

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070720\
 Data File : BG045966.D
 Acq On : 7 Jul 2020 19:21
 Operator : CG/JU
 Sample : L3216-02
 Misc : LOD-SOIL-10PPM
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
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mohammad
 7/9/2020 10:55:38 AM

Quant Time: Jul 08 04:30:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 08 04:08:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	125197	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	511070	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	304531	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	627518	20.00	ng	0.00
76) Chrysene-d12	21.63	240	568932	20.00	ng	0.00
86) Perylene-d12	24.78	264	579742	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	1249708	161.87	ng	0.00
7) Phenol-d6	7.16	99	1763651	158.67	ng	0.00
23) Nitrobenzene-d5	9.16	82	1388859	156.42	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	501950	177.60	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	2553694	130.80	ng	0.00
79) Terphenyl-d14	19.99	244	2968443	116.12	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.52	88	41277	11.589	ng	# 94
3) Pyridine	3.90	79	90051	8.361	ng	96
4) n-Nitrosodimethylamine	3.82	42	40080	11.006	ng	# 91
6) Aniline	7.33	93	144956	10.195	ng	97
8) 2-Chlorophenol	7.58	128	79645	9.583	ng	99
9) Benzaldehyde	7.14	77	96574	13.714	ng	98
10) Phenol	7.19	94	108827	9.761	ng	97
11) bis(2-Chloroethyl)ether	7.43	93	90472	9.813	ng	100
12) 1,3-Dichlorobenzene	7.90	146	94027	9.816	ng	100
13) 1,4-Dichlorobenzene	8.05	146	93877	9.962	ng	98
14) 1,2-Dichlorobenzene	8.36	146	85233	9.398	ng	96
15) Benzyl Alcohol	8.24	79	85767	9.841	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.54	45	115824	9.628	ng	99
17) 2-Methylphenol	8.44	107	74259	8.876	ng	97
18) Hexachloroethane	9.10	117	36618	10.099	ng	88
19) n-Nitroso-di-n-propylamine	8.81	70	80960	10.368	ng	95
20) 3+4-Methylphenols	8.76	107	101401	8.893	ng	97
22) Acetophenone	8.82	105	139021	10.182	ng	# 96
24) Nitrobenzene	9.20	77	106305	10.847	ng	95
25) Isophorone	9.73	82	209031	9.643	ng	98
26) 2-Nitrophenol	9.91	139	31807	9.957	ng	95
27) 2,4-Dimethylphenol	9.97	122	81729	10.593	ng	96
28) bis(2-Chloroethoxy)methane	10.21	93	122141	10.034	ng	# 95
29) 2,4-Dichlorophenol	10.45	162	73334	9.182	ng	97
30) 1,2,4-Trichlorobenzene	10.67	180	81738	9.236	ng	96
31) Naphthalene	10.85	128	271086	9.895	ng	97
32) Benzoic acid	10.04	122	28184m	6.746	ng	
33) 4-Chloroaniline	10.95	127	114718	9.370	ng	98
34) Hexachlorobutadiene	11.15	225	46020	8.906	ng	94
35) Caprolactam	11.70	113	28907	9.532	ng	89
36) 4-Chloro-3-methylphenol	12.07	107	85399	9.388	ng	95
37) 2-Methylnaphthalene	12.46	142	196539	10.091	ng	100
38) 1-Methylnaphthalene	12.67	142	184576	10.042	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.83	216	88914	10.358	ng	99

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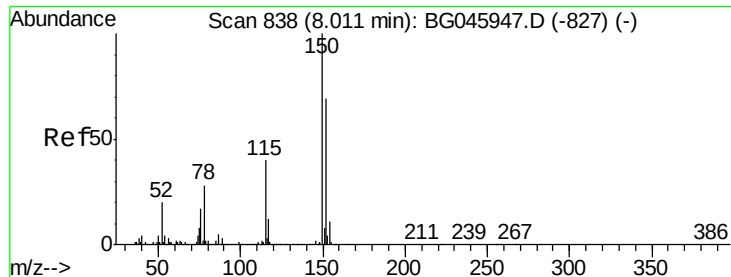
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.82	237	51151	10.042	ng	98
43) 2,4,6-Trichlorophenol	13.06	196	55235	9.514	ng	97
44) 2,4,5-Trichlorophenol	13.13	196	58472	8.908	ng	97
46) 1,1'-Biphenyl	13.47	154	252588	11.026	ng	94
47) 2-Chloronaphthalene	13.51	162	175894	9.731	ng	98
48) 2-Nitroaniline	13.69	65	47172	11.151	ng	97
49) Acenaphthylene	14.35	152	300903	10.318	ng	98
50) Dimethylphthalate	14.08	163	220874	9.664	ng	98
51) 2,6-Dinitrotoluene	14.19	165	37165	10.480	ng	97
52) Acenaphthene	14.69	154	180655	9.821	ng	95
53) 3-Nitroaniline	14.52	138	41662	9.480	ng	97
54) 2,4-Dinitrophenol	14.72	184	9198	7.353	ng	# 61
55) Dibenzofuran	15.02	168	272660	10.112	ng	98
56) 4-Nitrophenol	14.81	139	34420	9.244	ng	89
57) 2,4-Dinitrotoluene	14.98	165	44296	10.109	ng	# 87
58) Fluorene	15.68	166	226295	10.230	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.25	232	49461	9.759	ng	# 94
60) Diethylphthalate	15.45	149	230211	9.605	ng	96
61) 4-Chlorophenyl-phenylether	15.67	204	104020	9.452	ng	99
62) 4-Nitroaniline	15.68	138	46672	9.881	ng	92
63) Azobenzene	15.96	77	261494	10.165	ng	96
65) 4,6-Dinitro-2-methylphenol	15.74	198	15146	8.241	ng	96
66) n-Nitrosodiphenylamine	15.88	169	194589	10.007	ng	99
67) 4-Bromophenyl-phenylether	16.56	248	62260	8.884	ng	99
68) Hexachlorobenzene	16.68	284	67511	9.599	ng	96
69) Atrazine	16.83	200	65273	11.353	ng	95
70) Pentachlorophenol	17.02	266	33519	8.572	ng	96
71) Phenanthrene	17.42	178	342697	10.330	ng	96
72) Anthracene	17.50	178	357271	10.612	ng	95
73) Carbazole	17.77	167	326073	9.662	ng	96
74) Di-n-butylphthalate	18.35	149	405079	9.933	ng	96
75) Fluoranthene	19.42	202	397238	10.358	ng	96
77) Benzdine	19.59	184	209606	12.885	ng	99
78) Pyrene	19.78	202	410842	10.579	ng	92
80) Butylbenzylphthalate	20.68	149	167996	9.154	ng	99
81) Benzo(a)anthracene	21.61	228	376069	10.053	ng	93
82) 3,3'-Dichlorobenzidine	21.52	252	143538	10.384	ng	94
83) Chrysene	21.67	228	349706	9.813	ng	94
84) Bis(2-ethylhexyl)phthalate	21.55	149	254737	9.562	ng	# 94
85) Di-n-octyl phthalate	22.75	149	423588	9.163	ng	98
87) Indeno(1,2,3-cd)pyrene	28.36	276	413040	9.739	ng	98
88) Benzo(b)fluoranthene	23.79	252	366195	9.950	ng	98
89) Benzo(k)fluoranthene	23.85	252	366708	10.538	ng	98
90) Benzo(a)pyrene	24.63	252	336397	9.721	ng	96
91) Dibenzo(a,h)anthracene	28.43	278	343938	10.054	ng	98
92) Benzo(g,h,i)perylene	29.46	276	344109	9.996	ng	98

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



#1

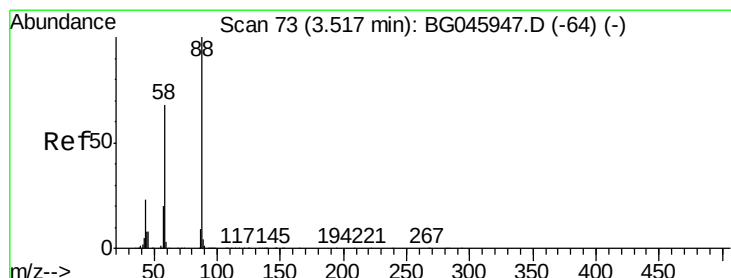
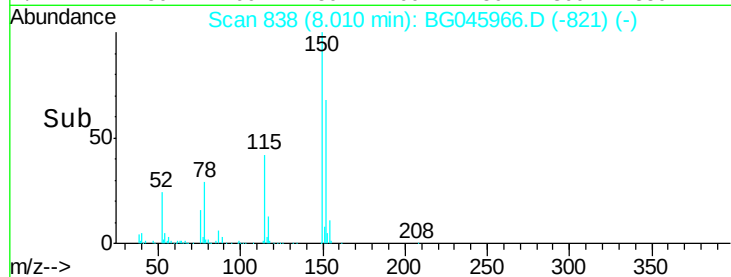
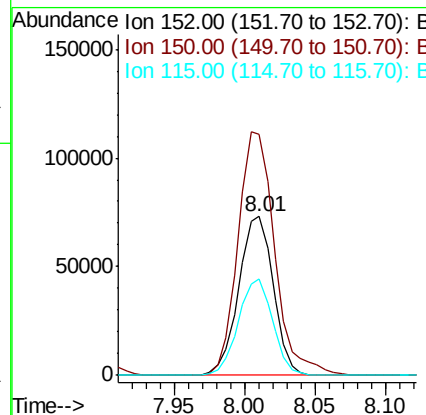
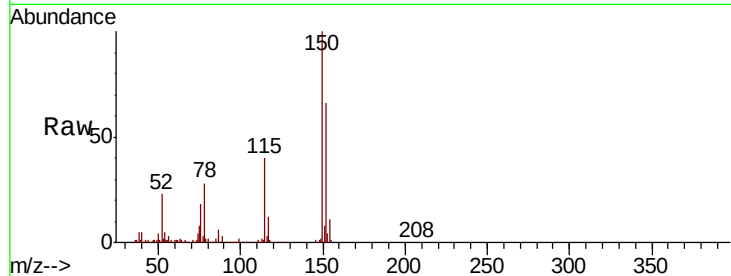
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.00 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	116.7	175.1
115	61.1	47.4	71.0

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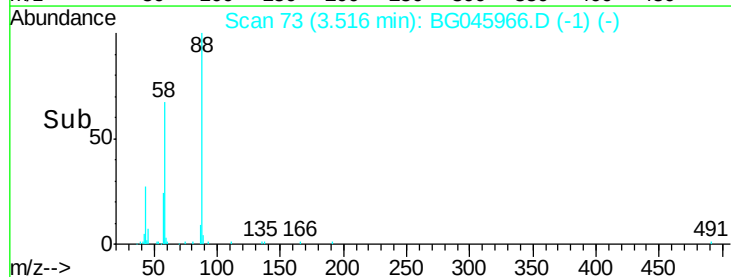
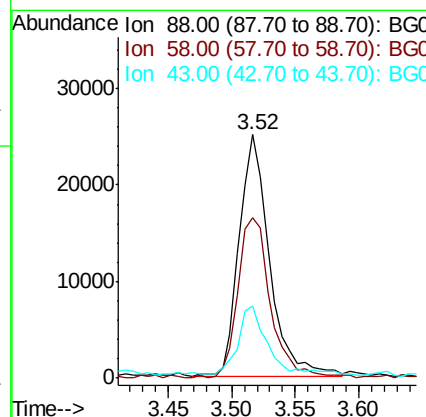
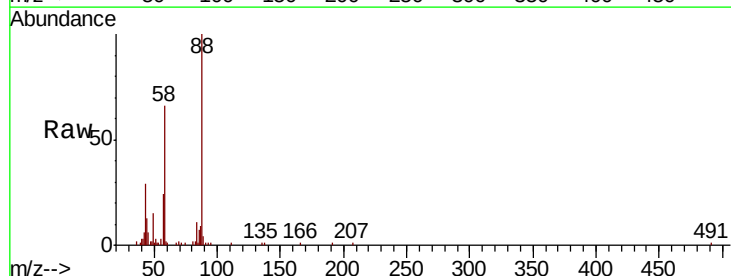
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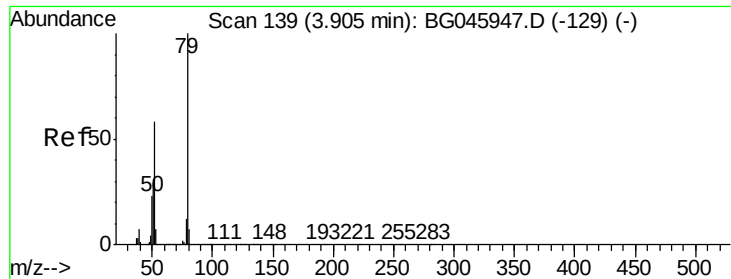


#2

1,4-Dioxane
Concen: 11.589 ng
RT: 3.52 min Scan# 73
Delta R.T. -0.00 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
88	100		
58	72.1	55.2	82.8
43	29.6	19.4	29.0





#3

Pvridine

Concen: 8.361 ng

RT: 3.90 min Scan# 139

Delta R.T. 0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

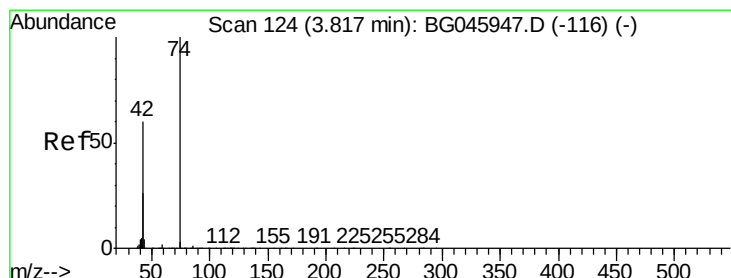
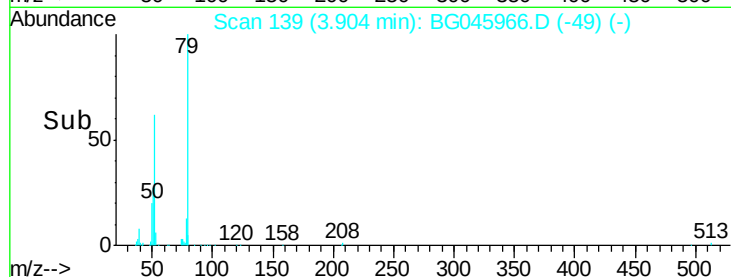
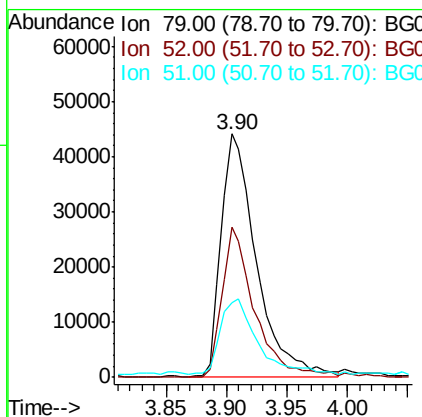
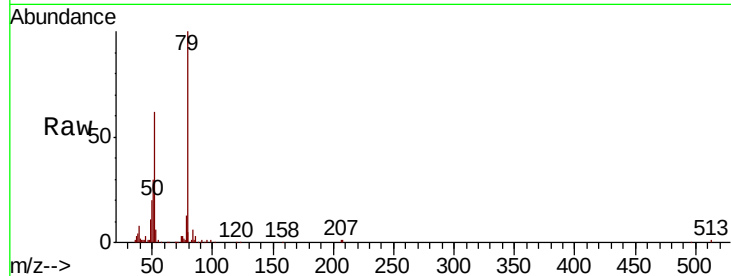
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	79	Resp:	90051
Ion Ratio	Lower	Upper	
79	100		
52	61.6	46.5	69.7
51	30.5	23.5	35.3

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 11.006 ng

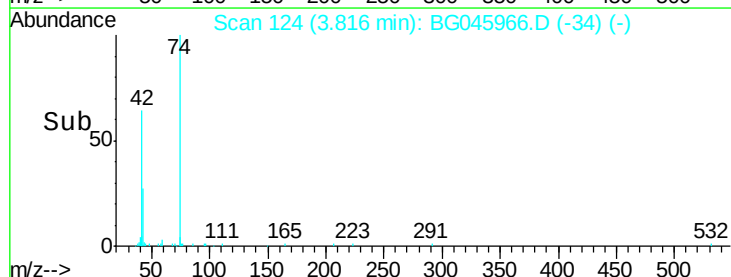
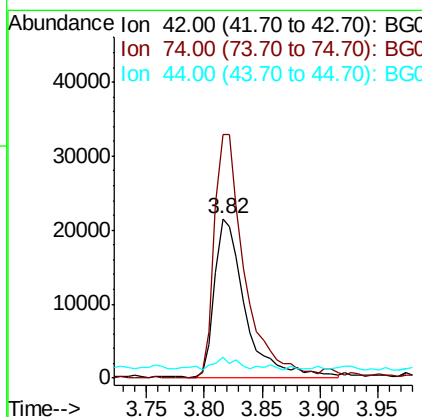
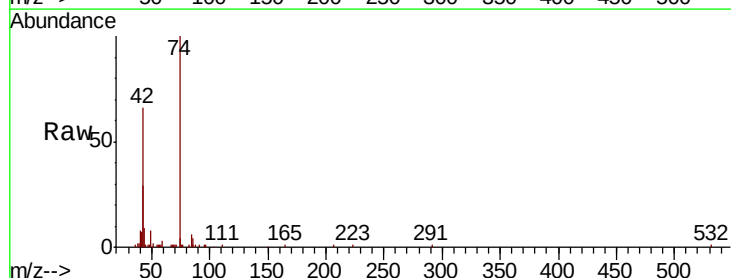
RT: 3.82 min Scan# 124

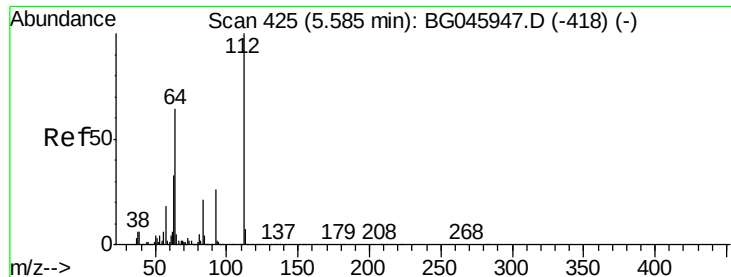
Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Tgt Ion:	42	Resp:	40080
Ion Ratio	Lower	Upper	
42	100		
74	152.6	131.9	197.9
44	13.4	7.7	11.5





#5

2-Fluorophenol

Concen: 161.874 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:112 Resp: 1249708

Ion Ratio Lower Upper

112 100

64 65.2 51.4 77.2

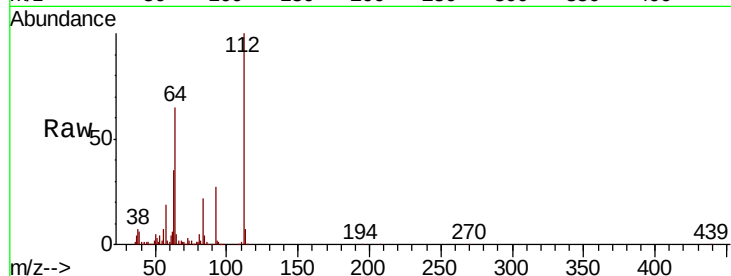
63 35.4 26.6 40.0

Manual Integrations

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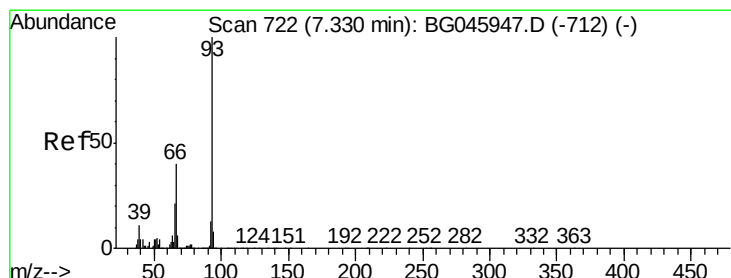
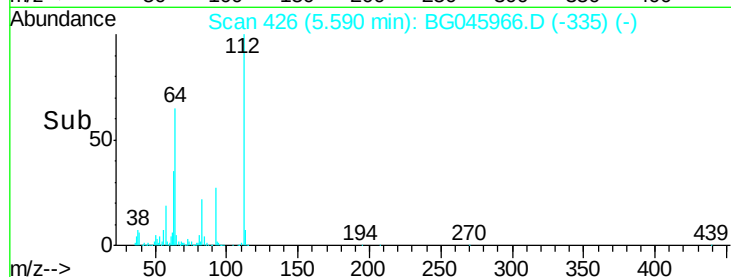
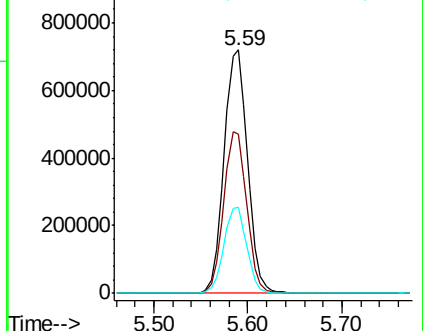
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Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 10.195 ng

RT: 7.33 min Scan# 722

Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

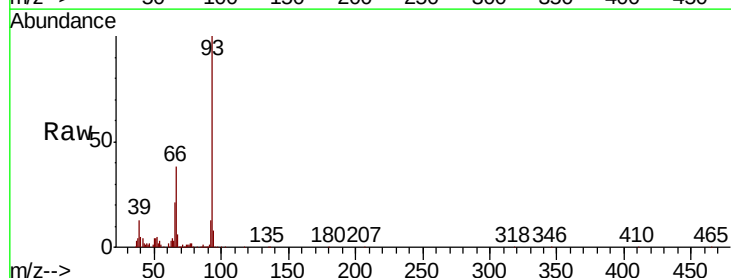
Tgt Ion: 93 Resp: 144956

Ion Ratio Lower Upper

93 100

66 37.7 32.3 48.5

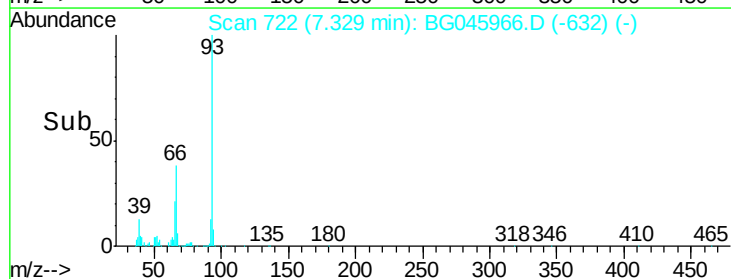
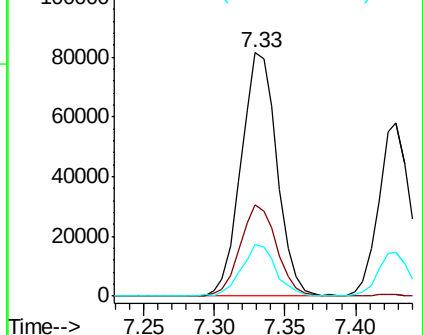
65 21.2 16.6 25.0

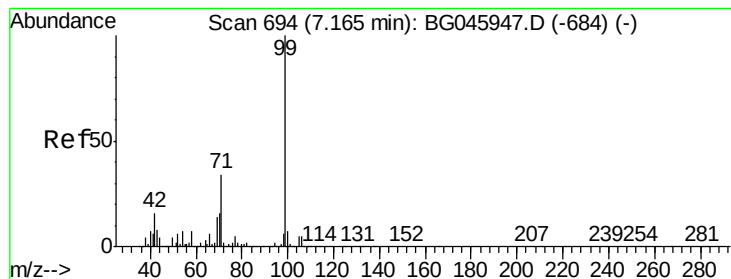


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 158.674 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 99 Resp: 1763651

Ion Ratio Lower Upper

99 100

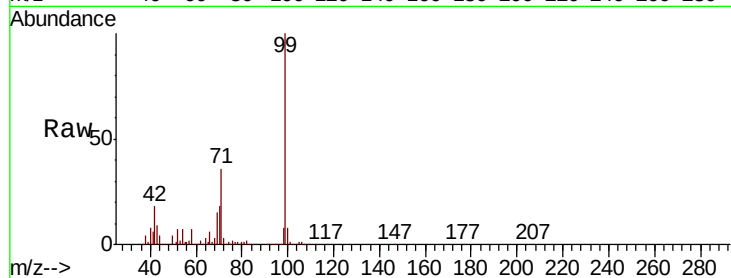
42 18.0 13.0 19.4

71 36.3 27.5 41.3

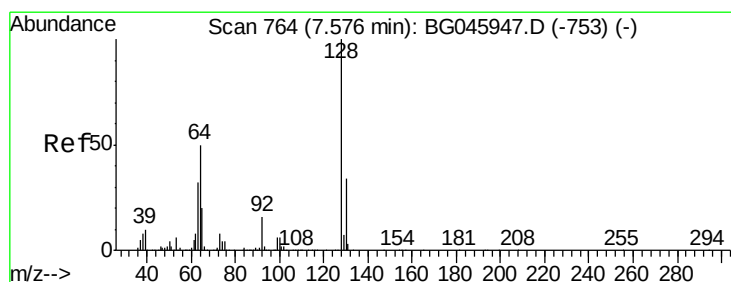
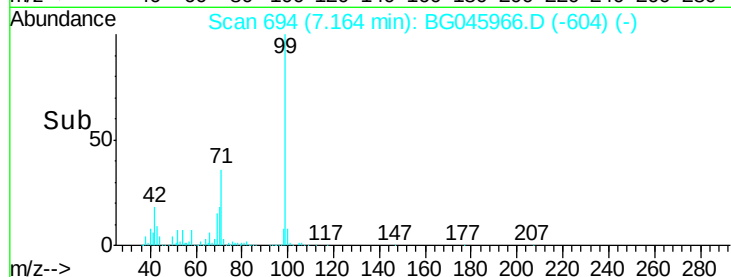
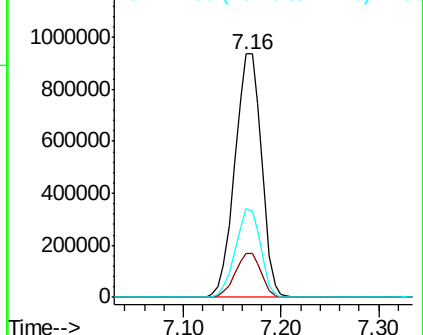
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Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 9.583 ng

RT: 7.58 min Scan# 764

Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

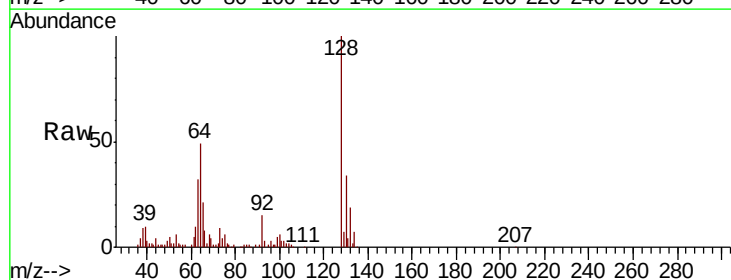
Tgt Ion:128 Resp: 79645

Ion Ratio Lower Upper

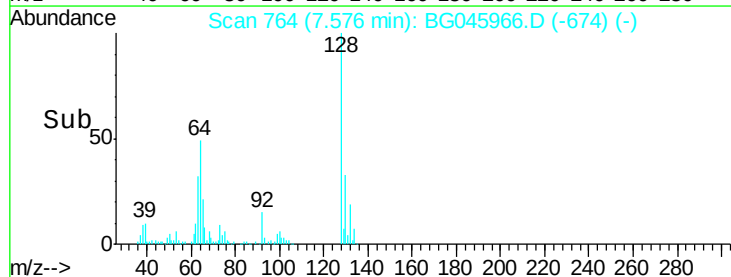
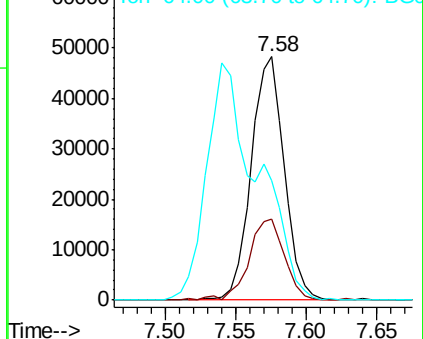
128 100

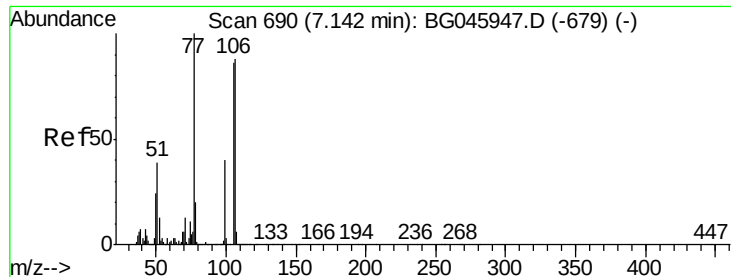
130 33.5 13.6 53.6

64 49.3 30.6 70.6



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





#9

Benzaldehyde

Concen: 13.714 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

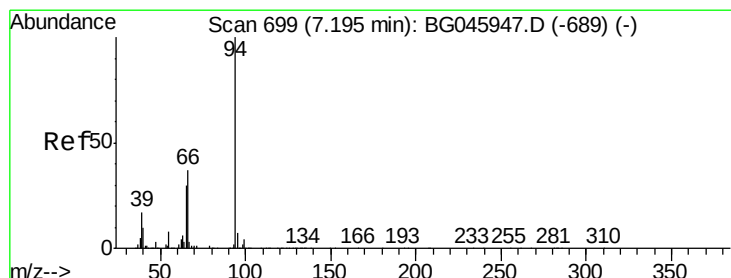
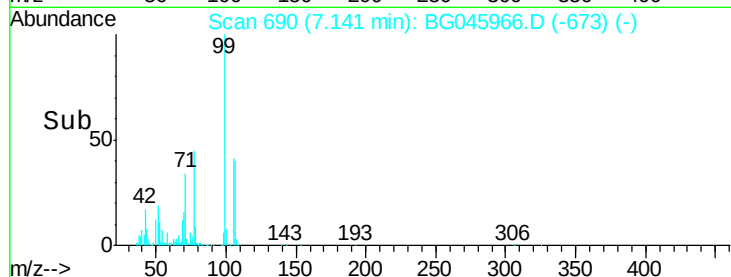
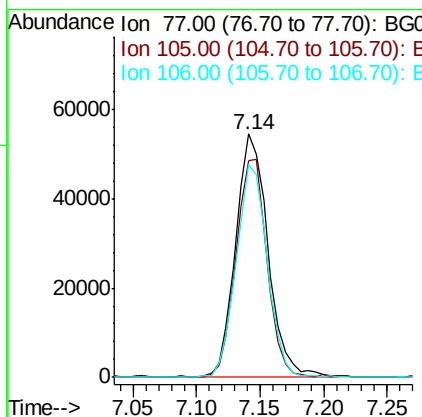
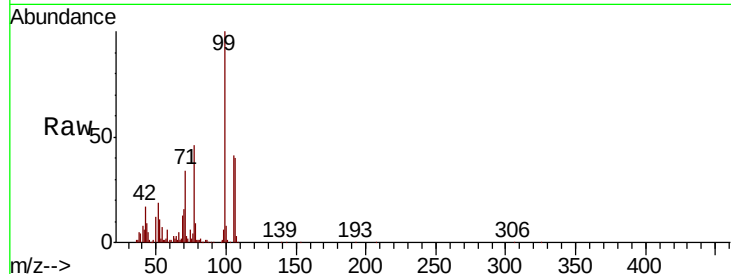
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	77	Resp:	96574
Ion	Ratio	Lower	Upper
77	100		
105	89.1	66.0	106.0
106	87.6	67.7	107.7

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#10

Phenol

Concen: 9.761 ng

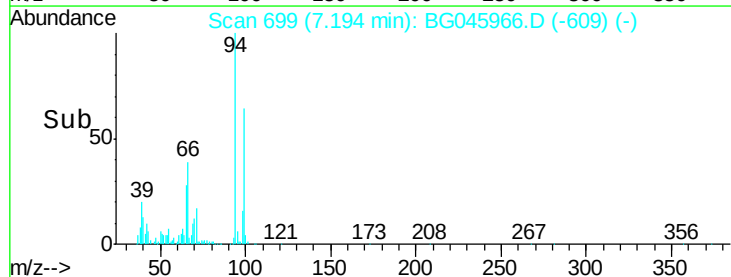
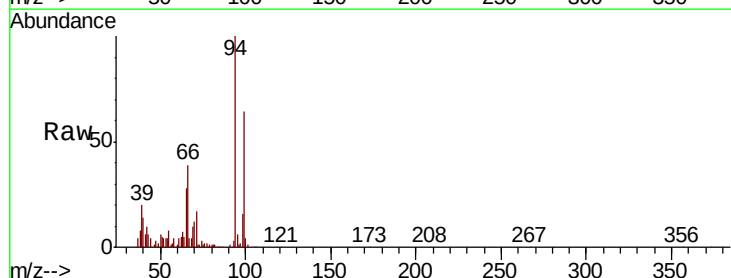
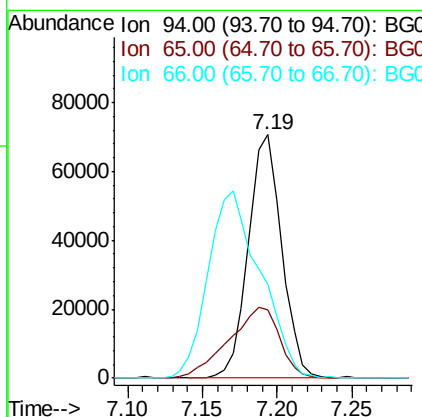
RT: 7.19 min Scan# 699

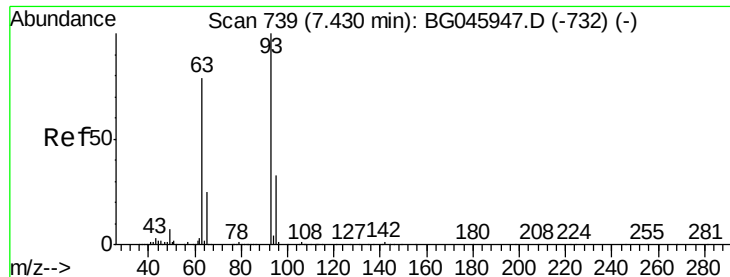
Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Tgt Ion:	94	Resp:	108827
Ion	Ratio	Lower	Upper
94	100		
65	28.3	10.6	50.6
66	38.7	17.1	57.1





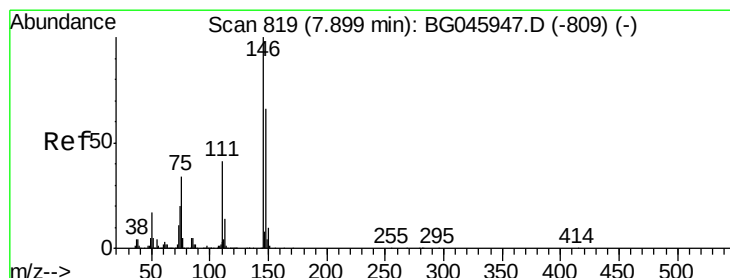
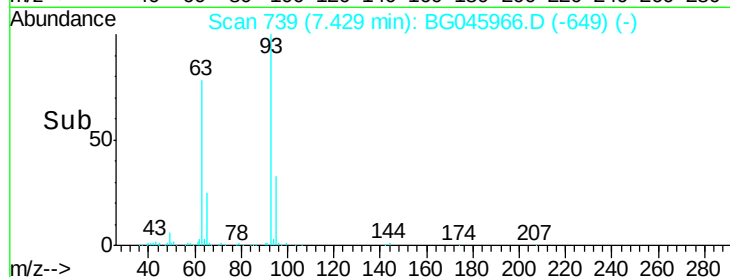
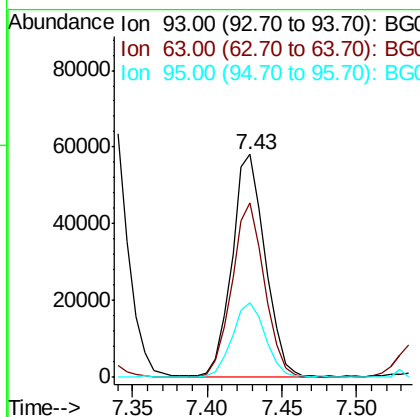
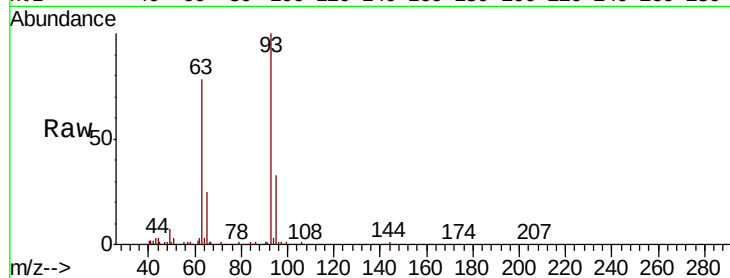
#11
bis(2-Chloroethyl)ether
Concen: 9.813 ng
RT: 7.43 min Scan# 739
Delta R.T. -0.00 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

Tot Ion:	93	Resp:	90472
Ion	Ratio	Lower	Upper
93	100		
63	78.1	58.6	98.6
95	33.5	13.3	53.3

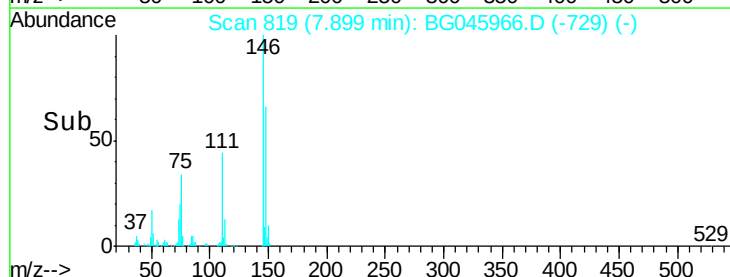
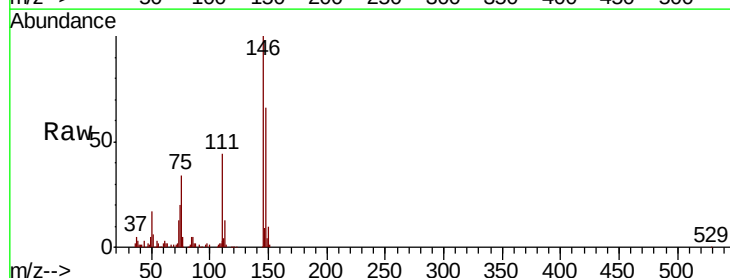
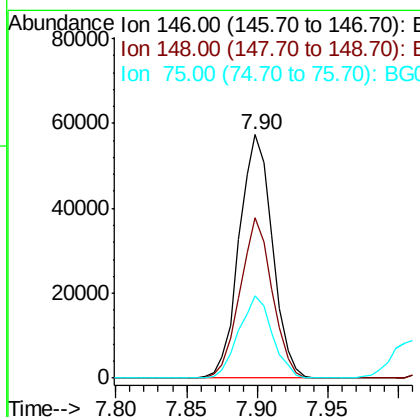
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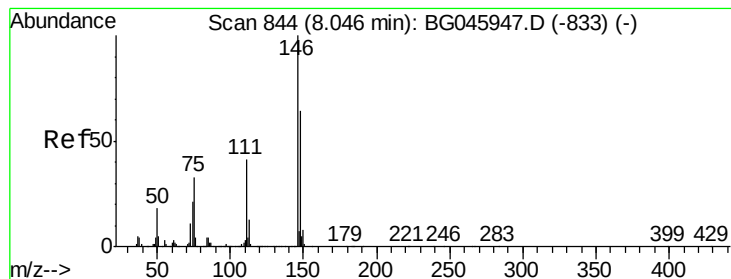
mohammad
7/9/2020 10:55:38 AM



#12
1,3-Dichlorobenzene
Concen: 9.816 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion:	146	Resp:	94027
Ion	Ratio	Lower	Upper
146	100		
148	66.0	52.8	79.2
75	33.6	27.2	40.8





#13

1,4-Dichlorobenzene

Concen: 9.962 ng

RT: 8.05 min Scan# 844

Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

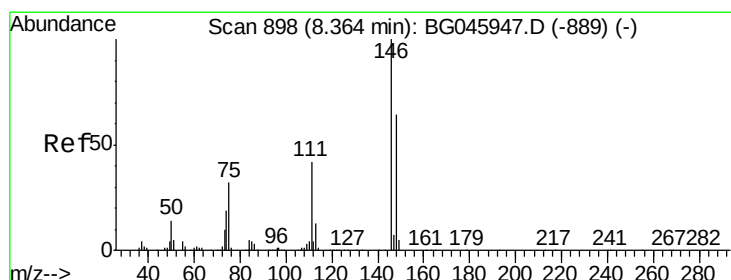
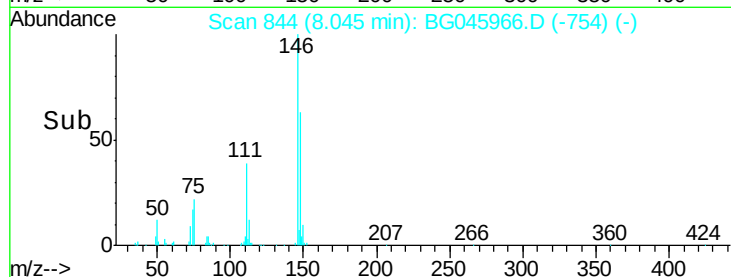
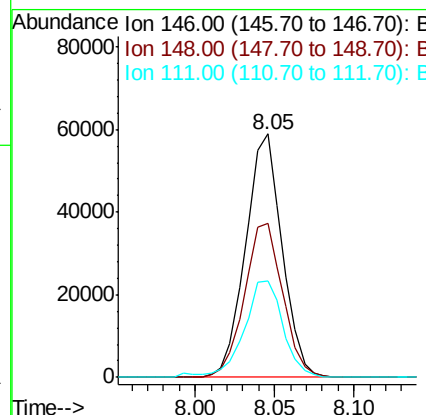
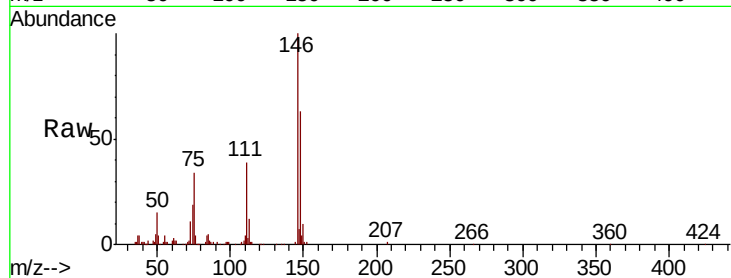
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	146	Resp:	93877
Ion Ratio	Lower	Upper	
146	100		
148	63.2	51.7	77.5
111	39.4	33.3	49.9

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#14

1,2-Dichlorobenzene

Concen: 9.398 ng

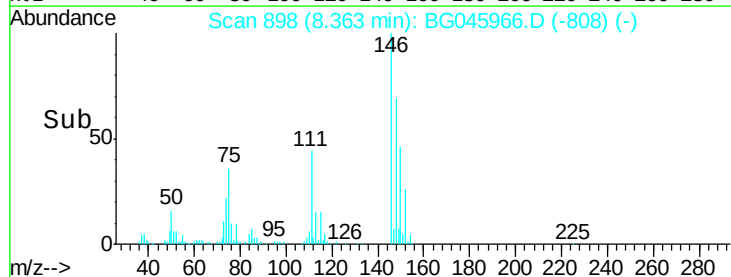
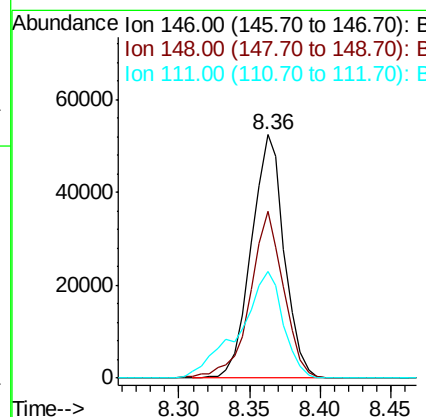
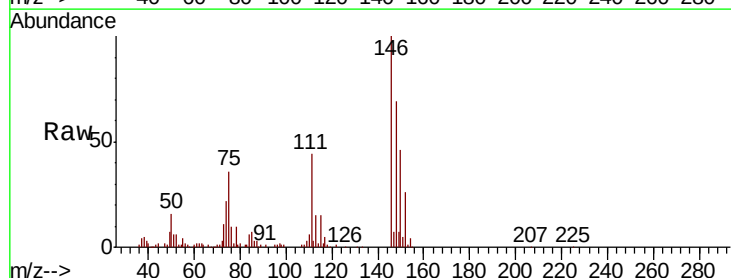
RT: 8.36 min Scan# 898

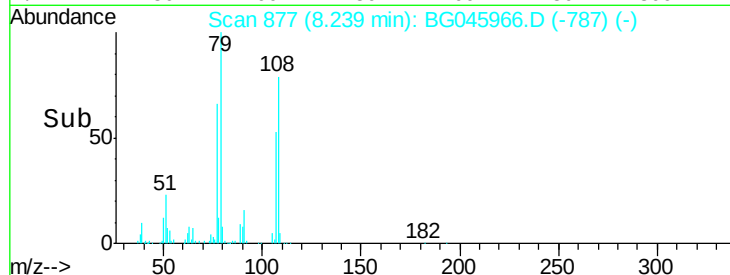
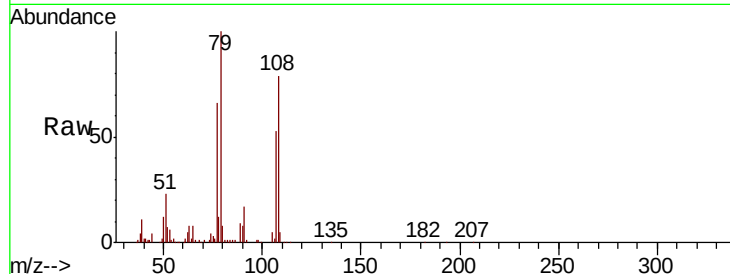
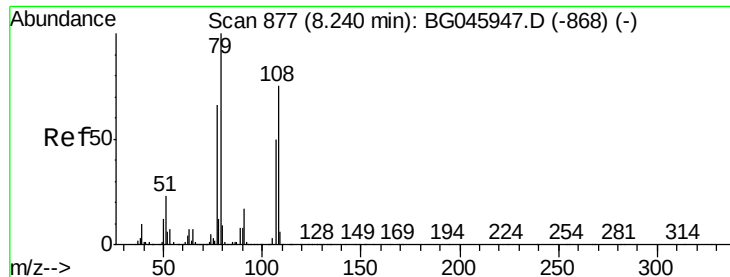
Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Tgt Ion:	146	Resp:	85233
Ion Ratio	Lower	Upper	
146	100		
148	68.8	51.6	77.4
111	43.9	34.0	51.0





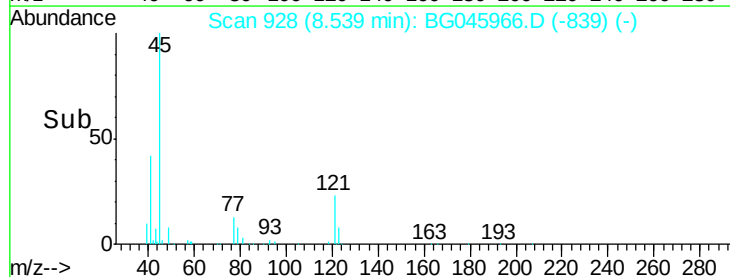
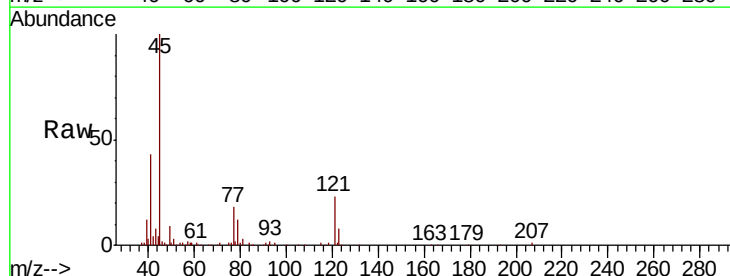
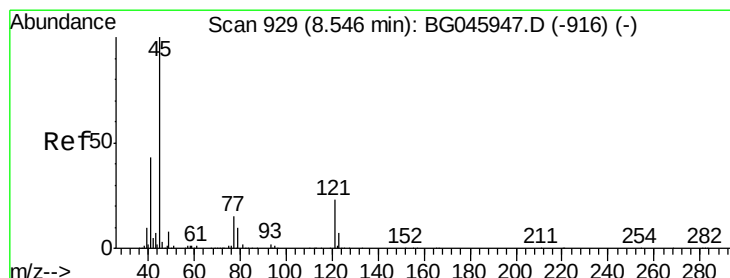
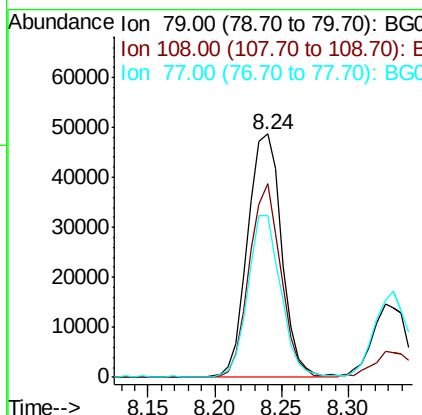
#15
Benzyl Alcohol
Concen: 9.841 ng
RT: 8.24 min Scan# 877
Delta R.T. -0.00 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	79.5	60.2	90.4	
77	66.2	52.9	79.3	

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

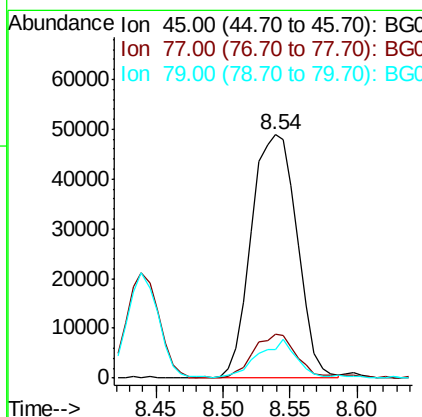
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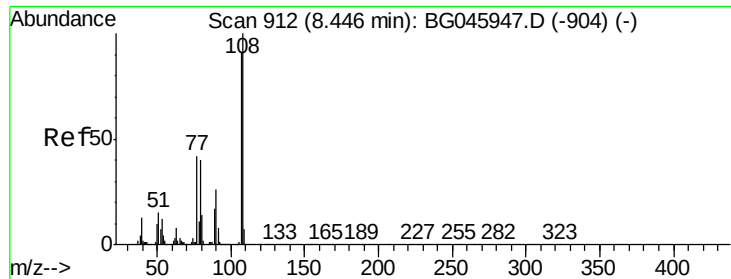
mohammad
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.628 ng
RT: 8.54 min Scan# 928
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	17.9	0.0	37.6	
79	11.6	0.0	32.6	





#17

2-Methylphenol

Concen: 8.876 ng

RT: 8.44 min Scan# 911

Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

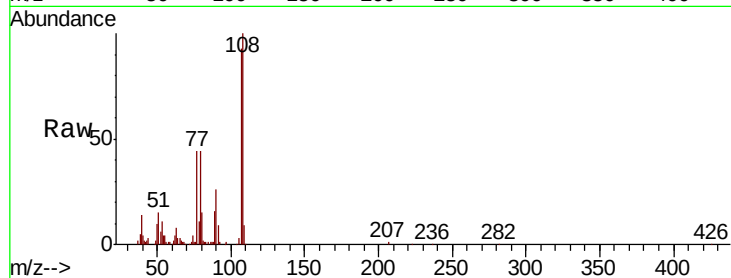
ClientSampleId :

LOQ-SOIL-02-QT3-2020

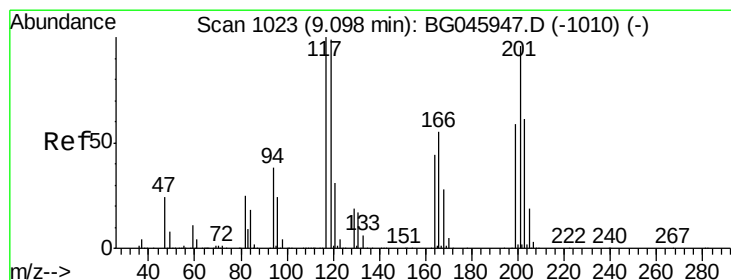
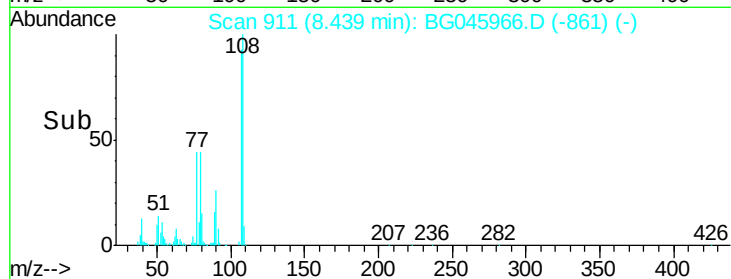
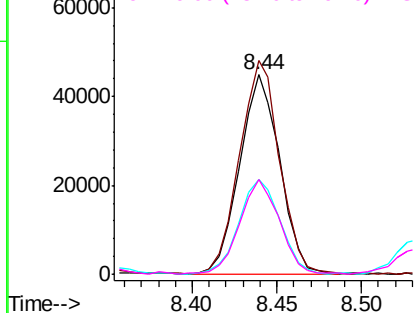
Tot Ion	Ratio	Lower	Upper
107	100		
108	107.0	88.2	132.4
77	47.3	37.0	55.4
79	47.2	35.4	53.0

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Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 10.099 ng

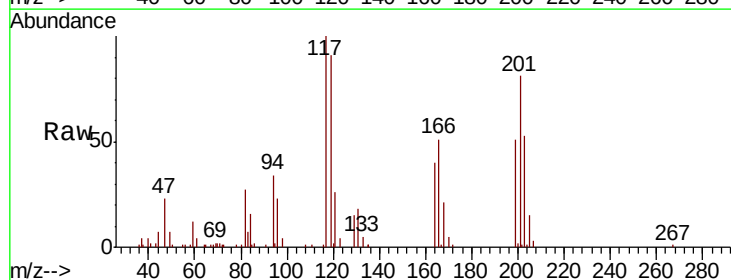
RT: 9.10 min Scan# 1023

Delta R.T. -0.00 min

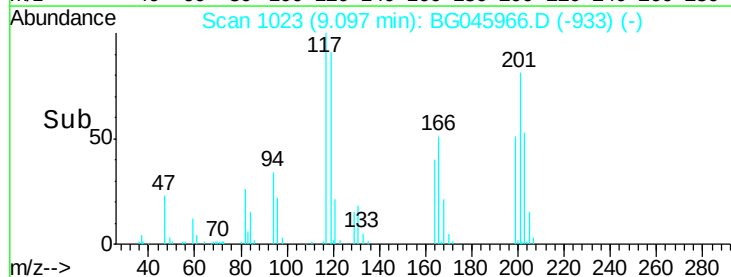
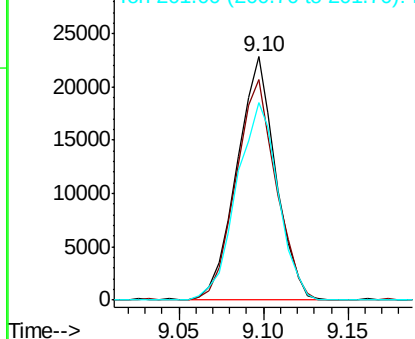
Lab File: BG045966.D

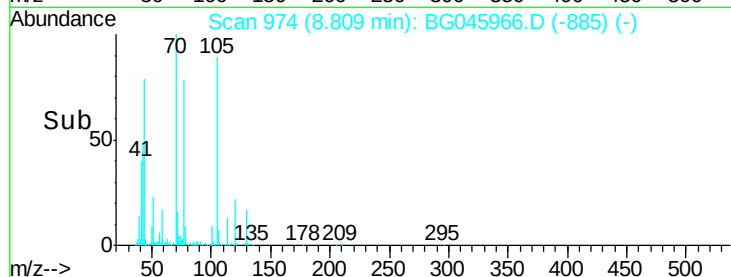
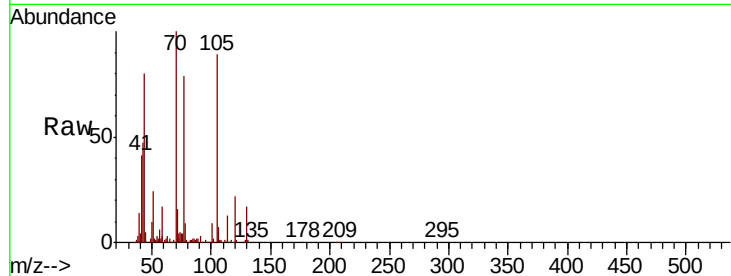
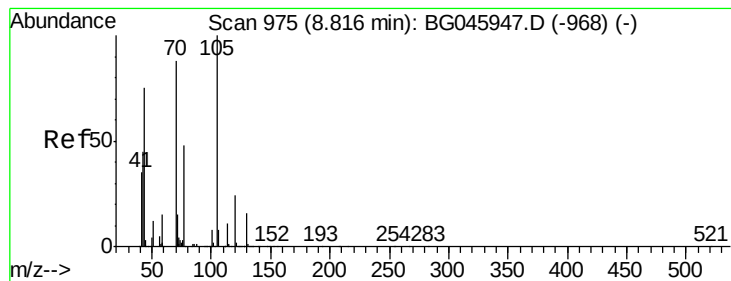
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.5	79.5	119.3
201	81.0	77.0	115.4



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





#19

n-Nitroso-di-n-propylamine

Concen: 10.368 ng

RT: 8.81 min Scan# 974

Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

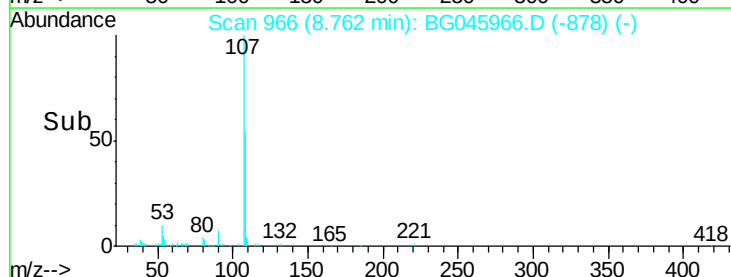
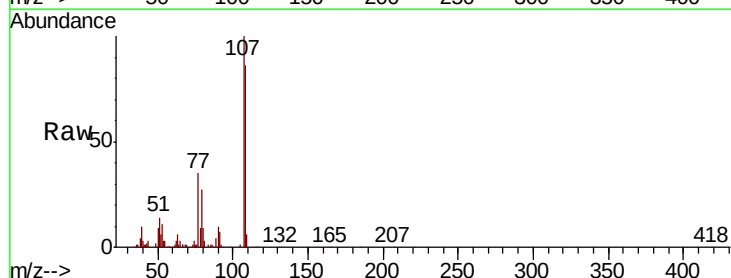
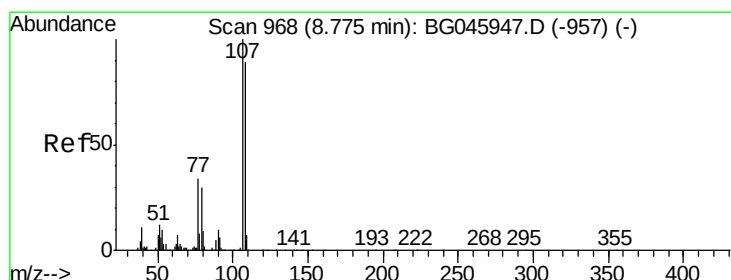
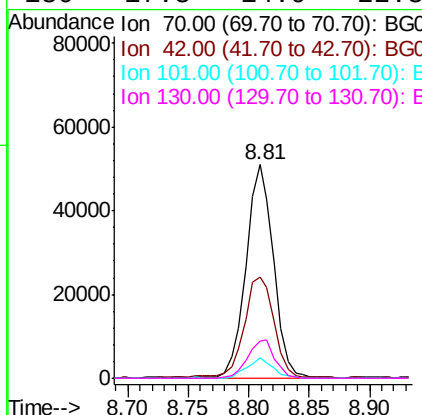
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
70	100		
42	47.2	41.4	62.0
101	9.4	7.1	10.7
130	17.3	14.9	22.3

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#20

3+4-Methylphenols

Concen: 8.893 ng

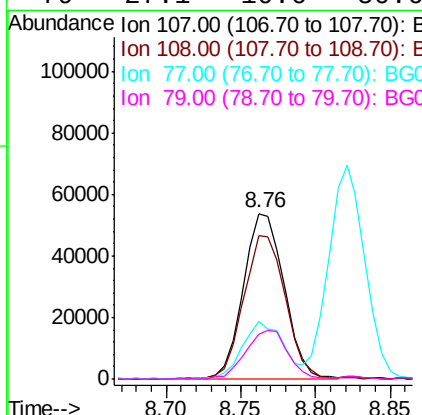
RT: 8.76 min Scan# 966

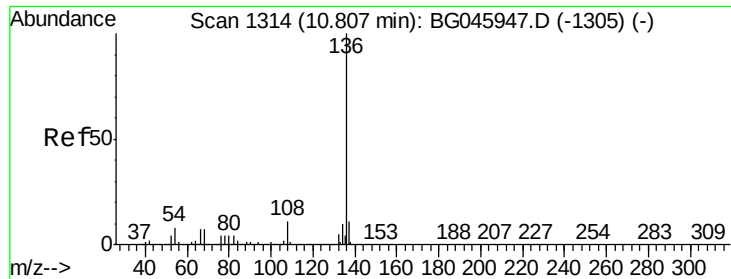
Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.3	68.7	108.7
77	35.0	14.6	54.6
79	27.1	10.6	50.6





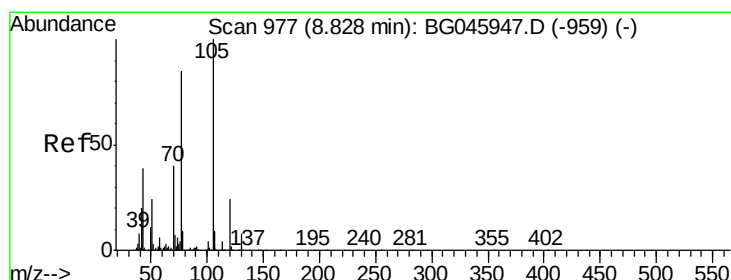
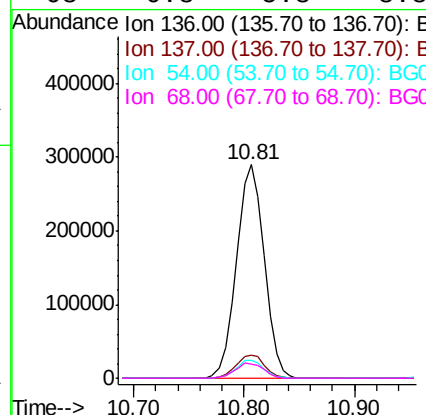
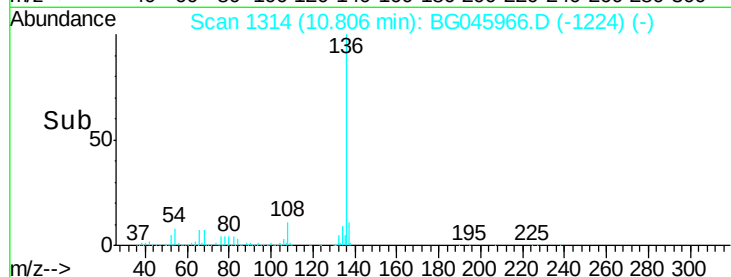
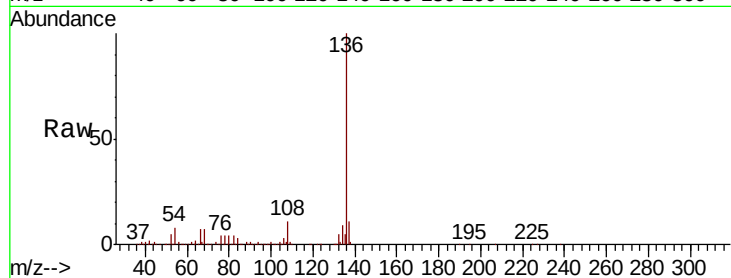
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100	511070		
137	10.7		9.2	13.8
54	8.4		6.2	9.4
68	6.8		5.8	8.8

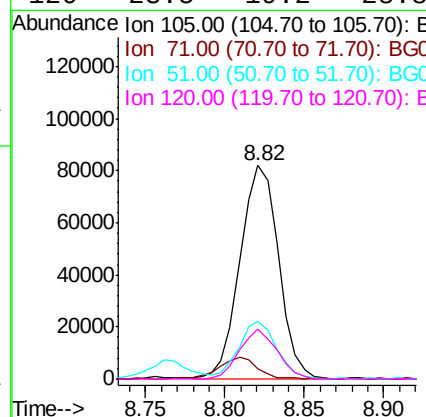
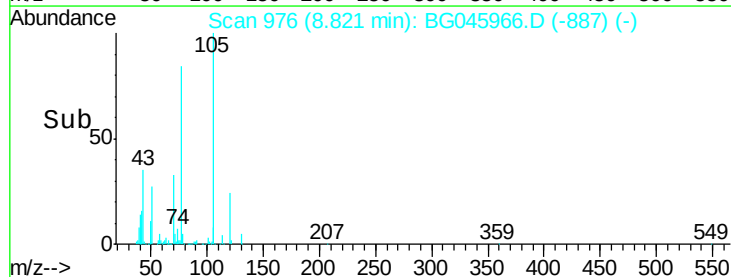
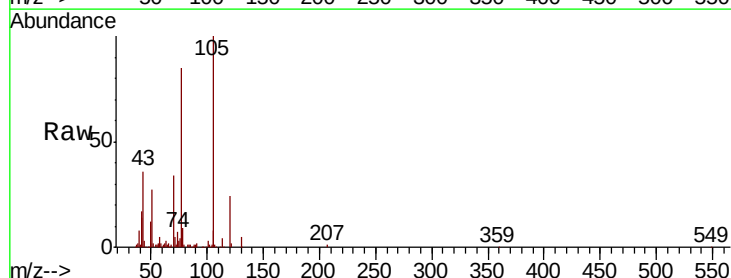
Manual Integrations
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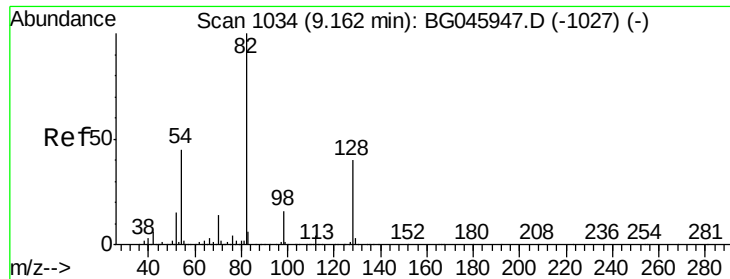
mohammad
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#22
Acetophenone
Concen: 10.182 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	139021		
71	5.0		6.2	9.2#
51	27.0		19.7	29.5
120	23.5		19.2	28.8





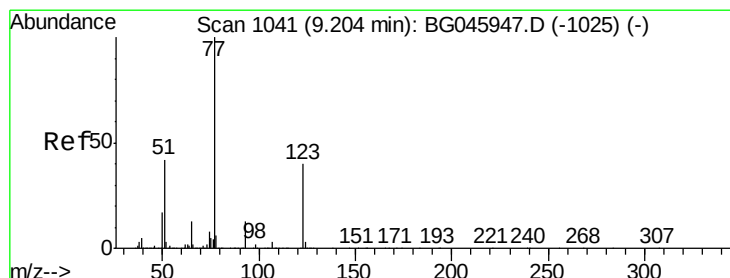
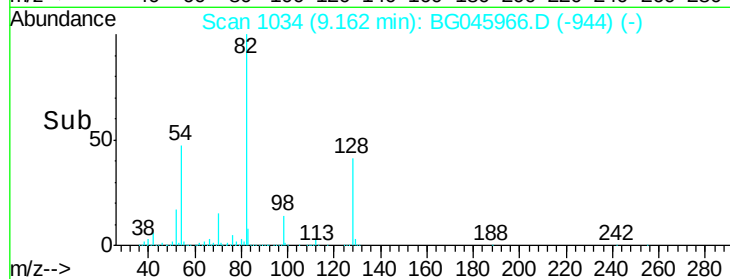
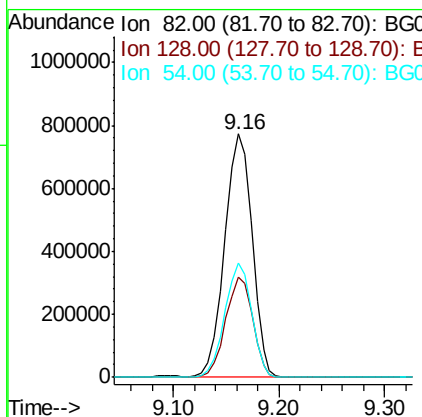
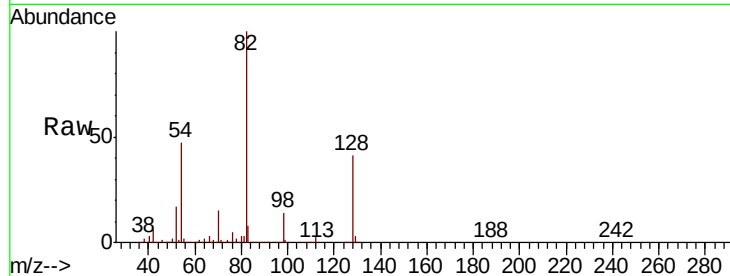
#23
 Nitrobenzene-d5
 Concen: 156.417 ng
 RT: 9.16 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

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

Tot Ion	82	Resp	1388859
Ion Ratio	100	Lower	Upper
82	100		
128	41.0	32.2	48.4
54	47.2	35.8	53.6

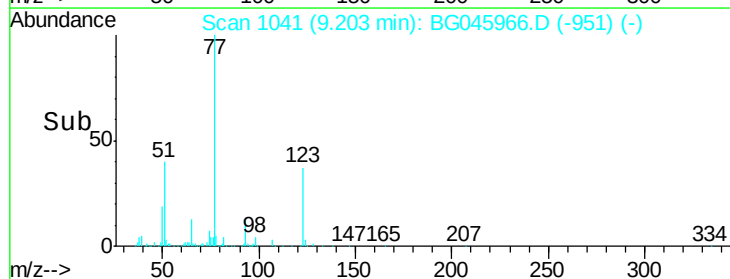
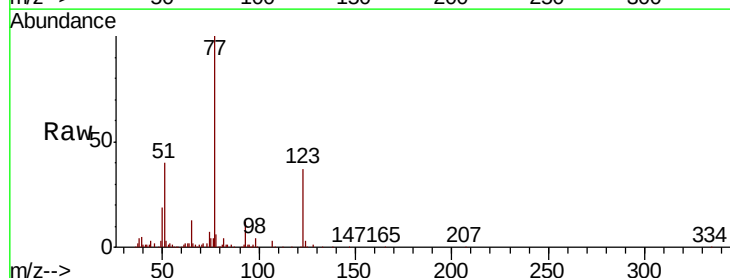
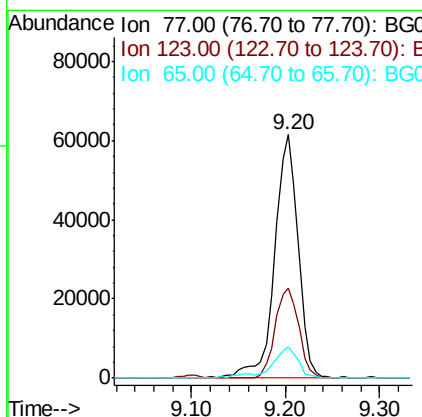
Manual Integrations
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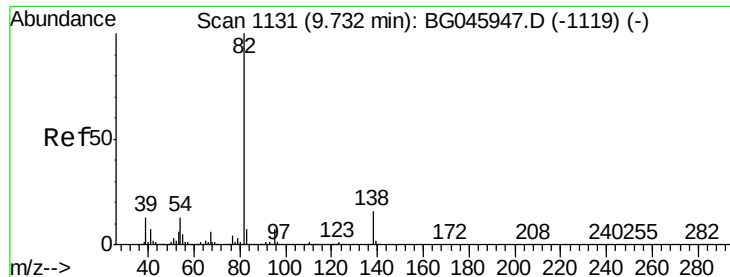
mohammad
 7/9/2020 10:55:38 AM



#24
 Nitrobenzene
 Concen: 10.847 ng
 RT: 9.20 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

Tgt Ion	77	Resp	106305
Ion Ratio	100	Lower	Upper
77	100		
123	37.2	32.7	49.1
65	13.0	10.2	15.4





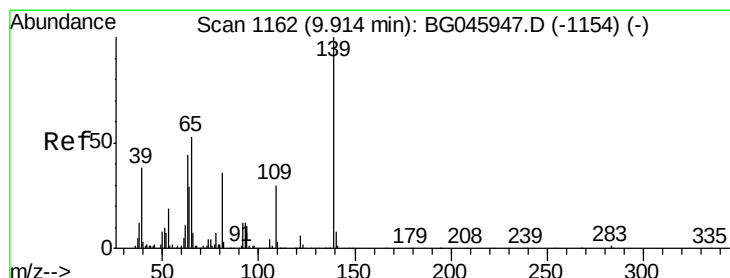
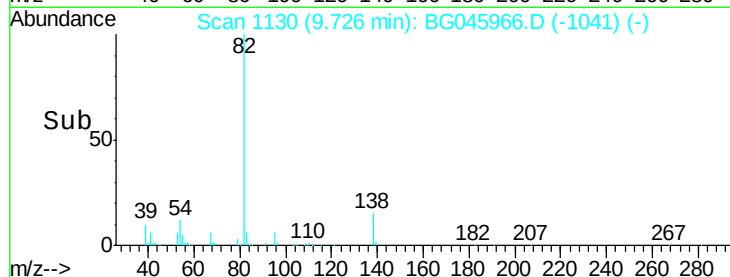
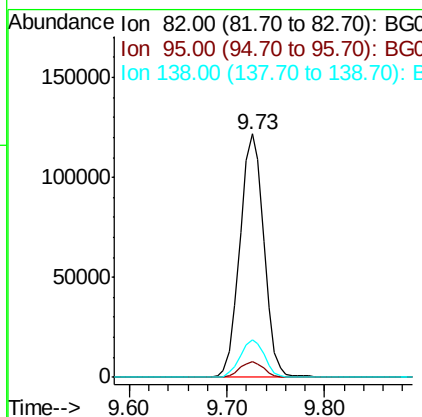
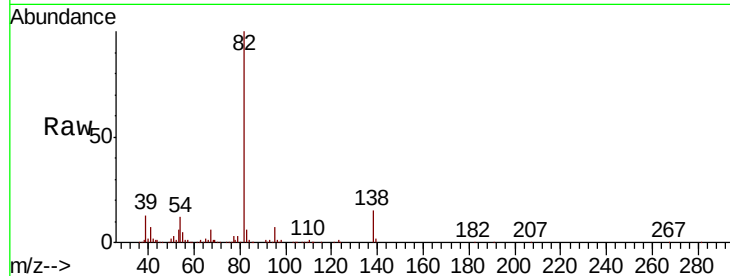
#25
Isophorone
Concen: 9.643 ng
RT: 9.73 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100	209031		
95	6.6		5.8	8.6
138	15.2		12.9	19.3

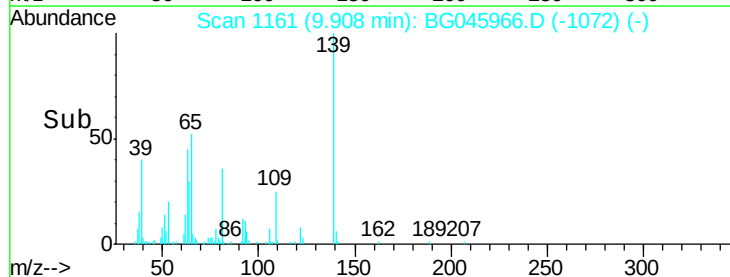
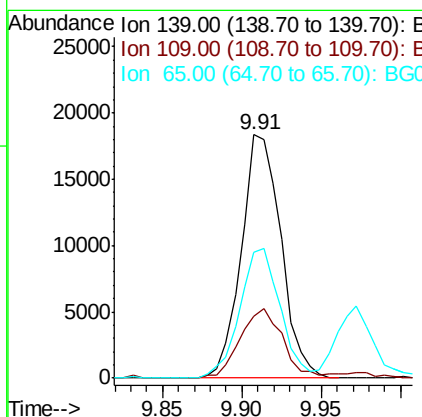
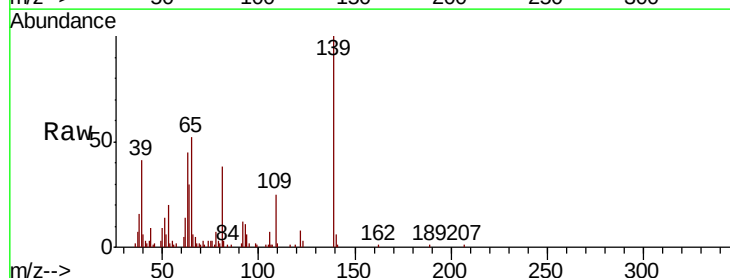
Manual Integrations
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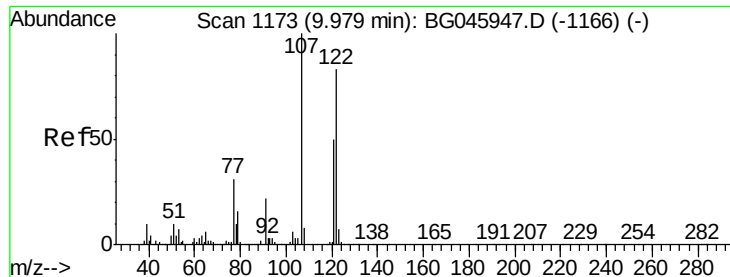
mohammad
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#26
2-Nitrophenol
Concen: 9.957 ng
RT: 9.91 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	31807		
109	25.3		24.6	37.0
65	51.7		42.6	64.0





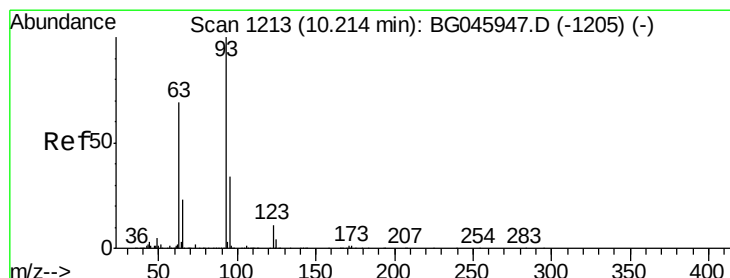
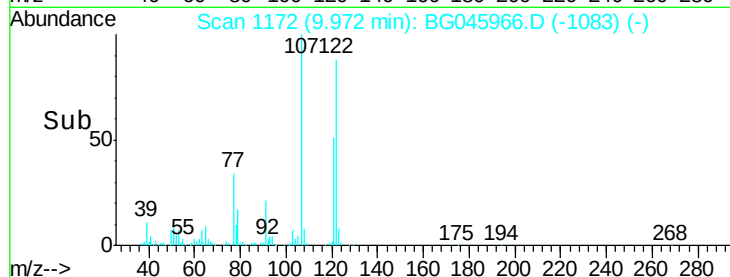
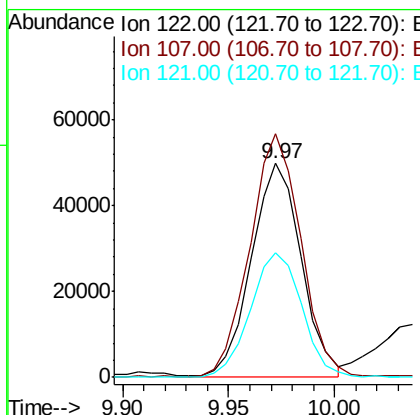
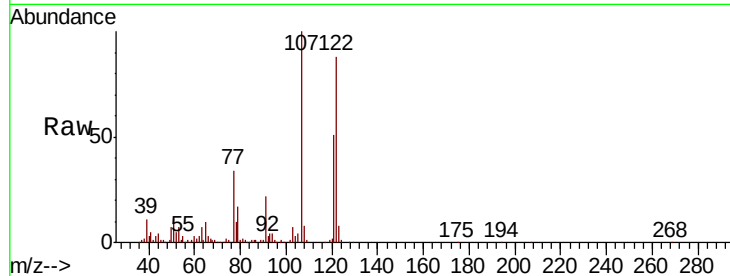
#27
 2,4-Dimethylphenol
 Concen: 10.593 ng
 RT: 9.97 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Lower	Upper
122	100		
107	113.9	95.6	143.4
121	58.2	47.7	71.5

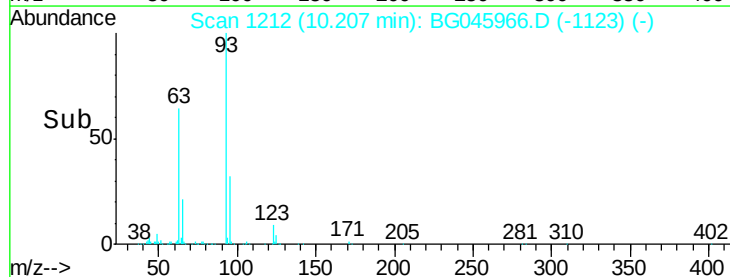
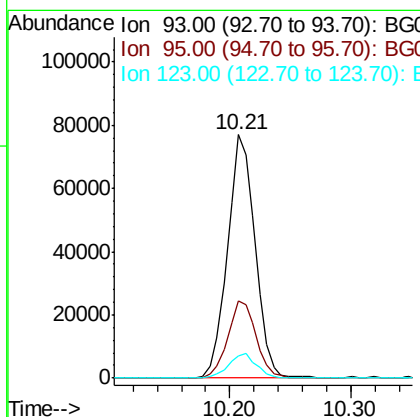
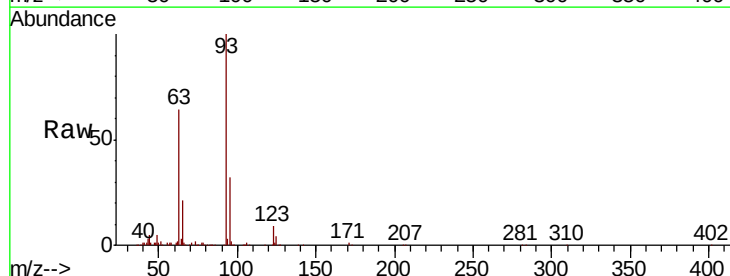
Manual Integrations
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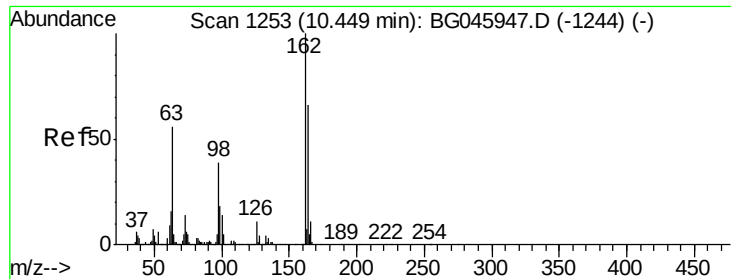
mohammad
 7/9/2020 10:55:38 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 10.034 ng
 RT: 10.21 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.8	27.5	41.3
123	9.2	9.2	13.8





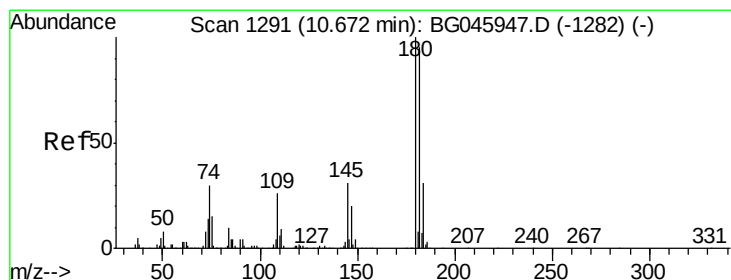
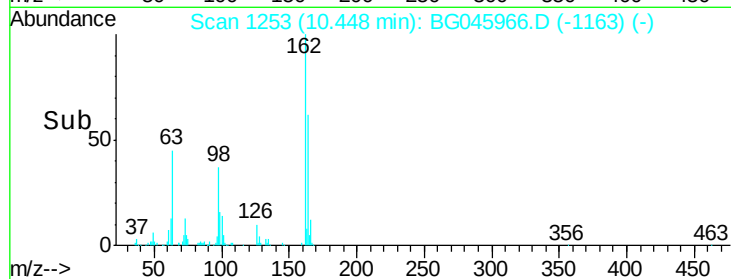
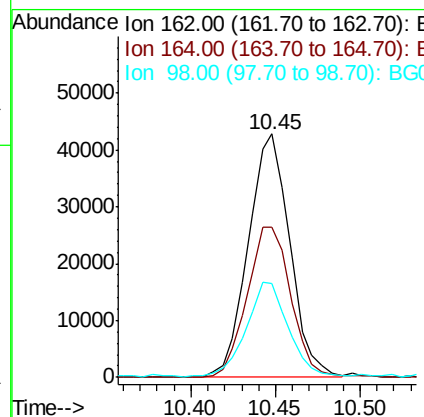
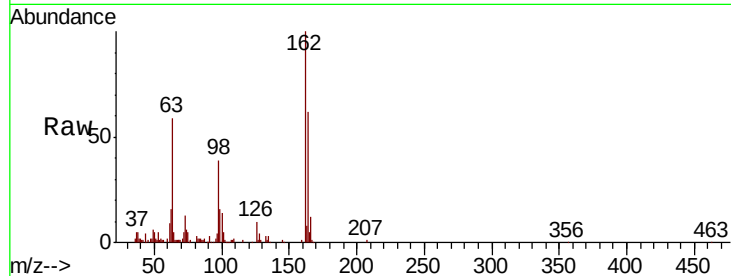
#29
 2,4-Dichlorophenol
 Concen: 9.182 ng
 RT: 10.45 min Scan# 1253
 Delta R.T. -0.00 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

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

Tot Ion:	162	Resp:	73334
Ion Ratio	Lower	Upper	
162	100		
164	61.9	46.0	86.0
98	38.7	19.2	59.2

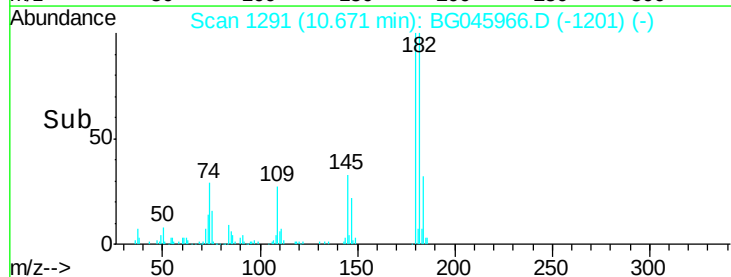
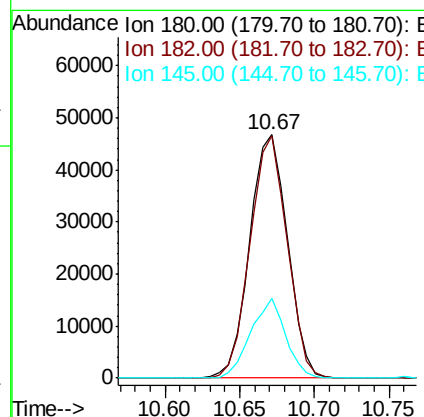
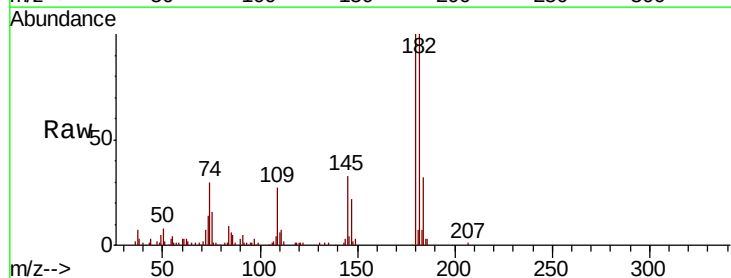
Manual Integrations
 APPROVED

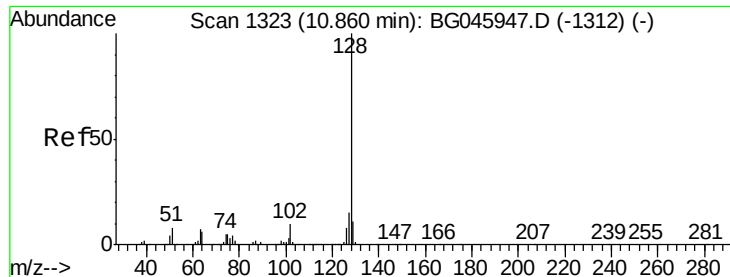
mohammad
 7/9/2020 10:55:38 AM



#30
 1,2,4-Trichlorobenzene
 Concen: 9.236 ng
 RT: 10.67 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

Tgt Ion:	180	Resp:	81738
Ion Ratio	Lower	Upper	
180	100		
182	99.5	76.3	114.5
145	33.0	24.8	37.2





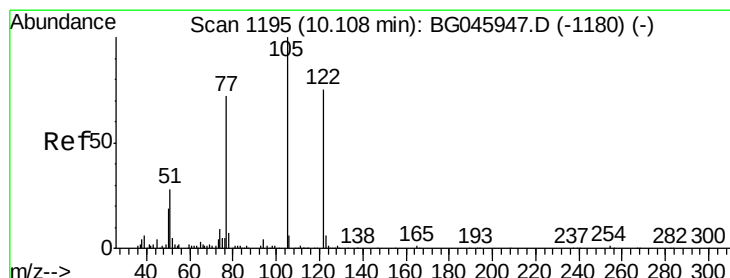
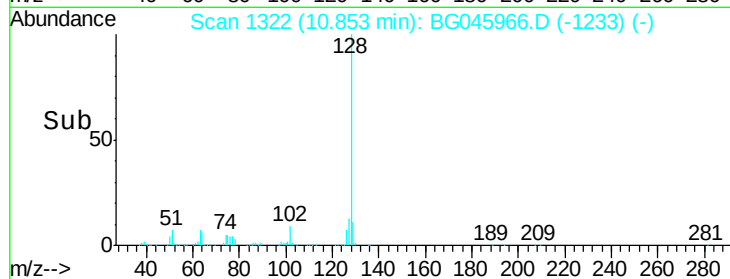
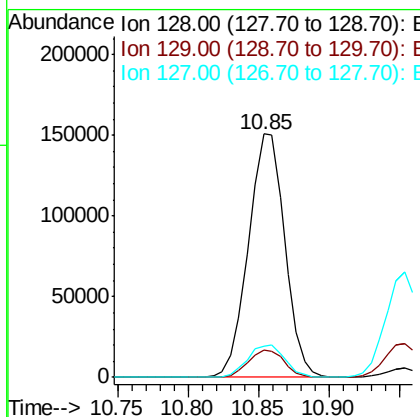
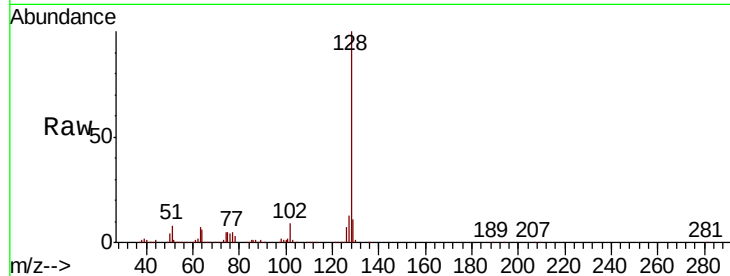
#31
Naphthalene
Concen: 9.895 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

Tot Ion:128	Resp:	271086
Ion Ratio	Lower	Upper
128	100	
129	11.1	9.2 13.8
127	13.0	11.8 17.6

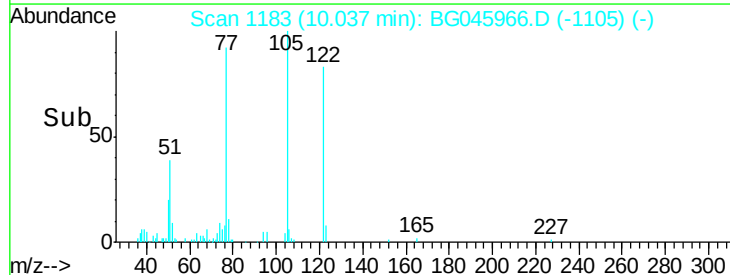
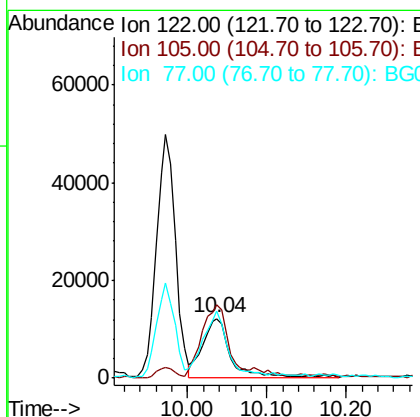
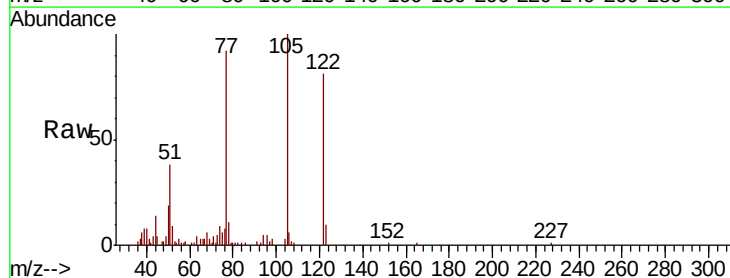
Manual Integrations
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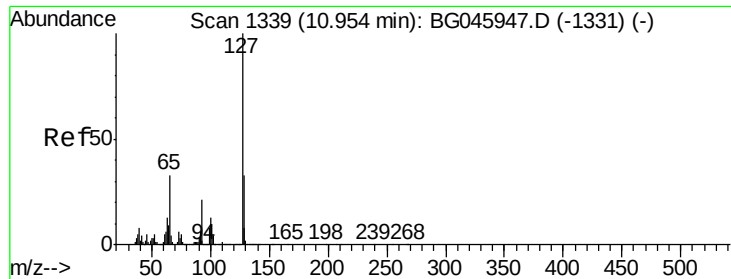
mohammad
7/9/2020 10:55:38 AM



#32
Benzoic acid
Concen: 6.746 ng m
RT: 10.04 min Scan# 1183
Delta R.T. -0.07 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion:122	Resp:	28184
Ion Ratio	Lower	Upper
122	100	
105	122.9	110.8 150.8
77	113.0	76.4 116.4





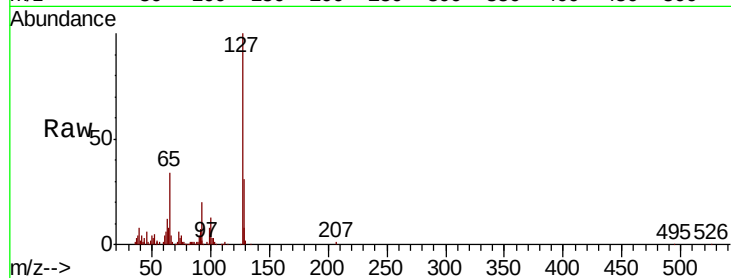
#33
4-Chloroaniline
Concen: 9.370 ng
RT: 10.95 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

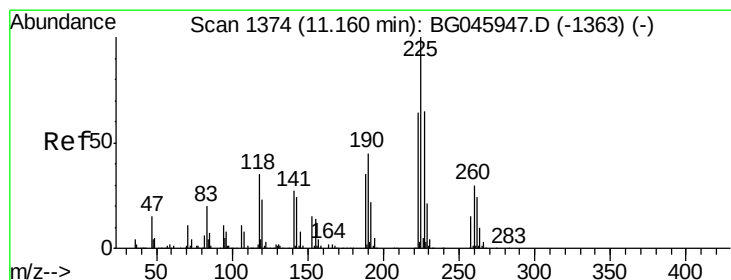
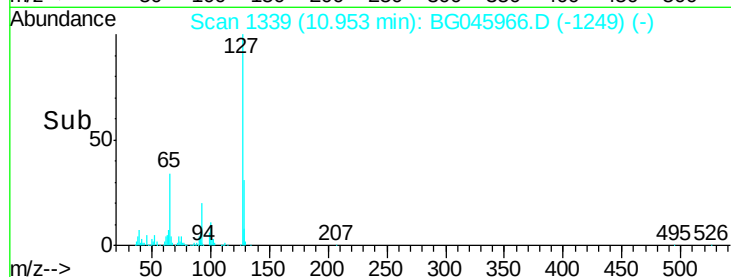
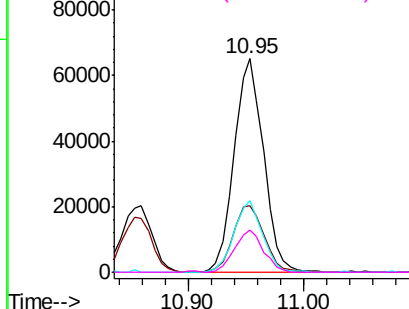
Tot Ion	Ratio	Lower	Upper
127	100		
129	31.5	26.6	39.8
65	33.7	26.8	40.2
92	19.9	17.0	25.4

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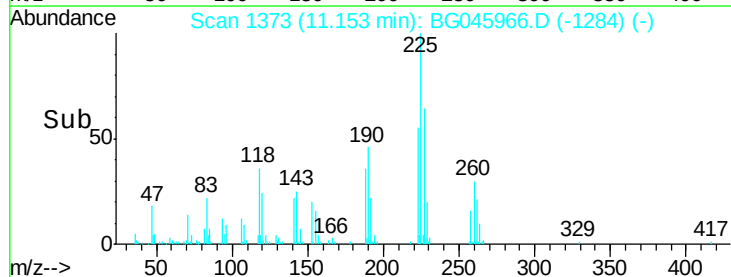
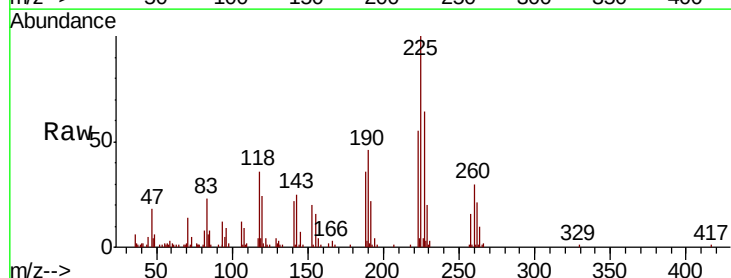
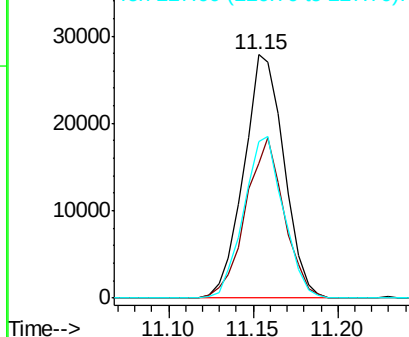
Abundance Ion 127.00 (126.70 to 127.70): E
100000 Ion 129.00 (128.70 to 129.70): E
80000 Ion 65.00 (64.70 to 65.70): BGC
60000 Ion 92.00 (91.70 to 92.70): BGC

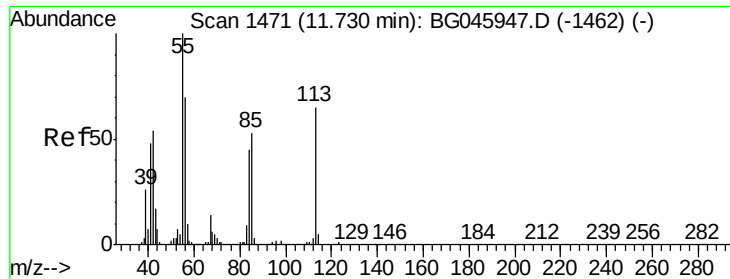


#34
Hexachlorobutadiene
Concen: 8.906 ng
RT: 11.15 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	55.4	51.2	76.8
227	64.4	52.3	78.5

Abundance Ion 225.00 (224.70 to 225.70): E
30000 Ion 223.00 (222.70 to 223.70): E
20000 Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 9.532 ng

RT: 11.70 min Scan# 1466

Delta R.T. -0.03 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

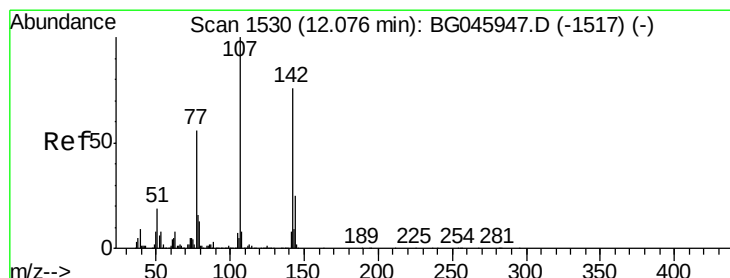
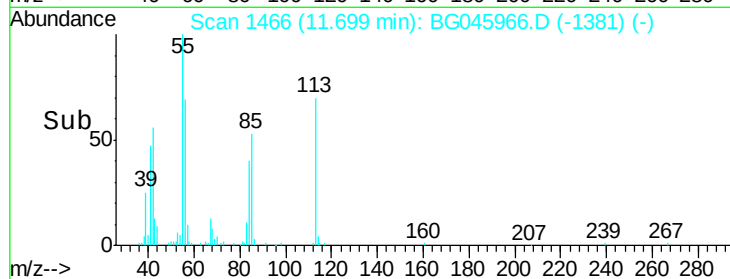
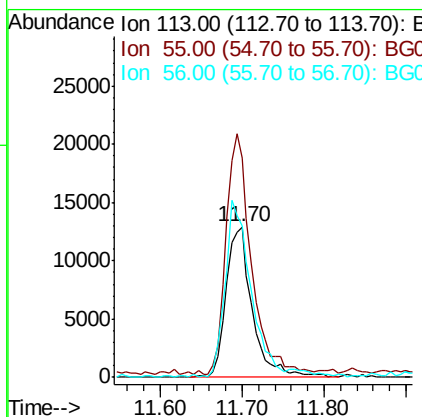
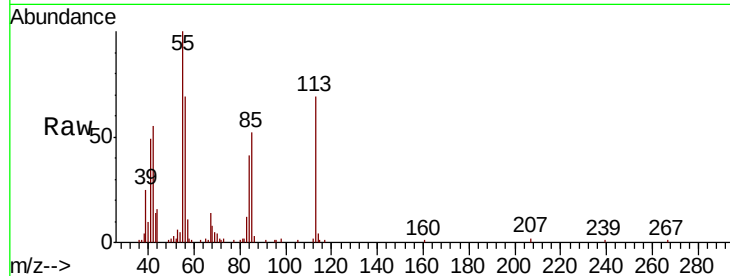
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	113	Resp:	28907
Ion Ratio	Lower	Upper	
113	100		
55	145.2	141.6	181.6
56	100.9	89.6	129.6

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#36

4-Chloro-3-methylphenol

Concen: 9.388 ng

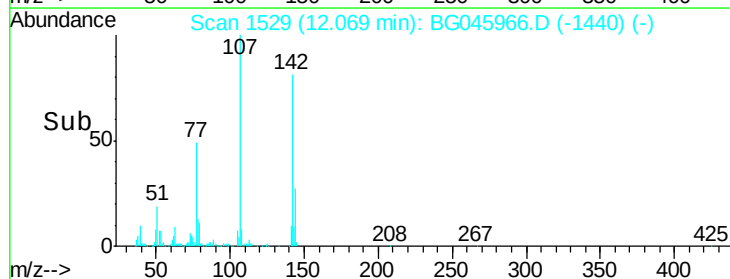
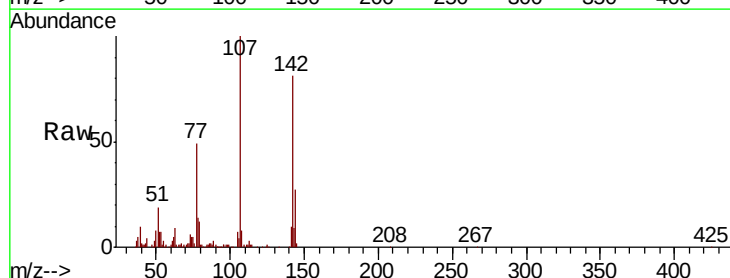
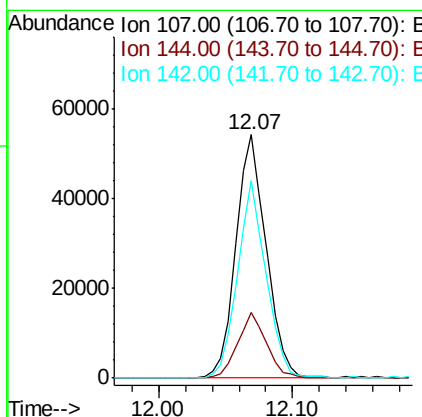
RT: 12.07 min Scan# 1529

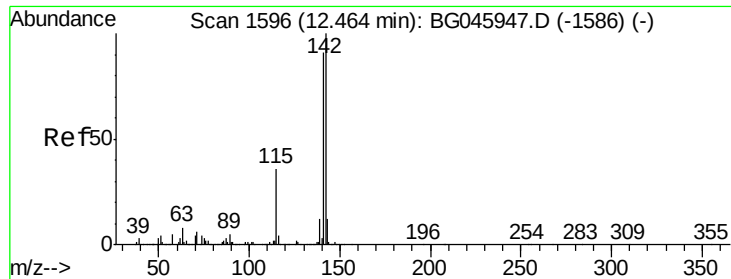
Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Tgt Ion:	107	Resp:	85399
Ion Ratio	Lower	Upper	
107	100		
144	26.8	20.0	30.0
142	81.0	61.1	91.7





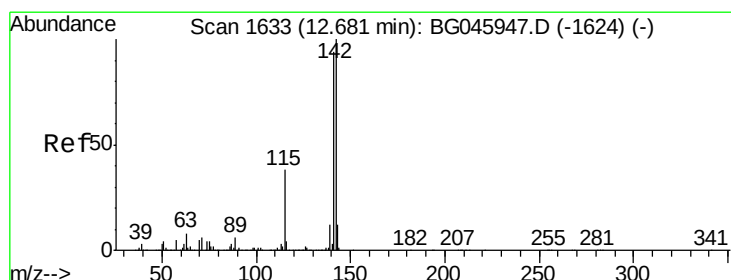
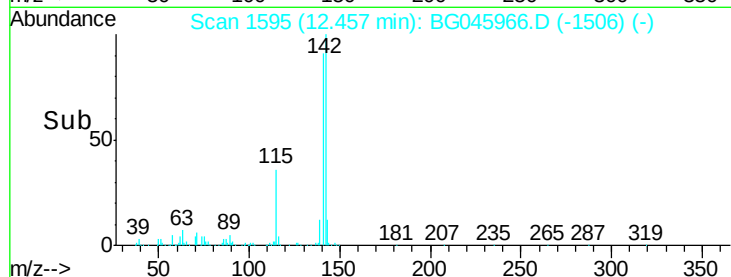
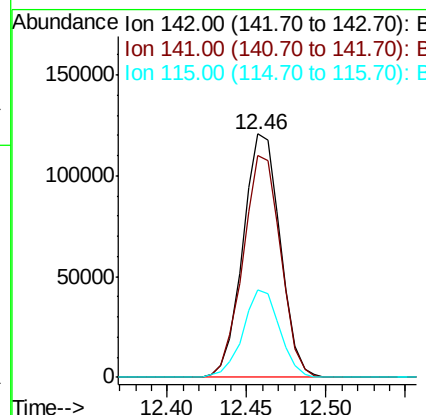
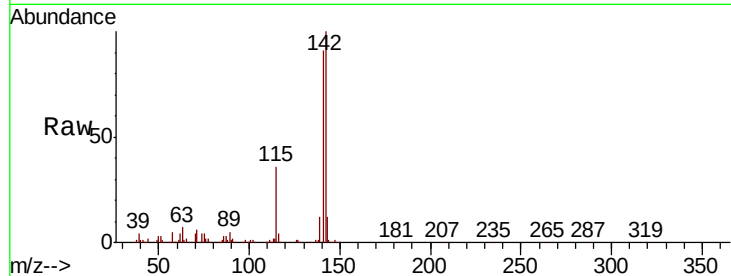
#37
2-Methylnaphthalene
Concen: 10.091 ng
RT: 12.46 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Resp	Lower	Upper
142	100	196539		
141	91.0	73.0	109.6	
115	36.0	28.8	43.2	

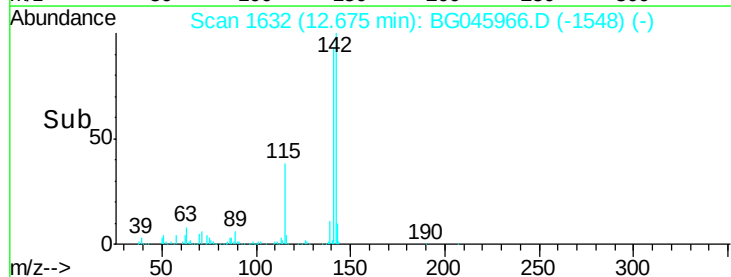
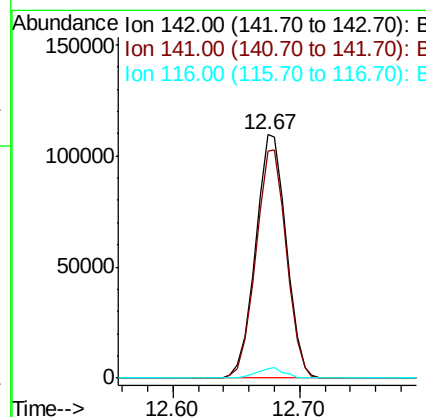
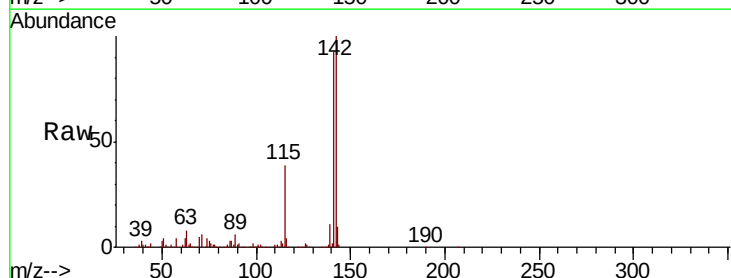
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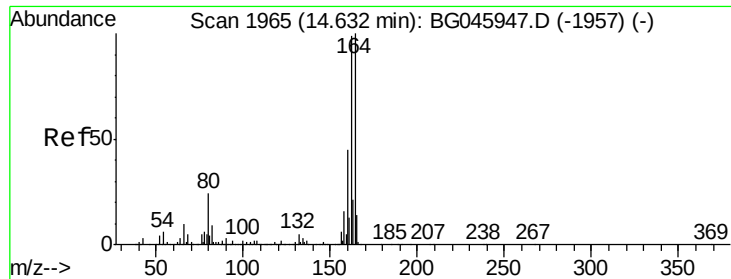
mohammad
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#38
1-Methylnaphthalene
Concen: 10.042 ng
RT: 12.67 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	184576		
141	93.5	75.2	112.8	
116	3.9	3.1	4.7	





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

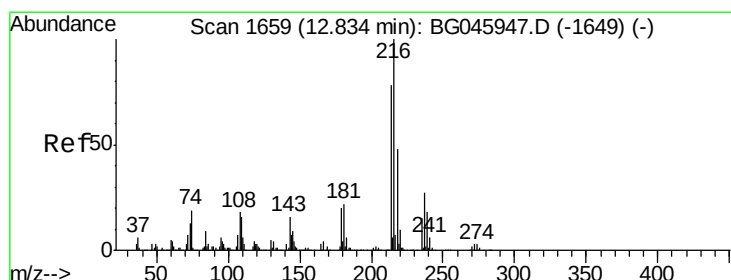
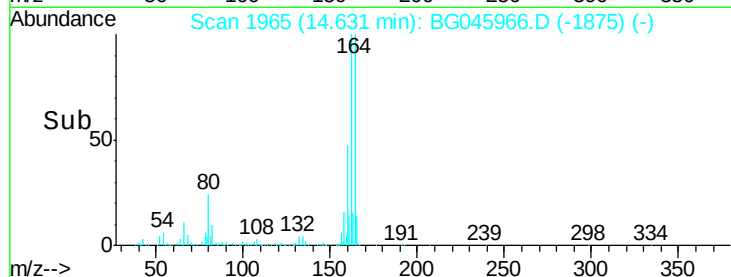
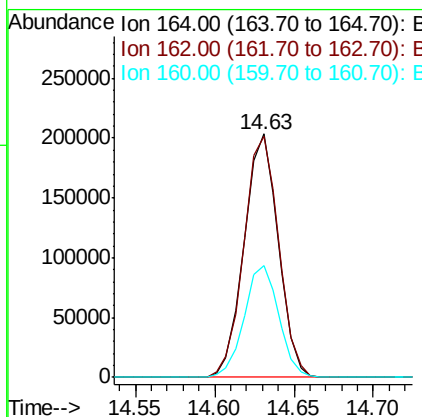
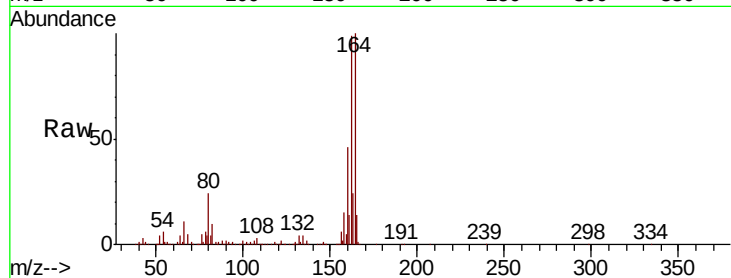
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	164	Resp:	304531
Ion Ratio	Lower	Upper	
164	100		
162	98.9	79.3	118.9
160	46.1	35.7	53.5

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.358 ng

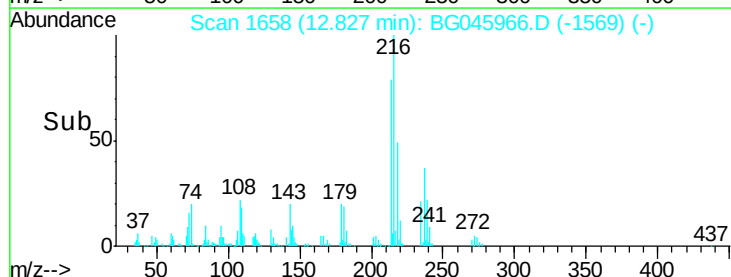
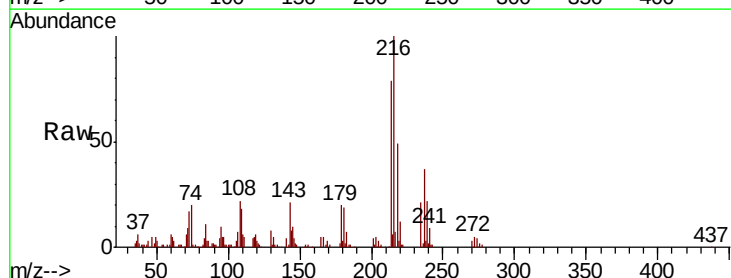
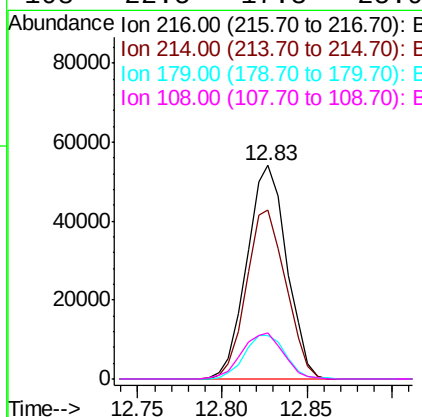
RT: 12.83 min Scan# 1658

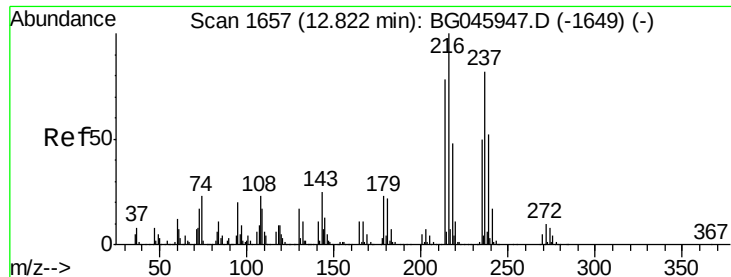
Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Tgt Ion:	216	Resp:	88914
Ion Ratio	Lower	Upper	
216	100		
214	78.4	63.0	94.4
179	21.2	17.0	25.6
108	22.5	17.3	25.9





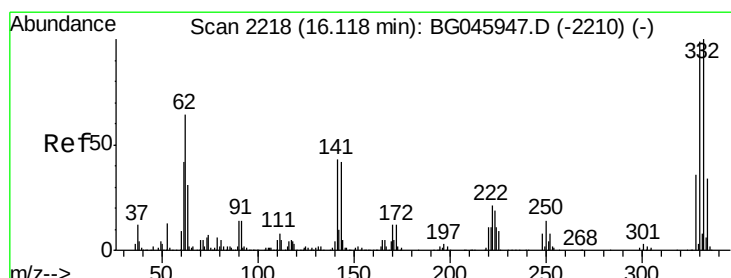
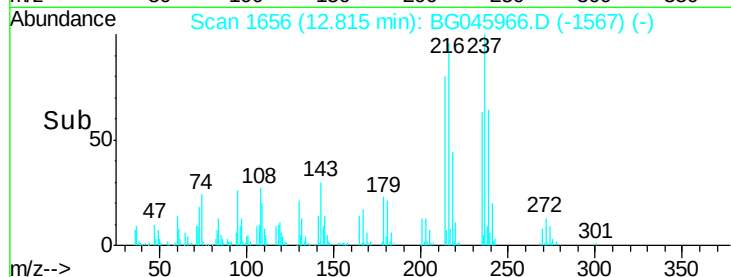
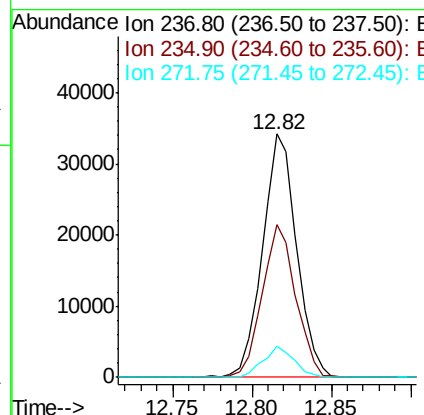
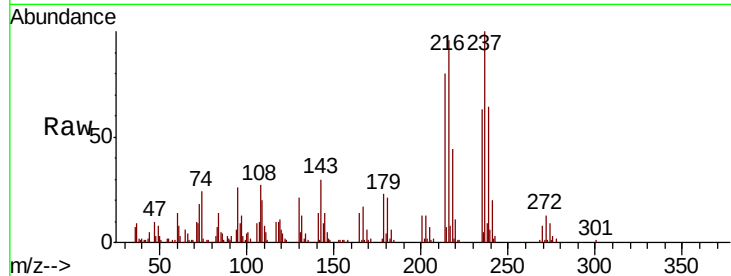
#41
Hexachlorocyclopentadiene
Concen: 10.042 ng
RT: 12.82 min Scan# 1656
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Resp	Lower	Upper
237	100			
235	62.7	41.5	81.5	
272	12.9	0.0	31.7	

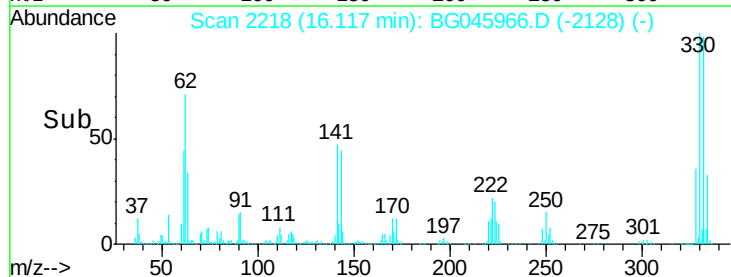
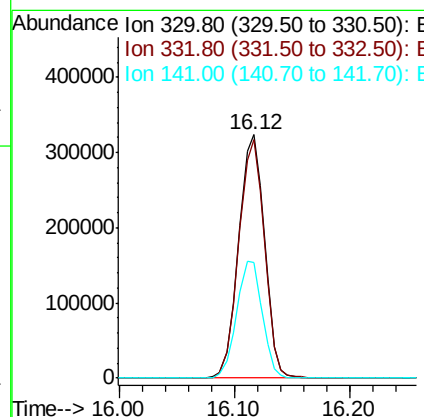
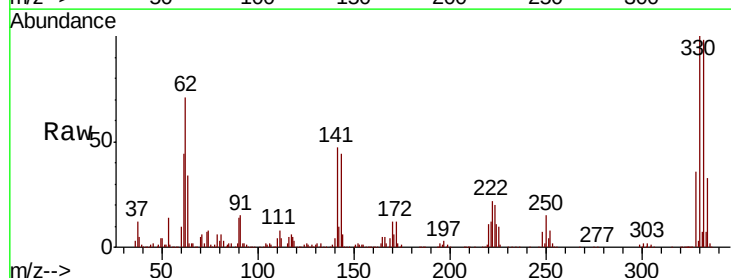
Manual Integrations
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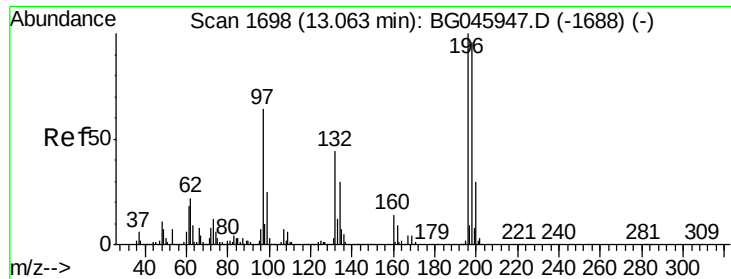
mohammad
7/9/2020 10:55:38 AM



#42
2,4,6-Tribromophenol
Concen: 177.596 ng
RT: 16.12 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.5	78.3	117.5	
141	47.8	36.6	54.8	





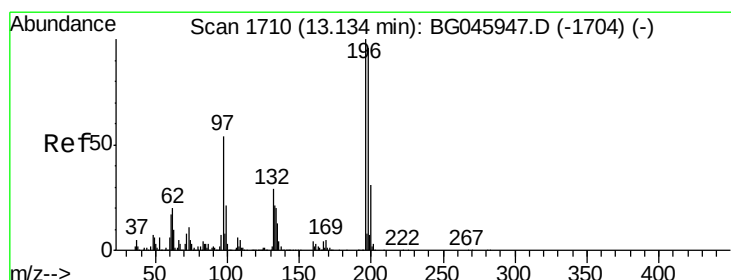
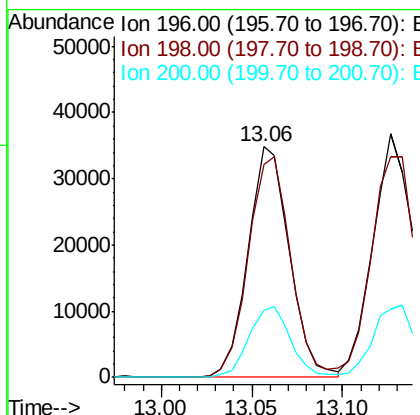
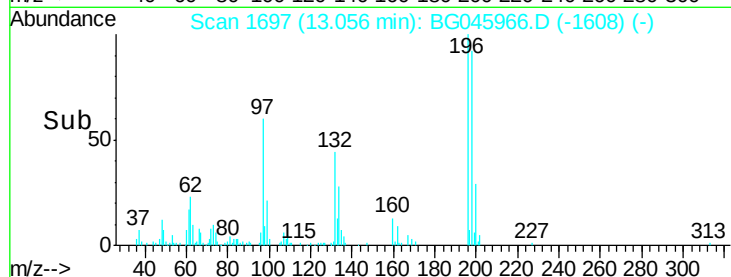
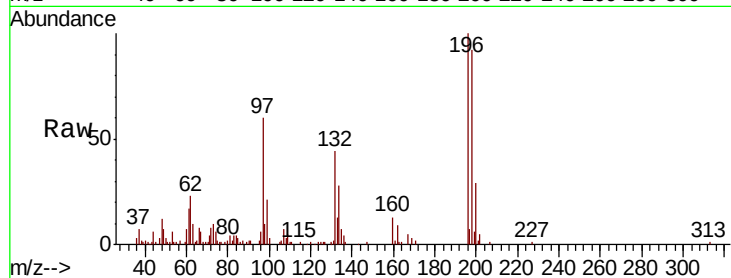
#43
2,4,6-Trichlorophenol
Concen: 9.514 ng
RT: 13.06 min Scan# 1697
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Resp	Lower	Upper
196	100	55235		
198	92.4		76.7	115.1
200	29.3		24.3	36.5

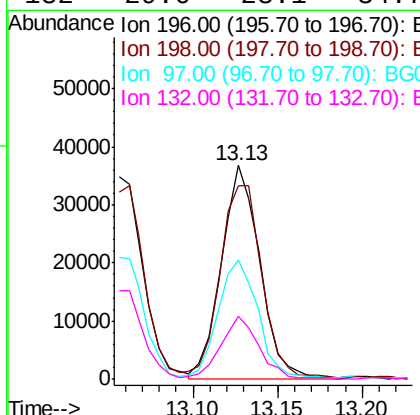
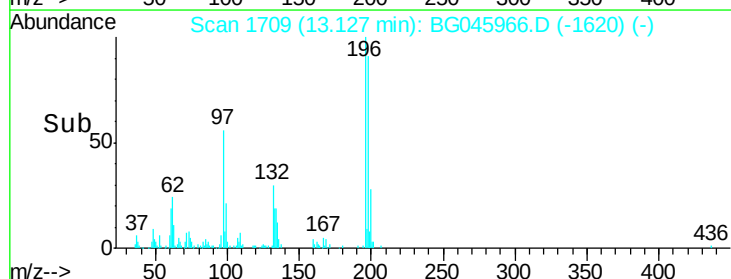
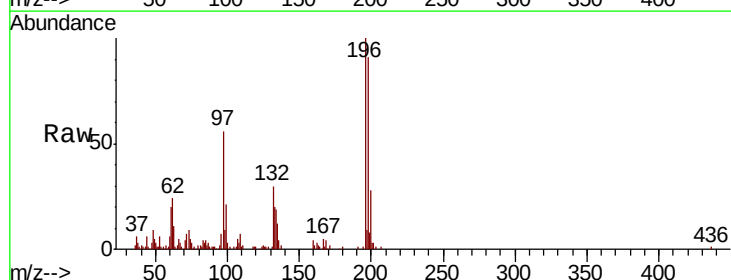
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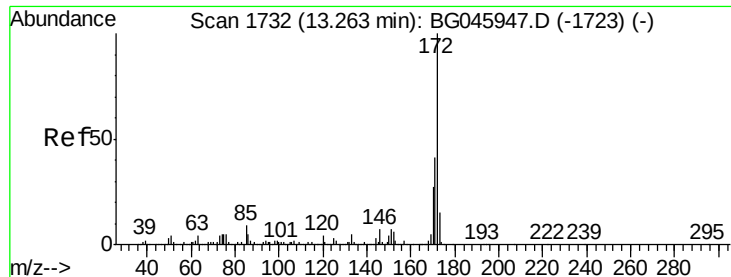
mohammad
7/9/2020 10:55:38 AM



#44
2,4,5-Trichlorophenol
Concen: 8.908 ng
RT: 13.13 min Scan# 1709
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	58472		
198	90.8		77.0	115.6
97	56.0		44.3	66.5
132	29.6		23.1	34.7





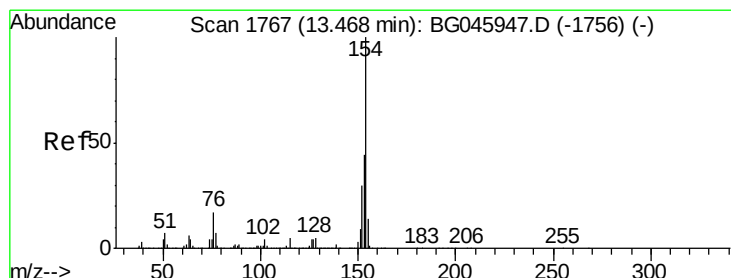
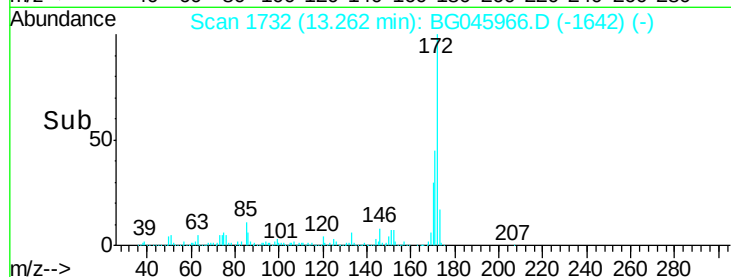
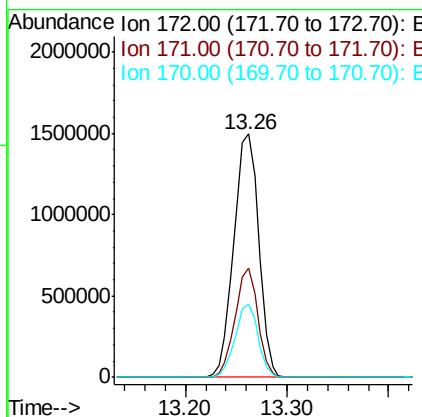
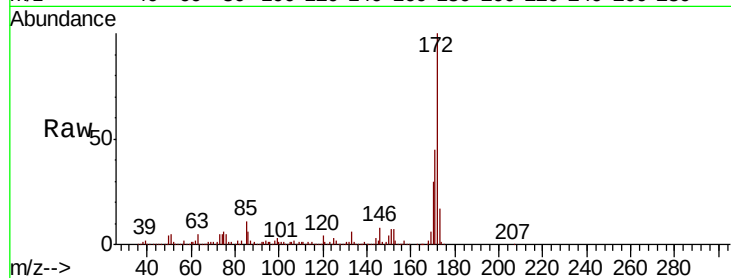
#45
2-Fluorobiphenyl
Concen: 130.802 ng
RT: 13.26 min Scan# 1732
Delta R.T. -0.00 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	45.0	32.9	49.3
170	30.1	21.8	32.6

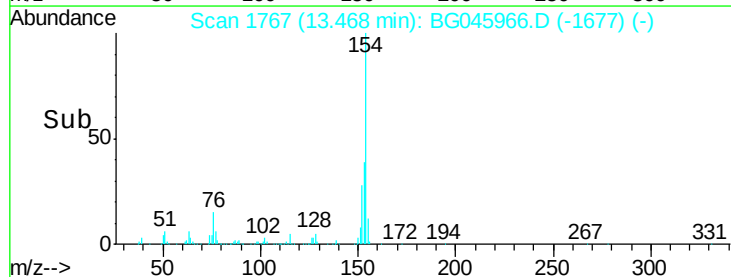
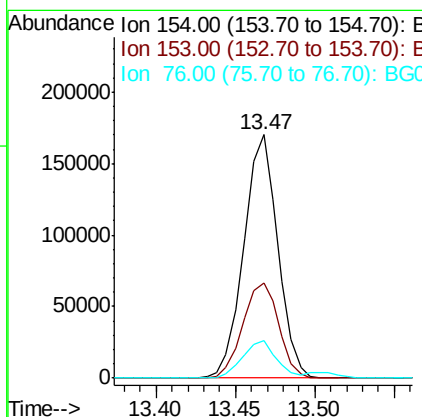
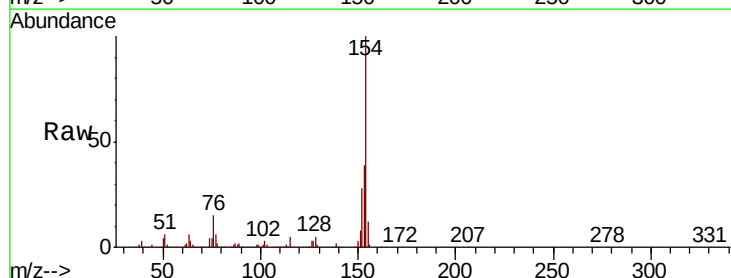
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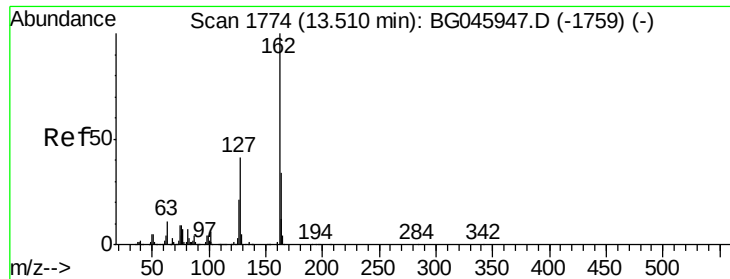
mohammad
7/9/2020 10:55:38 AM



#46
1,1'-Biphenyl
Concen: 11.026 ng
RT: 13.47 min Scan# 1767
Delta R.T. -0.00 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.9	23.6	63.6
76	15.2	0.0	36.9





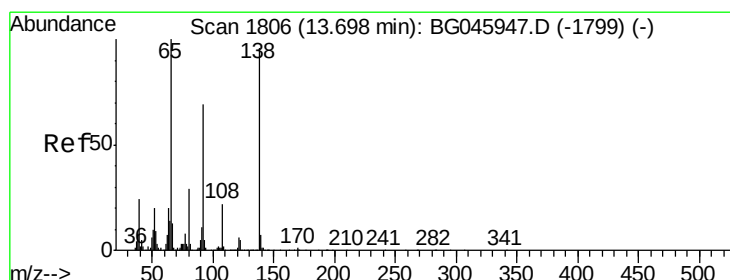
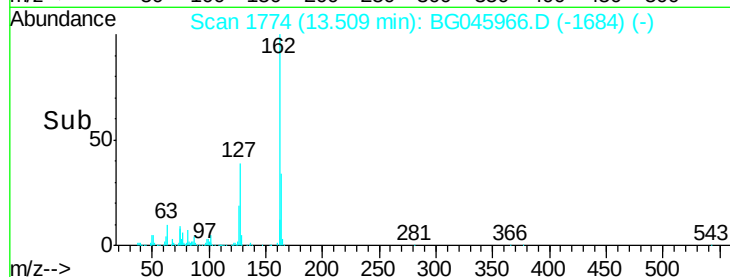
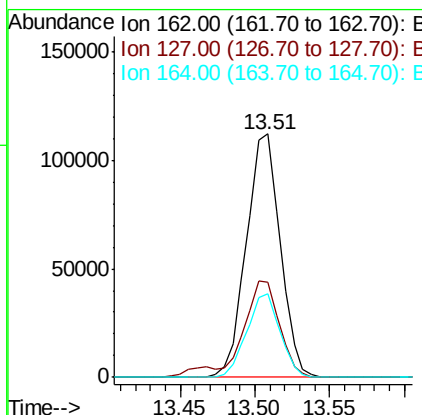
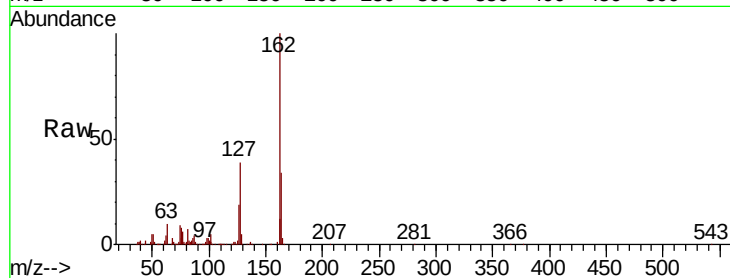
#47
 2-Chloronaphthalene
 Concen: 9.731 ng
 RT: 13.51 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Lower	Upper
162	100		
127	38.8	32.5	48.7
164	34.5	27.2	40.8

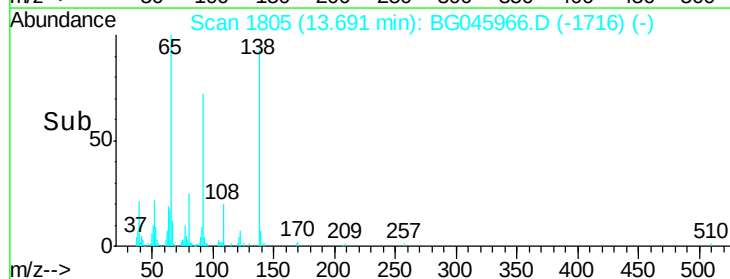
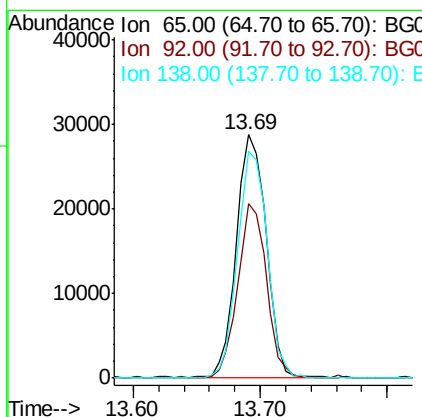
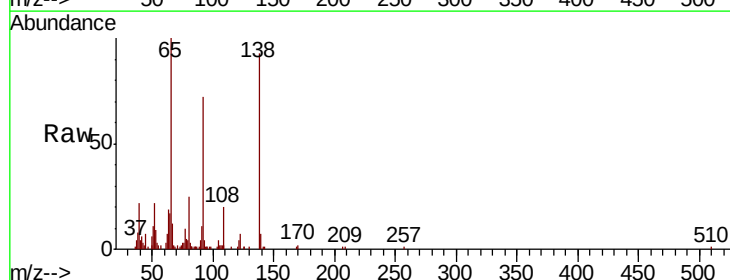
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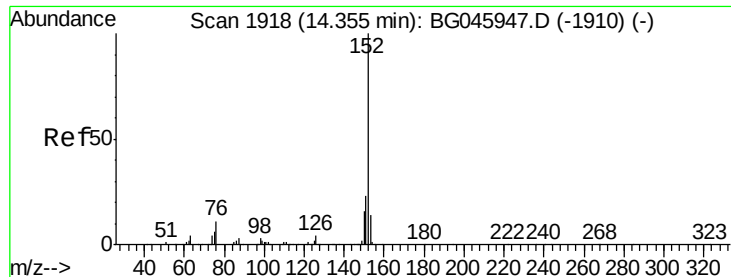
mohammad
 7/9/2020 10:55:38 AM



#48
 2-Nitroaniline
 Concen: 11.151 ng
 RT: 13.69 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
65	100		
92	71.6	55.4	83.0
138	93.1	77.0	115.4





#49

Acenaphthylene

Concen: 10.318 ng

RT: 14.35 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

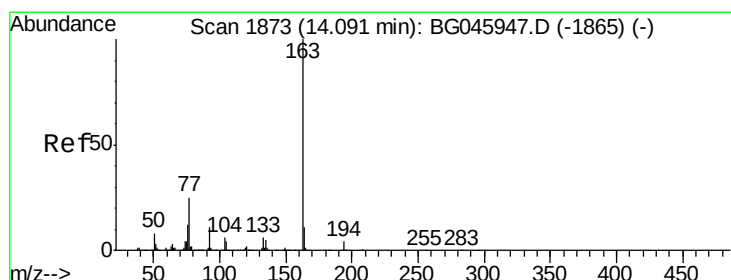
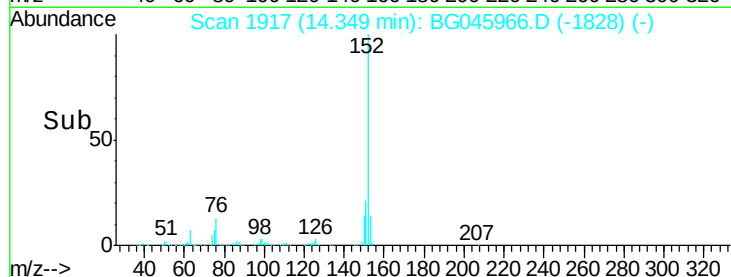
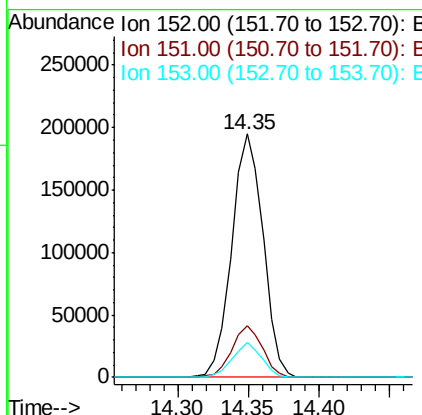
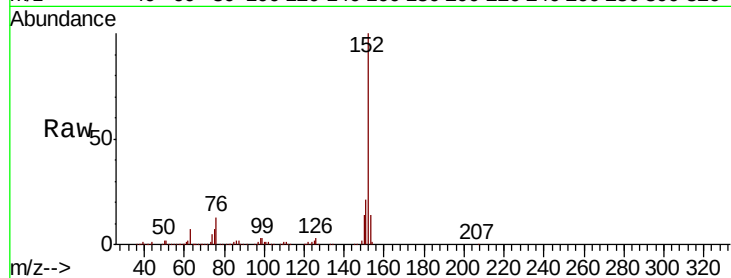
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	152	Resp:	300903
Ion Ratio		Lower	Upper
152	100		
151	21.0	18.1	27.1
153	14.2	11.5	17.3

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#50

Dimethylphthalate

Concen: 9.664 ng

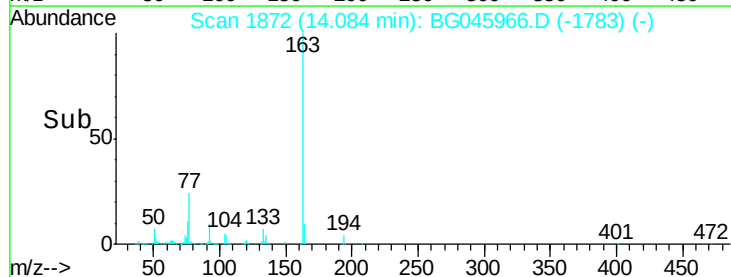
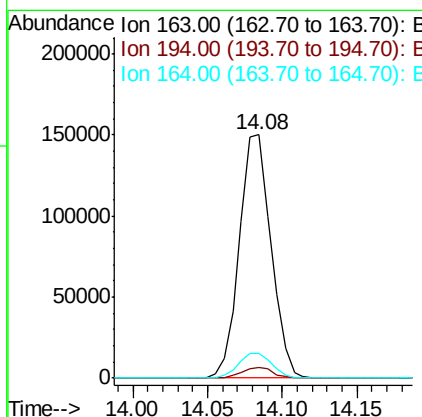
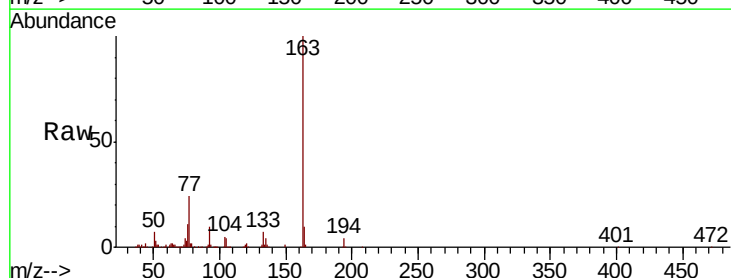
RT: 14.08 min Scan# 1872

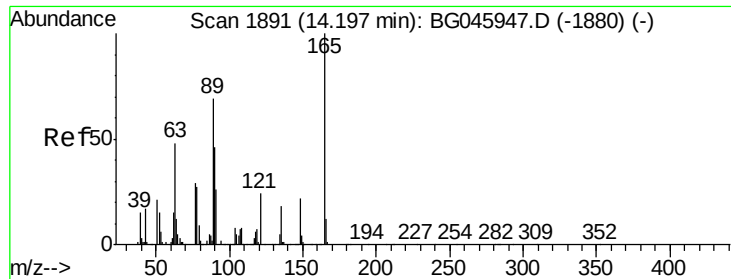
Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Tgt Ion:	163	Resp:	220874
Ion Ratio		Lower	Upper
163	100		
194	4.4	3.6	5.4
164	10.1	8.9	13.3





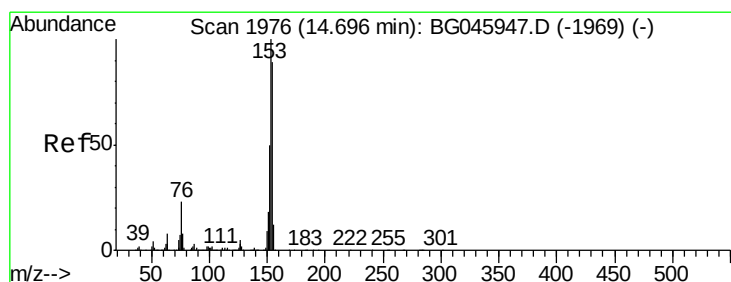
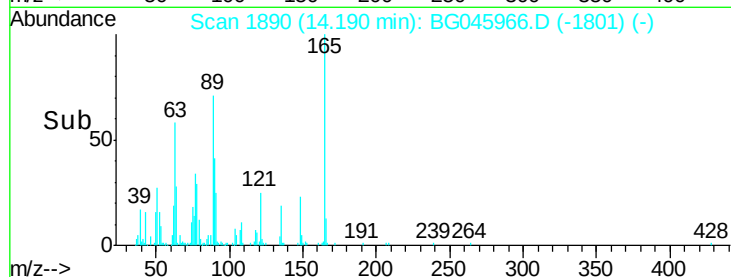
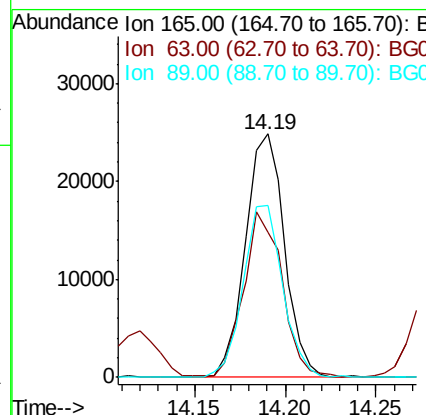
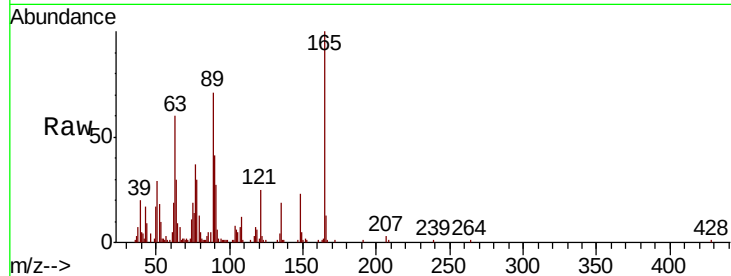
#51
2,6-Dinitrotoluene
Concen: 10.480 ng
RT: 14.19 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Lower	Upper
165	100		
63	59.7	51.0	76.4
89	70.5	55.7	83.5

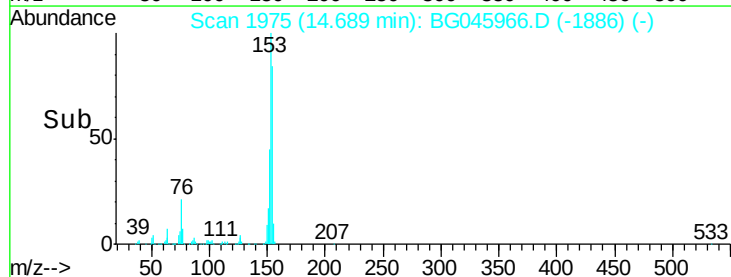
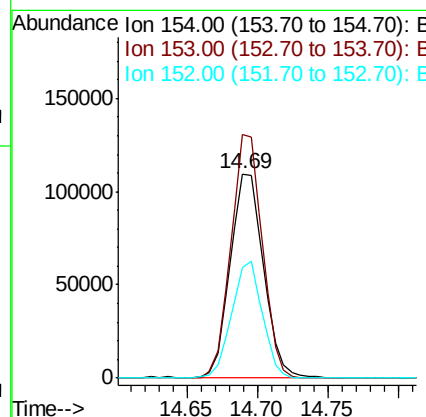
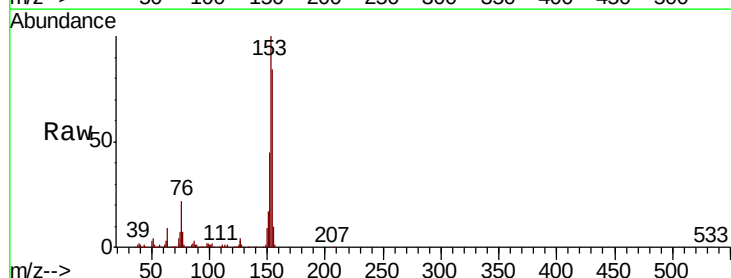
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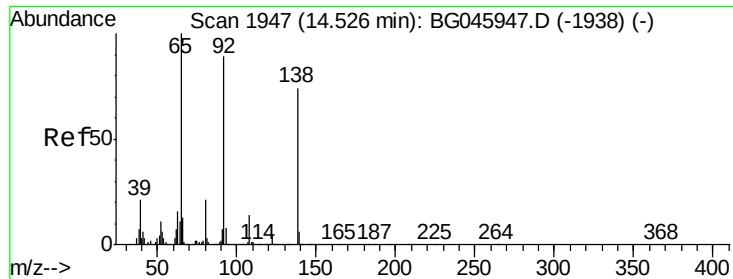
mohammad
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#52
Acenaphthene
Concen: 9.821 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
154	100		
153	119.2	89.7	134.5
152	54.0	44.7	67.1





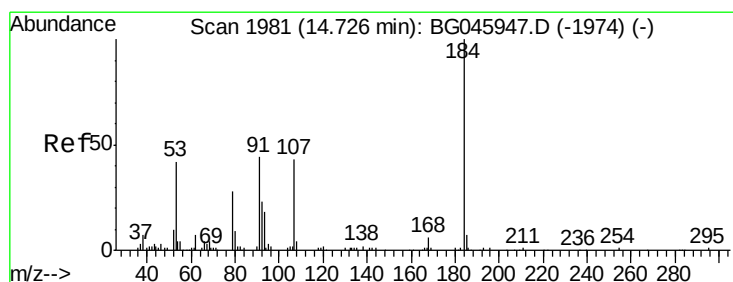
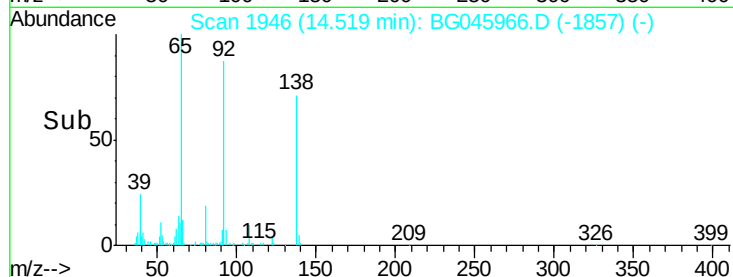
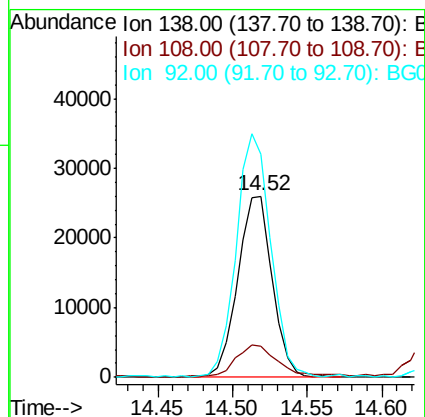
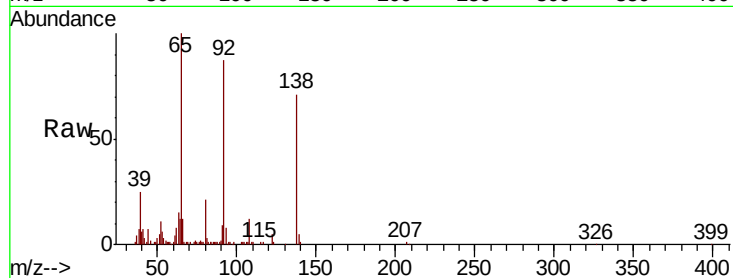
#53
3-Nitroaniline
Concen: 9.480 ng
RT: 14.52 min Scan# 1946
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Lower	Upper
138	100		
108	16.9	15.4	23.2
92	123.2	95.9	143.9

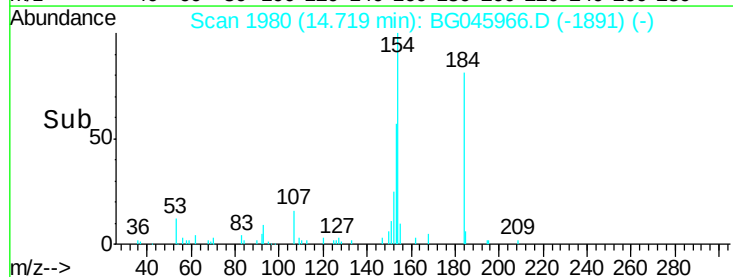
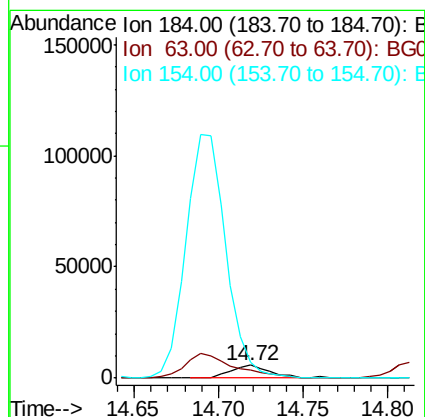
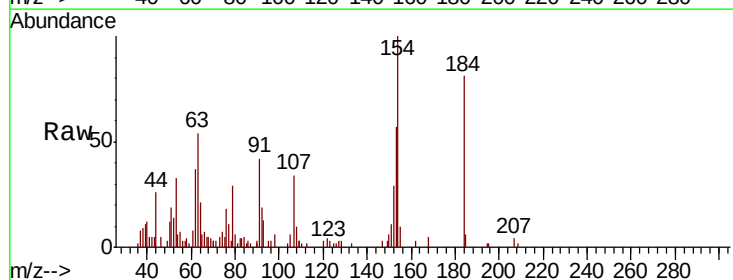
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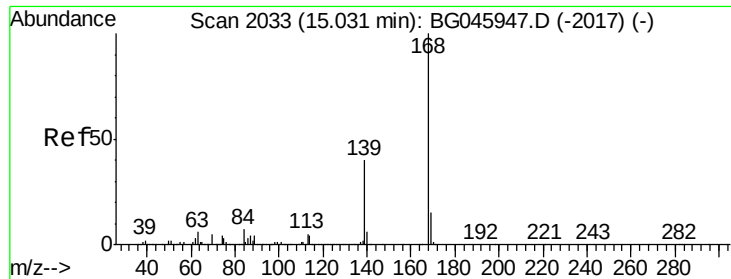
mohammad
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#54
2,4-Dinitrophenol
Concen: 7.353 ng
RT: 14.72 min Scan# 1980
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
184	100		
63	66.6	46.0	69.0
154	123.6	58.2	87.2#





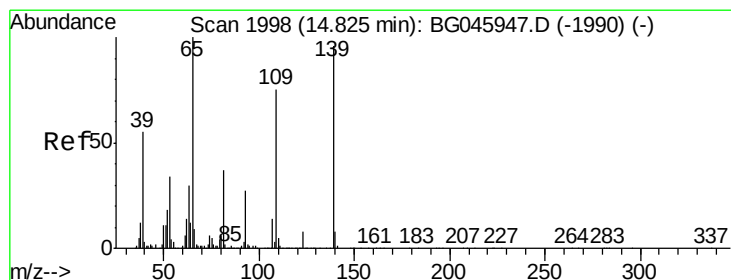
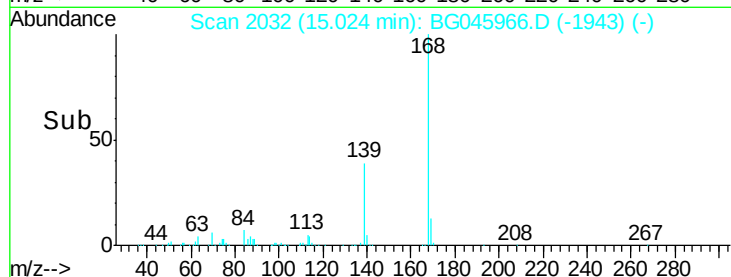
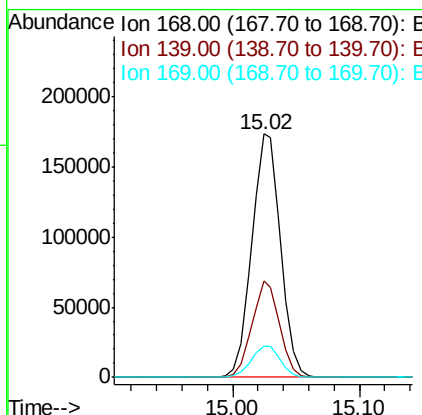
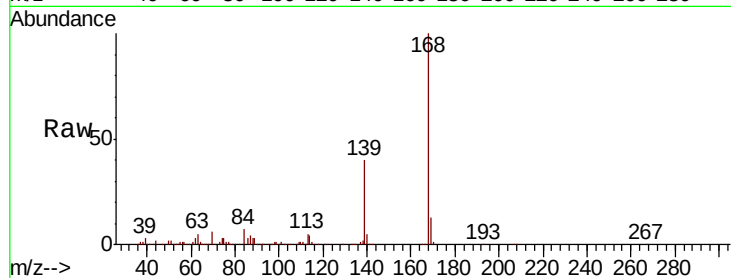
#55
Dibenzenofuran
Concen: 10.112 ng
RT: 15.02 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.8	32.2	48.2
169	13.0	11.8	17.8

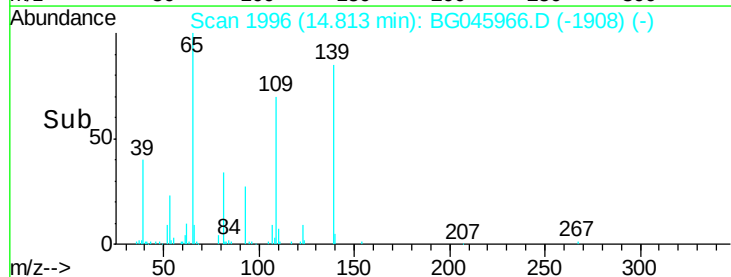
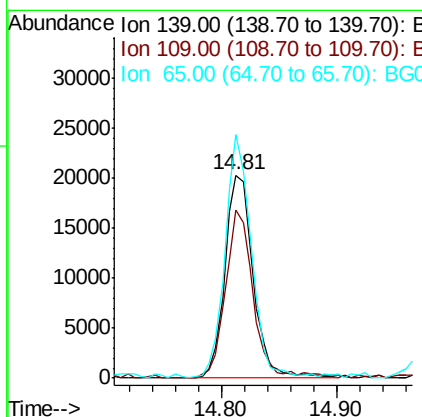
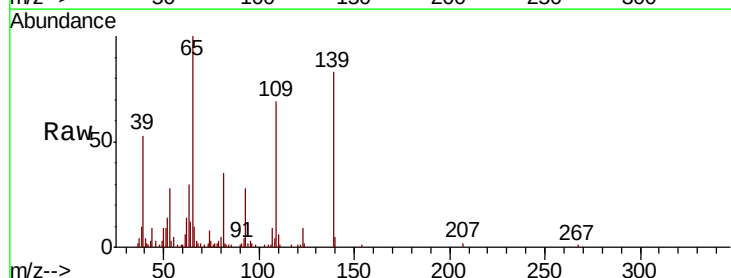
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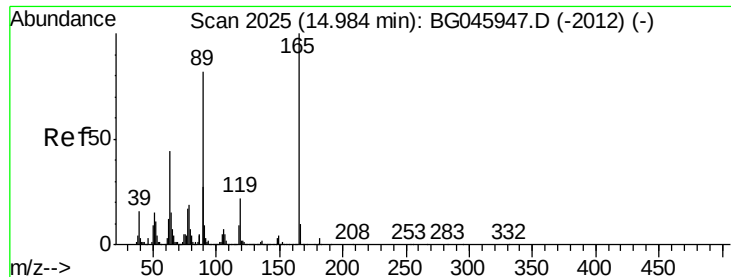
mohammad
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#56
4-Nitrophenol
Concen: 9.244 ng
RT: 14.81 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
139	100		
109	82.9	58.5	98.5
65	119.9	84.7	124.7





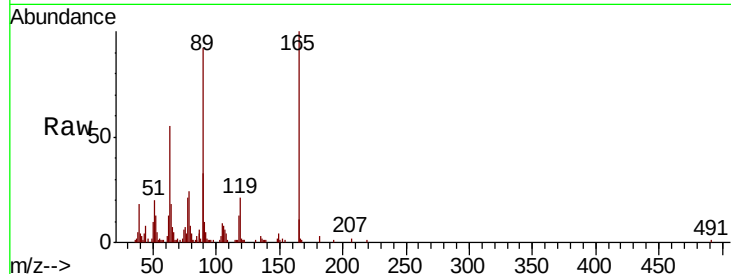
#57
2,4-Dinitrotoluene
Concen: 10.109 ng
RT: 14.98 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Lower	Upper
165	100		
63	54.9	35.4	53.0
89	92.2	65.4	98.2
182	2.5	2.0	3.0

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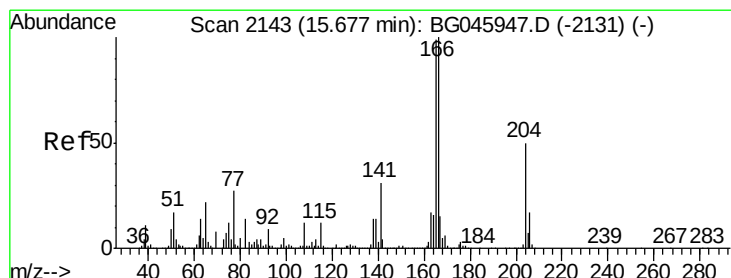
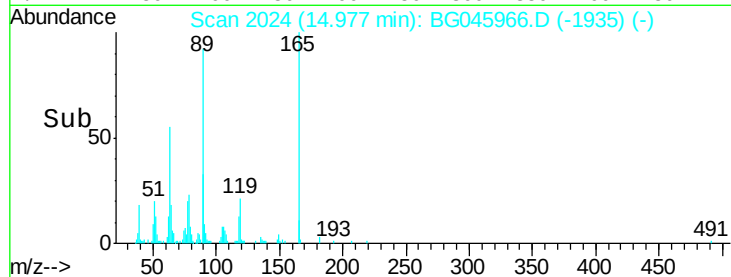
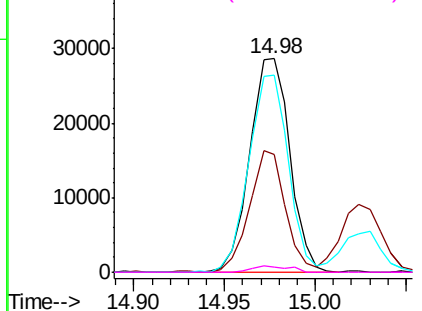


Abundance Ion 165.00 (164.70 to 165.70): E

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



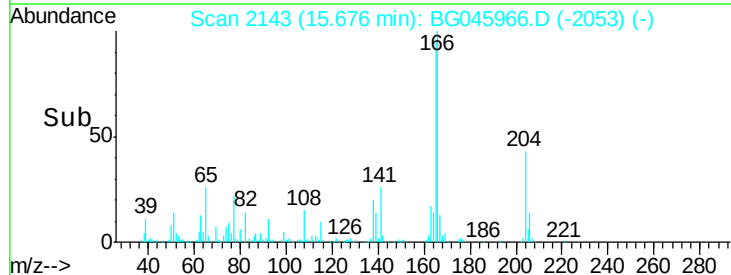
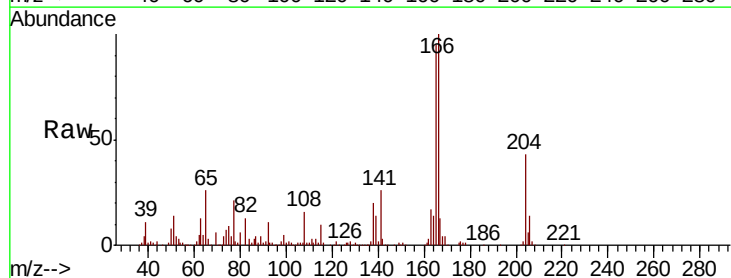
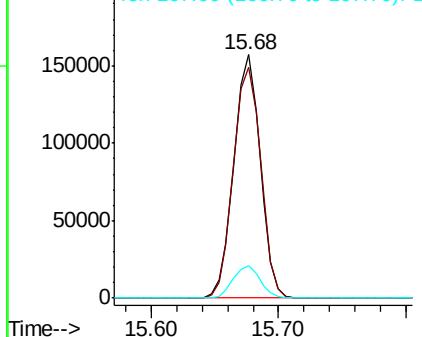
#58
Fluorene
Concen: 10.230 ng
RT: 15.68 min Scan# 2143
Delta R.T. -0.00 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

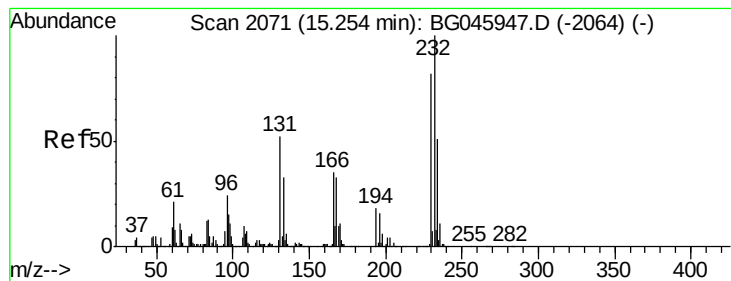
Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.0	78.9	118.3
167	13.1	12.1	18.1

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: 9.759 ng

RT: 15.25 min Scan# 2070

Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

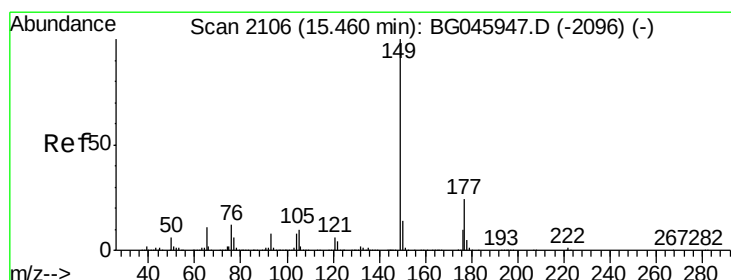
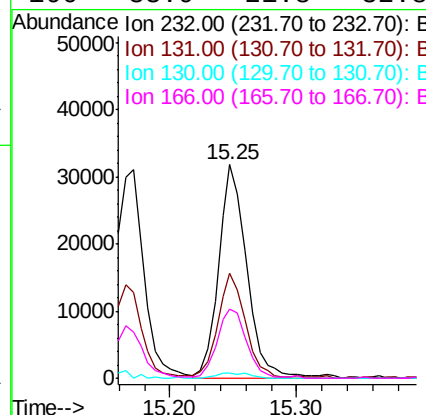
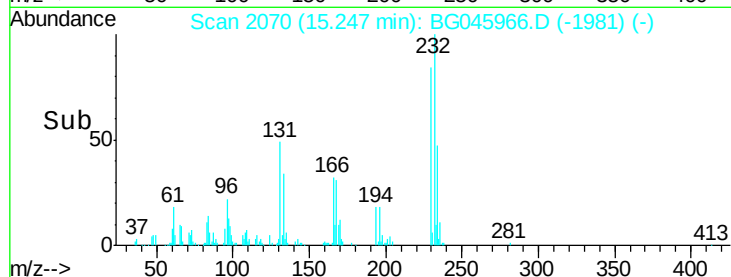
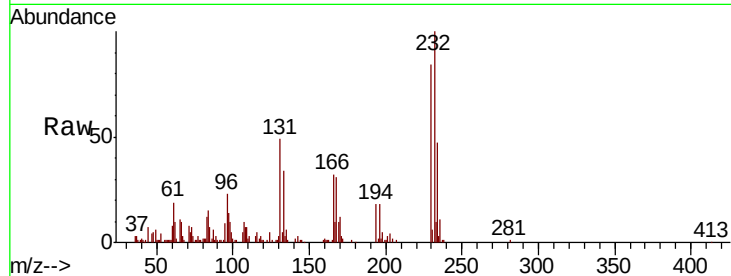
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		49461		
131	46.3	35.8	53.6		
130	2.8	2.5	3.7		
166	33.9	21.8	32.8#		

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#60

Diethylphthalate

Concen: 9.605 ng

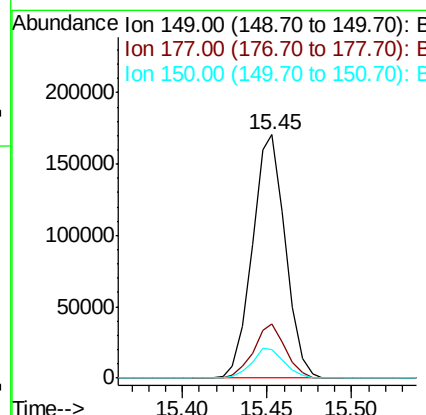
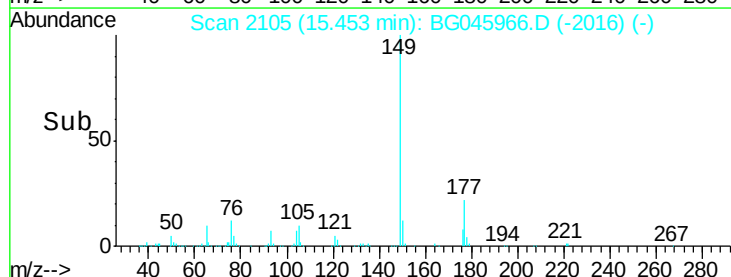
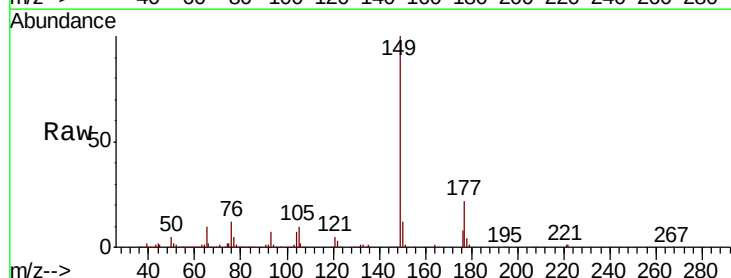
RT: 15.45 min Scan# 2105

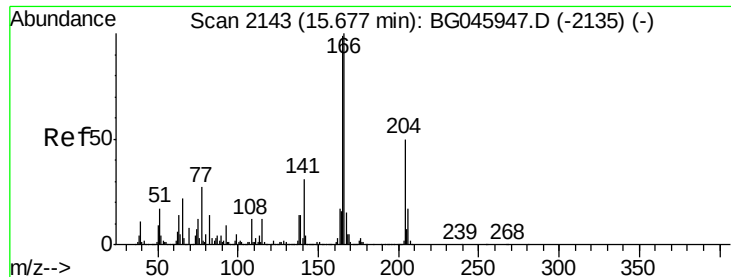
Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		230211		
177	22.4	19.0	28.4		
150	11.7	11.0	16.4		





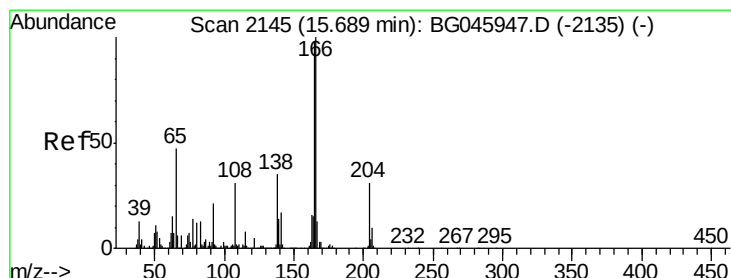
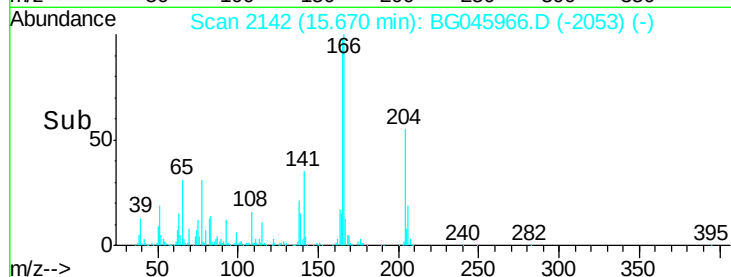
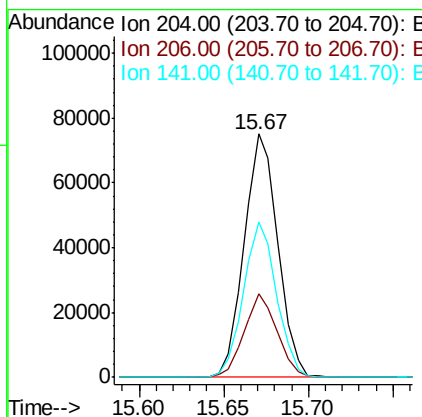
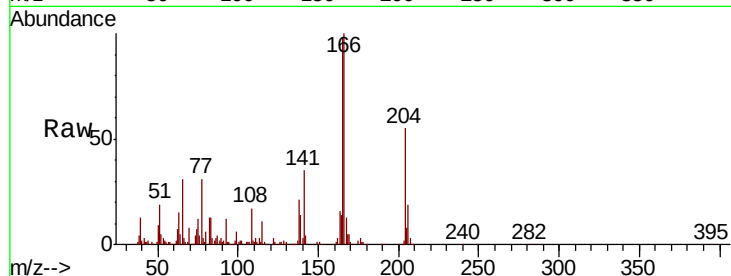
#61
4-Chlorophenyl-phenylether
Concen: 9.452 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.1	27.1	40.7
141	63.8	49.8	74.8

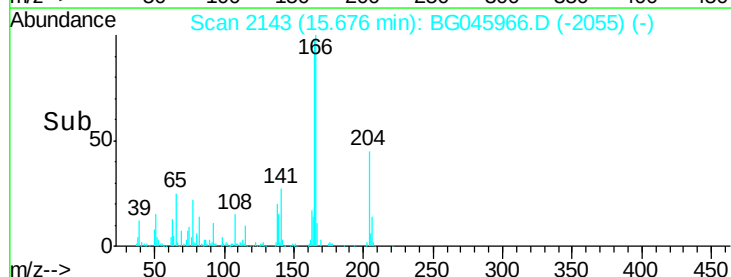
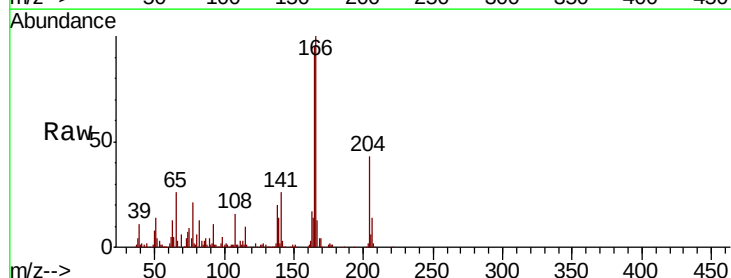
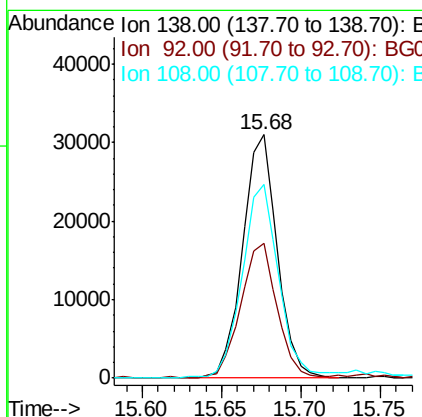
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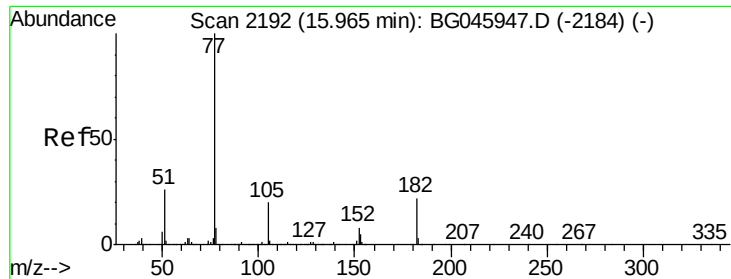
mohammad
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#62
4-Nitroaniline
Concen: 9.881 ng
RT: 15.68 min Scan# 2143
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
138	100		
92	55.3	40.3	80.3
108	79.4	68.0	108.0





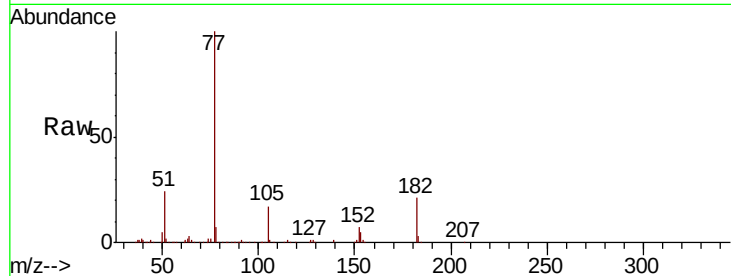
#63
Azobenzene
Concen: 10.165 ng
RT: 15.96 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

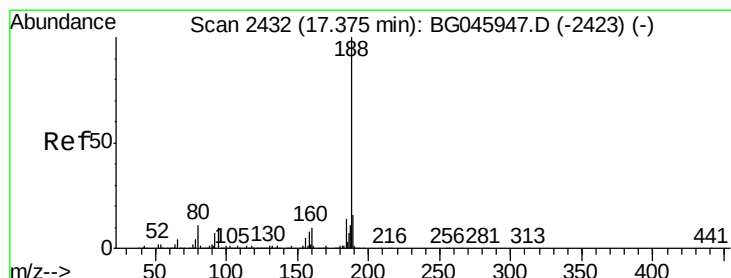
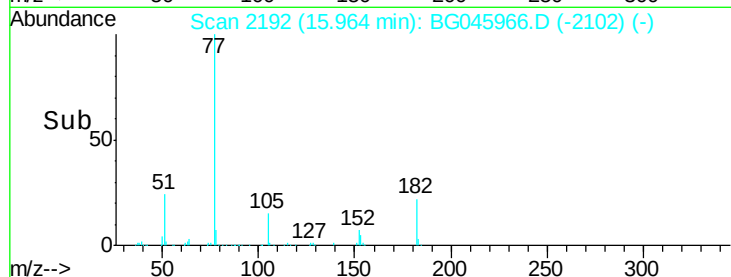
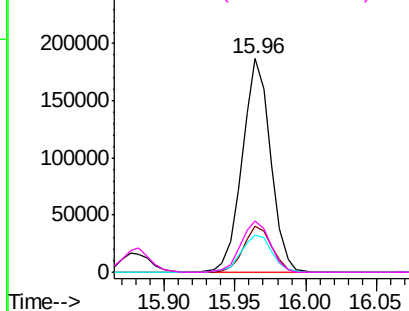
Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	21.3		2.4	42.4	
105	17.3		0.3	40.3	
51	24.3		6.3	46.3	

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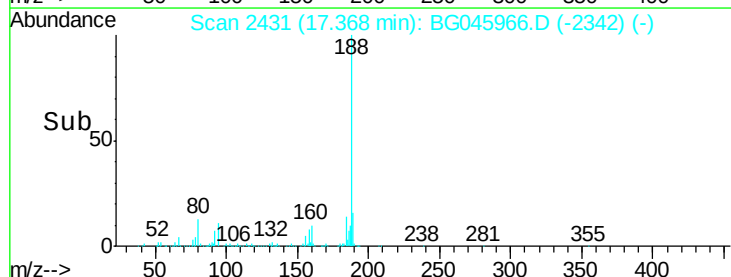
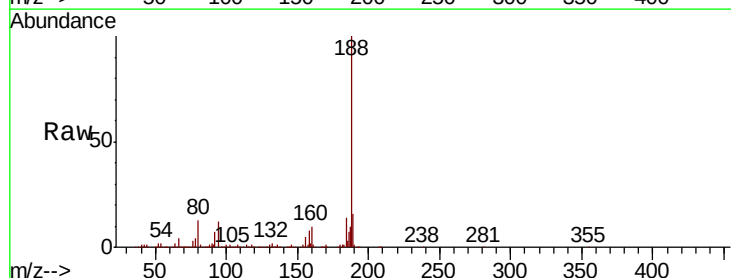
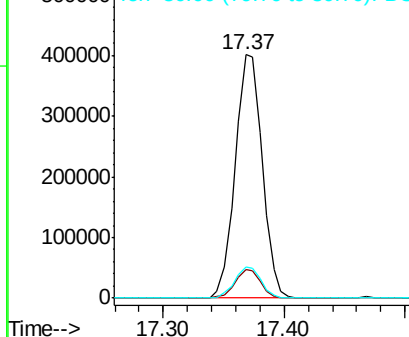
Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

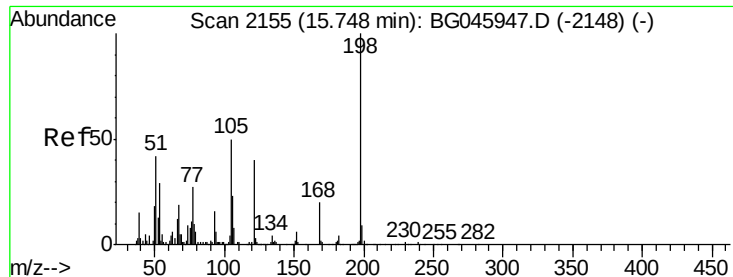


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	11.5		8.2	12.4	
80	12.6		9.0	13.6	

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





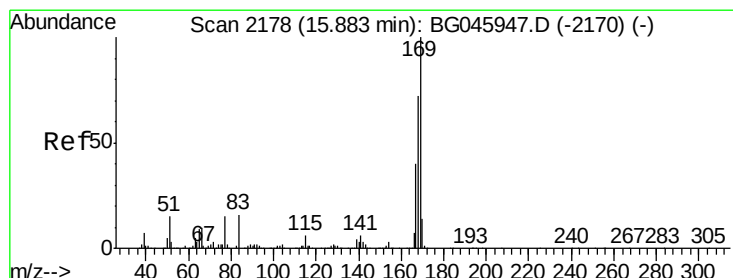
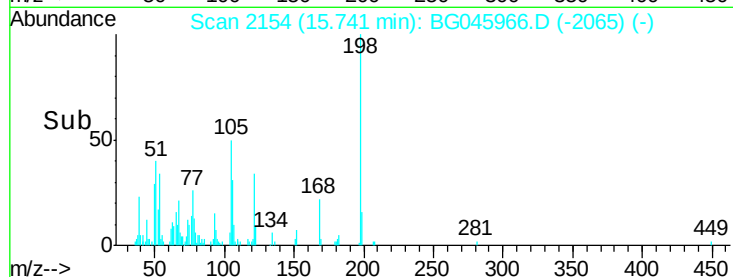
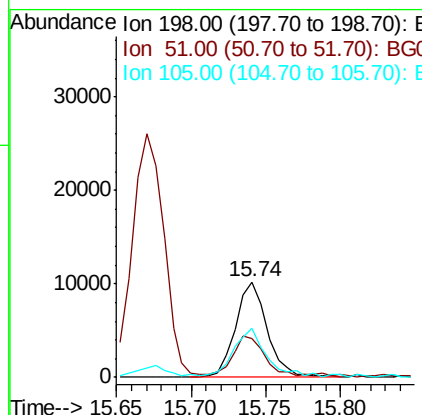
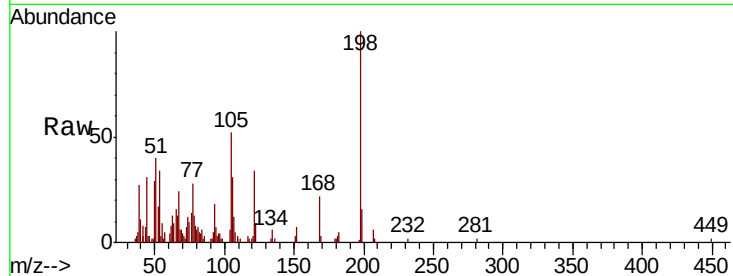
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.241 ng
 RT: 15.74 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Lower	Upper
198	100		
51	40.3	24.5	64.5
105	51.6	30.9	70.9

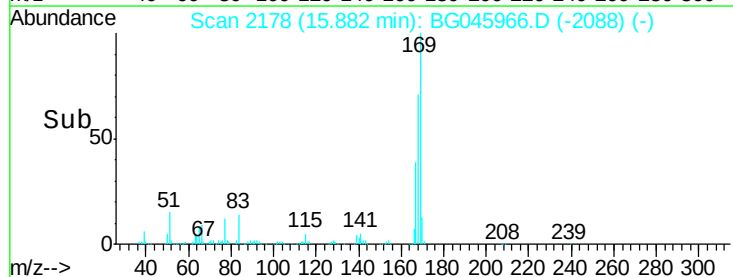
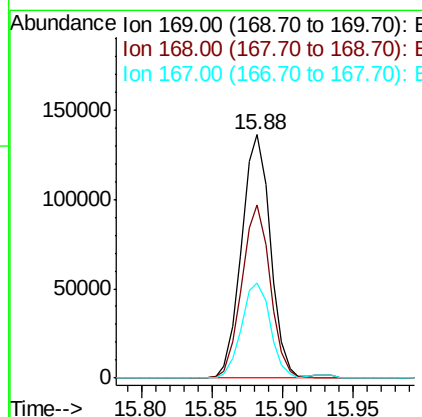
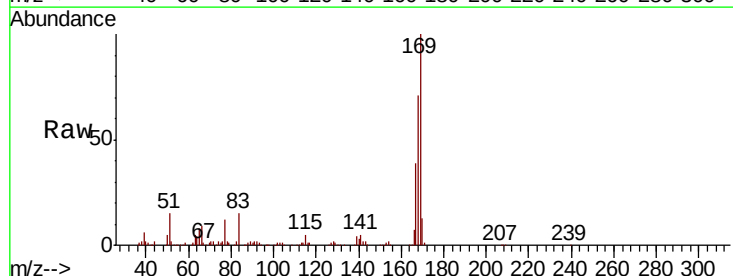
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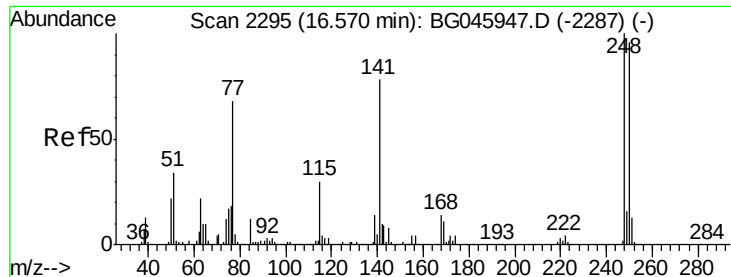
mohammad
 7/9/2020 10:55:38 AM



#66
 n-Nitrosodiphenylamine
 Concen: 10.007 ng
 RT: 15.88 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
169	100		
168	71.1	57.3	85.9
167	39.3	32.1	48.1





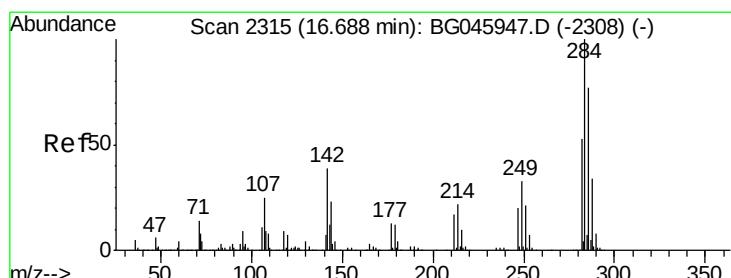
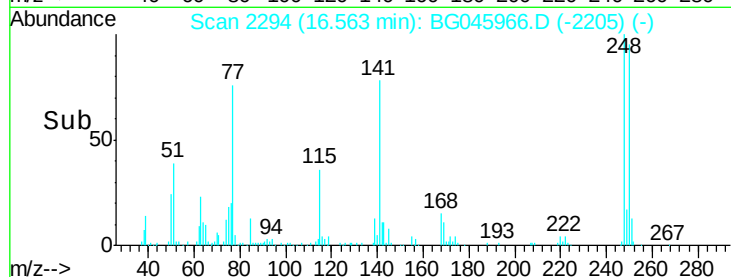
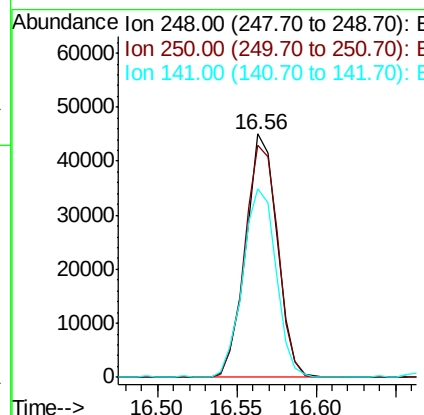
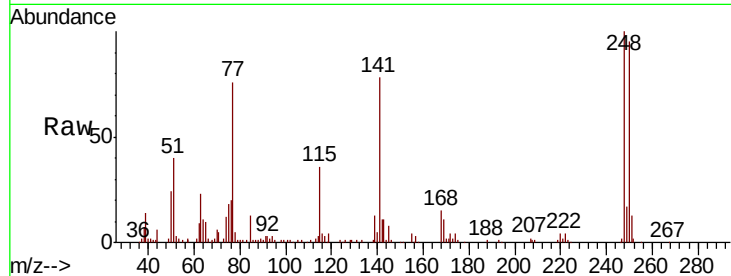
#67
4-Bromophenyl-phenylether
Concen: 8.884 ng
RT: 16.56 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.2	76.6	114.8
141	77.6	62.7	94.1

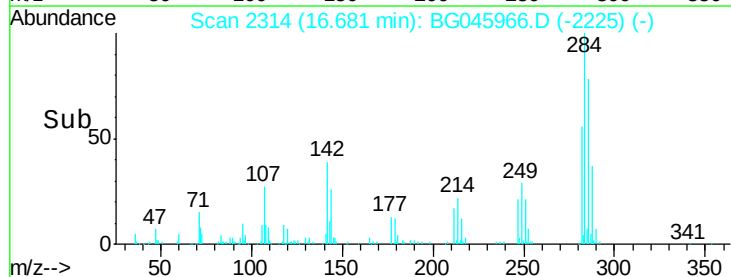
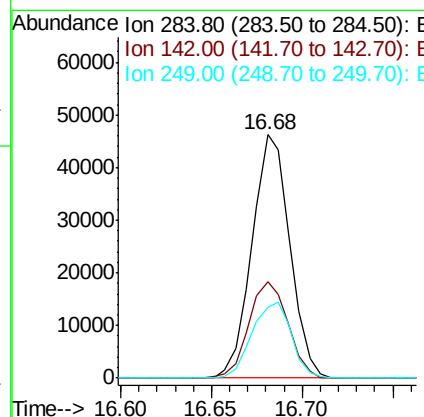
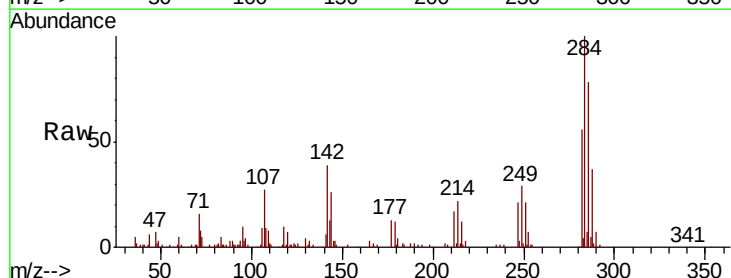
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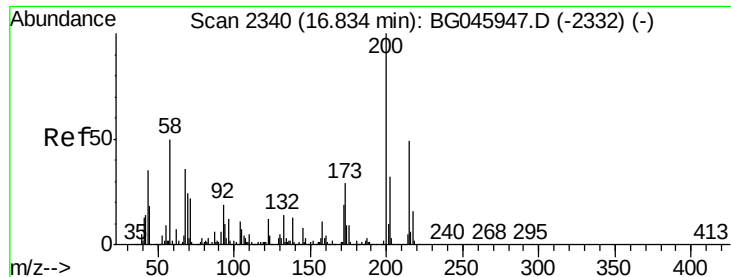
mohammad
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#68
Hexachlorobenzene
Concen: 9.599 ng
RT: 16.68 min Scan# 2314
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
284	100		
142	39.4	31.3	46.9
249	28.8	26.8	40.2





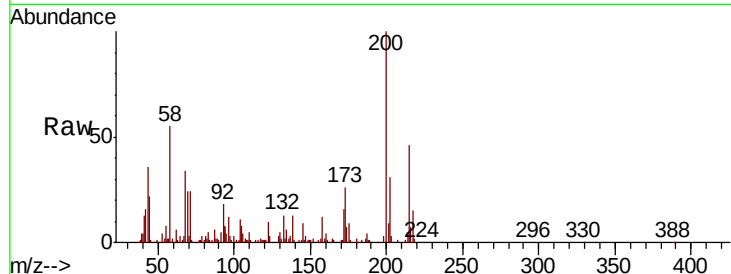
#69
 Atrazine
 Concen: 11.353 ng
 RT: 16.83 min Scan# 2339
 Delta R.T. -0.01 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

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

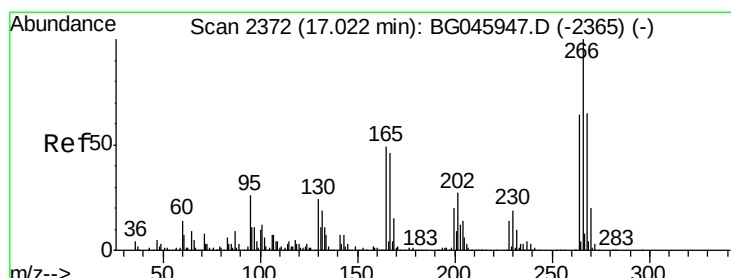
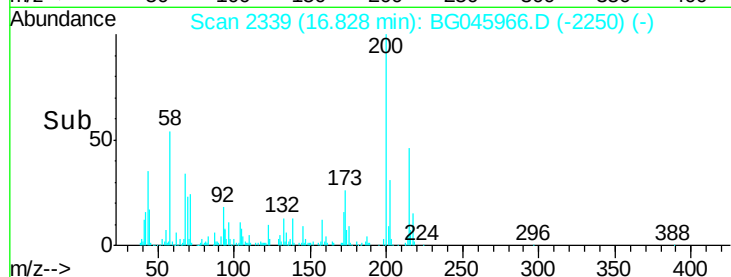
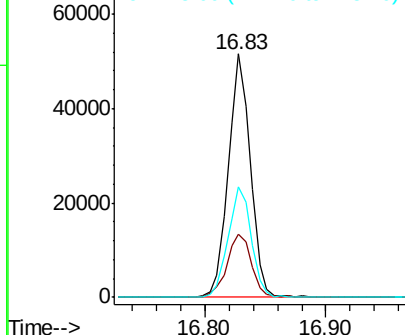
Tot Ion	Ratio	Lower	Upper
200	100		
173	25.7	9.1	49.1
215	45.6	28.8	68.8

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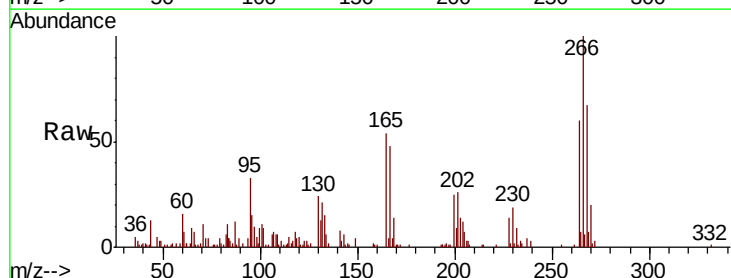


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

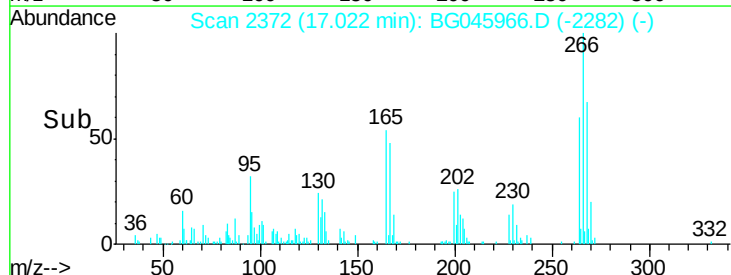
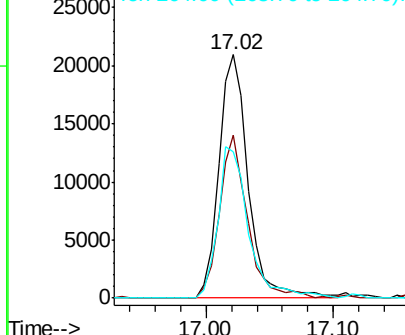


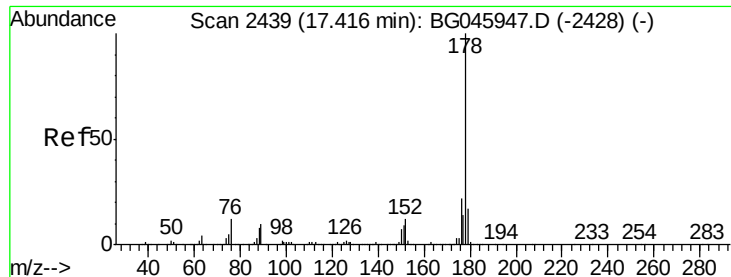
#70
 Pentachlorophenol
 Concen: 8.572 ng
 RT: 17.02 min Scan# 2372
 Delta R.T. -0.00 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
266	100		
268	67.1	51.8	77.8
264	60.1	51.4	77.0



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E





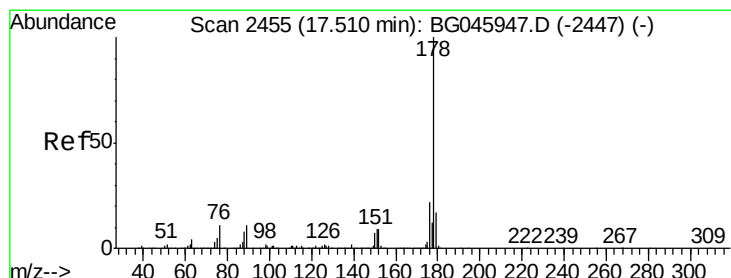
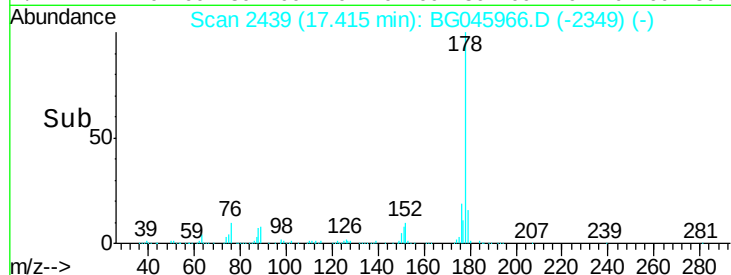
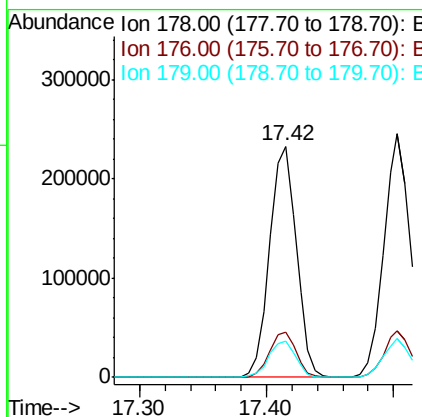
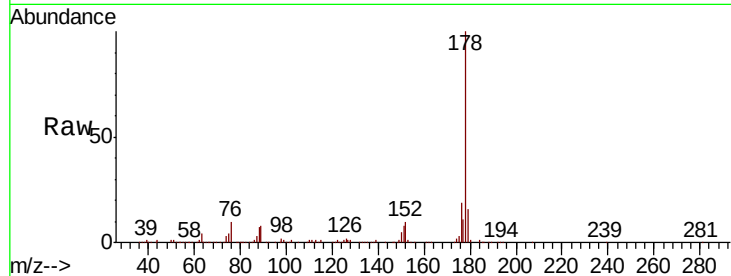
#71
Phenanthrene
Concen: 10.330 ng
RT: 17.42 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	17.4	26.2
179	15.6	13.4	20.2

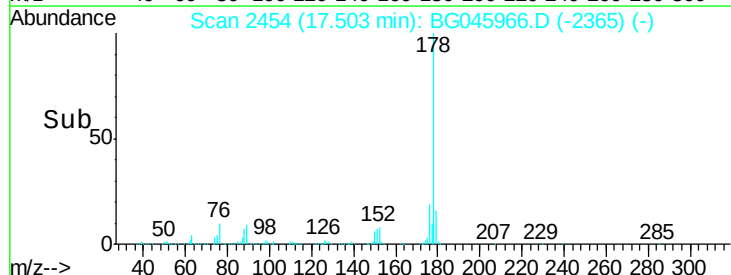
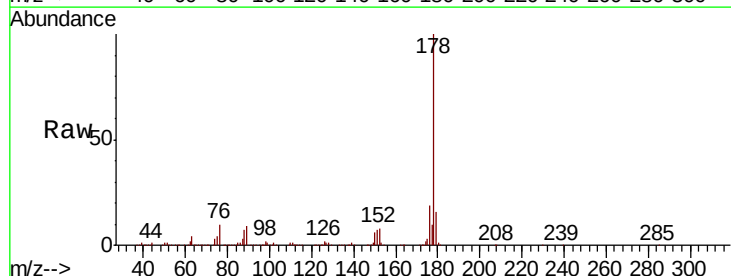
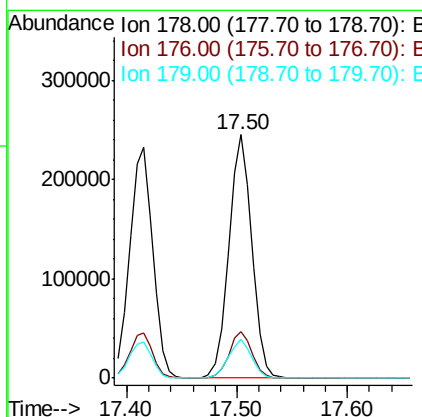
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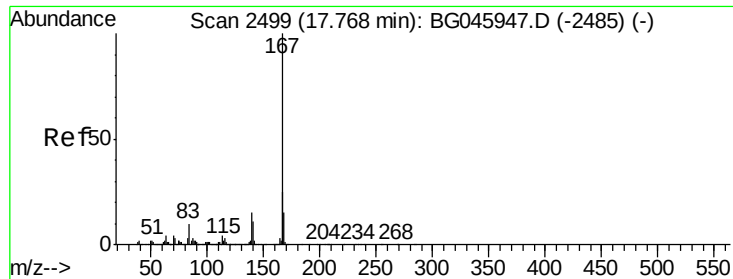
mohammad
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#72
Anthracene
Concen: 10.612 ng
RT: 17.50 min Scan# 2454
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	17.2	25.8
179	15.7	14.0	21.0





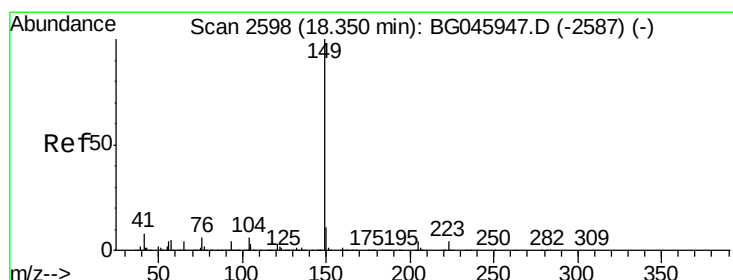
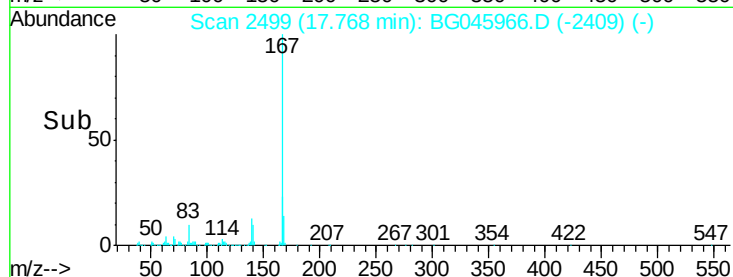
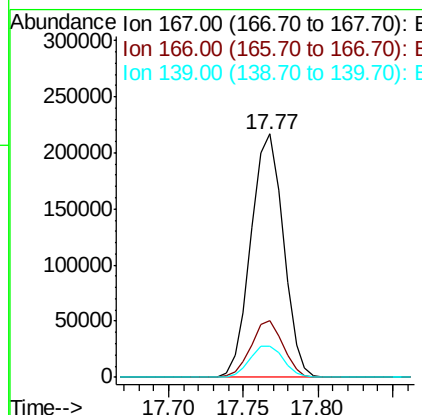
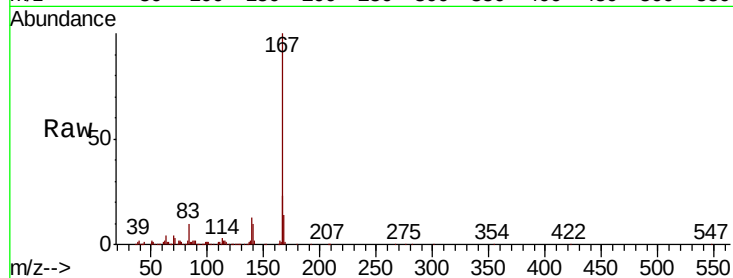
#73
 Carbazole
 Concen: 9.662 ng
 RT: 17.77 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.4	20.4	30.6
139	12.9	11.8	17.8

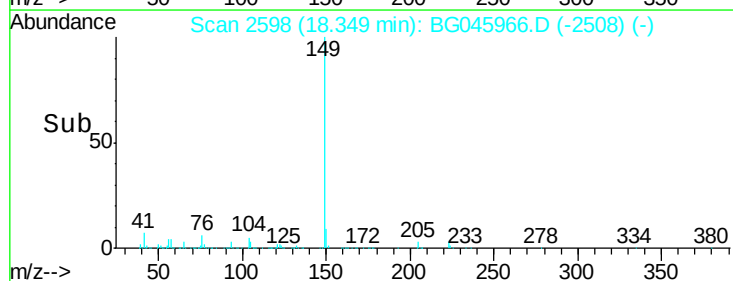
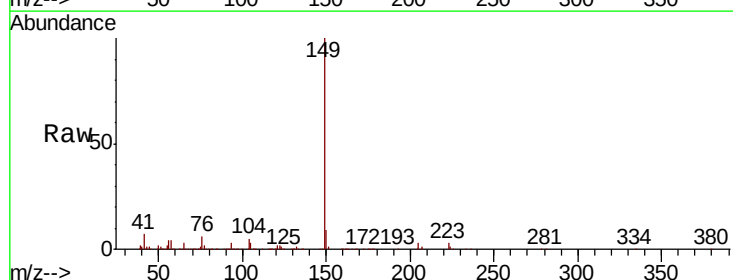
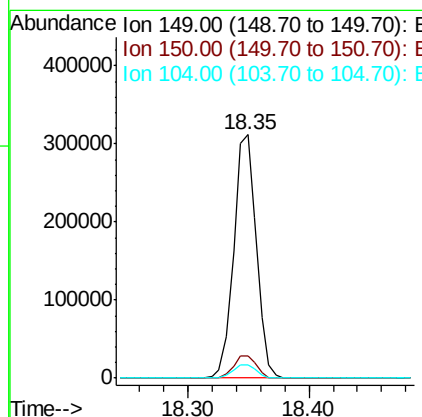
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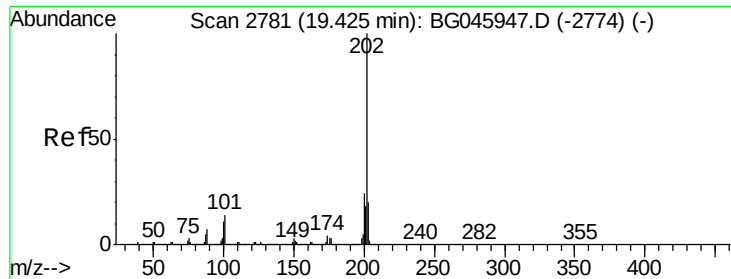
mohammad
 7/9/2020 10:55:38 AM



#74
 Di-n-butylphthalate
 Concen: 9.933 ng
 RT: 18.35 min Scan# 2598
 Delta R.T. -0.00 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.2	9.0	13.4
104	5.5	5.2	7.8





#75

Fluoranthene

Concen: 10.358 ng

RT: 19.42 min Scan# 2780

Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

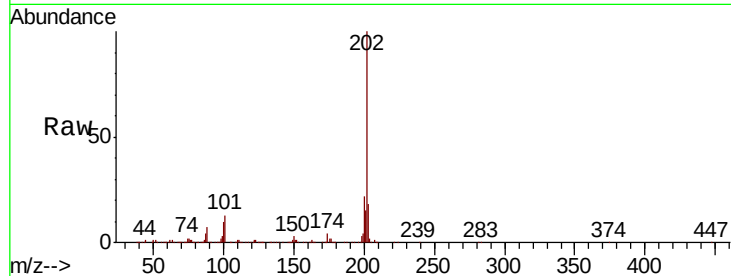
ClientSampleId :

LOQ-SOIL-02-QT3-2020

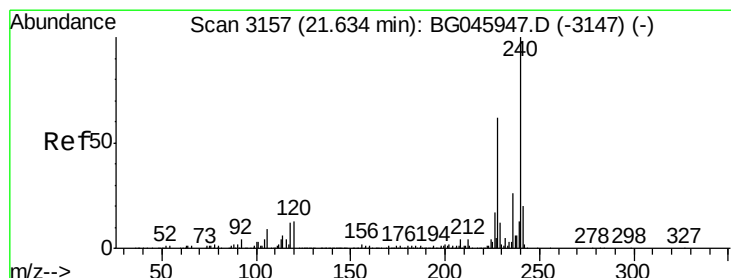
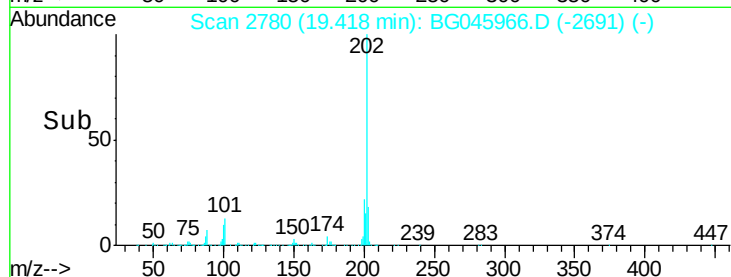
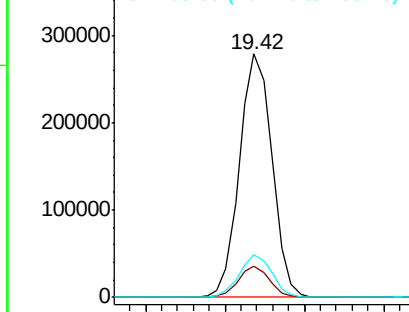
Tot Ion	Ratio	Resp	Lower	Upper
202	100	397238		
101	12.9	0.0	33.8	
203	17.7	0.4	40.4	

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



#76

Chrysene-d12

Concen: 20.000 ng

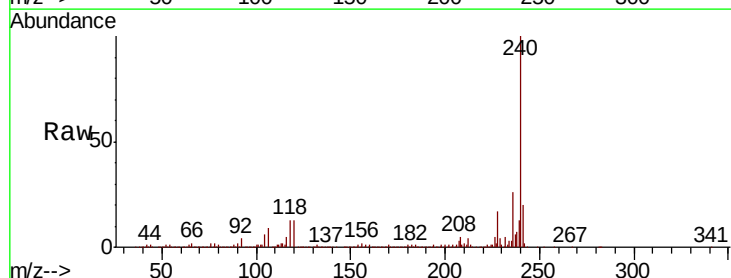
RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

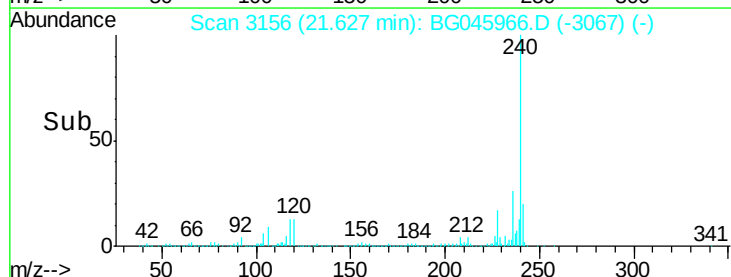
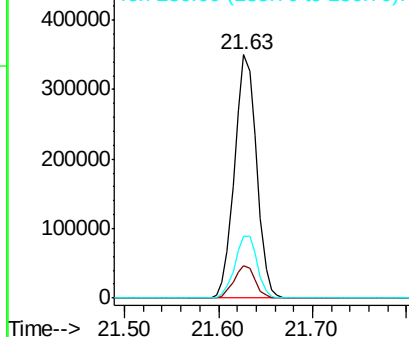
Lab File: BG045966.D

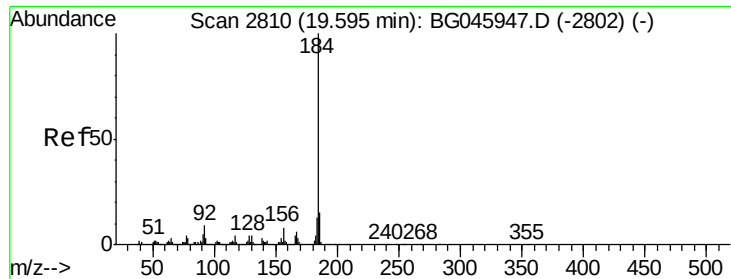
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	568932		
120	13.5	10.6	16.0	
236	25.6	20.4	30.6	



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





#77

Benzidine

Concen: 12.885 ng

RT: 19.59 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

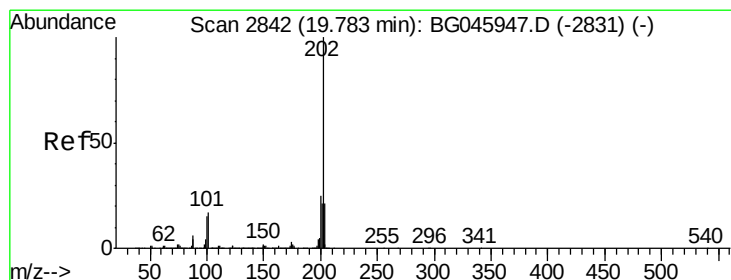
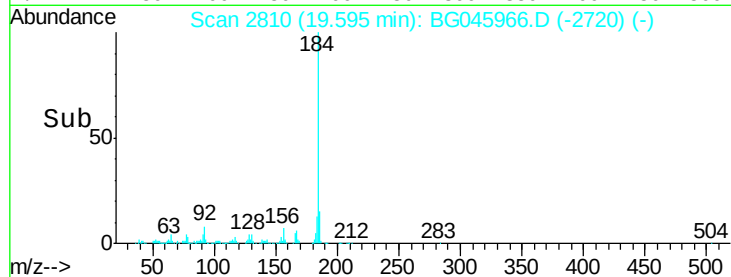
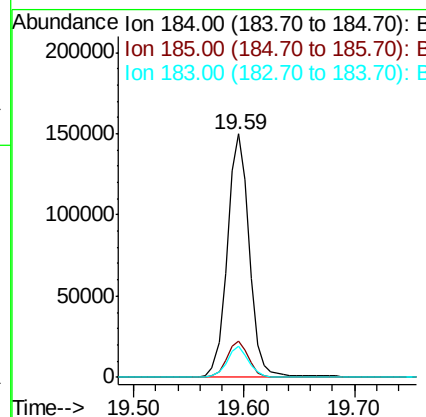
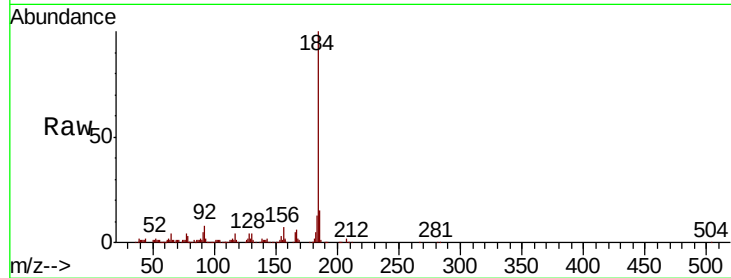
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	184	Resp:	209606
Ion Ratio	Lower	Upper	
184	100		
185	14.8	11.6	17.4
183	12.9	10.4	15.6

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#78

Pyrene

Concen: 10.579 ng

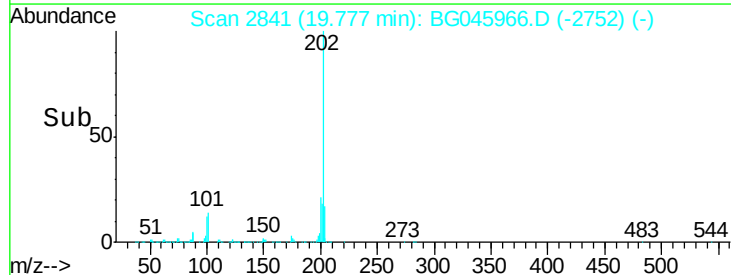
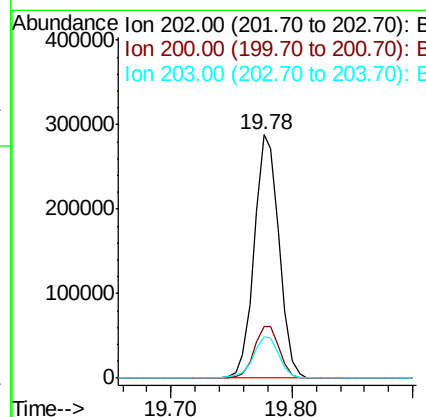
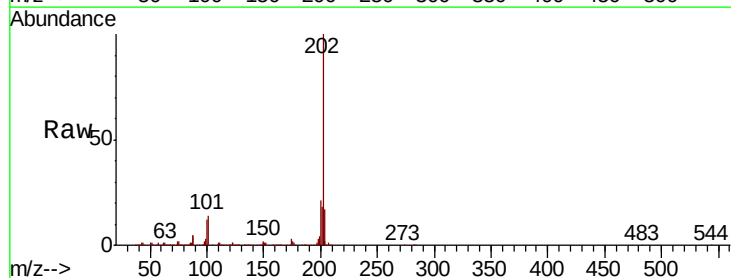
RT: 19.78 min Scan# 2841

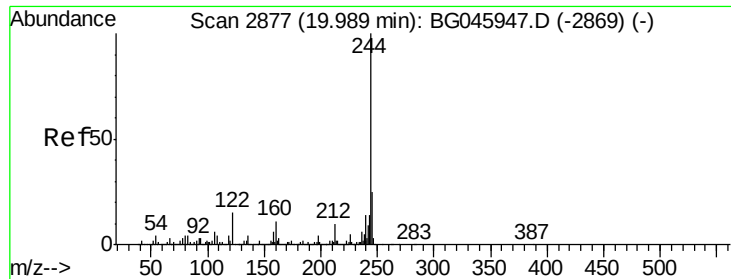
Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Tgt Ion:	202	Resp:	410842
Ion Ratio	Lower	Upper	
202	100		
200	21.0	20.1	30.1
203	17.2	16.5	24.7





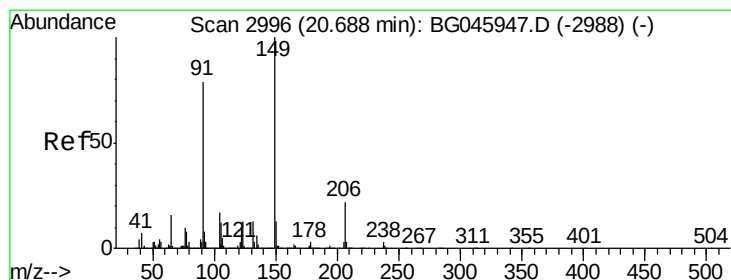
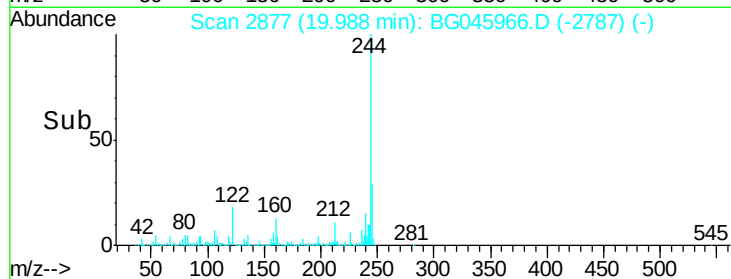
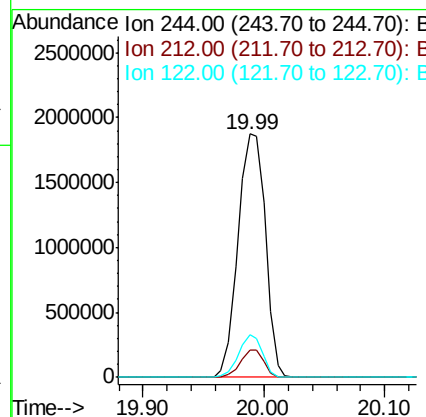
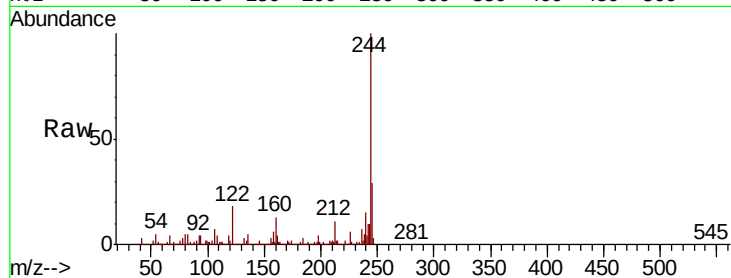
#79
 Terphenyl-d14
 Concen: 116.118 ng
 RT: 19.99 min Scan# 2877
 Delta R.T. -0.00 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	11.4	8.3	12.5
122	17.7	12.1	18.1

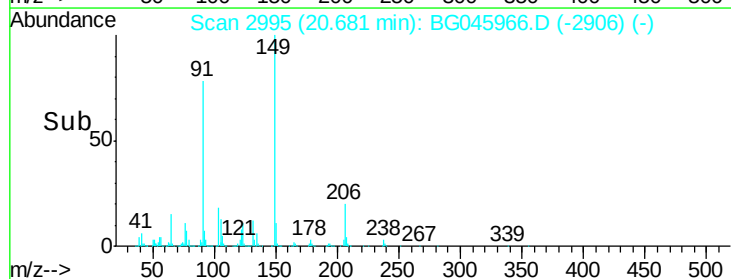
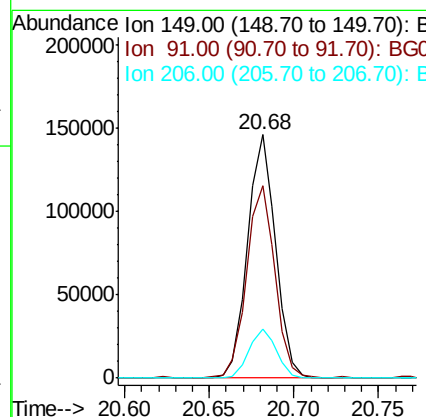
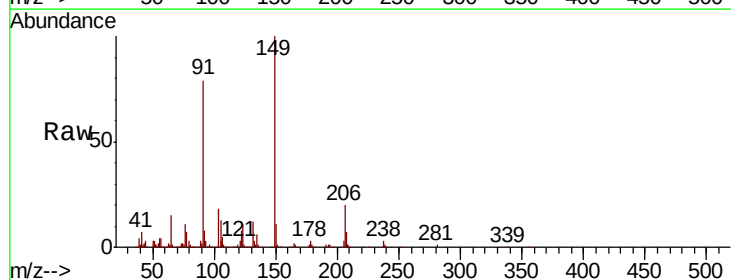
Manual Integrations
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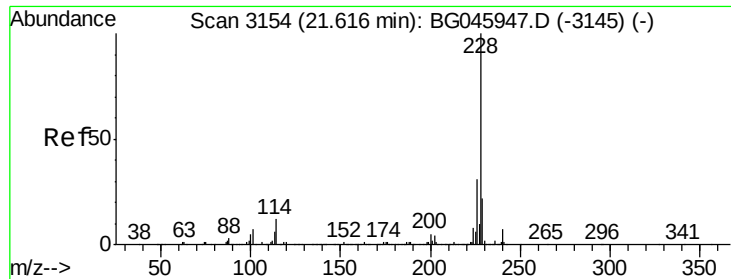
mohammad
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#80
 Butylbenzylphthalate
 Concen: 9.154 ng
 RT: 20.68 min Scan# 2995
 Delta R.T. -0.01 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
149	100		
91	78.8	63.1	94.7
206	20.0	17.4	26.0





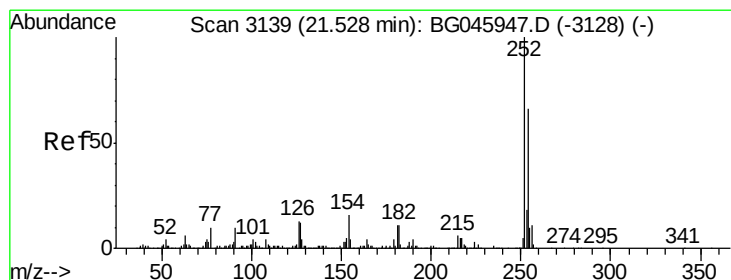
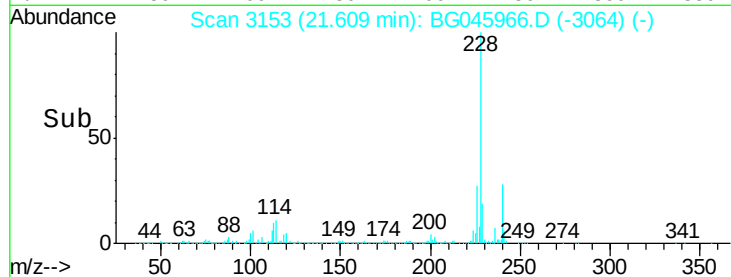
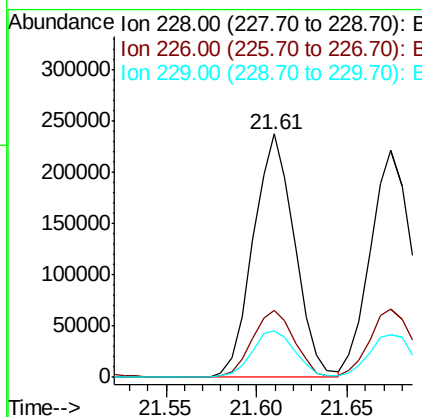
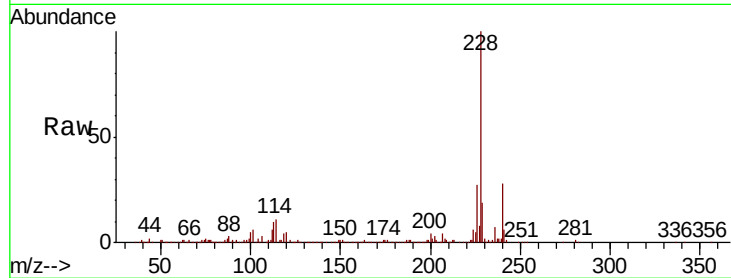
#81
Benzo(a)anthracene
Concen: 10.053 ng
RT: 21.61 min Scan# 3153
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.4	24.8	37.2
229	18.9	17.8	26.8

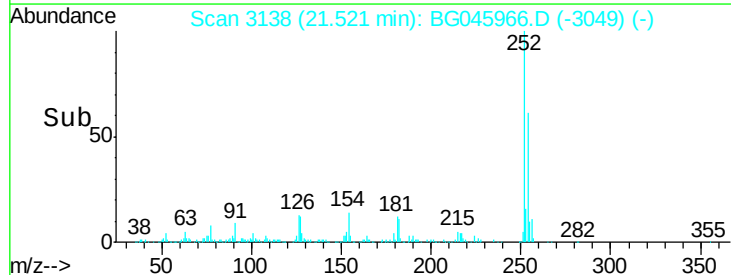
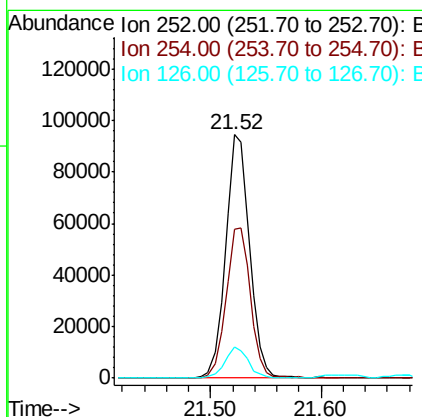
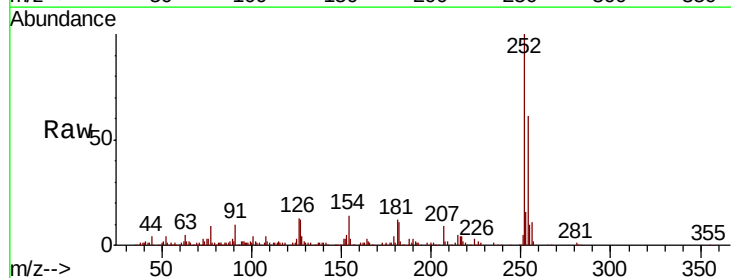
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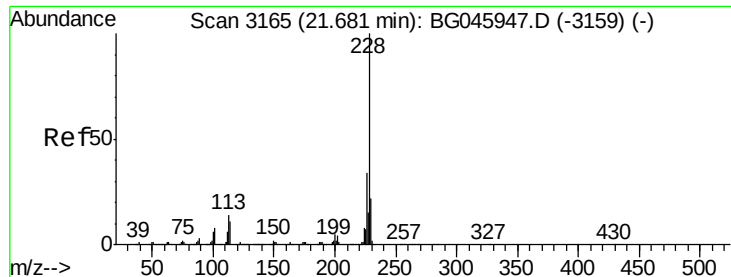
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 10.384 ng
RT: 21.52 min Scan# 3138
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
252	100		
254	61.0	52.9	79.3
126	12.6	10.4	15.6





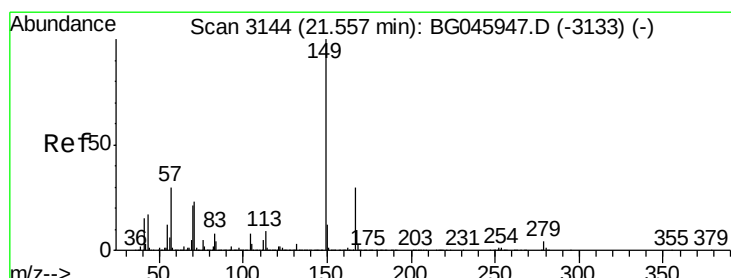
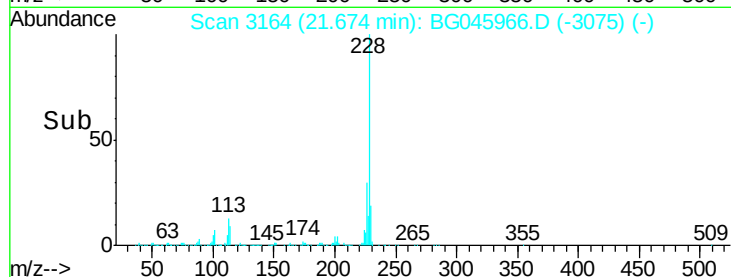
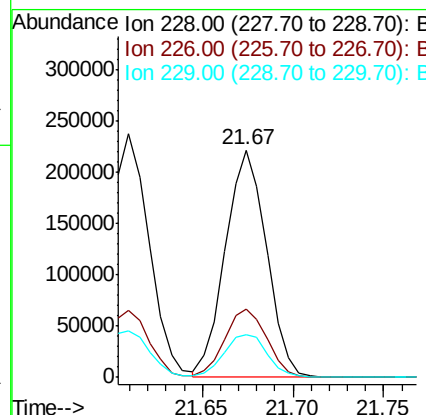
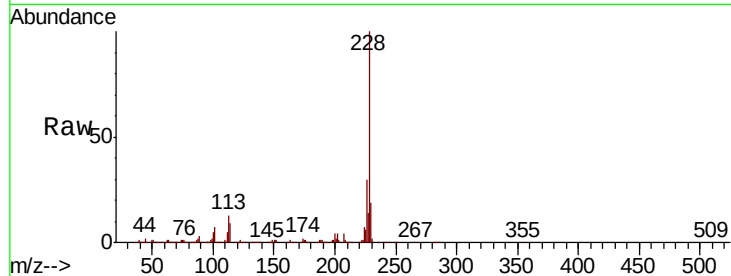
#83
Chrysene
Concen: 9.813 ng
RT: 21.67 min Scan# 3164
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	26.7	40.1
229	18.8	17.3	25.9

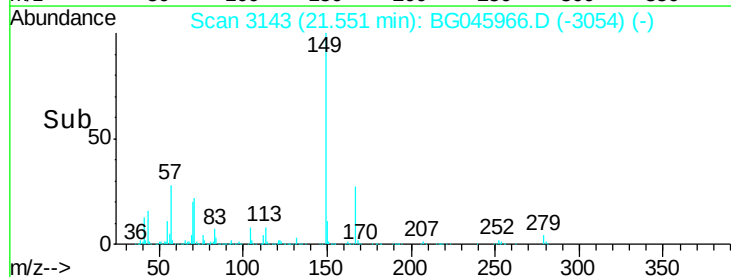
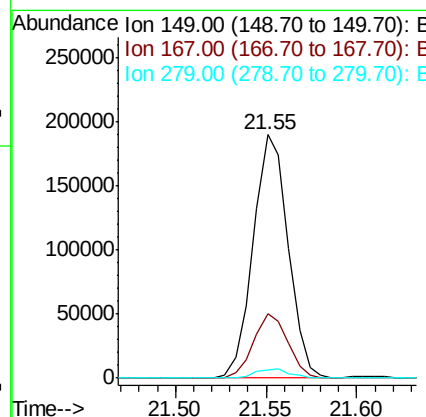
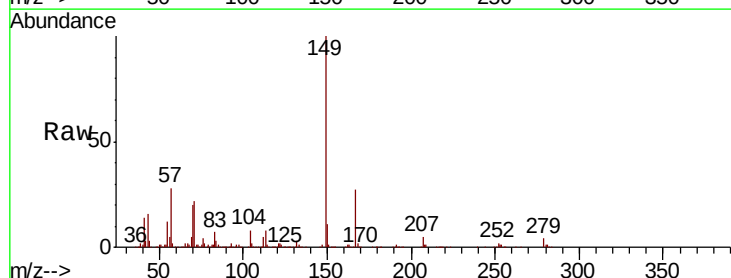
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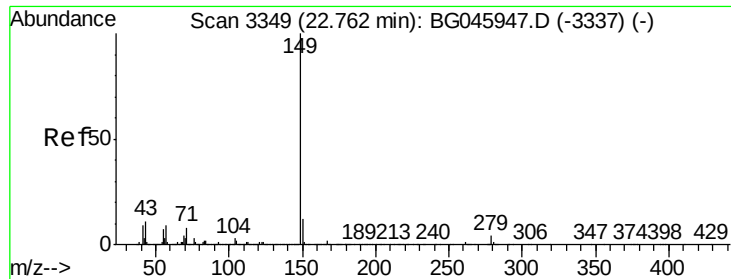
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 9.562 ng
RT: 21.55 min Scan# 3143
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.5	23.8	35.8
279	3.5	3.5	5.3#





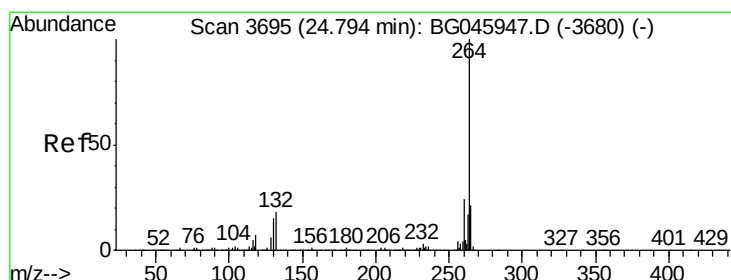
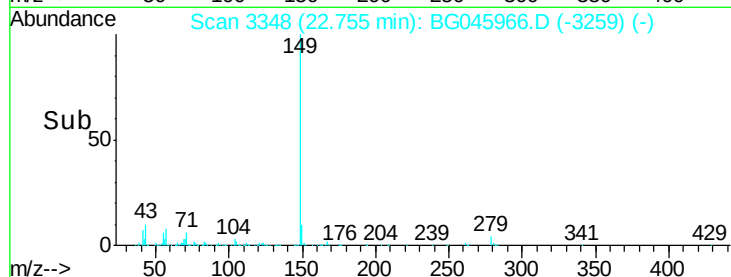
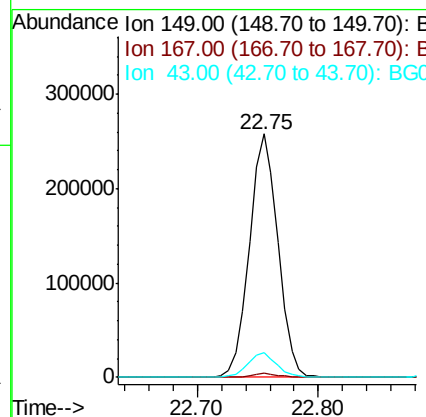
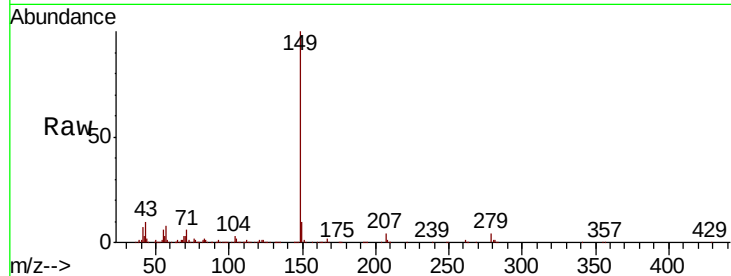
#85
Di-n-octyl phthalate
Concen: 9.163 ng
RT: 22.75 min Scan# 3348
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Resp	Lower	Upper
149	100	423588		
167	1.6		1.4	2.0
43	9.8		8.6	12.8

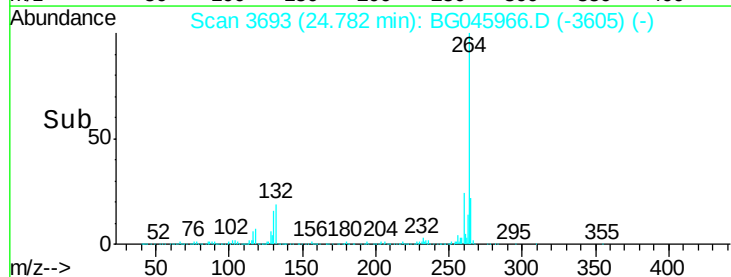
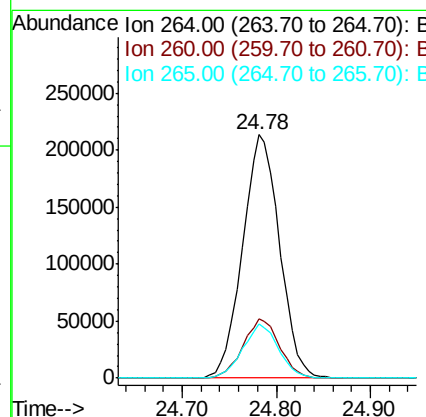
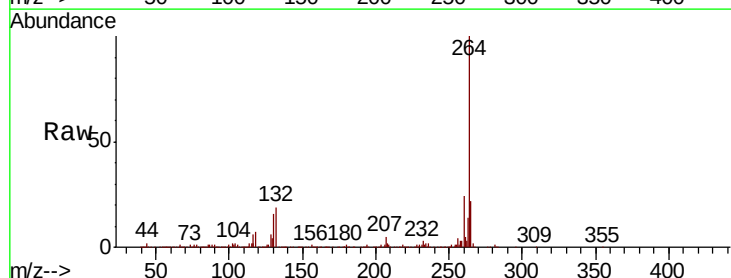
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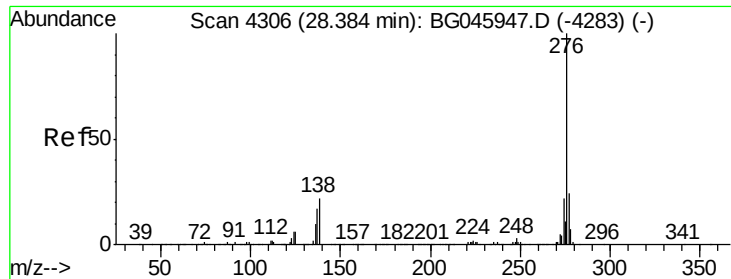
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 24.78 min Scan# 3693
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	579742		
260	24.2		19.0	28.6
265	22.4		16.9	25.3





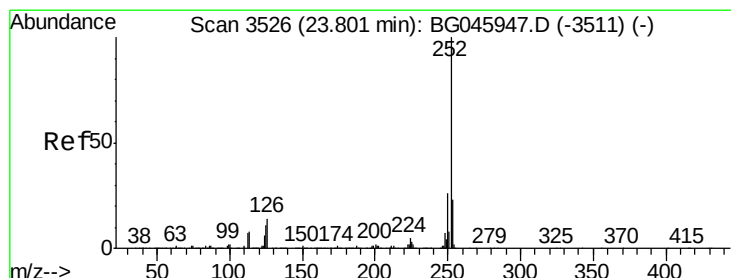
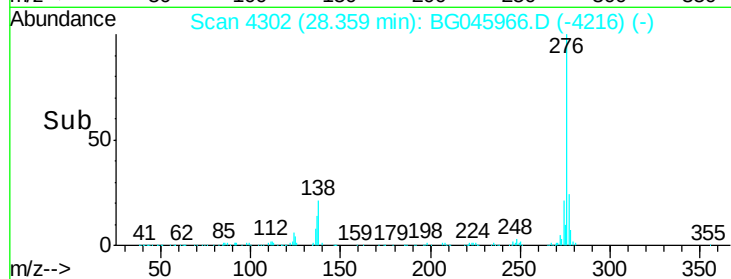
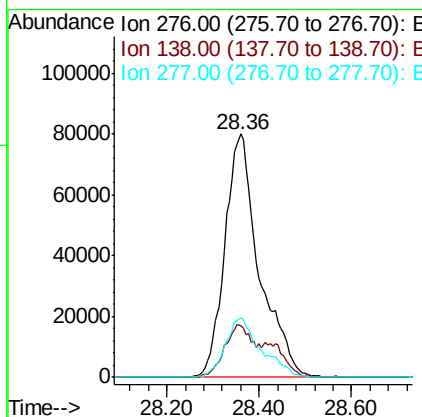
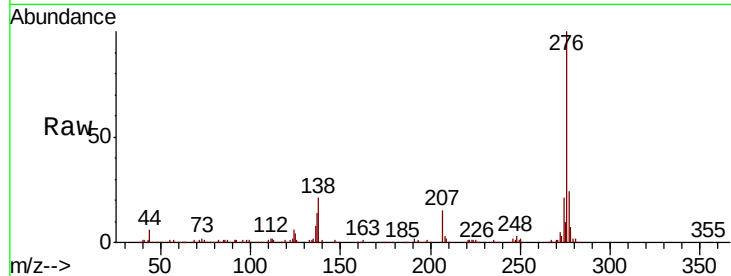
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.739 ng
 RT: 28.36 min Scan# 4302
 Delta R.T. -0.02 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.9	16.4	24.6
277	25.3	20.6	31.0

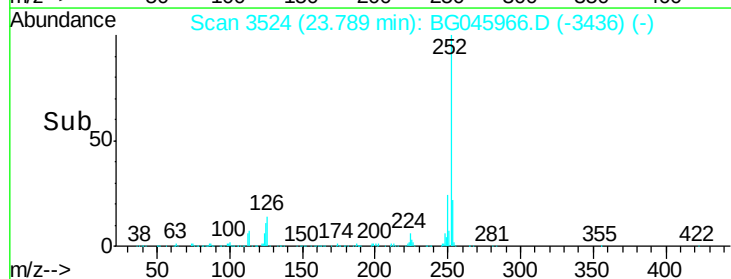
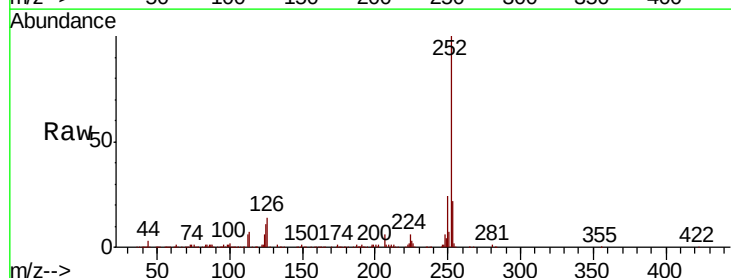
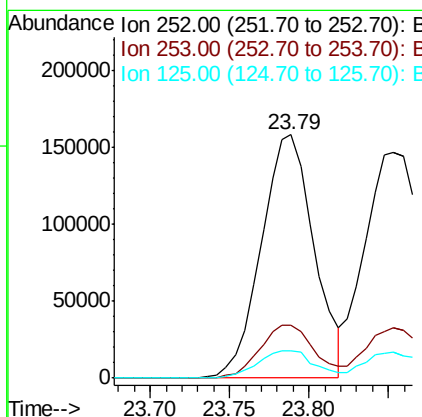
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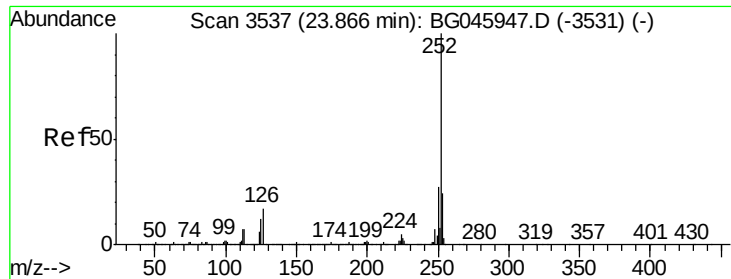
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 9.950 ng
 RT: 23.79 min Scan# 3524
 Delta R.T. -0.01 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.5	27.7
125	11.4	9.2	13.8





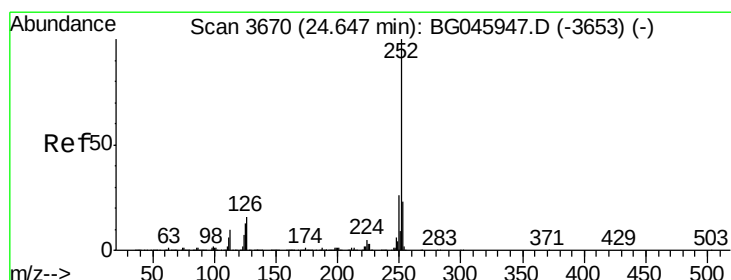
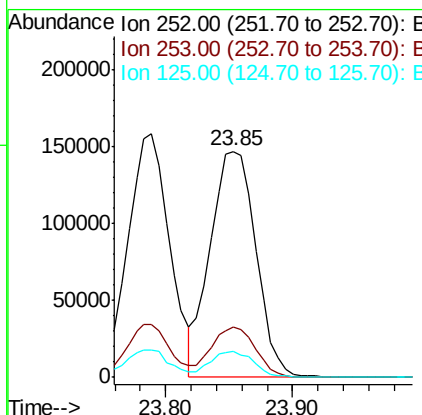
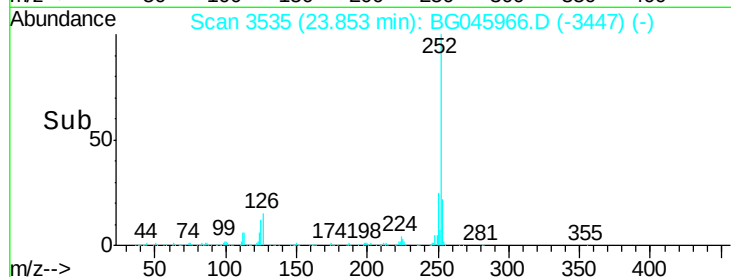
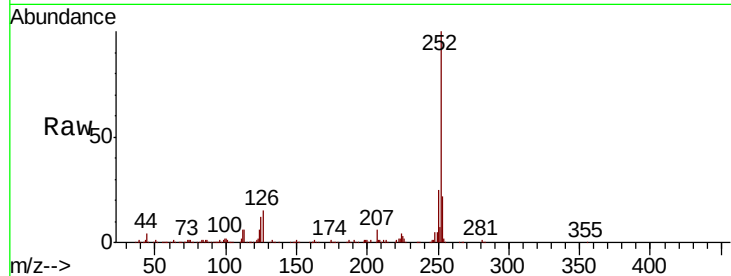
#89
Benzo(k)fluoranthene
Concen: 10.538 ng
RT: 23.85 min Scan# 3535
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.9	28.3
125	11.7	9.6	14.4

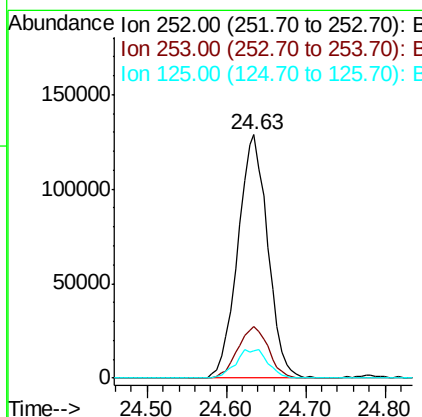
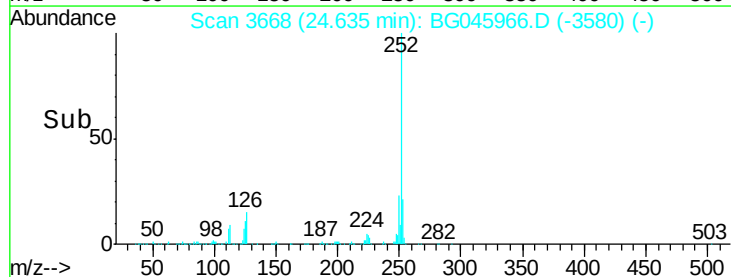
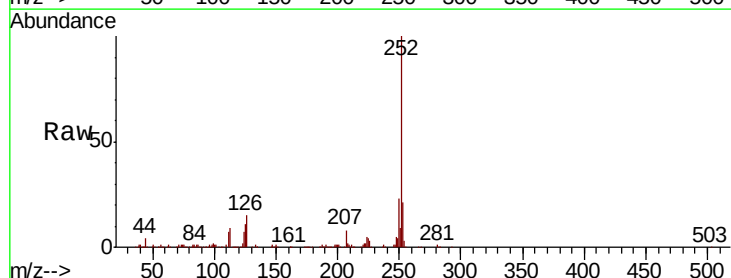
Manual Integrations
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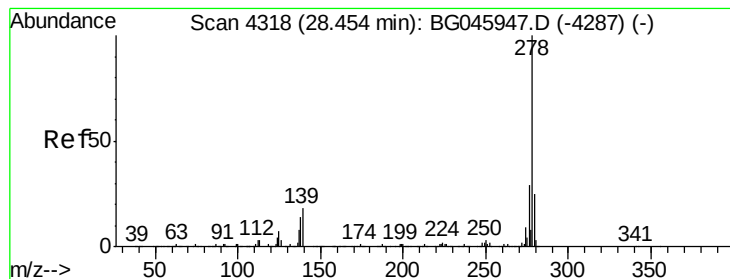
mohammad
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#90
Benzo(a)pyrene
Concen: 9.721 ng
RT: 24.63 min Scan# 3668
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.6	28.0
125	11.0	10.5	15.7





#91

Dibenzo(a,h)anthracene

Concen: 10.054 ng

RT: 28.43 min Scan# 4314

Delta R.T. -0.02 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:278 Resp: 343938

Ion Ratio Lower Upper

278 100

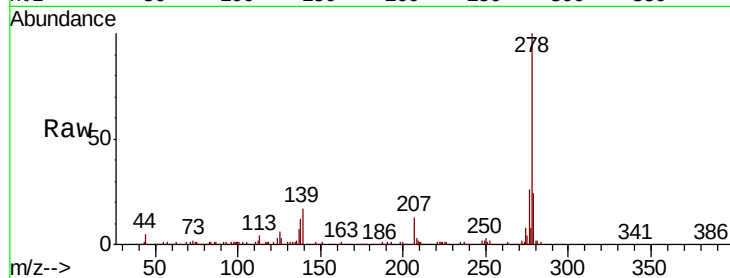
139 17.1 14.3 21.5

279 24.1 19.8 29.6

Manual Integrations
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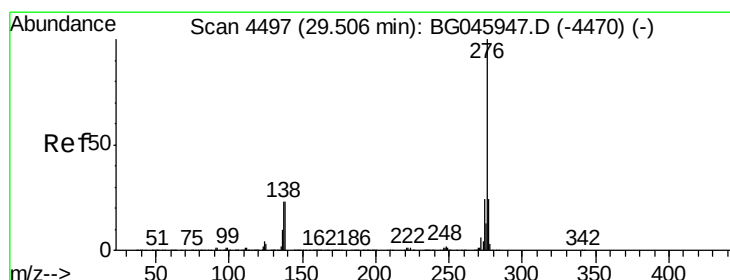
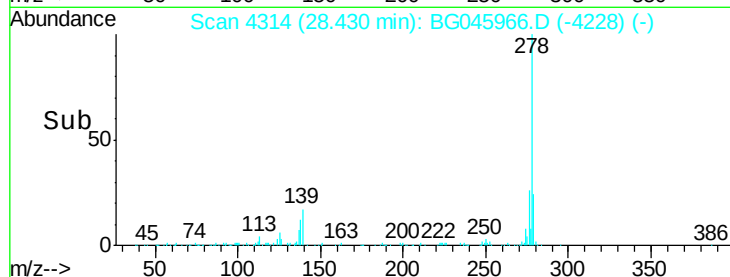
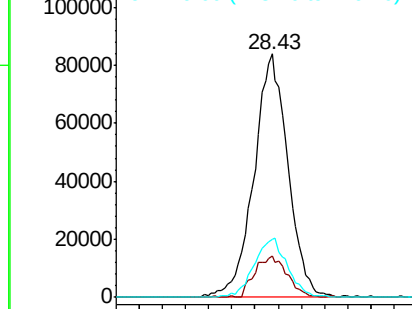


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 9.996 ng

RT: 29.46 min Scan# 4490

Delta R.T. -0.04 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

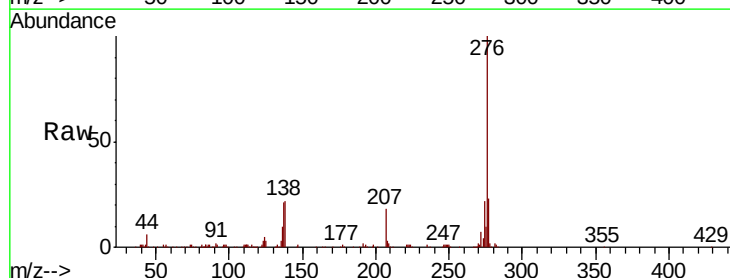
Tgt Ion:276 Resp: 344109

Ion Ratio Lower Upper

276 100

277 23.1 19.4 29.0

138 22.3 18.6 28.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

