

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070720\
 Data File : BG045964.D
 Acq On : 7 Jul 2020 18:00
 Operator : CG/JU
 Sample : L3216-01
 Misc : LOD-MDL-SOIL-5PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations
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mohammad
 7/9/2020 10:55:26 AM

Quant Time: Jul 07 18:53:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 18:09:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	117949	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	466302	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	284055	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	567035	20.00	ng	0.00
76) Chrysene-d12	21.63	240	540373	20.00	ng	0.00
86) Perylene-d12	24.78	264	548582	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	1161868	159.74	ng	0.00
7) Phenol-d6	7.17	99	1614160	154.15	ng	0.00
23) Nitrobenzene-d5	9.16	82	1308435	161.51	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	459828	174.42	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	2445288	134.28	ng	0.00
79) Terphenyl-d14	19.99	244	2890628	119.05	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	18704	5.574	ng	91
3) Pyridine	3.91	79	42746	4.213	ng	# 95
4) n-Nitrosodimethylamine	3.82	42	17954	5.233	ng	# 90
6) Aniline	7.33	93	66421	4.958	ng	94
8) 2-Chlorophenol	7.57	128	37585	4.800	ng	96
9) Benzaldehyde	7.14	77	45624	6.877	ng	96
10) Phenol	7.19	94	52028	4.953	ng	92
11) bis(2-Chloroethyl)ether	7.43	93	42527	4.896	ng	100
12) 1,3-Dichlorobenzene	7.90	146	42345	4.692	ng	99
13) 1,4-Dichlorobenzene	8.04	146	44168	4.975	ng	93
14) 1,2-Dichlorobenzene	8.37	146	39963	4.677	ng	98
15) Benzyl Alcohol	8.24	79	36929	4.498	ng	94
16) 2,2'-oxybis(1-Chloropropan	8.54	45	53359	4.708	ng	99
17) 2-Methylphenol	8.44	107	34250	4.345	ng	94
18) Hexachloroethane	9.09	117	16910	4.950	ng	95
19) n-Nitroso-di-n-propylamine	8.81	70	35635	4.844	ng	97
20) 3+4-Methylphenols	8.76	107	46087	4.290	ng	97
22) Acetophenone	8.82	105	68046	5.462	ng	99
24) Nitrobenzene	9.20	77	49607	5.548	ng	99
25) Isophorone	9.72	82	98785	4.995	ng	97
26) 2-Nitrophenol	9.92	139	13559	4.652	ng	94
27) 2,4-Dimethylphenol	9.98	122	36891	5.240	ng	98
28) bis(2-Chloroethoxy)methane	10.21	93	55698	5.015	ng	98
29) 2,4-Dichlorophenol	10.45	162	33502	4.597	ng	95
30) 1,2,4-Trichlorobenzene	10.67	180	39652	4.911	ng	95
31) Naphthalene	10.86	128	125230	5.010	ng	99
32) Benzoic acid	10.02	122	9783m	2.566	ng	
33) 4-Chloroaniline	10.95	127	52531	4.703	ng	93
34) Hexachlorobutadiene	11.16	225	21866	4.638	ng	95
35) Caprolactam	11.69	113	11906	4.303	ng	97
36) 4-Chloro-3-methylphenol	12.07	107	38278	4.612	ng	100
37) 2-Methylnaphthalene	12.46	142	90345	5.084	ng	97
38) 1-Methylnaphthalene	12.68	142	85922	5.124	ng	91
40) 1,2,4,5-Tetrachlorobenzene	12.82	216	42572	5.317	ng	98

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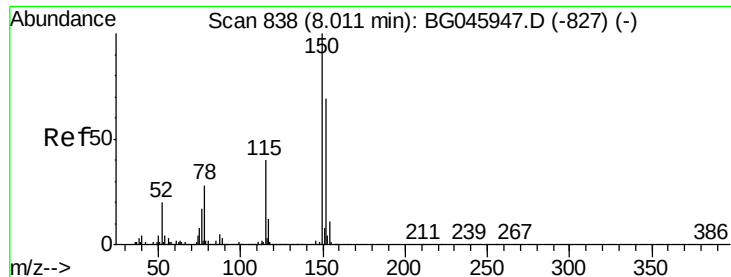
Manual Integrations
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.81	237	23432	4.932	nq	97
43) 2,4,6-Trichlorophenol	13.06	196	24509	4.526	nq	94
44) 2,4,5-Trichlorophenol	13.13	196	25896	4.229	nq	# 91
46) 1,1'-Biphenyl	13.46	154	121567	5.689	nq	93
47) 2-Chloronaphthalene	13.51	162	83366	4.945	nq	98
48) 2-Nitroaniline	13.69	65	18341	4.648	nq	96
49) Acenaphthylene	14.35	152	142711	5.246	nq	94
50) Dimethylphthalate	14.08	163	101052	4.740	nq	98
51) 2,6-Dinitrotoluene	14.19	165	15394	4.654	nq	96
52) Acenaphthene	14.69	154	84436	4.921	nq	96
53) 3-Nitroaniline	14.52	138	17106	4.173	nq	# 93
54) 2,4-Dinitrophenol	14.72	184	3363	2.882	nq	# 32
55) Dibenzofuran	15.03	168	130166	5.175	nq	96
56) 4-Nitrophenol	14.82	139	13509	3.890	nq	93
57) 2,4-Dinitrotoluene	14.97	165	17084	4.180	nq	97
58) Fluorene	15.67	166	105099	5.094	nq	94
59) 2,3,4,6-Tetrachlorophenol	15.25	232	21373m	4.521	nq	
60) Diethylphthalate	15.45	149	108807	4.867	nq	97
61) 4-Chlorophenyl-phenylether	15.67	204	48806	4.755	nq	96
62) 4-Nitroaniline	15.67	138	19100	4.335	nq	94
63) Azobenzene	15.97	77	123633	5.152	nq	97
65) 4,6-Dinitro-2-methylphenol	15.74	198	5773	3.476	nq	87
66) n-Nitrosodiphenylamine	15.88	169	88706	5.048	nq	96
67) 4-Bromophenyl-phenylether	16.57	248	30582	4.829	nq	93
68) Hexachlorobenzene	16.68	284	32149	5.059	nq	94
69) Atrazine	16.83	200	30230	5.819	nq	95
70) Pentachlorophenol	17.02	266	14104	3.992	nq	98
71) Phenanthrene	17.41	178	161027	5.372	nq	95
72) Anthracene	17.50	178	168902	5.552	nq	93
73) Carbazole	17.76	167	155375	5.095	nq	95
74) Di-n-butylphthalate	18.35	149	188898	5.126	nq	96
75) Fluoranthene	19.42	202	191564	5.528	nq	94
77) Benzidine	19.59	184	88885	5.753	nq	97
78) Pyrene	19.78	202	198048	5.369	nq	94
80) Butylbenzylphthalate	20.68	149	76815	4.407	nq	99
81) Benzo(a)anthracene	21.61	228	182090	5.125	nq	96
82) 3,3'-Dichlorobenzidine	21.52	252	65691	5.003	nq	95
83) Chrysene	21.67	228	173633	5.130	nq	96
84) Bis(2-ethylhexyl)phthalate	21.55	149	120035	4.744	nq	93
85) Di-n-octyl phthalate	22.75	149	199027	4.533	nq	98
87) Indeno(1,2,3-cd)pyrene	28.36	276	194842	4.855	nq	# 88
88) Benzo(b)fluoranthene	23.79	252	174005	4.997	nq	97
89) Benzo(k)fluoranthene	23.85	252	176357	5.356	nq	95
90) Benzo(a)pyrene	24.64	252	160848	4.912	nq	97
91) Dibenzo(a,h)anthracene	28.43	278	161943	5.003	nq	97
92) Benzo(g,h,i)perylene	29.45	276	162912	5.001	nq	94

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 837

Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

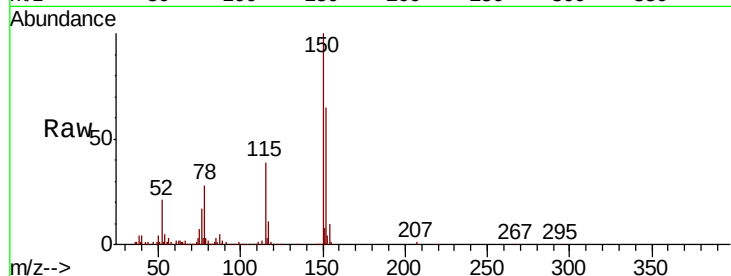
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	152	Resp:	117949
Ion	Ratio	Lower	Upper
152	100		
150	153.2	116.7	175.1
115	59.1	47.4	71.0

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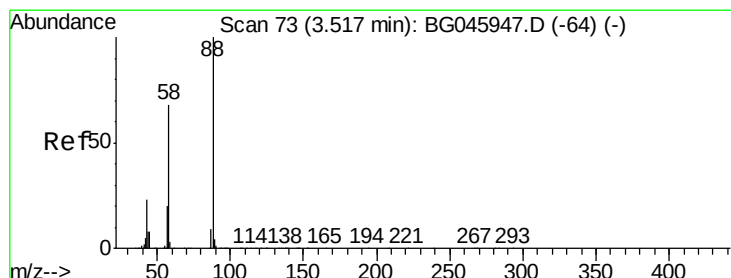
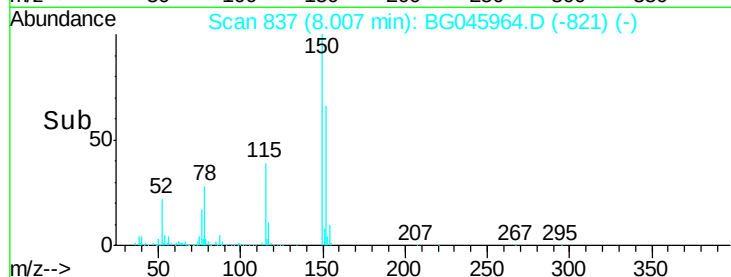
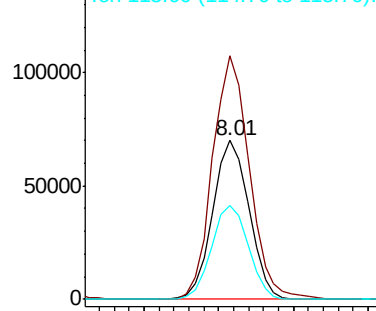


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 5.574 ng

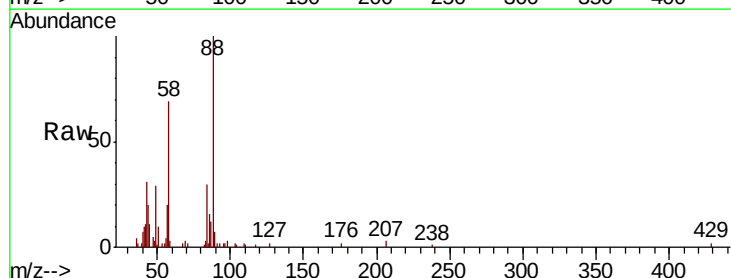
RT: 3.52 min Scan# 73

Delta R.T. 0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Tgt Ion:	88	Resp:	18704
Ion	Ratio	Lower	Upper
88	100		
58	77.3	55.2	82.8
43	27.5	19.4	29.0

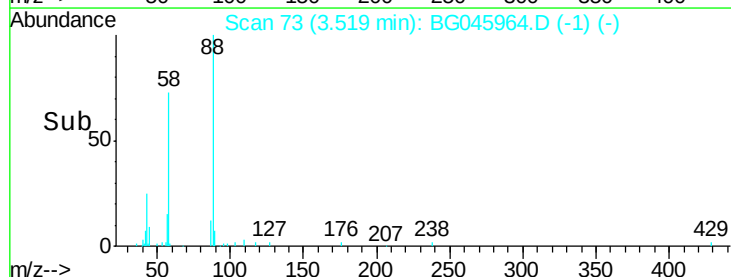
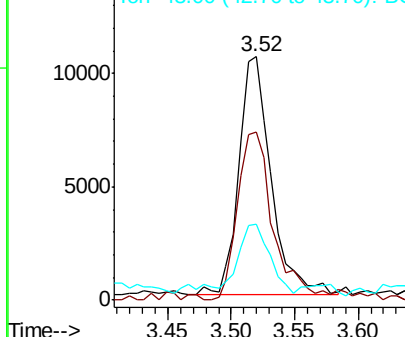


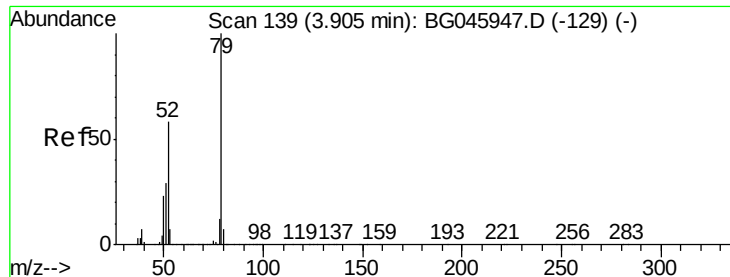
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 4.213 ng

RT: 3.91 min Scan# 139

Delta R.T. 0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

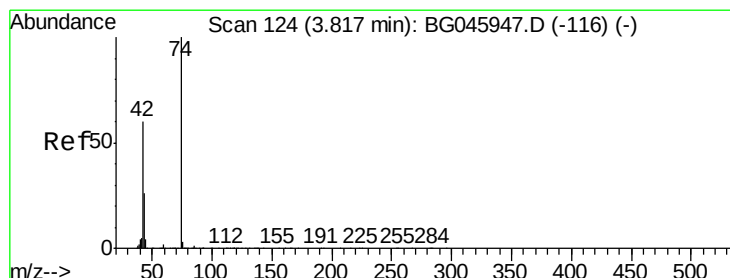
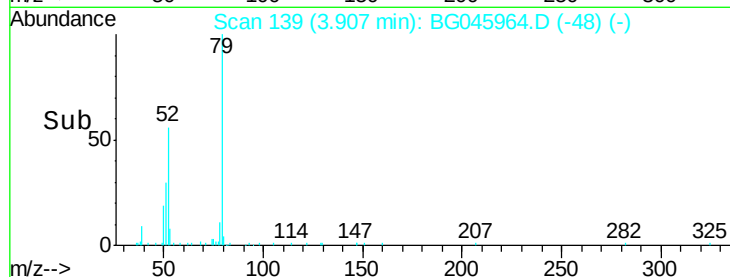
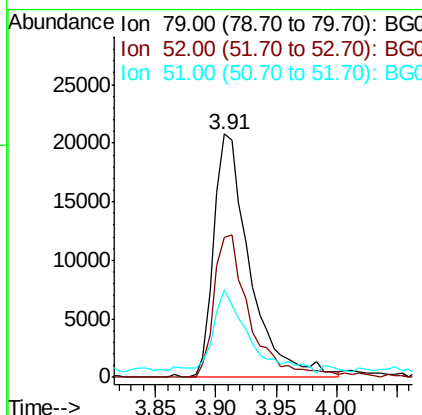
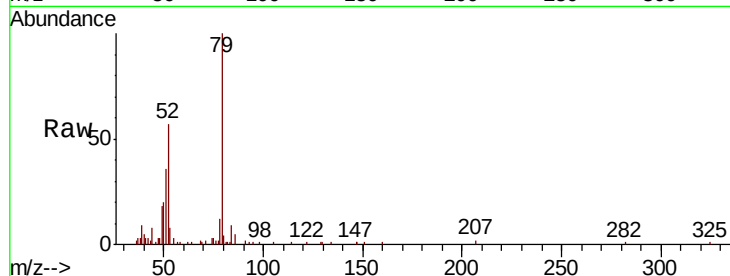
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	79	Resp:	42746
Ion	Ratio	Lower	Upper
79	100		
52	57.3	46.5	69.7
51	35.7	23.5	35.3#

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#4

n-Nitrosodimethylamine

Concen: 5.233 ng

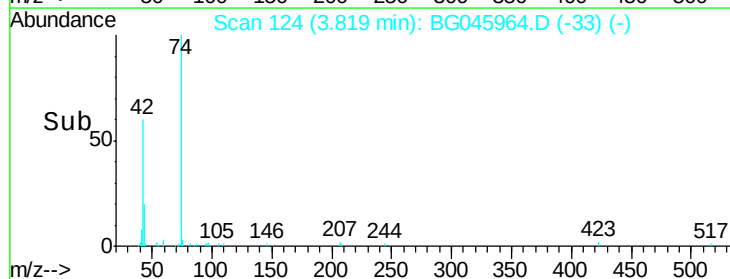
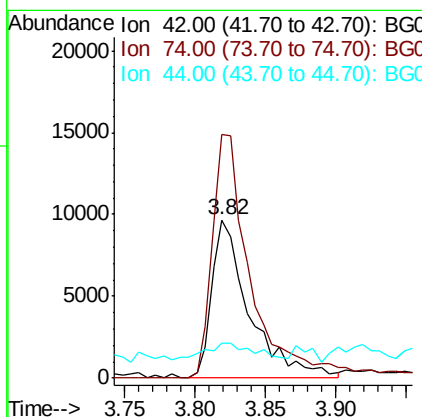
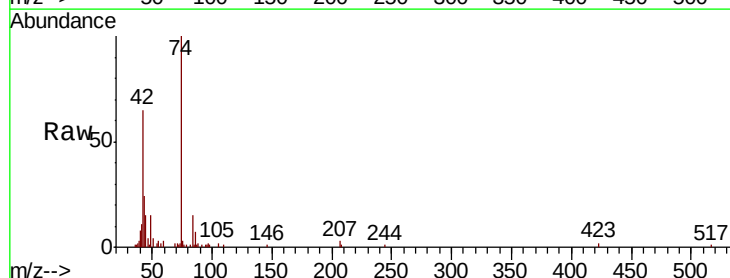
RT: 3.82 min Scan# 124

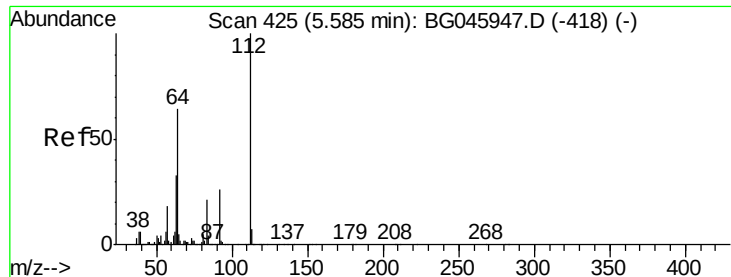
Delta R.T. 0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Tgt Ion:	42	Resp:	17954
Ion	Ratio	Lower	Upper
42	100		
74	154.0	131.9	197.9
44	22.4	7.7	11.5#





#5

2-Fluorophenol

Concen: 159.744 ng

RT: 5.59 min Scan# 425

Delta R.T. 0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:112 Resp: 1161868

Ion Ratio Lower Upper

112 100

64 65.5 51.4 77.2

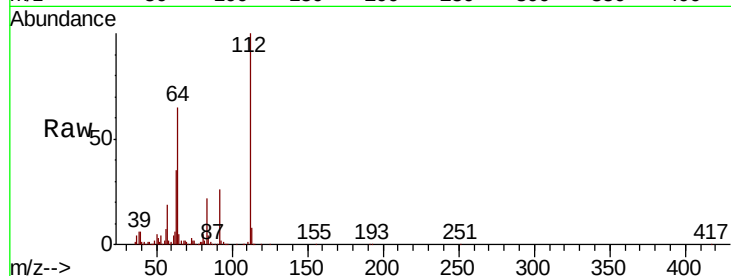
63 35.3 26.6 40.0

Manual Integrations

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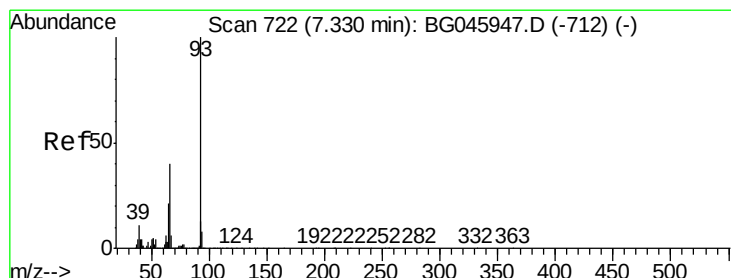
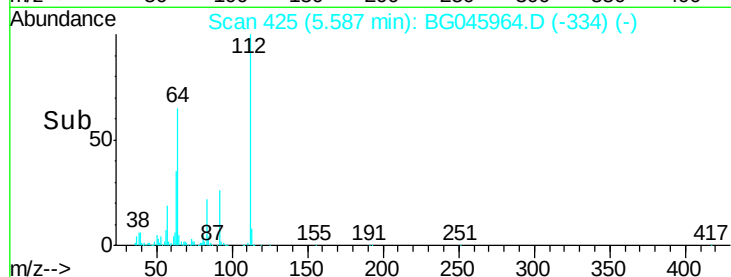
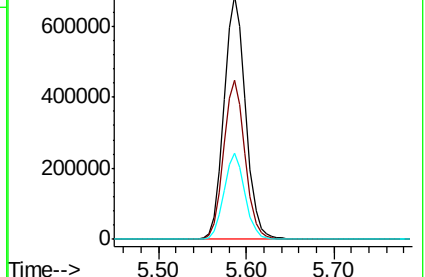
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Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 4.958 ng

RT: 7.33 min Scan# 722

Delta R.T. 0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

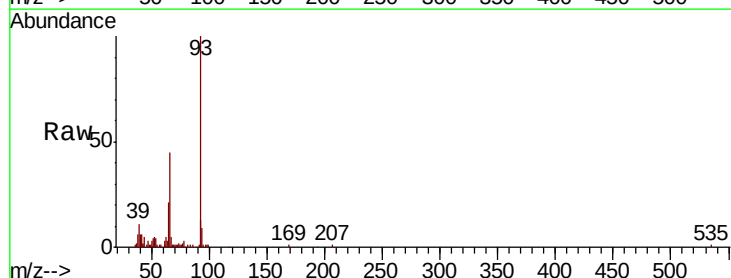
Tgt Ion: 93 Resp: 66421

Ion Ratio Lower Upper

93 100

66 45.5 32.3 48.5

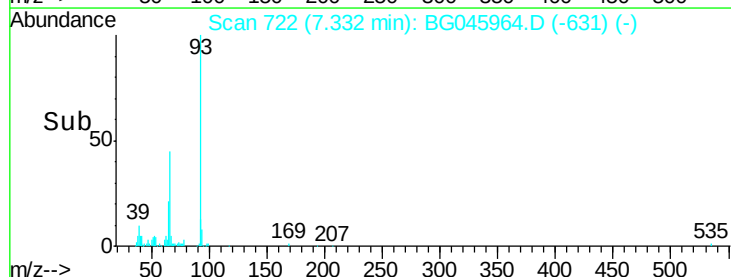
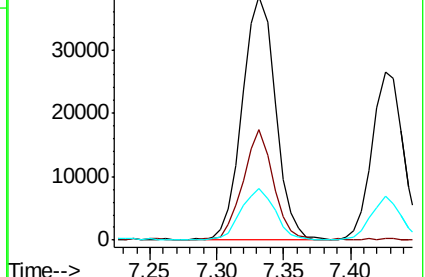
65 21.3 16.6 25.0

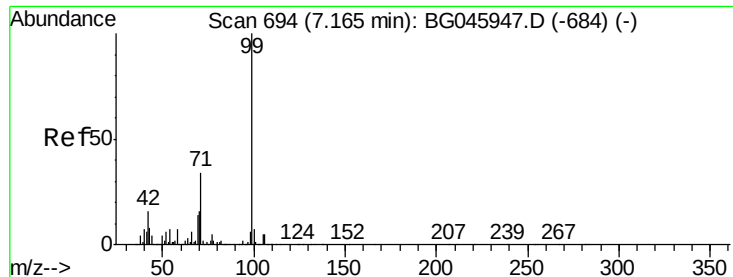


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 154.148 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 99 Resp: 1614160

Ion Ratio Lower Upper

99 100

42 18.1 13.0 19.4

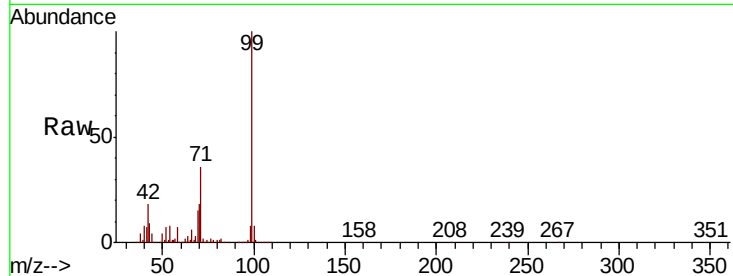
71 35.6 27.5 41.3

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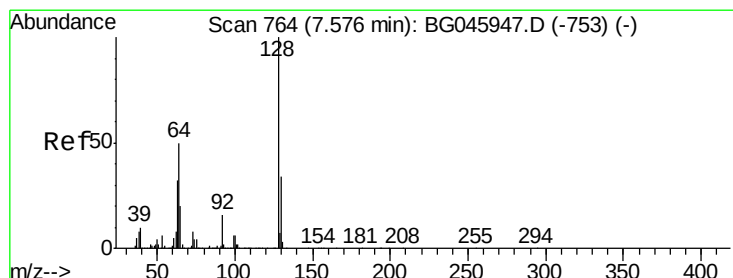
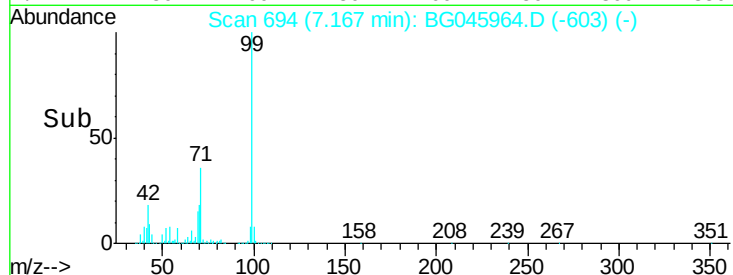
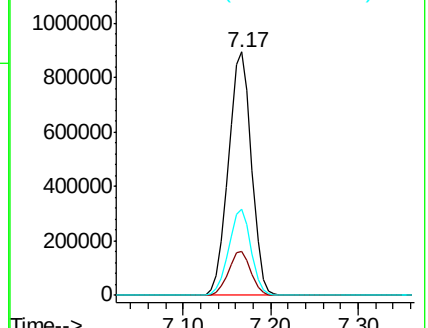


Abundance

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: 4.800 ng

RT: 7.57 min Scan# 763

Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

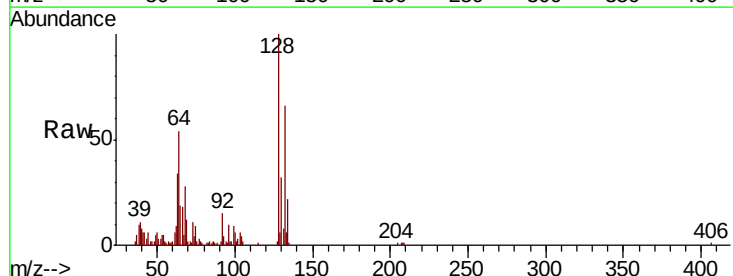
Tgt Ion:128 Resp: 37585

Ion Ratio Lower Upper

128 100

130 32.3 13.6 53.6

64 54.4 30.6 70.6

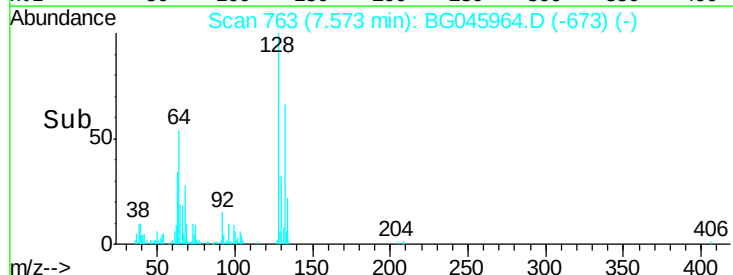
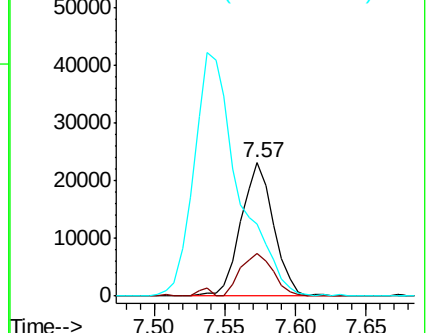


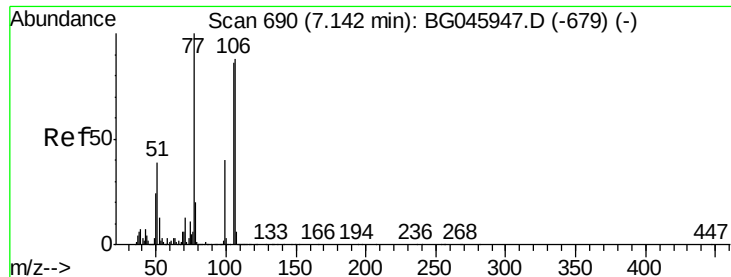
Abundance

Ion 128.00 (127.70 to 128.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 6.877 ng

RT: 7.14 min Scan# 690

Delta R.T. 0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

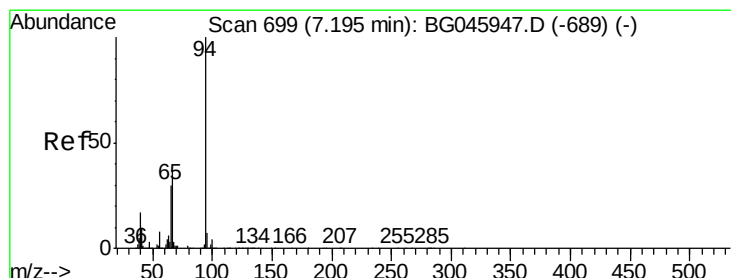
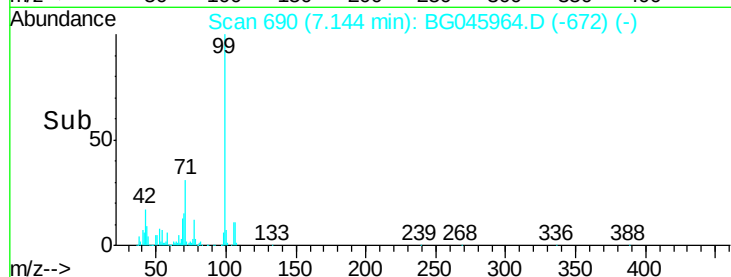
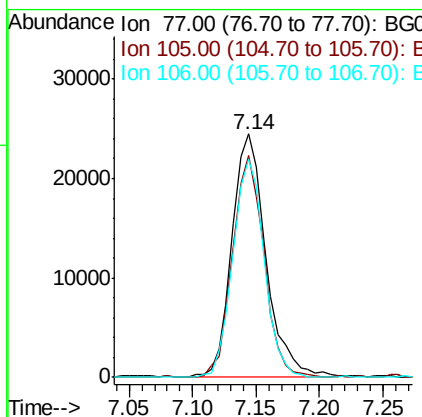
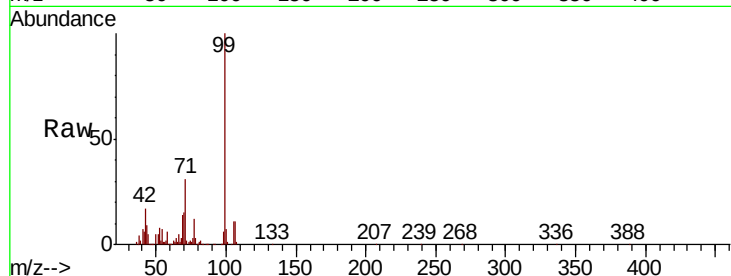
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	77	Resp:	45624
Ion	Ratio	Lower	Upper
77	100		
105	91.1	66.0	106.0
106	89.5	67.7	107.7

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#10

Phenol

Concen: 4.953 ng

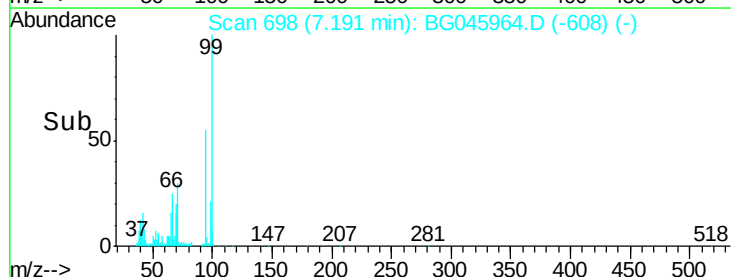
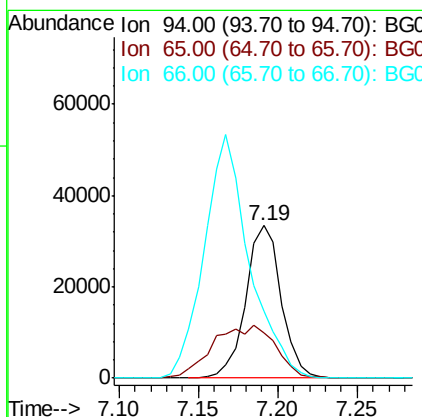
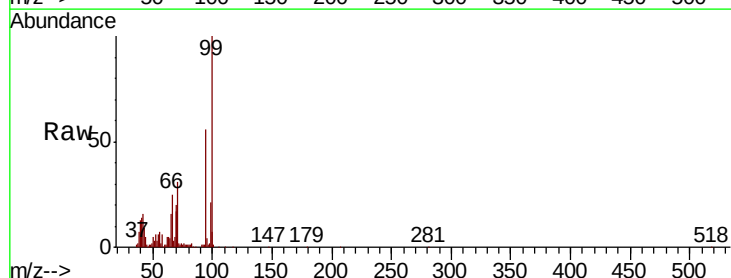
RT: 7.19 min Scan# 698

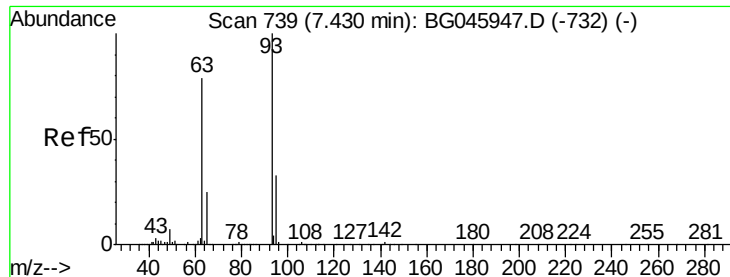
Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Tgt Ion:	94	Resp:	52028
Ion	Ratio	Lower	Upper
94	100		
65	29.5	10.6	50.6
66	44.4	17.1	57.1





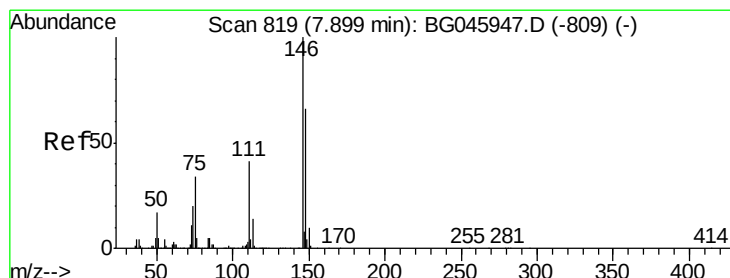
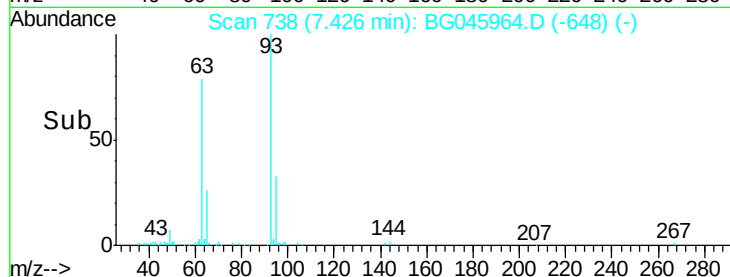
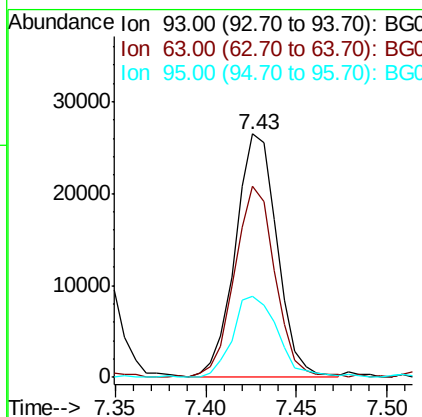
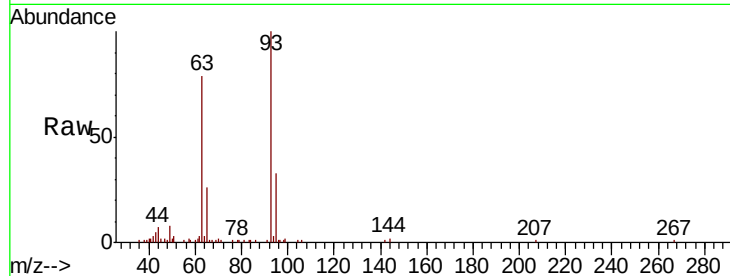
#11
bis(2-Chloroethyl)ether
Concen: 4.896 ng
RT: 7.43 min Scan# 738
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

Tot Ion	93	Resp	42527
Ion Ratio	Lower	Upper	
93	100		
63	78.6	58.6	98.6
95	33.4	13.3	53.3

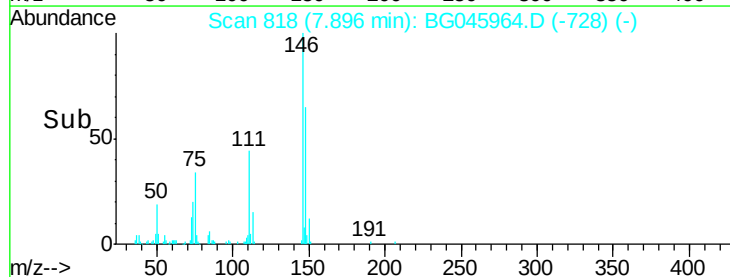
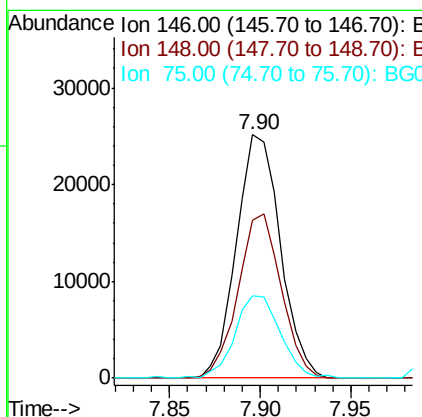
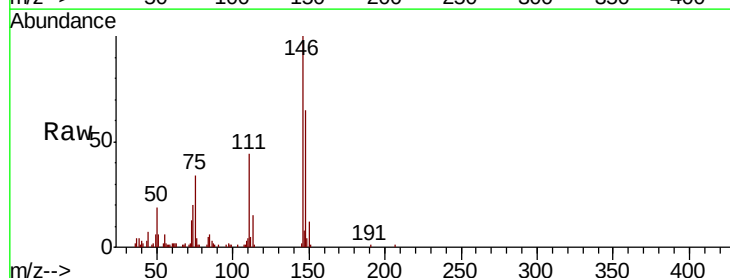
Manual Integrations
APPROVED

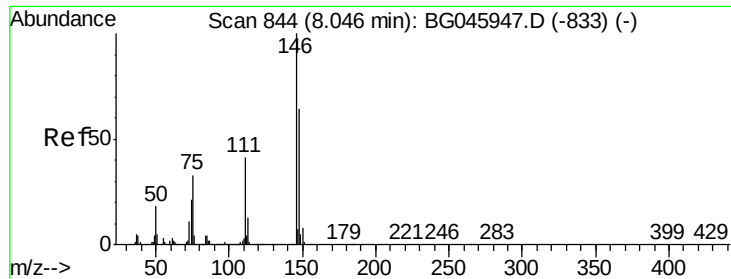
mohammad
7/9/2020 10:55:26 AM



#12
1,3-Dichlorobenzene
Concen: 4.692 ng
RT: 7.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	146	Resp	42345
Ion Ratio	Lower	Upper	
146	100		
148	64.8	52.8	79.2
75	34.0	27.2	40.8





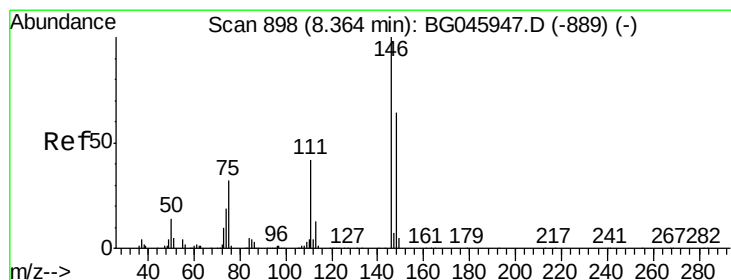
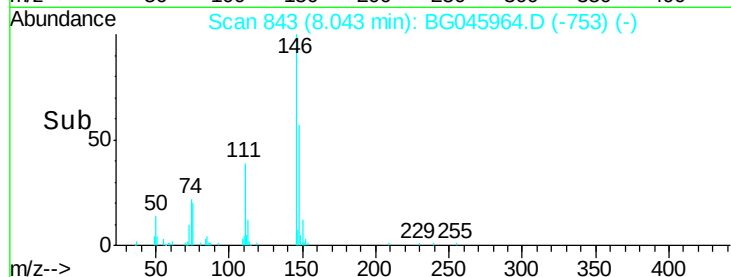
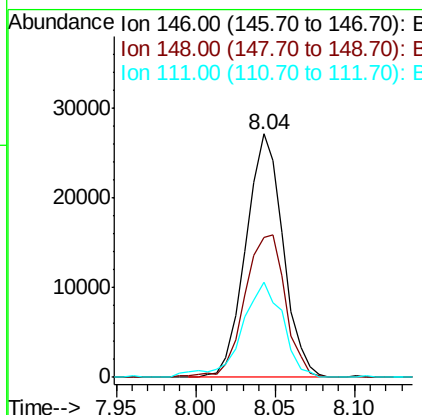
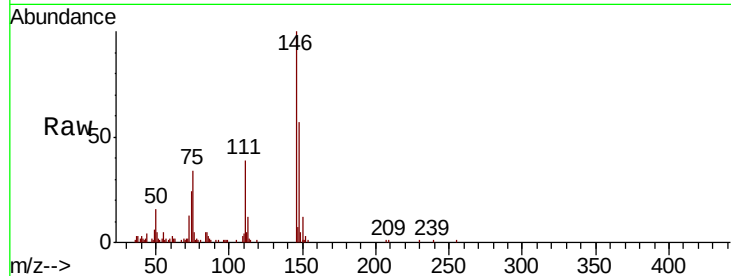
#13
1,4-Dichlorobenzene
Concen: 4.975 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Lower	Upper
146	100		
148	57.5	51.7	77.5
111	39.0	33.3	49.9

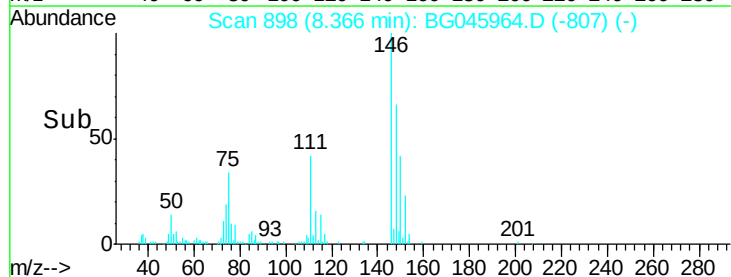
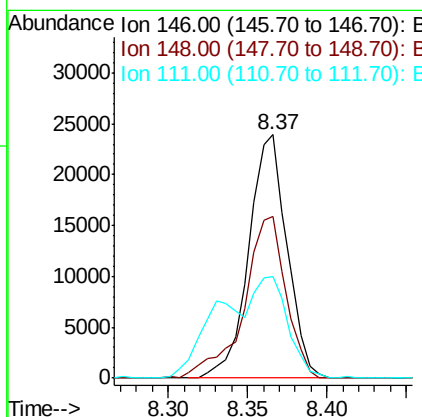
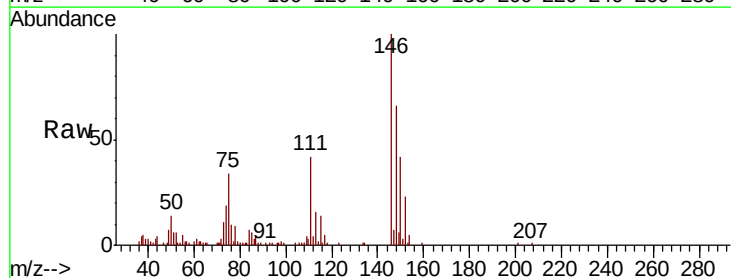
Manual Integrations
APPROVED

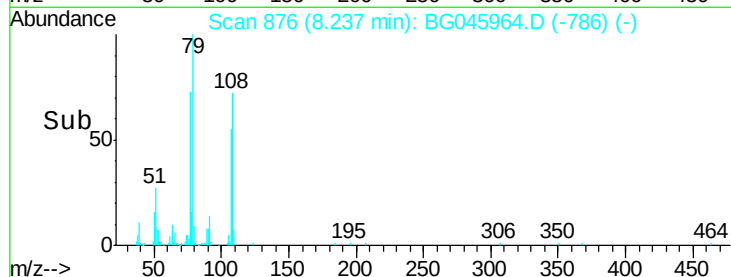
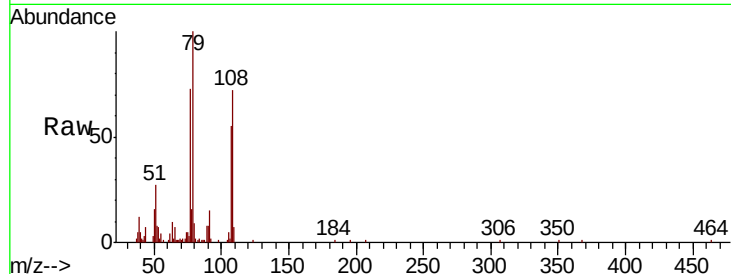
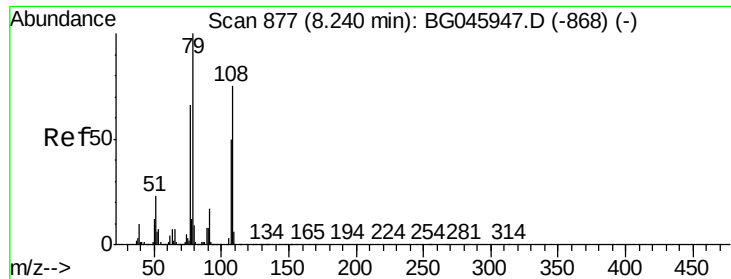
mohammad
7/9/2020 10:55:26 AM



#14
1,2-Dichlorobenzene
Concen: 4.677 ng
RT: 8.37 min Scan# 898
Delta R.T. 0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.4	51.6	77.4
111	41.8	34.0	51.0





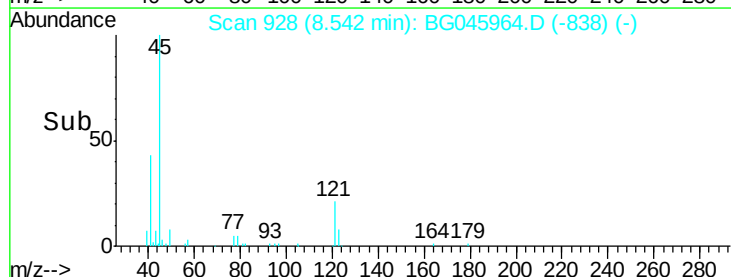
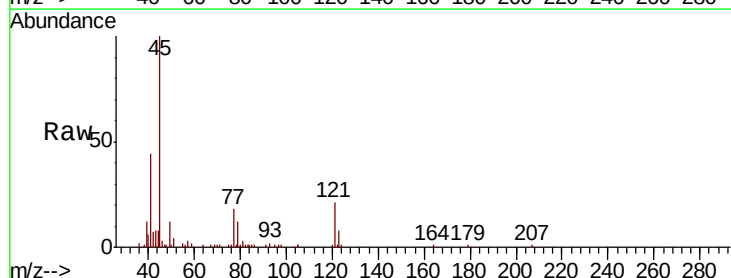
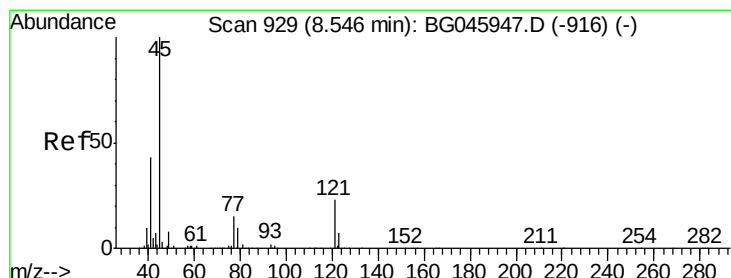
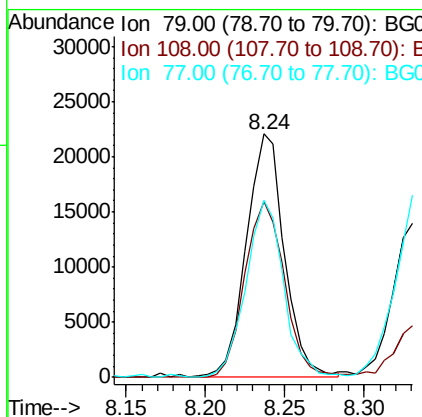
#15
Benzyl Alcohol
Concen: 4.498 ng
RT: 8.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tot Ion	Ratio	Lower	Upper
79	100		
108	72.3	60.2	90.4
77	72.6	52.9	79.3

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

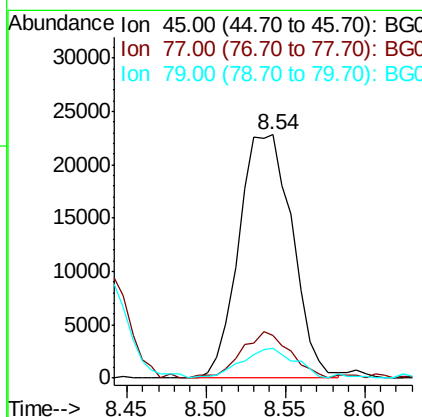
Manual Integrations
APPROVED

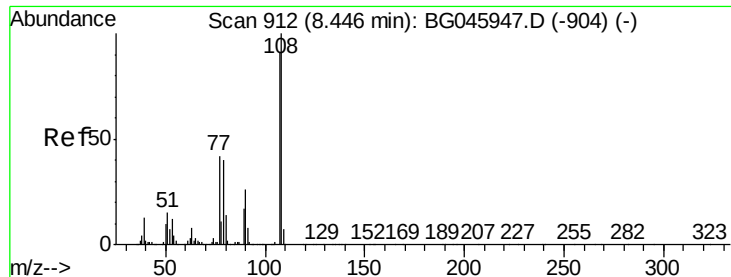
mohammad
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.708 ng
RT: 8.54 min Scan# 928
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	37.6
79	12.1	0.0	32.6





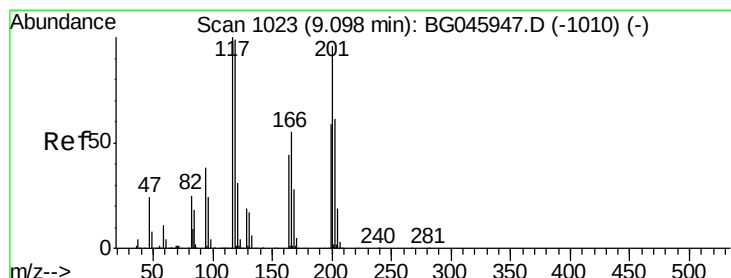
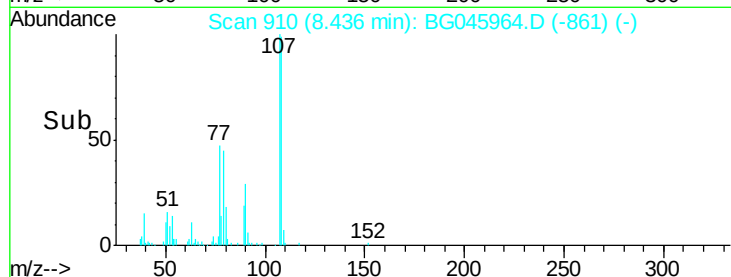
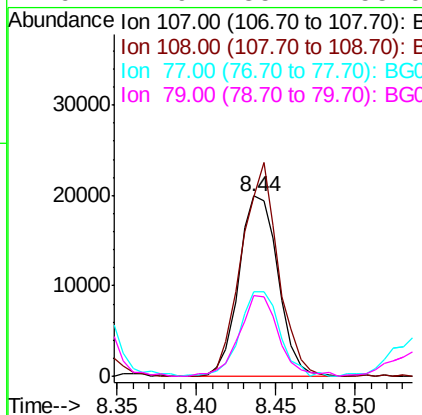
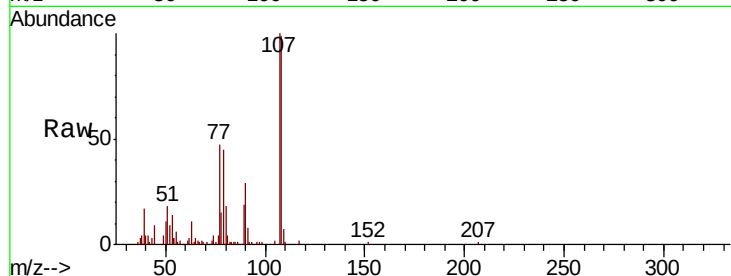
#17
2-Methylphenol
Concen: 4.345 ng
RT: 8.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	99.4	88.2	132.4	
77	46.7	37.0	55.4	
79	44.9	35.4	53.0	

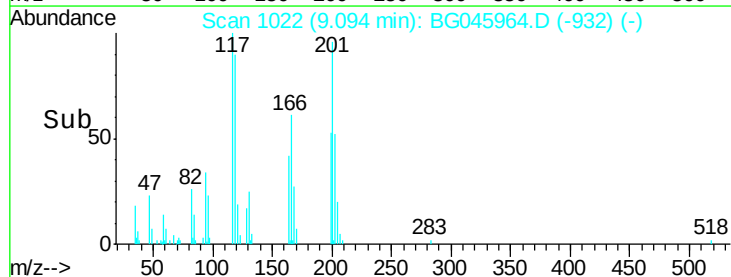
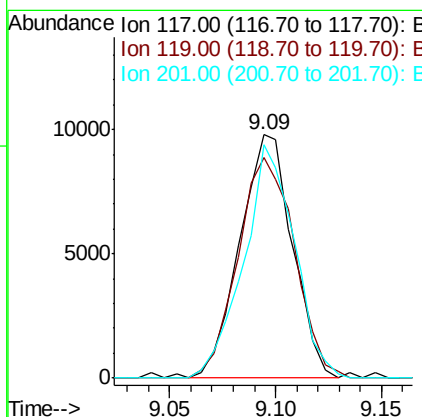
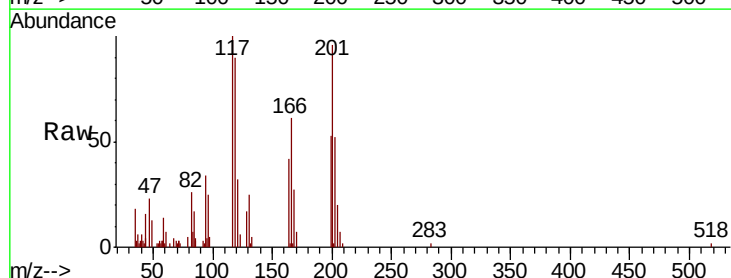
Manual Integrations
APPROVED

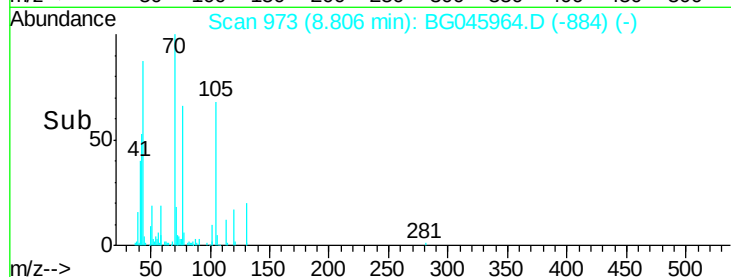
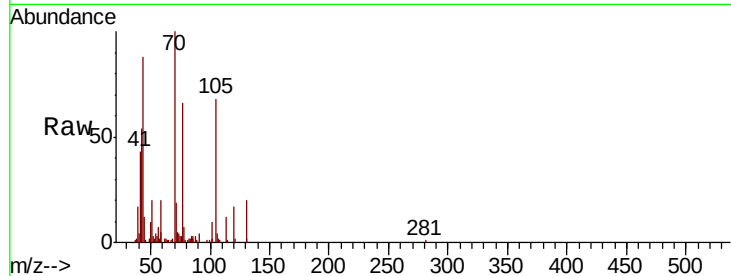
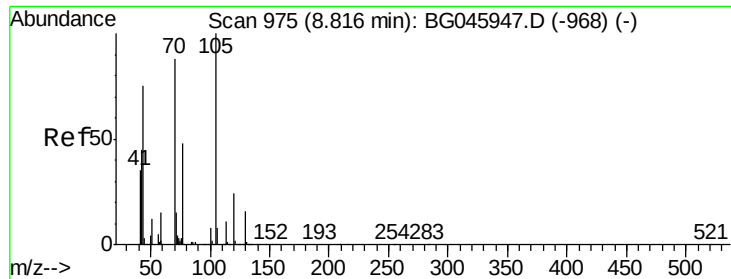
mohammad
7/9/2020 10:55:26 AM



#18
Hexachloroethane
Concen: 4.950 ng
RT: 9.09 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	90.4	79.5	119.3	
201	95.6	77.0	115.4	





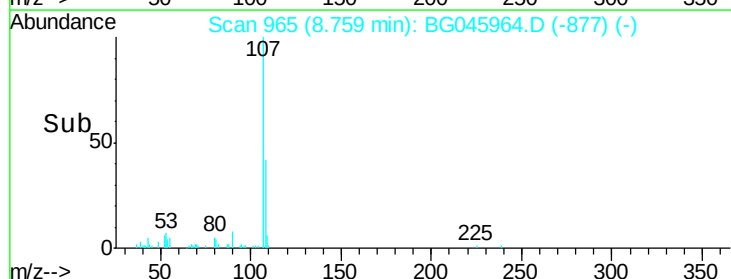
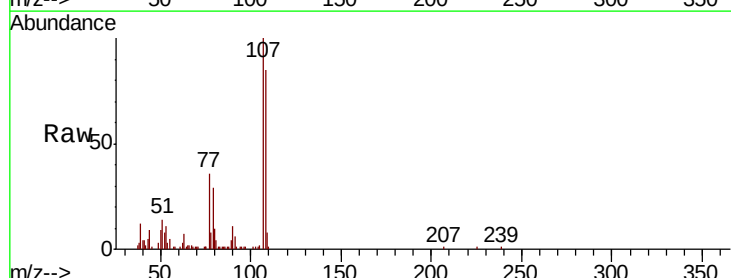
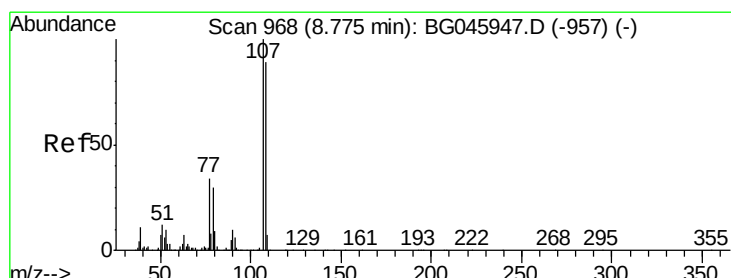
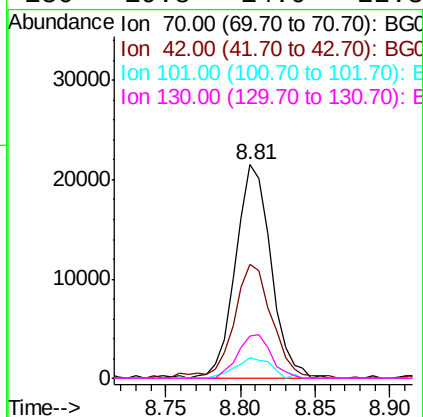
#19
n-Nitroso-di-n-propylamine
Concen: 4.844 ng
RT: 8.81 min Scan# 973
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		35635		
42	53.6	41.4	62.0		
101	9.5	7.1	10.7		
130	19.8	14.9	22.3		

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

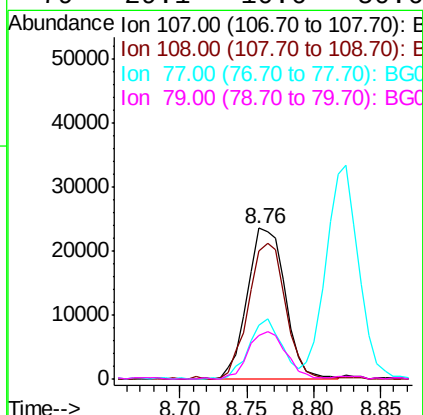
Manual Integrations
APPROVED

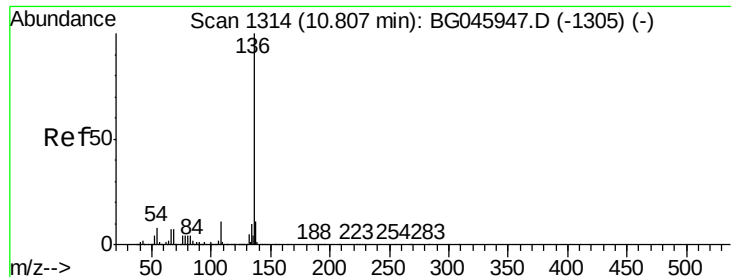
mohammad
7/9/2020 10:55:26 AM



#20
3+4-Methylphenols
Concen: 4.290 ng
RT: 8.76 min Scan# 965
Delta R.T. -0.02 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		46087		
108	85.1	68.7	108.7		
77	35.6	14.6	54.6		
79	29.1	10.6	50.6		





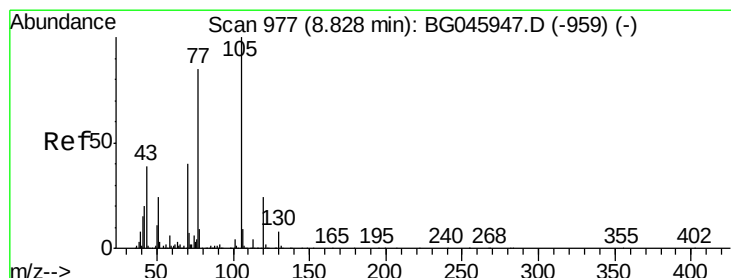
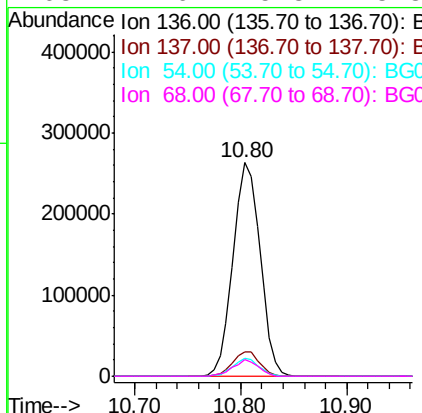
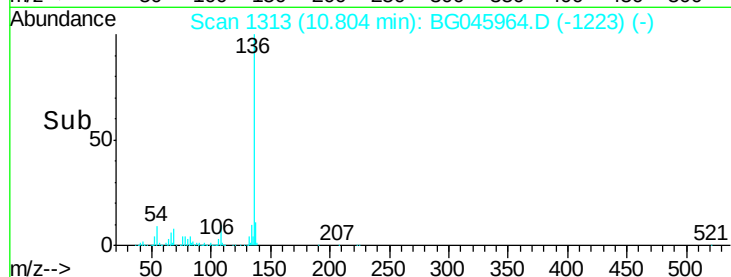
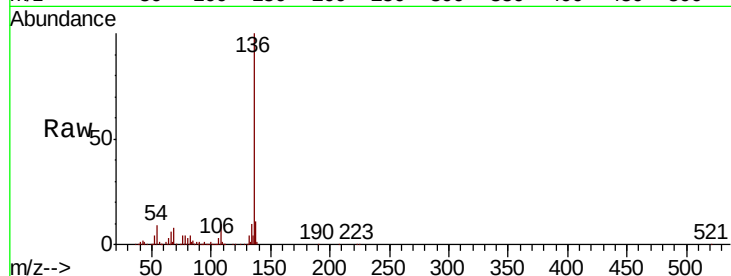
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	8.7	6.2	9.4
68	7.6	5.8	8.8

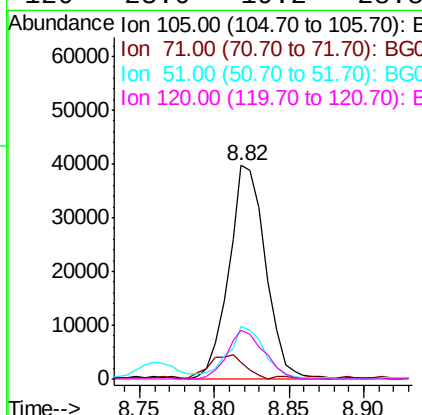
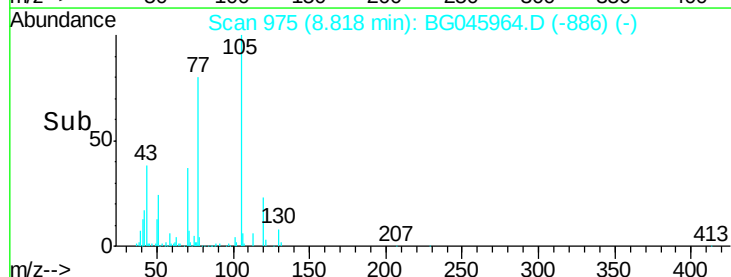
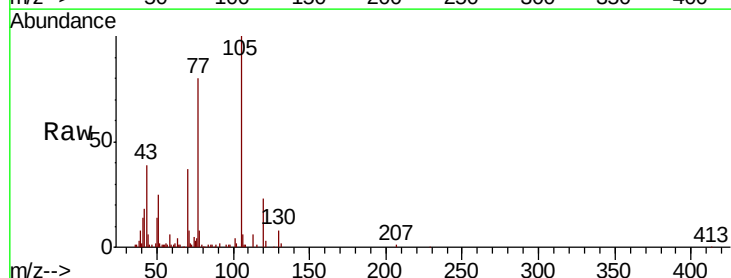
Manual Integrations
APPROVED

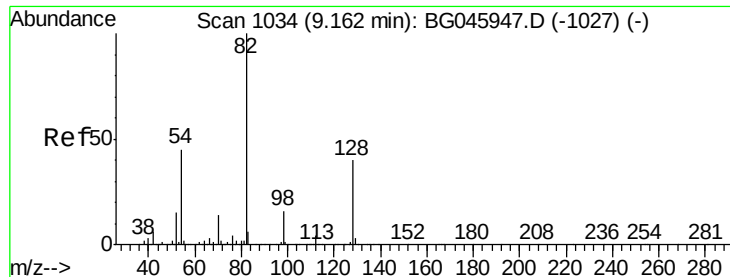
mohammad
7/9/2020 10:55:26 AM



#22
Acetophenone
Concen: 5.462 ng
RT: 8.82 min Scan# 975
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
105	100		
71	7.6	6.2	9.2
51	24.5	19.7	29.5
120	23.0	19.2	28.8





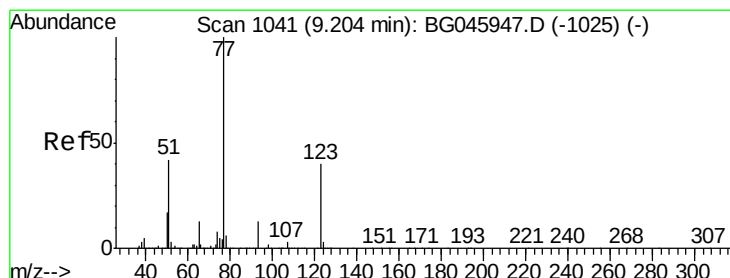
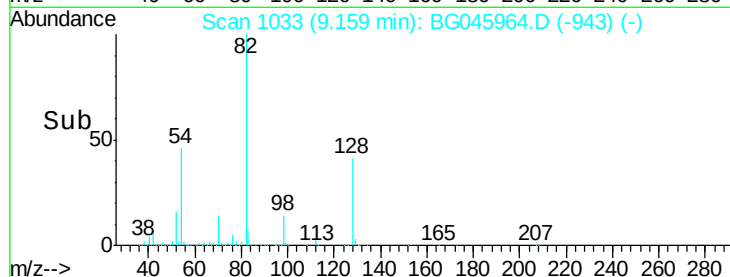
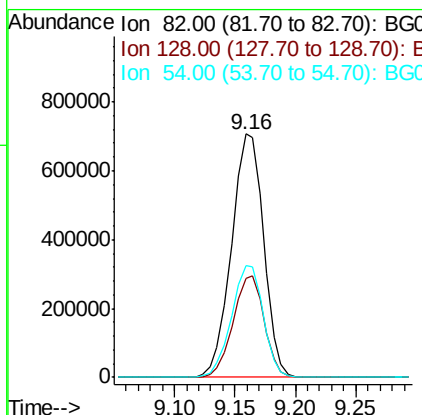
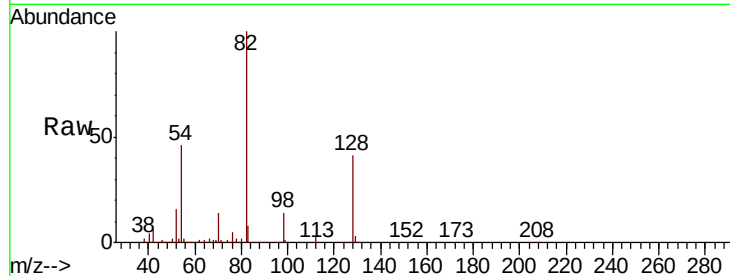
#23
 Nitrobenzene-d5
 Concen: 161.506 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.9	32.2	48.4
54	45.9	35.8	53.6

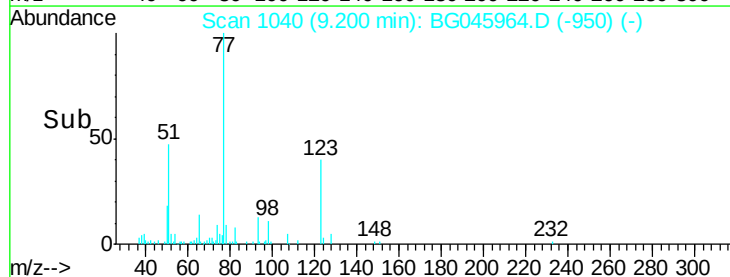
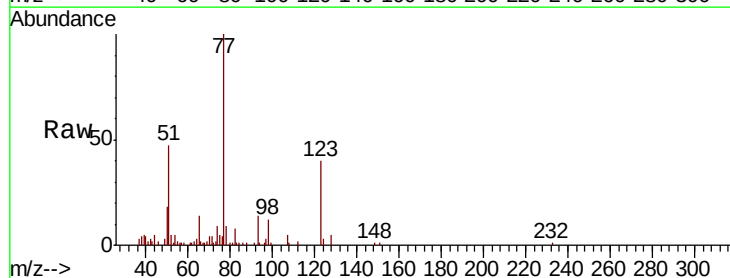
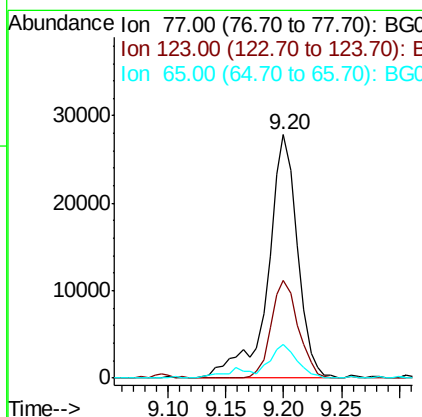
Manual Integrations
 APPROVED

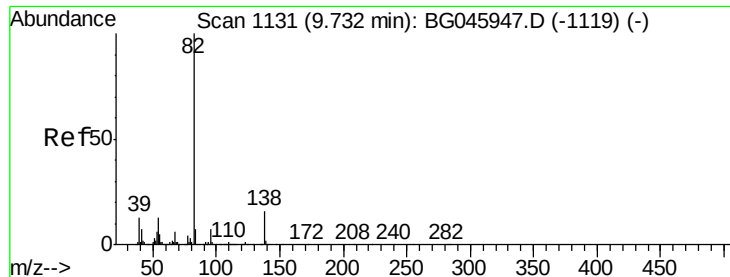
mohammad
 7/9/2020 10:55:26 AM



#24
 Nitrobenzene
 Concen: 5.548 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
77	100		
123	40.1	32.7	49.1
65	13.6	10.2	15.4





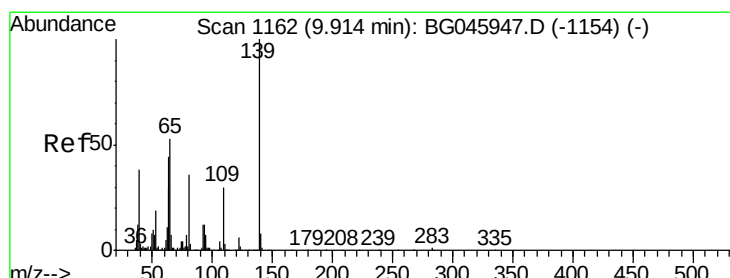
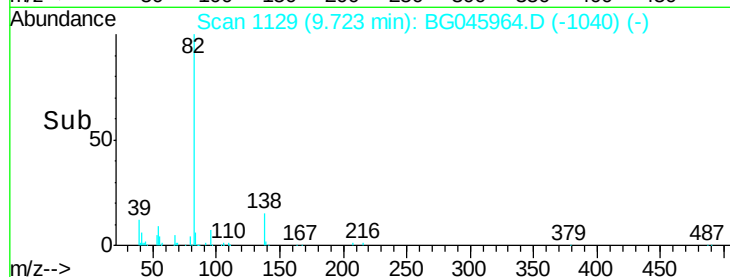
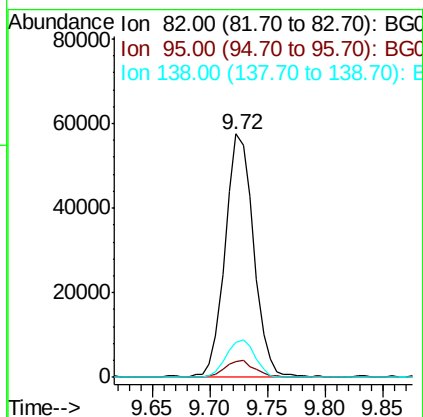
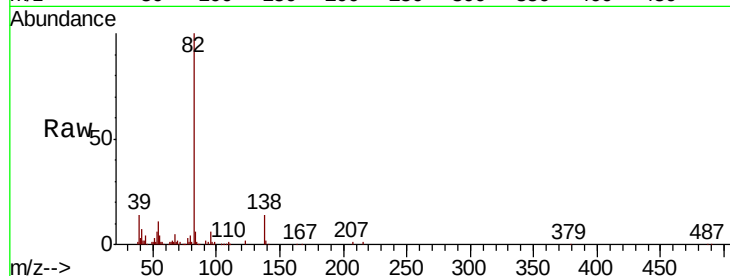
#25
Isophorone
Concen: 4.995 ng
RT: 9.72 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	6.4		5.8	8.6
138	14.5		12.9	19.3

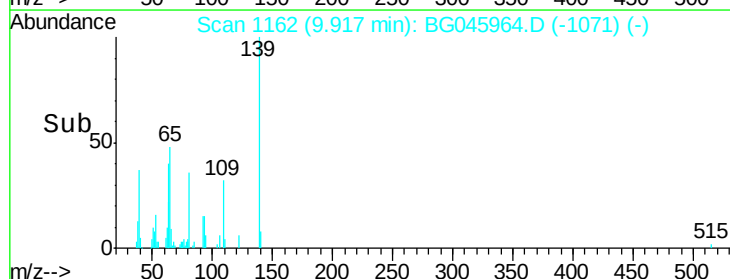
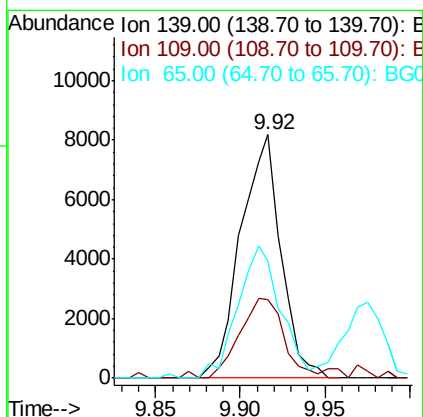
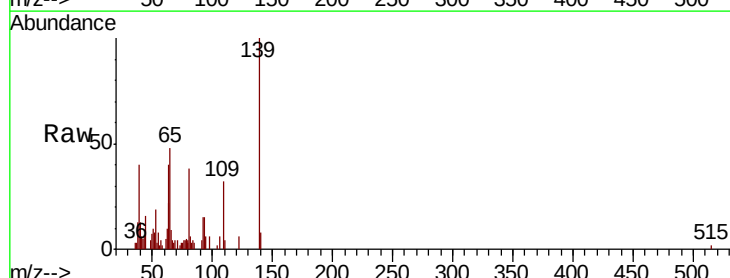
Manual Integrations
APPROVED

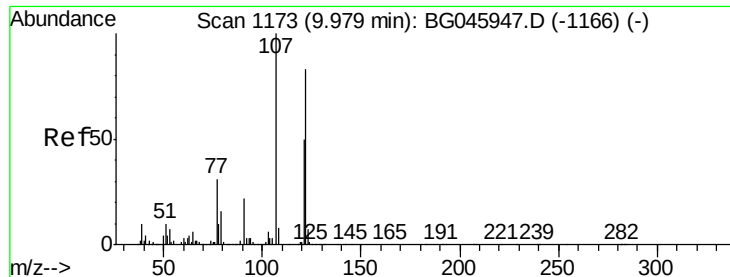
mohammad
7/9/2020 10:55:26 AM



#26
2-Nitrophenol
Concen: 4.652 ng
RT: 9.92 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	32.4		24.6	37.0
65	47.9		42.6	64.0





#27

2,4-Dimethylphenol

Concen: 5.240 ng

RT: 9.98 min Scan# 1172

Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

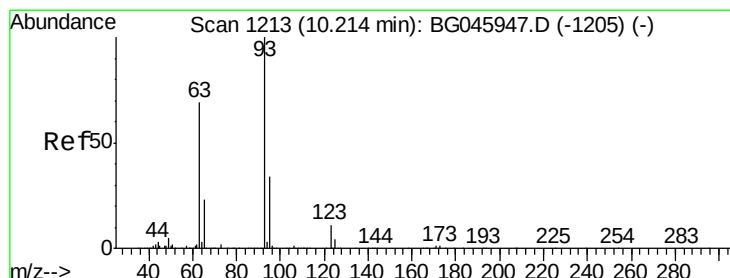
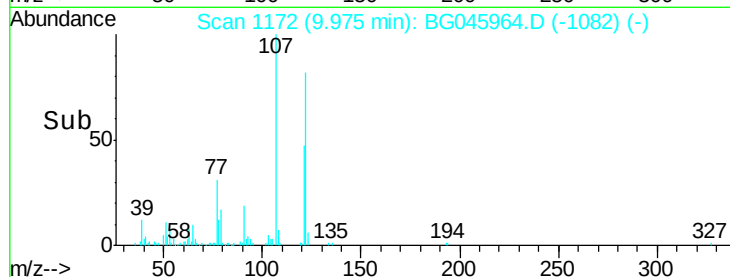
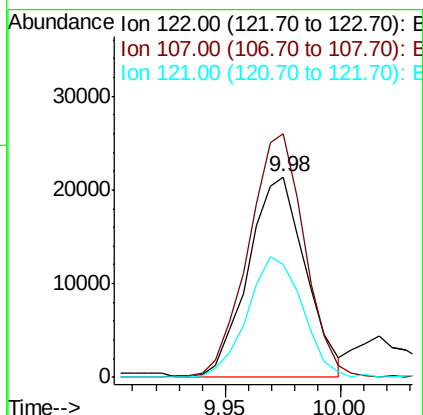
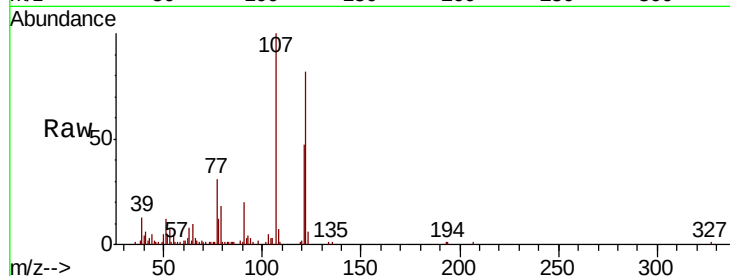
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	122	Resp:	36891
Ion Ratio	Lower	Upper	
122	100		
107	121.3	95.6	143.4
121	56.5	47.7	71.5

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#28

bis(2-Chloroethoxy)methane

Concen: 5.015 ng

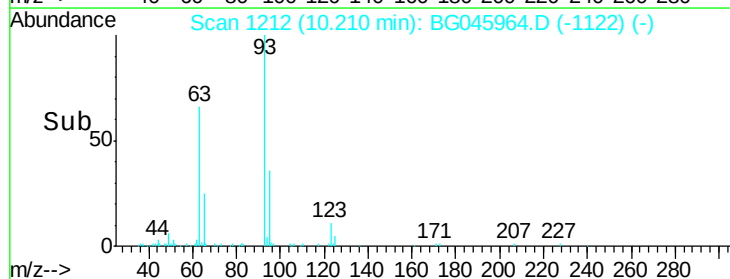
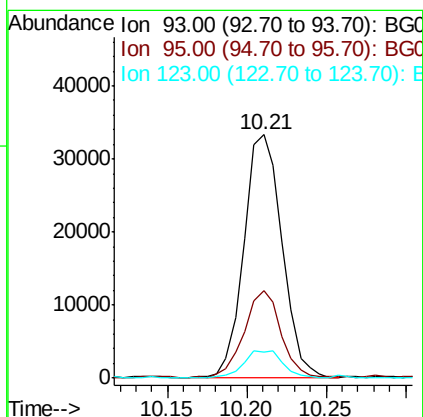
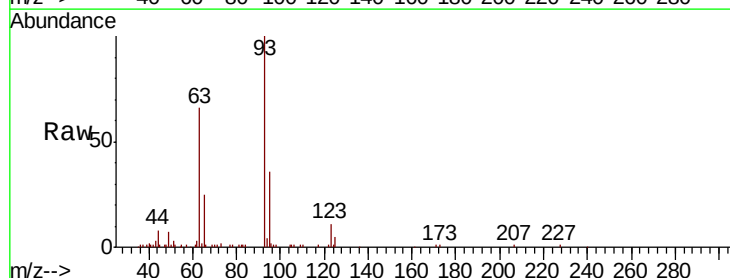
RT: 10.21 min Scan# 1212

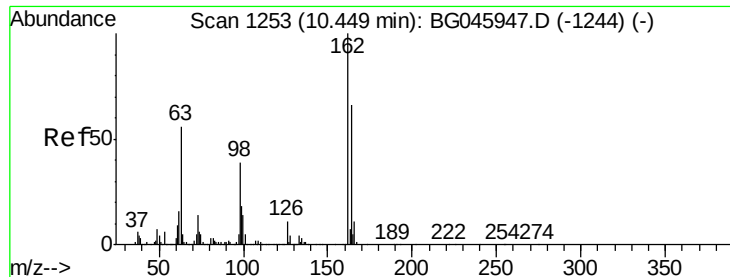
Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Tgt Ion:	93	Resp:	55698
Ion Ratio	Lower	Upper	
93	100		
95	35.8	27.5	41.3
123	10.8	9.2	13.8





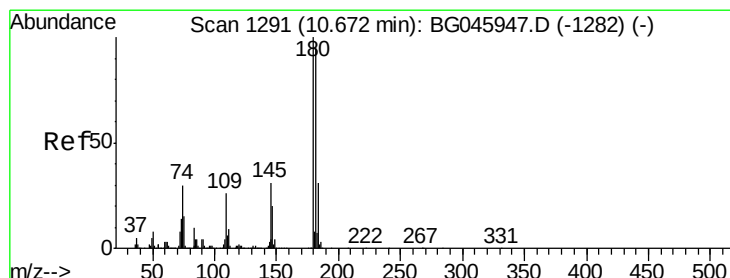
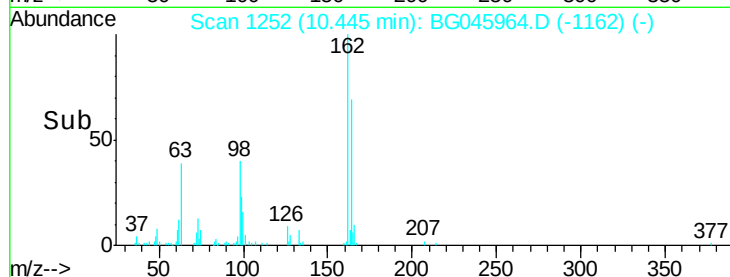
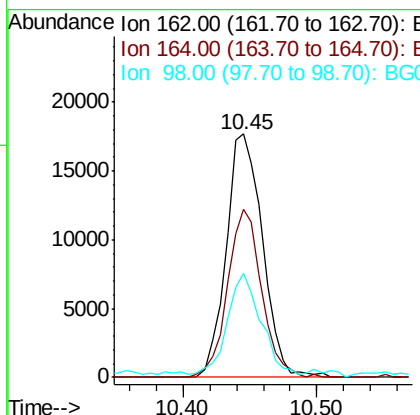
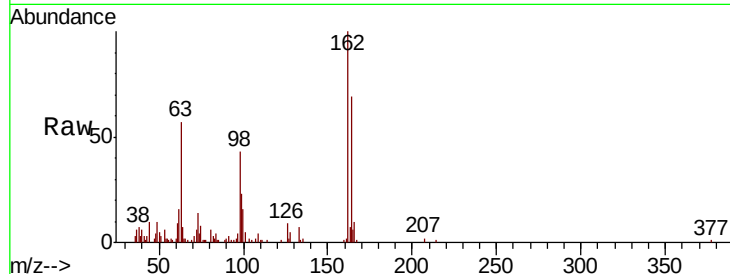
#29
 2,4-Dichlorophenol
 Concen: 4.597 ng
 RT: 10.45 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Lower	Upper
162	100		
164	69.1	46.0	86.0
98	42.6	19.2	59.2

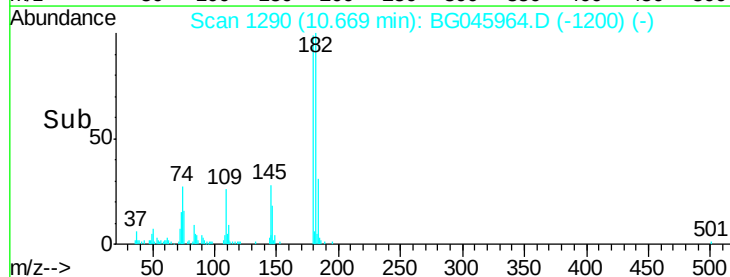
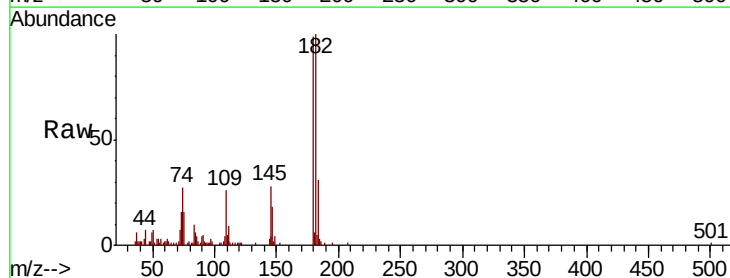
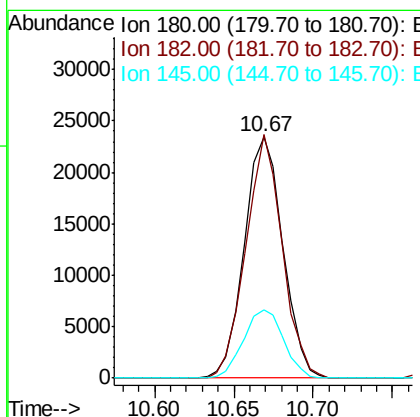
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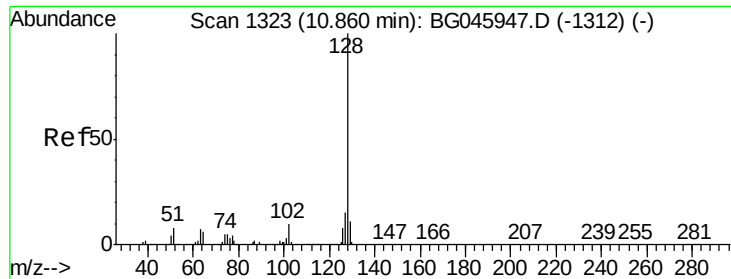
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#30
 1,2,4-Trichlorobenzene
 Concen: 4.911 ng
 RT: 10.67 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.8	76.3	114.5
145	28.1	24.8	37.2





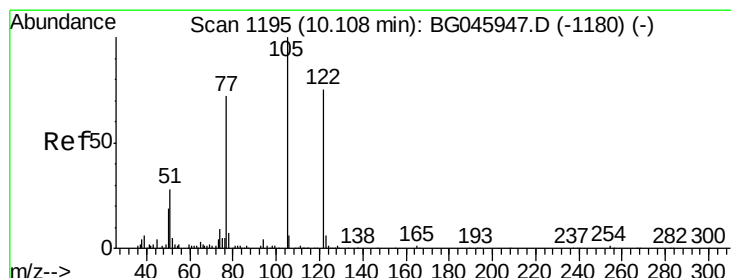
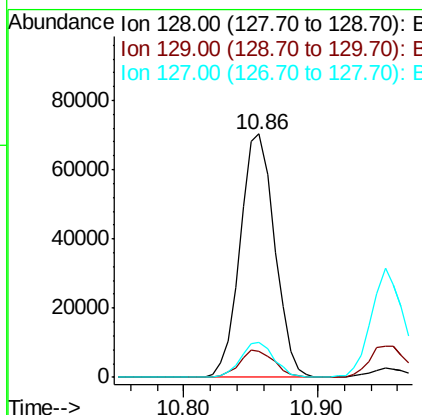
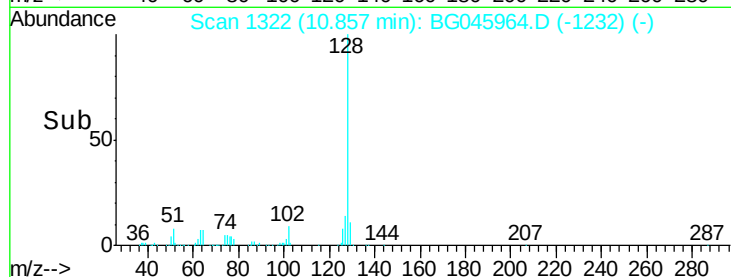
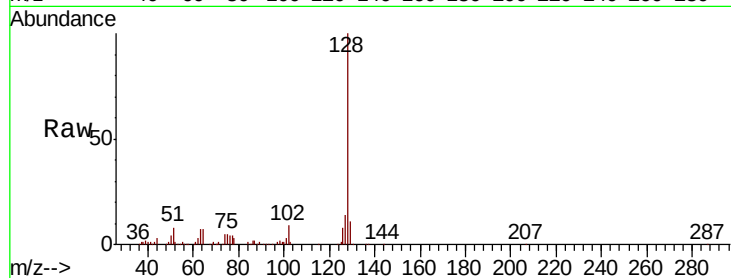
#31
Naphthalene
Concen: 5.010 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.2	13.8
127	14.3	11.8	17.6

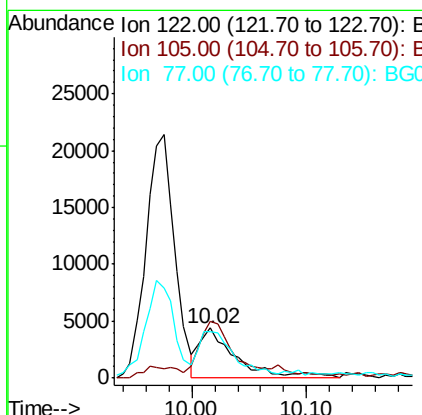
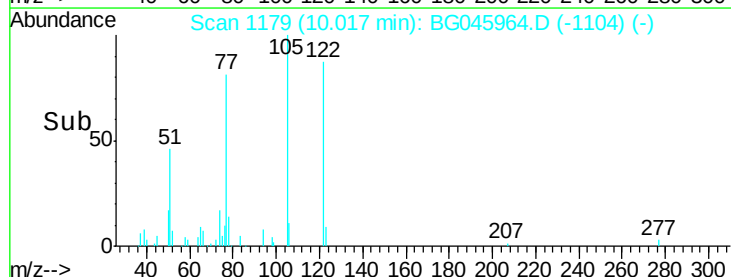
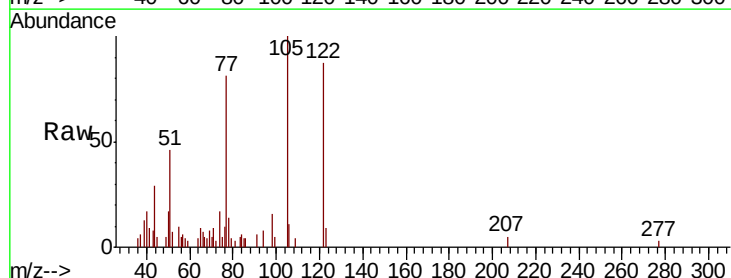
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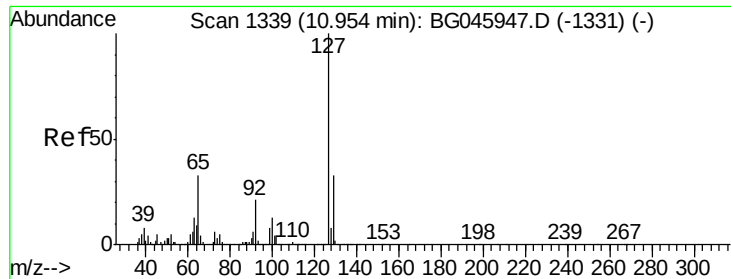
mohammad
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#32
Benzoic acid
Concen: 2.566 ng m
RT: 10.02 min Scan# 1179
Delta R.T. -0.09 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
122	100		
105	114.3	110.8	150.8
77	92.4	76.4	116.4





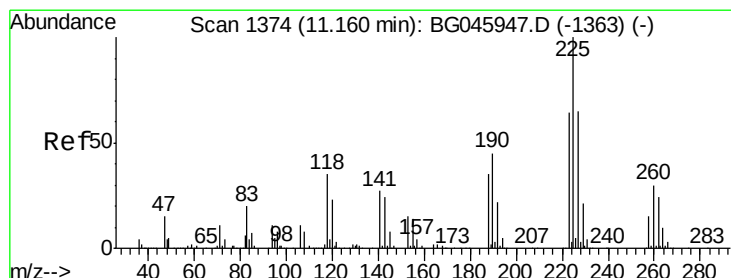
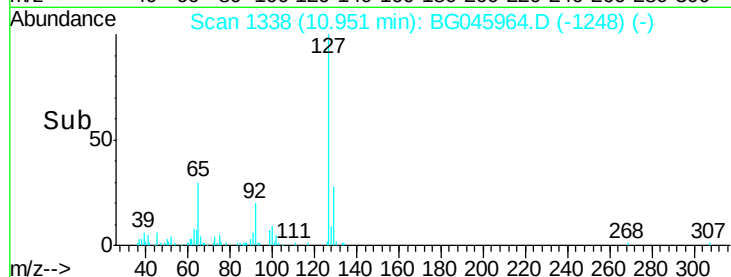
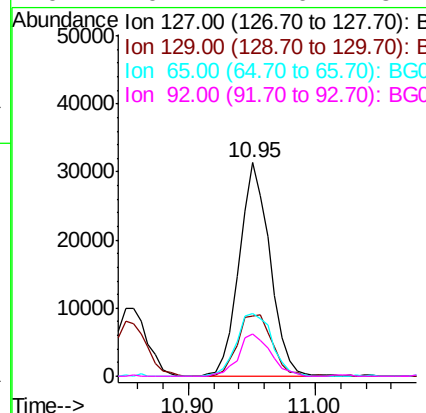
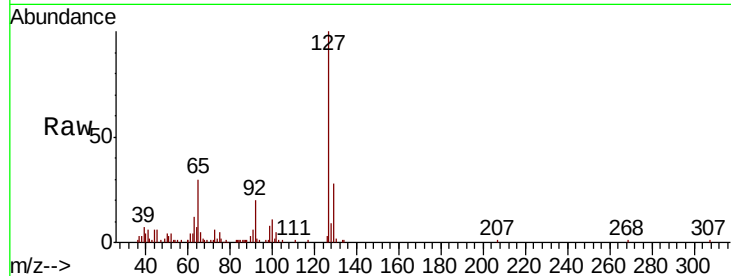
#33
4-Chloroaniline
Concen: 4.703 ng
RT: 10.95 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	28.5	26.6	39.8	
65	29.6	26.8	40.2	
92	19.7	17.0	25.4	

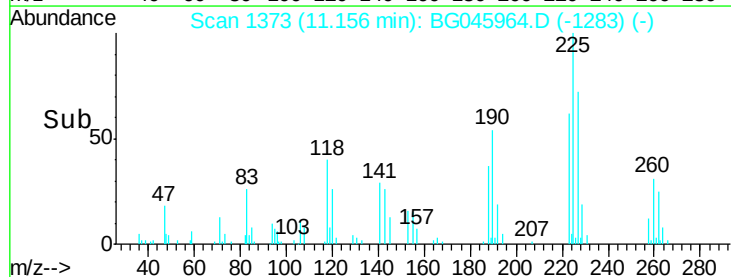
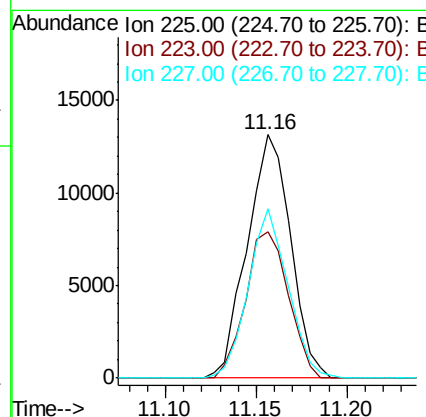
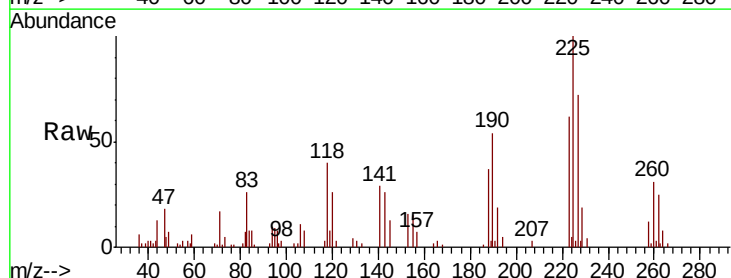
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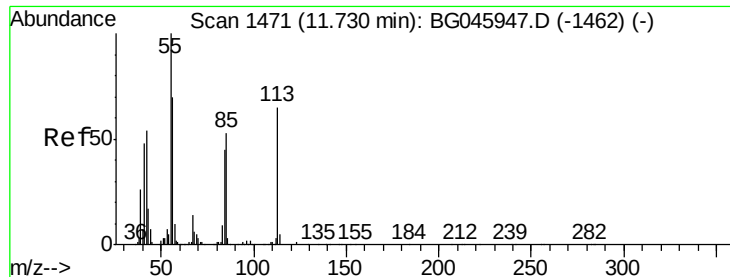
mohammad
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#34
Hexachlorobutadiene
Concen: 4.638 ng
RT: 11.16 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.0	51.2	76.8	
227	69.5	52.3	78.5	





#35

Caprolactam

Concen: 4.303 ng

RT: 11.69 min Scan# 1464

Delta R.T. -0.04 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

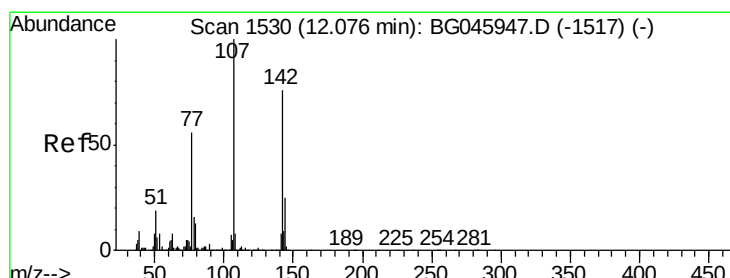
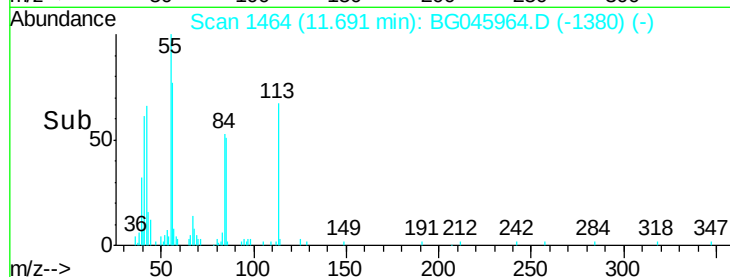
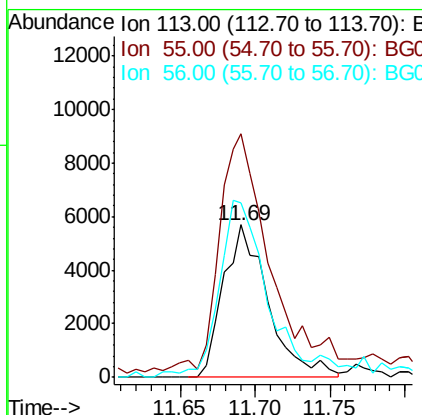
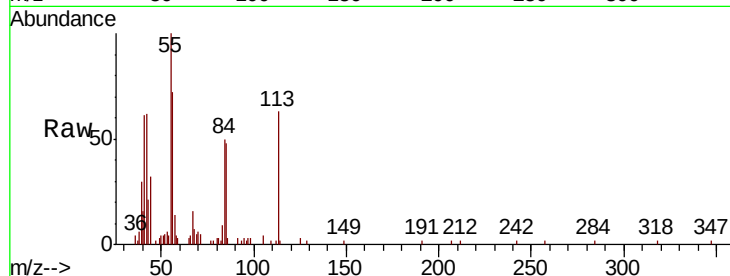
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	113	Resp:	11906
Ion	Ratio	Lower	Upper
113	100		
55	159.9	141.6	181.6
56	114.9	89.6	129.6

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#36

4-Chloro-3-methylphenol

Concen: 4.612 ng

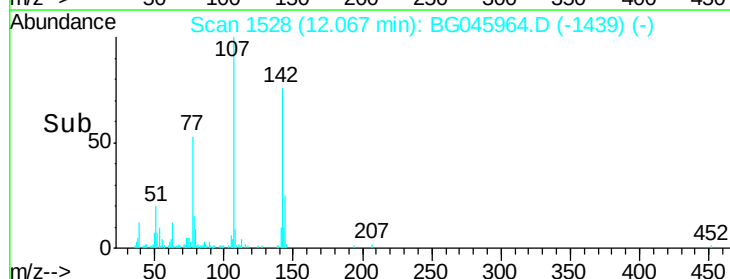
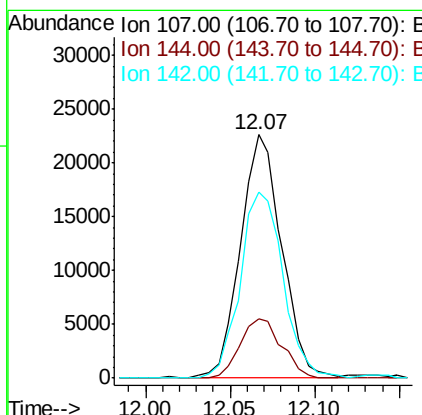
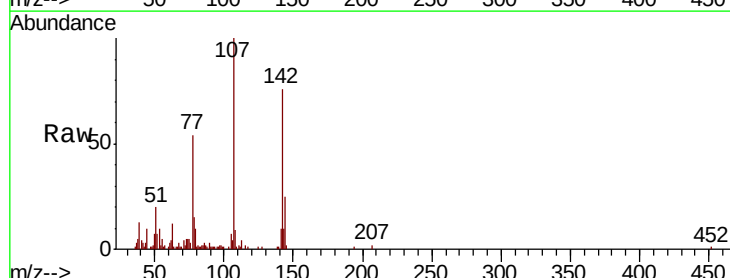
RT: 12.07 min Scan# 1528

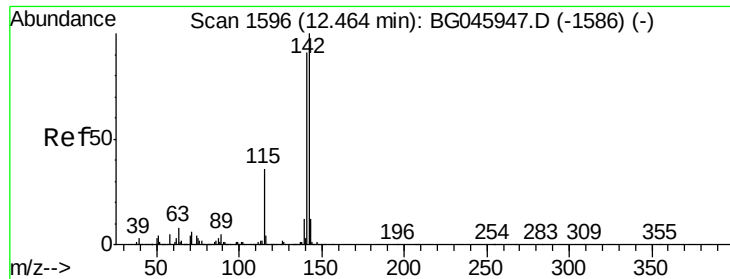
Delta R.T. -0.01 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Tgt Ion:	107	Resp:	38278
Ion	Ratio	Lower	Upper
107	100		
144	24.6	20.0	30.0
142	76.5	61.1	91.7





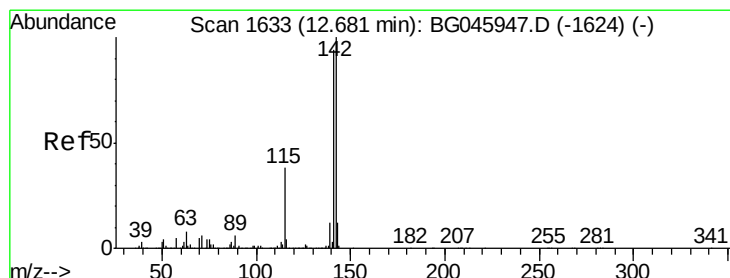
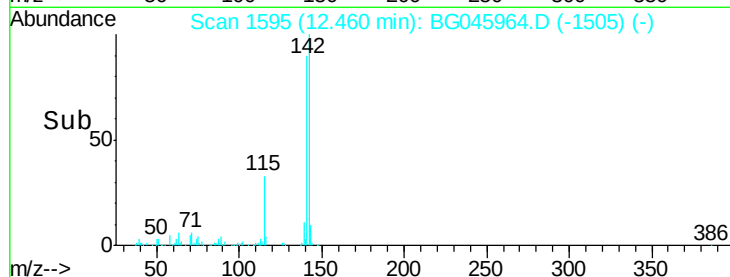
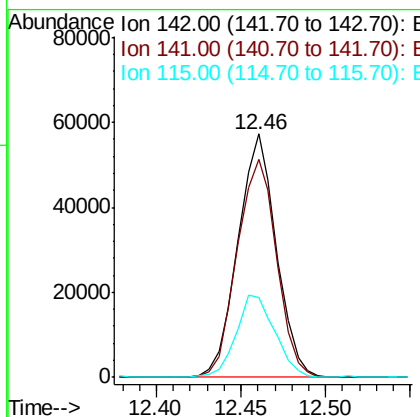
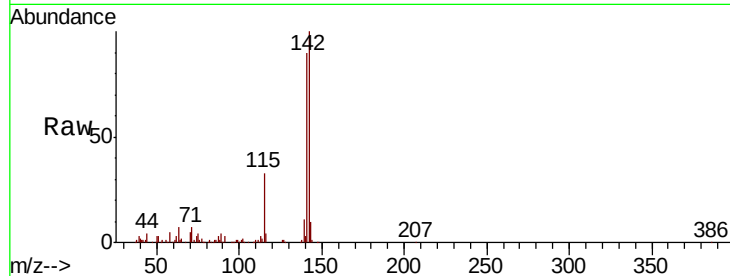
#37
2-Methylnaphthalene
Concen: 5.084 ng
RT: 12.46 min Scan# 1595
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	73.0	109.6
115	32.7	28.8	43.2

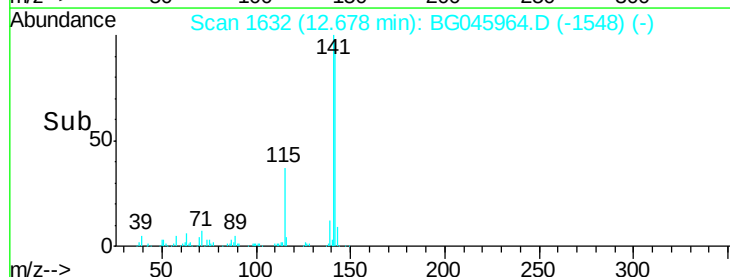
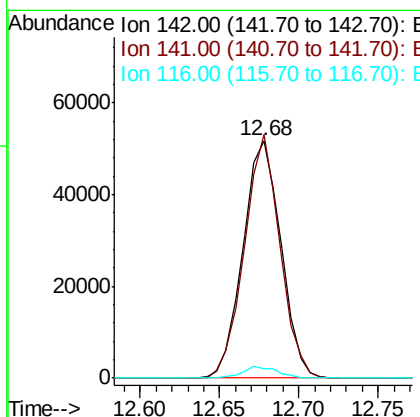
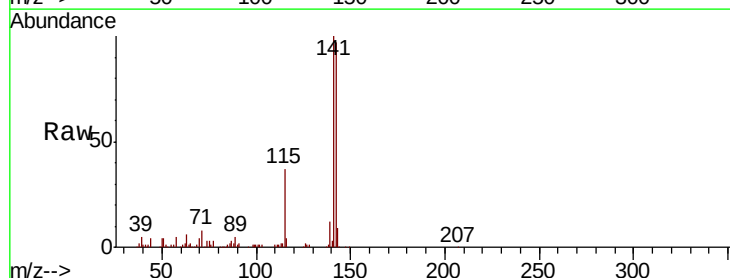
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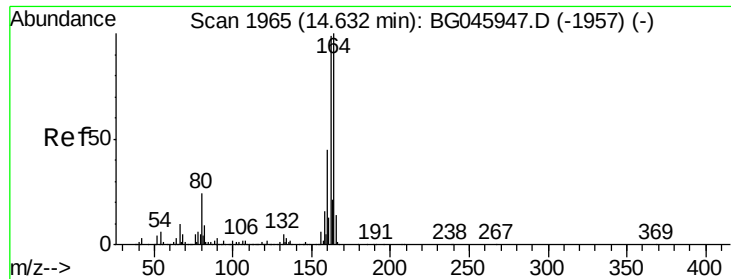
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#38
1-Methylnaphthalene
Concen: 5.124 ng
RT: 12.68 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
142	100		
141	102.6	75.2	112.8
116	3.9	3.1	4.7





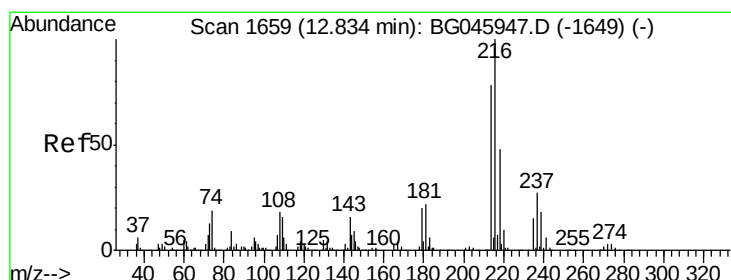
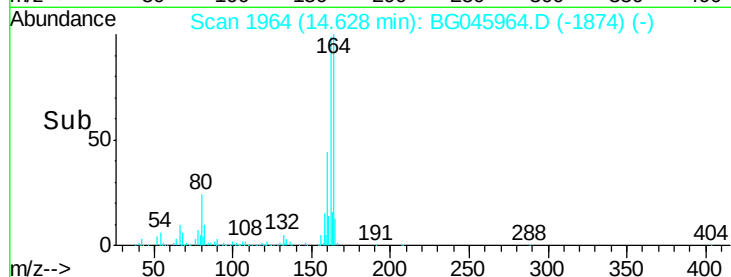
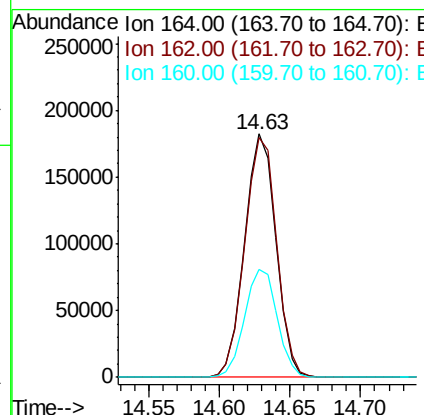
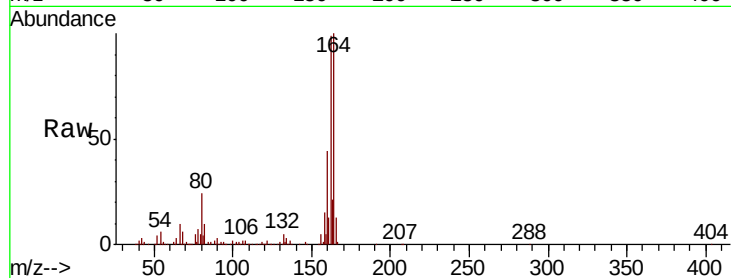
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.3	118.9
160	44.2	35.7	53.5

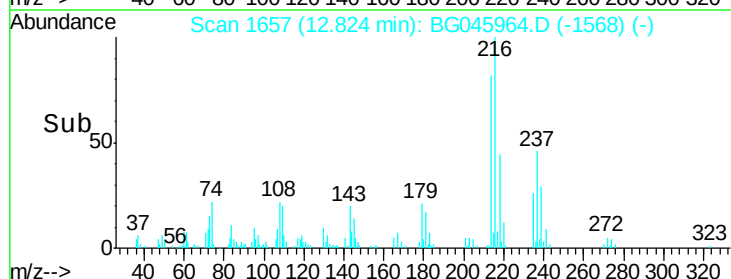
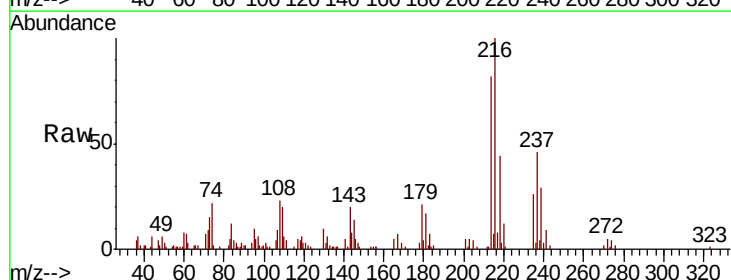
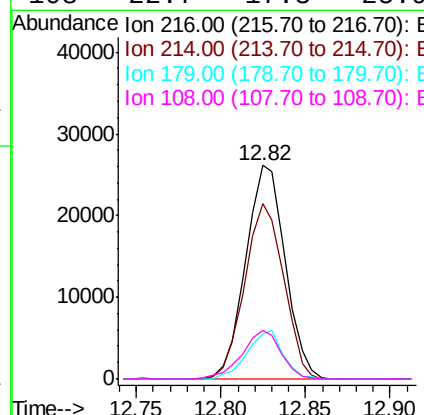
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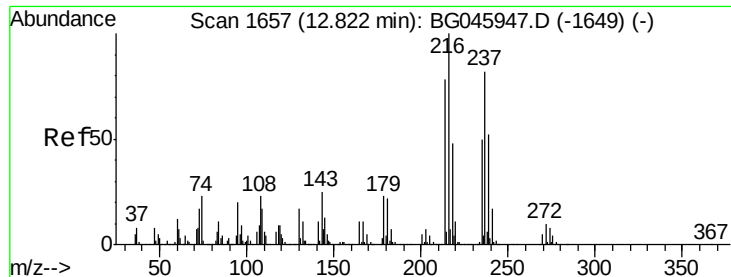
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.317 ng
RT: 12.82 min Scan# 1657
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
216	100		
214	81.1	63.0	94.4
179	20.7	17.0	25.6
108	22.7	17.3	25.9





#41

Hexachlorocyclopentadiene

Concen: 4.932 ng

RT: 12.81 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

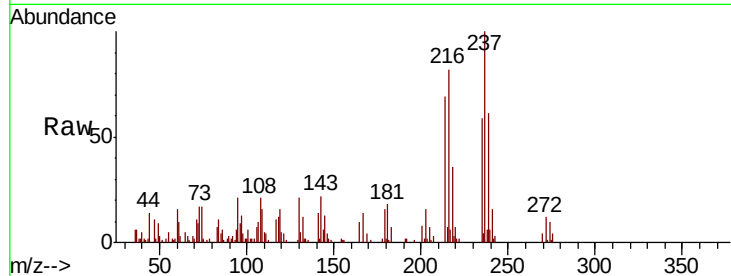
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

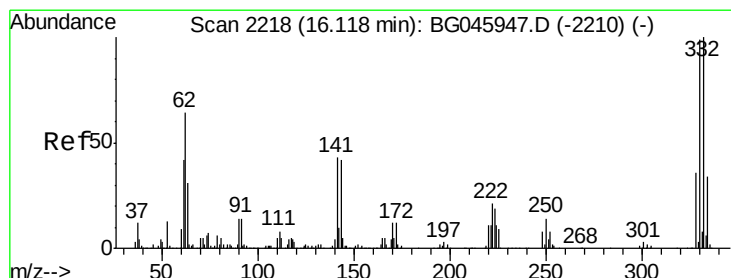
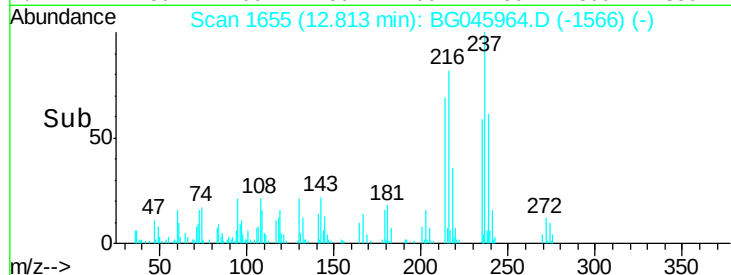
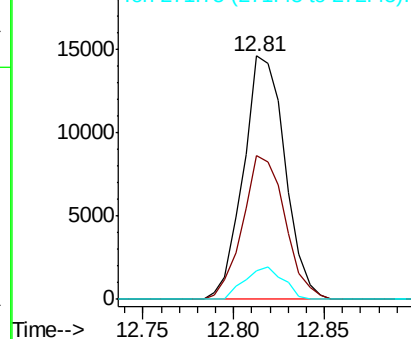
Tot Ion:	237	Resp:	23432
Ion Ratio	Lower	Upper	
237	100		
235	59.2	41.5	81.5
272	11.5	0.0	31.7

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



#42

2,4,6-Tribromophenol

Concen: 174.420 ng

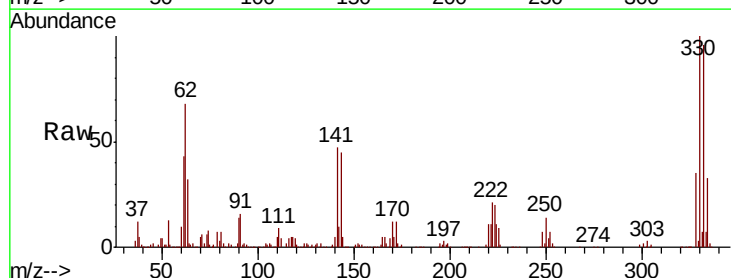
RT: 16.11 min Scan# 2217

Delta R.T. -0.00 min

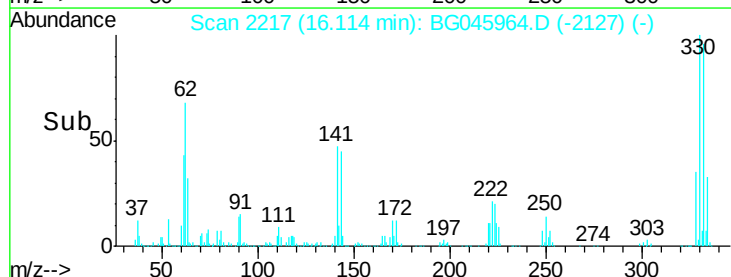
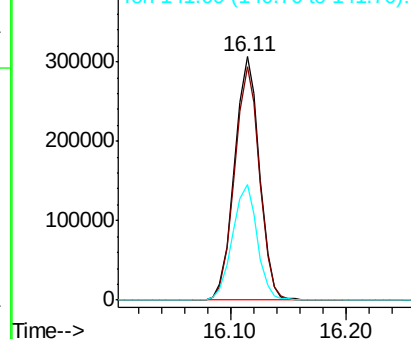
Lab File: BG045964.D

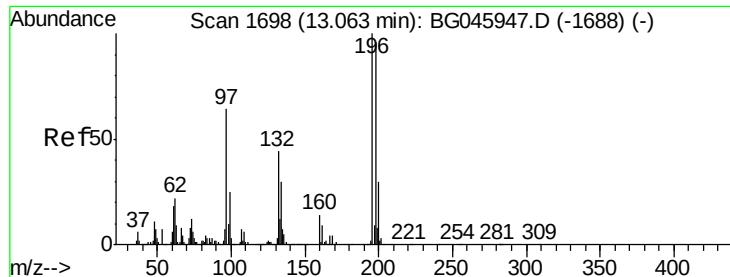
Acq: 7 Jul 2020 18:00

Tgt Ion:	330	Resp:	459828
Ion Ratio	Lower	Upper	
330	100		
332	95.5	78.3	117.5
141	47.0	36.6	54.8



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





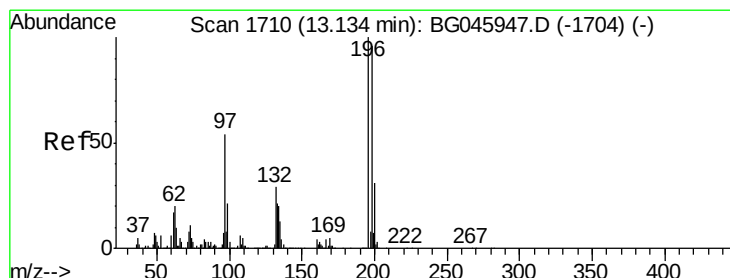
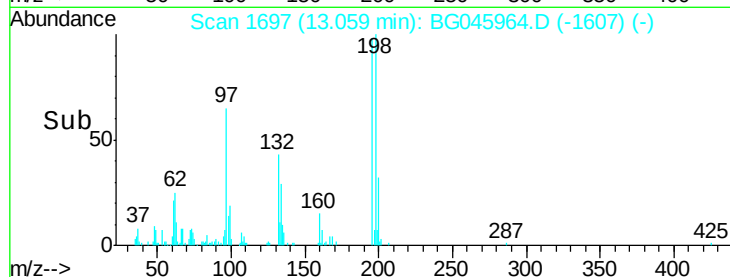
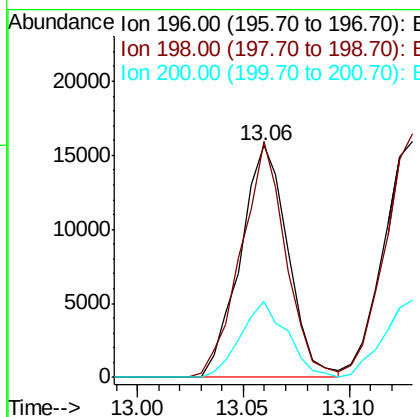
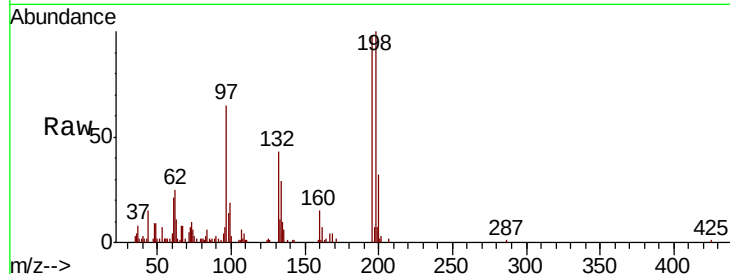
#43
2,4,6-Trichlorophenol
Concen: 4.526 ng
RT: 13.06 min Scan# 1697
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Lower	Upper
196	100		
198	101.8	76.7	115.1
200	32.7	24.3	36.5

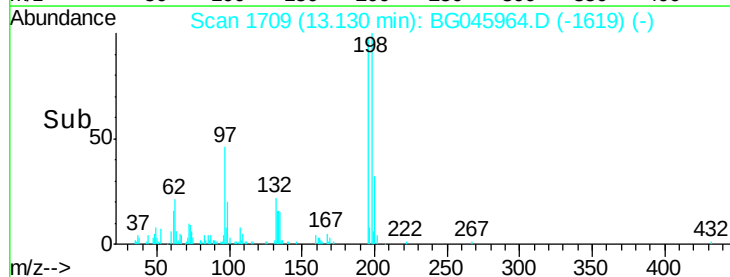
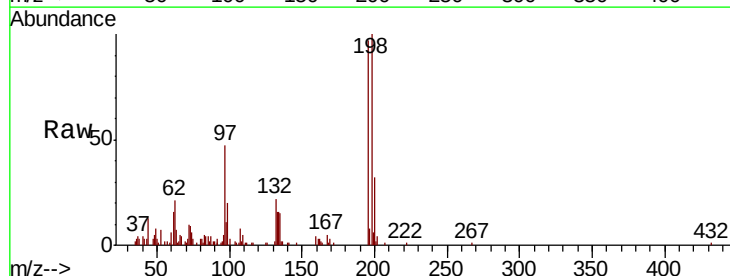
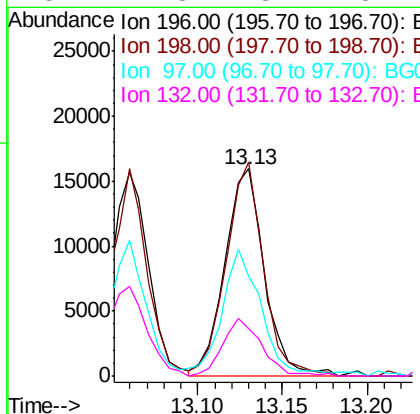
Manual Integrations
APPROVED

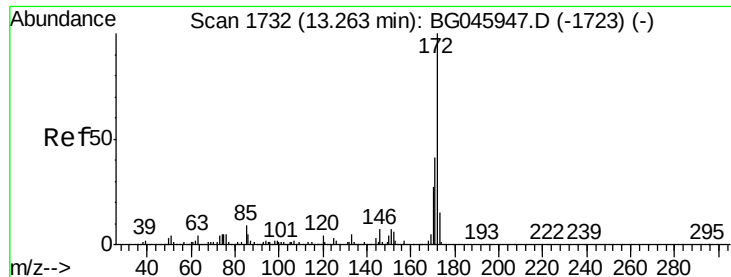
mohammad
7/9/2020 10:55:26 AM



#44
2,4,5-Trichlorophenol
Concen: 4.229 ng
RT: 13.13 min Scan# 1709
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
196	100		
198	103.1	77.0	115.6
97	48.2	44.3	66.5
132	22.8	23.1	34.7#





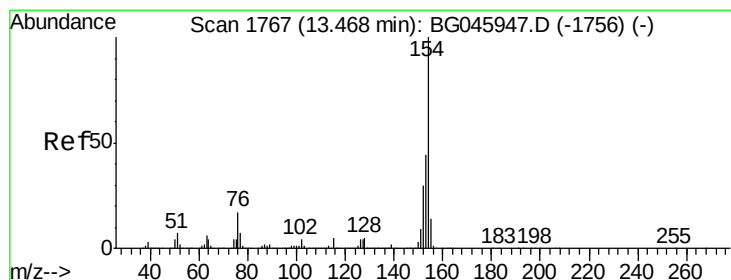
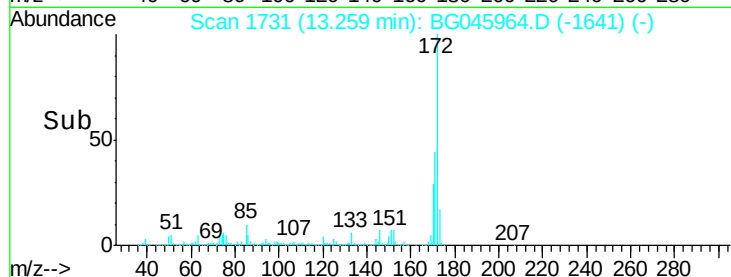
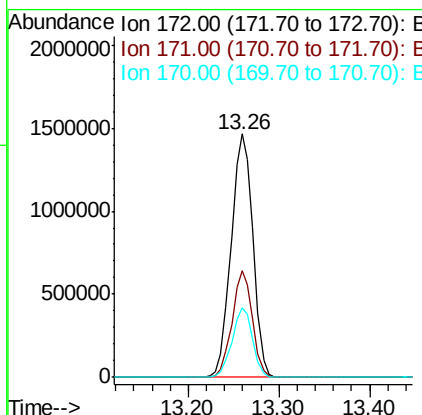
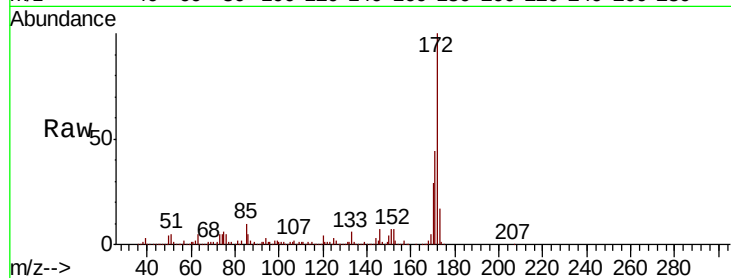
#45
2-Fluorobiphenyl
Concen: 134.278 ng
RT: 13.26 min Scan# 1731
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	43.7	32.9	49.3
170	28.7	21.8	32.6

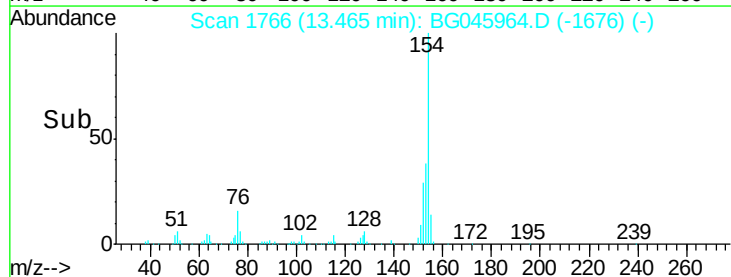
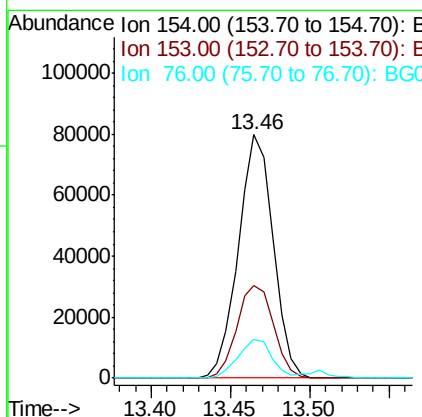
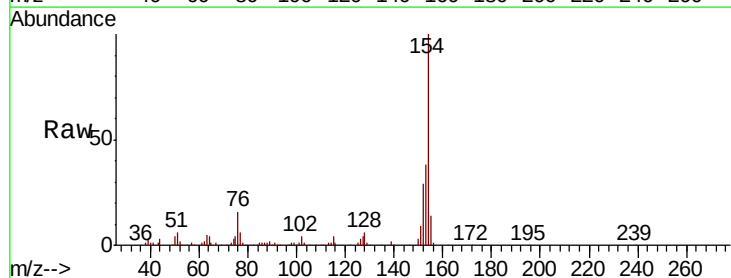
Manual Integrations
APPROVED

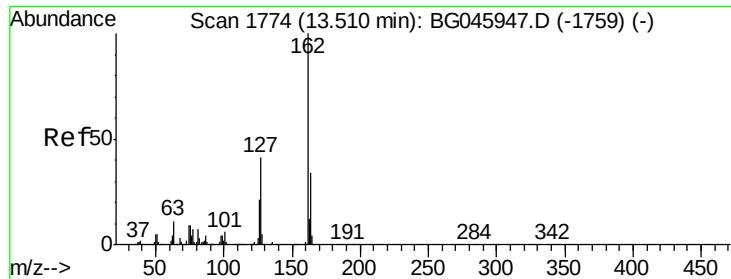
mohammad
7/9/2020 10:55:26 AM



#46
1,1'-Biphenyl
Concen: 5.689 ng
RT: 13.46 min Scan# 1766
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.2	23.6	63.6
76	15.9	0.0	36.9





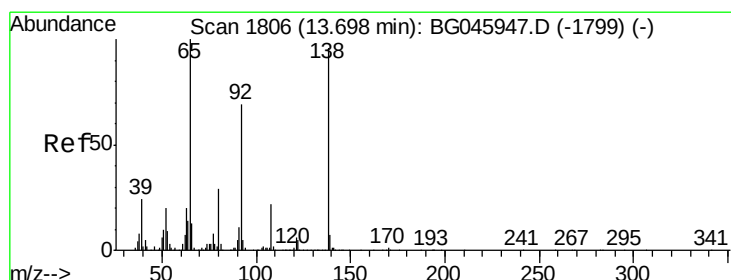
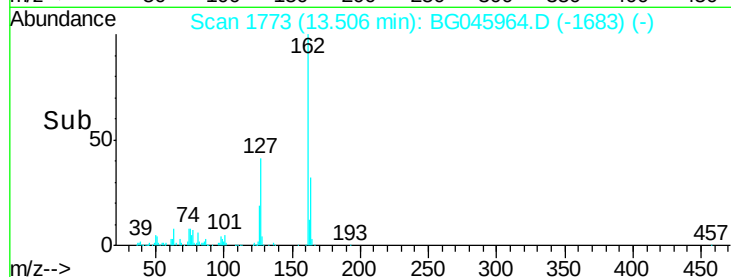
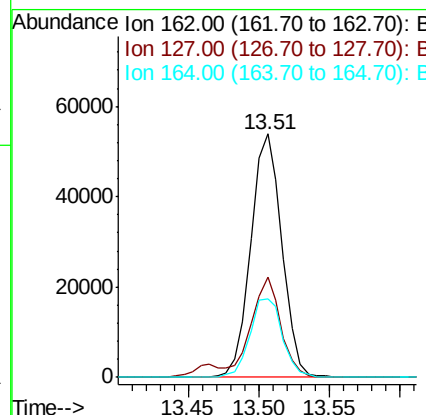
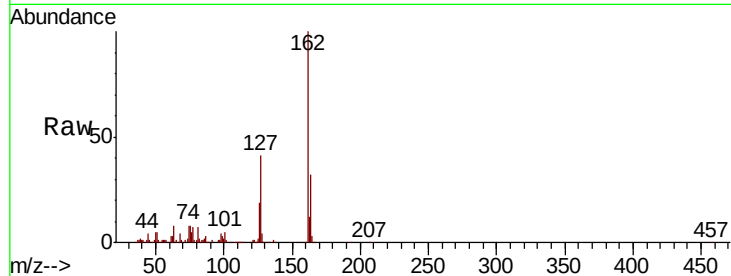
#47
2-Chloronaphthalene
Concen: 4.945 ng
RT: 13.51 min Scan# 1773
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.0	32.5	48.7
164	32.4	27.2	40.8

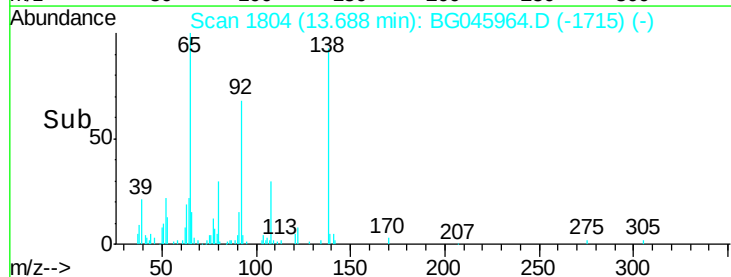
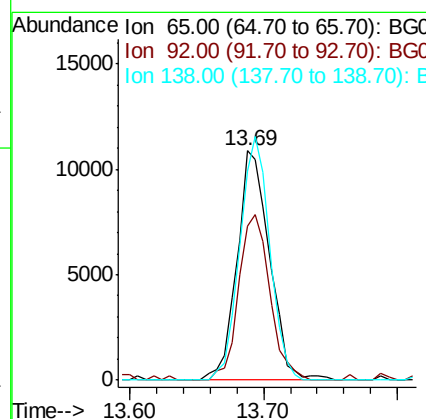
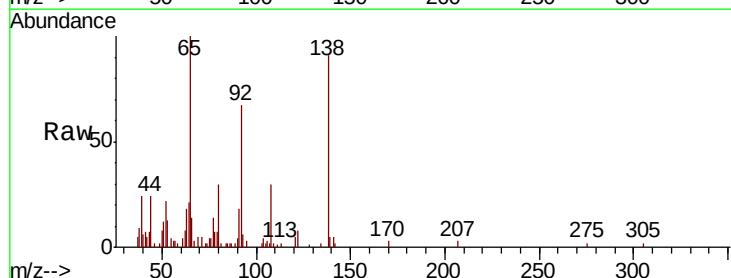
Manual Integrations
APPROVED

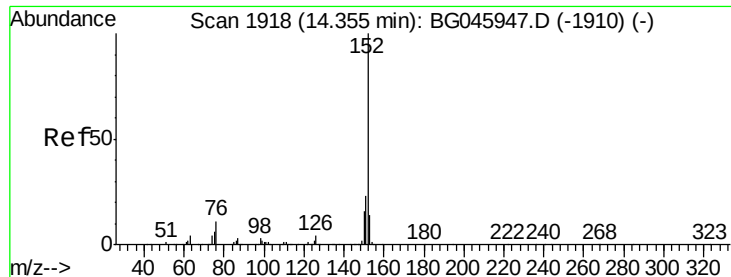
mohammad
7/9/2020 10:55:26 AM



#48
2-Nitroaniline
Concen: 4.648 ng
RT: 13.69 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
65	100		
92	67.3	55.4	83.0
138	91.3	77.0	115.4





#49

Acenaphthylene

Concen: 5.246 ng

RT: 14.35 min Scan# 1917

Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

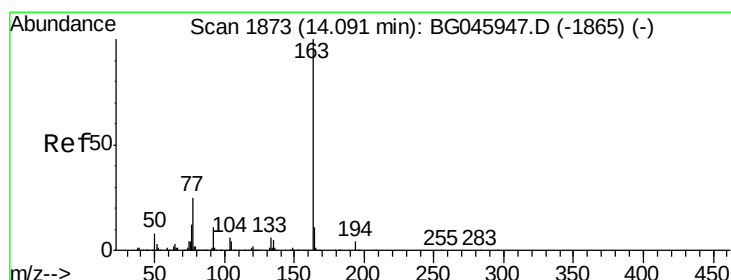
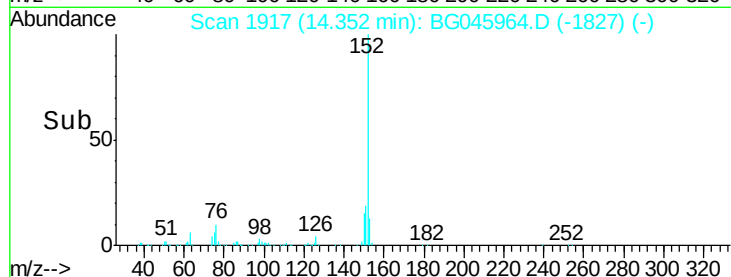
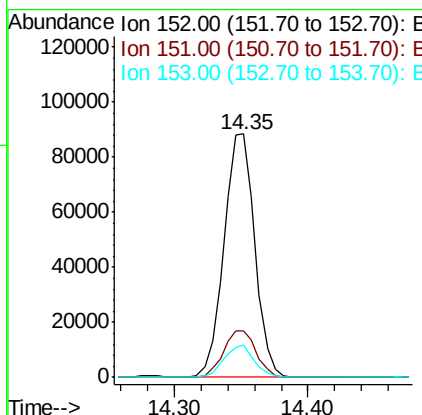
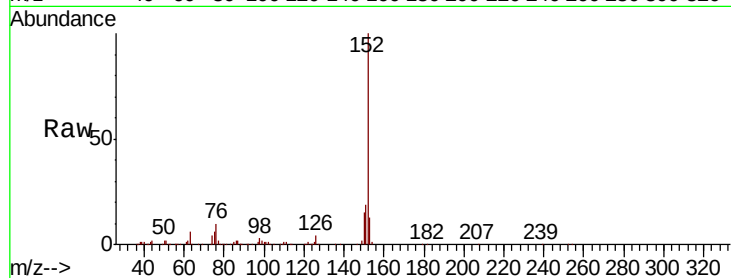
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	152	Resp:	142711
Ion Ratio	Lower	Upper	
152	100		
151	18.9	18.1	27.1
153	13.5	11.5	17.3

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#50

Dimethylphthalate

Concen: 4.740 ng

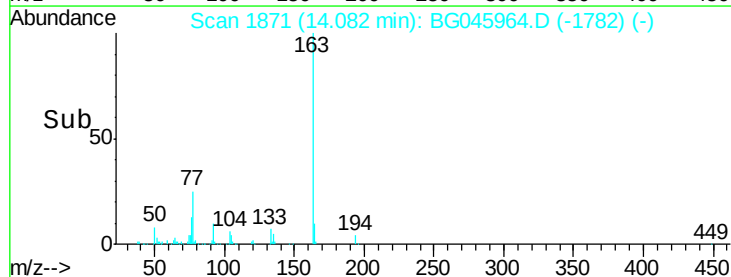
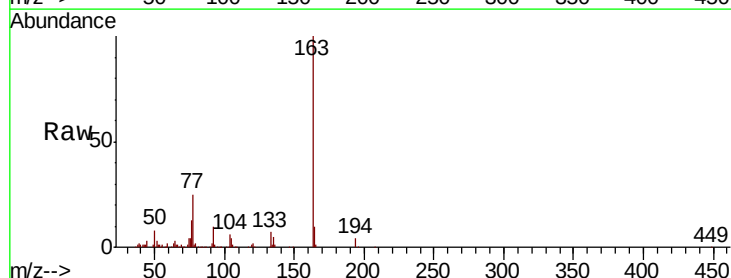
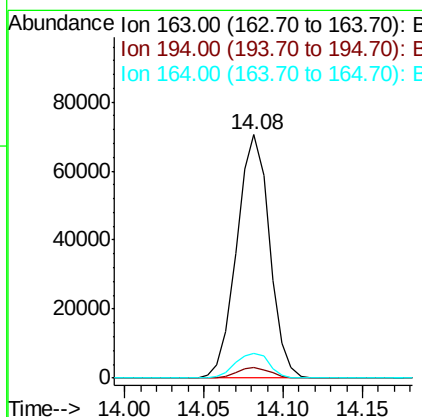
RT: 14.08 min Scan# 1871

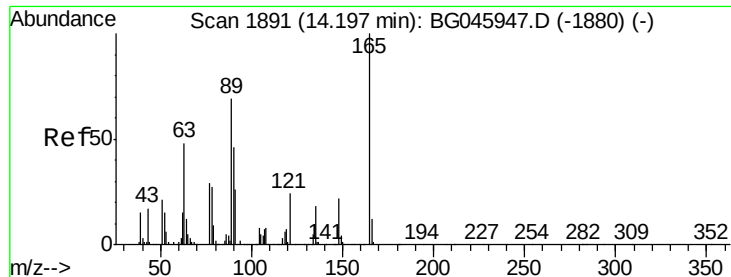
Delta R.T. -0.01 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Tgt Ion:	163	Resp:	101052
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.6	5.4
164	10.4	8.9	13.3





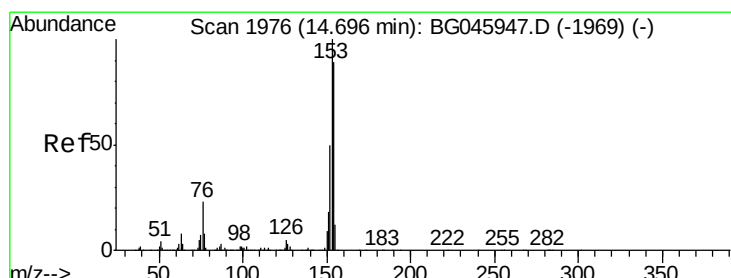
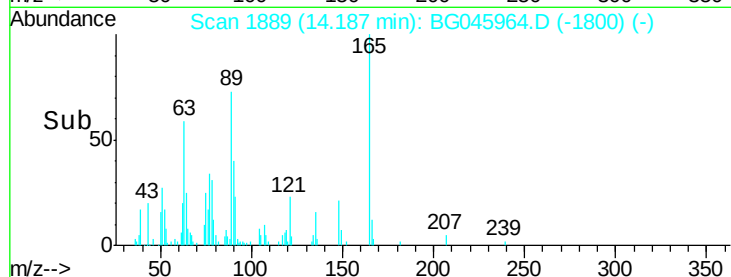
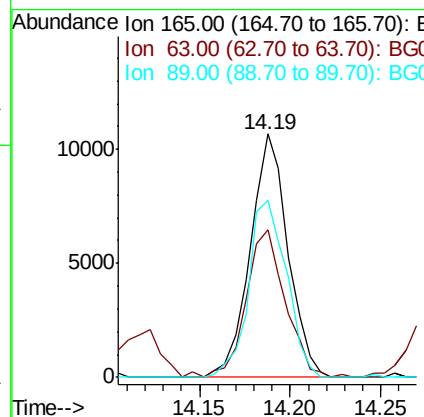
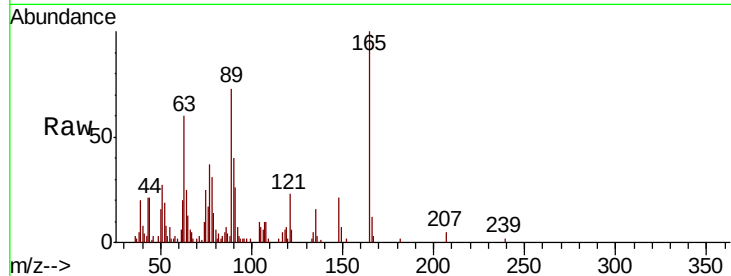
#51
2,6-Dinitrotoluene
Concen: 4.654 ng
RT: 14.19 min Scan# 1889
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Lower	Upper
165	100		
63	60.4	51.0	76.4
89	72.7	55.7	83.5

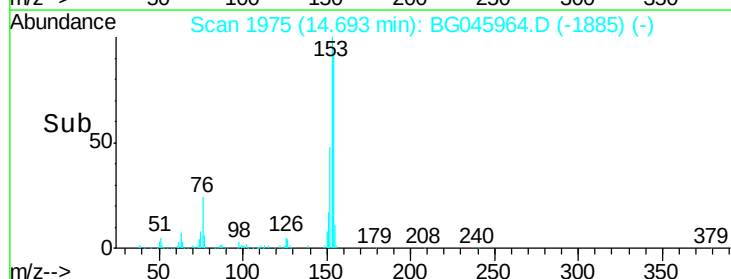
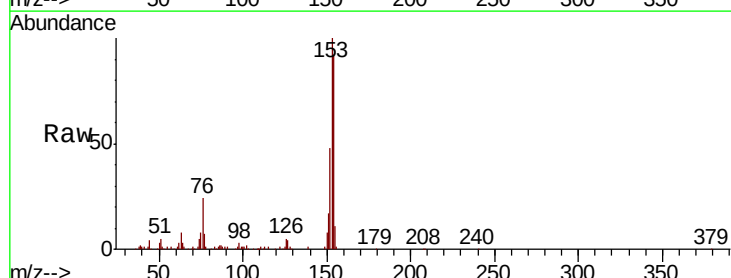
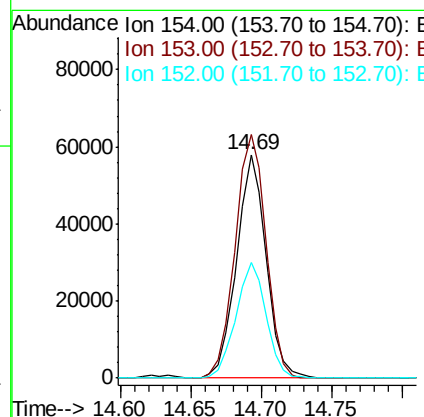
Manual Integrations
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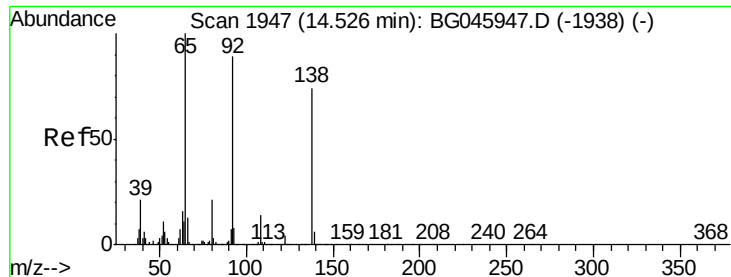
mohammad
7/9/2020 10:55:26 AM



#52
Acenaphthene
Concen: 4.921 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
154	100		
153	109.1	89.7	134.5
152	51.9	44.7	67.1





#53

3-Nitroaniline

Concen: 4.173 ng

RT: 14.52 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

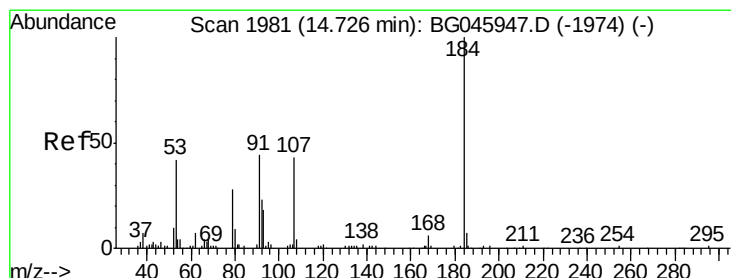
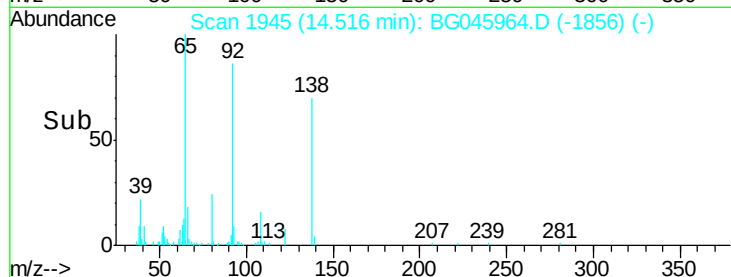
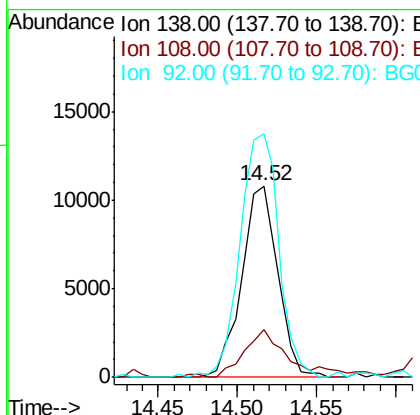
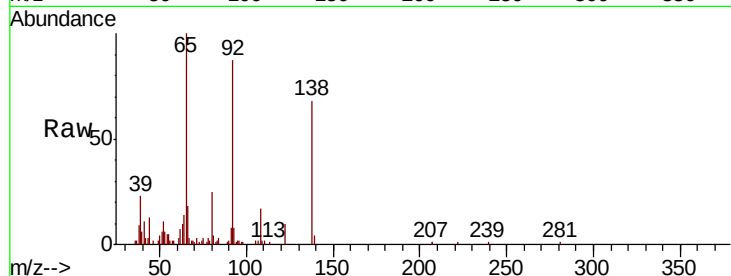
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
138	100		
108	25.2	15.4	23.2#
92	127.0	95.9	143.9

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#54

2,4-Dinitrophenol

Concen: 2.882 ng

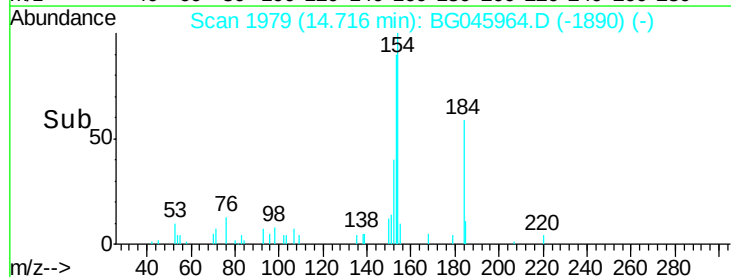
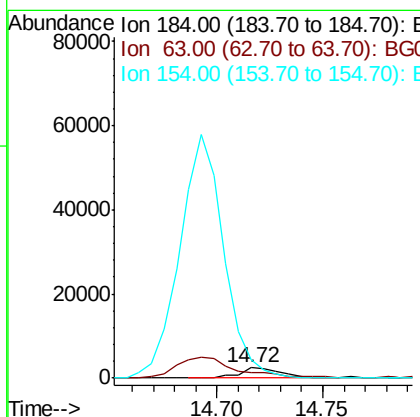
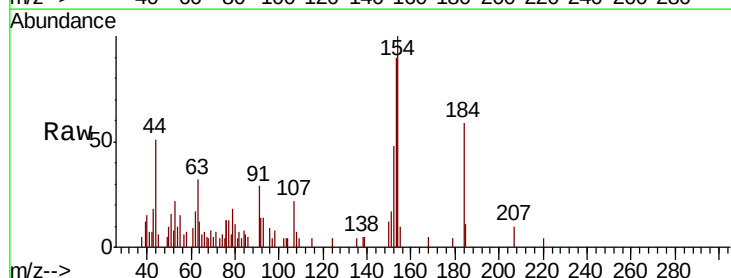
RT: 14.72 min Scan# 1979

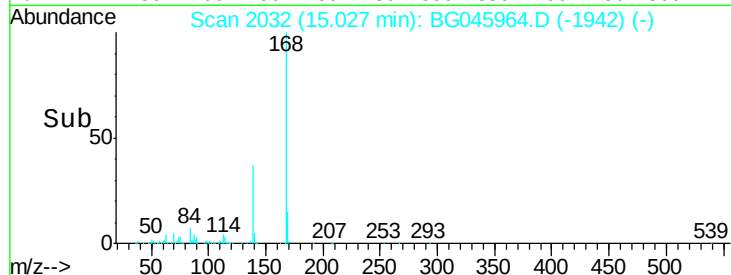
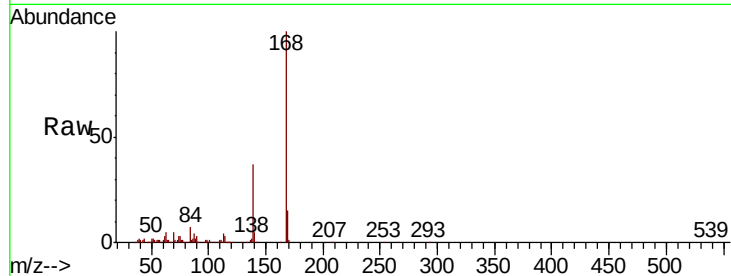
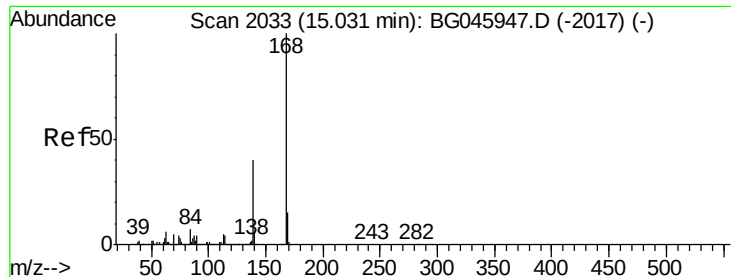
Delta R.T. -0.01 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
184	100		
63	54.0	46.0	69.0
154	170.9	58.2	87.2#





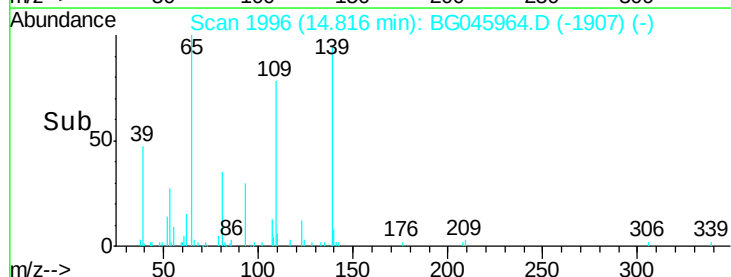
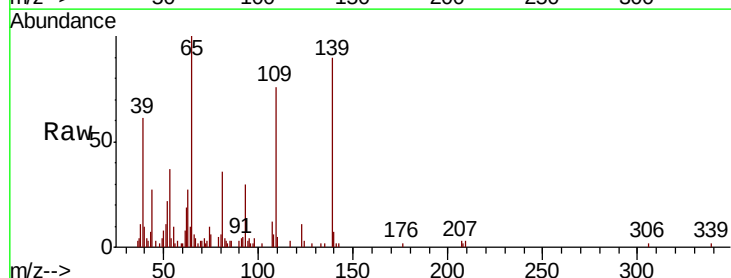
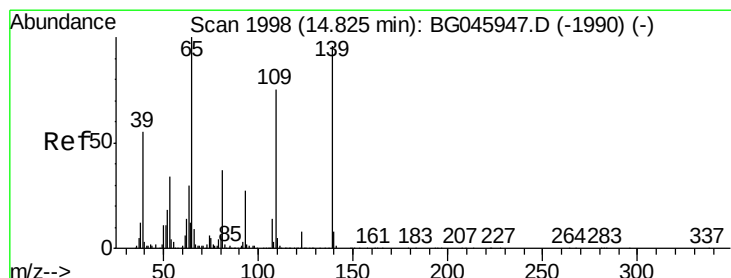
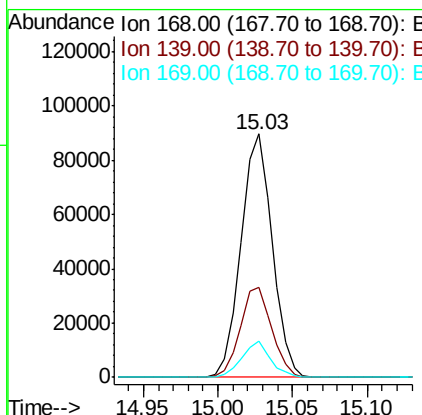
#55
Dibenzofuran
Concen: 5.175 ng
RT: 15.03 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.9	32.2	48.2
169	15.0	11.8	17.8

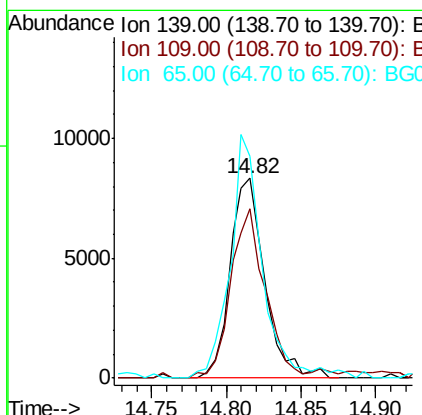
Manual Integrations
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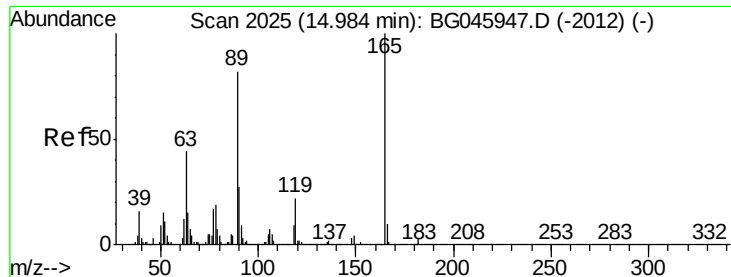
mohammad
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#56
4-Nitrophenol
Concen: 3.890 ng
RT: 14.82 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
139	100		
109	84.7	58.5	98.5
65	111.0	84.7	124.7





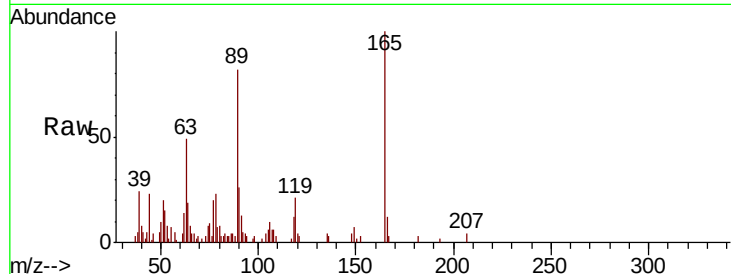
#57
2,4-Dinitrotoluene
Concen: 4.180 ng
RT: 14.97 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

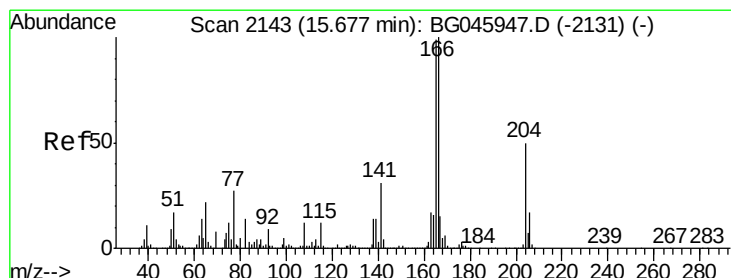
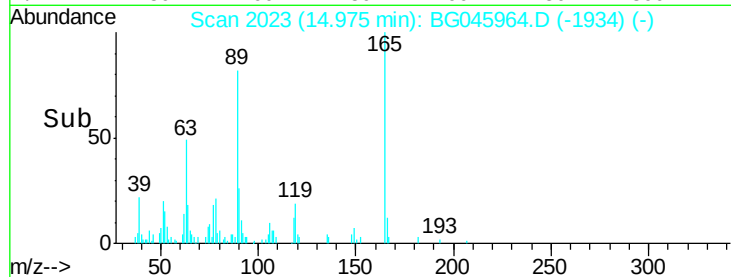
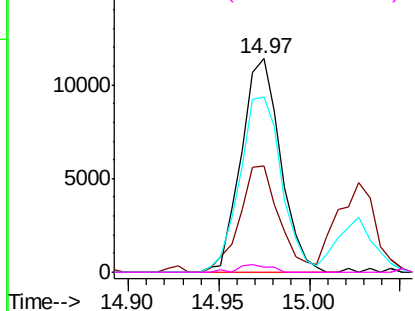
Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		17084		
63	49.5	35.4	53.0		
89	81.9	65.4	98.2		
182	2.6	2.0	3.0		

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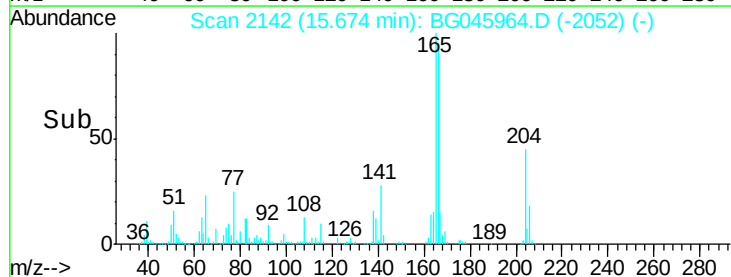
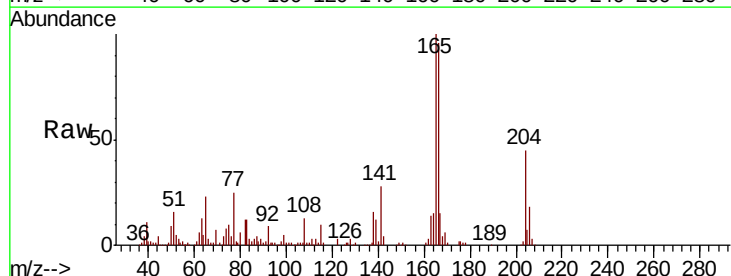
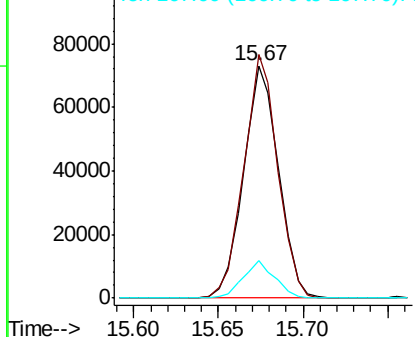
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG
Ion 182.00 (181.70 to 182.70): E

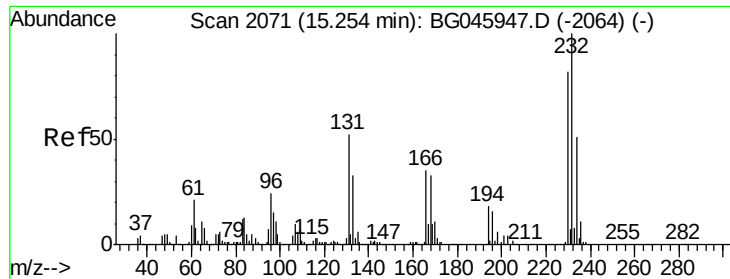


#58
Fluorene
Concen: 5.094 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		105099		
165	104.7	78.9	118.3		
167	15.9	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





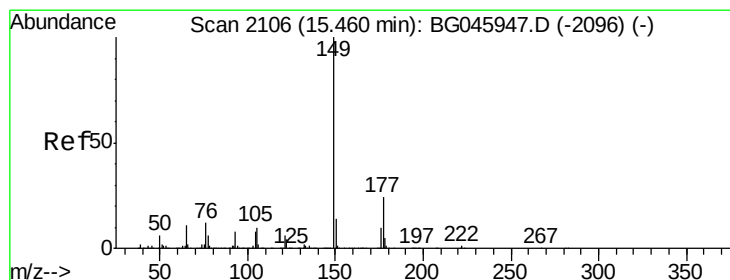
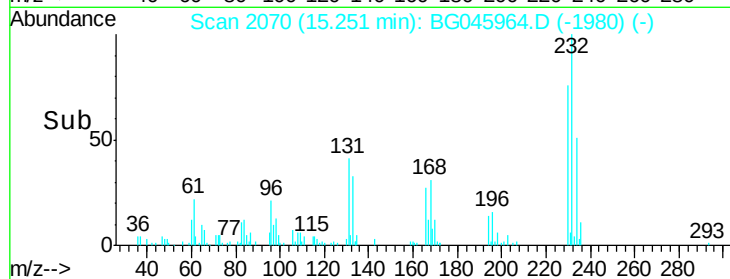
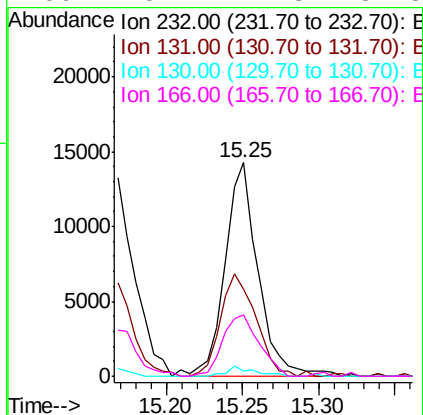
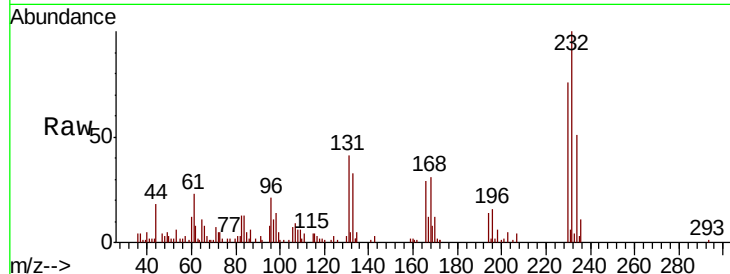
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 4.521 ng m
 RT: 15.25 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Lower	Upper
232	100		
131	43.9	35.8	53.6
130	2.4	2.5	3.7#
166	26.1	21.8	32.8

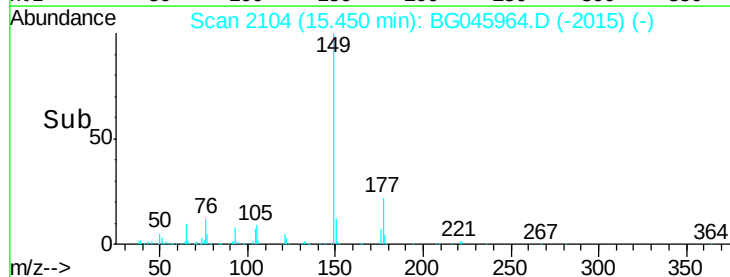
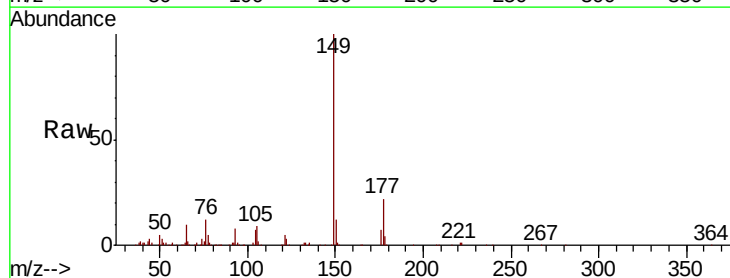
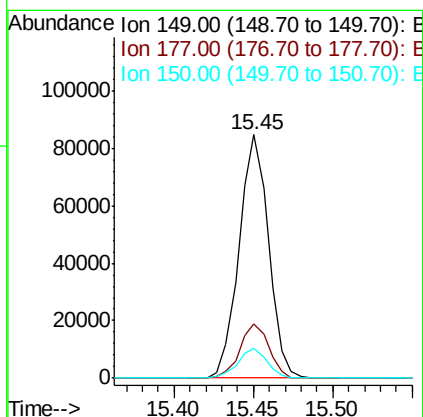
Manual Integrations
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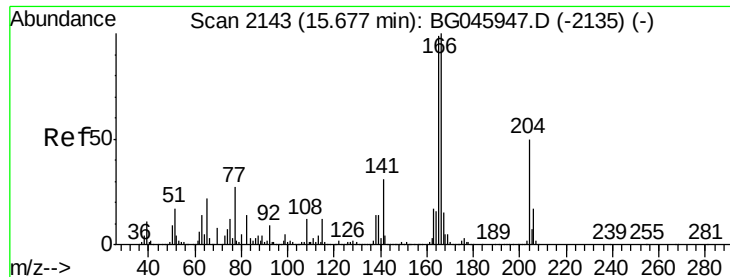
mohammad
 7/9/2020 10:55:26 AM



#60
 Diethylphthalate
 Concen: 4.867 ng
 RT: 15.45 min Scan# 2104
 Delta R.T. -0.01 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.1	19.0	28.4
150	12.3	11.0	16.4





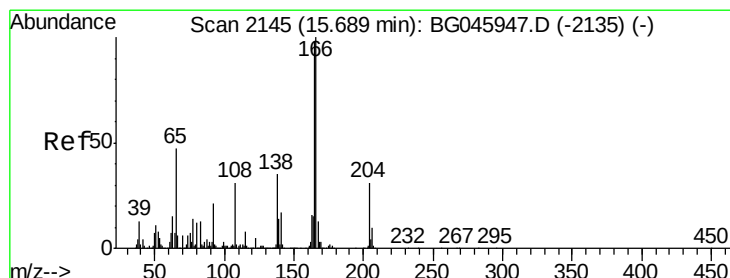
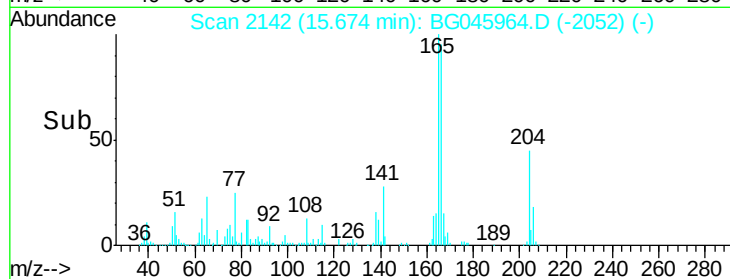
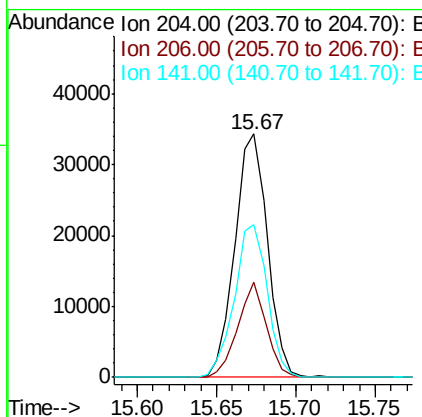
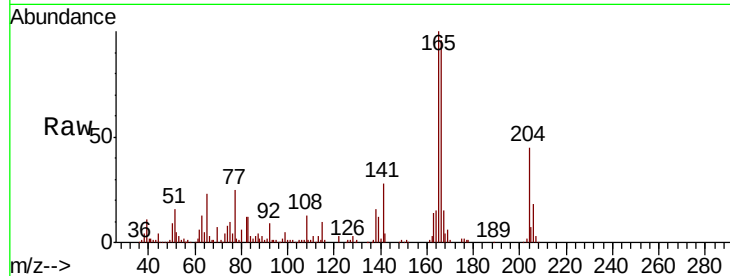
#61
4-Chlorophenyl-phenylether
Concen: 4.755 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Lower	Upper
204	100		
206	39.3	27.1	40.7
141	62.7	49.8	74.8

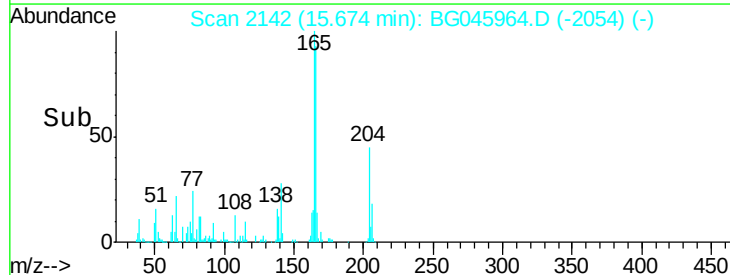
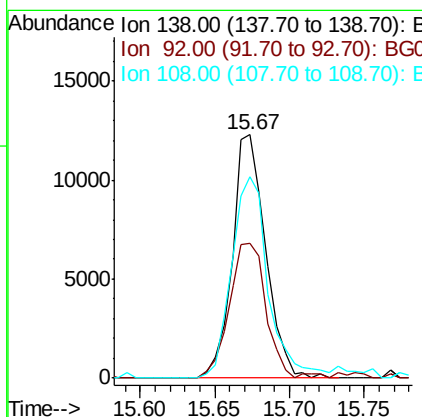
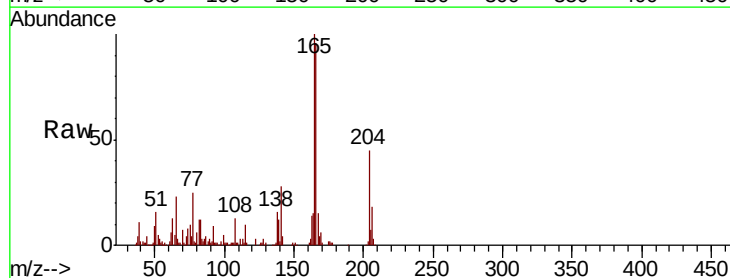
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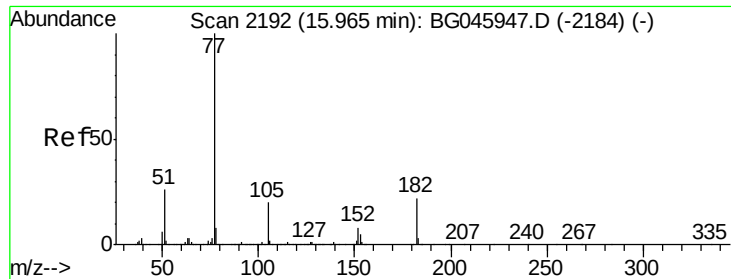
mohammad
7/9/2020 10:55:26 AM



#62
4-Nitroaniline
Concen: 4.335 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.02 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
138	100		
92	55.5	40.3	80.3
108	82.6	68.0	108.0





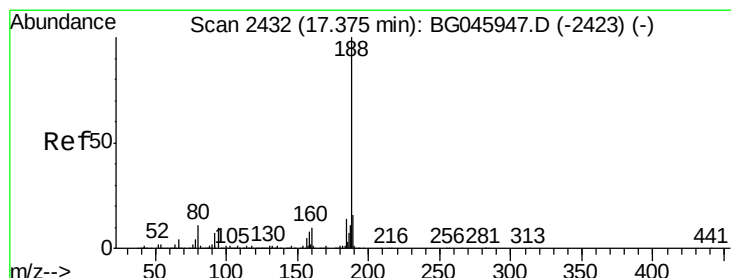
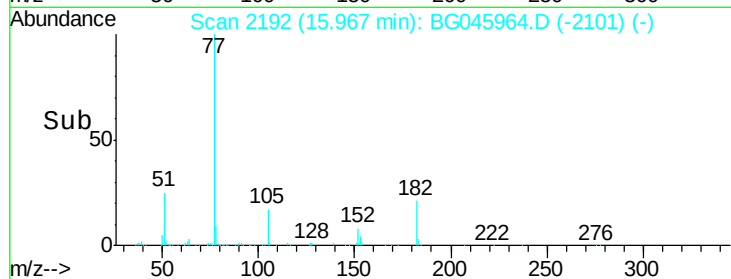
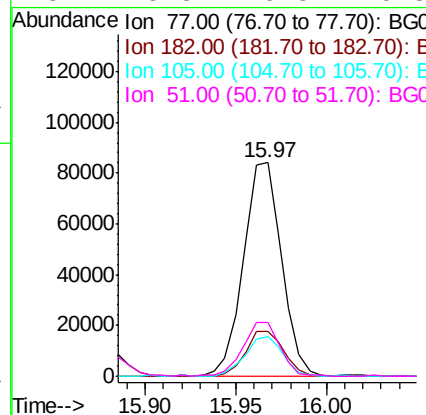
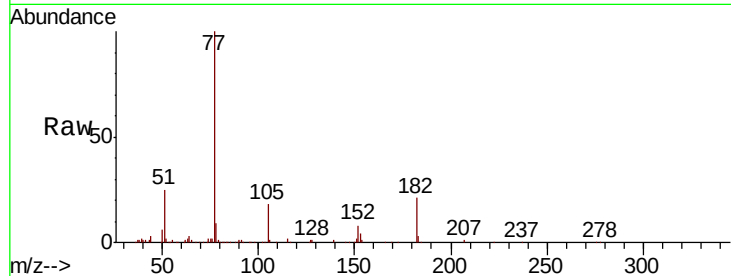
#63
Azobenzene
Concen: 5.152 ng
RT: 15.97 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	21.2	2.4	42.4		
105	18.5	0.3	40.3		
51	25.3	6.3	46.3		

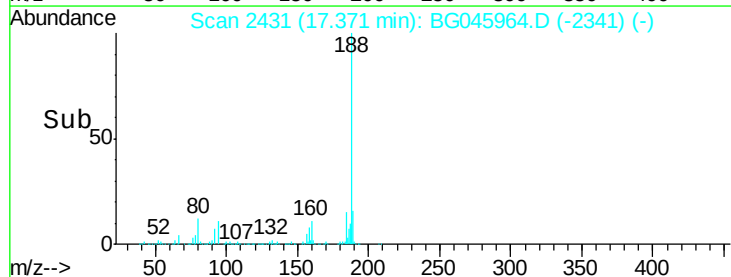
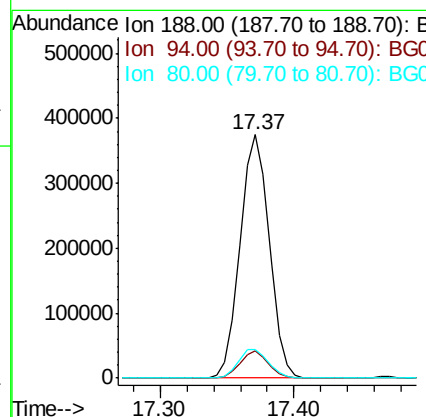
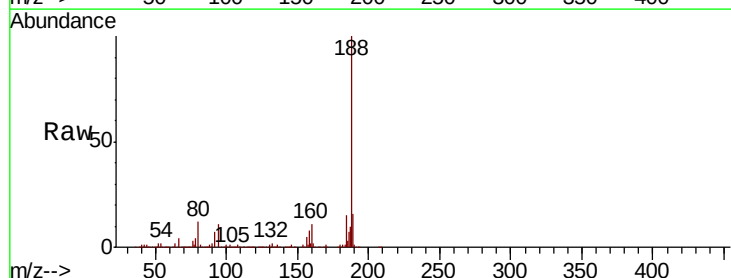
Manual Integrations
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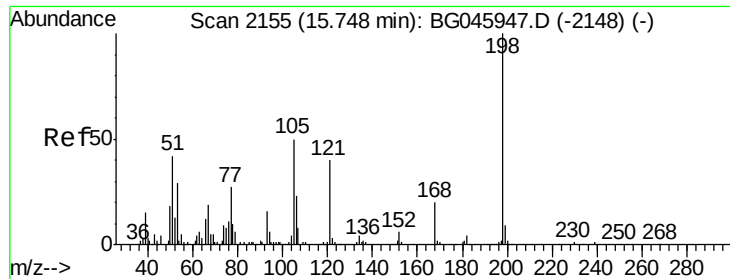
mohammad
7/9/2020 10:55:26 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	11.4	8.2	12.4		
80	11.7	9.0	13.6		





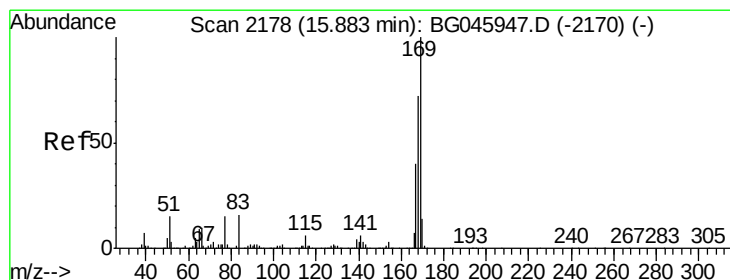
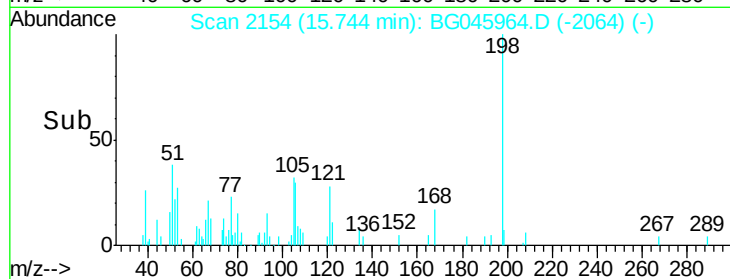
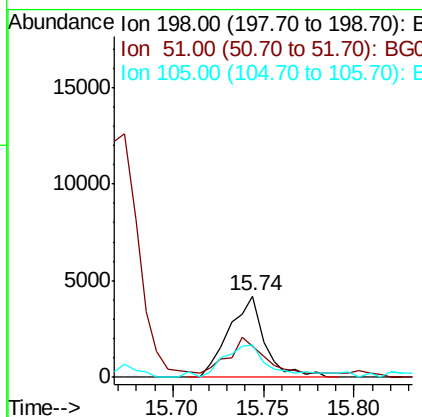
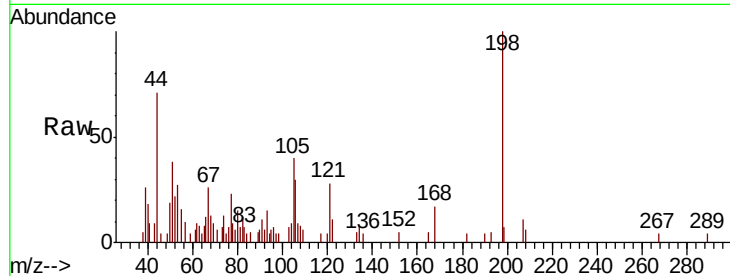
#65
 4,6-Dinitro-2-methylphenol
 Concen: 3.476 ng
 RT: 15.74 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Resp	Lower	Upper
198	100	5773		
51	38.4		24.5	64.5
105	40.2		30.9	70.9

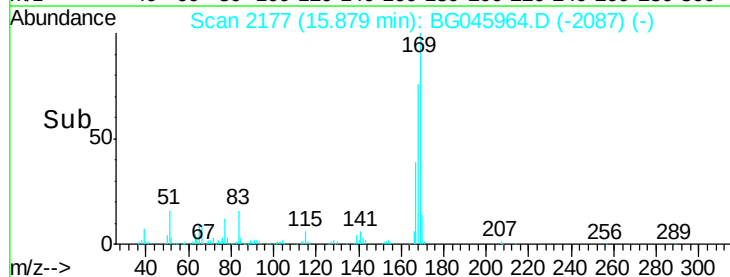
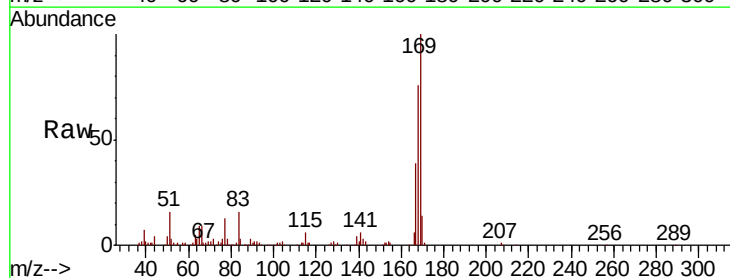
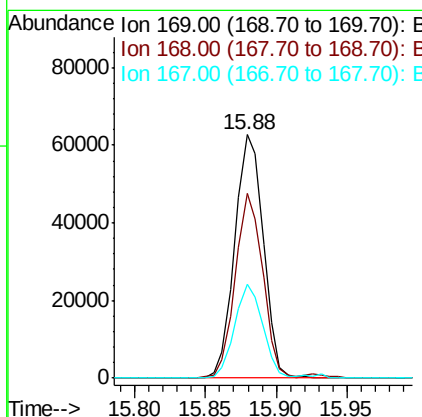
Manual Integrations
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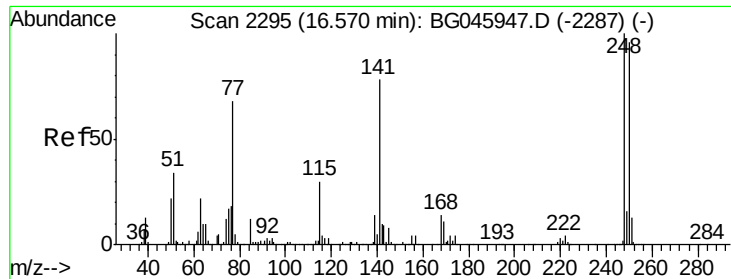
mohammad
 7/9/2020 10:55:26 AM



#66
 n-Nitrosodiphenylamine
 Concen: 5.048 ng
 RT: 15.88 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	88706		
168	75.7		57.3	85.9
167	38.7		32.1	48.1





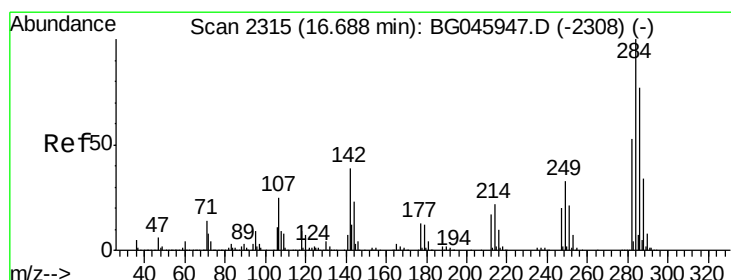
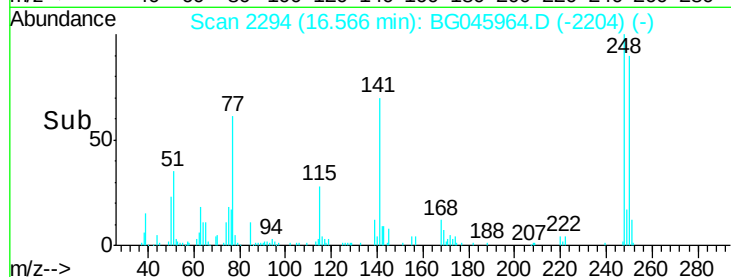
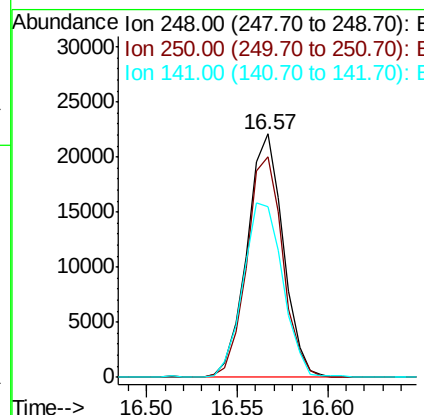
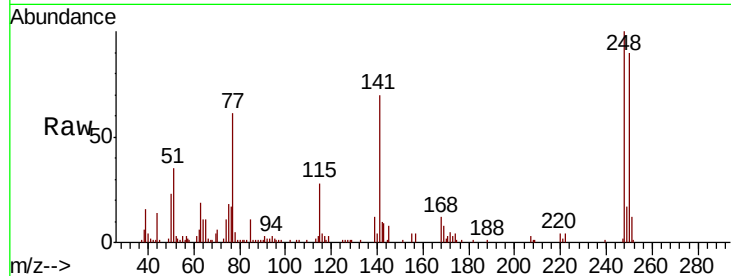
#67
4-Bromophenyl-phenylether
Concen: 4.829 ng
RT: 16.57 min Scan# 2294
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Lower	Upper
248	100		
250	90.4	76.6	114.8
141	70.3	62.7	94.1

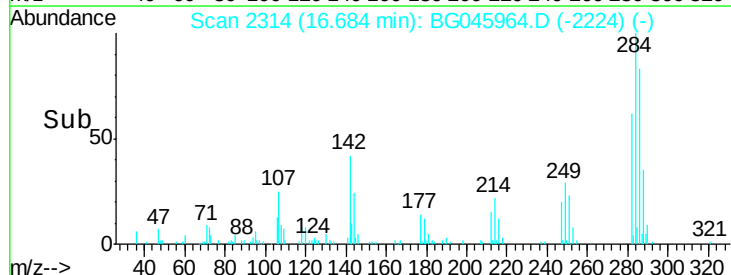
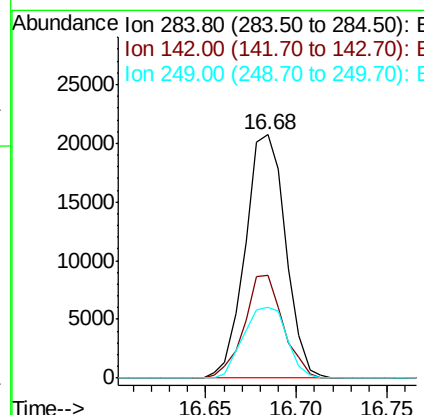
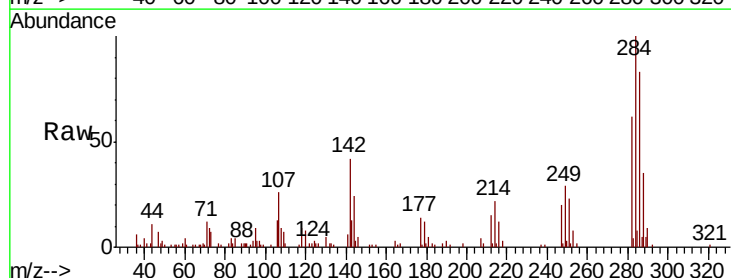
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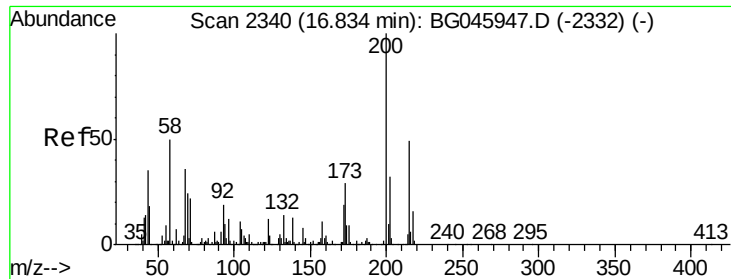
mohammad
7/9/2020 10:55:26 AM



#68
Hexachlorobenzene
Concen: 5.059 ng
RT: 16.68 min Scan# 2314
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
284	100		
142	42.3	31.3	46.9
249	29.1	26.8	40.2





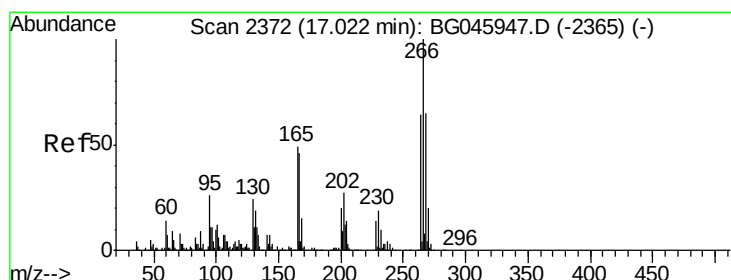
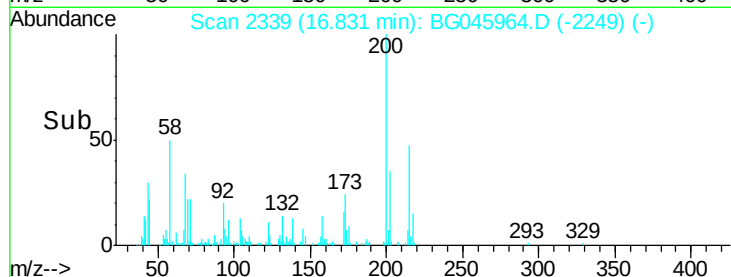
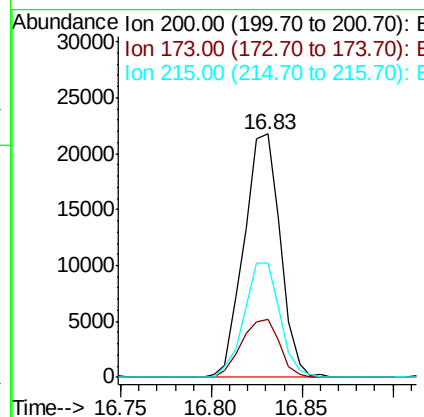
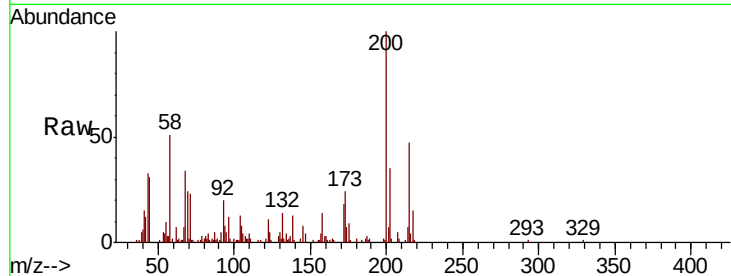
#69
Atrazine
Concen: 5.819 ng
RT: 16.83 min Scan# 2339
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	24.0	9.1	49.1
215	47.1	28.8	68.8

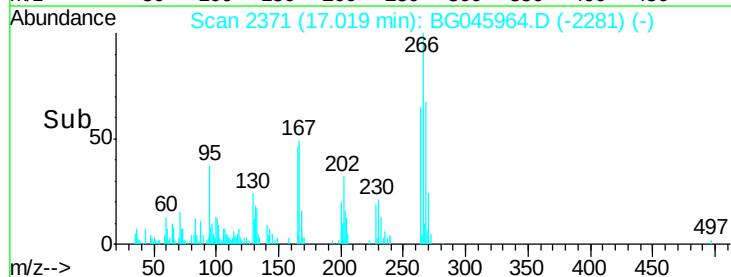
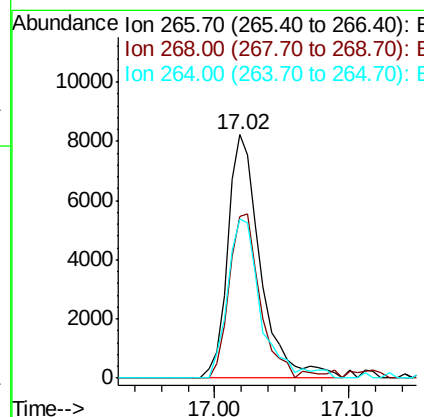
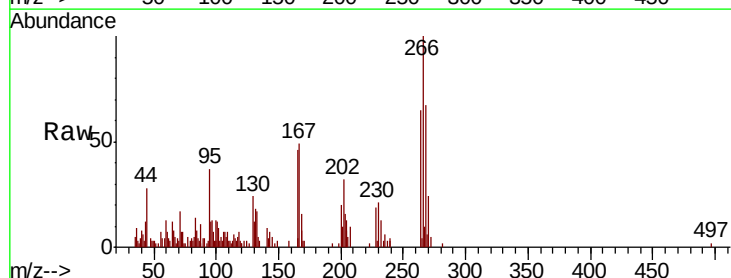
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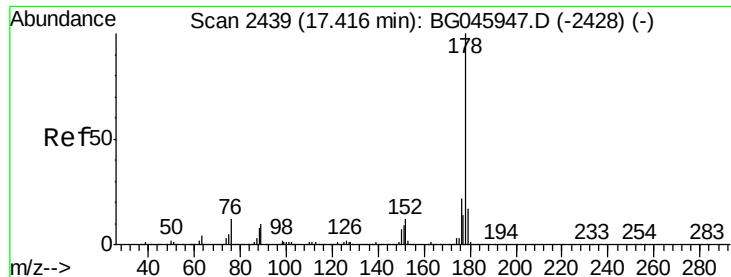
mohammad
7/9/2020 10:55:26 AM



#70
Pentachlorophenol
Concen: 3.992 ng
RT: 17.02 min Scan# 2371
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	66.6	51.8	77.8
264	65.1	51.4	77.0





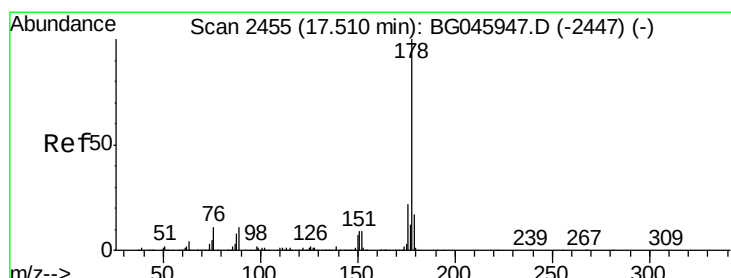
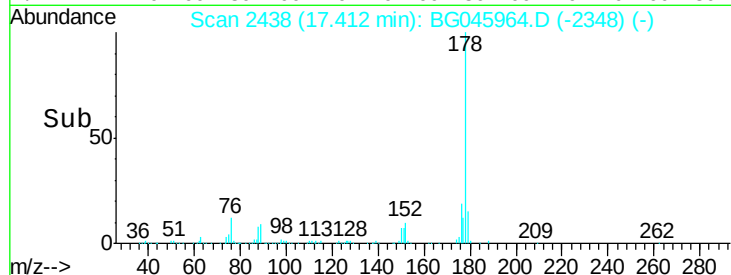
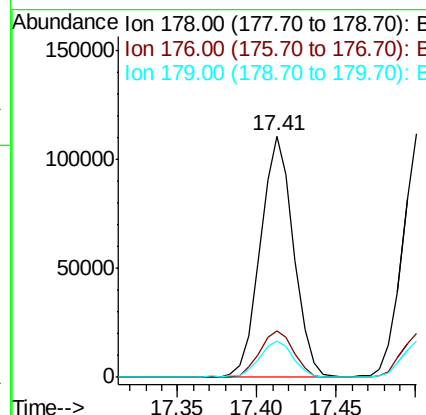
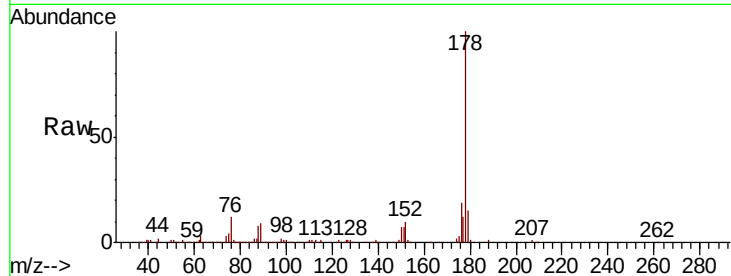
#71
Phenanthrene
Concen: 5.372 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	17.4	26.2
179	15.1	13.4	20.2

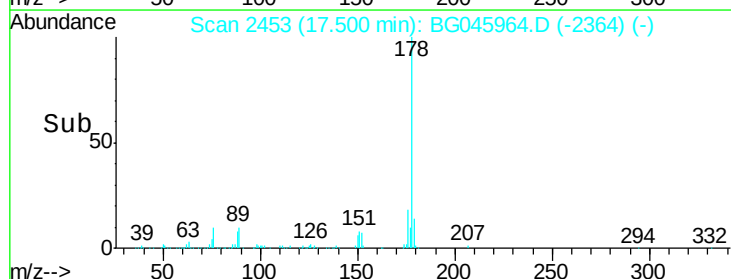
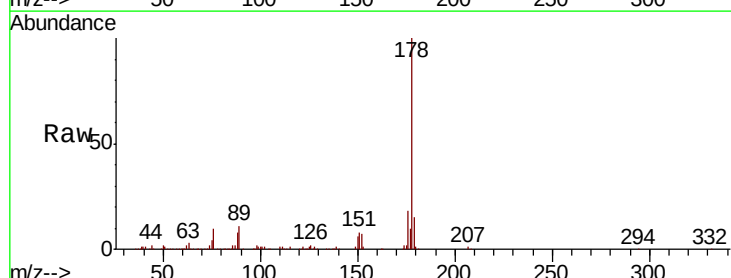
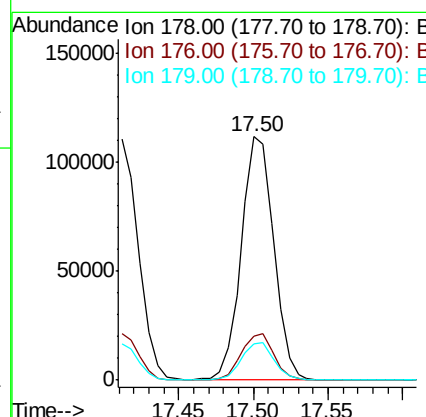
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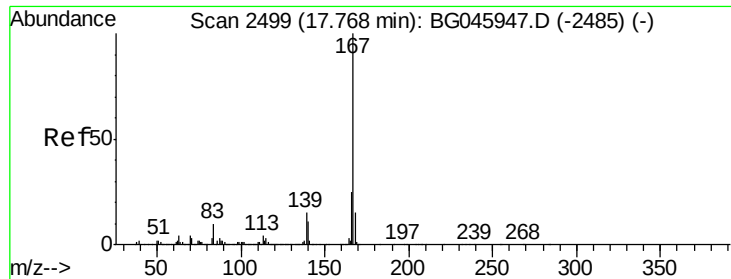
mohammad
7/9/2020 10:55:26 AM



#72
Anthracene
Concen: 5.552 ng
RT: 17.50 min Scan# 2453
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	17.2	25.8
179	14.7	14.0	21.0





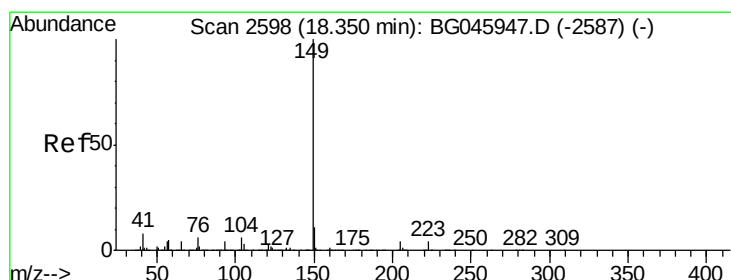
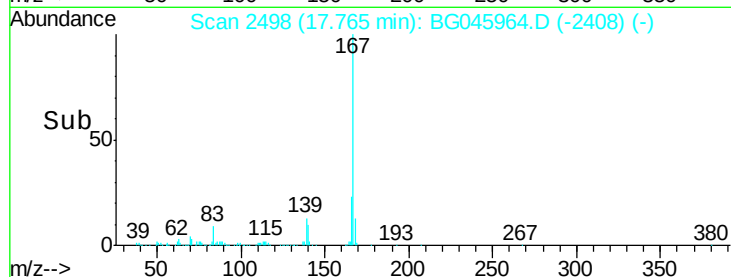
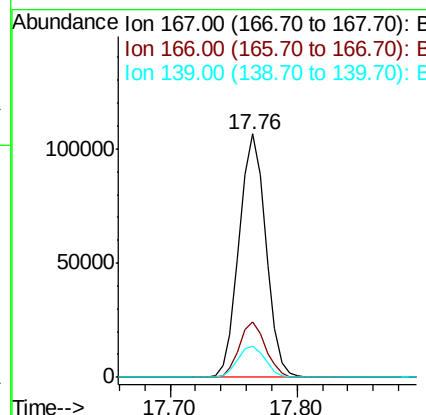
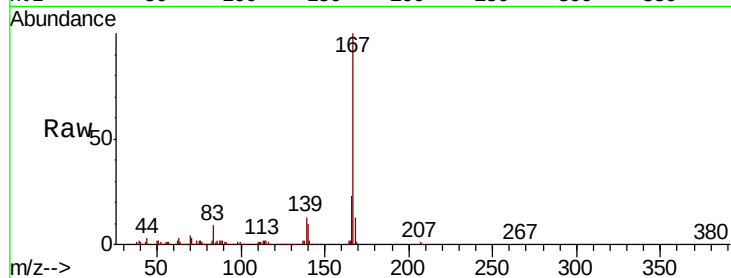
#73
 Carbazole
 Concen: 5.095 ng
 RT: 17.76 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.8	20.4	30.6
139	12.6	11.8	17.8

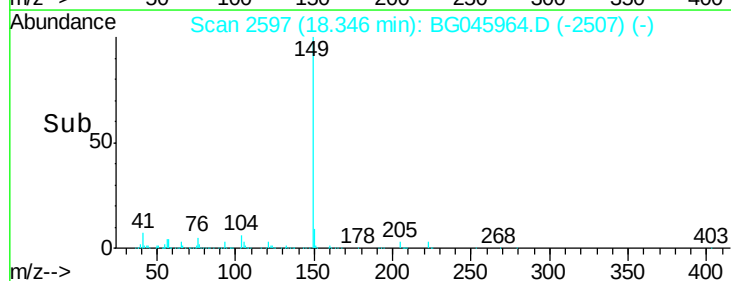
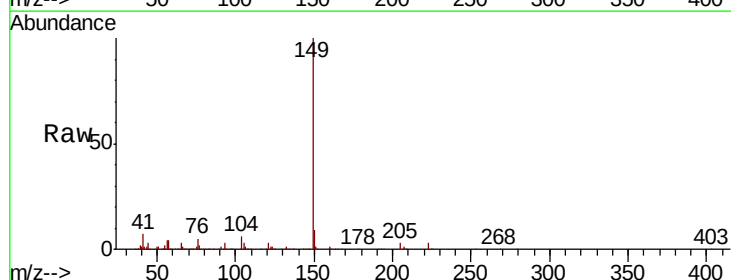
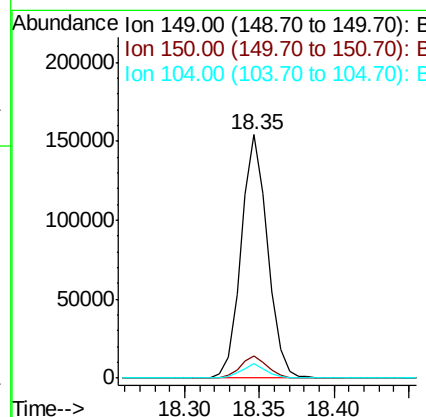
Manual Integrations
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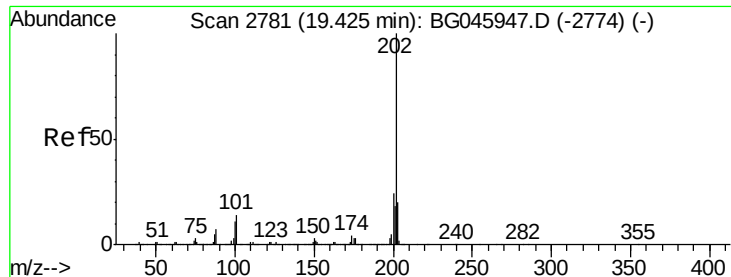
mohammad
 7/9/2020 10:55:26 AM



#74
 Di-n-butylphthalate
 Concen: 5.126 ng
 RT: 18.35 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	9.0	13.4
104	5.9	5.2	7.8





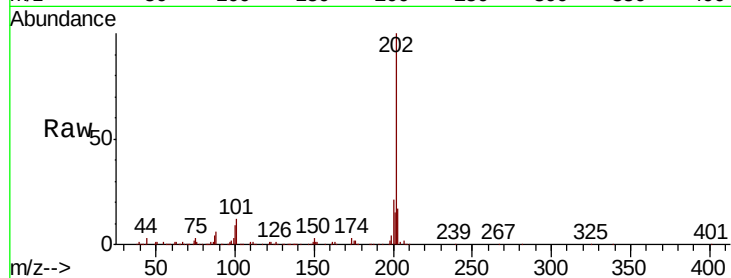
#75
Fluoranthene
Concen: 5.528 ng
RT: 19.42 min Scan# 2780
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

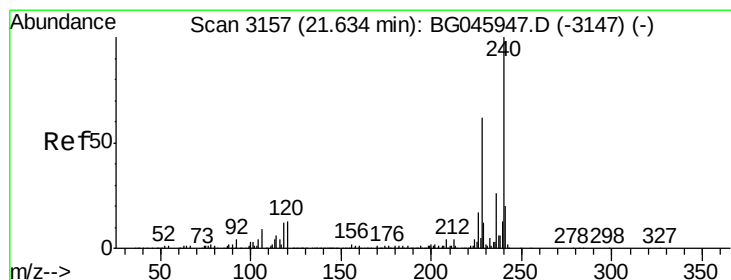
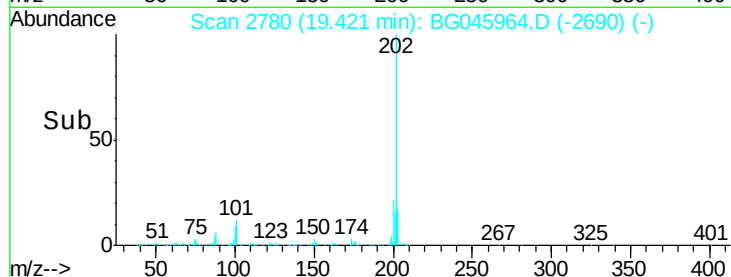
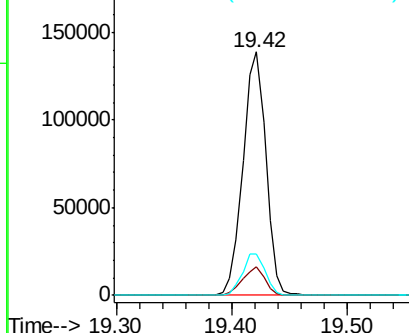
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.5	0.0	33.8
203	17.1	0.4	40.4

Manual Integrations
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mohammad
7/9/2020 10:55:26 AM

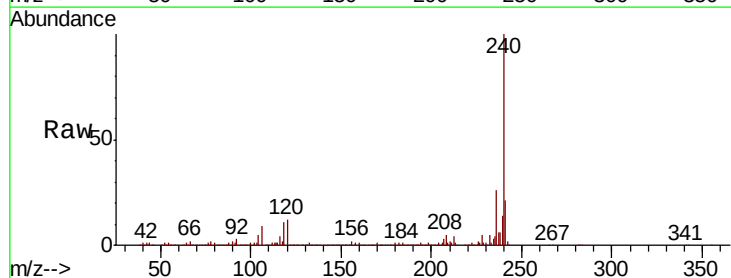


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

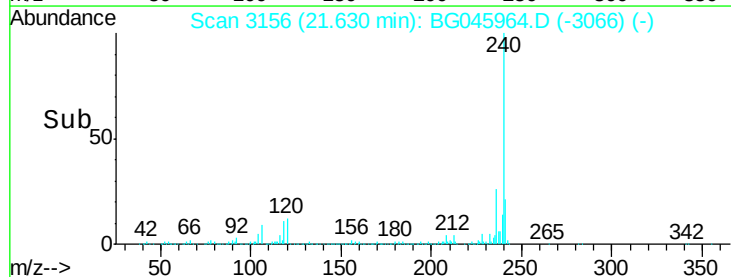
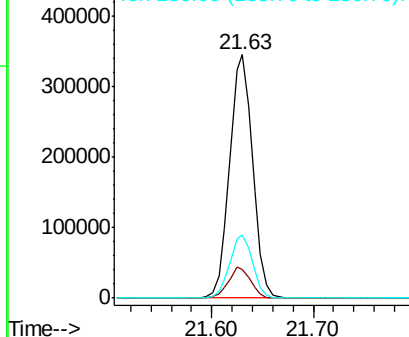


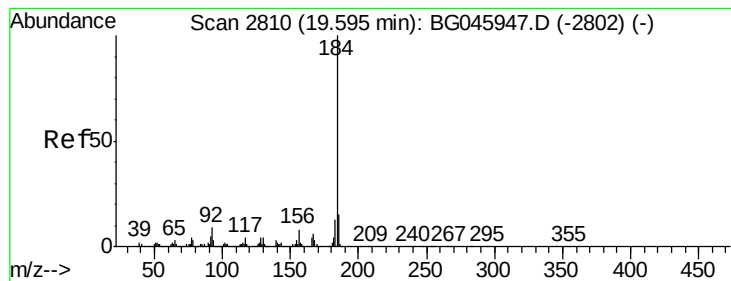
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.6	10.6	16.0
236	26.1	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: 5.753 ng

RT: 19.59 min Scan# 2809

Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

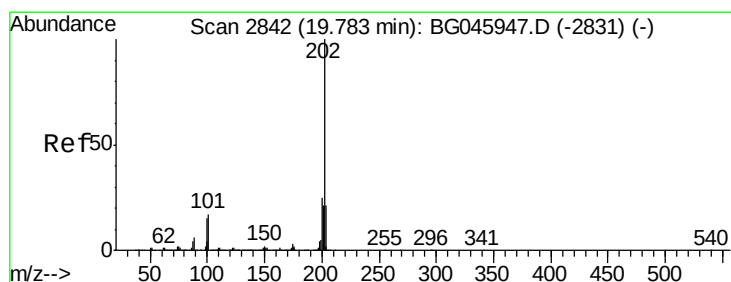
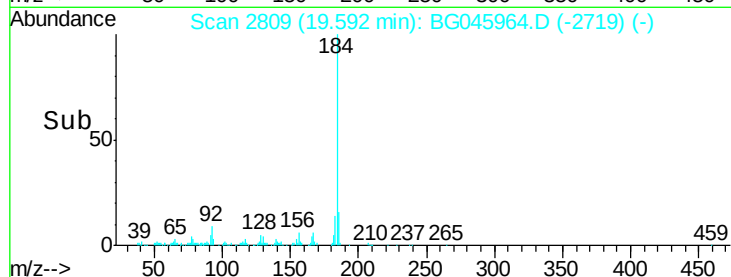
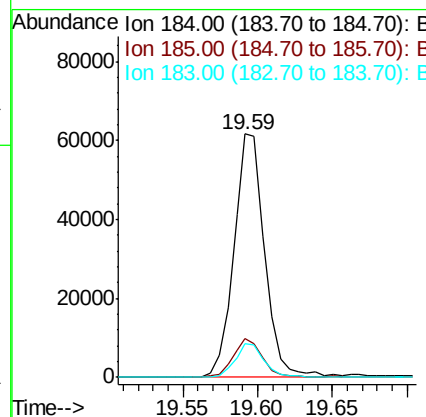
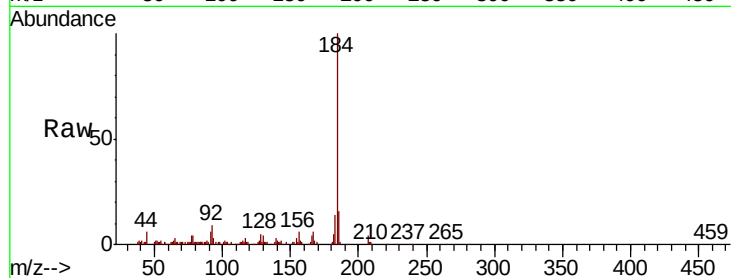
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	184	Resp:	88885
Ion Ratio	Lower	Upper	
184	100		
185	16.0	11.6	17.4
183	13.7	10.4	15.6

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#78

Pyrene

Concen: 5.369 ng

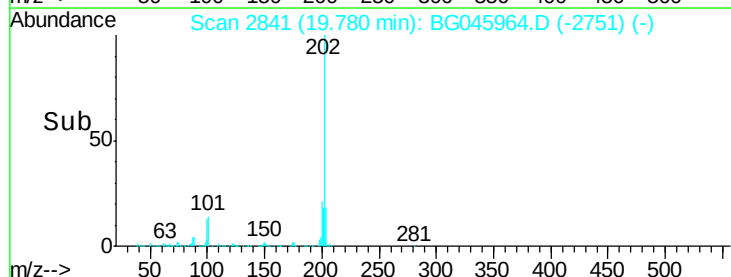
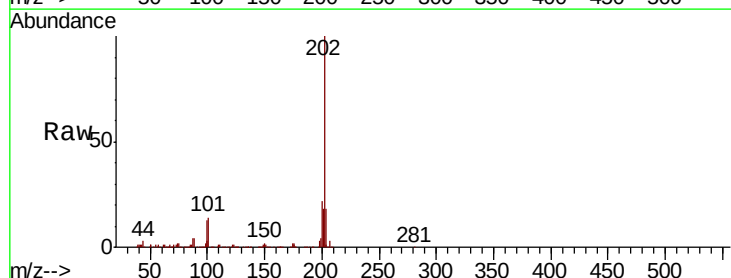
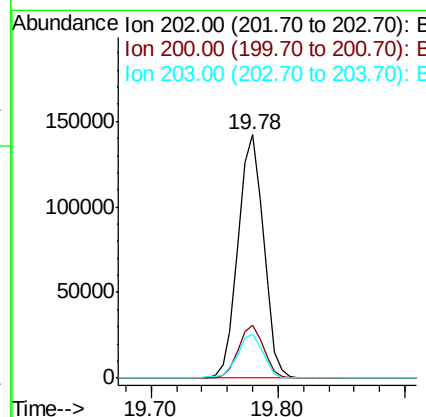
RT: 19.78 min Scan# 2841

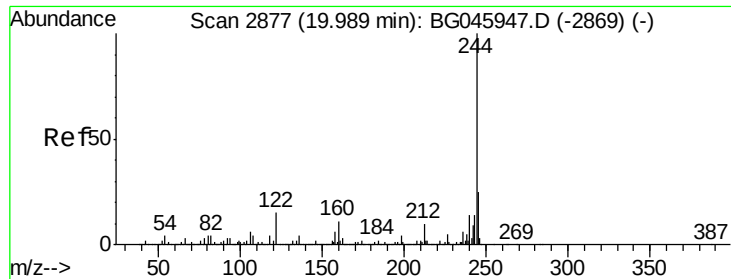
Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Tgt Ion:	202	Resp:	198048
Ion Ratio	Lower	Upper	
202	100		
200	21.5	20.1	30.1
203	18.3	16.5	24.7





#79

Terphenyl-d14

Concen: 119.050 ng

RT: 19.99 min Scan# 2877

Delta R.T. 0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:244 Resp: 2890628

Ion Ratio Lower Upper

244 100

212 11.4 8.3 12.5

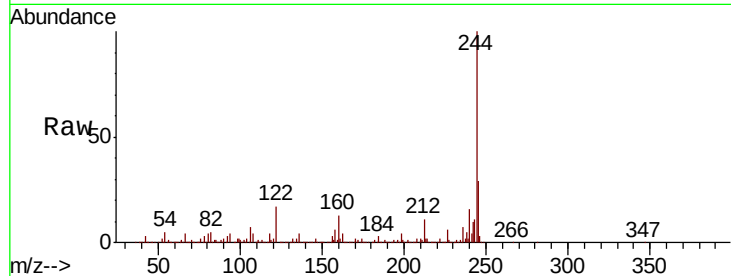
122 17.1 12.1 18.1

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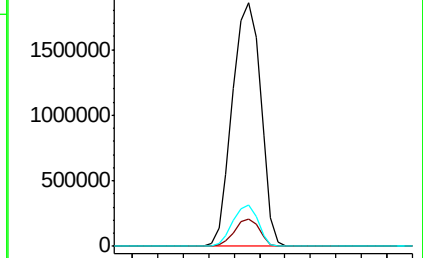
7/9/2020 10:55:26 AM



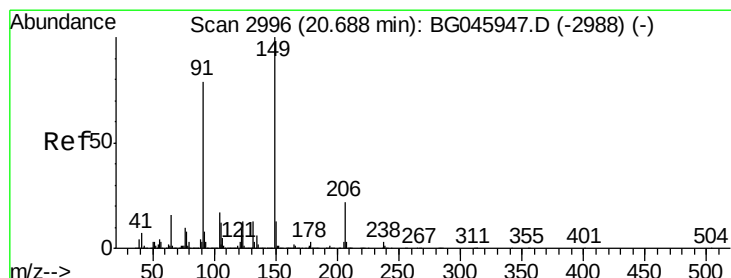
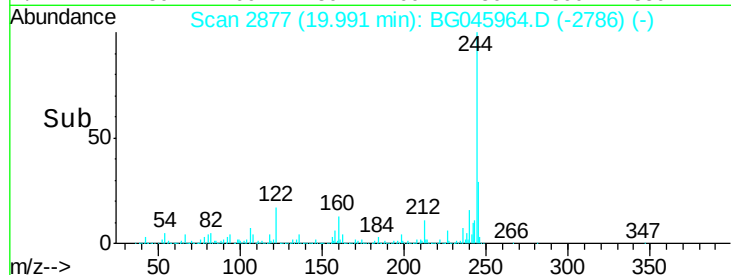
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#80

Butylbenzylphthalate

Concen: 4.407 ng

RT: 20.68 min Scan# 2994

Delta R.T. -0.01 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

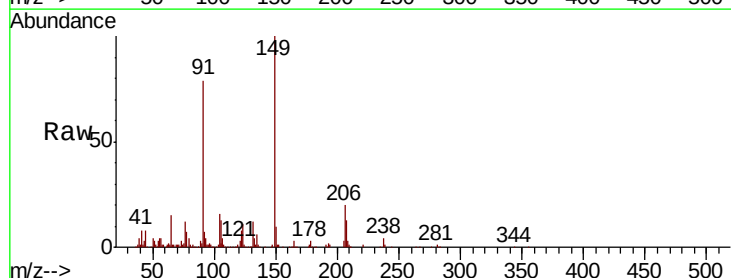
Tgt Ion:149 Resp: 76815

Ion Ratio Lower Upper

149 100

91 79.3 63.1 94.7

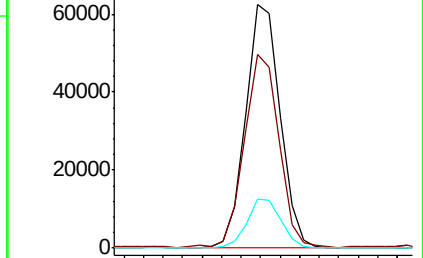
206 20.4 17.4 26.0



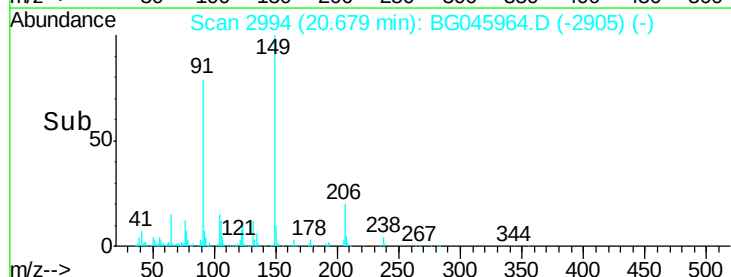
Abundance Ion 149.00 (148.70 to 149.70): E

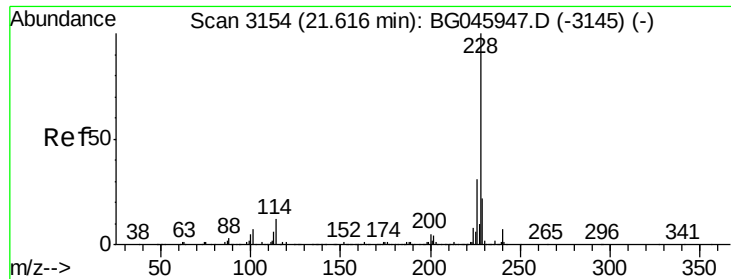
Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



Time-->





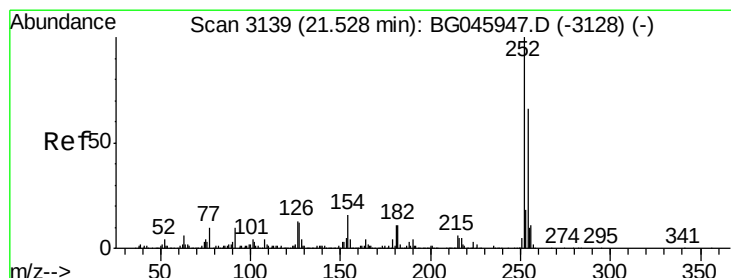
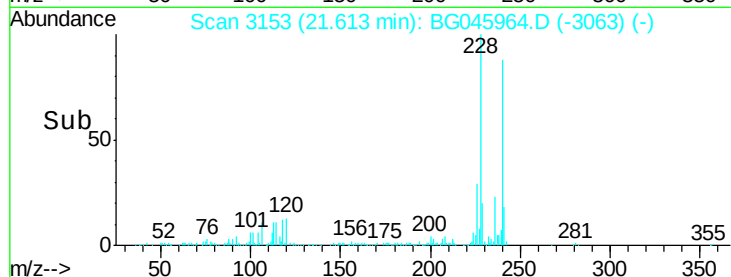
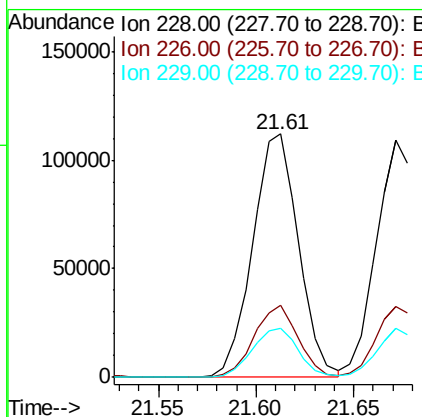
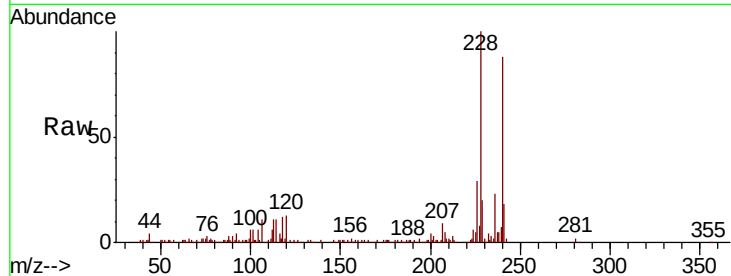
#81
Benzo(a)anthracene
Concen: 5.125 ng
RT: 21.61 min Scan# 3153
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.8	37.2
229	20.1	17.8	26.8

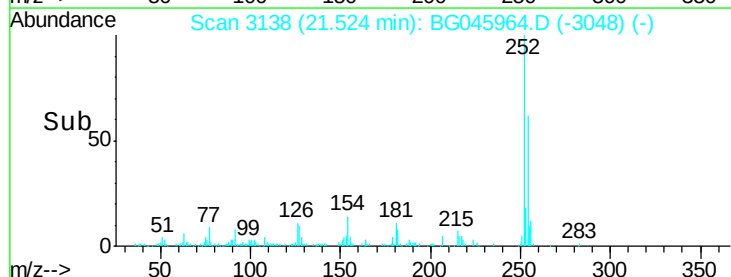
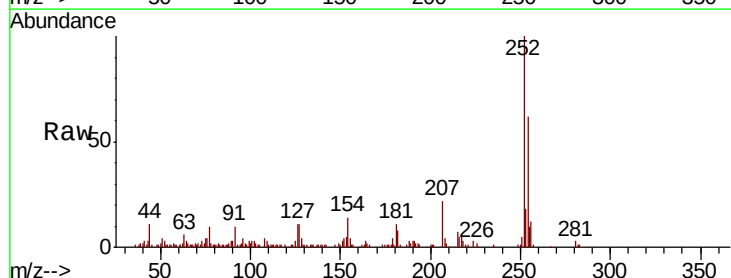
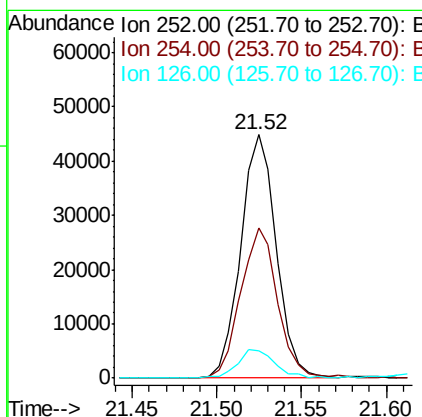
Manual Integrations
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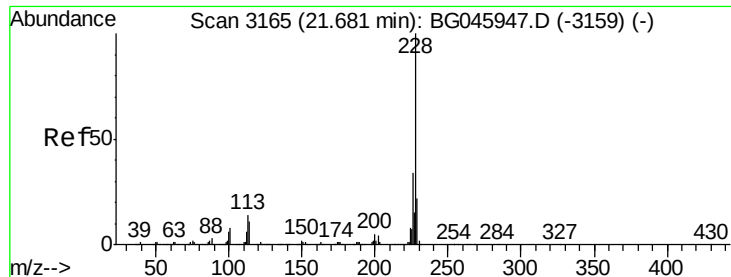
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 5.003 ng
RT: 21.52 min Scan# 3138
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
252	100		
254	61.7	52.9	79.3
126	11.4	10.4	15.6





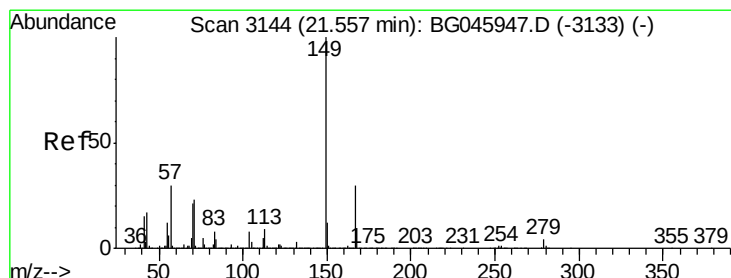
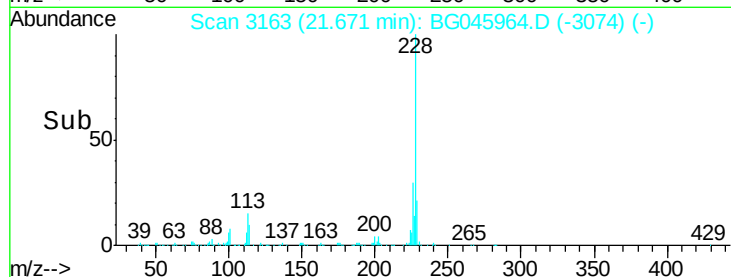
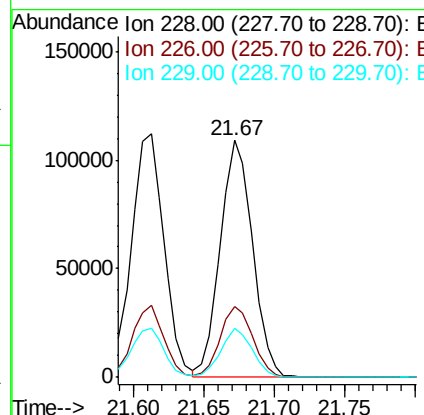
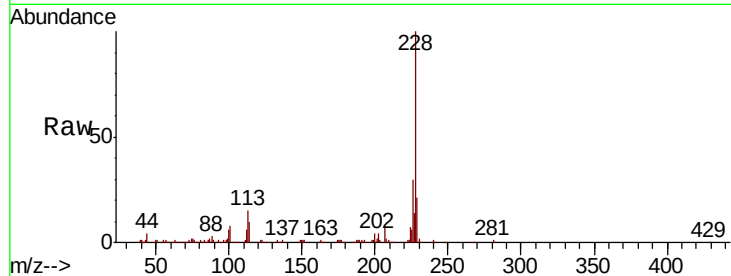
#83
Chrysene
Concen: 5.130 ng
RT: 21.67 min Scan# 3163
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	26.7	40.1
229	20.8	17.3	25.9

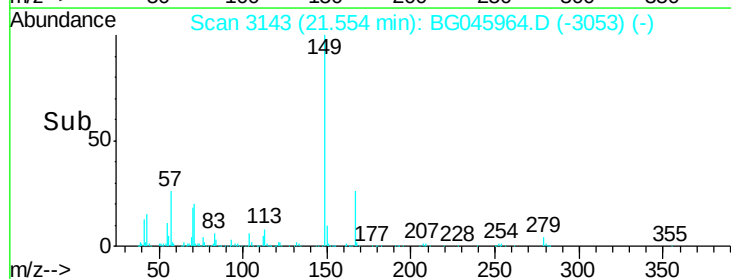
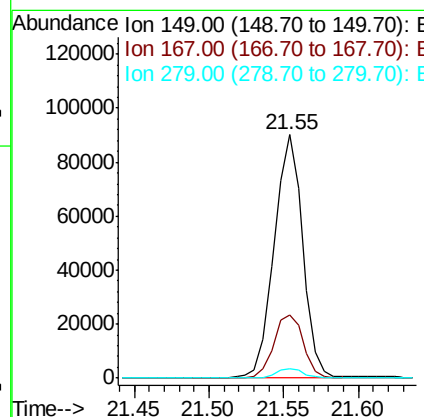
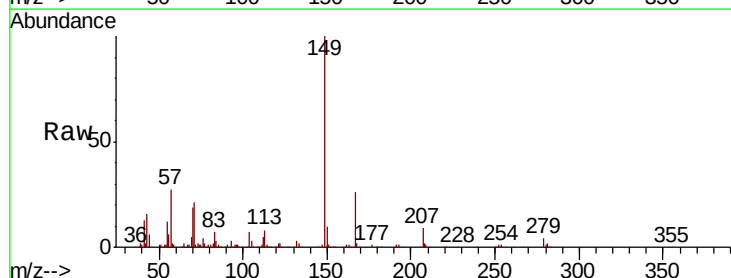
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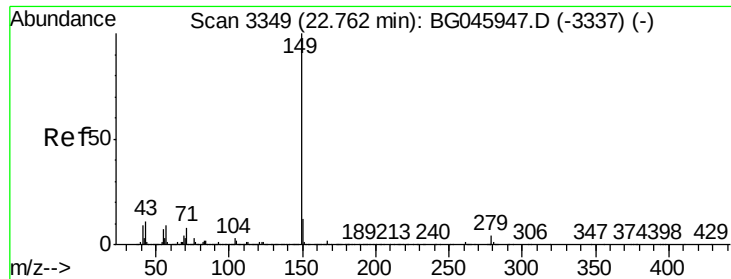
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 4.744 ng
RT: 21.55 min Scan# 3143
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.7	23.8	35.8
279	3.8	3.5	5.3





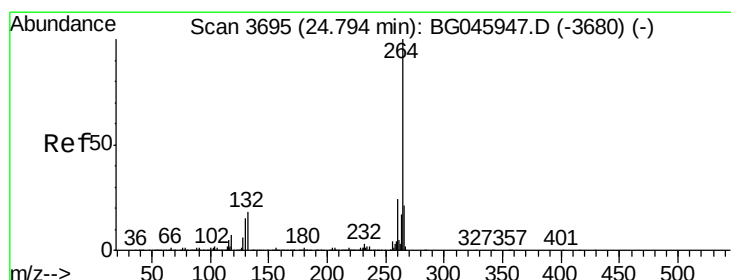
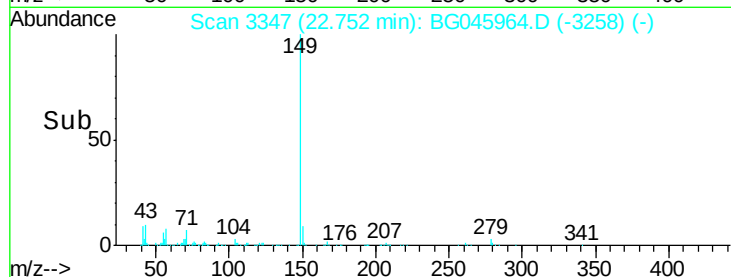
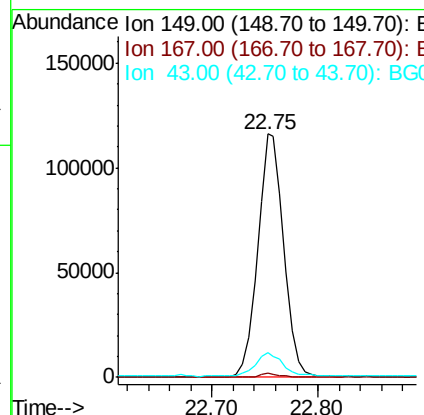
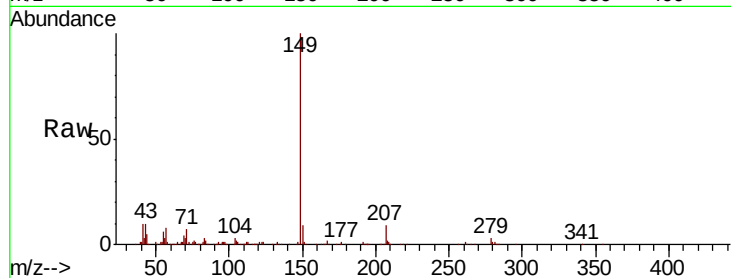
#85
Di-n-octyl phthalate
Concen: 4.533 ng
RT: 22.75 min Scan# 3347
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Resp	Lower	Upper
149	100	199027		
167	1.4		1.4	2.0
43	10.0		8.6	12.8

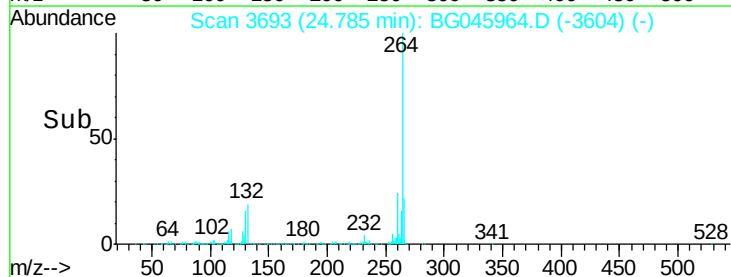
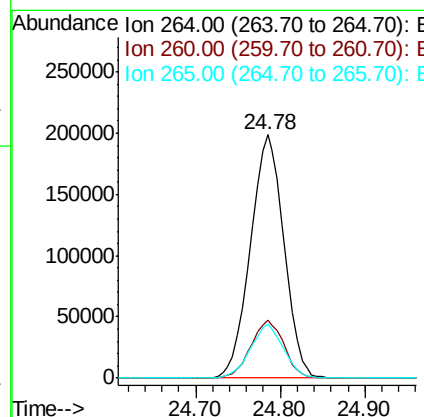
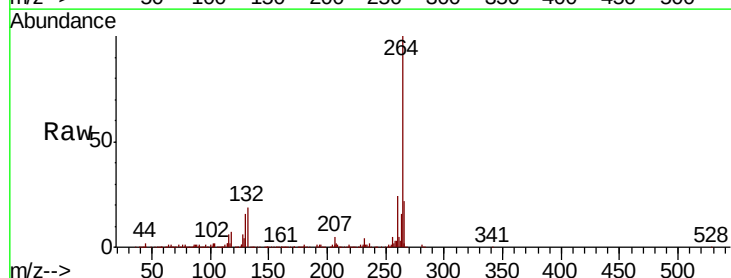
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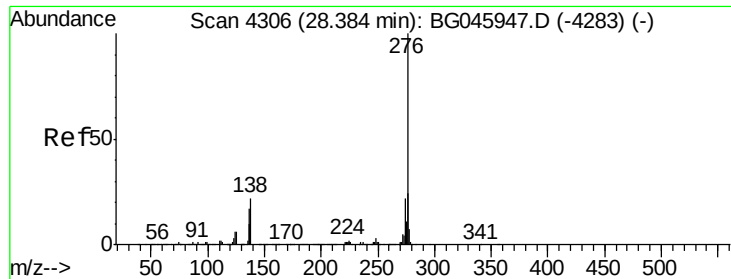
mohammad
7/9/2020 10:55:26 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.78 min Scan# 3693
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	548582		
260	24.0		19.0	28.6
265	22.1		16.9	25.3





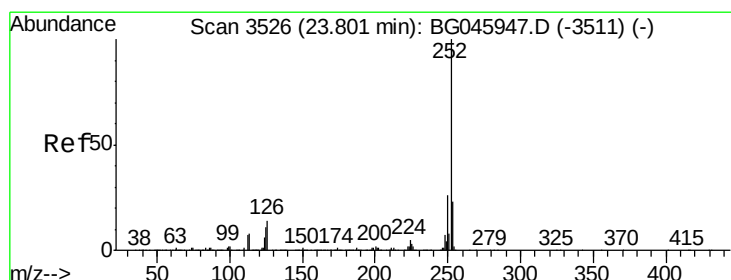
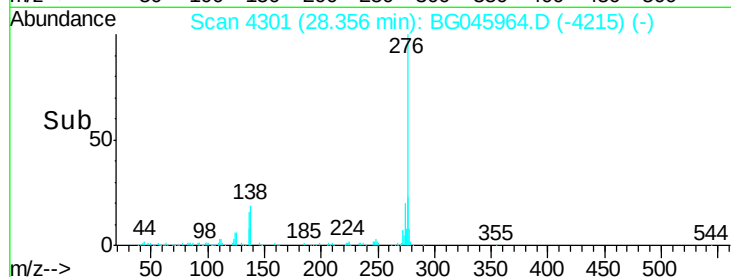
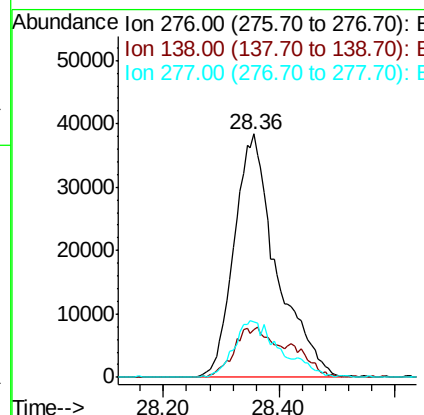
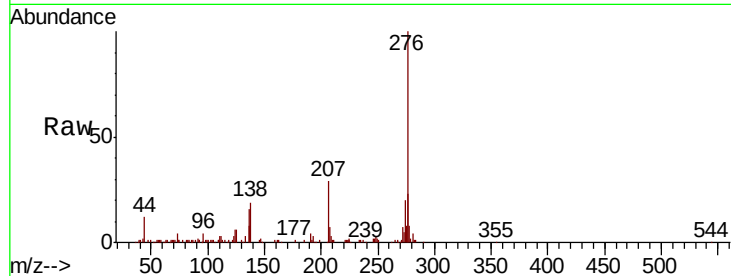
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.855 ng
 RT: 28.36 min Scan# 4301
 Delta R.T. -0.03 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	8.8	16.4	24.6#
277	25.5	20.6	31.0

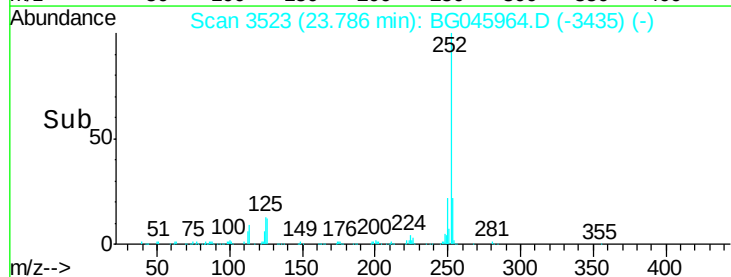
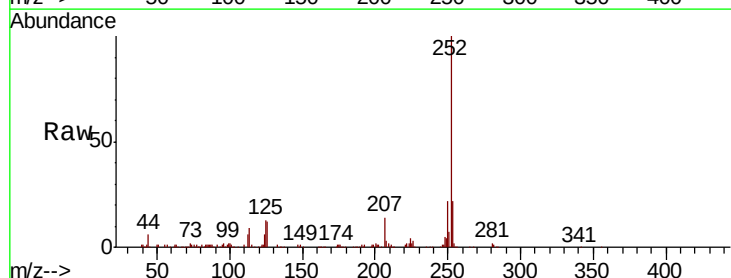
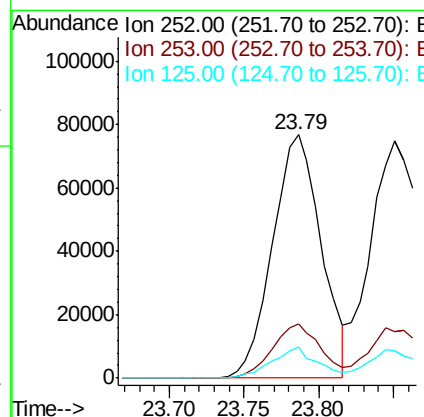
Manual Integrations
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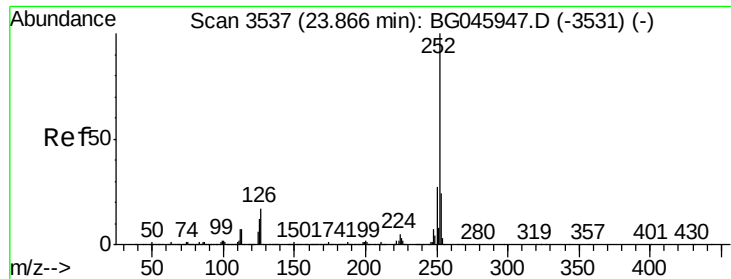
mohammad
 7/9/2020 10:55:26 AM



#88
 Benzo(b)fluoranthene
 Concen: 4.997 ng
 RT: 23.79 min Scan# 3523
 Delta R.T. -0.02 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.5	27.7
125	13.1	9.2	13.8





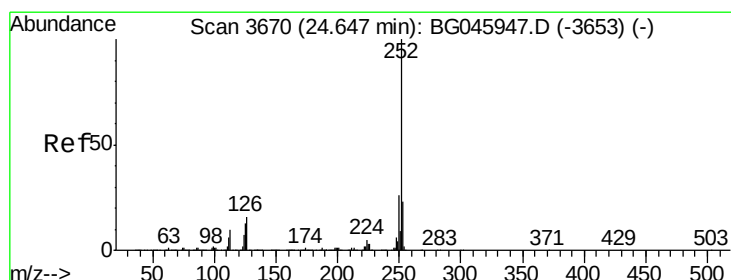
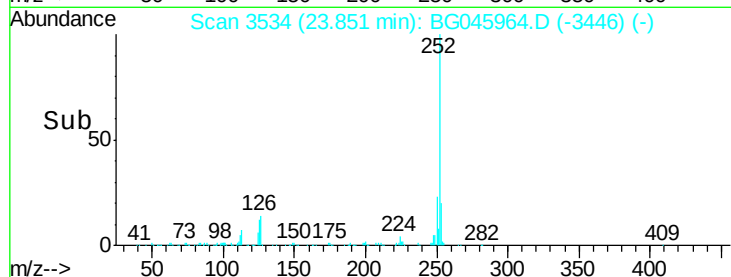
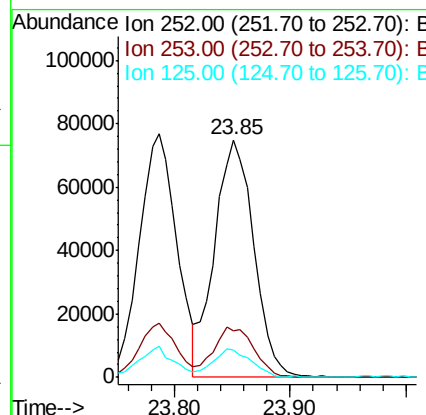
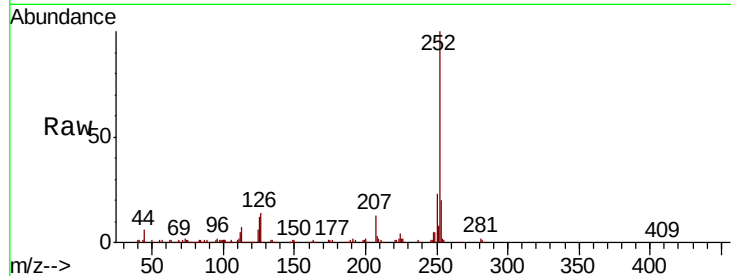
#89
Benzo(k)fluoranthene
Concen: 5.356 ng
RT: 23.85 min Scan# 3534
Delta R.T. -0.02 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	19.7	18.9	28.3
125	11.7	9.6	14.4

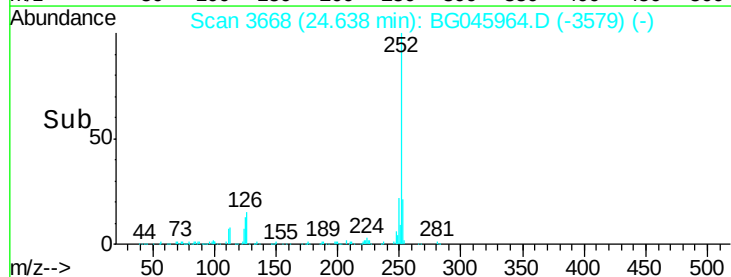
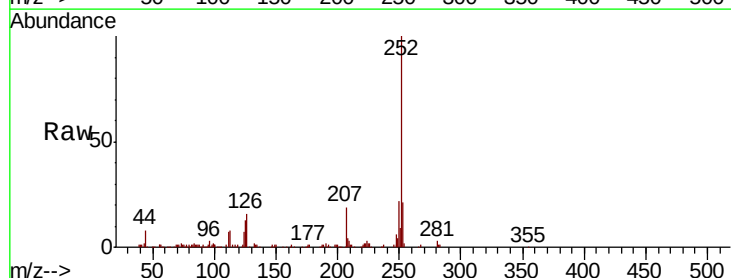
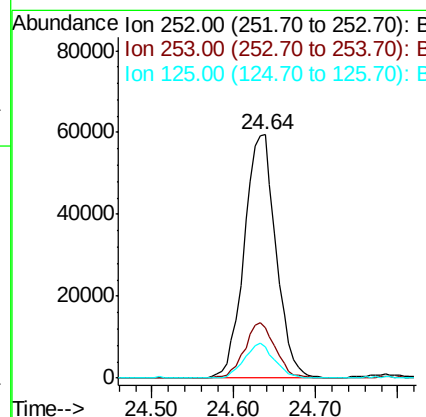
Manual Integrations
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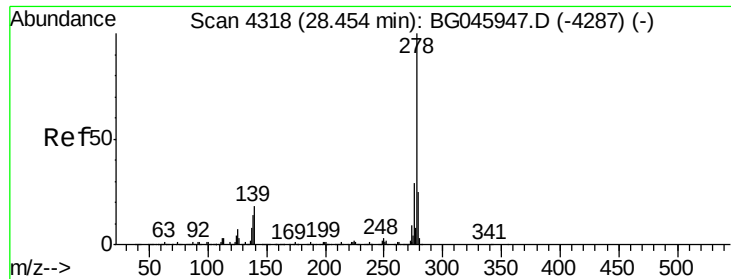
mohammad
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#90
Benzo(a)pyrene
Concen: 4.912 ng
RT: 24.64 min Scan# 3668
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.6	28.0
125	12.9	10.5	15.7





#91

Dibenzo(a,h)anthracene

Concen: 5.003 ng

RT: 28.43 min Scan# 4313

Delta R.T. -0.03 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

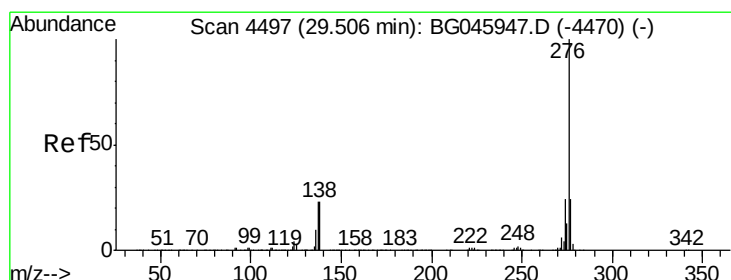
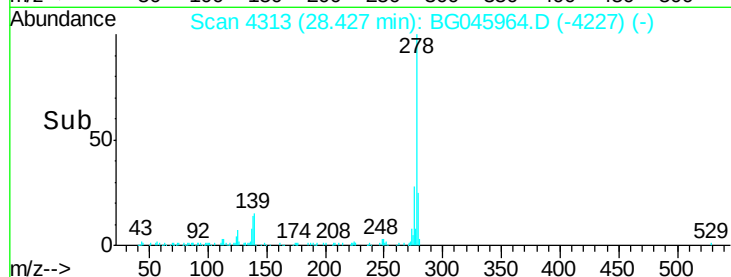
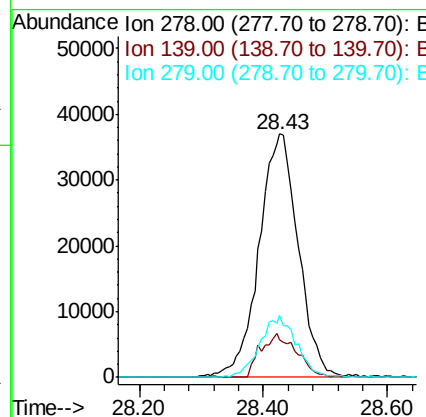
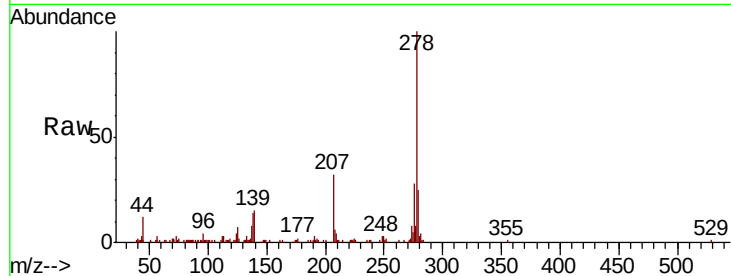
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	278	Resp:	161943
Ion Ratio	Lower	Upper	
278	100		
139	15.5	14.3	21.5
279	25.5	19.8	29.6

Manual Integrations
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mohammad
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#92

Benzo(g,h,i)perylene

Concen: 5.001 ng

RT: 29.45 min Scan# 4488

Delta R.T. -0.05 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Tgt Ion:	276	Resp:	162912
Ion Ratio	Lower	Upper	
276	100		
277	20.7	19.4	29.0
138	21.3	18.6	28.0

