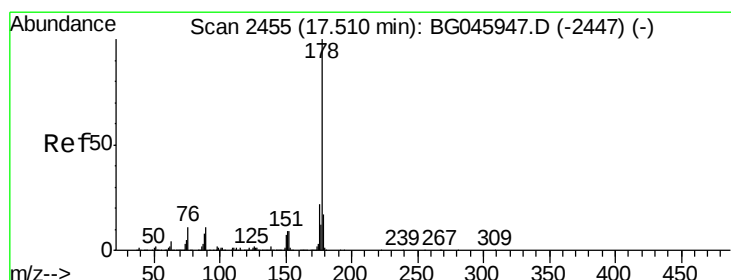
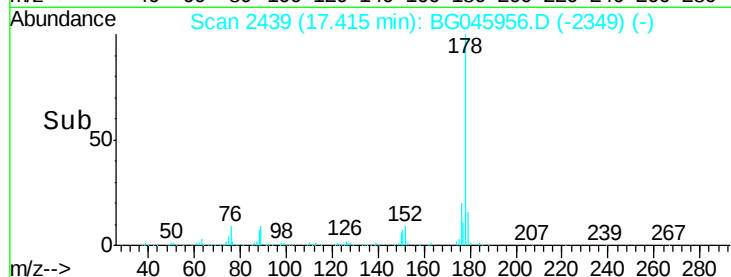
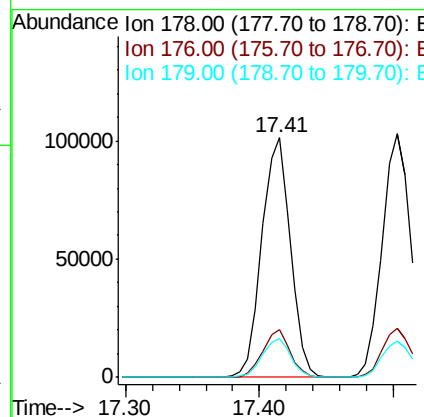
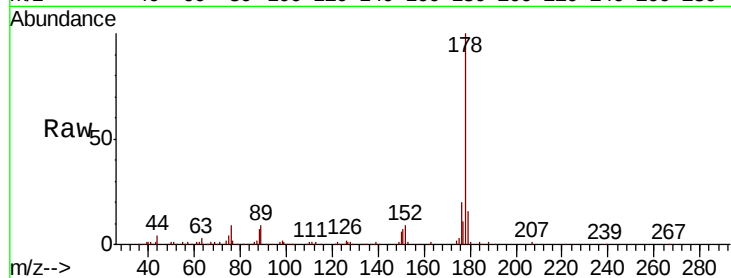
#71
Phenanthrene
Concen: 4.104 ng
RT: 17.41 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	17.4	26.2
179	16.5	13.4	20.2

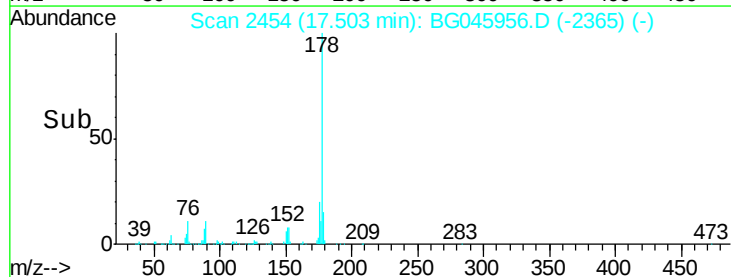
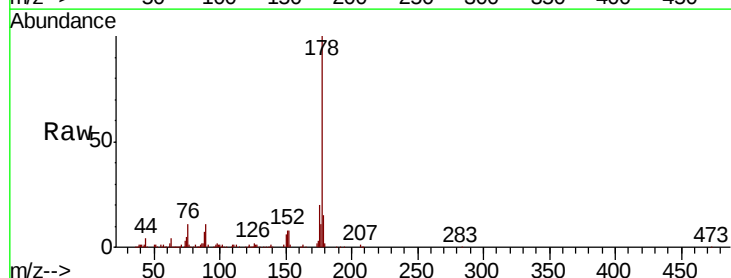
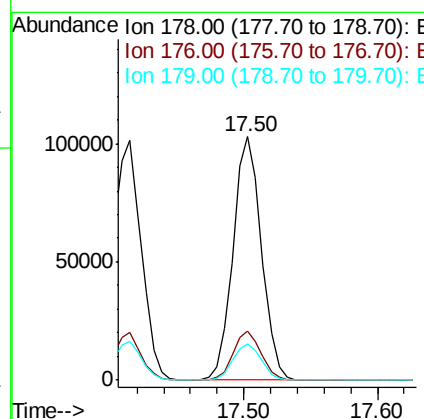
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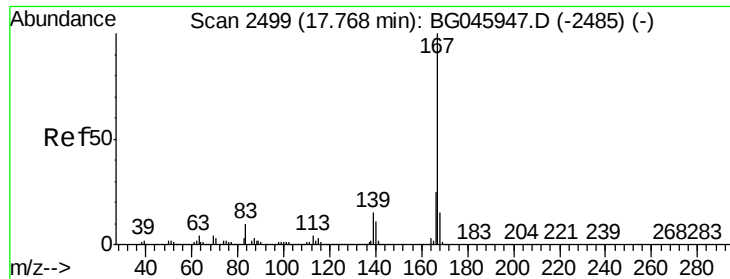
mohammad
7/9/2020 10:55:12 AM



#72
Anthracene
Concen: 4.129 ng
RT: 17.50 min Scan# 2454
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	17.2	25.8
179	14.9	14.0	21.0





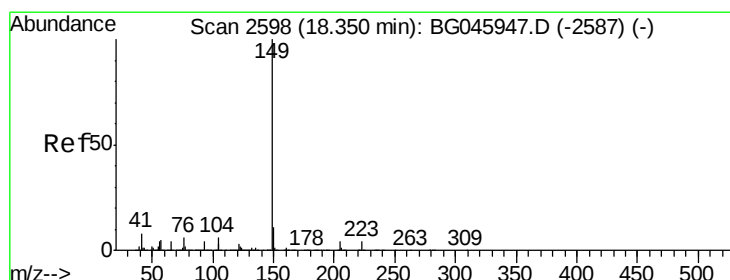
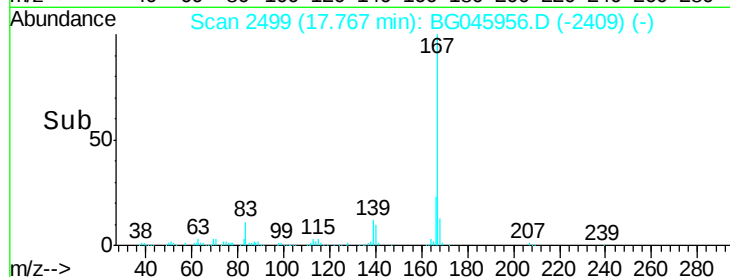
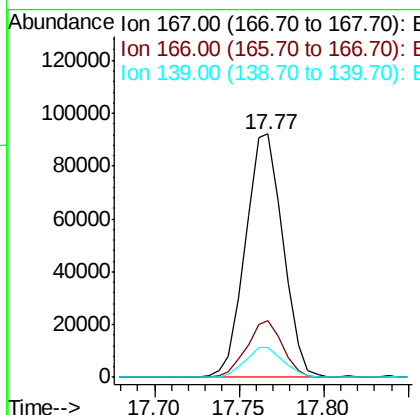
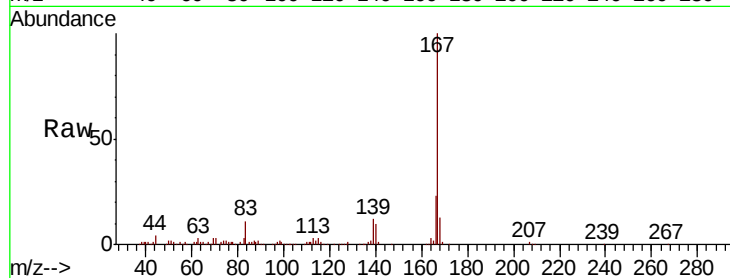
#73
 Carbazole
 Concen: 3.833 ng
 RT: 17.77 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.1	20.4	30.6
139	12.3	11.8	17.8

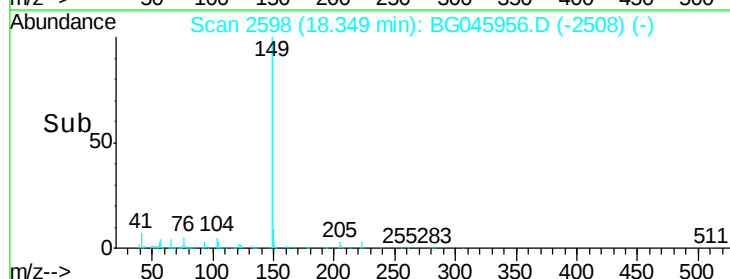
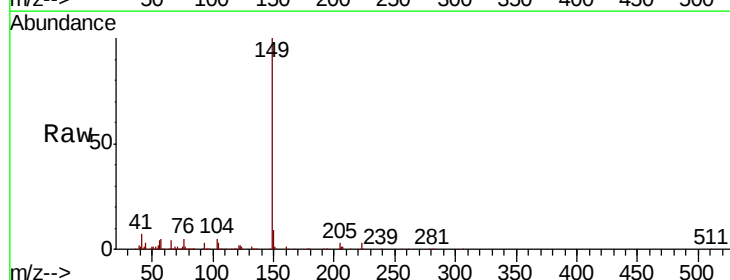
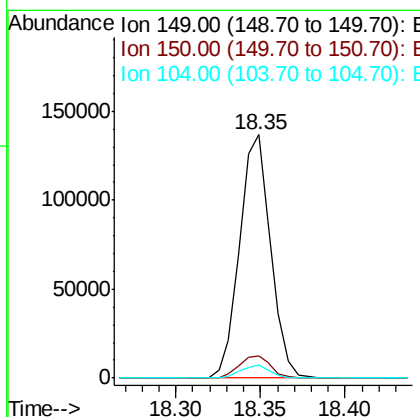
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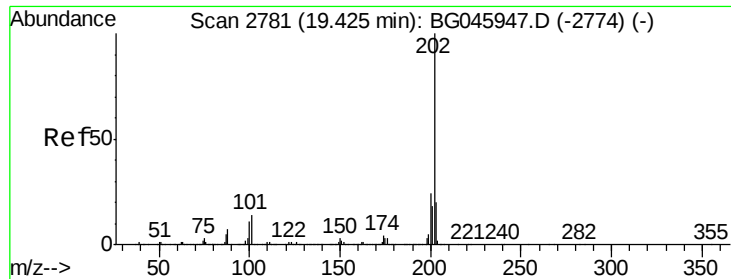
mohammad
 7/9/2020 10:55:12 AM



#74
 Di-n-butylphthalate
 Concen: 3.896 ng
 RT: 18.35 min Scan# 2598
 Delta R.T. -0.00 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.4	9.0	13.4
104	5.4	5.2	7.8





#75

Fluoranthene

Concen: 4.014 ng

RT: 19.42 min Scan# 2780

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

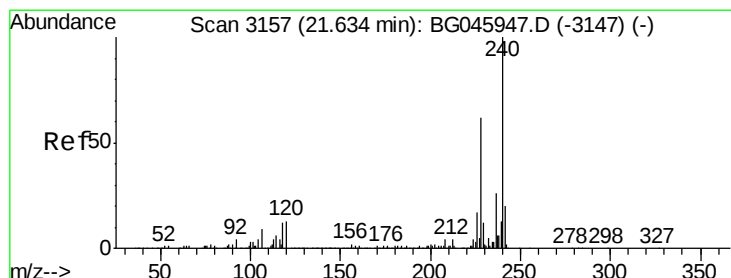
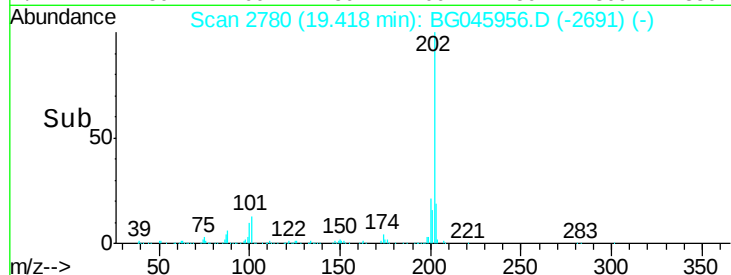
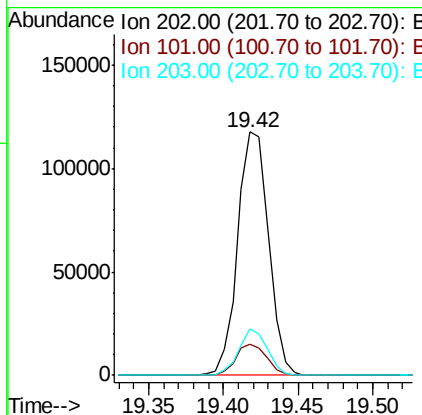
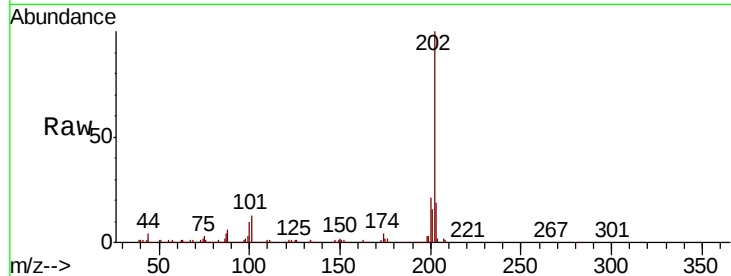
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.7	0.0	33.8
203	19.0	0.4	40.4

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#76

Chrysene-d12

Concen: 20.000 ng

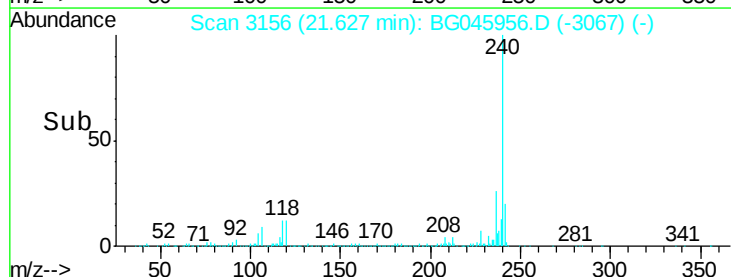
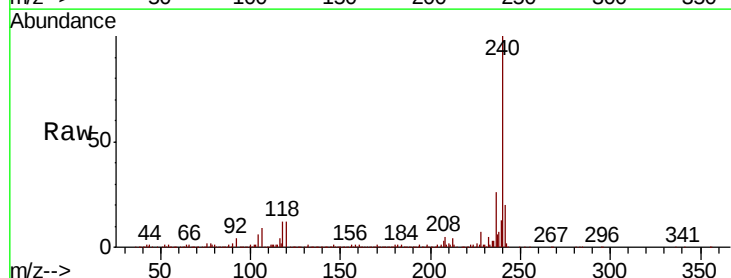
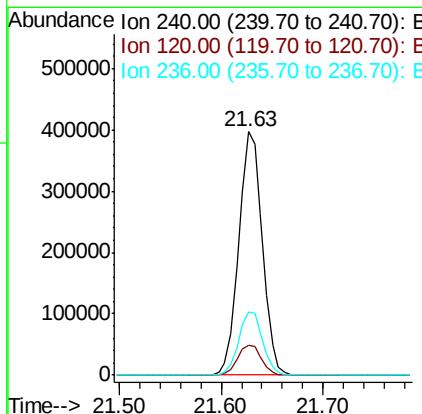
RT: 21.63 min Scan# 3156

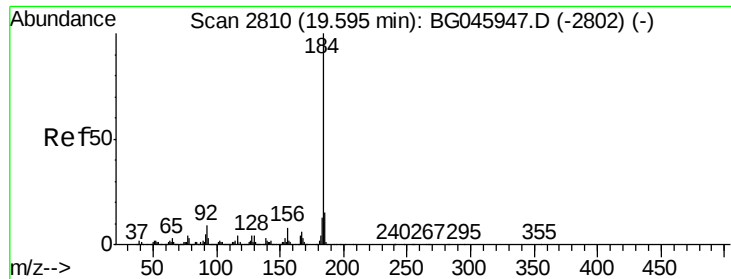
Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.4	10.6	16.0
236	25.7	20.4	30.6





#77

Benzidine

Concen: 4.722 ng

RT: 19.59 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

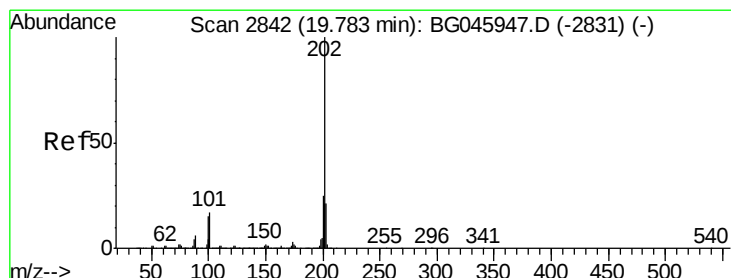
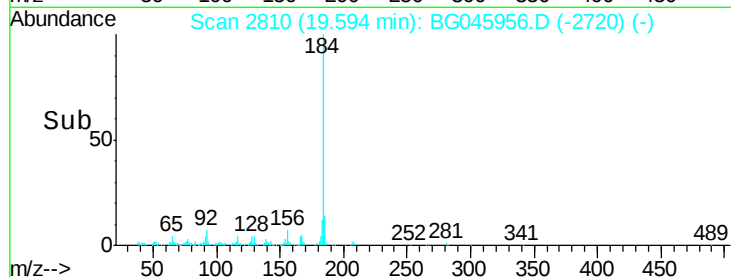
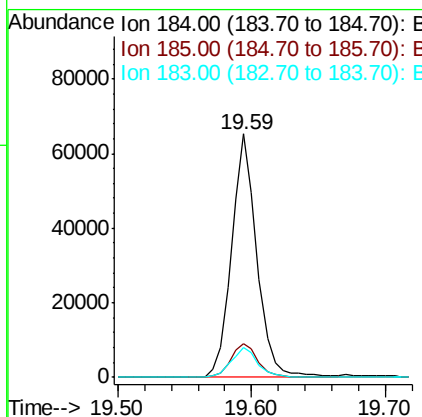
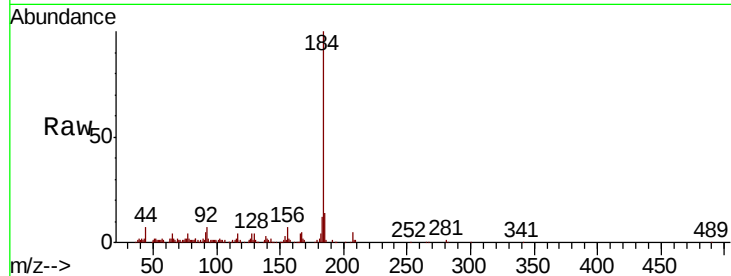
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	184	Resp:	86154
Ion Ratio	Lower	Upper	
184	100		
185	13.9	11.6	17.4
183	12.1	10.4	15.6

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#78

Pyrene

Concen: 4.077 ng m

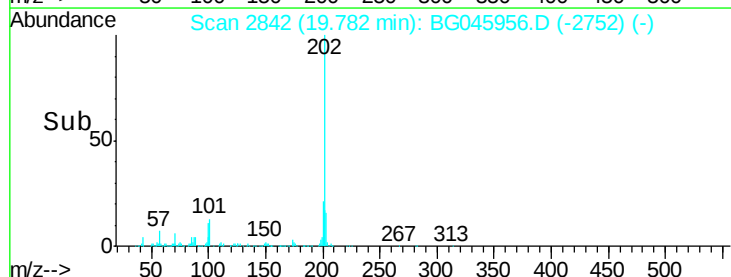
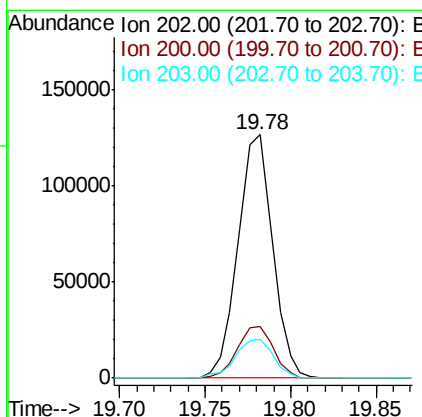
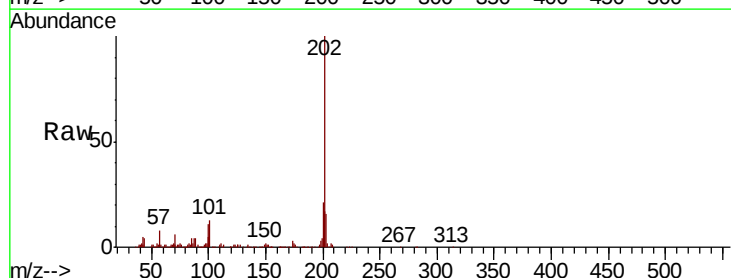
RT: 19.78 min Scan# 2842

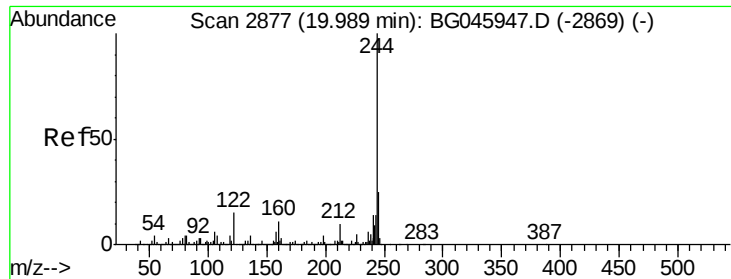
Delta R.T. -0.00 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Tgt Ion:	202	Resp:	177576
Ion Ratio	Lower	Upper	
202	100		
200	21.1	20.1	30.1
203	15.9	16.5	24.7#





#79

Terphenyl-d14

Concen: 91.044 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:244 Resp: 2610336

Ion Ratio Lower Upper

244 100

212 10.4 8.3 12.5

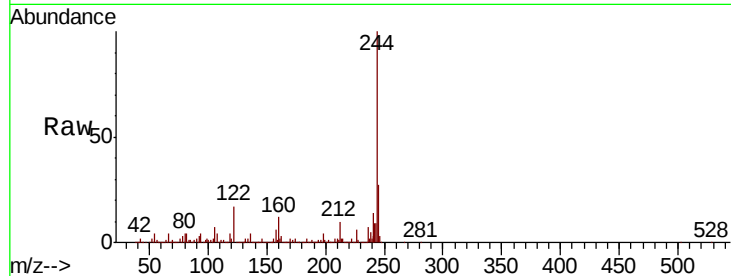
122 16.8 12.1 18.1

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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

19.99

2000000

1500000

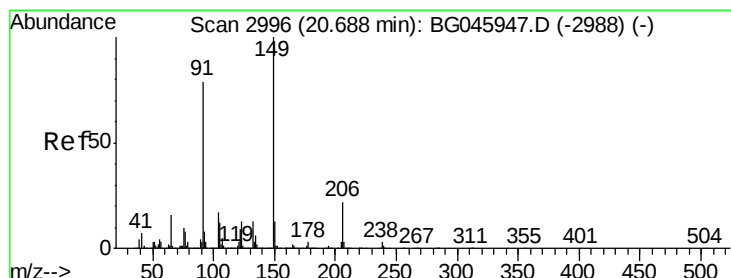
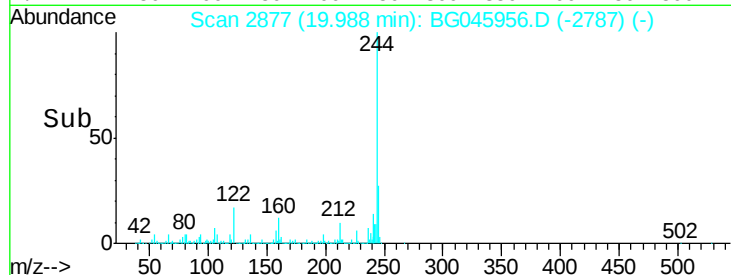
1000000

500000

0

19.90 20.00 20.10

Time-->



#80

Butylbenzylphthalate

Concen: 3.286 ng

RT: 20.68 min Scan# 2995

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

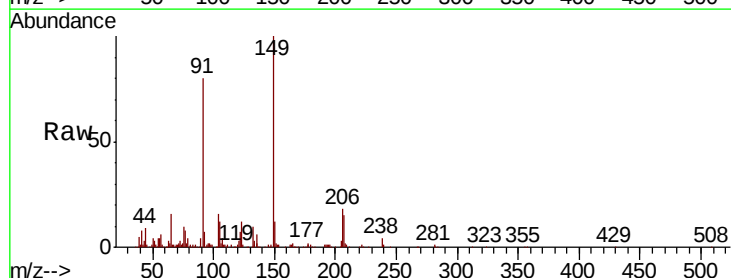
Tgt Ion:149 Resp: 67638

Ion Ratio Lower Upper

149 100

91 80.3 63.1 94.7

206 18.0 17.4 26.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

20.68

80000

60000

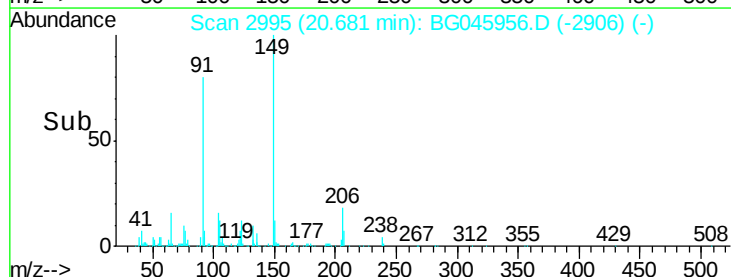
40000

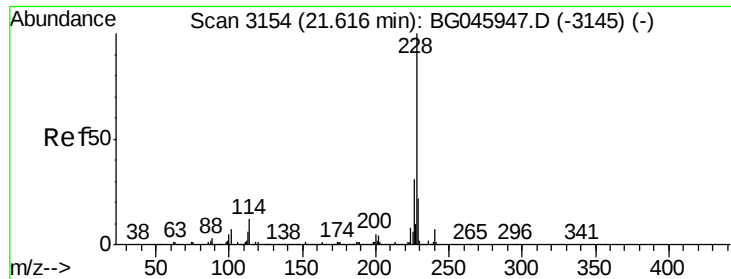
20000

0

20.60 20.65 20.70 20.75

Time-->





#81

Benzo(a)anthracene

Concen: 3.893 ng

RT: 21.61 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

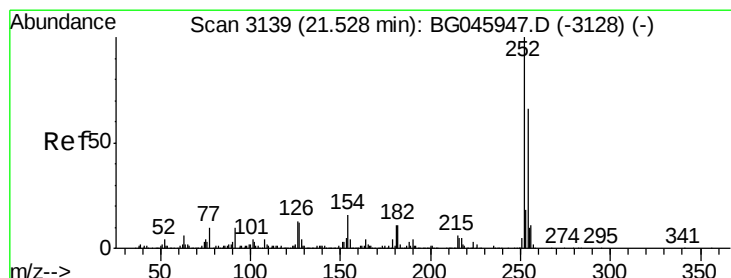
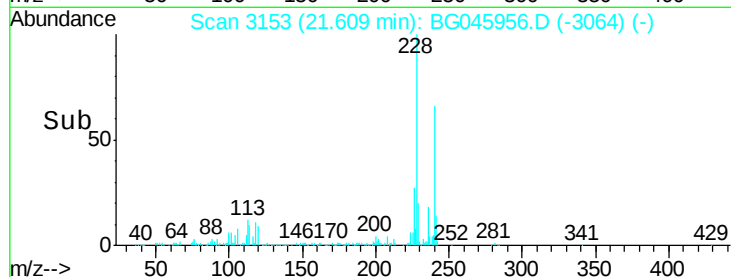
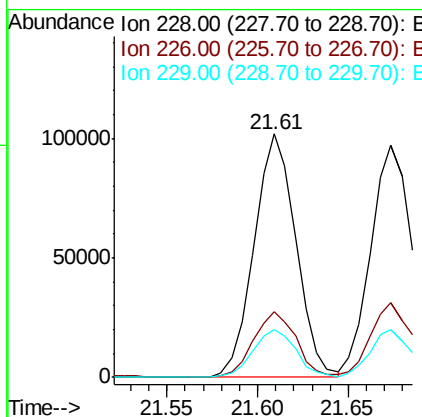
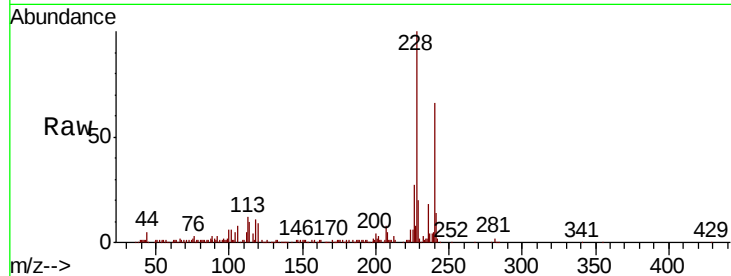
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	228	Resp:	163349
Ion Ratio	Lower	Upper	
228	100		
226	27.0	24.8	37.2
229	19.6	17.8	26.8

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#82

3,3'-Dichlorobenzidine

Concen: 4.112 ng

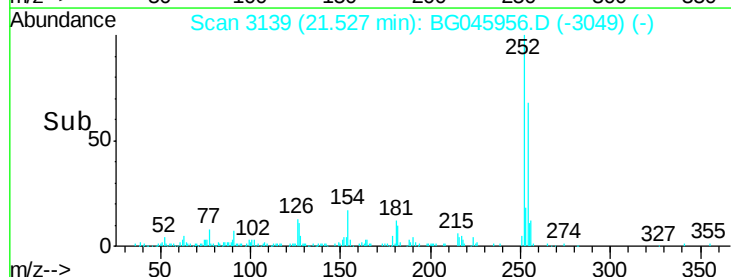
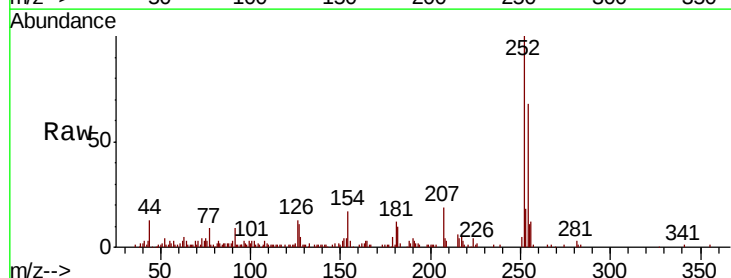
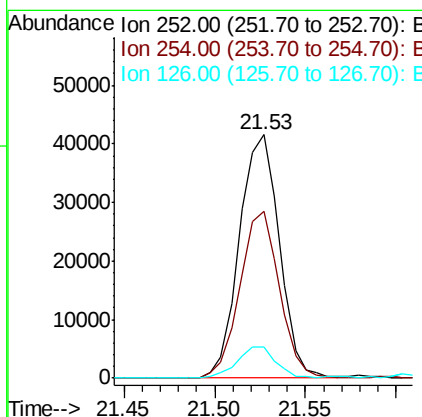
RT: 21.53 min Scan# 3139

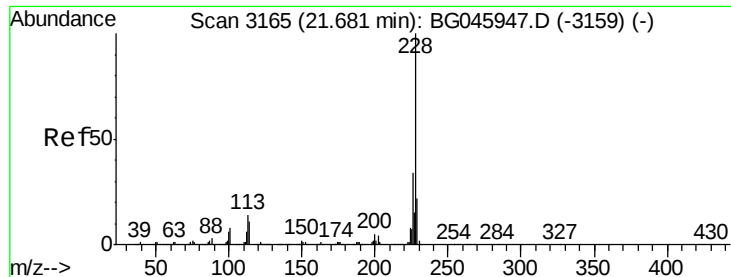
Delta R.T. -0.00 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Tgt Ion:	252	Resp:	63748
Ion Ratio	Lower	Upper	
252	100		
254	68.4	52.9	79.3
126	12.5	10.4	15.6





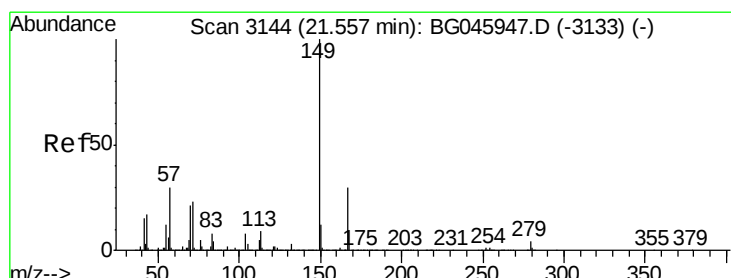
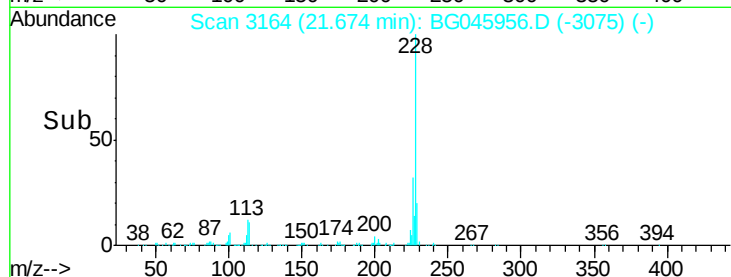
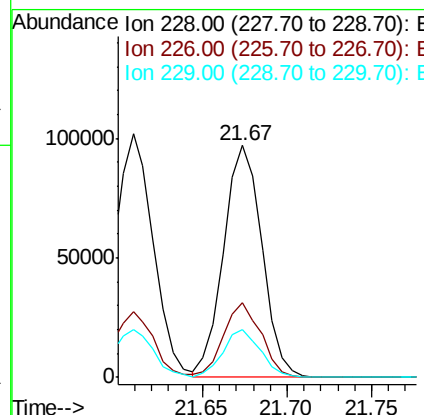
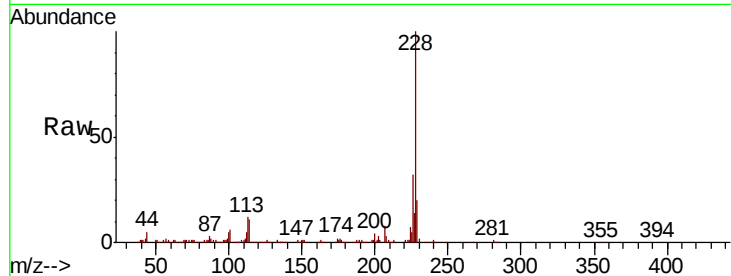
#83
Chrysene
Concen: 3.850 ng
RT: 21.67 min Scan# 3164
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.5	26.7	40.1
229	20.3	17.3	25.9

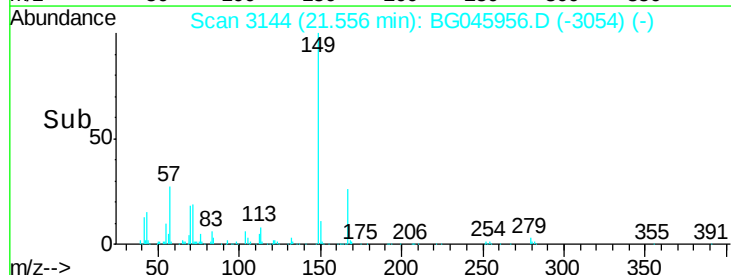
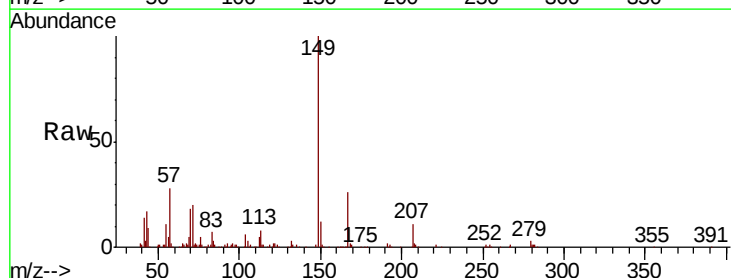
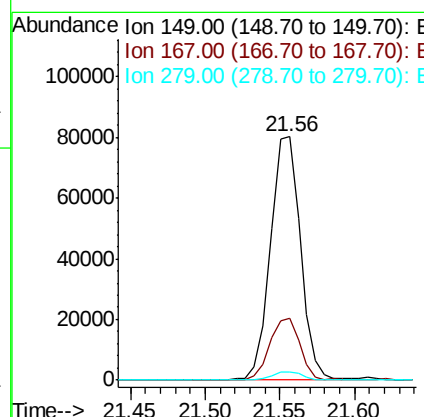
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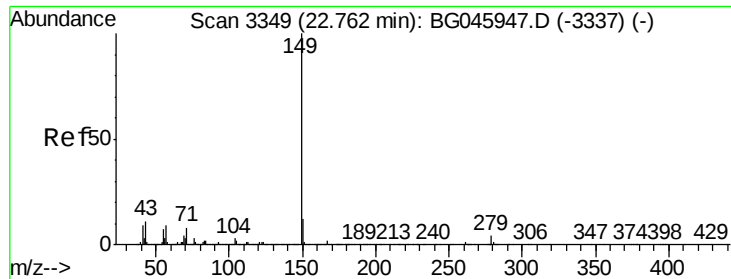
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 3.755 ng
RT: 21.56 min Scan# 3144
Delta R.T. -0.00 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

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





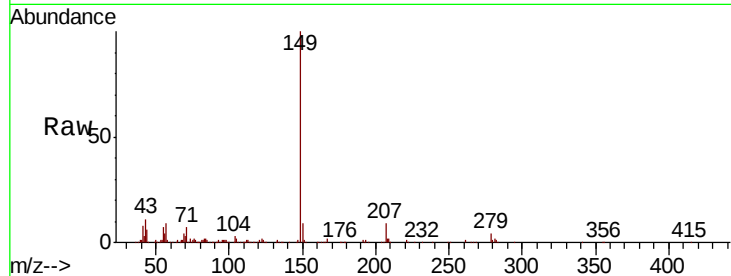
#85
Di-n-octyl phthalate
Concen: 3.648 ng
RT: 22.75 min Scan# 3348
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	1.6	1.4	2.0
43	10.4	8.6	12.8

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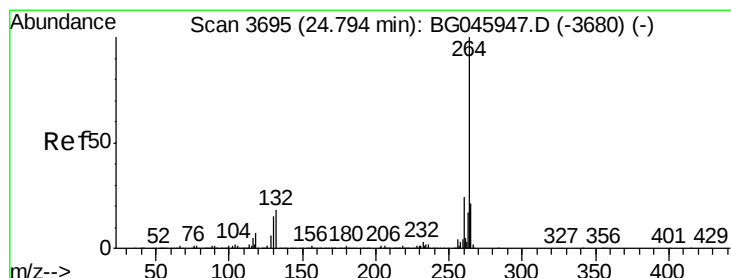
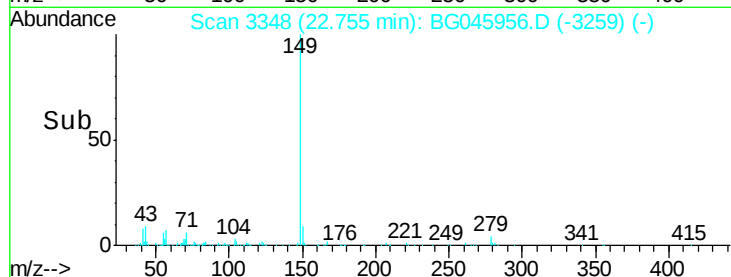
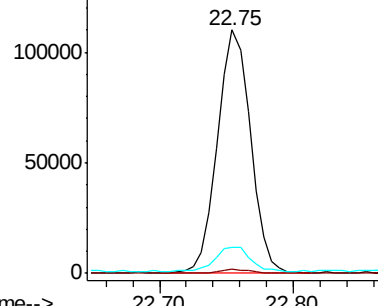


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.79 min Scan# 3694
Delta R.T. -0.01 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

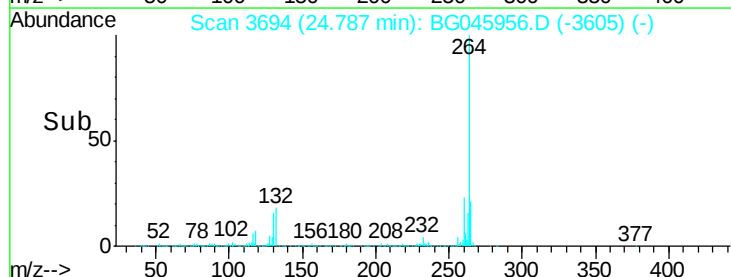
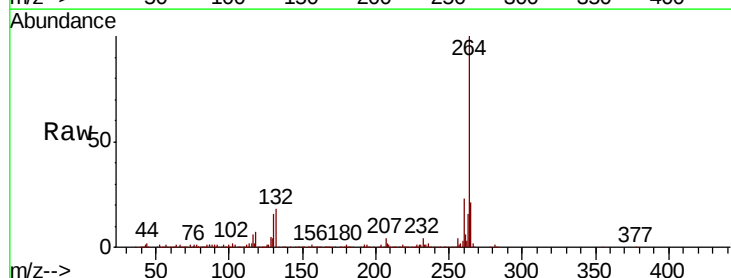
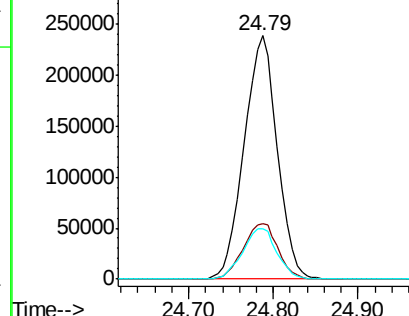
Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	22.8	19.0	28.6
265	20.9	16.9	25.3

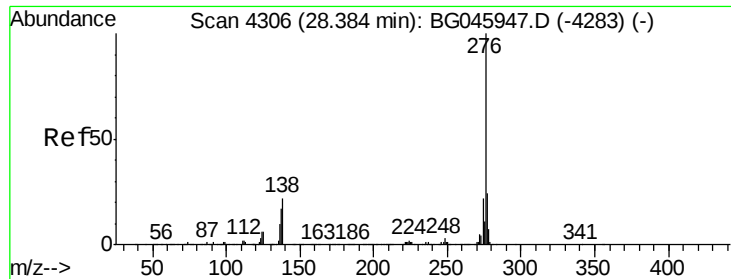
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





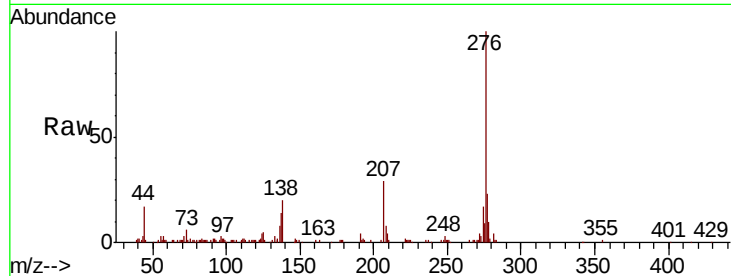
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.844 ng
 RT: 28.36 min Scan# 4302
 Delta R.T. -0.02 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	9.8	16.4	24.6#
277	21.2	20.6	31.0

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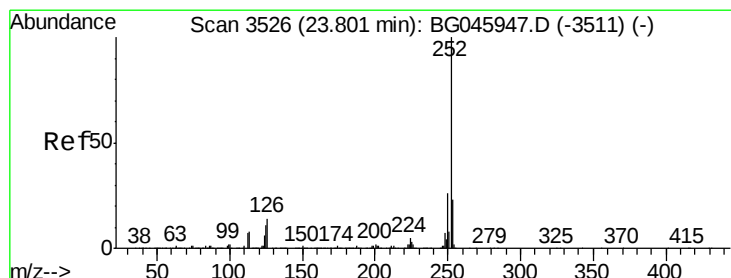
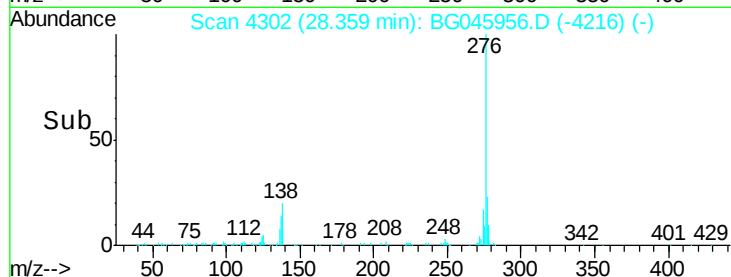
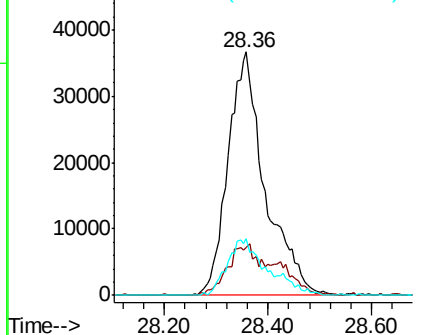


Abundance

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: 3.860 ng
 RT: 23.79 min Scan# 3524
 Delta R.T. -0.01 min
 Lab File: BG045956.D
 Acq: 7 Jul 2020 11:04

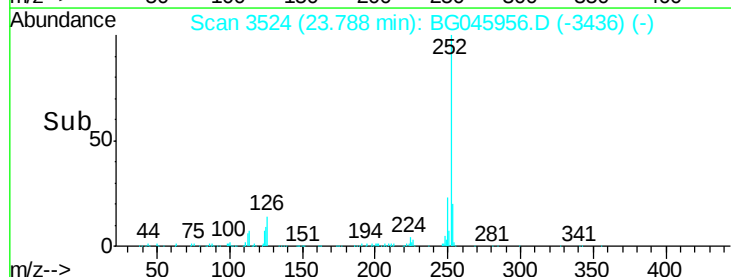
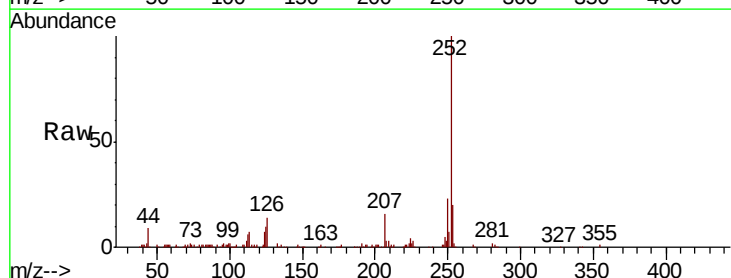
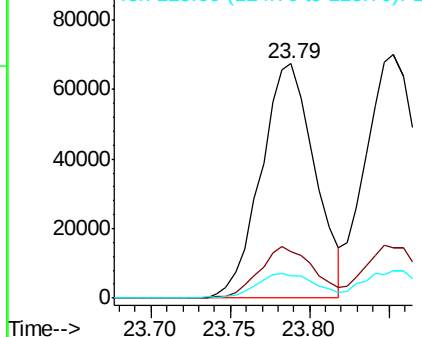
Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.0	18.5	27.7
125	9.7	9.2	13.8

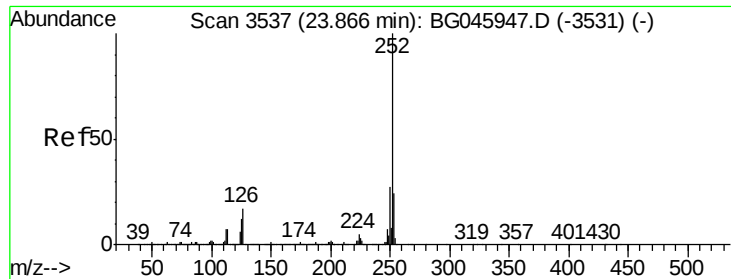
Abundance

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: 4.143 ng

RT: 23.85 min Scan# 3535

Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Instrument :

BNA_G

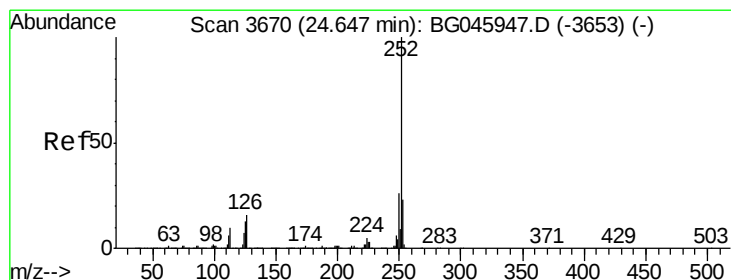
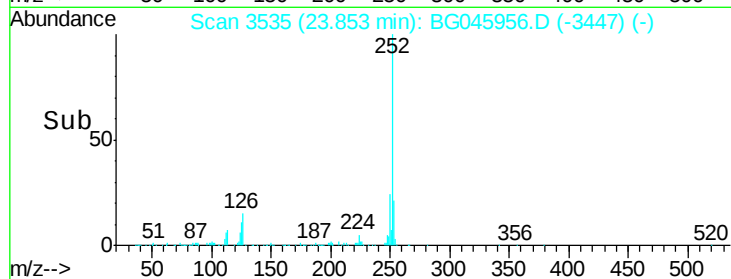
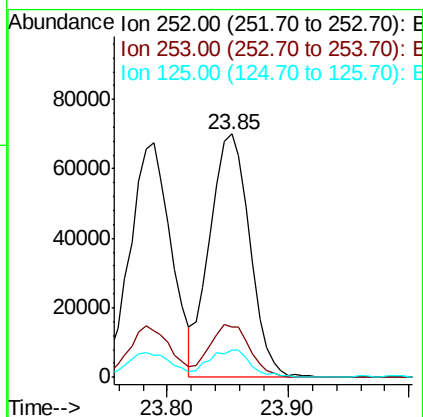
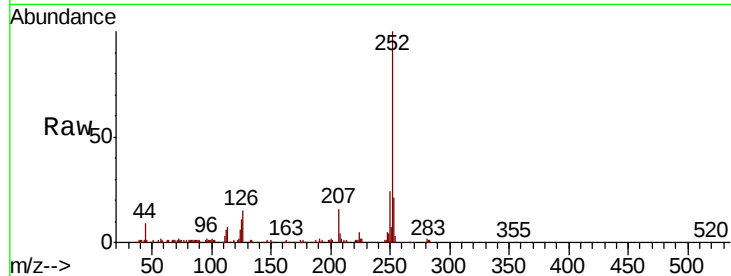
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	252	Resp:	161077
Ion Ratio	Lower	Upper	
252	100		
253	20.9	18.9	28.3
125	11.0	9.6	14.4

Manual Integrations
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mohammad
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#90

Benzo(a)pyrene

Concen: 3.849 ng

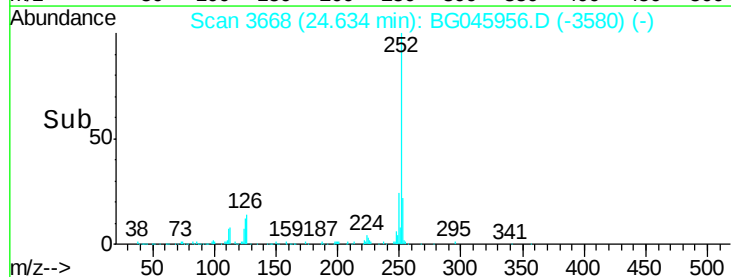
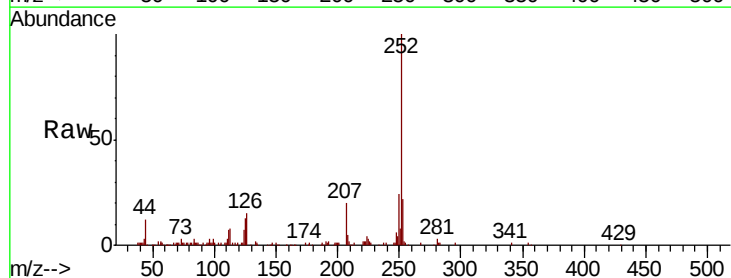
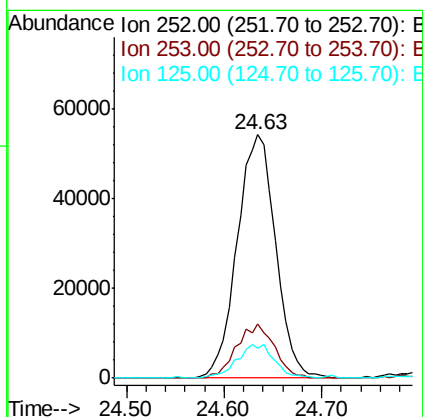
RT: 24.63 min Scan# 3668

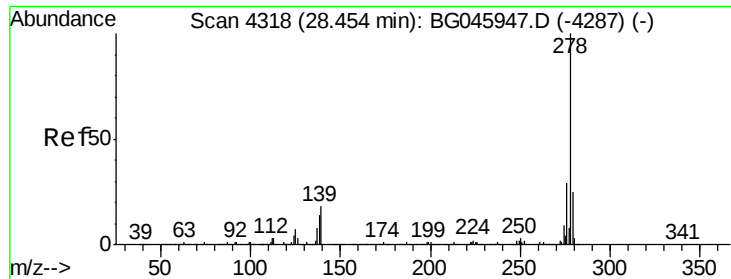
Delta R.T. -0.01 min

Lab File: BG045956.D

Acq: 7 Jul 2020 11:04

Tgt Ion:	252	Resp:	148812
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.6	28.0
125	12.5	10.5	15.7





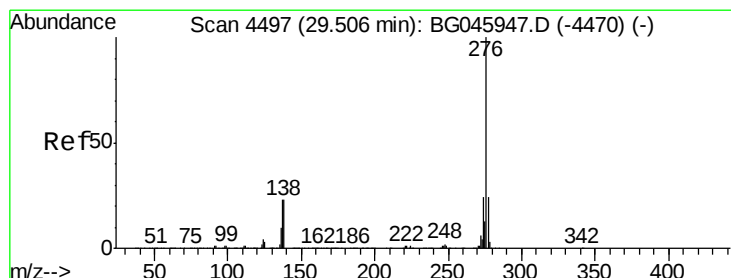
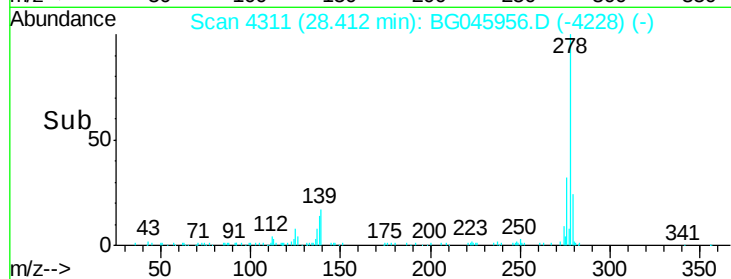
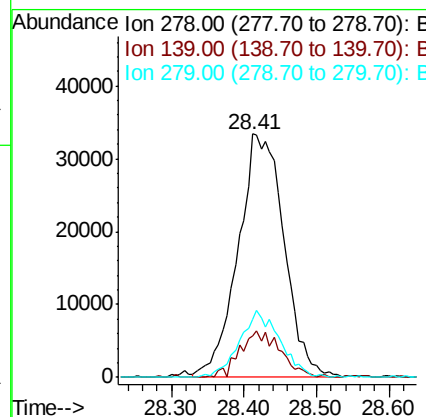
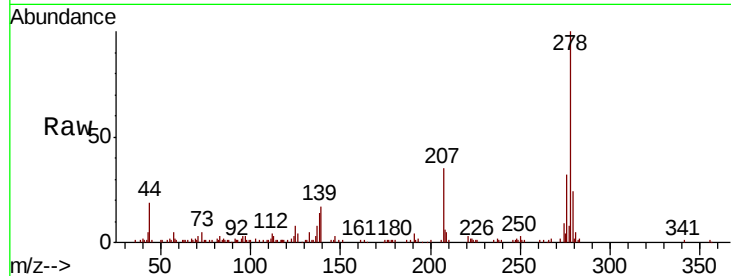
#91
Dibenzo(a,h)anthracene
Concen: 3.851 ng
RT: 28.41 min Scan# 4311
Delta R.T. -0.04 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.8	14.3	21.5
279	23.8	19.8	29.6

Manual Integrations
APPROVED

mohammad
7/9/2020 10:55:12 AM



#92
Benzo(g,h,i)perylene
Concen: 3.930 ng
RT: 29.46 min Scan# 4490
Delta R.T. -0.04 min
Lab File: BG045956.D
Acq: 7 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.4	29.0
138	22.9	18.6	28.0

