

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070720\
 Data File : BG045965.D
 Acq On : 7 Jul 2020 18:40
 Operator : CG/JU
 Sample : L3216-01
 Misc : LOD-MDL-SOIL-8PPM
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
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mohammad
 7/9/2020 10:55:36 AM

Quant Time: Jul 08 04:25:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 09:58:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	119752	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	481530	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	286946	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	590470	20.00	ng	0.00
76) Chrysene-d12	21.63	240	559376	20.00	ng	0.00
86) Perylene-d12	24.78	264	564297	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	1178483	159.59	ng	0.00
7) Phenol-d6	7.16	99	1649835	155.18	ng	0.00
23) Nitrobenzene-d5	9.16	82	1336854	159.80	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	469183	176.18	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	2474466	134.51	ng	0.00
79) Terphenyl-d14	19.99	244	2930888	116.61	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	33346	9.788	ng	96
3) Pyridine	3.90	79	71536	6.944	ng	# 95
4) n-Nitrosodimethylamine	3.82	42	29297	8.411	ng	# 90
6) Aniline	7.33	93	110055	8.092	ng	97
8) 2-Chlorophenol	7.57	128	62265	7.833	ng	93
9) Benzaldehyde	7.14	77	75145	11.156	ng	99
10) Phenol	7.19	94	84997	7.970	ng	96
11) bis(2-Chloroethyl)ether	7.43	93	67294	7.631	ng	99
12) 1,3-Dichlorobenzene	7.90	146	69632	7.600	ng	94
13) 1,4-Dichlorobenzene	8.04	146	71765	7.962	ng	95
14) 1,2-Dichlorobenzene	8.36	146	66730	7.692	ng	97
15) Benzyl Alcohol	8.23	79	64610	7.751	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.53	45	86521	7.520	ng	97
17) 2-Methylphenol	8.44	107	56040	7.003	ng	94
18) Hexachloroethane	9.10	117	26961	7.774	ng	96
19) n-Nitroso-di-n-propylamine	8.81	70	59205	7.927	ng	95
20) 3+4-Methylphenols	8.76	107	77945	7.147	ng	91
22) Acetophenone	8.82	105	106626	8.289	ng	# 95
24) Nitrobenzene	9.20	77	83237	9.014	ng	94
25) Isophorone	9.73	82	157977	7.735	ng	# 98
26) 2-Nitrophenol	9.91	139	22849	7.592	ng	92
27) 2,4-Dimethylphenol	9.97	122	58048	7.985	ng	96
28) bis(2-Chloroethoxy)methane	10.21	93	92397	8.057	ng	96
29) 2,4-Dichlorophenol	10.45	162	55333	7.353	ng	95
30) 1,2,4-Trichlorobenzene	10.67	180	64381	7.721	ng	99
31) Naphthalene	10.85	128	208744	8.086	ng	99
32) Benzoic acid	10.03	122	20524m	5.214	ng	
33) 4-Chloroaniline	10.95	127	88905	7.707	ng	97
34) Hexachlorobutadiene	11.15	225	34606	7.108	ng	96
35) Caprolactam	11.69	113	20873	7.305	ng	90
36) 4-Chloro-3-methylphenol	12.07	107	65322	7.621	ng	98
37) 2-Methylnaphthalene	12.46	142	148220	8.077	ng	99
38) 1-Methylnaphthalene	12.68	142	139040	8.029	ng	94
40) 1,2,4,5-Tetrachlorobenzene	12.83	216	68270	8.440	ng	99

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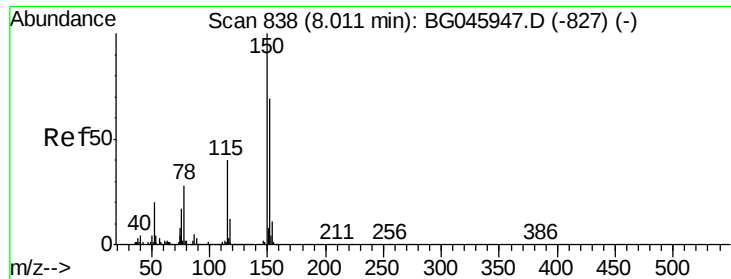
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.82	237	38075	7.933	ng	98
43) 2,4,6-Trichlorophenol	13.06	196	40272	7.362	ng	98
44) 2,4,5-Trichlorophenol	13.13	196	44735	7.233	ng	97
46) 1,1'-Biphenyl	13.47	154	192161	8.902	ng	97
47) 2-Chloronaphthalene	13.51	162	133507	7.839	ng	97
48) 2-Nitroaniline	13.69	65	33197	8.328	ng	95
49) Acenaphthylene	14.35	152	230678	8.395	ng	96
50) Dimethylphthalate	14.08	163	167420	7.774	ng	98
51) 2,6-Dinitrotoluene	14.19	165	26268	7.861	ng	94
52) Acenaphthene	14.69	154	138757	8.006	ng	98
53) 3-Nitroaniline	14.51	138	30669	7.407	ng	88
54) 2,4-Dinitrophenol	14.72	184	6214	5.272	ng	# 56
55) Dibenzofuran	15.02	168	209942	8.263	ng	97
56) 4-Nitrophenol	14.81	139	24531	6.992	ng	95
57) 2,4-Dinitrotoluene	14.97	165	31610	7.656	ng	92
58) Fluorene	15.68	166	169712	8.143	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.25	232	37903m	7.937	ng	
60) Diethylphthalate	15.45	149	180835	8.007	ng	95
61) 4-Chlorophenyl-phenylether	15.67	204	79443	7.661	ng	98
62) 4-Nitroaniline	15.67	138	34171	7.678	ng	92
63) Azobenzene	15.96	77	202159	8.340	ng	97
65) 4,6-Dinitro-2-methylphenol	15.74	198	10638	6.151	ng	85
66) n-Nitrosodiphenylamine	15.88	169	147190	8.044	ng	98
67) 4-Bromophenyl-phenylether	16.56	248	48026	7.282	ng	98
68) Hexachlorobenzene	16.68	284	52923	7.997	ng	97
69) Atrazine	16.83	200	51608	9.540	ng	96
70) Pentachlorophenol	17.02	266	24876	6.761	ng	97
71) Phenanthrene	17.41	178	264414	8.470	ng	96
72) Anthracene	17.50	178	274710	8.672	ng	94
73) Carbazole	17.77	167	255936	8.060	ng	95
74) Di-n-butylphthalate	18.35	149	315531	8.223	ng	# 93
75) Fluoranthene	19.42	202	310002	8.590	ng	95
77) Benzidine	19.59	184	161387	10.090	ng	98
78) Pyrene	19.78	202	315563	8.264	ng	95
80) Butylbenzylphthalate	20.68	149	130674	7.242	ng	97
81) Benzo(a)anthracene	21.61	228	292118	7.942	ng	95
82) 3,3'-Dichlorobenzidine	21.52	252	112020	8.242	ng	97
83) Chrysene	21.67	228	280712	8.011	ng	96
84) Bis(2-ethylhexyl)phthalate	21.55	149	198419	7.576	ng	# 93
85) Di-n-octyl phthalate	22.75	149	331134	7.285	ng	99
87) Indeno(1,2,3-cd)pyrene	28.35	276	327177	7.925	ng	96
88) Benzo(b)fluoranthene	23.79	252	286993	8.012	ng	98
89) Benzo(k)fluoranthene	23.85	252	288318	8.512	ng	99
90) Benzo(a)pyrene	24.63	252	265695	7.888	ng	97
91) Dibenzo(a,h)anthracene	28.42	278	269385	8.090	ng	98
92) Benzo(g,h,i)perylene	29.47	276	270021	8.058	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 838

Delta R.T. -0.00 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

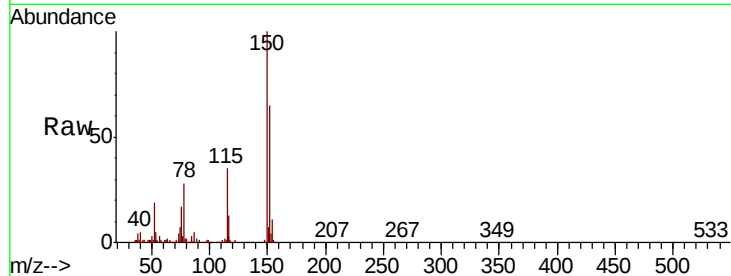
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	116.7	175.1
115	54.0	47.4	71.0

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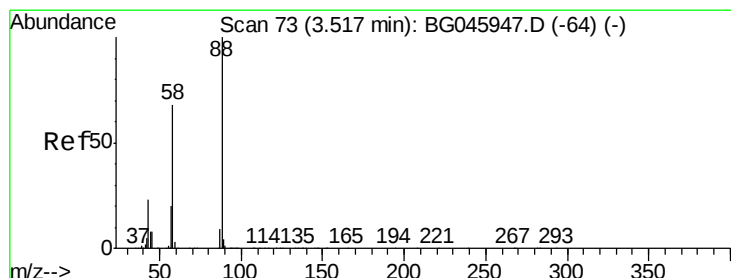
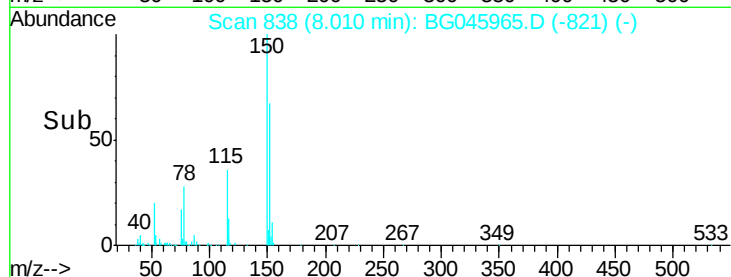
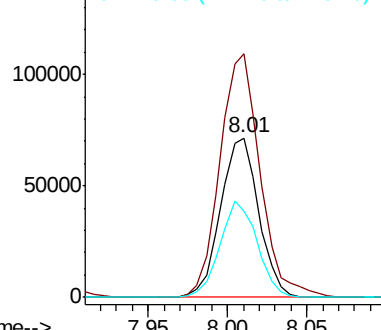


Abundance

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: 9.788 ng

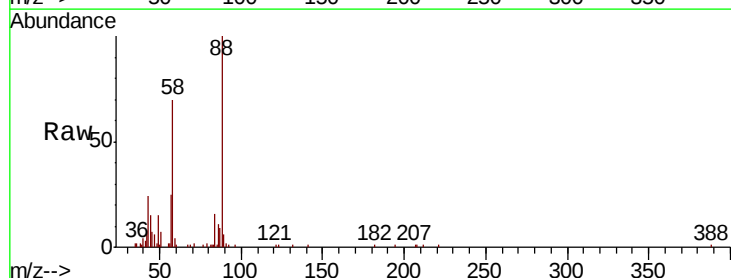
RT: 3.52 min Scan# 73

Delta R.T. -0.00 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
88	100		
58	65.5	55.2	82.8
43	23.3	19.4	29.0

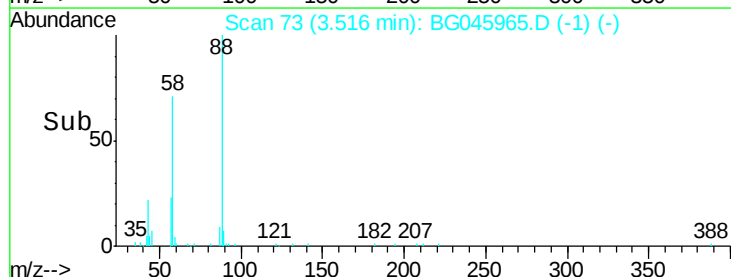
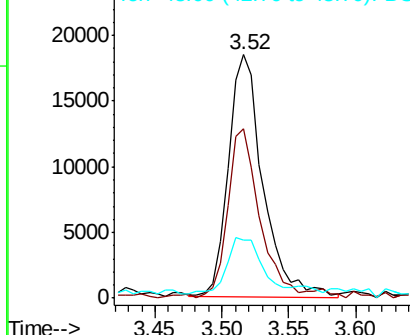


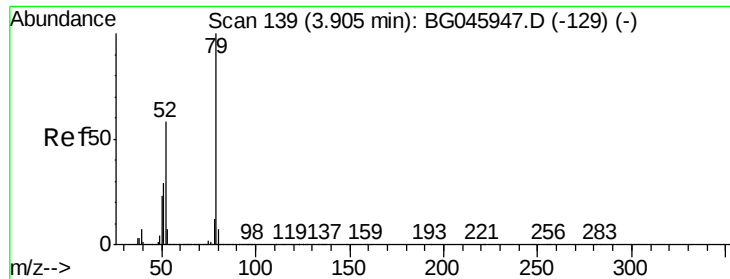
Abundance

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





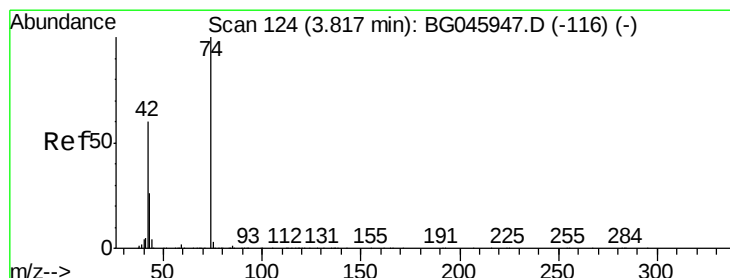
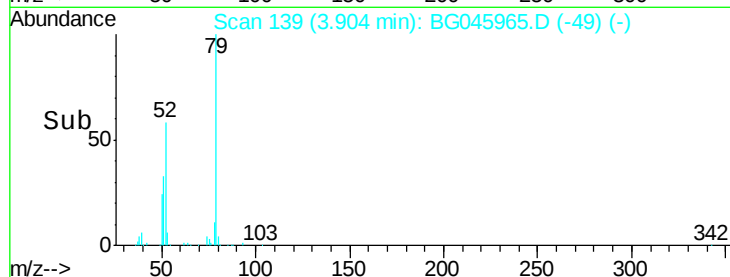
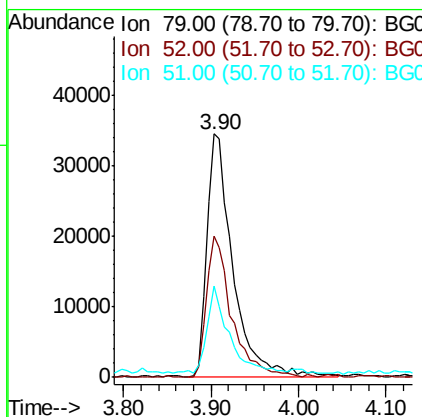
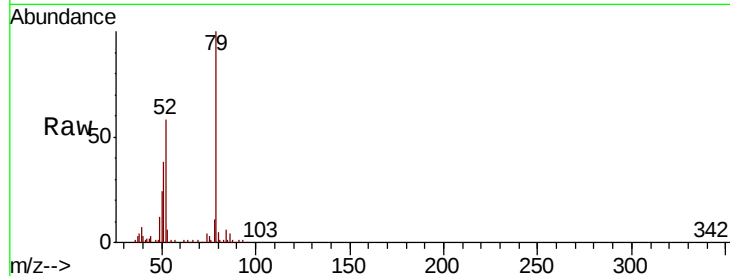
#3
 Pvridine
 Concen: 6.944 ng
 RT: 3.90 min Scan# 139
 Delta R.T. -0.00 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
79	100		
52	57.8	46.5	69.7
51	37.6	23.5	35.3

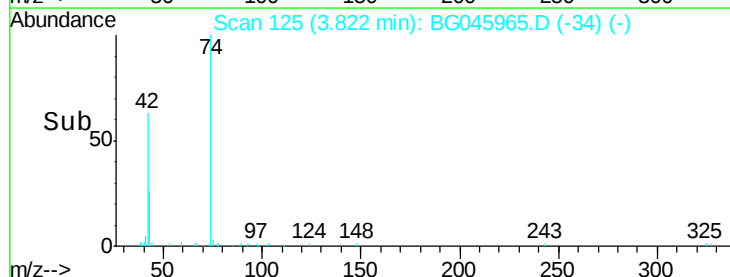
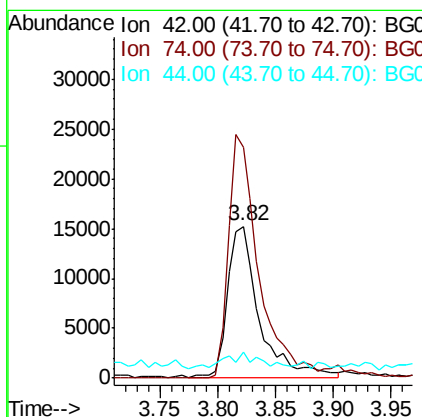
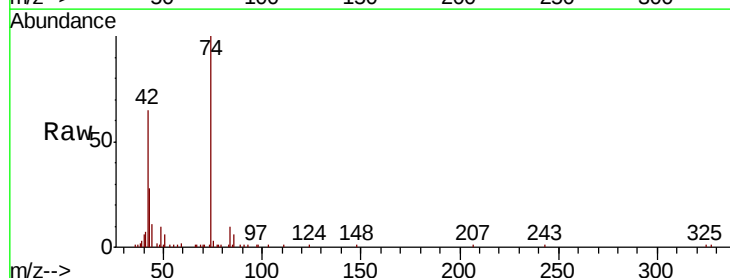
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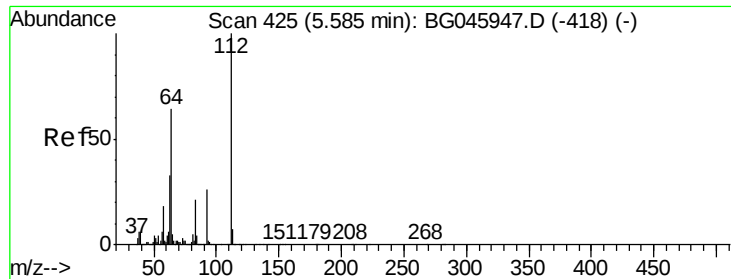
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#4
 n-Nitrosodimethylamine
 Concen: 8.411 ng
 RT: 3.82 min Scan# 125
 Delta R.T. 0.00 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
42	100		
74	152.8	131.9	197.9
44	16.9	7.7	11.5





#5

2-Fluorophenol

Concen: 159.589 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:112 Resp: 1178483

Ion Ratio Lower Upper

112 100

64 65.0 51.4 77.2

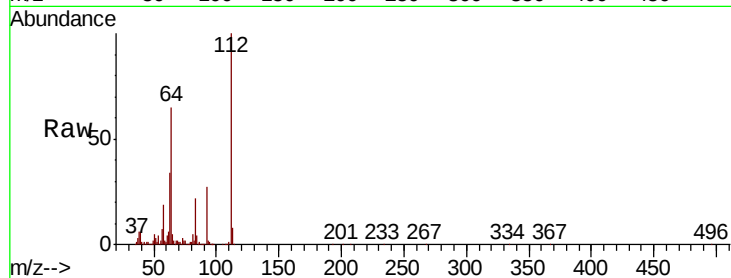
63 34.0 26.6 40.0

Manual Integrations

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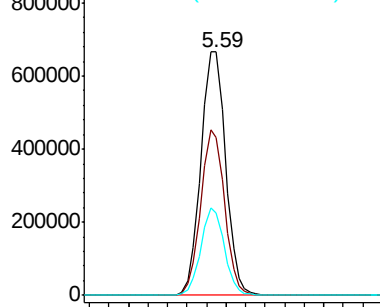
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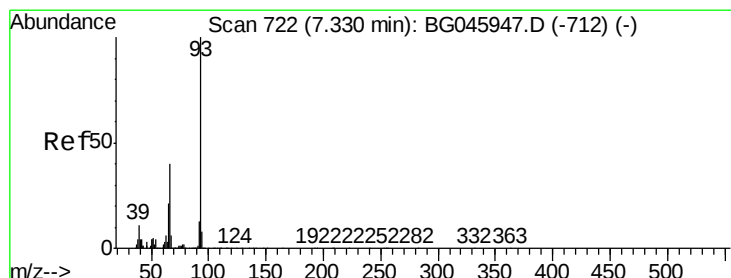
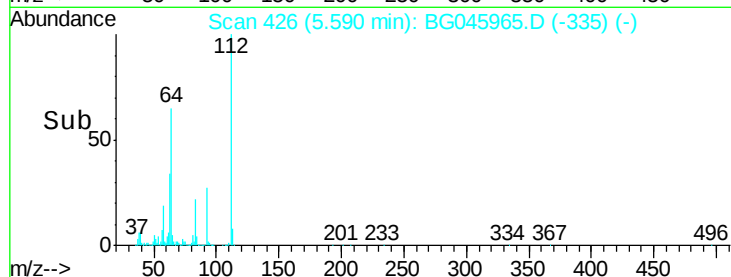
Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



Time-->



#6

Aniline

Concen: 8.092 ng

RT: 7.33 min Scan# 722

Delta R.T. -0.00 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

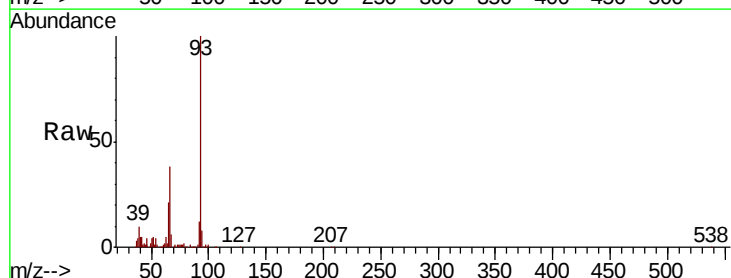
Tgt Ion: 93 Resp: 110055

Ion Ratio Lower Upper

93 100

66 37.8 32.3 48.5

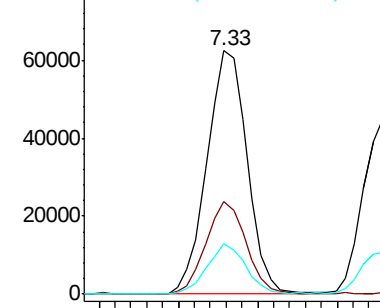
65 20.9 16.6 25.0



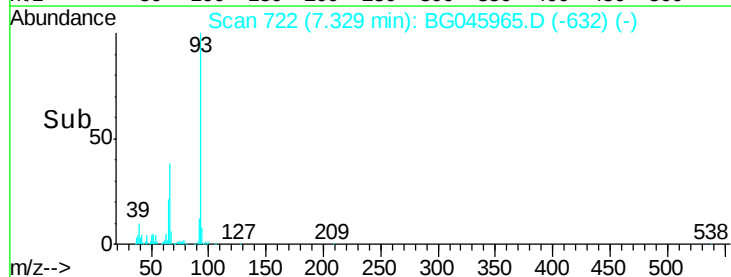
Abundance Ion 93.00 (92.70 to 93.70): BGC

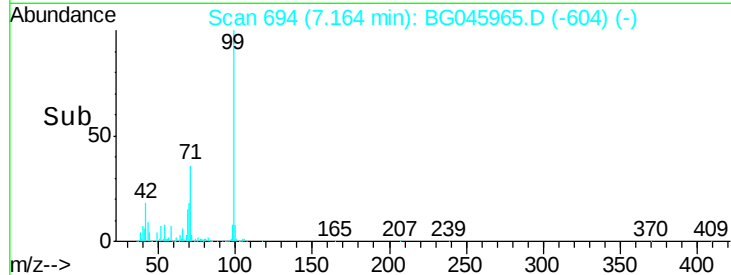
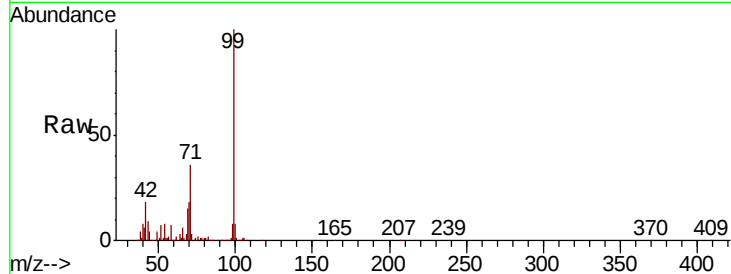
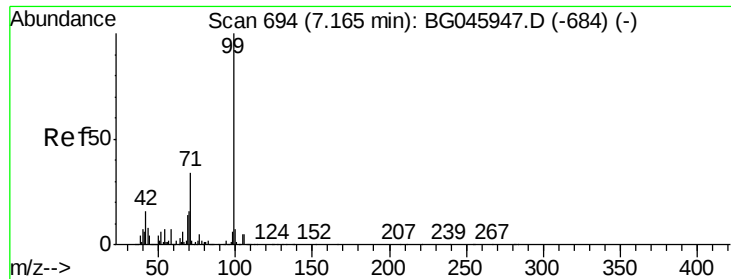
Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



Time-->





#7

Phenol-d6

Concen: 155.183 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Tot Ion:	99	Resp:	1649835
Ion	Ratio	Lower	Upper
99	100		
42	18.2	13.0	19.4
71	35.6	27.5	41.3

Instrument :

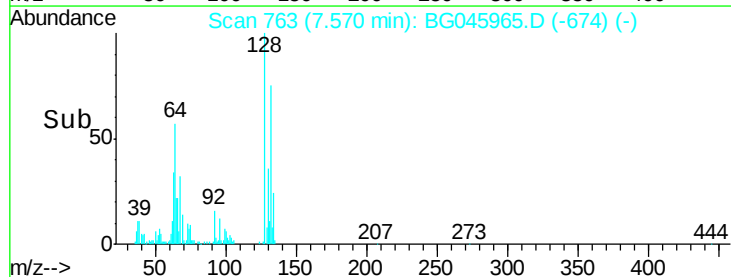
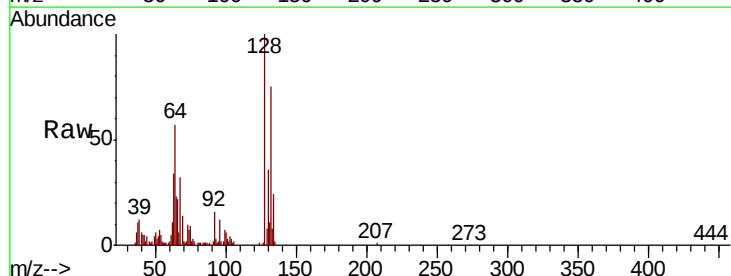
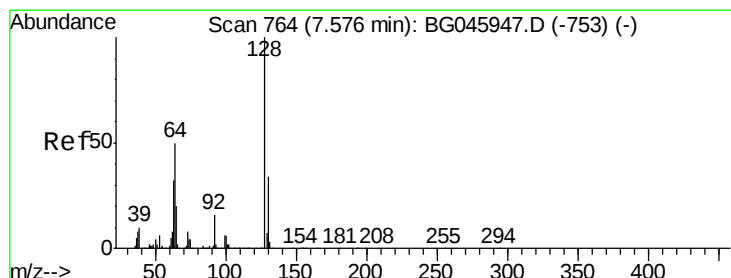
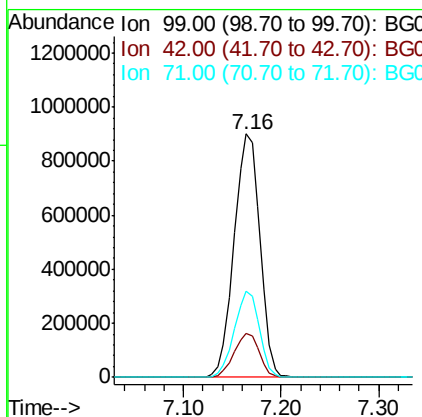
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

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#8

2-Chlorophenol

Concen: 7.833 ng

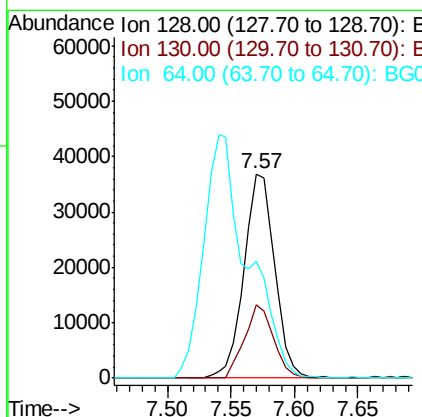
RT: 7.57 min Scan# 763

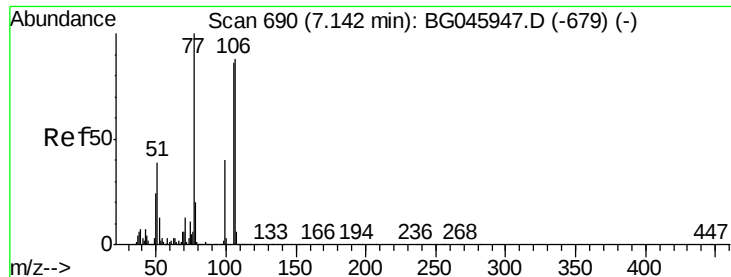
Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Tgt Ion:	128	Resp:	62265
Ion	Ratio	Lower	Upper
128	100		
130	35.7	13.6	53.6
64	57.2	30.6	70.6





#9

Benzaldehyde

Concen: 11.156 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.00 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

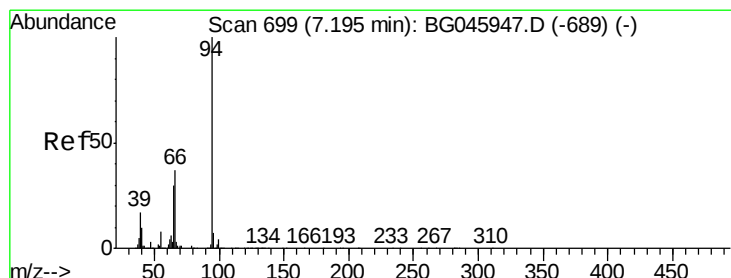
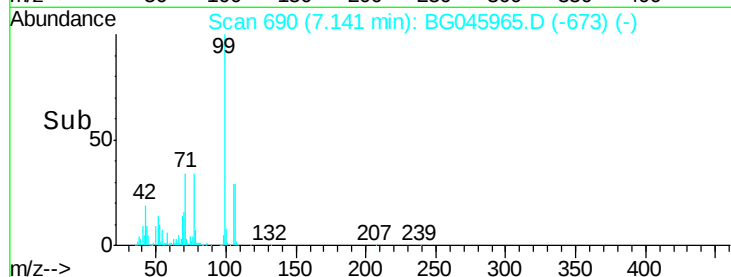
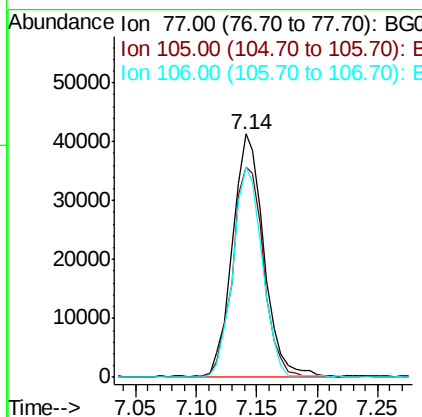
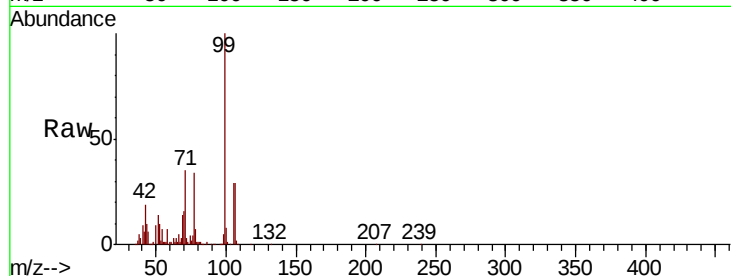
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	77	Resp:	75145
Ion	Ratio	Lower	Upper
77	100		
105	86.2	66.0	106.0
106	86.4	67.7	107.7

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#10

Phenol

Concen: 7.970 ng

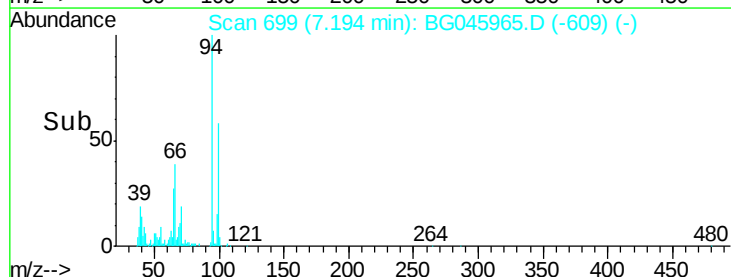
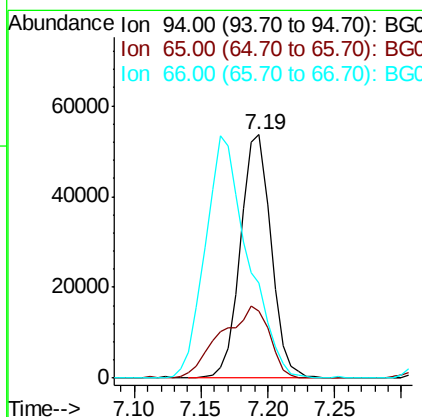
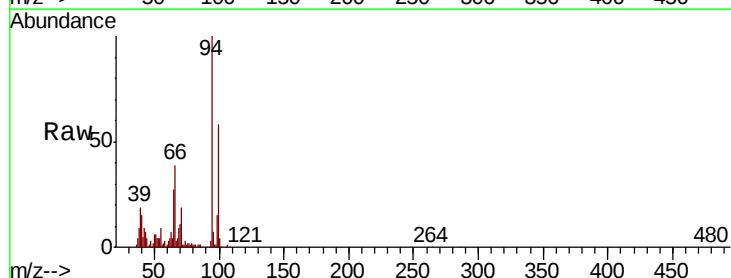
RT: 7.19 min Scan# 699

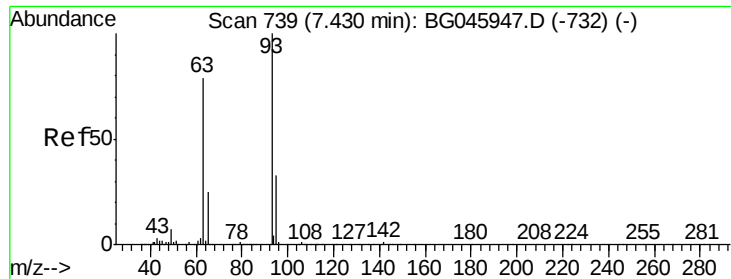
Delta R.T. -0.00 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Tgt Ion:	94	Resp:	84997
Ion	Ratio	Lower	Upper
94	100		
65	27.4	10.6	50.6
66	38.9	17.1	57.1





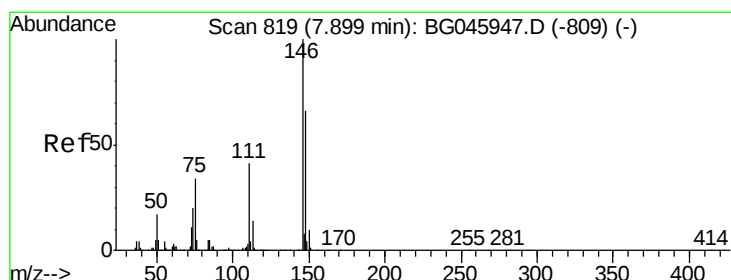
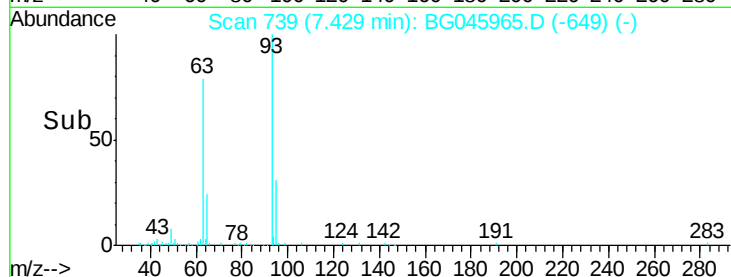
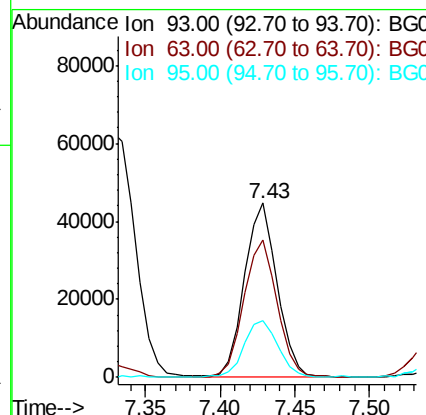
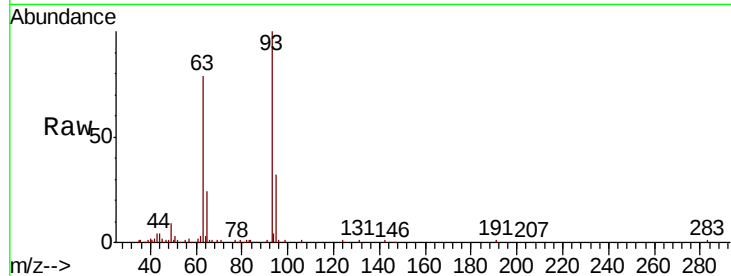
#11
bis(2-Chloroethyl)ether
Concen: 7.631 ng
RT: 7.43 min Scan# 739
Delta R.T. -0.00 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100		67294		
63	78.6	58.6	98.6		
95	32.3	13.3	53.3		

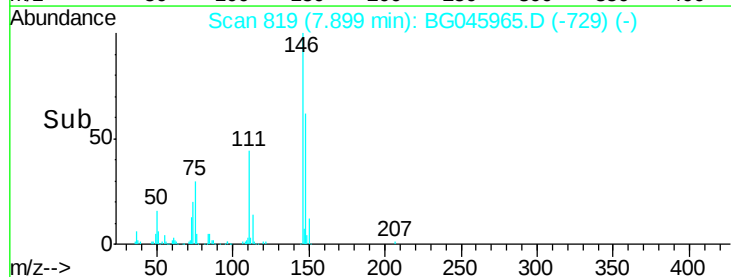
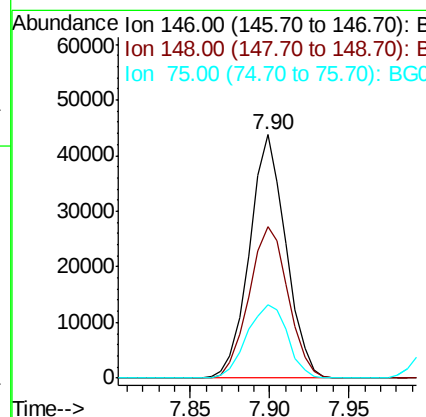
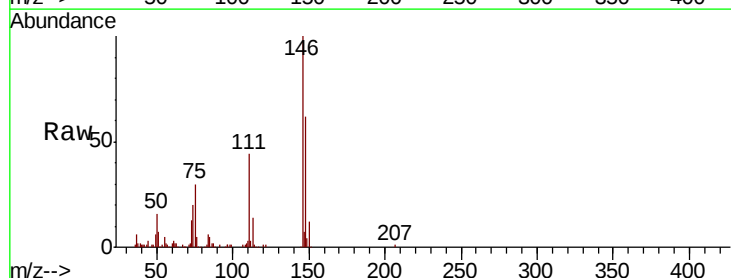
Manual Integrations
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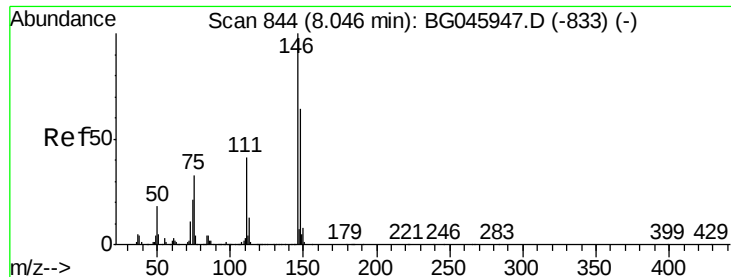
mohammad
7/9/2020 10:55:36 AM



#12
1,3-Dichlorobenzene
Concen: 7.600 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		69632		
148	62.1	52.8	79.2		
75	30.1	27.2	40.8		





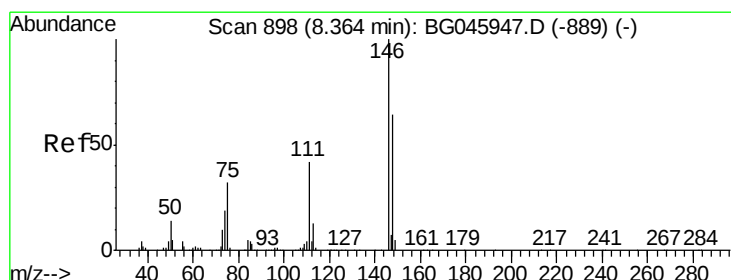
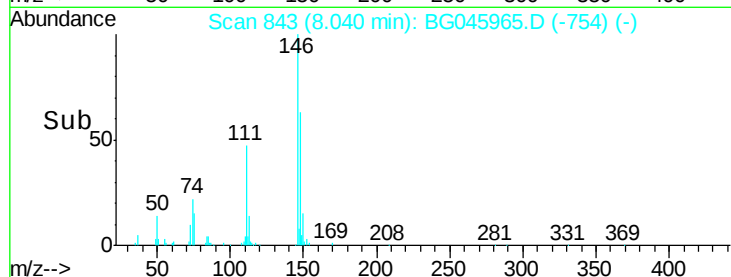
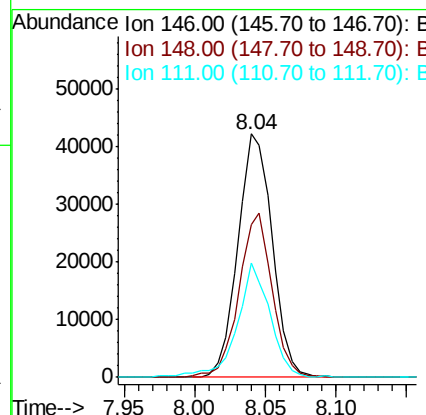
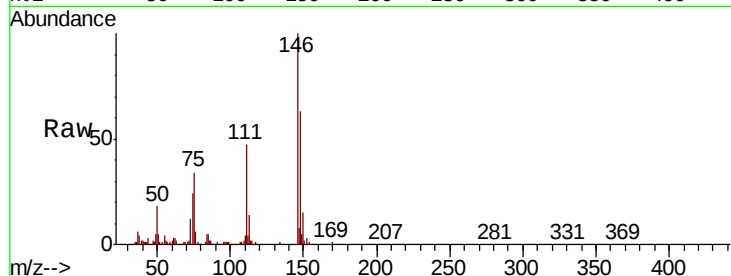
#13
 1,4-Dichlorobenzene
 Concen: 7.962 ng
 RT: 8.04 min Scan# 843
 Delta R.T. -0.01 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.7	77.5
111	47.1	33.3	49.9

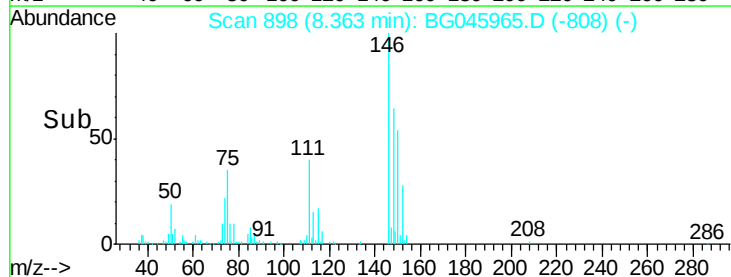
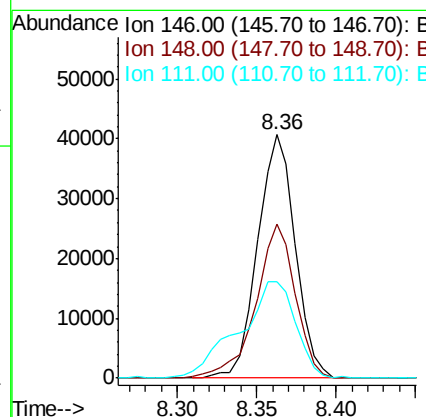
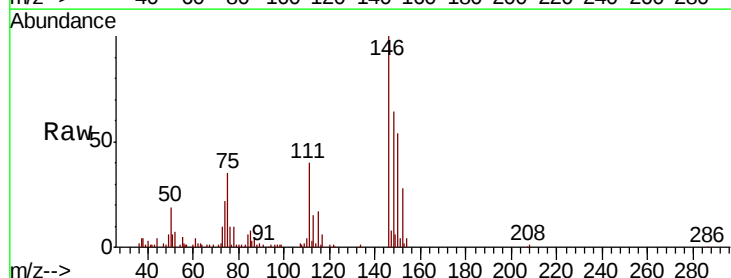
Manual Integrations
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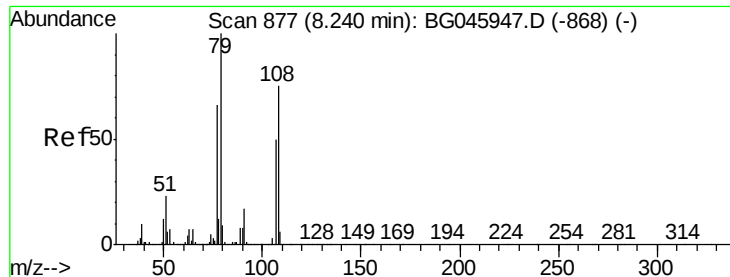
mohammad
 7/9/2020 10:55:36 AM



#14
 1,2-Dichlorobenzene
 Concen: 7.692 ng
 RT: 8.36 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.6	77.4
111	39.6	34.0	51.0





#15

Benzyl Alcohol

Concen: 7.751 ng

RT: 8.23 min Scan# 876

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

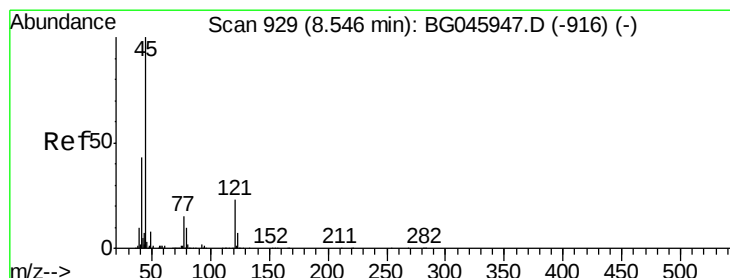
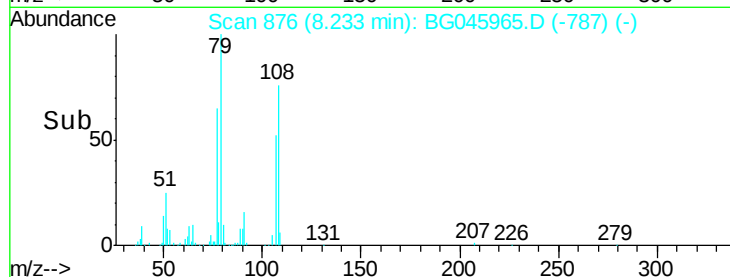
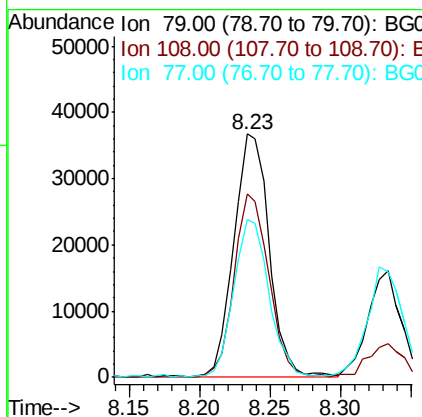
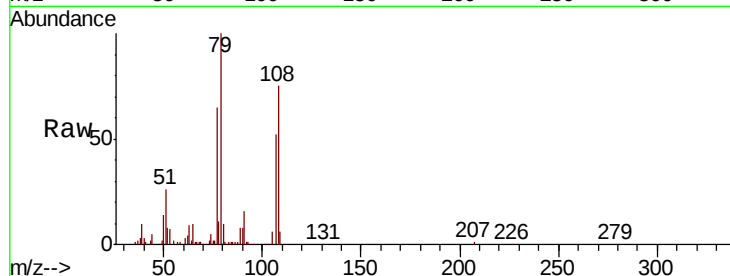
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	79	Resp:	64610
Ion	Ratio	Lower	Upper
79	100		
108	75.4	60.2	90.4
77	64.9	52.9	79.3

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.520 ng

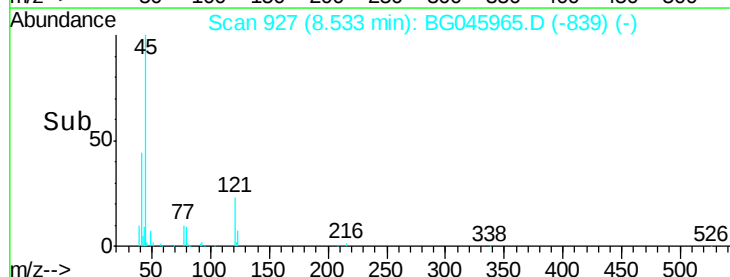
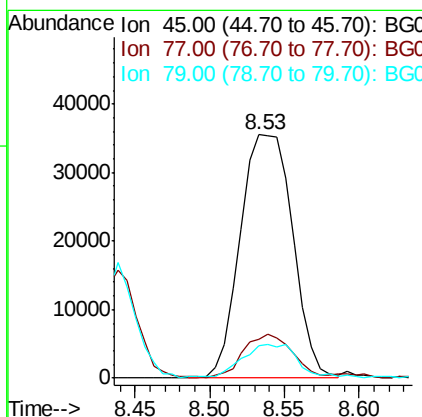
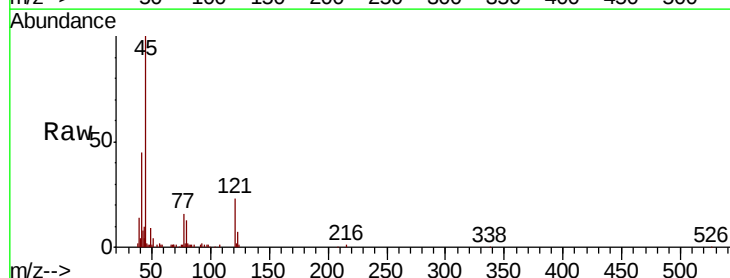
RT: 8.53 min Scan# 927

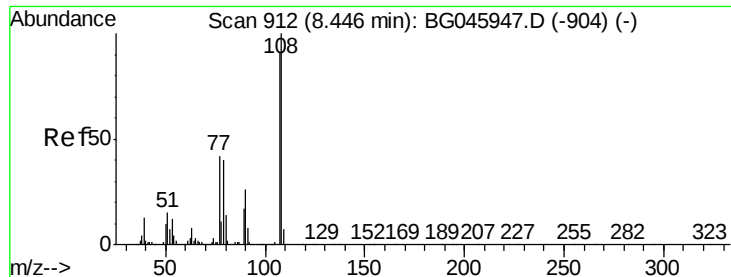
Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Tgt Ion:	45	Resp:	86521
Ion	Ratio	Lower	Upper
45	100		
77	15.7	0.0	37.6
79	13.2	0.0	32.6





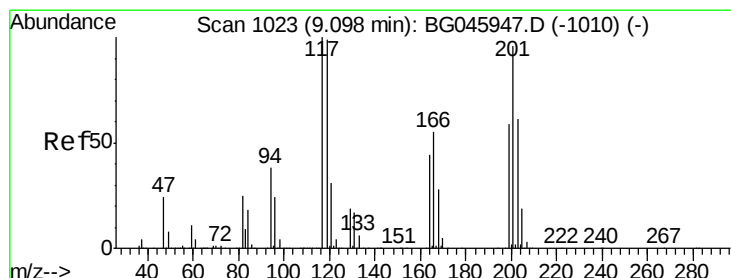
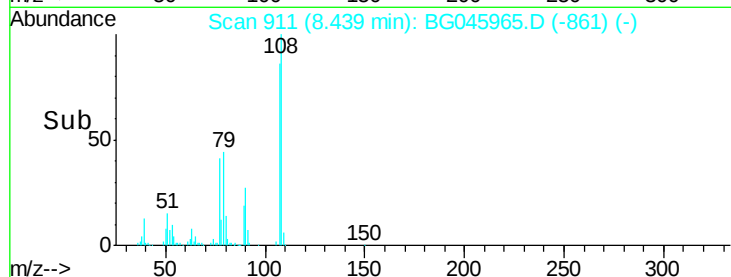
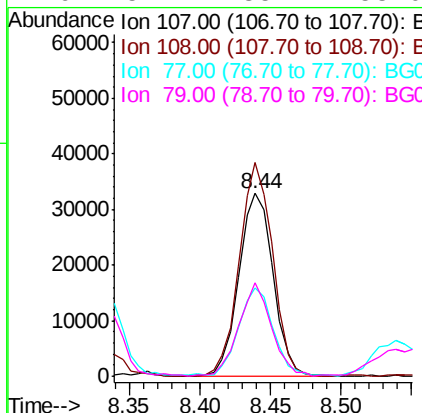
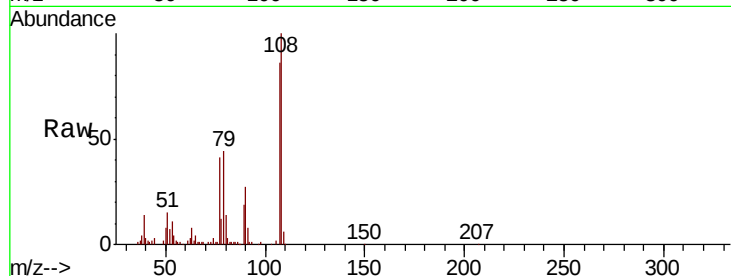
#17
2-Methylphenol
Concen: 7.003 ng
RT: 8.44 min Scan# 911
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion:	107	Resp:	56040
Ion	Ratio	Lower	Upper
107	100		
108	116.8	88.2	132.4
77	48.1	37.0	55.4
79	51.1	35.4	53.0

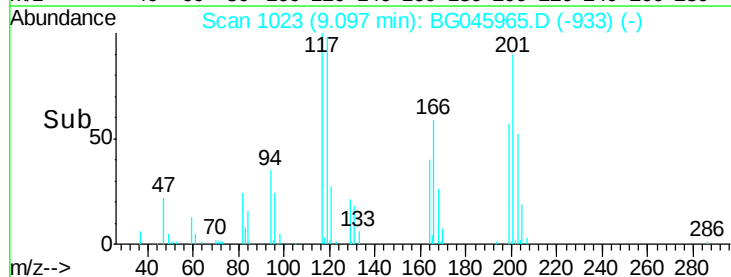
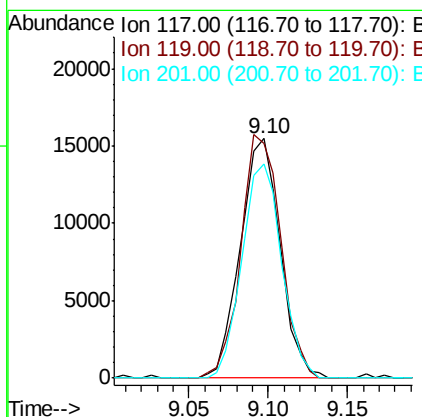
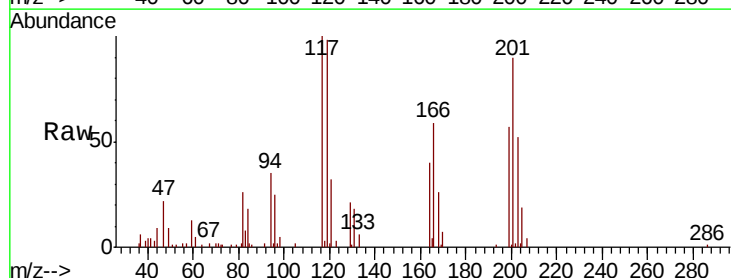
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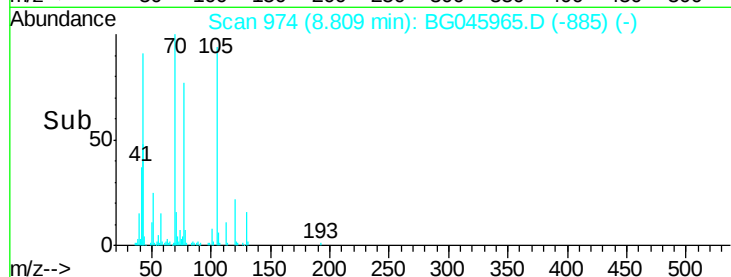
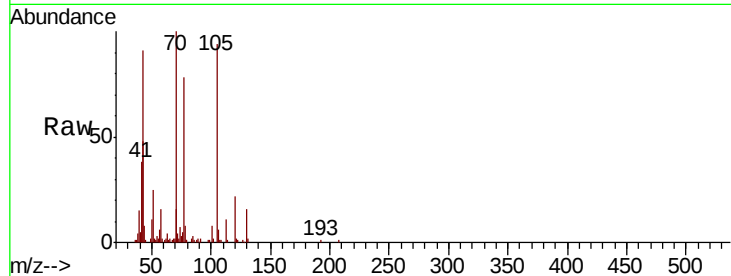
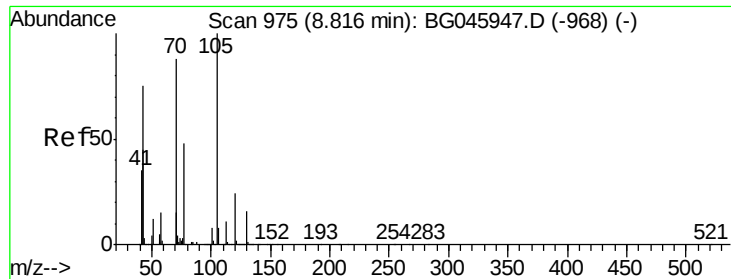
mohammad
7/9/2020 10:55:36 AM



#18
Hexachloroethane
Concen: 7.774 ng
RT: 9.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion:	117	Resp:	26961
Ion	Ratio	Lower	Upper
117	100		
119	98.1	79.5	119.3
201	89.8	77.0	115.4





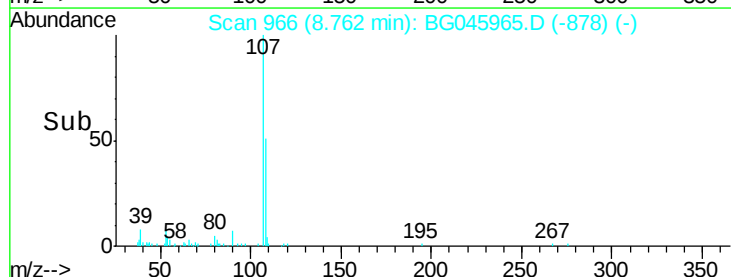
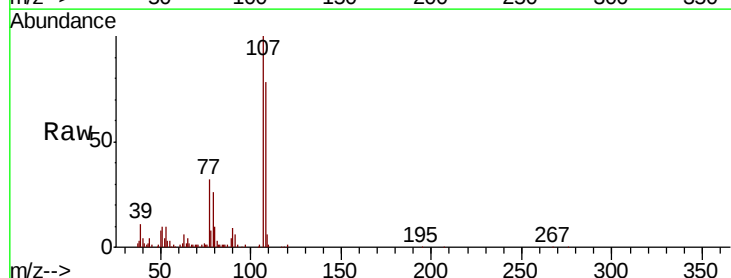
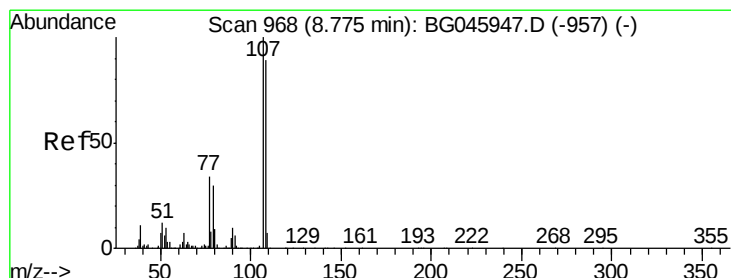
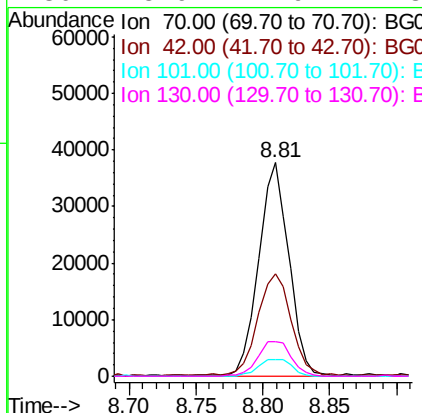
#19
n-Nitroso-di-n-propylamine
Concen: 7.927 ng
RT: 8.81 min Scan# 974
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tot Ion	Ratio	Lower	Upper
70	100		
42	48.1	41.4	62.0
101	8.1	7.1	10.7
130	15.9	14.9	22.3

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

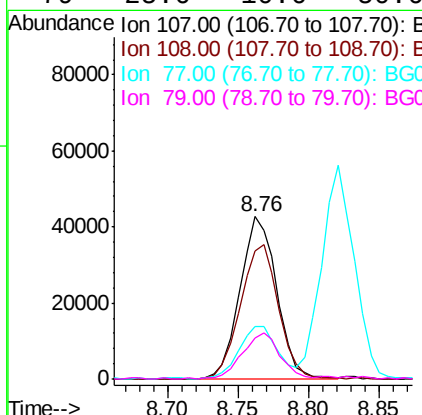
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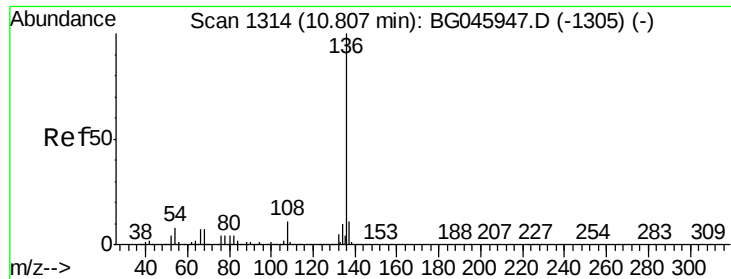
mohammad
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#20
3+4-Methylphenols
Concen: 7.147 ng
RT: 8.76 min Scan# 966
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
107	100		
108	78.5	68.7	108.7
77	32.5	14.6	54.6
79	25.6	10.6	50.6





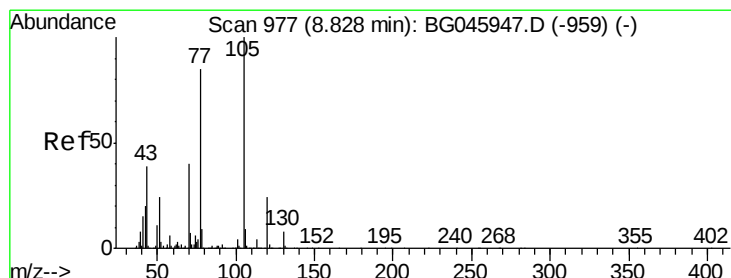
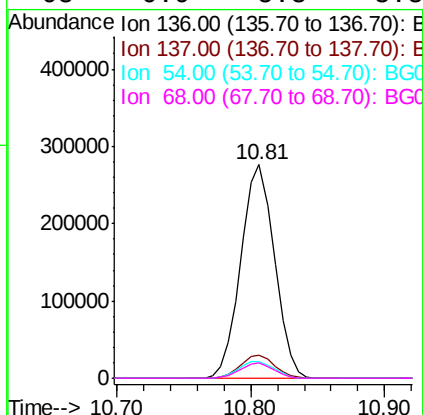
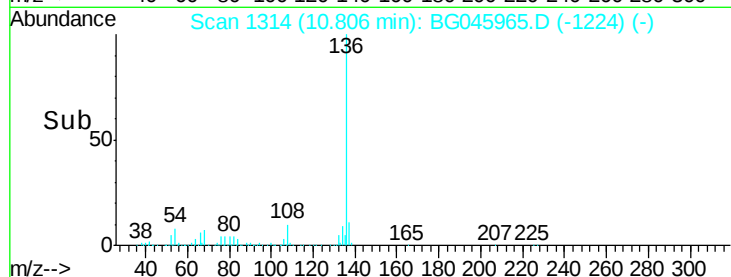
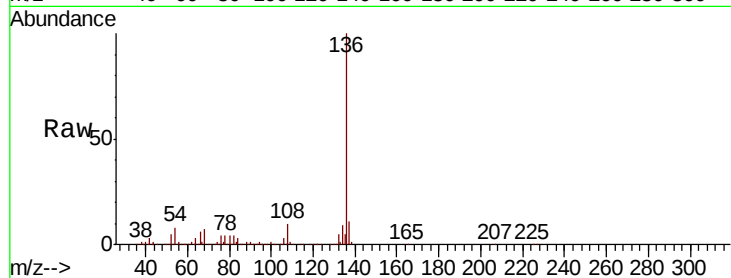
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100	481530		
137	10.7		9.2	13.8
54	8.0		6.2	9.4
68	6.9		5.8	8.8

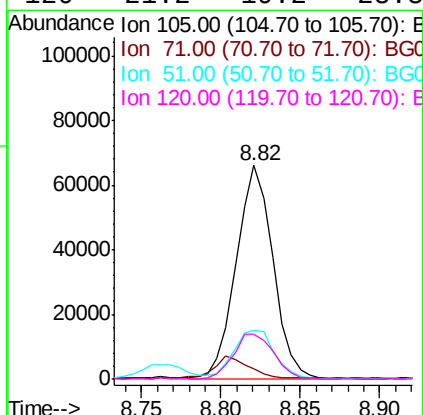
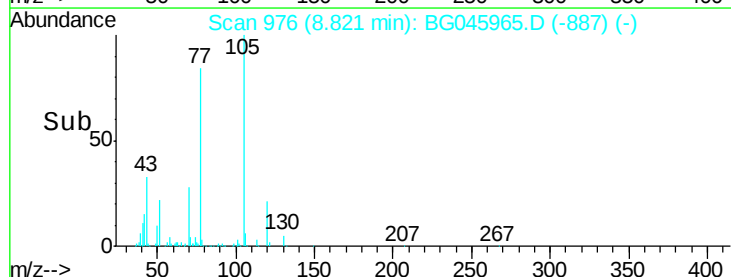
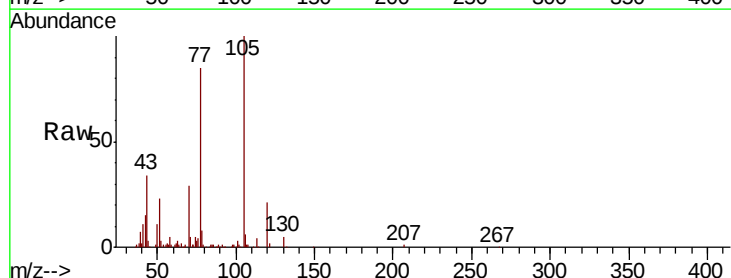
Manual Integrations
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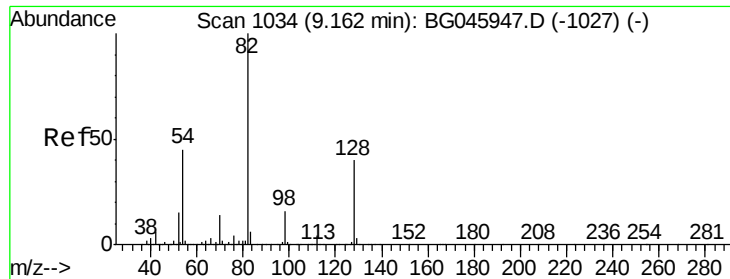
mohammad
7/9/2020 10:55:36 AM



#22
Acetophenone
Concen: 8.289 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	106626		
71	4.6		6.2	9.2#
51	22.7		19.7	29.5
120	21.2		19.2	28.8





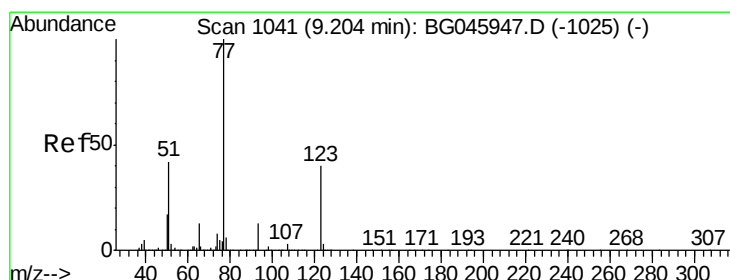
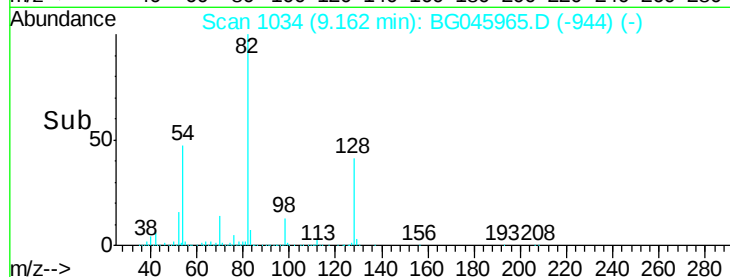
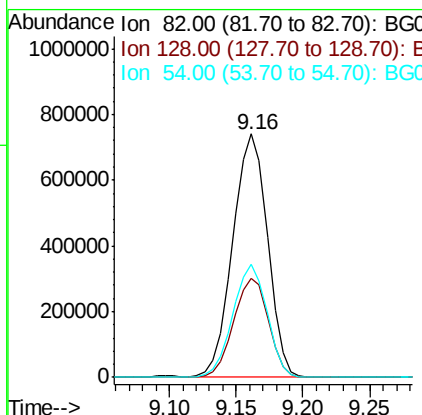
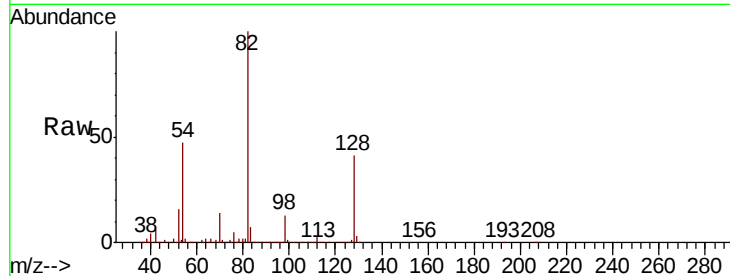
#23
 Nitrobenzene-d5
 Concen: 159.796 ng
 RT: 9.16 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.8	32.2	48.4
54	46.5	35.8	53.6

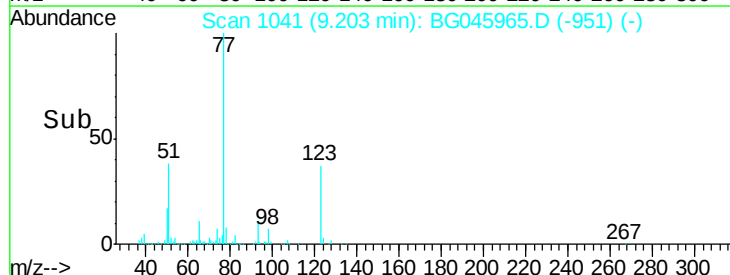
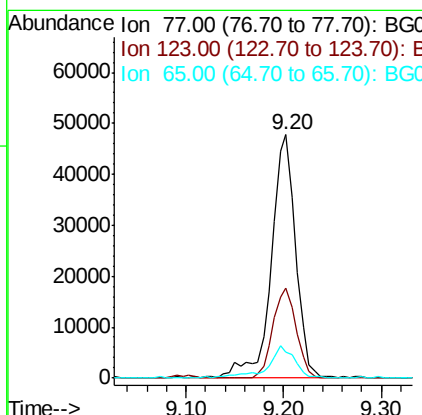
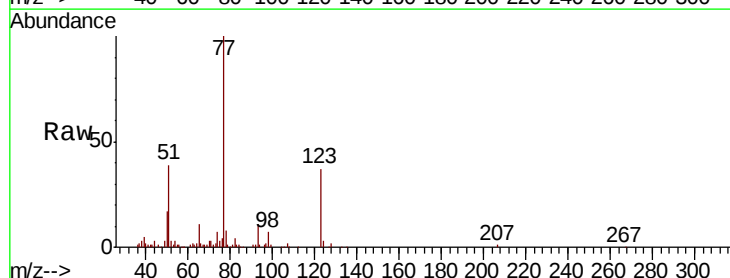
Manual Integrations
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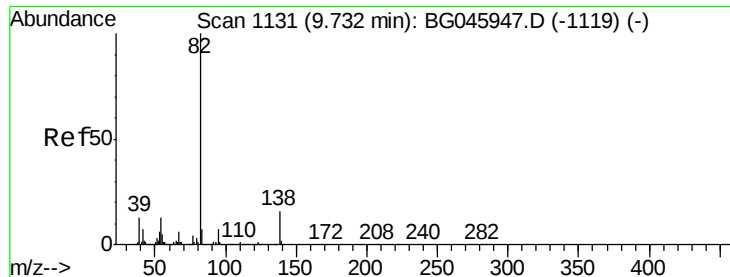
mohammad
 7/9/2020 10:55:36 AM



#24
 Nitrobenzene
 Concen: 9.014 ng
 RT: 9.20 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
77	100		
123	37.0	32.7	49.1
65	10.5	10.2	15.4





#25

Isophorone

Concen: 7.735 ng

RT: 9.73 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

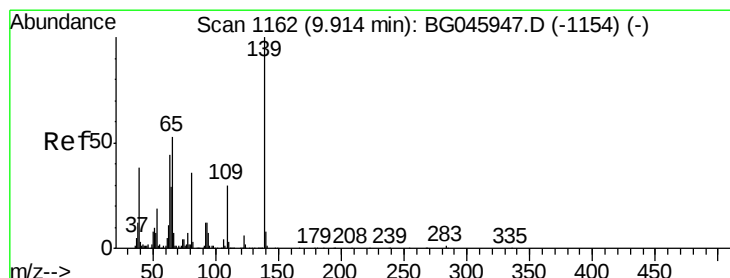
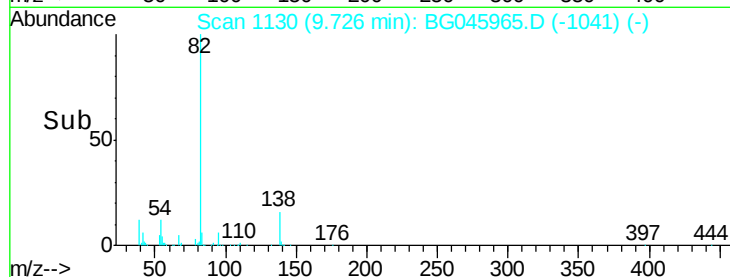
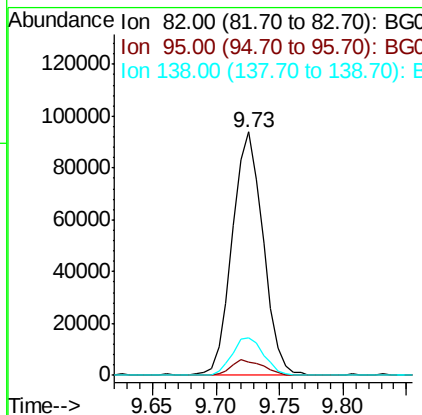
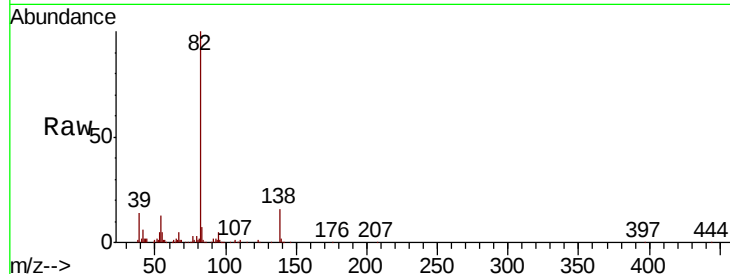
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	82	Resp:	157977
Ion Ratio	Lower	Upper	
82	100		
95	5.4	5.8	8.6#
138	15.6	12.9	19.3

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7/9/2020 10:55:36 AM



#26

2-Nitrophenol

Concen: 7.592 ng

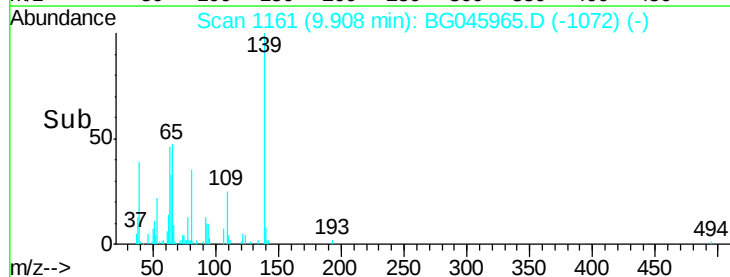
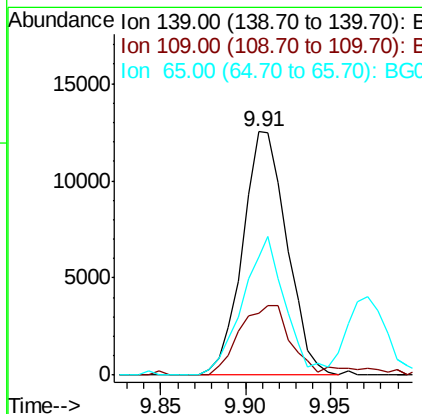
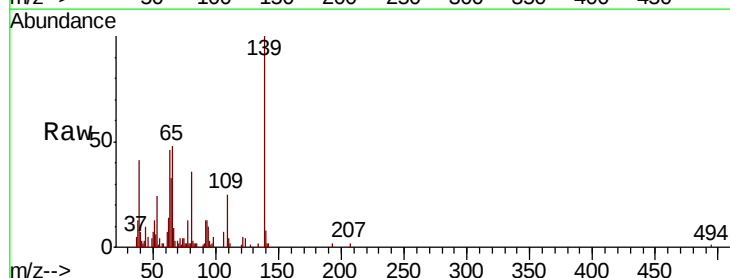
RT: 9.91 min Scan# 1161

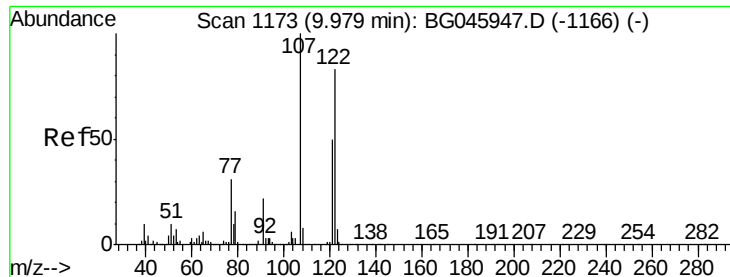
Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Tgt Ion:	139	Resp:	22849
Ion Ratio	Lower	Upper	
139	100		
109	25.4	24.6	37.0
65	48.4	42.6	64.0





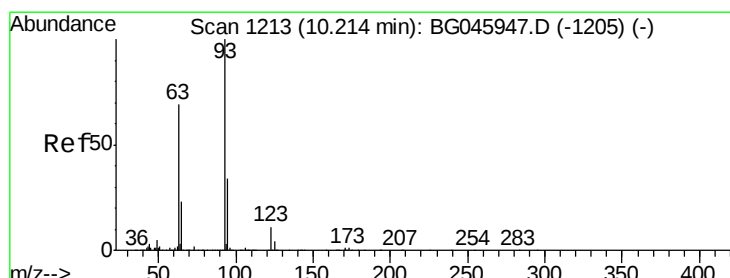
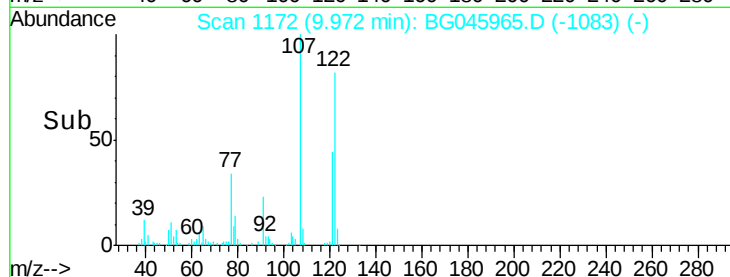
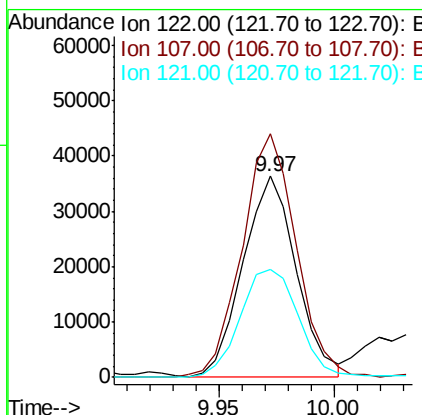
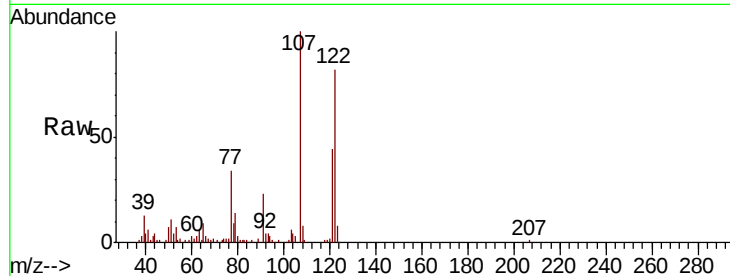
#27
2,4-Dimethylphenol
Concen: 7.985 ng
RT: 9.97 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
122	100		
107	121.3	95.6	143.4
121	54.0	47.7	71.5

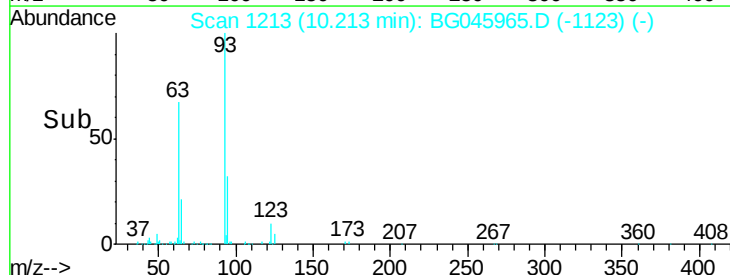
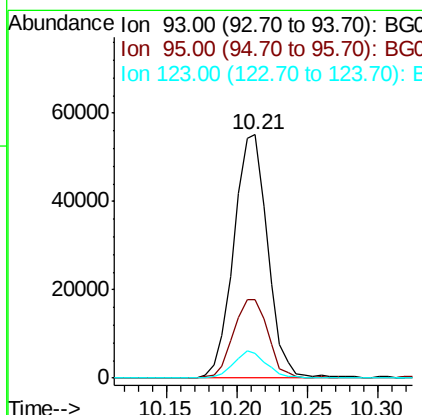
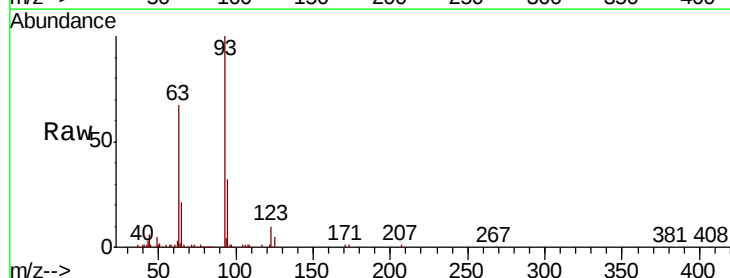
Manual Integrations
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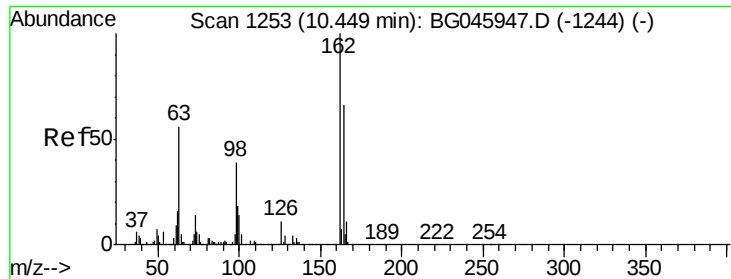
mohammad
7/9/2020 10:55:36 AM



#28
bis(2-Chloroethoxy)methane
Concen: 8.057 ng
RT: 10.21 min Scan# 1213
Delta R.T. -0.00 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.0	27.5	41.3
123	10.0	9.2	13.8





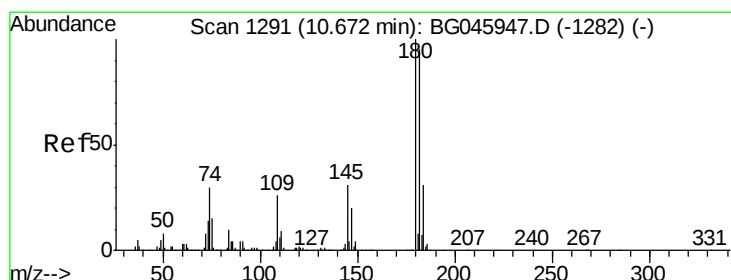
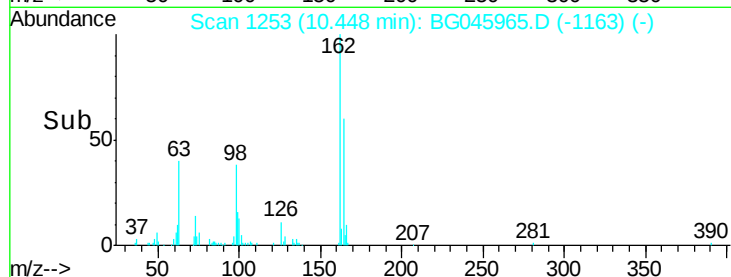
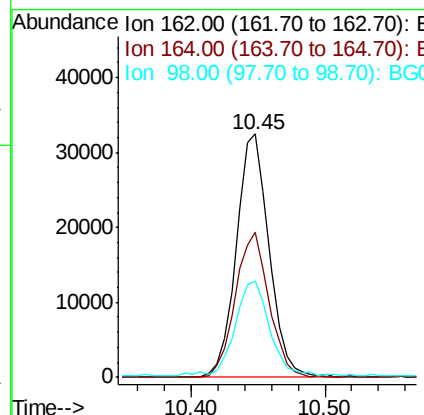
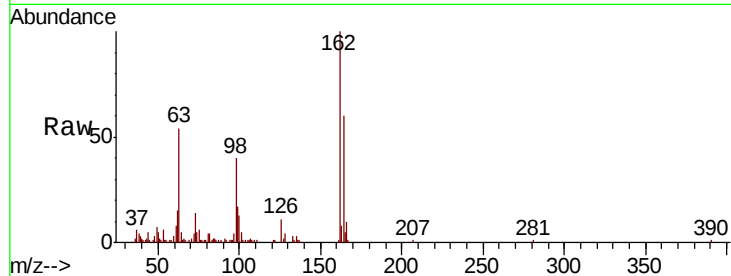
#29
 2,4-Dichlorophenol
 Concen: 7.353 ng
 RT: 10.45 min Scan# 1253
 Delta R.T. -0.00 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
162	100		
164	59.7	46.0	86.0
98	39.6	19.2	59.2

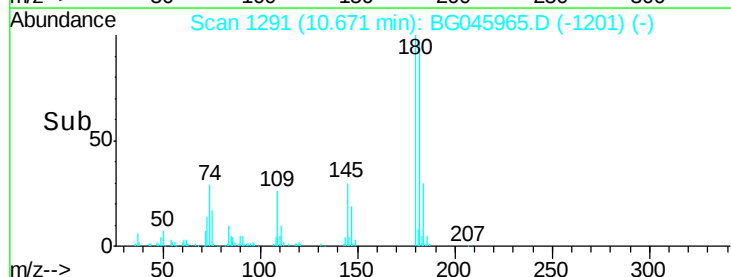
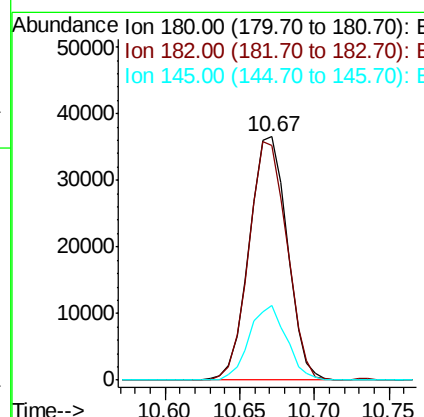
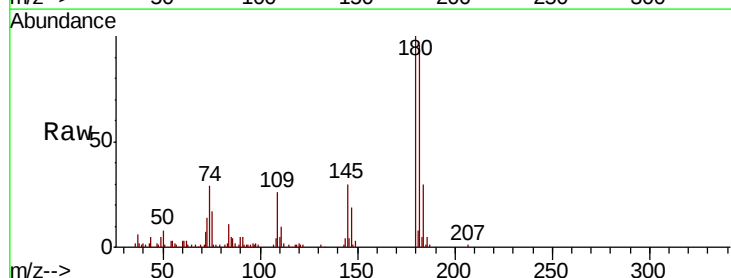
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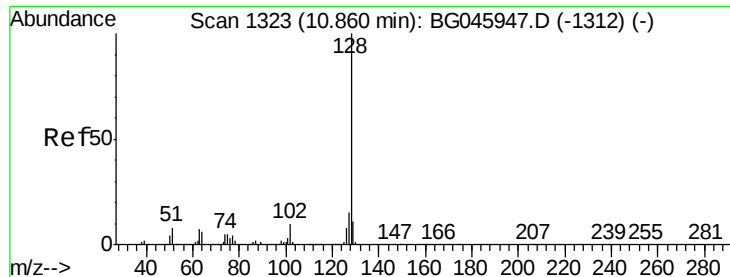
mohammad
 7/9/2020 10:55:36 AM



#30
 1,2,4-Trichlorobenzene
 Concen: 7.721 ng
 RT: 10.67 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.3	114.5
145	30.5	24.8	37.2





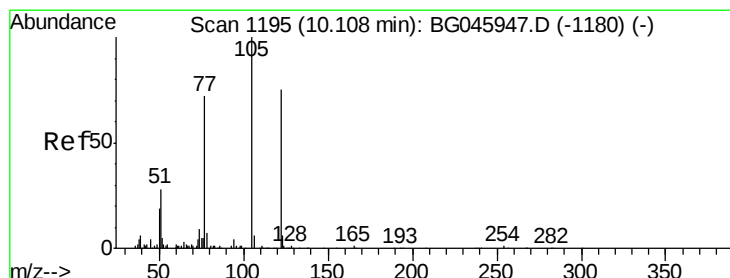
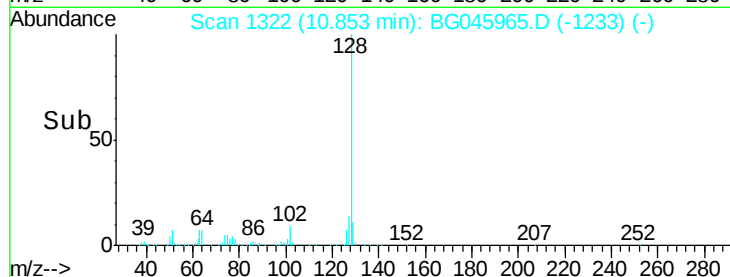
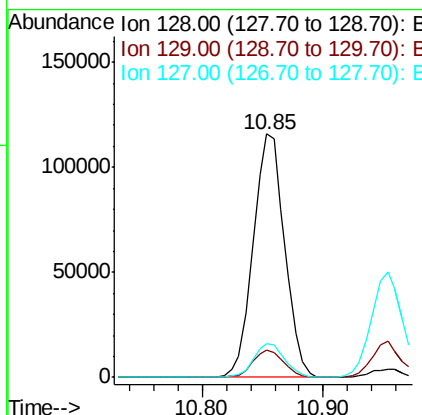
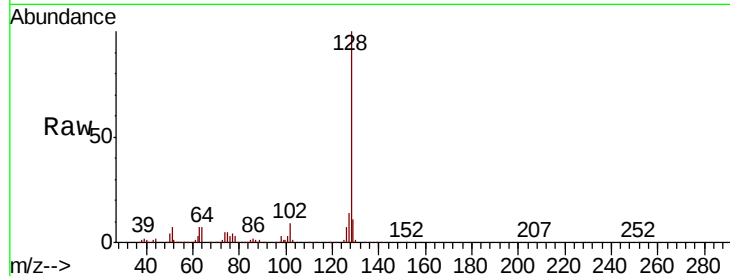
#31
Naphthalene
Concen: 8.086 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.2	13.8
127	14.0	11.8	17.6

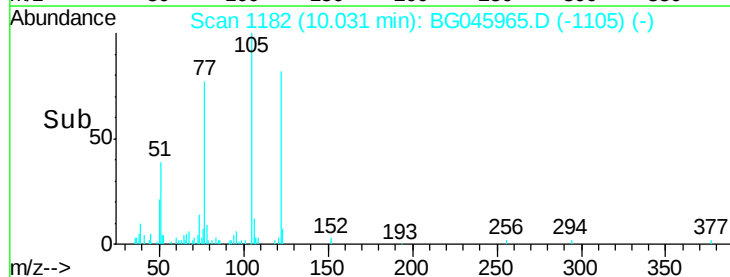
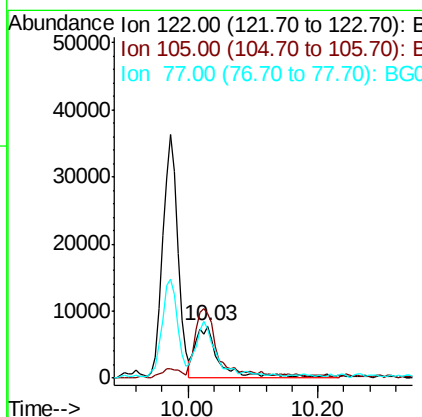
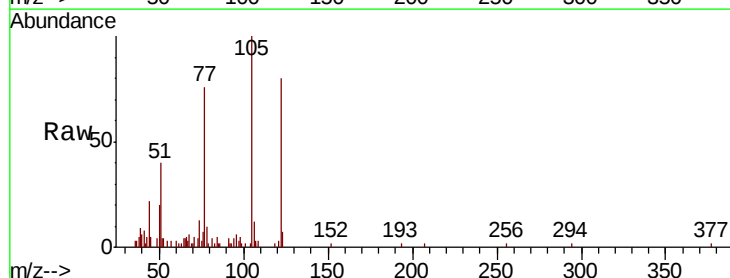
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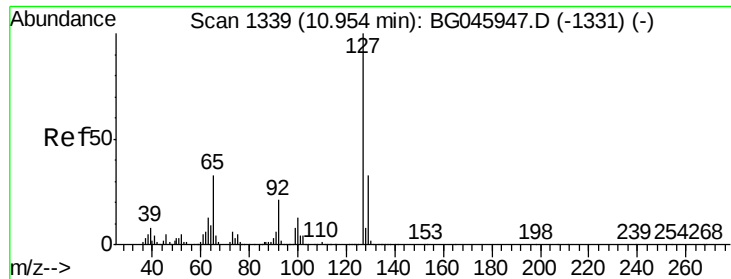
mohammad
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#32
Benzoic acid
Concen: 5.214 ng m
RT: 10.03 min Scan# 1182
Delta R.T. -0.08 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
122	100		
105	124.5	110.8	150.8
77	94.3	76.4	116.4





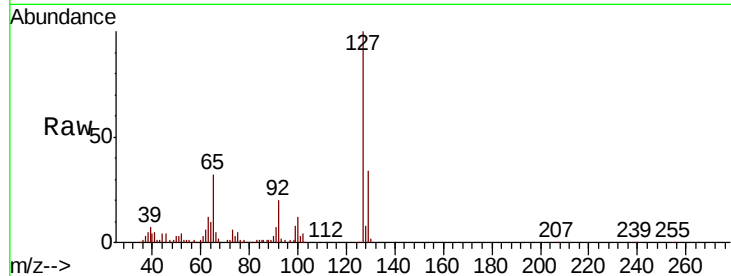
#33
4-Chloroaniline
Concen: 7.707 ng
RT: 10.95 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	34.3	26.6	39.8	
65	31.7	26.8	40.2	
92	19.9	17.0	25.4	

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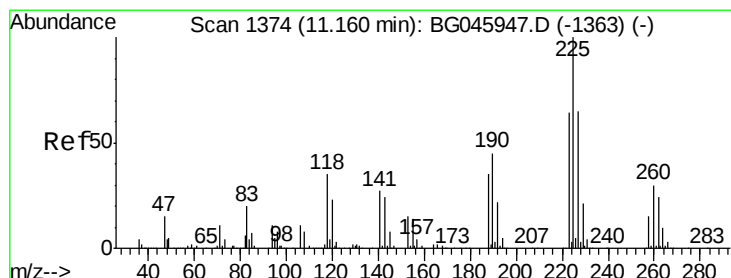
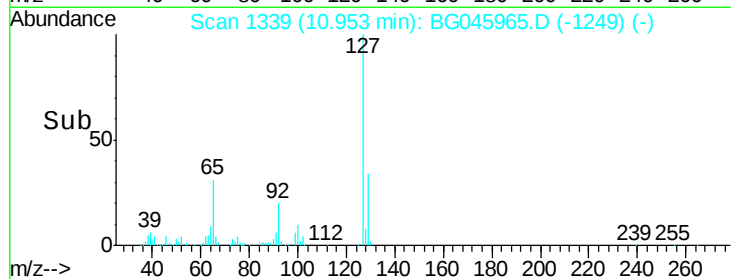
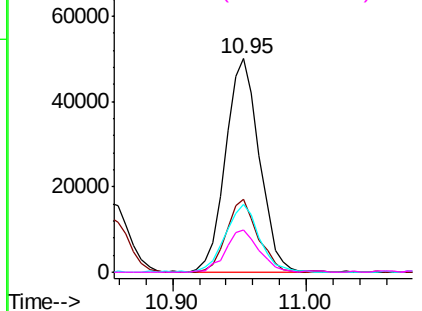
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

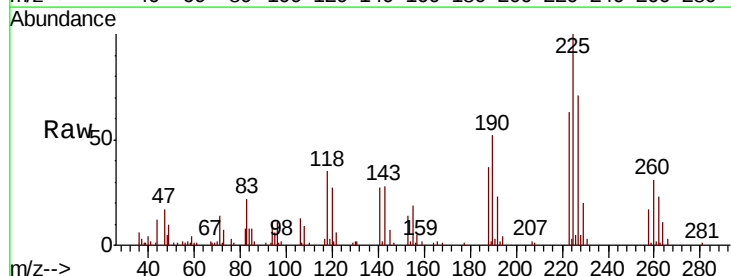
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34
Hexachlorobutadiene
Concen: 7.108 ng
RT: 11.15 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	51.2	76.8	
227	70.8	52.3	78.5	

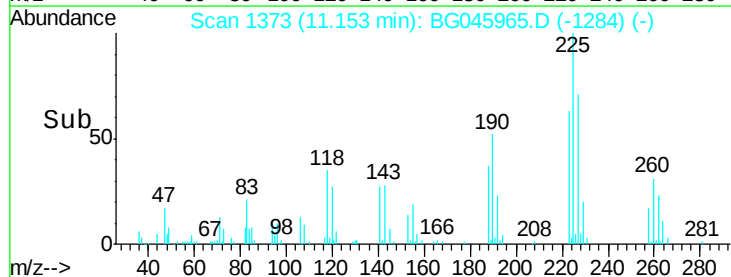
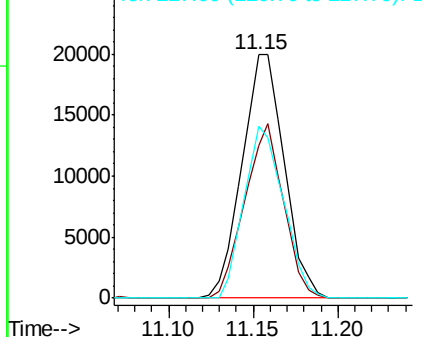


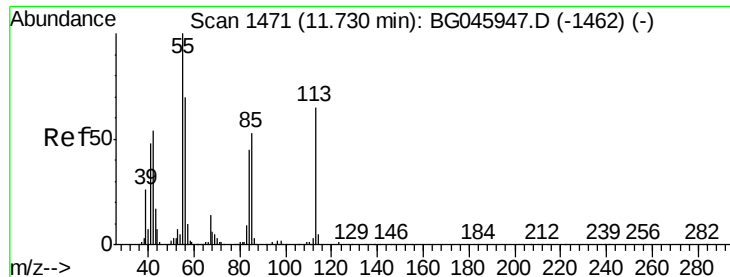
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 7.305 ng

RT: 11.69 min Scan# 1465

Delta R.T. -0.04 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

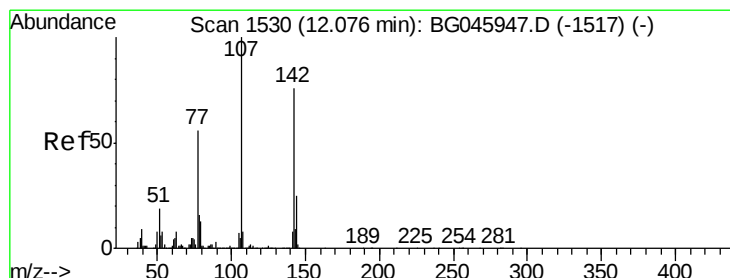
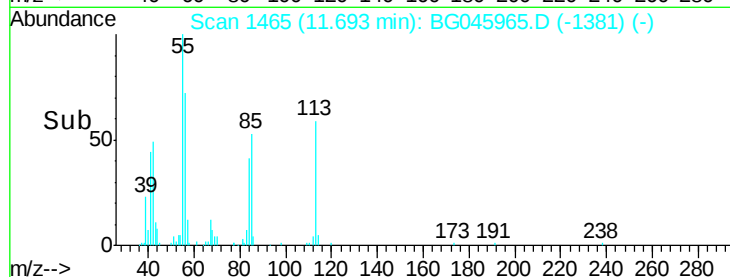
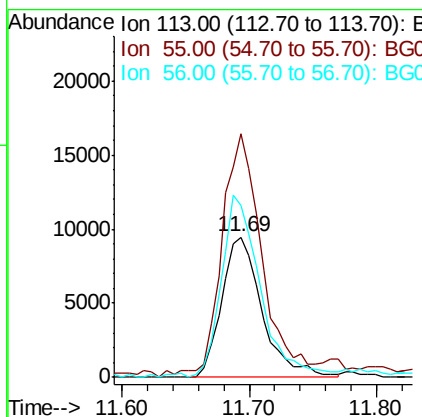
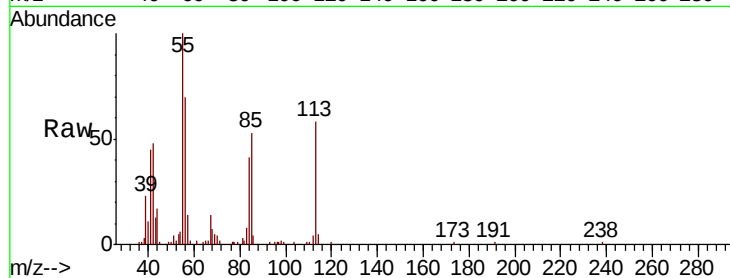
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	113	Resp:	20873
Ion Ratio	Lower	Upper	
113	100		
55	173.4	141.6	181.6
56	122.0	89.6	129.6

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#36

4-Chloro-3-methylphenol

Concen: 7.621 ng

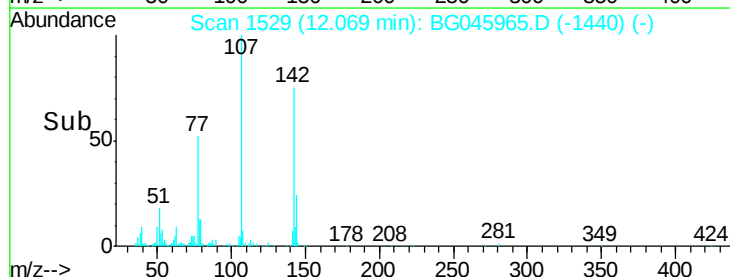
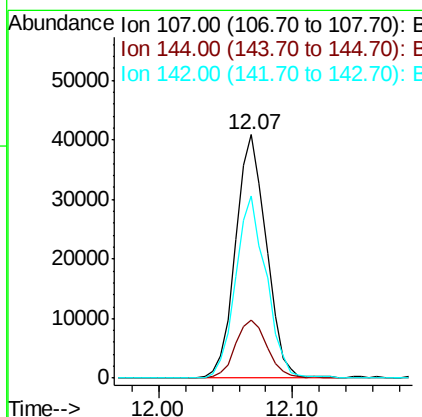
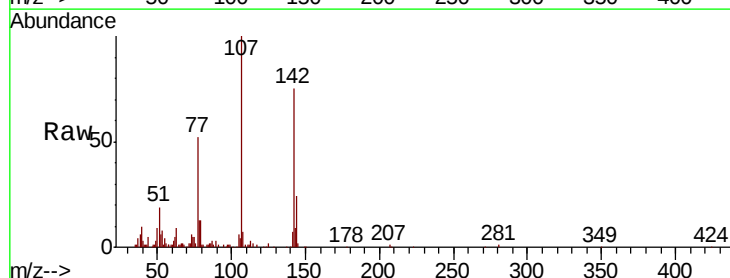
RT: 12.07 min Scan# 1529

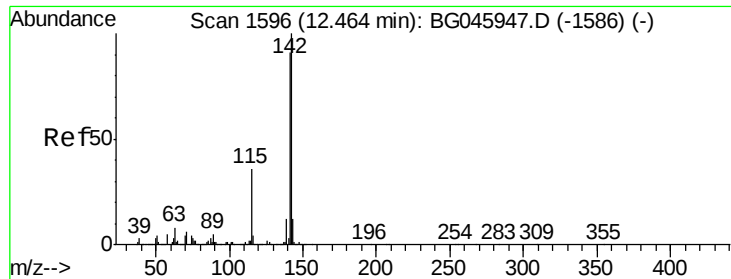
Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Tgt Ion:	107	Resp:	65322
Ion Ratio	Lower	Upper	
107	100		
144	23.6	20.0	30.0
142	75.0	61.1	91.7





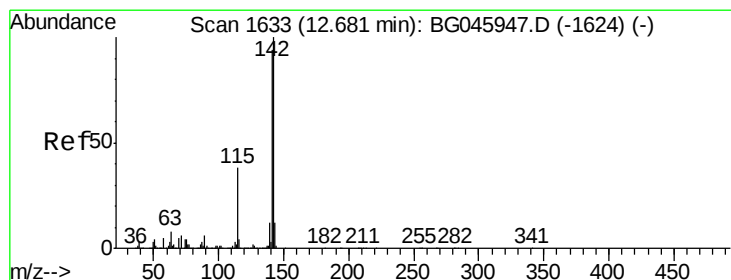
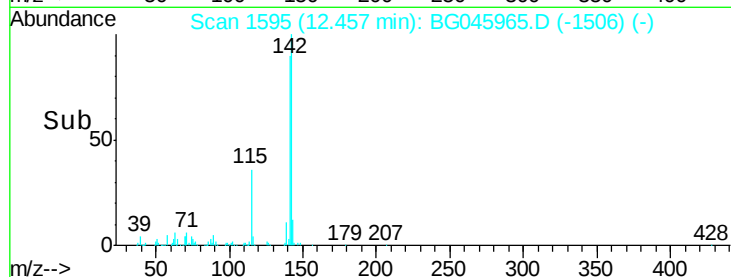
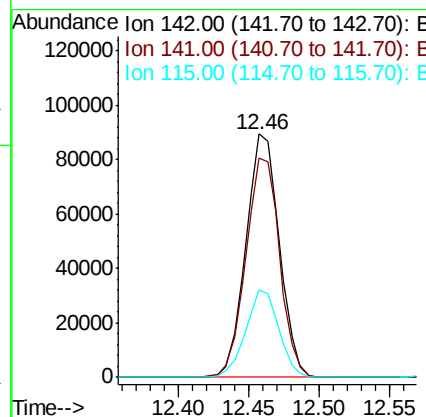
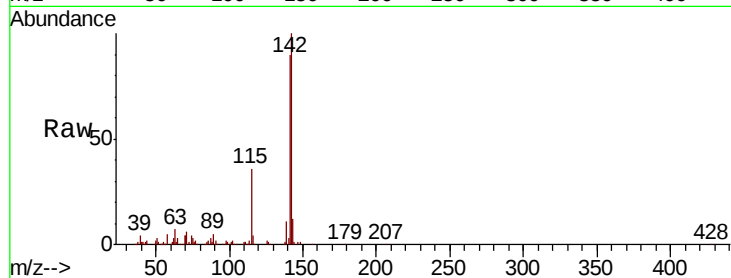
#37
2-Methylnaphthalene
Concen: 8.077 ng
RT: 12.46 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.3	73.0	109.6
115	35.9	28.8	43.2

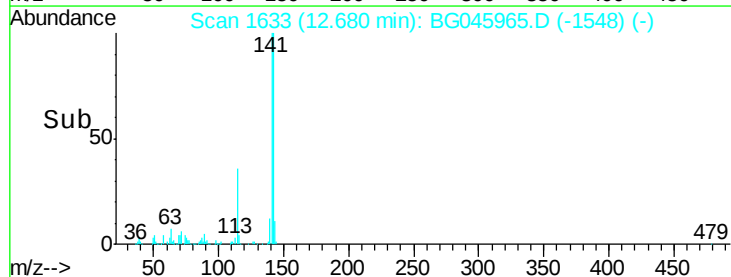
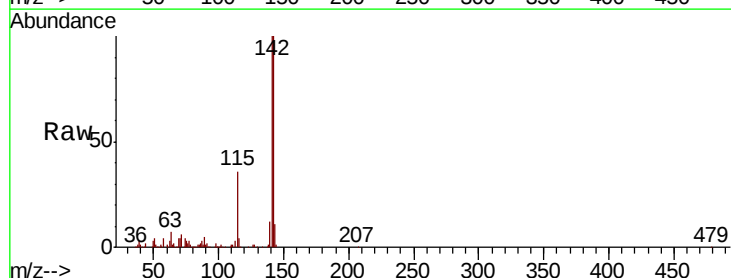
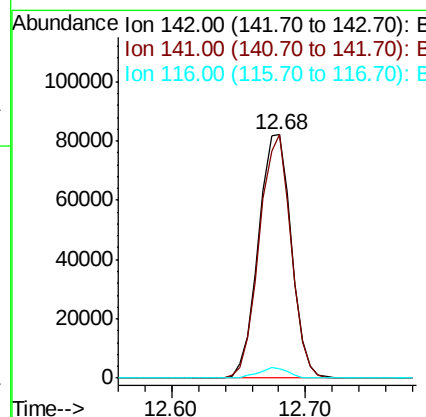
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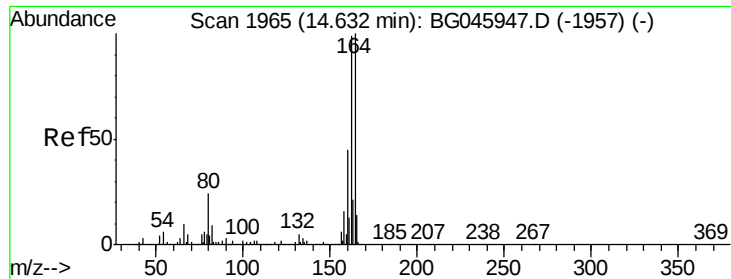
mohammad
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#38
1-Methylnaphthalene
Concen: 8.029 ng
RT: 12.68 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	99.9	75.2	112.8
116	4.0	3.1	4.7





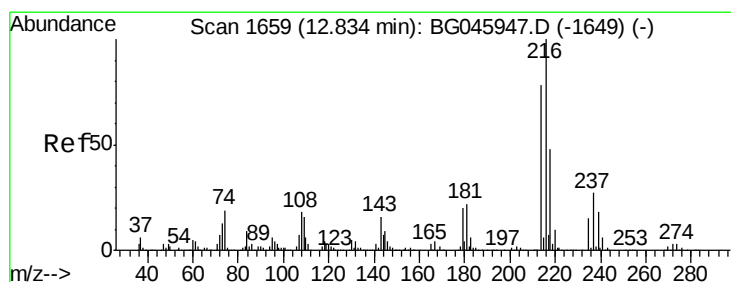
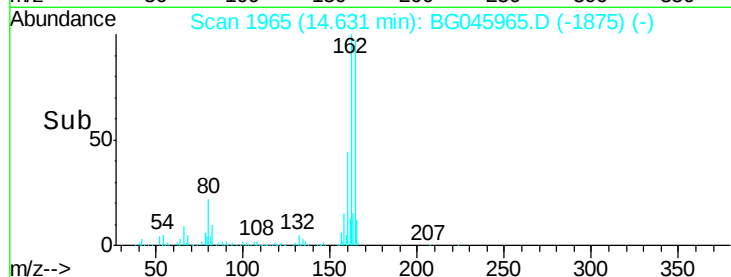
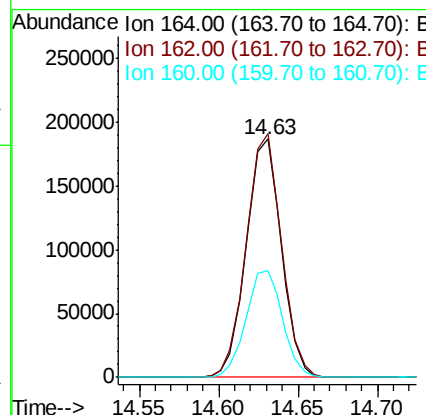
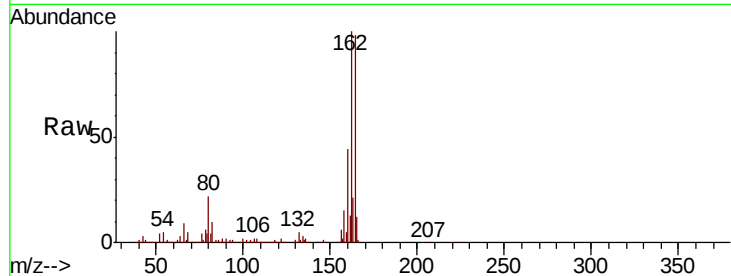
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	79.3	118.9
160	44.9	35.7	53.5

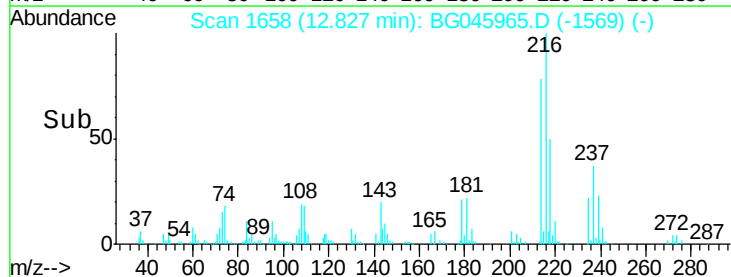
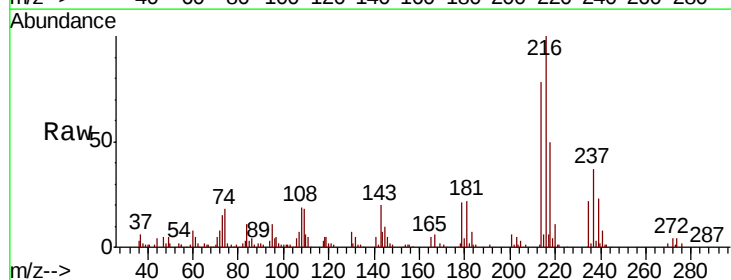
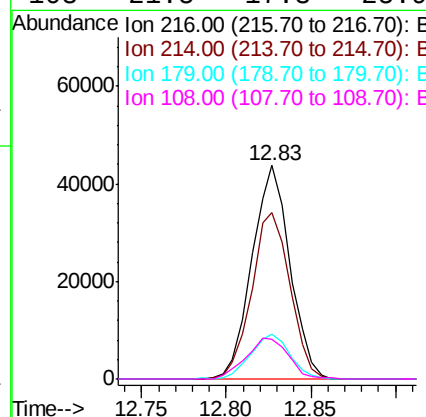
Manual Integrations
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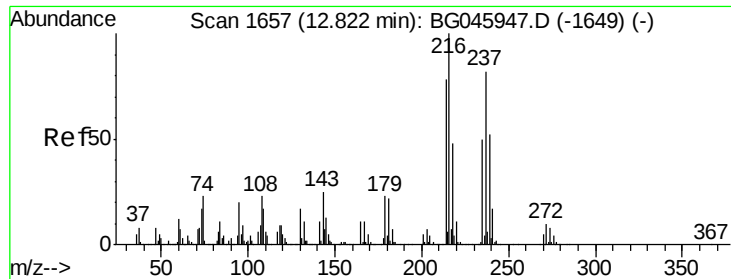
mohammad
7/9/2020 10:55:36 AM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.440 ng
RT: 12.83 min Scan# 1658
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.0	94.4
179	21.9	17.0	25.6
108	21.5	17.3	25.9





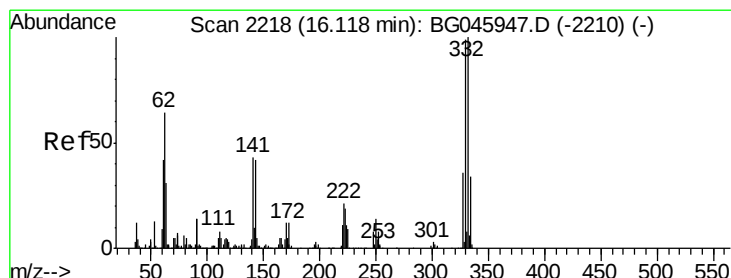
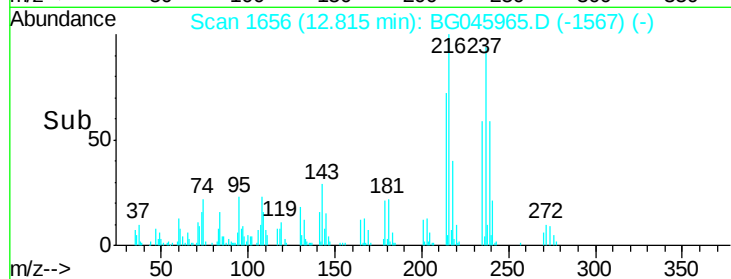
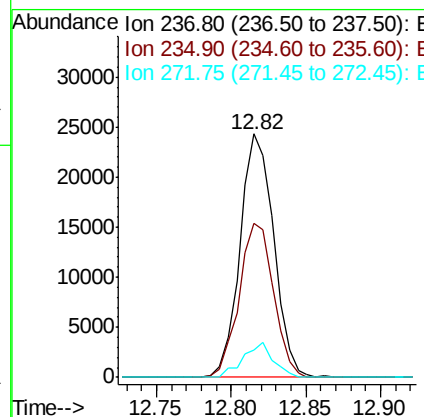
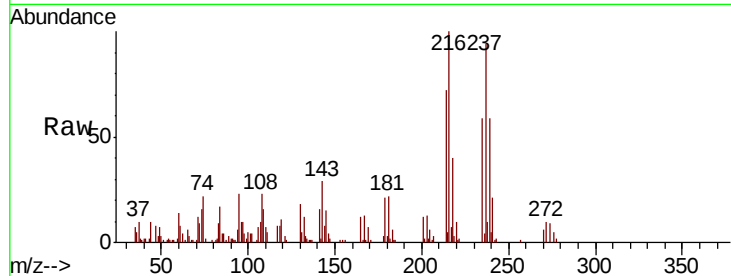
#41
Hexachlorocyclopentadiene
Concen: 7.933 ng
RT: 12.82 min Scan# 1656
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
237	100		
235	63.1	41.5	81.5
272	11.0	0.0	31.7

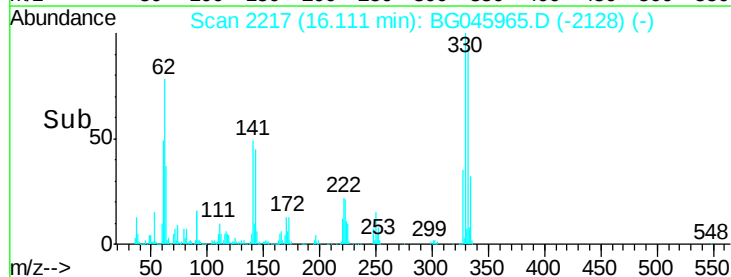
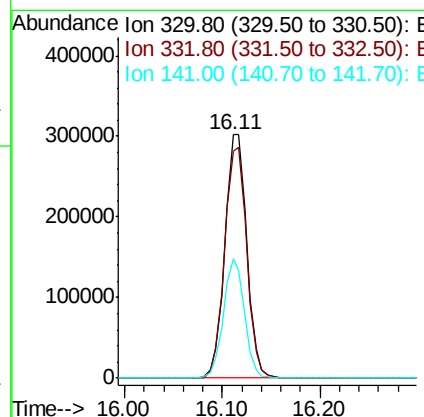
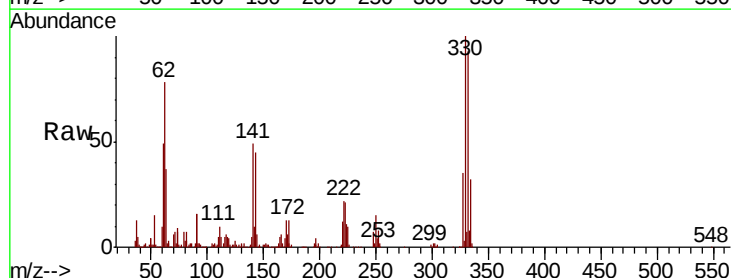
Manual Integrations
APPROVED

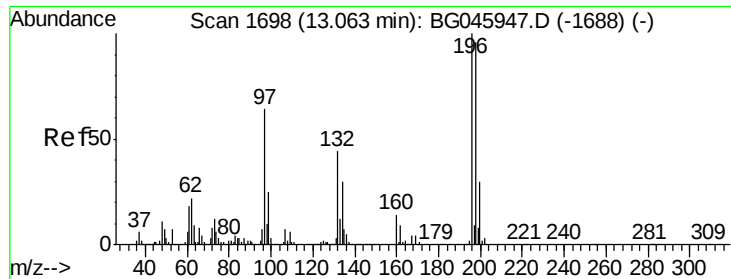
mohammad
7/9/2020 10:55:36 AM



#42
2,4,6-Tribromophenol
Concen: 176.175 ng
RT: 16.11 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.3	117.5
141	46.6	36.6	54.8





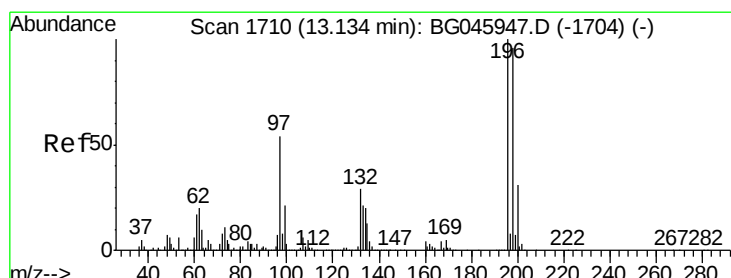
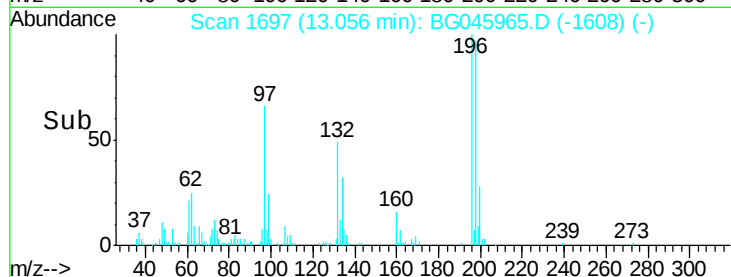
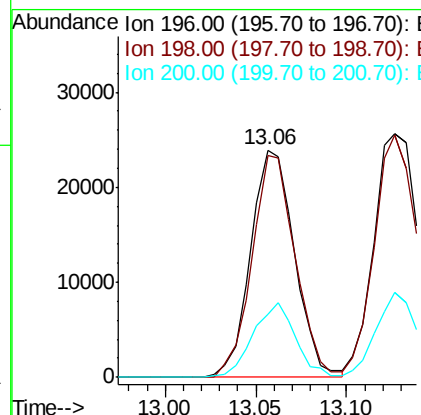
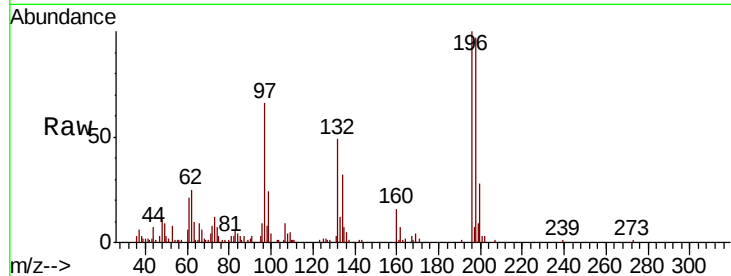
#43
 2,4,6-Trichlorophenol
 Concen: 7.362 ng
 RT: 13.06 min Scan# 1697
 Delta R.T. -0.01 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
196	100		
198	97.5	76.7	115.1
200	27.9	24.3	36.5

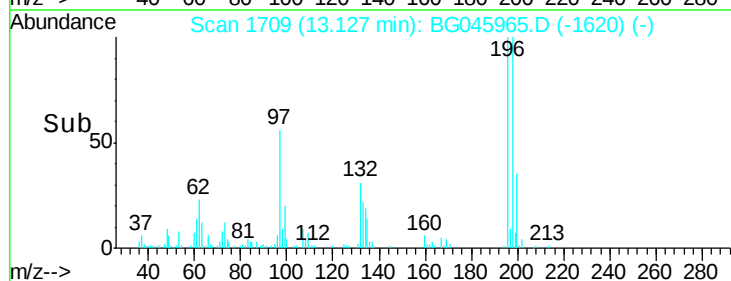
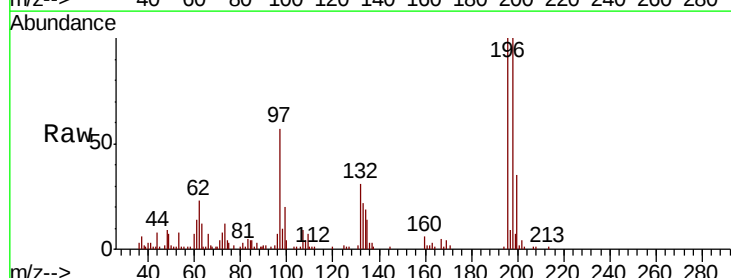
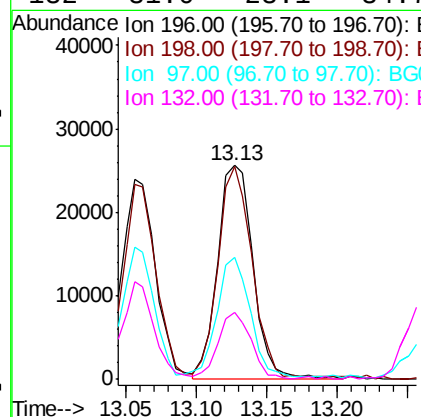
Manual Integrations
 APPROVED

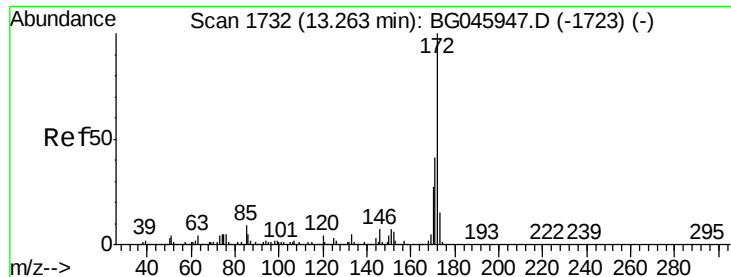
mohammad
 7/9/2020 10:55:36 AM



#44
 2,4,5-Trichlorophenol
 Concen: 7.233 ng
 RT: 13.13 min Scan# 1709
 Delta R.T. -0.01 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
196	100		
198	99.7	77.0	115.6
97	57.0	44.3	66.5
132	31.0	23.1	34.7





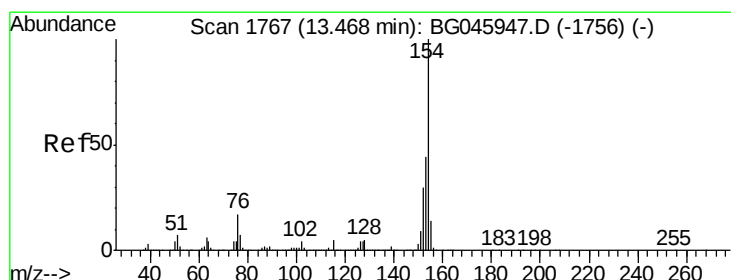
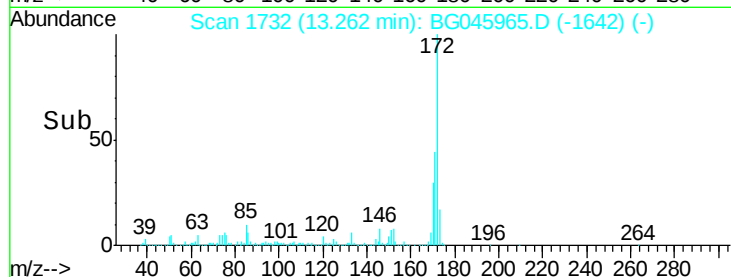
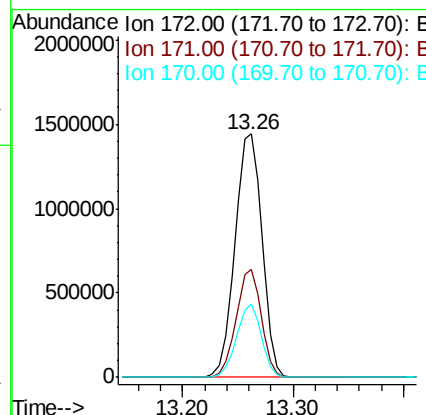
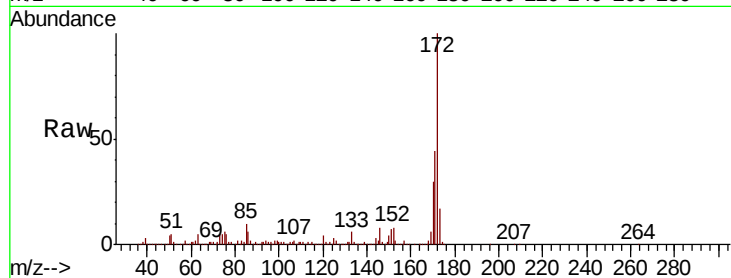
#45
2-Fluorobiphenyl
Concen: 134.511 ng
RT: 13.26 min Scan# 1732
Delta R.T. -0.00 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	44.4	32.9	49.3
170	30.0	21.8	32.6

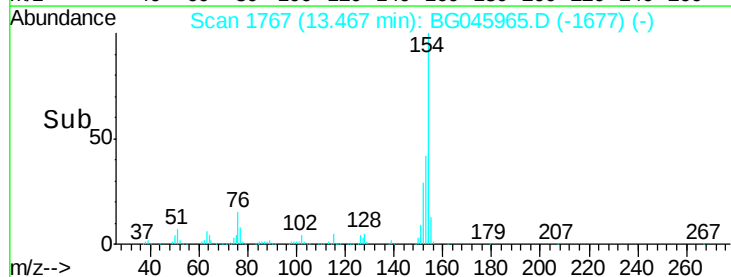
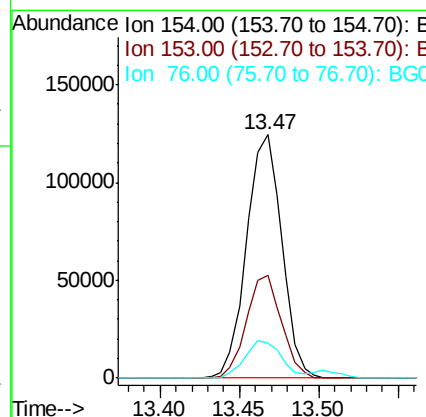
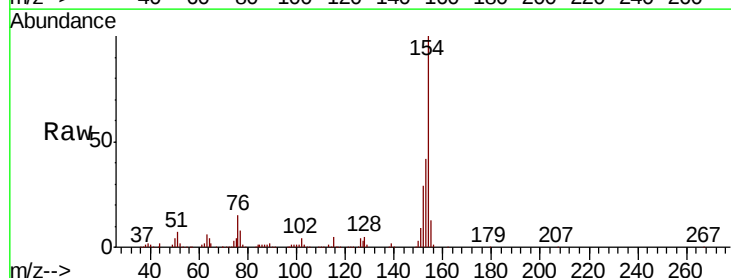
Manual Integrations
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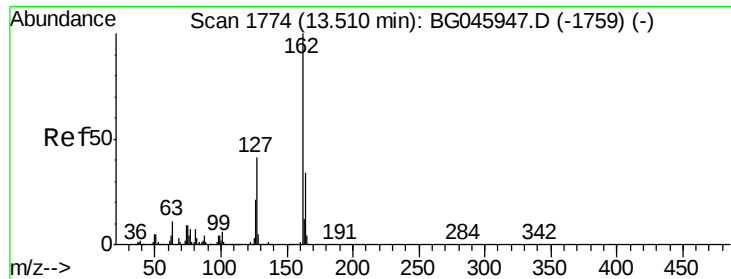
mohammad
7/9/2020 10:55:36 AM



#46
1,1'-Biphenyl
Concen: 8.902 ng
RT: 13.47 min Scan# 1767
Delta R.T. -0.00 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.0	23.6	63.6
76	14.5	0.0	36.9





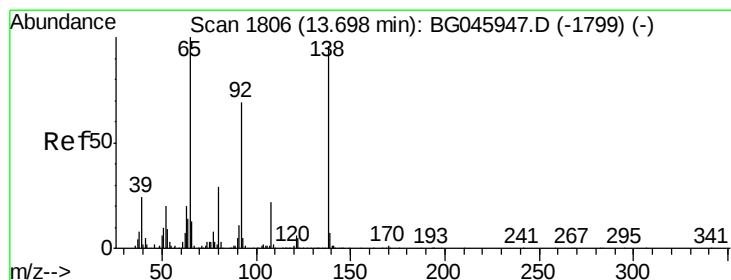
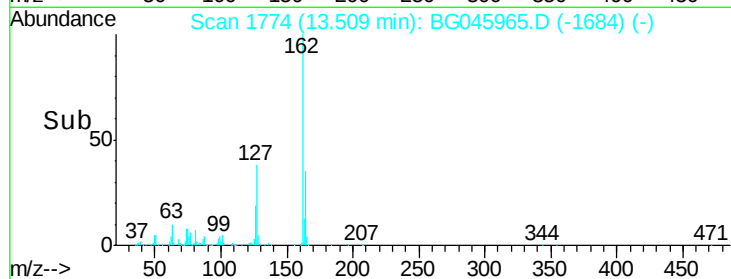
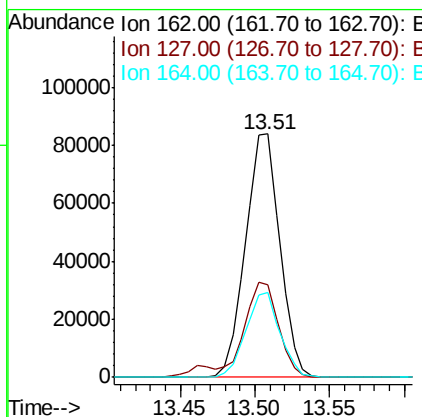
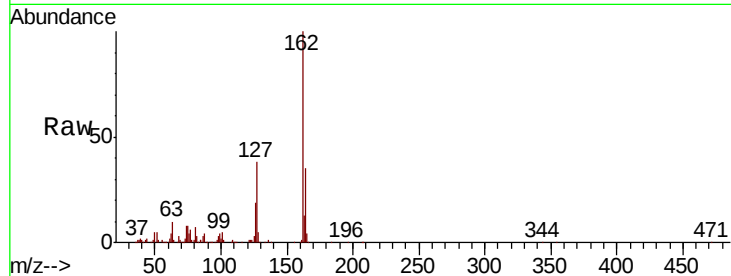
#47
 2-Chloronaphthalene
 Concen: 7.839 ng
 RT: 13.51 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
162	100		
127	37.8	32.5	48.7
164	34.8	27.2	40.8

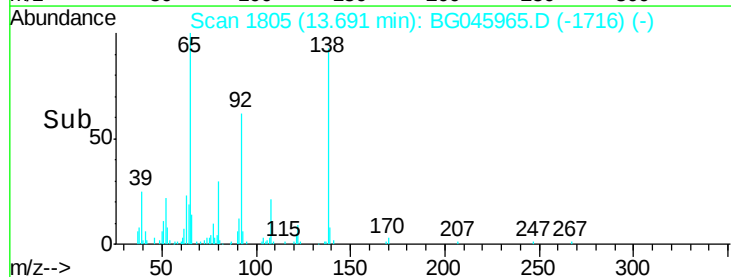
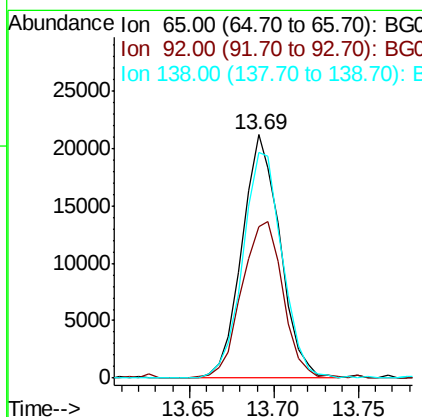
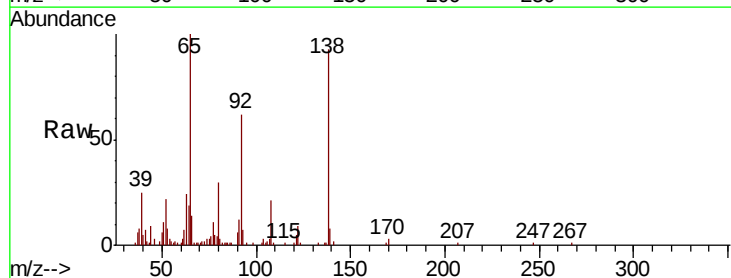
Manual Integrations
 APPROVED

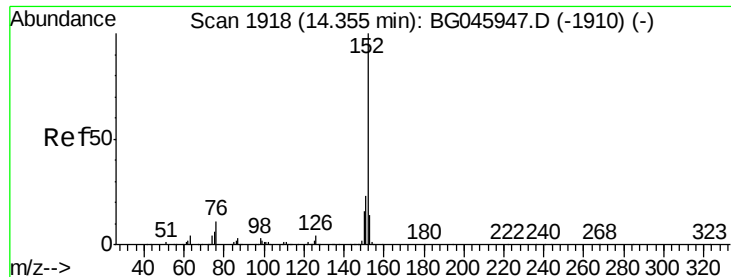
mohammad
 7/9/2020 10:55:36 AM



#48
 2-Nitroaniline
 Concen: 8.328 ng
 RT: 13.69 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
65	100		
92	62.4	55.4	83.0
138	92.9	77.0	115.4





#49

Acenaphthylene

Concen: 8.395 ng

RT: 14.35 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

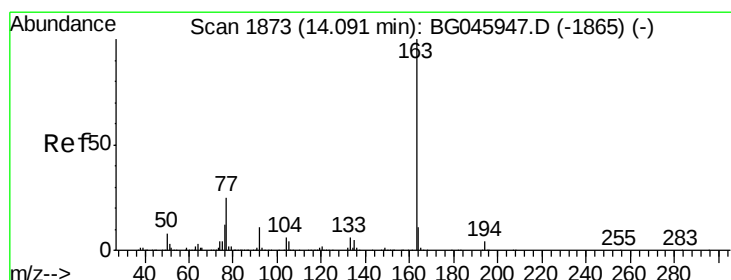
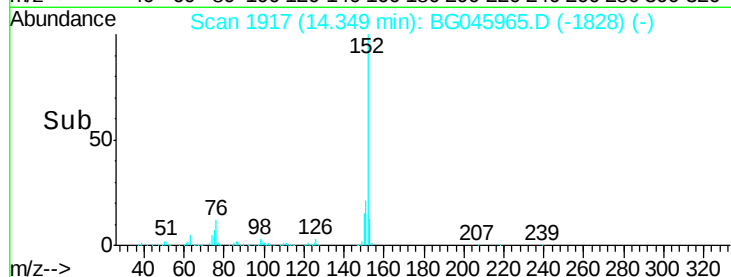
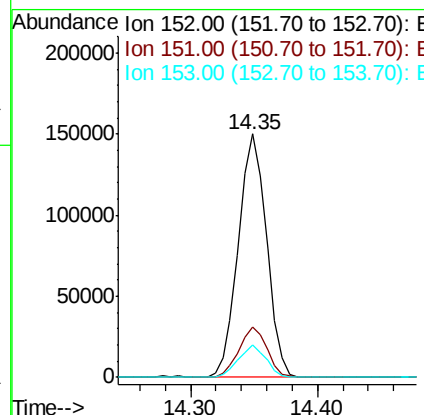
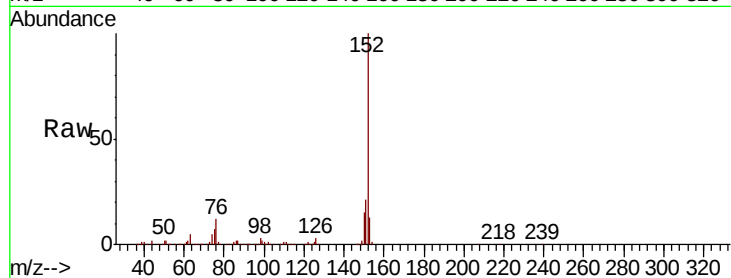
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	152	Resp:	230678
Ion Ratio		Lower	Upper
152	100		
151	20.5	18.1	27.1
153	13.3	11.5	17.3

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#50

Dimethylphthalate

Concen: 7.774 ng

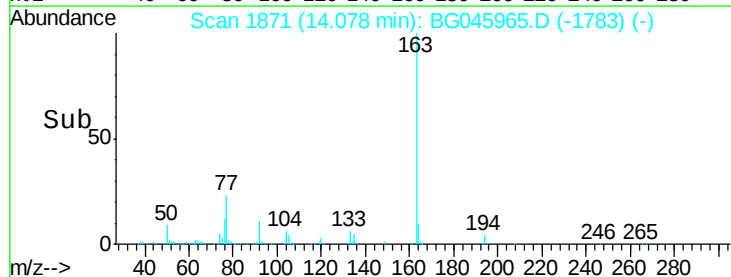
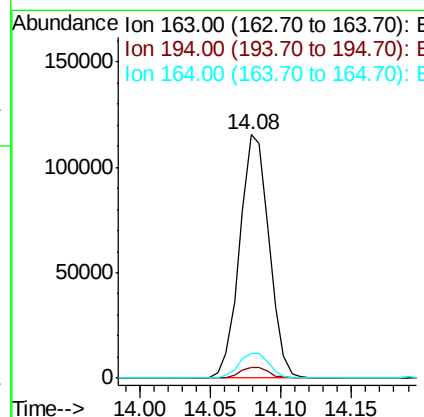
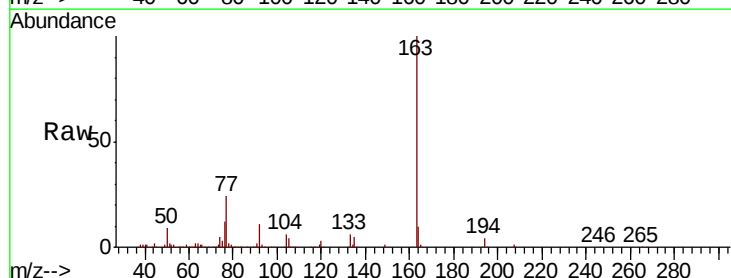
RT: 14.08 min Scan# 1871

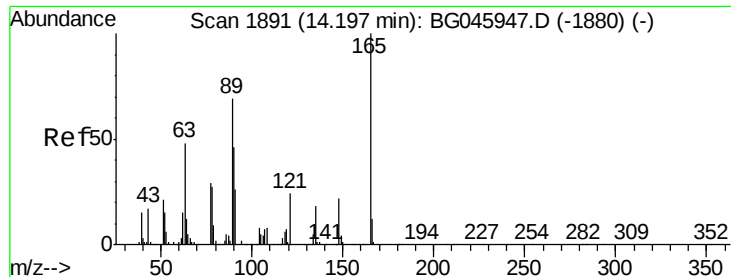
Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Tgt Ion:	163	Resp:	167420
Ion Ratio		Lower	Upper
163	100		
194	4.2	3.6	5.4
164	10.2	8.9	13.3





#51

2,6-Dinitrotoluene

Concen: 7.861 ng

RT: 14.19 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

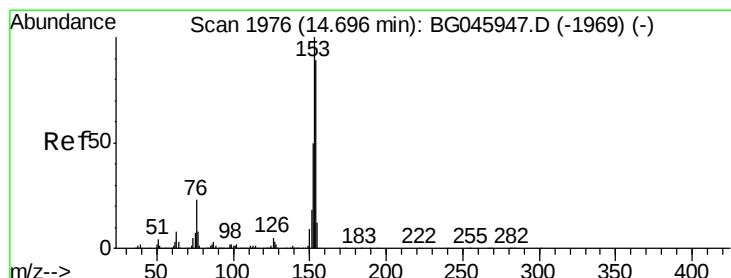
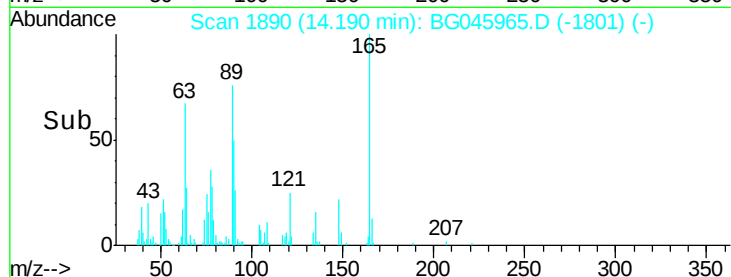
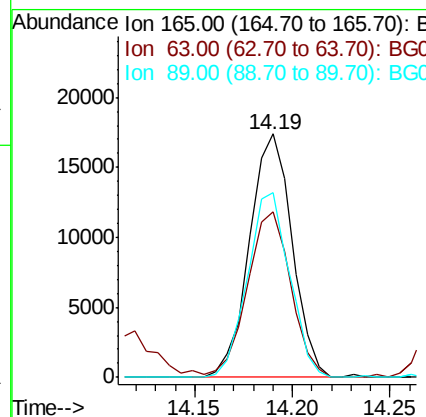
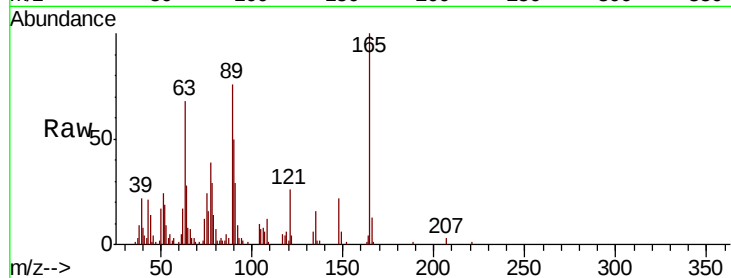
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	165	Resp:	26268
Ion Ratio	Lower	Upper	
165	100		
63	67.8	51.0	76.4
89	75.7	55.7	83.5

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#52

Acenaphthene

Concen: 8.006 ng

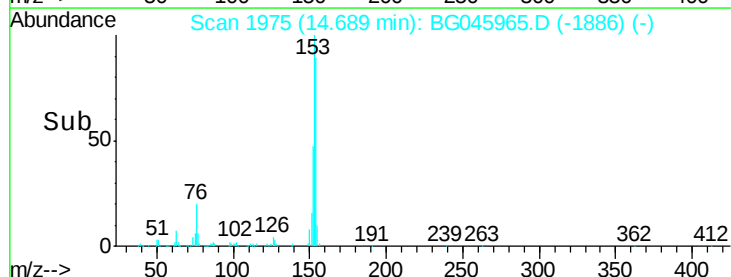
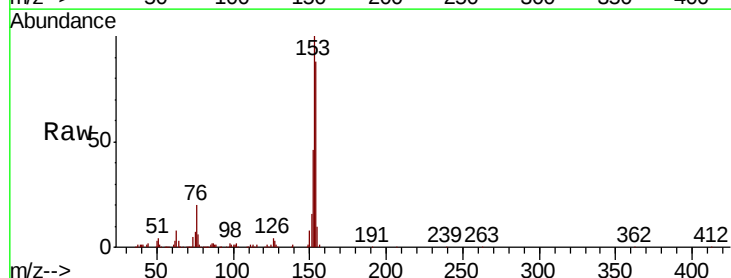
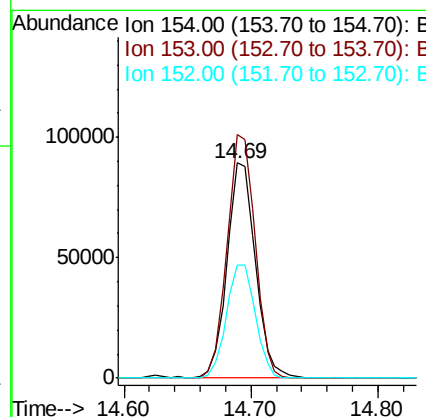
RT: 14.69 min Scan# 1975

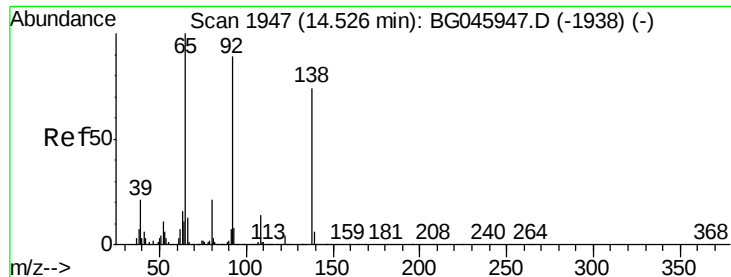
Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Tgt Ion:	154	Resp:	138757
Ion Ratio	Lower	Upper	
154	100		
153	113.1	89.7	134.5
152	52.5	44.7	67.1





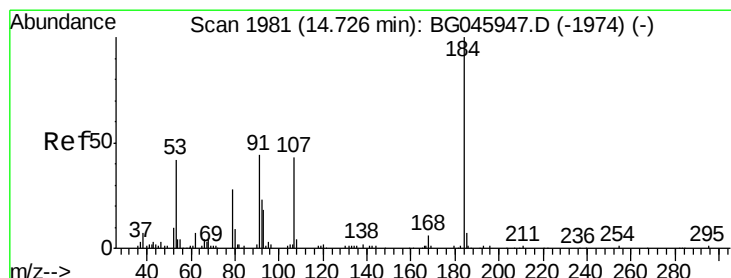
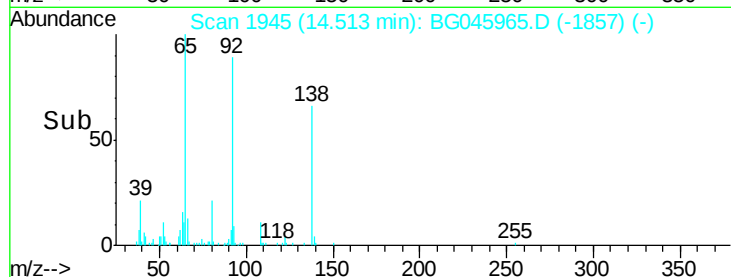
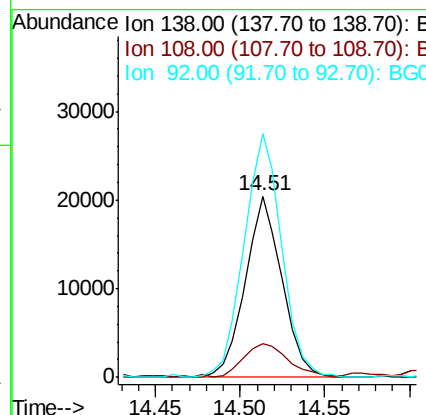
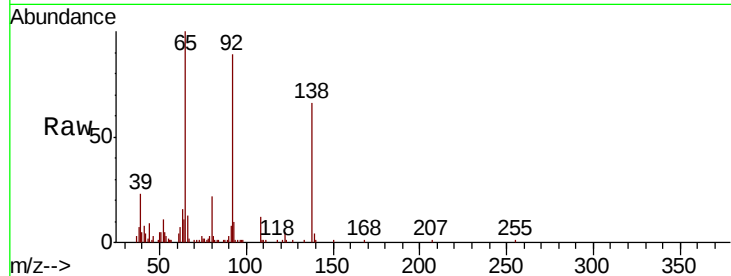
#53
3-Nitroaniline
Concen: 7.407 ng
RT: 14.51 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
138	100		
108	18.4	15.4	23.2
92	134.6	95.9	143.9

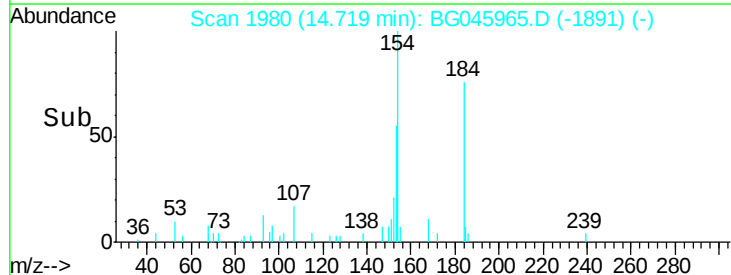
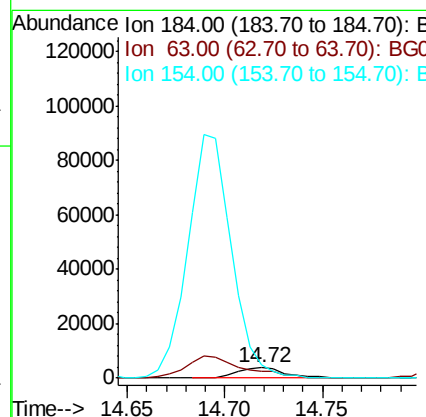
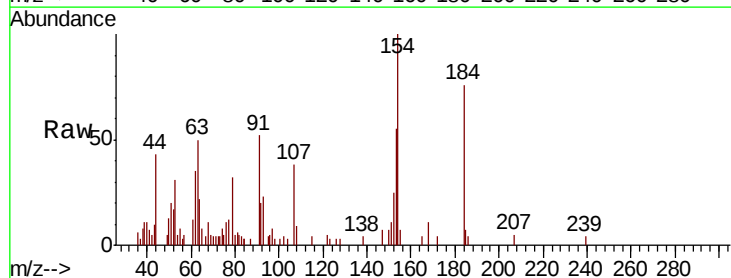
Manual Integrations
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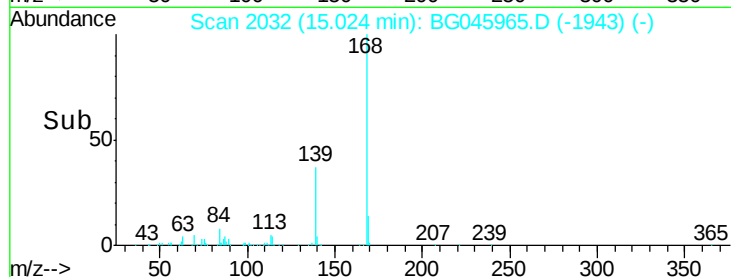
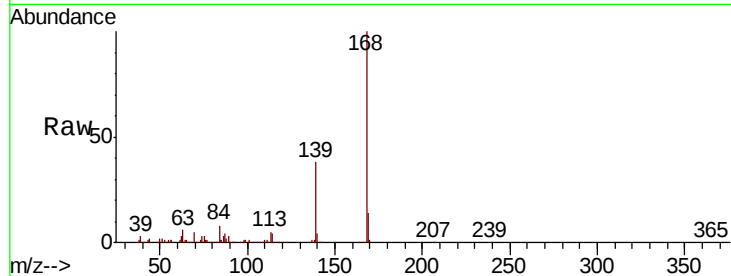
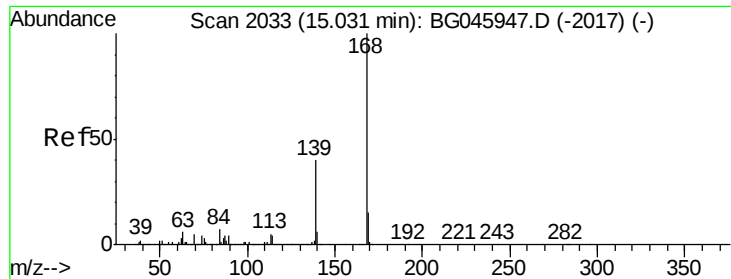
mohammad
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#54
2,4-Dinitrophenol
Concen: 5.272 ng
RT: 14.72 min Scan# 1980
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
184	100		
63	65.3	46.0	69.0
154	131.6	58.2	87.2





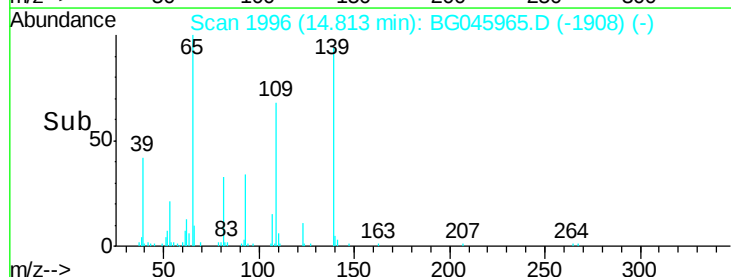
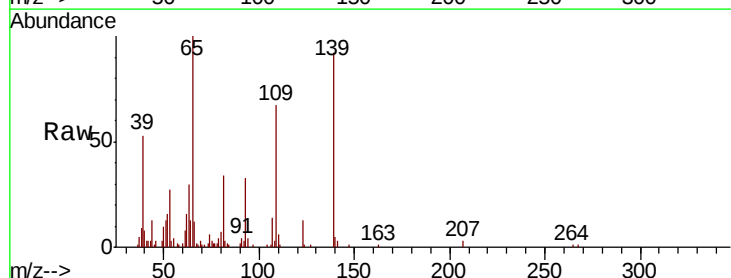
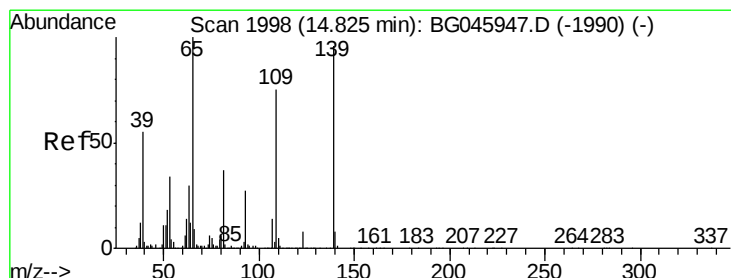
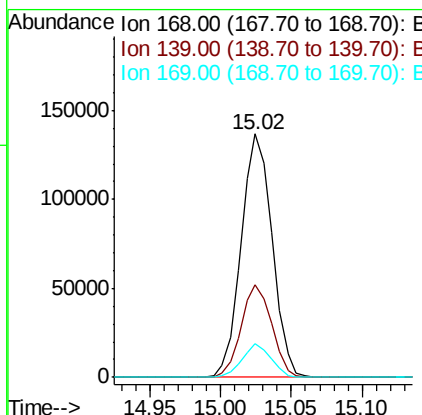
#55
Dibenzofuran
Concen: 8.263 ng
RT: 15.02 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.2	32.2	48.2
169	13.8	11.8	17.8

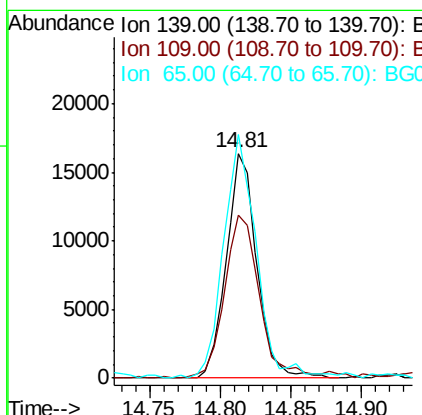
Manual Integrations
APPROVED

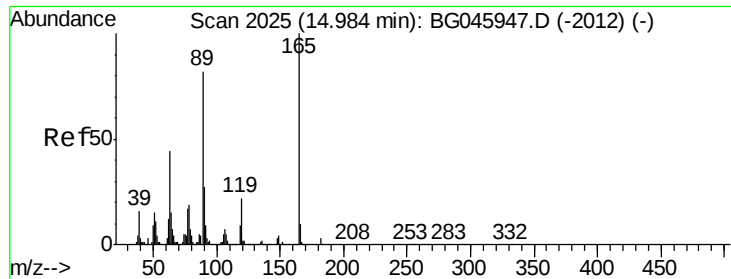
mohammad
7/9/2020 10:55:36 AM



#56
4-Nitrophenol
Concen: 6.992 ng
RT: 14.81 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
139	100		
109	72.5	58.5	98.5
65	108.4	84.7	124.7





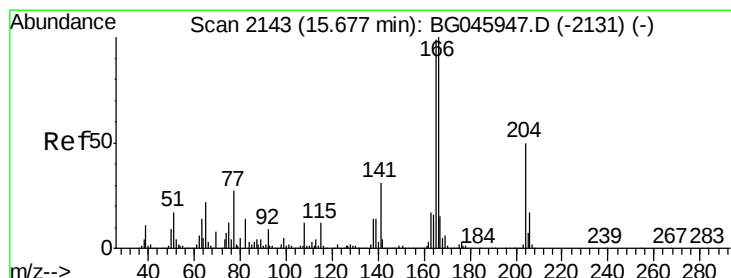
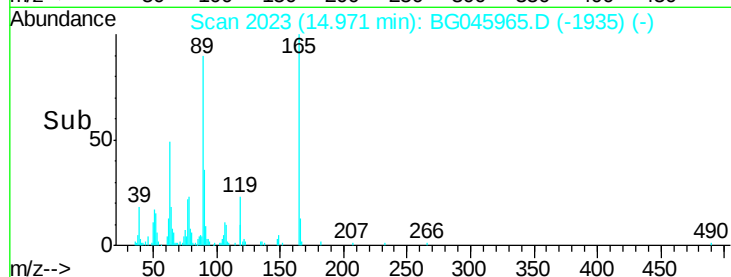
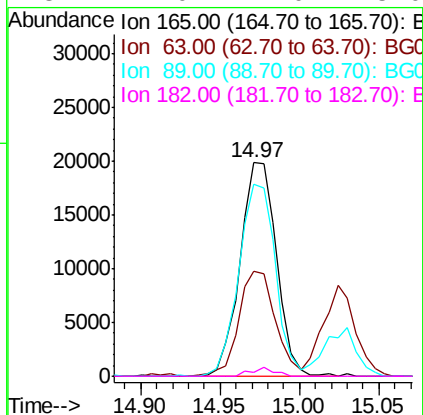
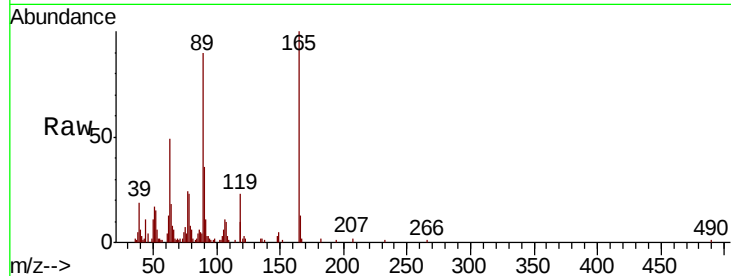
#57
2,4-Dinitrotoluene
Concen: 7.656 ng
RT: 14.97 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion:	165	Resp:	31610
Ion Ratio	Lower	Upper	
165	100		
63	49.0	35.4	53.0
89	90.0	65.4	98.2
182	2.0	2.0	3.0

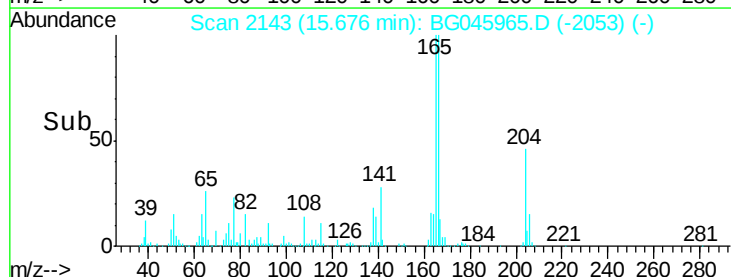
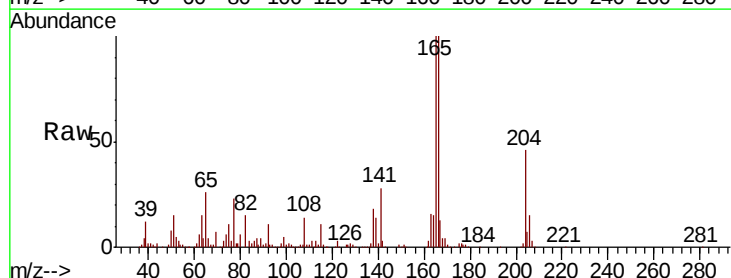
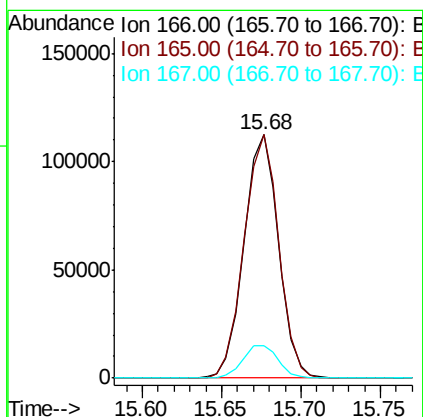
Manual Integrations
APPROVED

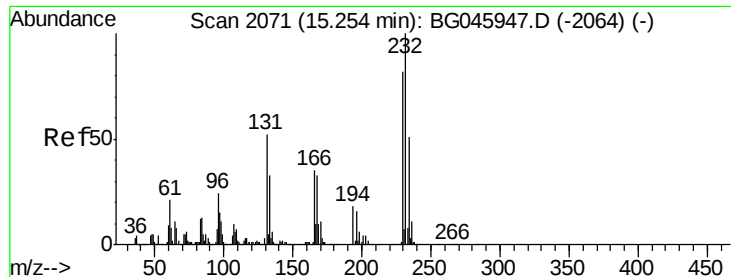
mohammad
7/9/2020 10:55:36 AM



#58
Fluorene
Concen: 8.143 ng
RT: 15.68 min Scan# 2143
Delta R.T. -0.00 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion:	166	Resp:	169712
Ion Ratio	Lower	Upper	
166	100		
165	100.1	78.9	118.3
167	13.4	12.1	18.1





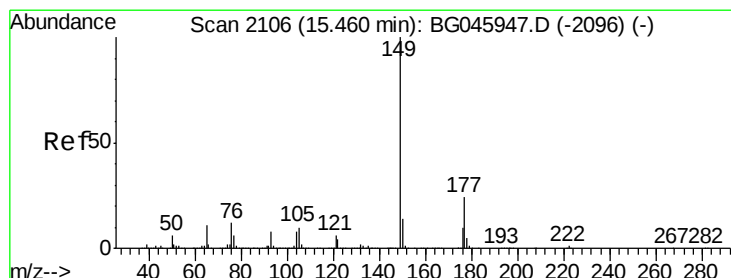
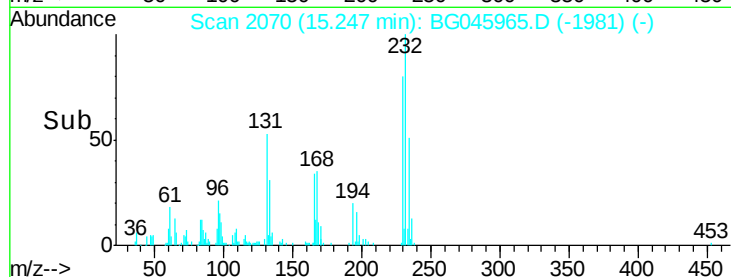
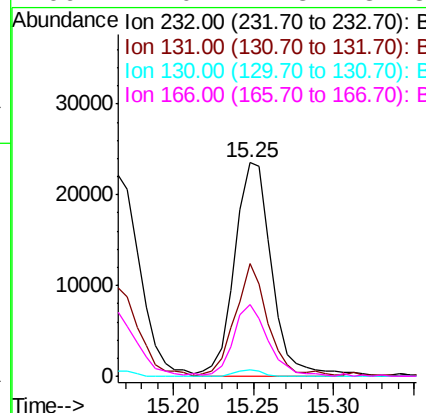
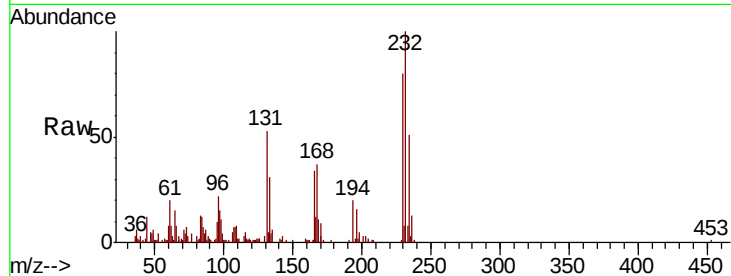
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 7.937 ng
 RT: 15.25 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Resp	Lower	Upper
232	100	37903		
131	40.7		35.8	53.6
130	2.4		2.5	3.7#
166	27.0		21.8	32.8

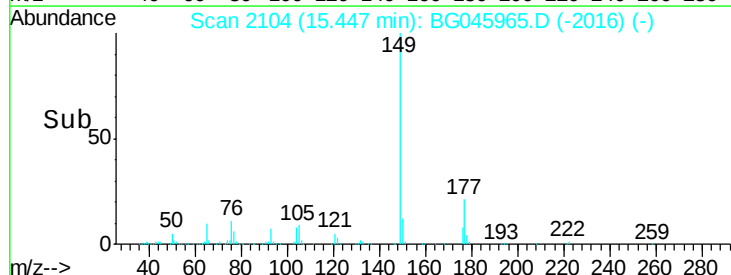
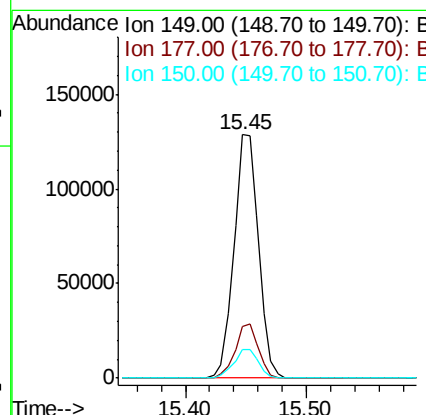
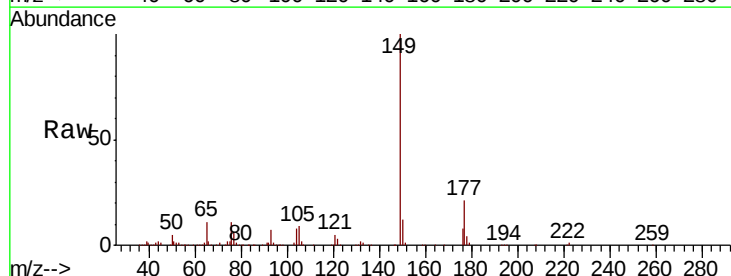
Manual Integrations
 APPROVED

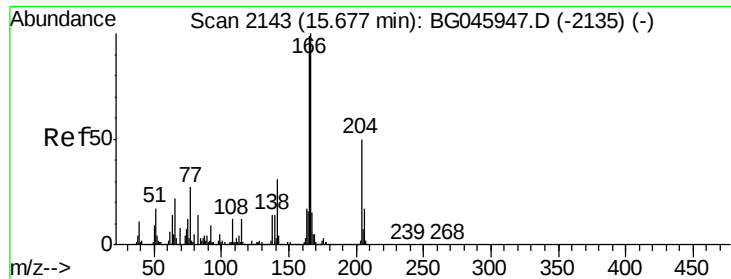
mohammad
 7/9/2020 10:55:36 AM



#60
 Diethylphthalate
 Concen: 8.007 ng
 RT: 15.45 min Scan# 2104
 Delta R.T. -0.01 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	180835		
177	21.3		19.0	28.4
150	11.8		11.0	16.4





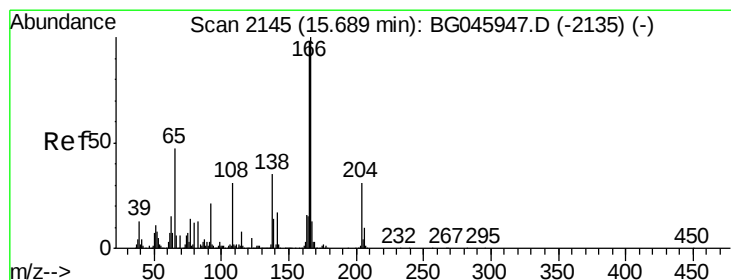
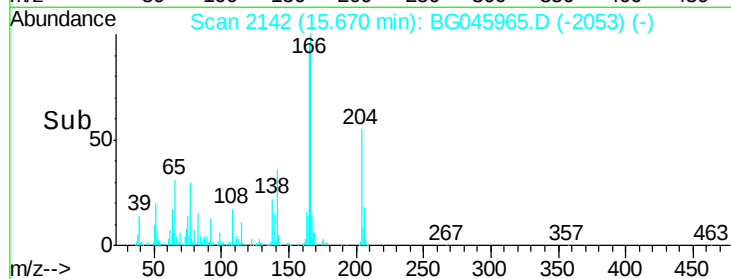
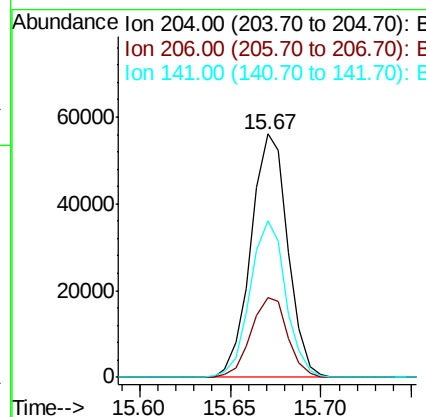
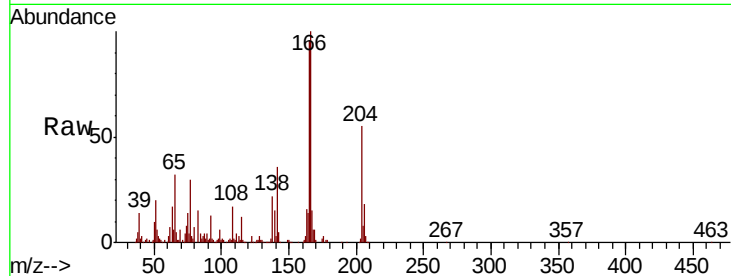
#61
4-Chlorophenyl-phenylether
Concen: 7.661 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.6	27.1	40.7
141	64.2	49.8	74.8

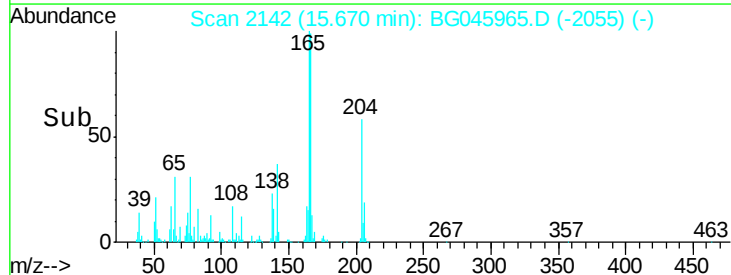
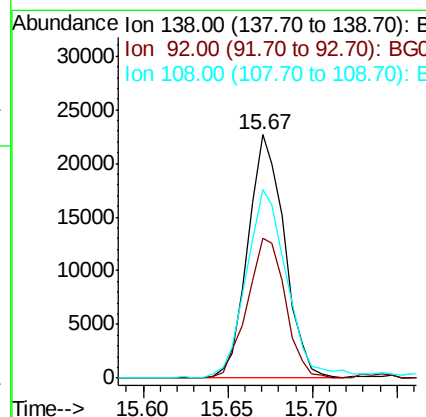
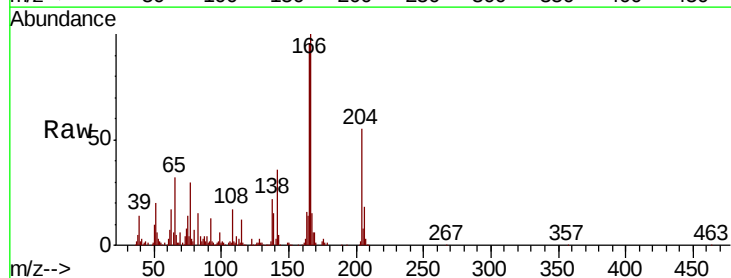
Manual Integrations
APPROVED

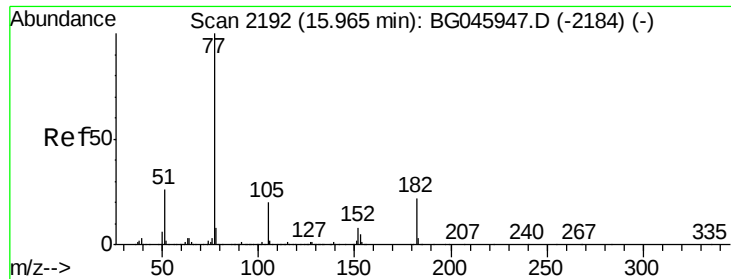
mohammad
7/9/2020 10:55:36 AM



#62
4-Nitroaniline
Concen: 7.678 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.02 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
138	100		
92	57.5	40.3	80.3
108	77.3	68.0	108.0





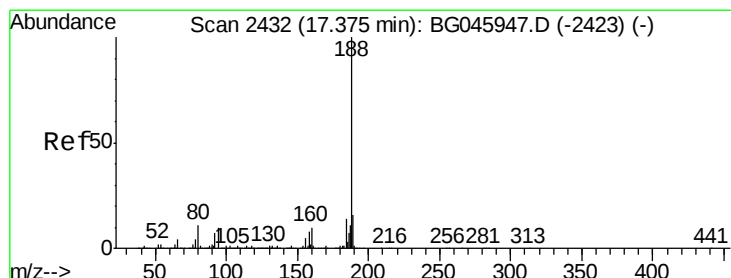
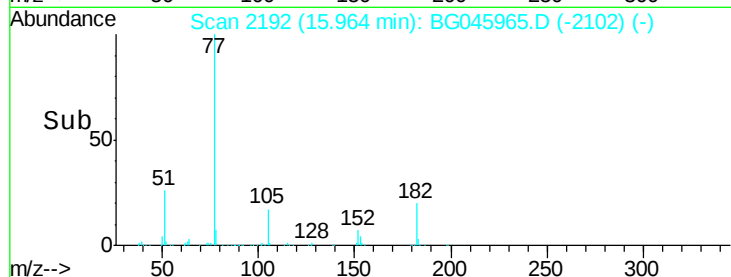
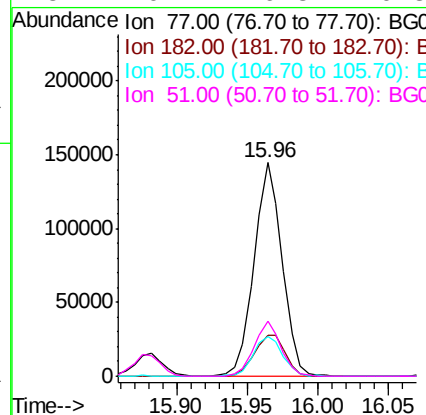
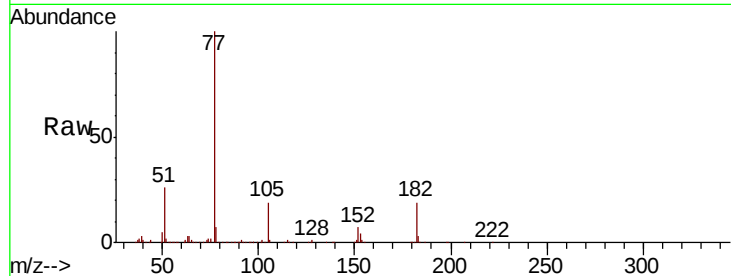
#63
Azobenzene
Concen: 8.340 ng
RT: 15.96 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		202159		
182	19.4	2.4	42.4		
105	18.9	0.3	40.3		
51	26.1	6.3	46.3		

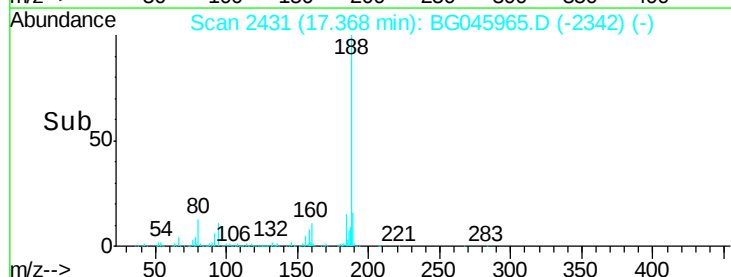
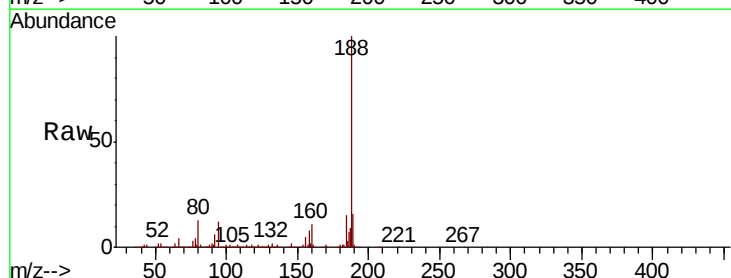
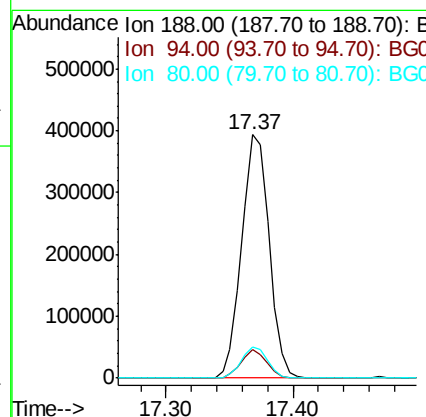
Manual Integrations
APPROVED

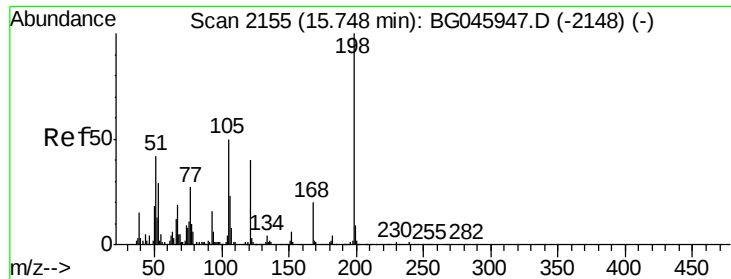
mohammad
7/9/2020 10:55:36 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		590470		
94	11.5	8.2	12.4		
80	12.7	9.0	13.6		





#65

4,6-Dinitro-2-methylphenol

Concen: 6.151 ng

RT: 15.74 min Scan# 2154

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:198 Resp: 10638

Ion Ratio Lower Upper

198 100

51 54.5 24.5 64.5

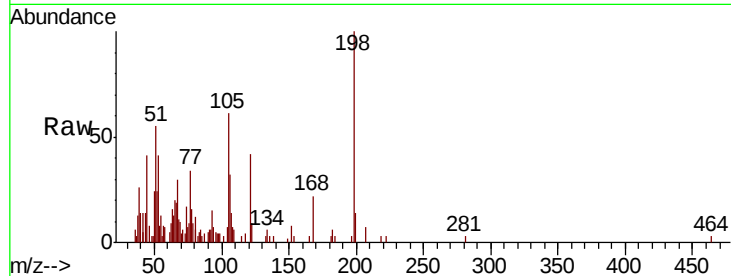
105 60.6 30.9 70.9

Manual Integrations

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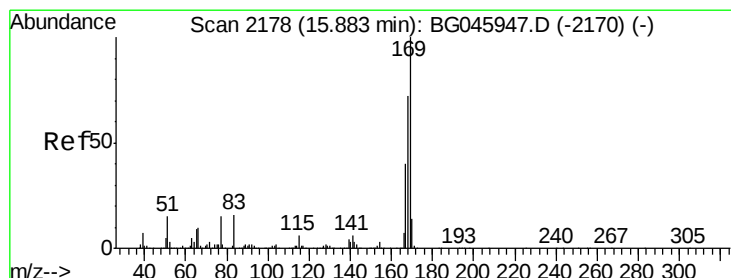
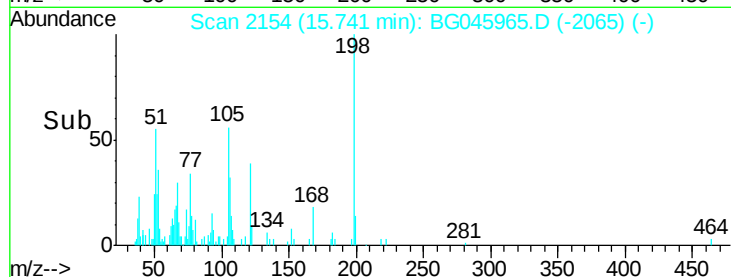
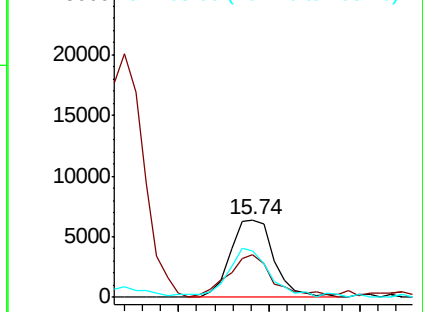
7/9/2020 10:55:36 AM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 8.044 ng

RT: 15.88 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

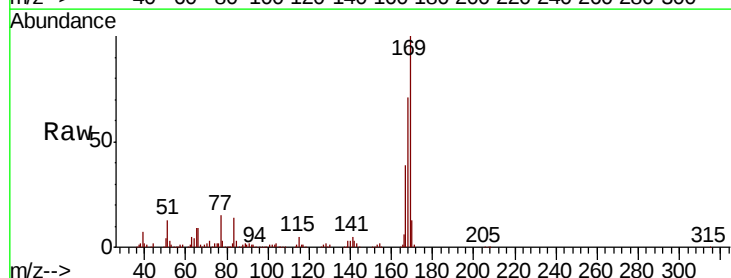
Tgt Ion:169 Resp: 147190

Ion Ratio Lower Upper

169 100

168 70.6 57.3 85.9

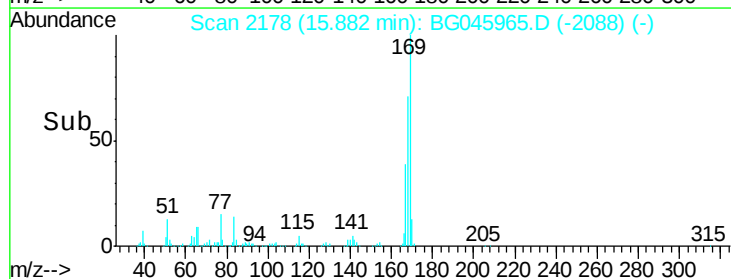
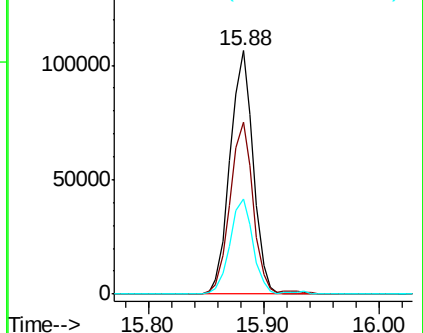
167 38.8 32.1 48.1

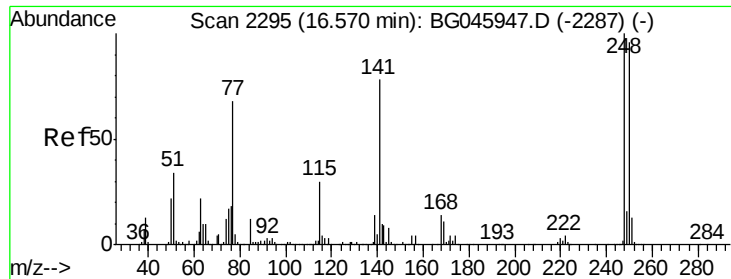


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





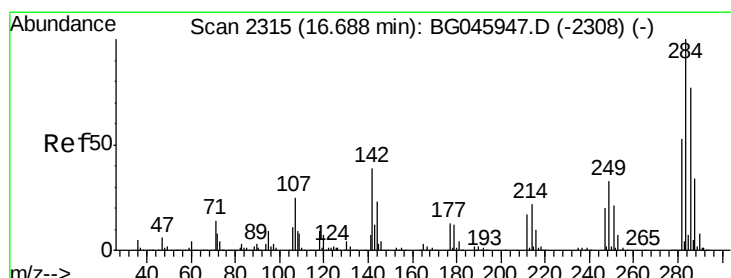
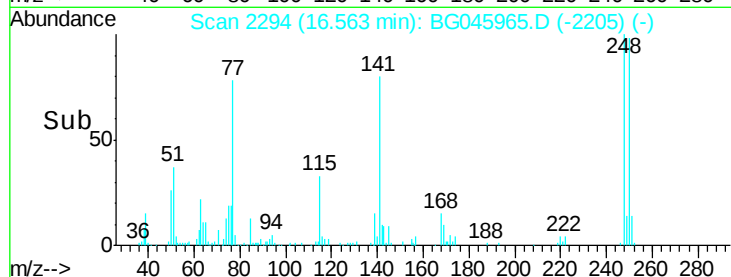
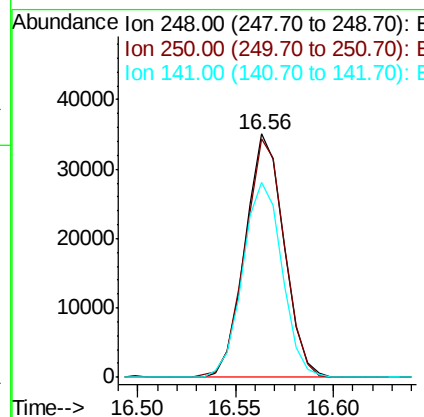
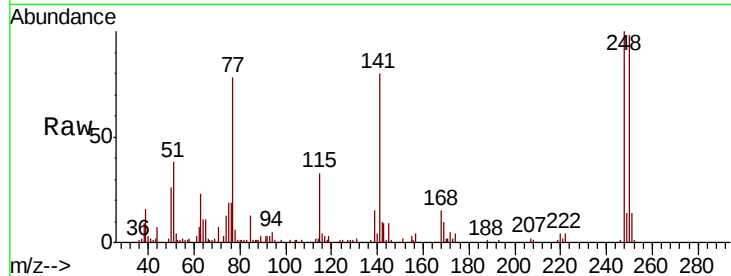
#67
4-Bromophenyl-phenylether
Concen: 7.282 ng
RT: 16.56 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.2	76.6	114.8
141	80.0	62.7	94.1

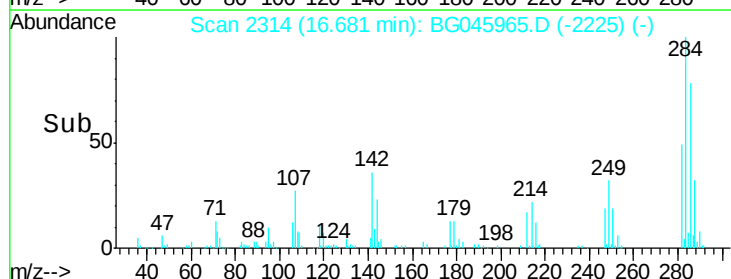
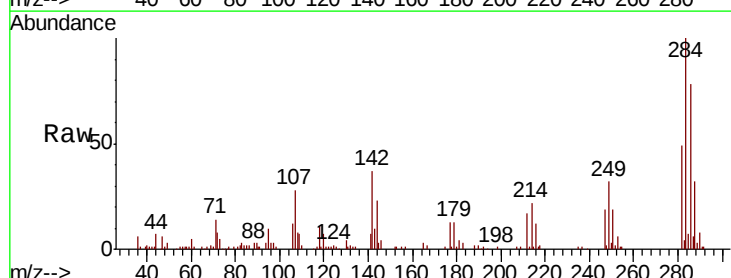
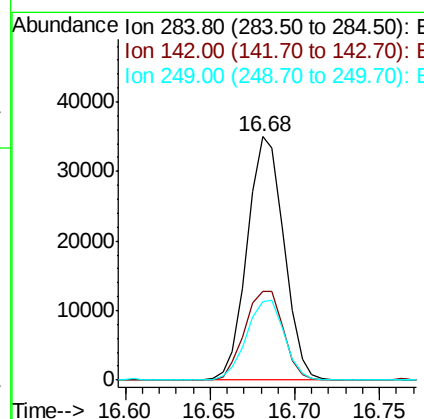
Manual Integrations
APPROVED

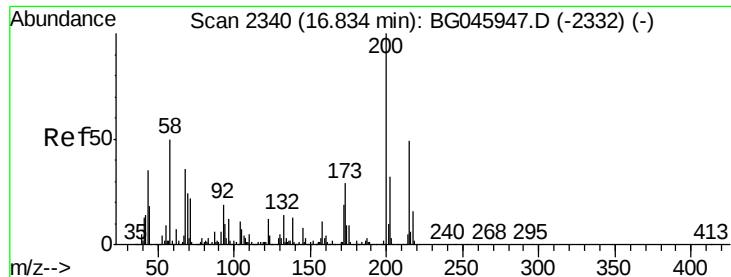
mohammad
7/9/2020 10:55:36 AM



#68
Hexachlorobenzene
Concen: 7.997 ng
RT: 16.68 min Scan# 2314
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.5	31.3	46.9
249	32.3	26.8	40.2





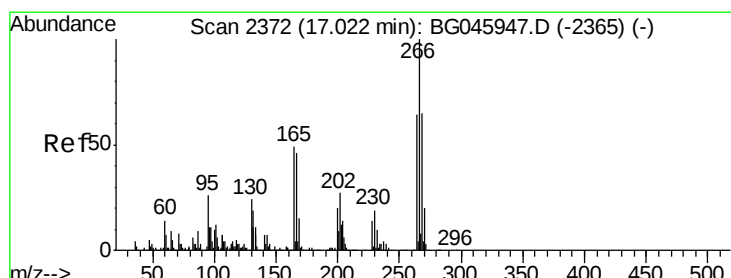
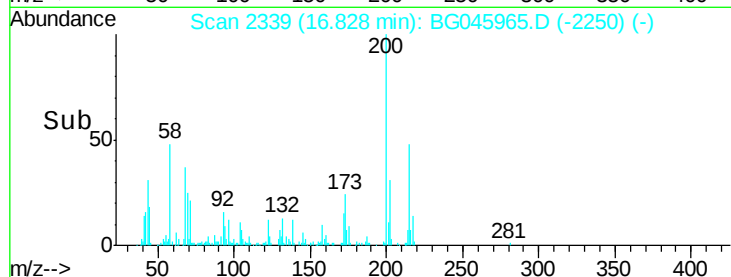
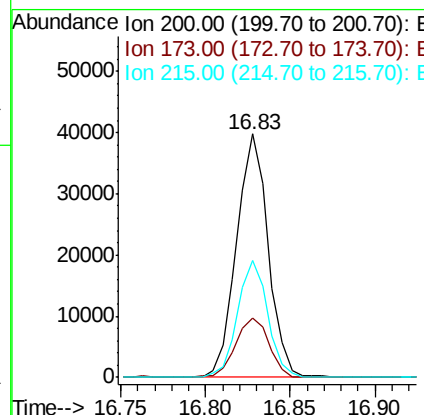
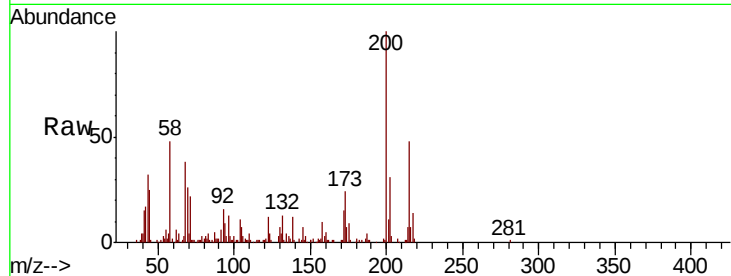
#69
Atrazine
Concen: 9.540 ng
RT: 16.83 min Scan# 2339
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
200	100		
173	24.5	9.1	49.1
215	48.0	28.8	68.8

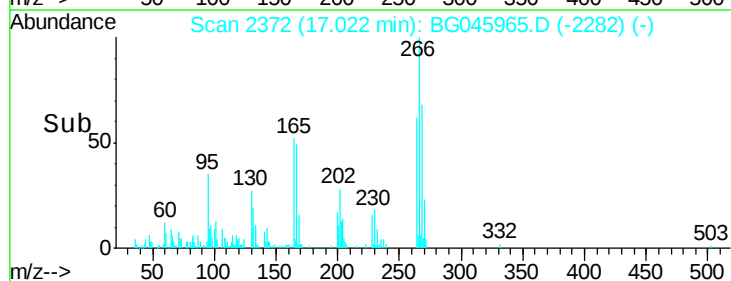
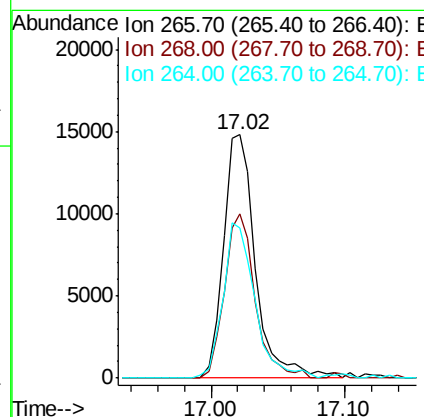
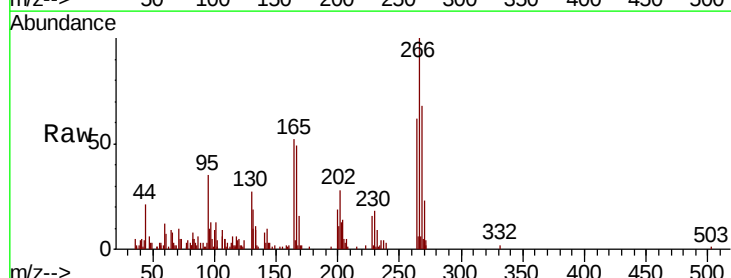
Manual Integrations
APPROVED

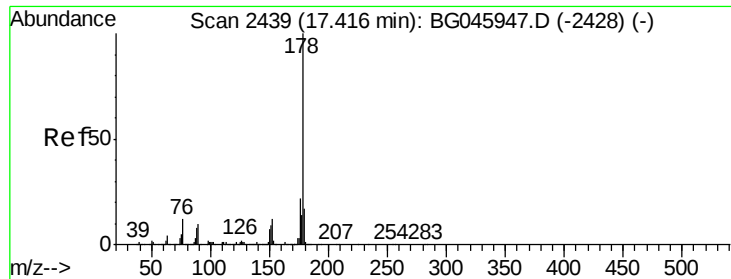
mohammad
7/9/2020 10:55:36 AM



#70
Pentachlorophenol
Concen: 6.761 ng
RT: 17.02 min Scan# 2372
Delta R.T. -0.00 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
266	100		
268	67.7	51.8	77.8
264	61.9	51.4	77.0





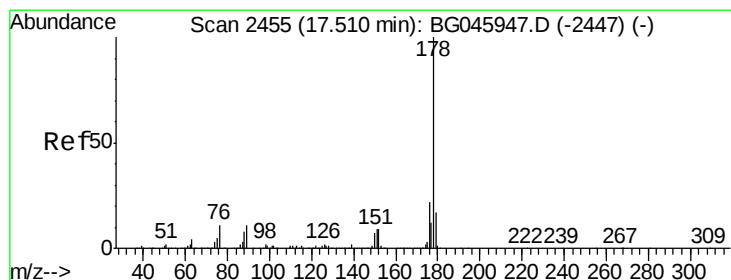
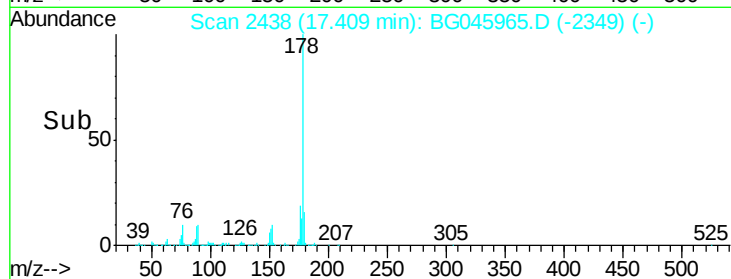
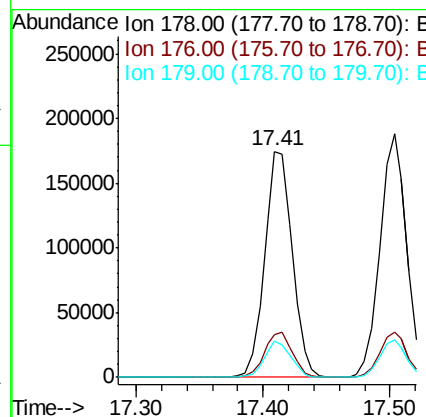
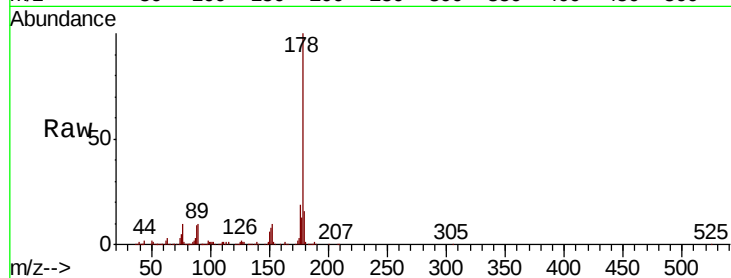
#71
Phenanthrene
Concen: 8.470 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	17.4	26.2
179	16.1	13.4	20.2

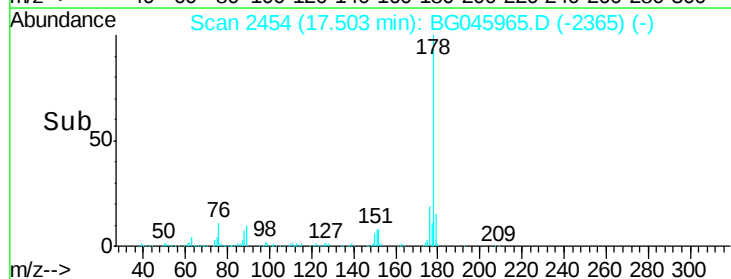
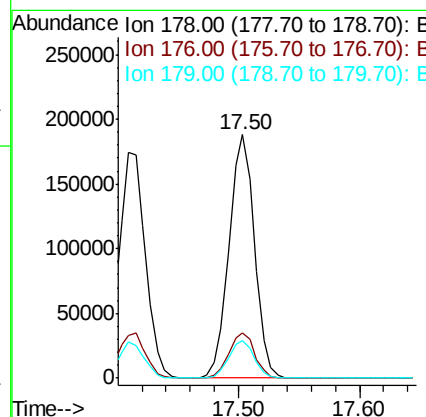
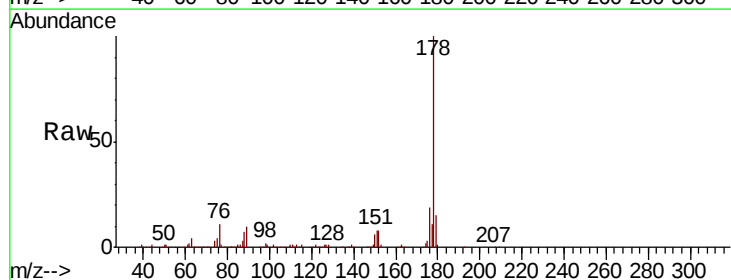
Manual Integrations
APPROVED

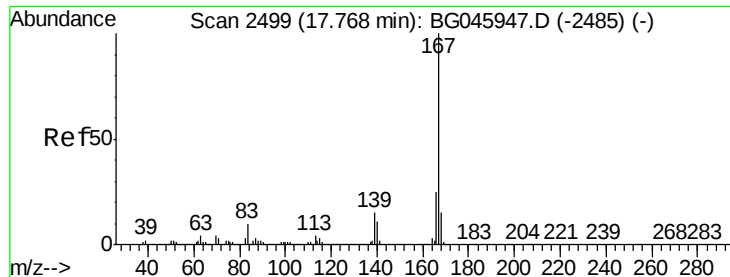
mohammad
7/9/2020 10:55:36 AM



#72
Anthracene
Concen: 8.672 ng
RT: 17.50 min Scan# 2454
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	17.2	25.8
179	15.2	14.0	21.0





#73

Carbazole

Concen: 8.060 ng

RT: 17.77 min Scan# 2499

Delta R.T. -0.00 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

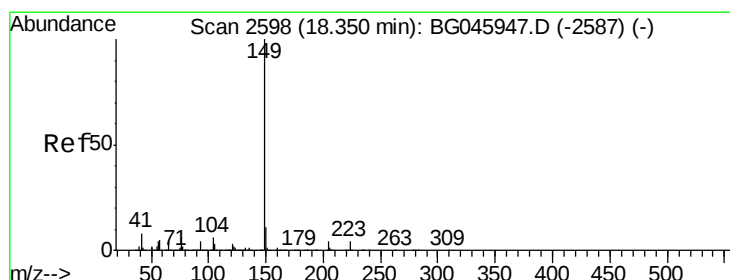
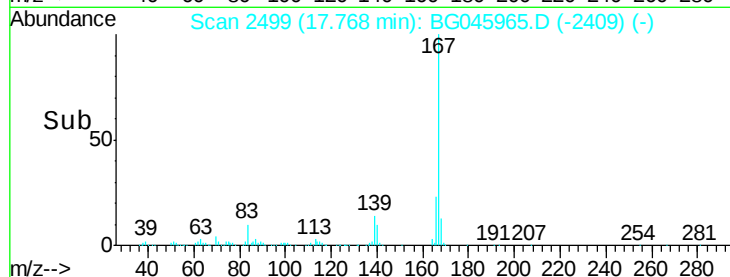
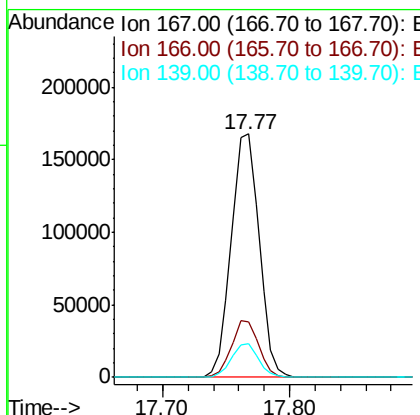
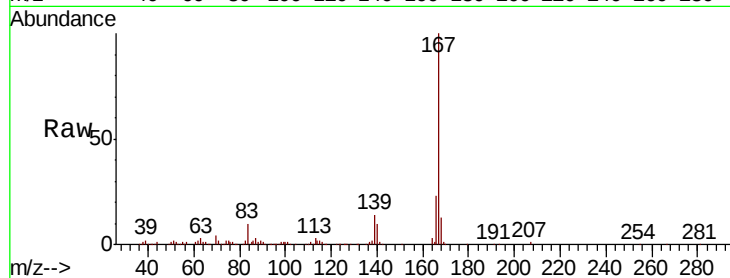
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	167	Resp:	255936
Ion Ratio		Lower	Upper
167	100		
166	22.6	20.4	30.6
139	13.6	11.8	17.8

Manual Integrations
APPROVED

mohammad
7/9/2020 10:55:36 AM



#74

Di-n-butylphthalate

Concen: 8.223 ng

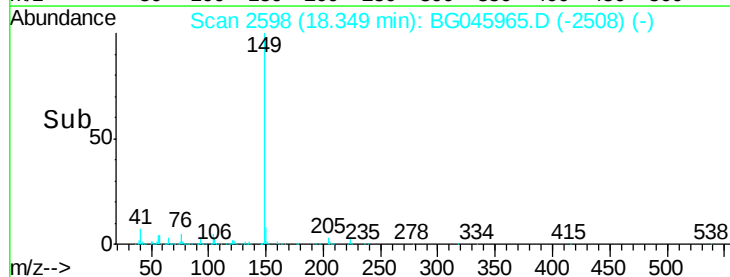
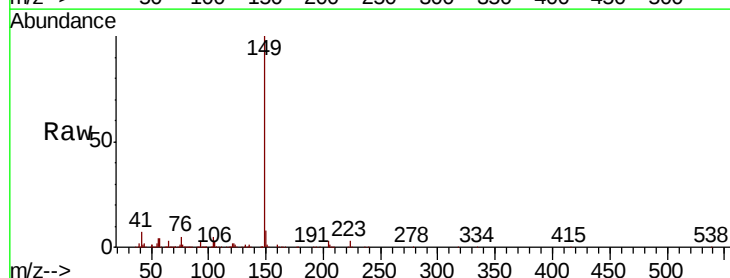
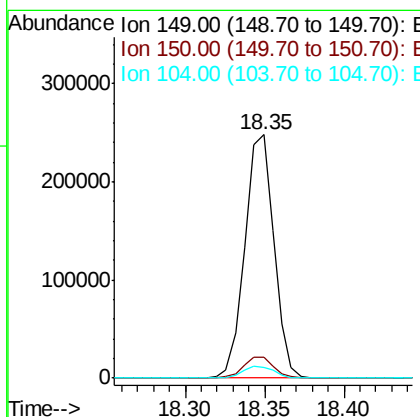
RT: 18.35 min Scan# 2598

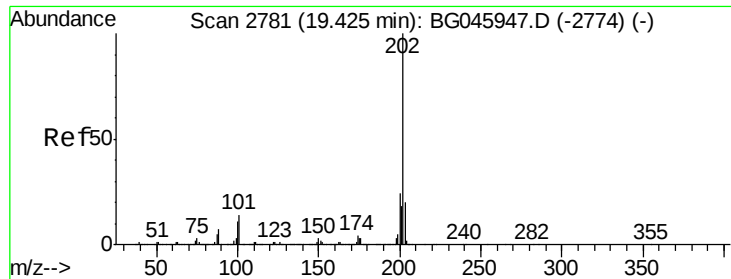
Delta R.T. -0.00 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Tgt Ion:	149	Resp:	315531
Ion Ratio		Lower	Upper
149	100		
150	8.4	9.0	13.4#
104	4.5	5.2	7.8#





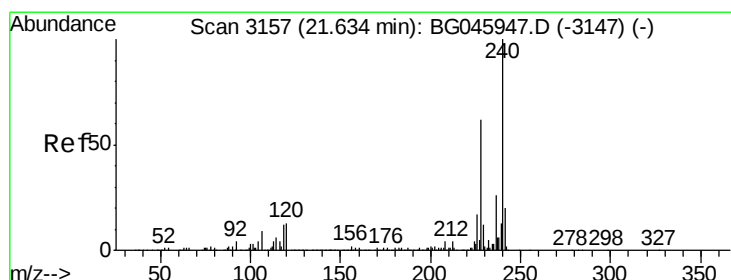
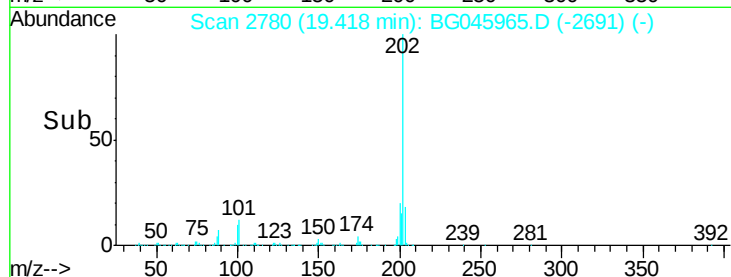
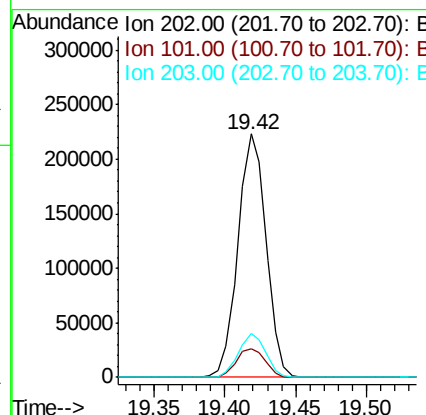
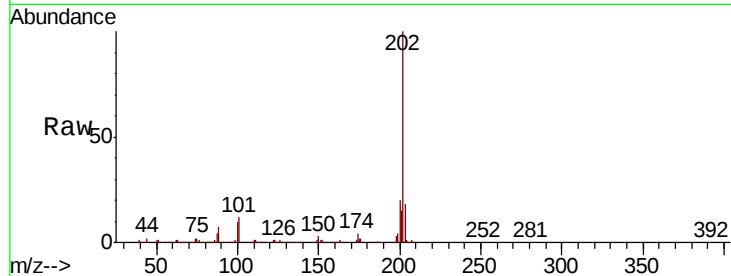
#75
Fluoranthene
Concen: 8.590 ng
RT: 19.42 min Scan# 2780
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	11.9	0.0	33.8	
203	18.1	0.4	40.4	

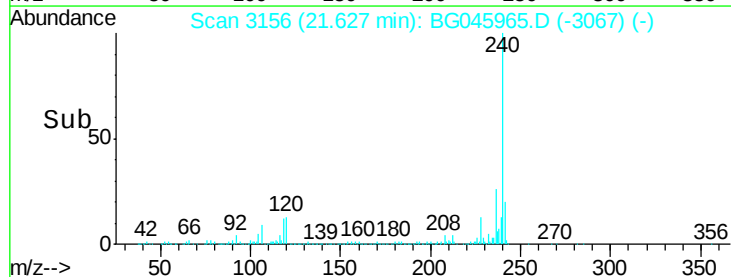
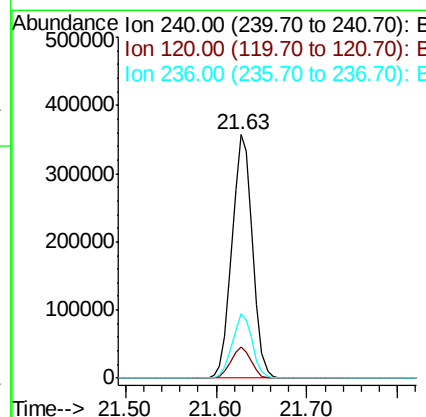
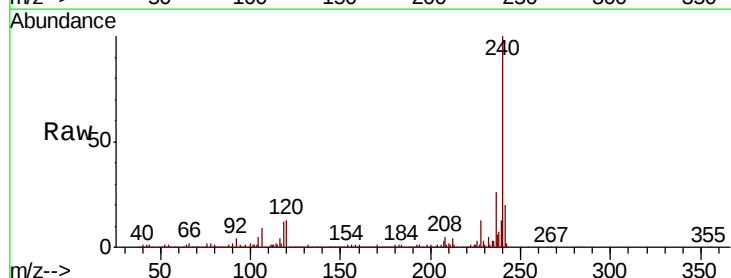
Manual Integrations
APPROVED

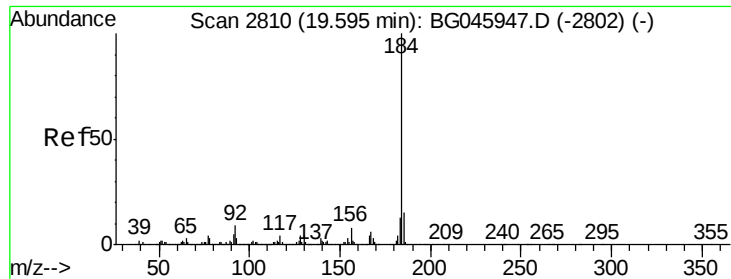
mohammad
7/9/2020 10:55:36 AM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	12.9	10.6	16.0	
236	26.4	20.4	30.6	





#77

Benzidine

Concen: 10.090 ng

RT: 19.59 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

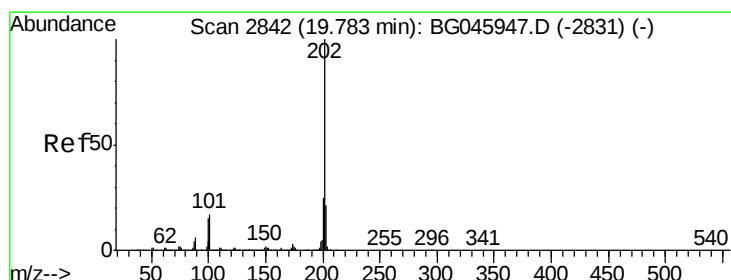
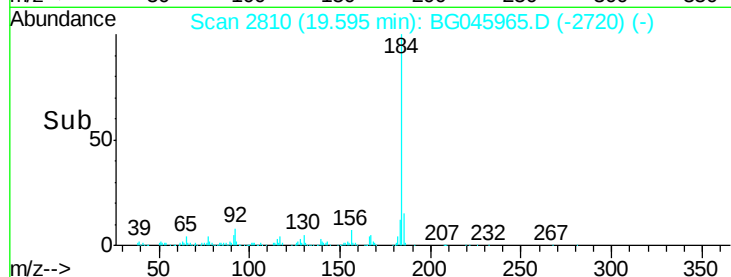
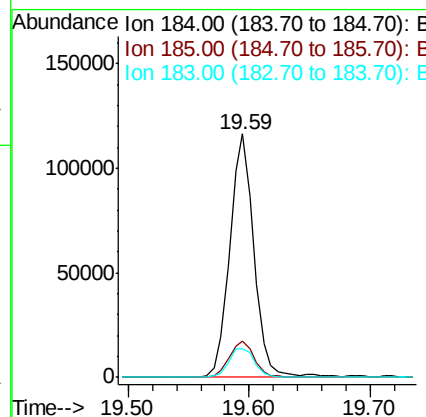
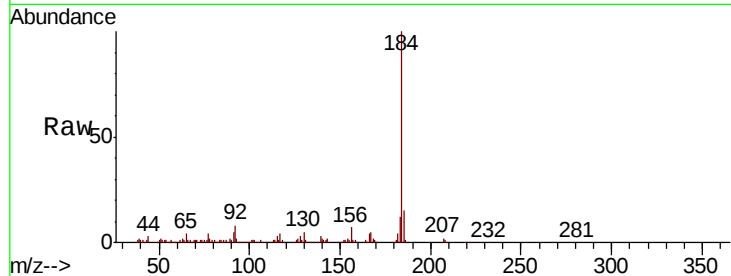
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	184	Resp:	161387
Ion Ratio		Lower	Upper
184	100		
185	14.7	11.6	17.4
183	11.6	10.4	15.6

Manual Integrations
APPROVED

mohammad
7/9/2020 10:55:36 AM



#78

Pyrene

Concen: 8.264 ng

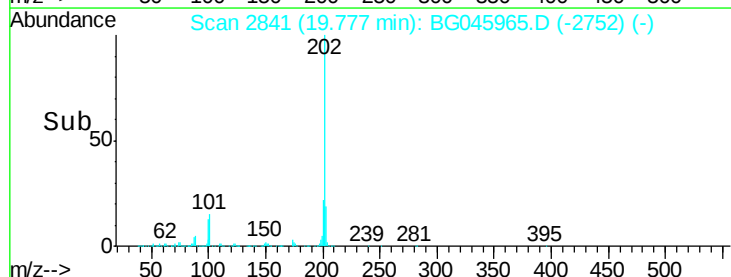
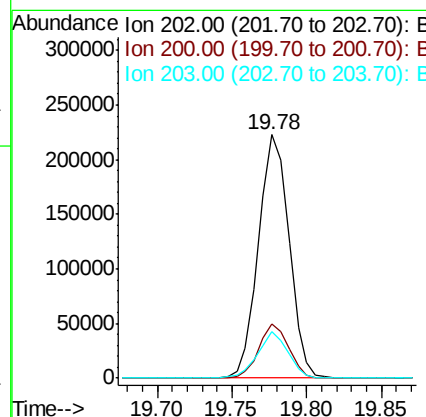
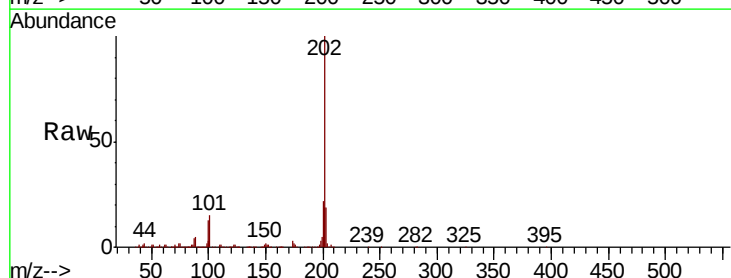
RT: 19.78 min Scan# 2841

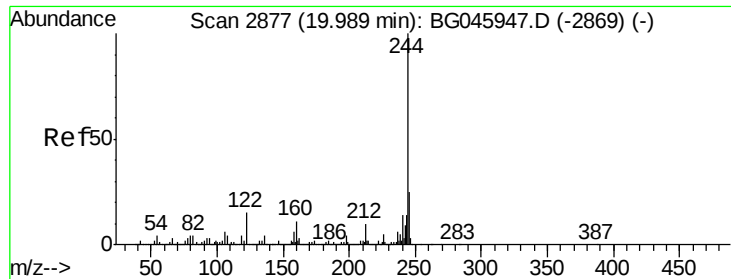
Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Tgt Ion:	202	Resp:	315563
Ion Ratio		Lower	Upper
202	100		
200	22.1	20.1	30.1
203	18.9	16.5	24.7





#79

Terphenyl-d14

Concen: 116.607 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:244 Resp: 2930888

Ion Ratio Lower Upper

244 100

212 11.1 8.3 12.5

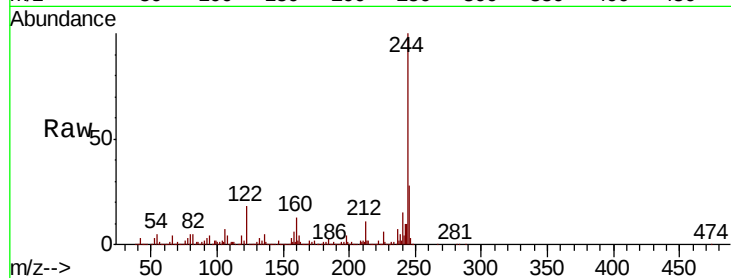
122 18.3 12.1 18.1#

Manual Integrations

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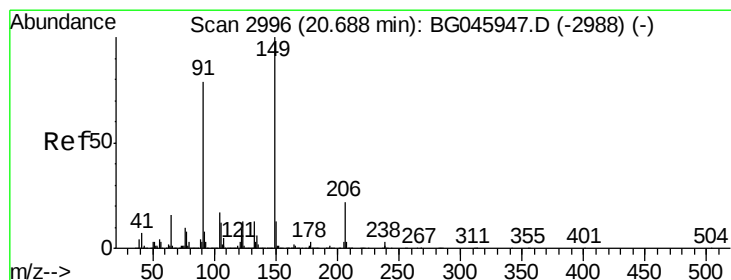
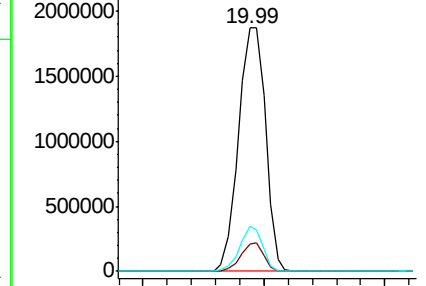
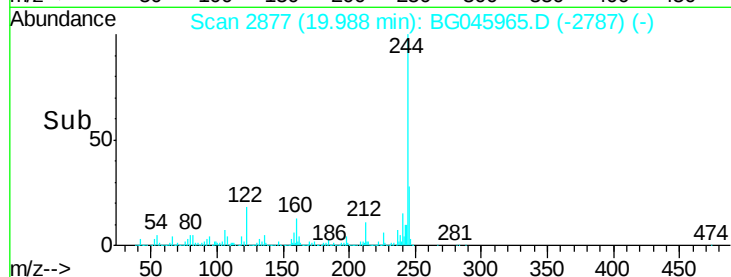
7/9/2020 10:55:36 AM



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



#80

Butylbenzylphthalate

Concen: 7.242 ng

RT: 20.68 min Scan# 2995

Delta R.T. -0.01 min

Lab File: BG045965.D

Acq: 7 Jul 2020 18:40

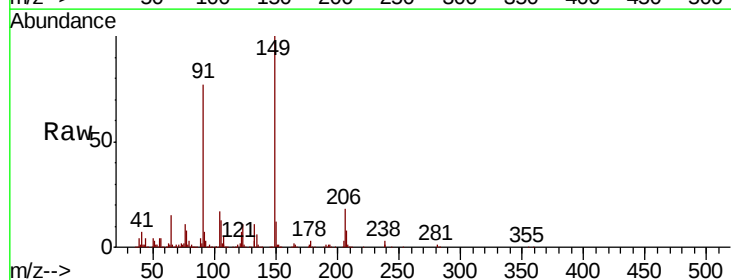
Tgt Ion:149 Resp: 130674

Ion Ratio Lower Upper

149 100

91 77.3 63.1 94.7

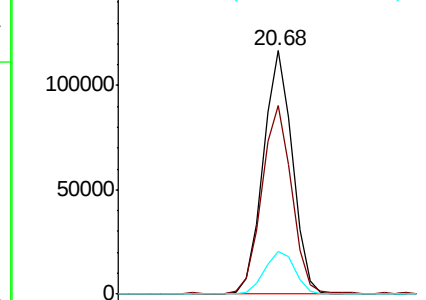
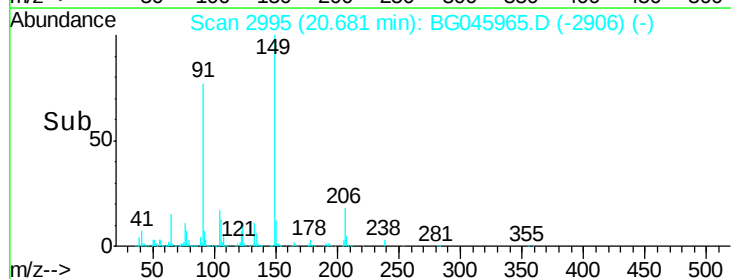
206 17.8 17.4 26.0

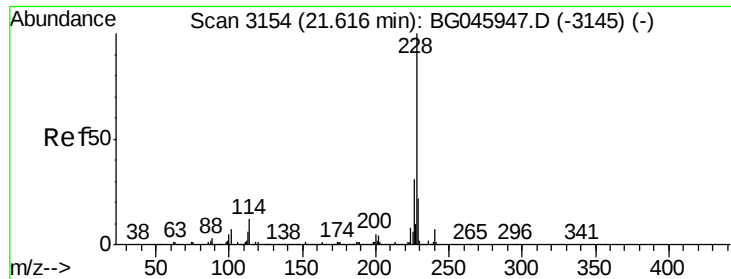


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





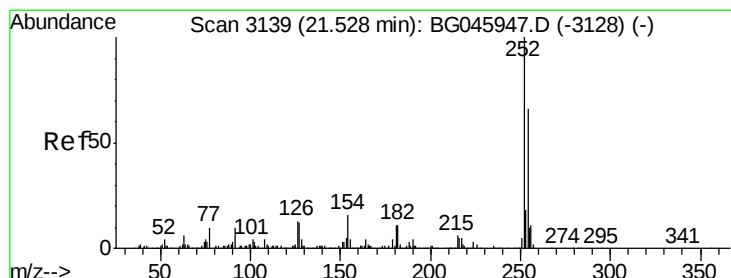
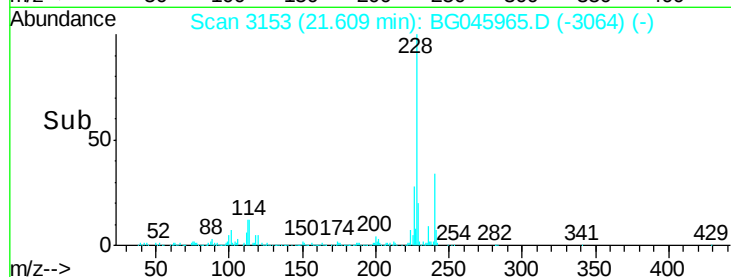
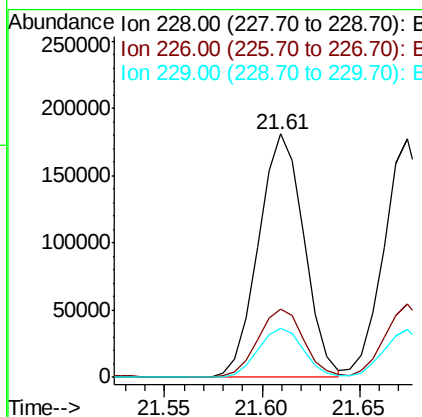
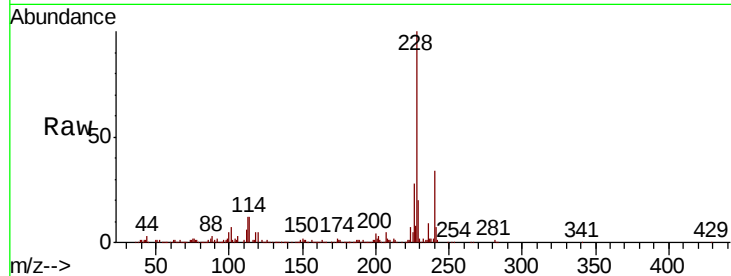
#81
Benzo(a)anthracene
Concen: 7.942 ng
RT: 21.61 min Scan# 3153
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	24.8	37.2
229	20.4	17.8	26.8

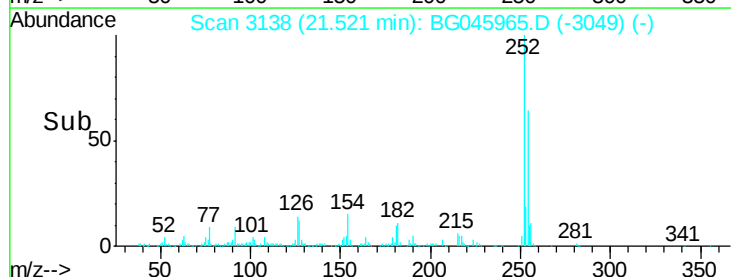
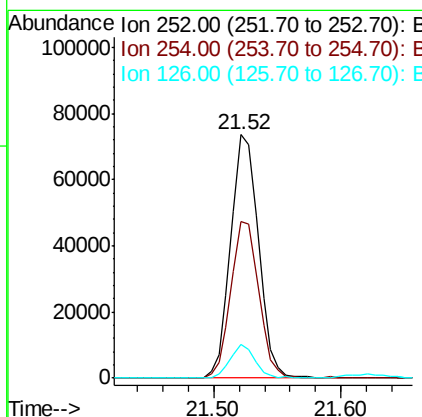
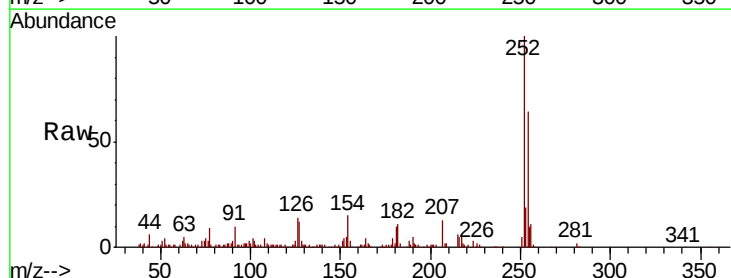
Manual Integrations
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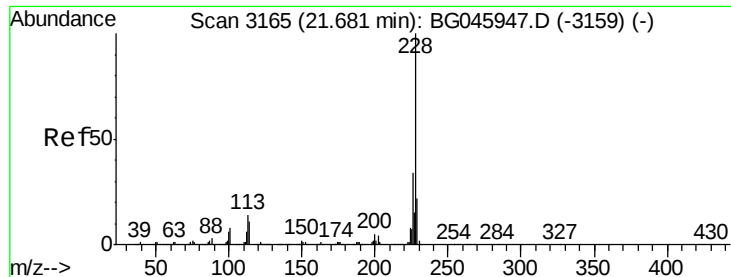
mohammad
7/9/2020 10:55:36 AM



#82
3,3'-Dichlorobenzidine
Concen: 8.242 ng
RT: 21.52 min Scan# 3138
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.1	52.9	79.3
126	13.9	10.4	15.6





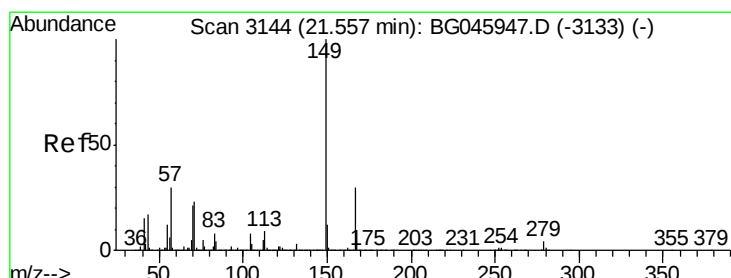
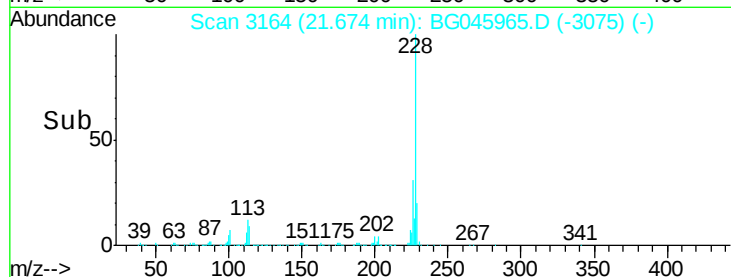
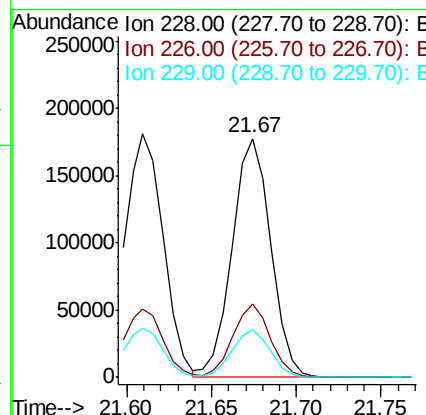
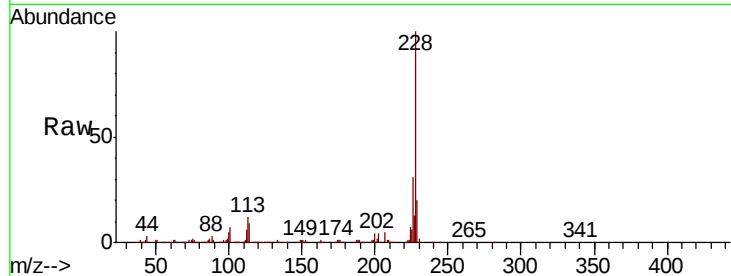
#83
Chrysene
Concen: 8.011 ng
RT: 21.67 min Scan# 3164
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	26.7	40.1
229	20.2	17.3	25.9

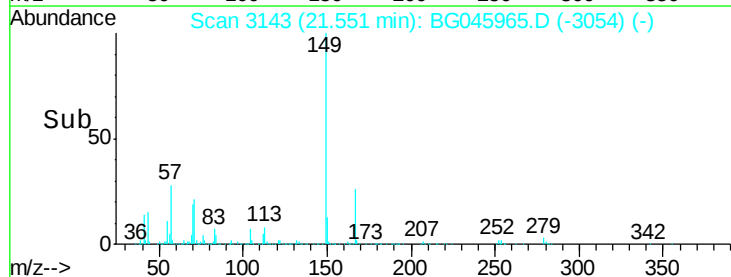
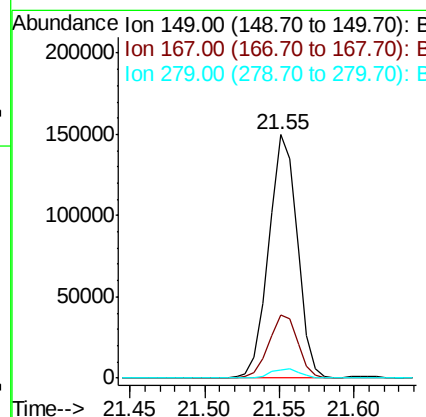
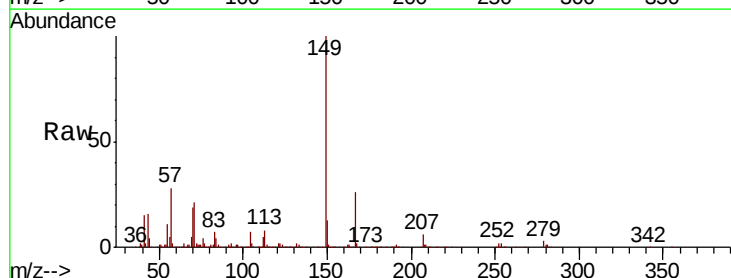
Manual Integrations
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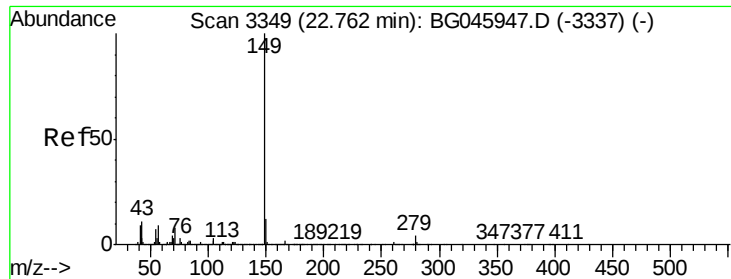
mohammad
7/9/2020 10:55:36 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 7.576 ng
RT: 21.55 min Scan# 3143
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.9	23.8	35.8
279	3.4	3.5	5.3#





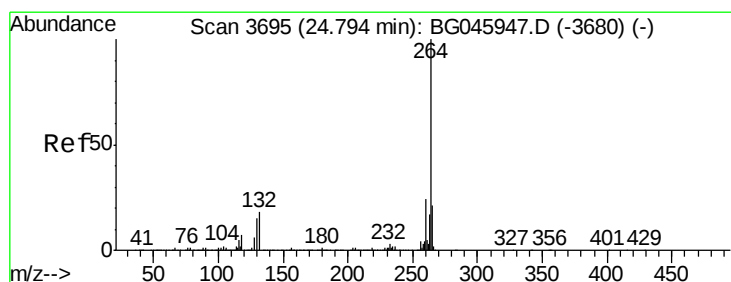
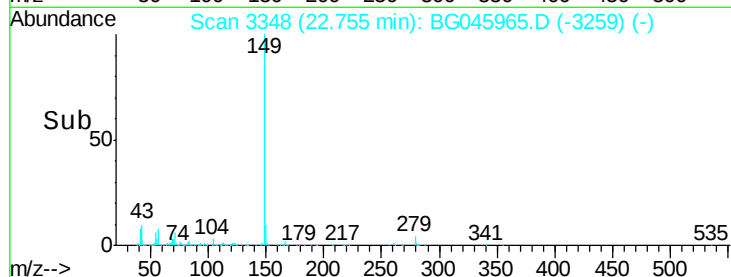
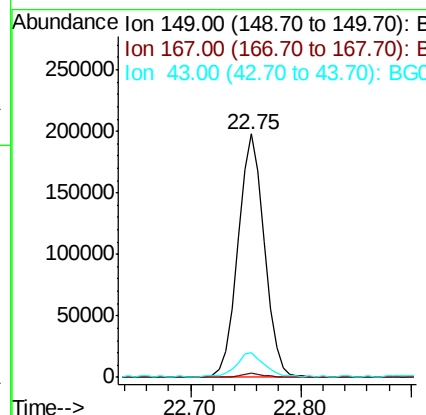
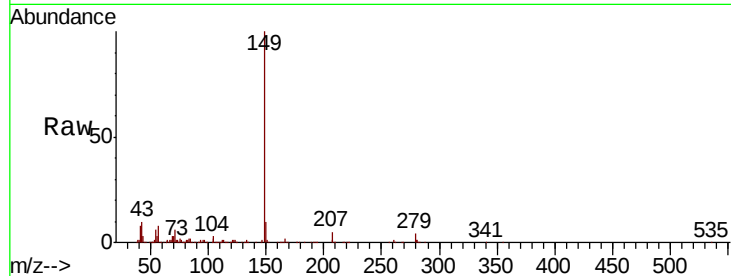
#85
Di-n-octyl phthalate
Concen: 7.285 ng
RT: 22.75 min Scan# 3348
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.4	2.0
43	10.4	8.6	12.8

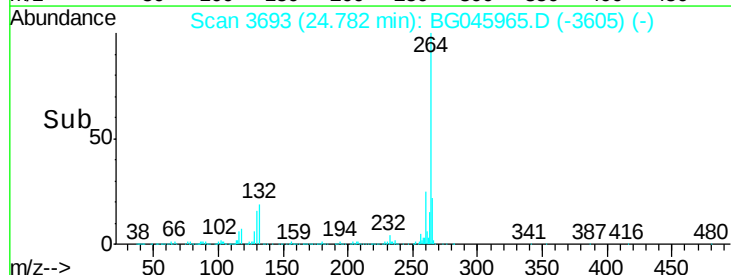
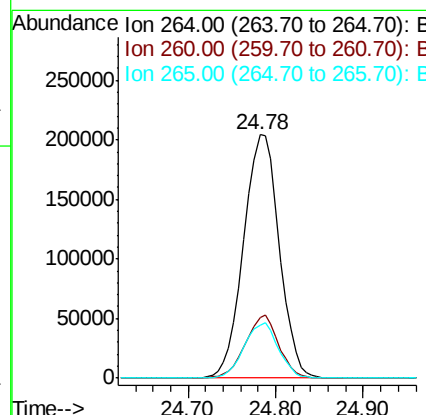
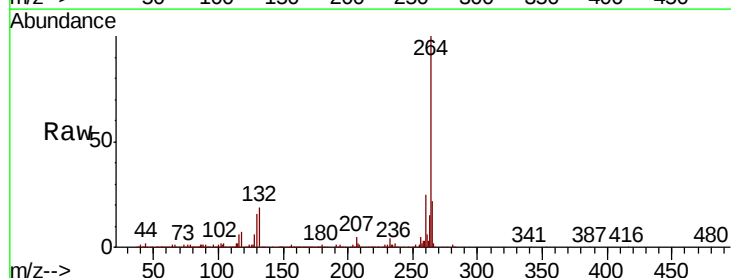
Manual Integrations
APPROVED

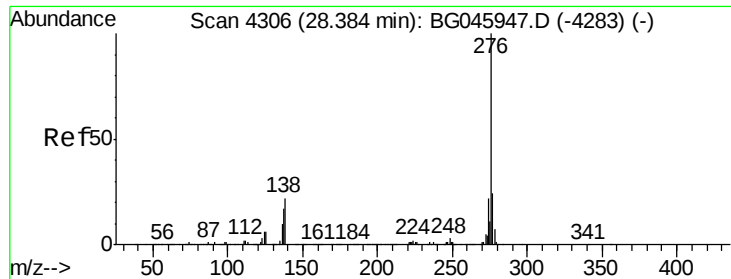
mohammad
7/9/2020 10:55:36 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.78 min Scan# 3693
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.0	28.6
265	21.8	16.9	25.3





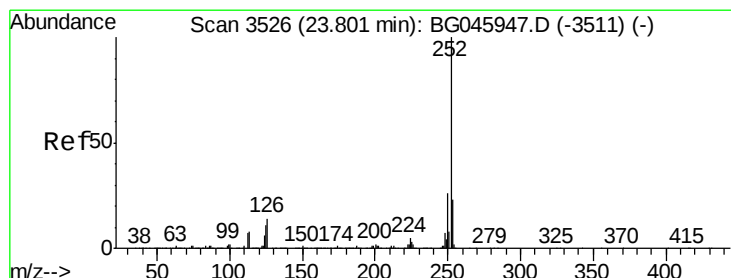
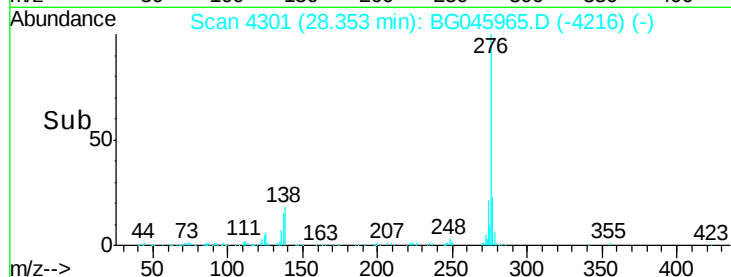
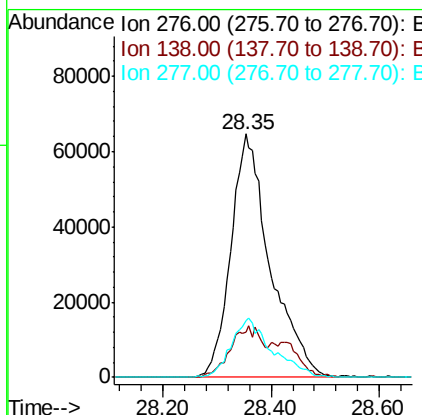
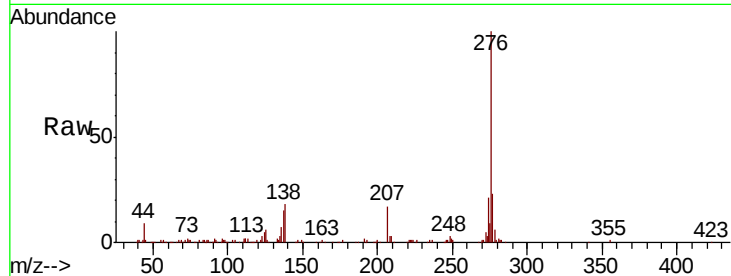
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.925 ng
 RT: 28.35 min Scan# 4301
 Delta R.T. -0.03 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.2	16.4	24.6
277	25.1	20.6	31.0

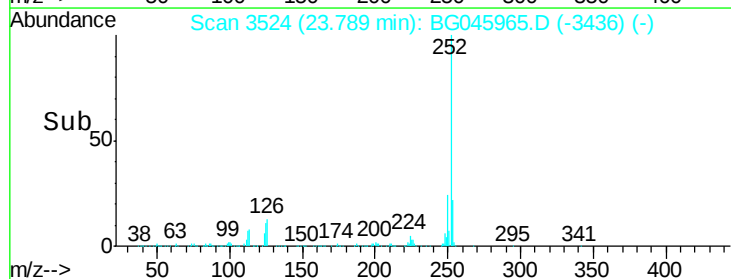
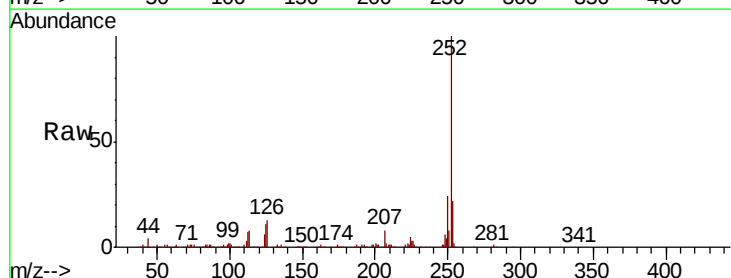
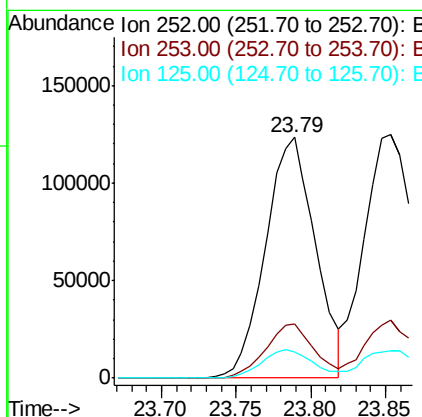
Manual Integrations
 APPROVED

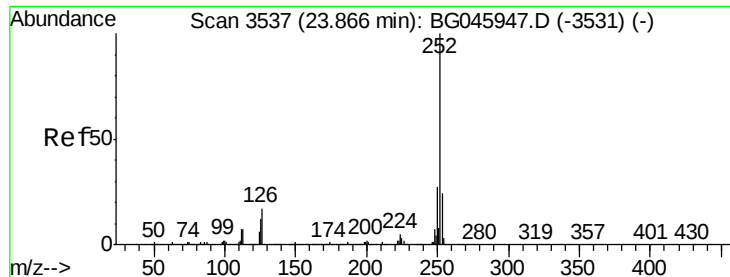
mohammad
 7/9/2020 10:55:36 AM



#88
 Benzo(b)fluoranthene
 Concen: 8.012 ng
 RT: 23.79 min Scan# 3524
 Delta R.T. -0.01 min
 Lab File: BG045965.D
 Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.5	27.7
125	10.6	9.2	13.8





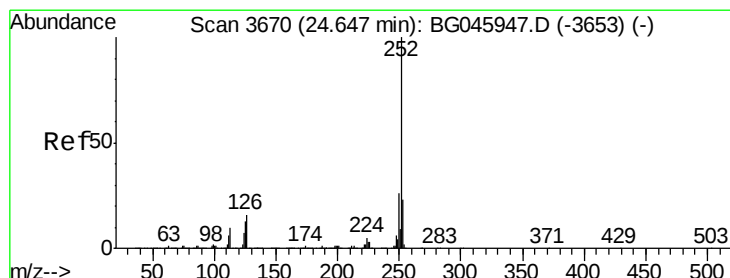
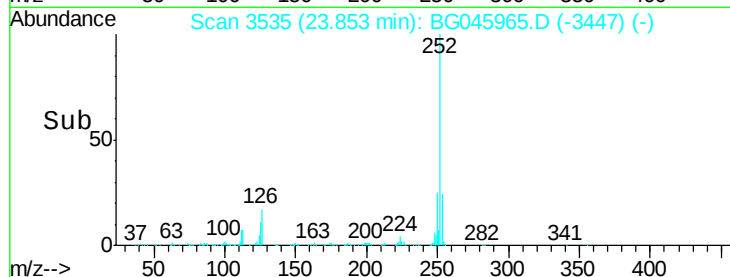
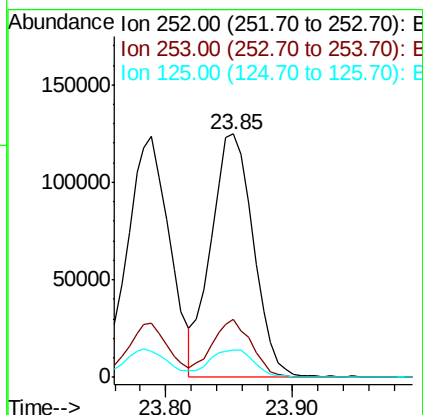
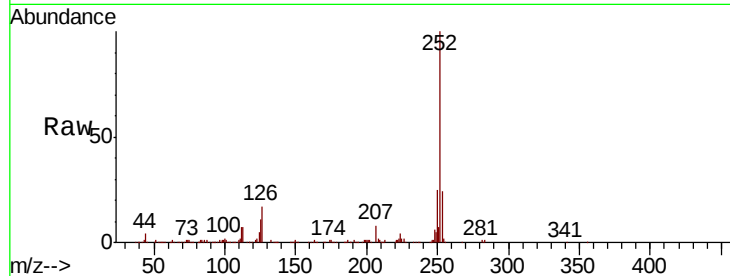
#89
Benzo(k)fluoranthene
Concen: 8.512 ng
RT: 23.85 min Scan# 3535
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.9	28.3
125	11.0	9.6	14.4

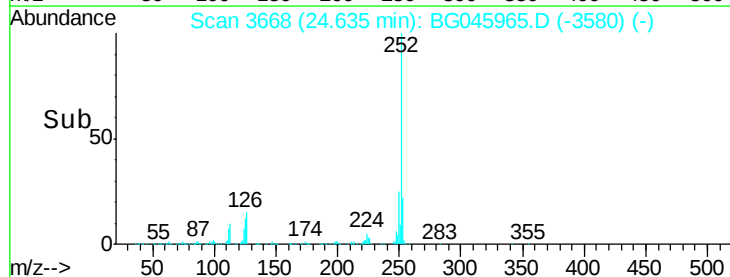
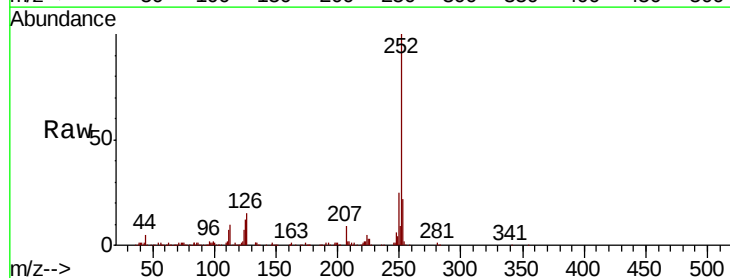
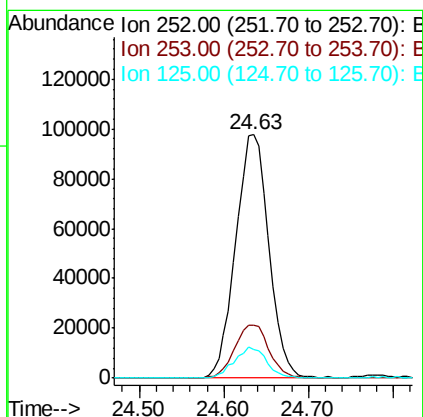
Manual Integrations
APPROVED

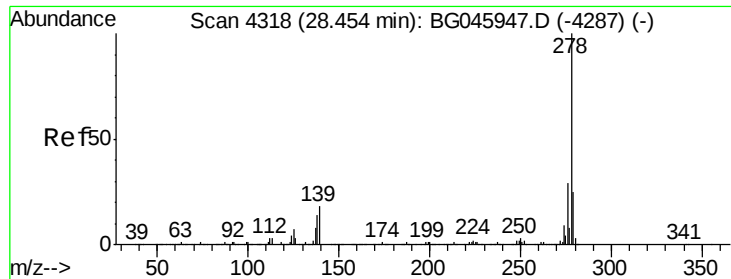
mohammad
7/9/2020 10:55:36 AM



#90
Benzo(a)pyrene
Concen: 7.888 ng
RT: 24.63 min Scan# 3668
Delta R.T. -0.01 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.6	28.0
125	12.0	10.5	15.7





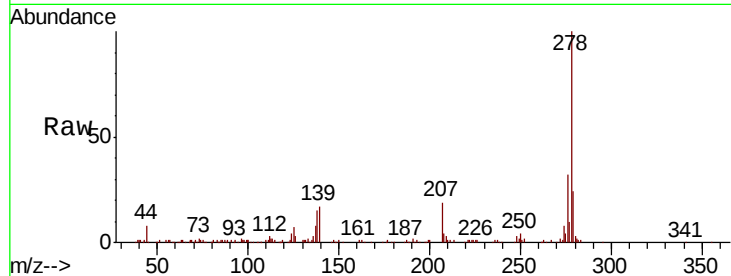
#91
Dibenzo(a,h)anthracene
Concen: 8.090 ng
RT: 28.42 min Scan# 4312
Delta R.T. -0.04 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.6	14.3	21.5
279	23.8	19.8	29.6

Manual Integrations
APPROVED

mohammad
7/9/2020 10:55:36 AM

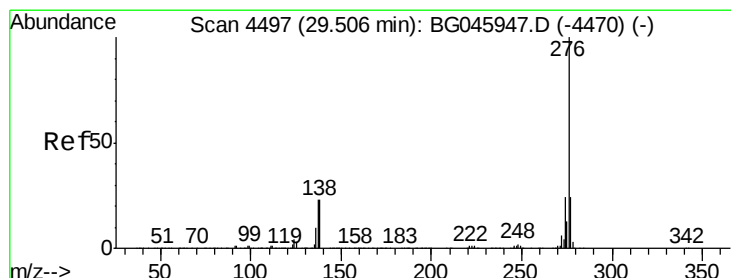
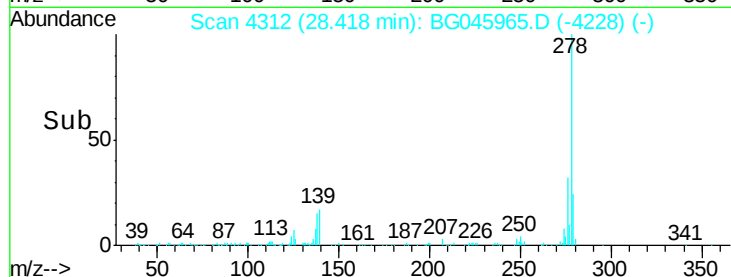
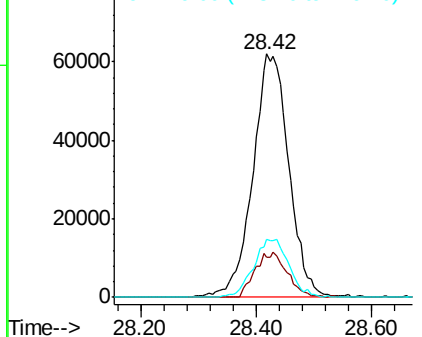


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 8.058 ng
RT: 29.47 min Scan# 4491
Delta R.T. -0.04 min
Lab File: BG045965.D
Acq: 7 Jul 2020 18:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.0
138	22.6	18.6	28.0

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

