

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020718\
 Data File : BM014171.D
 Acq On : 07 Feb 2018 21:19
 Operator : SJ/JU
 Sample : J1161-02
 Misc : LOQ 20 PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Manual Integrations
 APPROVED

Sohil
 2/8/2018 3:50:31 PM

Quant Time: Feb 08 11:09:04 2018
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM020718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 07 17:16:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	79632	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	395066	20.00	ng	0.00
38) Acenaphthene-d10	14.20	164	275769	20.00	ng	0.00
63) Phenanthrene-d10	16.96	188	722487	20.00	ng	0.00
75) Chrysene-d12	21.17	240	835066	20.00	ng	0.00
86) Perylene-d12	23.34	264	715262	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.16	112	620592	135.83	ng	0.00
7) Phenol-d6	6.73	99	874138	135.09	ng	0.00
23) Nitrobenzene-d5	8.70	82	951781	107.61	ng	0.00
41) 2,4,6-Tribromophenol	15.70	330	537228	137.29	ng	0.00
44) 2-Fluorobiphenyl	12.81	172	2357329	106.71	ng	0.00
78) Terphenyl-d14	19.60	244	4379863	102.48	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.15	88	39179	20.87	ng	# 100
3) Pyridine	3.53	79	102677	19.75	ng	# 85
4) n-Nitrosodimethylamine	3.45	42	62077	18.74	ng	# 52
6) Aniline	6.89	93	161261	19.55	ng	95
8) 2-Chlorophenol	7.11	128	98587	18.99	ng	96
9) Benzaldehyde	6.71	77	63982	13.74	ng	90
10) Phenol	6.76	94	130661	20.45	ng	97
11) bis(2-Chloroethyl)ether	6.99	93	96283	19.07	ng	90
12) 1,3-Dichlorobenzene	7.43	146	125221	19.29	ng	# 88
13) 1,4-Dichlorobenzene	7.58	146	129414	19.85	ng	94
14) 1,2-Dichlorobenzene	7.89	146	131613	20.06	ng	# 91
15) Benzyl Alcohol	7.80	79	109313	18.23	ng	# 83
16) 2,2'-oxybis(1-Chloropropan	8.07	45	98959	19.27	ng	83
17) 2-Methylphenol	8.00	107	93305	19.08	ng	# 81
18) Hexachloroethane	8.60	117	52129	18.50	ng	# 83
19) n-Nitroso-di-n-propylamine	8.35	70	106213	19.05	ng	# 92
20) 3+4-Methylphenols	8.33	107	130815	18.48	ng	88
22) Acetophenone	8.37	105	205618	18.10	ng	# 88
24) Nitrobenzene	8.75	77	170779	18.75	ng	93
25) Isophorone	9.26	82	264526	18.05	ng	# 95
26) 2-Nitrophenol	9.45	139	60519	17.62	ng	# 57
27) 2,4-Dimethylphenol	9.52	122	94338	18.02	ng	# 78
28) bis(2-Chloroethoxy)methane	9.75	93	142812	19.01	ng	98
29) 2,4-Dichlorophenol	9.98	162	105043	17.95	ng	95
30) 1,2,4-Trichlorobenzene	10.18	180	141253	18.31	ng	99
31) Naphthalene	10.36	128	395961	18.30	ng	99
32) Benzoic acid	9.66	122	62680	18.30	ng	# 77
33) 4-Chloroaniline	10.50	127	159731	17.76	ng	# 86
34) Hexachlorobutadiene	10.64	225	96377	18.22	ng	99
35) Caprolactam	11.29	113	36823	17.60	ng	94
36) 4-Chloro-3-methylphenol	11.63	107	131343	18.12	ng	# 84
37) 2-Methylnaphthalene	11.99	142	304994	18.72	ng	# 90
39) 1,2,4,5-Tetrachlorobenzene	12.37	216	178001	18.42	ng	# 100
40) Hexachlorocyclopentadiene	12.33	237	79390	19.11	ng	97

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020718\
 Data File : BM014171.D
 Acq On : 07 Feb 2018 21:19
 Operator : SJ/JU
 Sample : J1161-02
 Misc : LOQ 20 PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

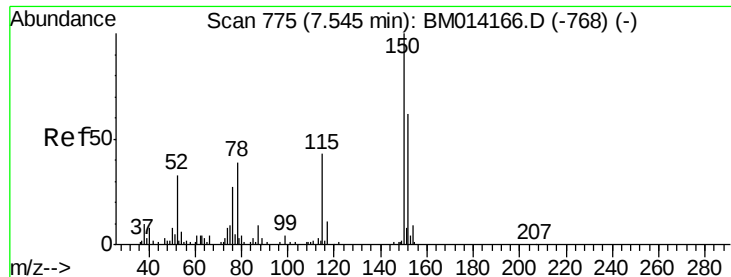
Manual Integrations
 APPROVED

Sohil
 2/8/2018 3:50:31 PM

Quant Time: Feb 08 11:09:04 2018
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM020718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 07 17:16:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.62	196	101553	17.89	ng	94
43) 2,4,5-Trichlorophenol	12.70	196	111639	17.81	ng #	82
45) 1,1'-Biphenyl	13.02	154	455638	19.07	ng	98
46) 2-Chloronaphthalene	13.06	162	342667	18.90	ng #	89
47) 2-Nitroaniline	13.29	65	120452	18.05	ng #	74
48) Acenaphthylene	13.92	152	549448	18.48	ng	99
49) Dimethylphthalate	13.67	163	468411	18.97	ng #	99
50) 2,6-Dinitrotoluene	13.80	165	93878	18.53	ng #	59
51) Acenaphthene	14.26	154	344325	18.79	ng	99
52) 3-Nitroaniline	14.13	138	94953	18.12	ng #	73
53) 2,4-Dinitrophenol	14.36	184	31939	17.68	ng #	73
54) Dibenzofuran	14.60	168	542880	18.96	ng #	90
55) 4-Nitrophenol	14.46	139	58660	18.90	ng	95
56) 2,4-Dinitrotoluene	14.60	165	139831	17.89	ng #	79
57) Fluorene	15.26	166	468016	18.58	ng	97
58) 2,3,4,6-Tetrachlorophenol	14.84	232	109103	17.67	ng #	100
59) Diethylphthalate	15.04	149	522240	19.06	ng	95
60) 4-Chlorophenyl-phenylether	15.26	204	244746	18.69	ng	93
61) 4-Nitroaniline	15.30	138	91048	17.36	ng #	4
62) Azobenzene	15.55	77	543416	19.09	ng	83
64) 4,6-Dinitro-2-methylphenol	15.37	198	71450	18.33	ng	91
65) n-Nitrosodiphenylamine	15.47	169	411920	18.06	ng	100
66) 4-Bromophenyl-phenylether	16.15	248	153436	18.12	ng #	83
67) Hexachlorobenzene	16.26	284	167572	18.02	ng #	80
68) Atrazine	16.44	200	125745	14.70	ng	98
69) Pentachlorophenol	16.62	266	87051	18.59	ng	96
70) Phenanthrene	17.00	178	809263	18.57	ng	99
71) Anthracene	17.09	178	787388	18.54	ng	98
72) Carbazole	17.37	167	716816	17.96	ng	98
73) Di-n-butylphthalate	17.93	149	948328	18.56	ng #	96
74) Fluoranthene	19.03	202	971087	18.93	ng	99
76) Benzidine	19.23	184	251908m	10.13	ng	
77) Pyrene	19.39	202	1017044	17.53	ng	97
79) Butylbenzylphthalate	20.31	149	443281	16.97	ng #	82
80) Benzo(a)anthracene	21.15	228	1000644	18.44	ng	99
81) 3,3'-Dichlorobenzidine	21.09	252	332511	16.40	ng #	99
82) Chrysene	21.20	228	955626	18.16	ng	99
83) Bis(2-ethylhexyl)phthalate	21.09	149	641903	16.84	ng	98
84) Di-n-octyl phthalate	21.95	149	945588	17.92	ng #	96
85) Indeno(1,2,3-cd)pyrene	25.51	276	795888	19.23	ng	97
87) Benzo(b)fluoranthene	22.69	252	904713	18.23	ng #	92
88) Benzo(k)fluoranthene	22.74	252	883695	18.73	ng #	97
89) Benzo(a)pyrene	23.25	252	823229	18.82	ng	99
90) Dibenzo(a,h)anthracene	25.51	278	667661	18.68	ng #	95
91) Benzo(g,h,i)perylene	26.17	276	632249	18.92	ng #	86

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



#1

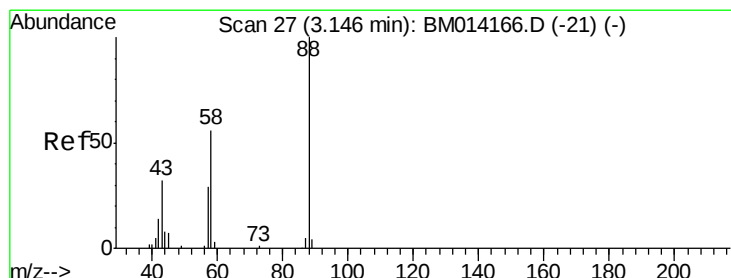
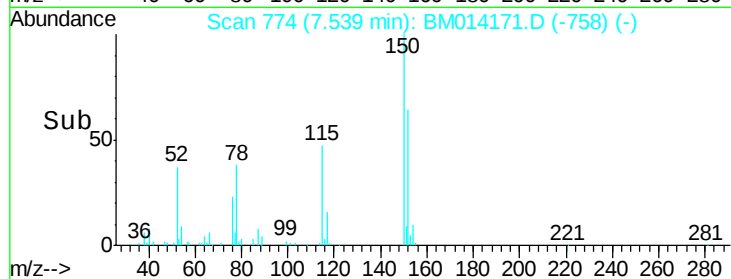
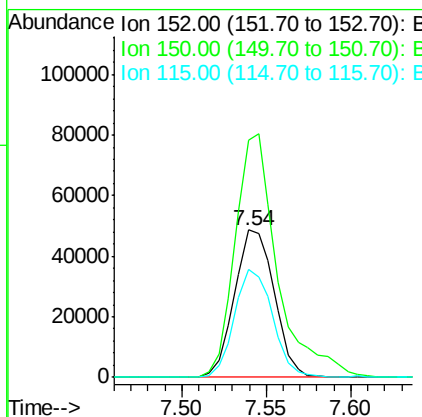
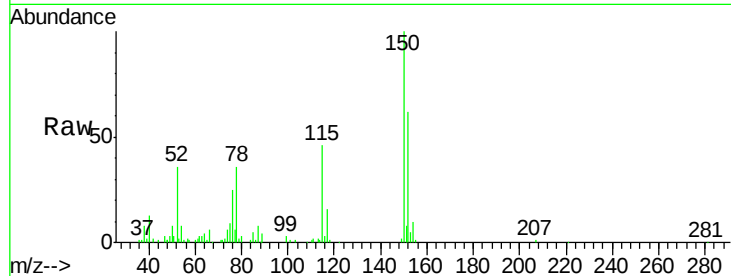
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.54 min Scan# 774
Delta R.T. -0.01 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.0	119.5	179.3
115	73.5	43.0	64.4

Manual Integrations
APPROVED

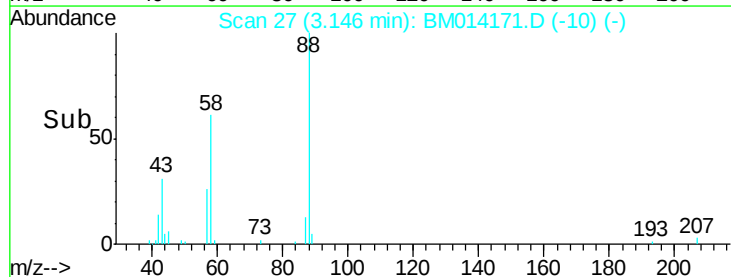
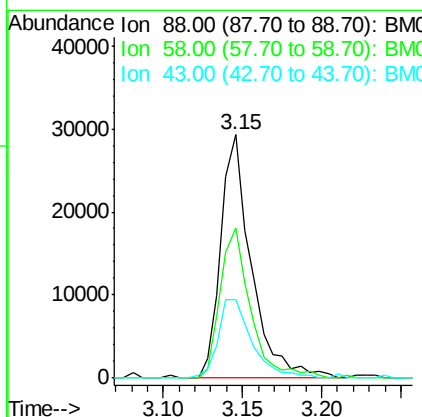
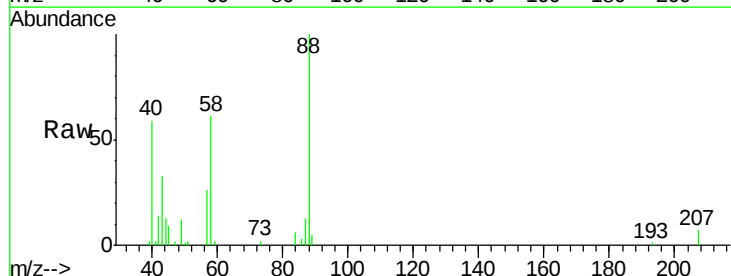
Sohil
2/8/2018 3:50:31 PM

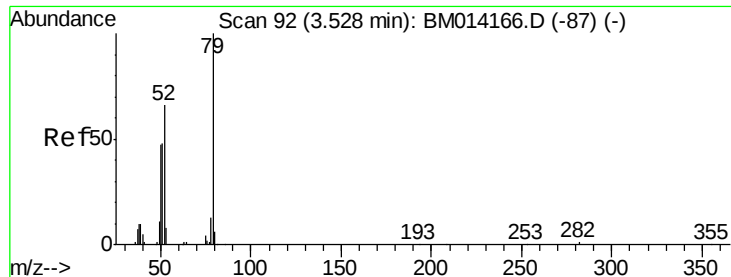


#2

1,4-Dioxane
Concen: 20.87 ng
RT: 3.15 min Scan# 27
Delta R.T. 0.00 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Lower	Upper
88	100		
58	61.0	0.0	0.0
43	36.1	0.0	0.0





#3

Pyridine

Concen: 19.75 ng

RT: 3.53 min Scan# 93

Delta R.T. 0.01 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Instrument :

BNA_M

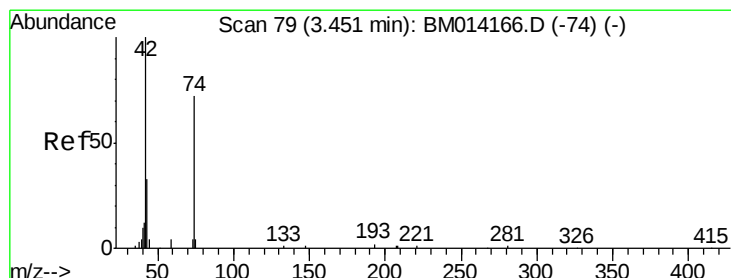
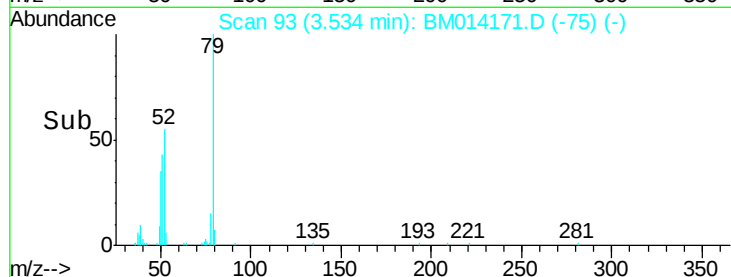
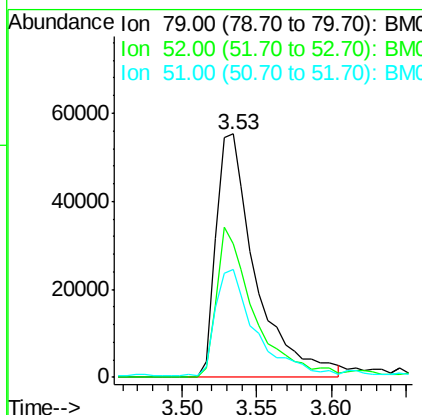
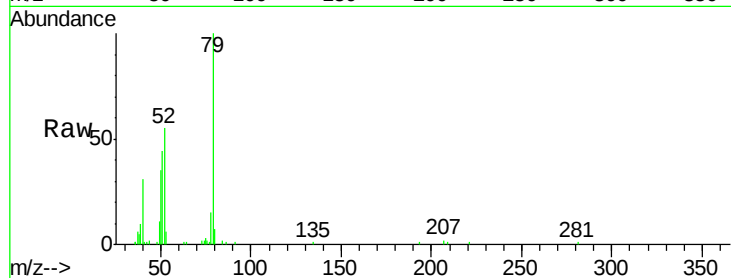
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tgt Ion:	79	Resp:	102677
Ion Ratio	Lower	Upper	
79	100		
52	54.8	51.1	76.7
51	44.1	26.1	39.1#

Manual Integrations
APPROVED

Sohil
2/8/2018 3:50:31 PM



#4

n-Nitrosodimethylamine

Concen: 18.74 ng

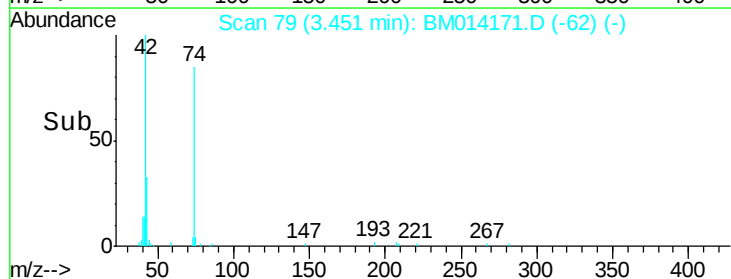
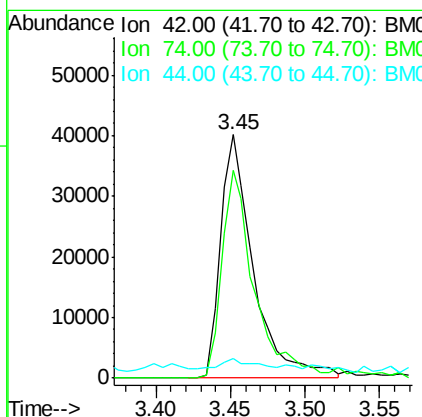
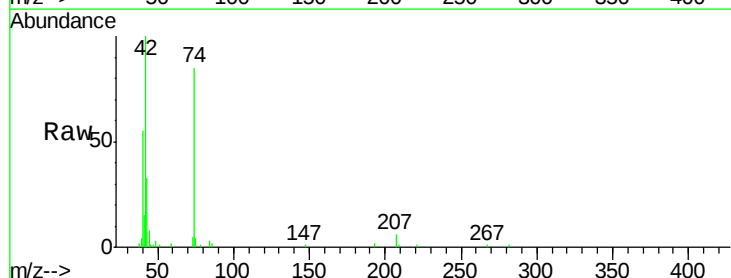
RT: 3.45 min Scan# 79

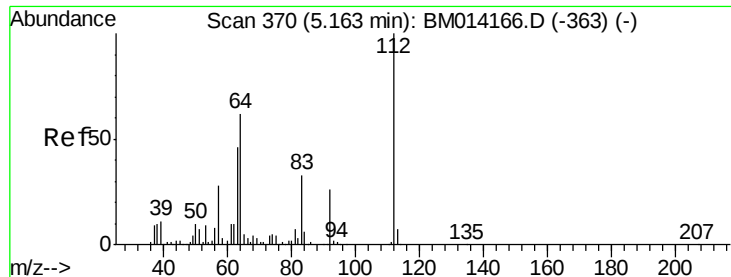
Delta R.T. -0.00 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Tgt Ion:	42	Resp:	62077
Ion Ratio	Lower	Upper	
42	100		
74	85.5	119.3	178.9#
44	8.3	5.4	8.2#





#5

2-Fluorophenol

Concen: 135.83 ng

RT: 5.16 min Scan# 370

Delta R.T. 0.00 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Instrument :

BNA_M

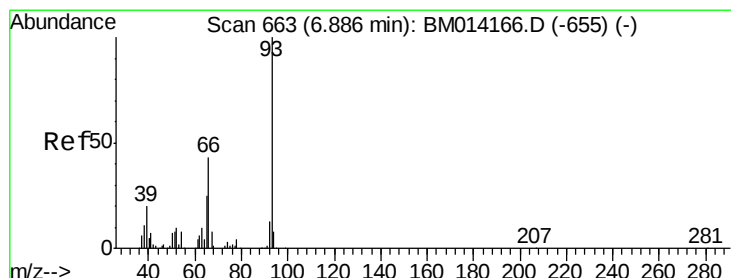
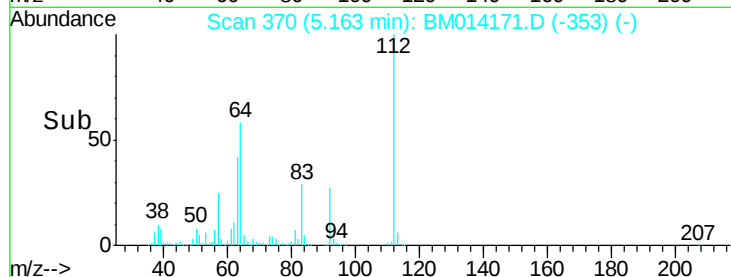
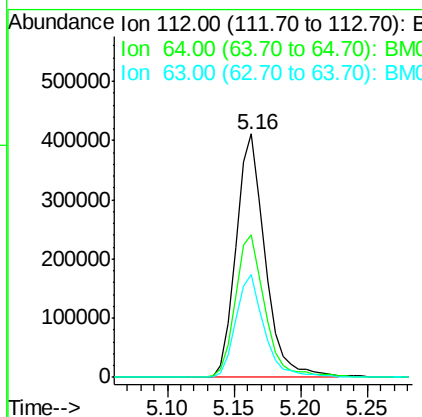
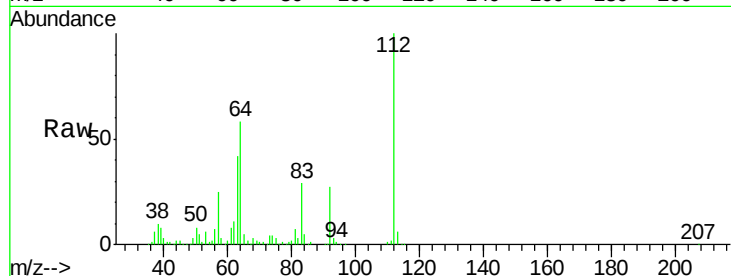
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tgt Ion:	112	Resp:	620592
Ion Ratio	Lower	Upper	
112	100		
64	58.4	38.6	57.8#
63	42.3	19.3	28.9#

Manual Integrations
APPROVED

Sohil
2/8/2018 3:50:31 PM



#6

Aniline

Concen: 19.55 ng

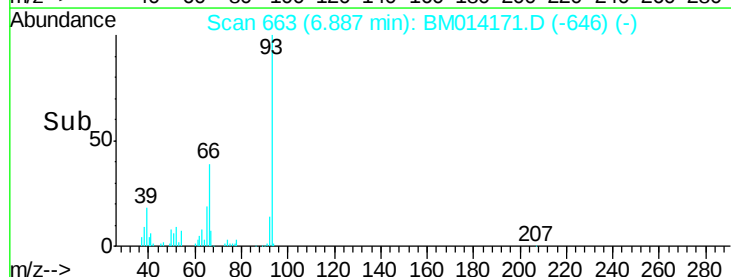
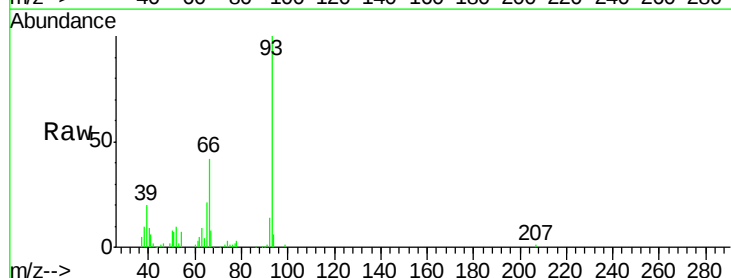
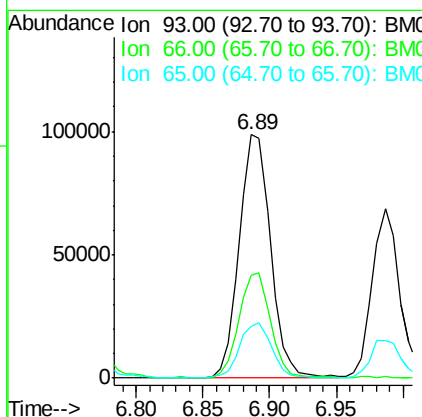
RT: 6.89 min Scan# 663

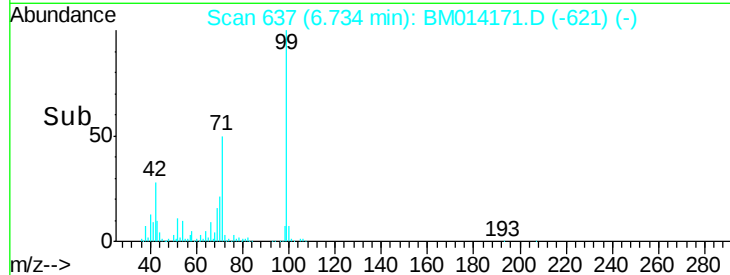
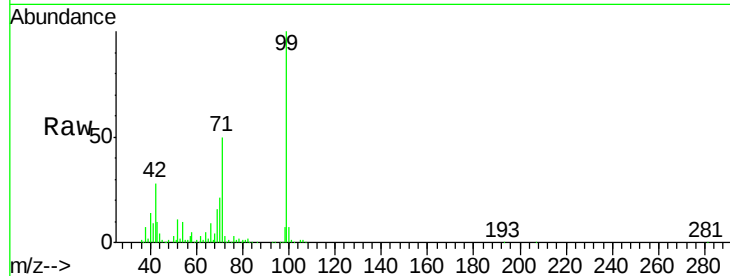
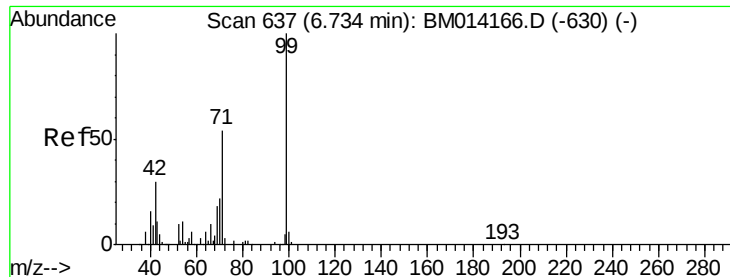
Delta R.T. -0.00 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Tgt Ion:	93	Resp:	161261
Ion Ratio	Lower	Upper	
93	100		
66	42.1	30.8	46.2
65	21.0	16.0	24.0





#7

Phenol-d6

Concen: 135.09 ng

RT: 6.73 min Scan# 637

Delta R.T. -0.01 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		874138		
42	28.0	11.0	16.4#		
71	50.2	23.4	35.2#		

Instrument :

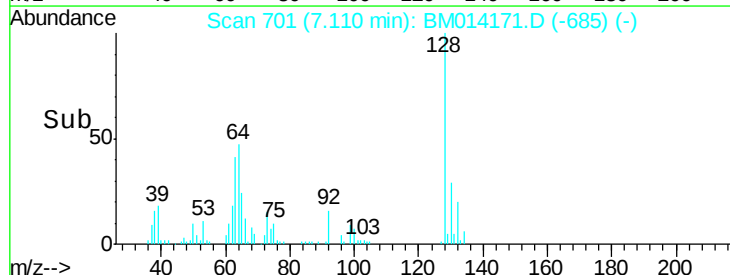
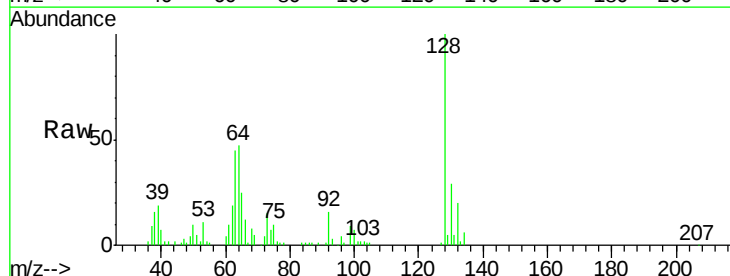
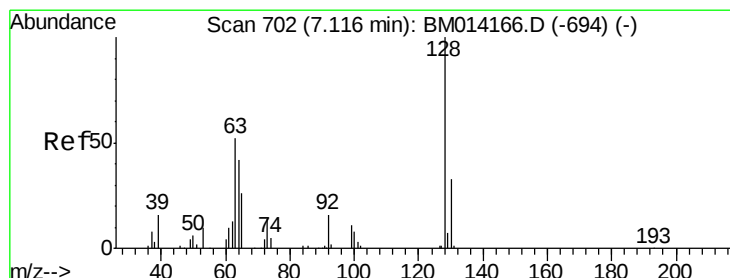
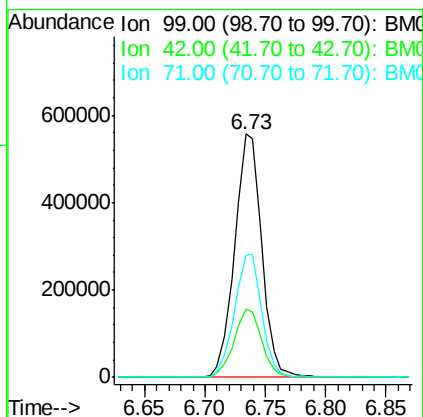
BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2018

Manual Integrations
APPROVED

Sohil
2/8/2018 3:50:31 PM



#8

2-Chlorophenol

Concen: 18.99 ng

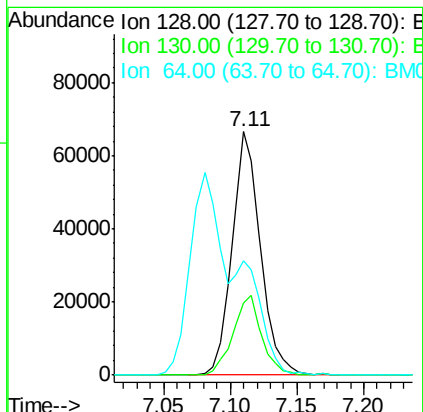
RT: 7.11 min Scan# 701

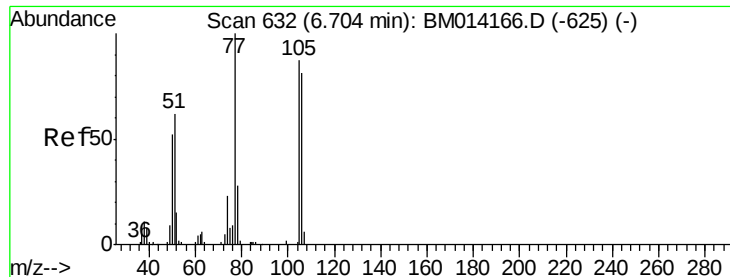
Delta R.T. -0.01 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		98587		
130	29.5	12.0	52.0		
64	47.1	24.9	64.9		





#9

Benzaldehyde

Concen: 13.74 ng

RT: 6.71 min Scan# 633

Delta R.T. -0.00 min

Lab File: BM014171.D

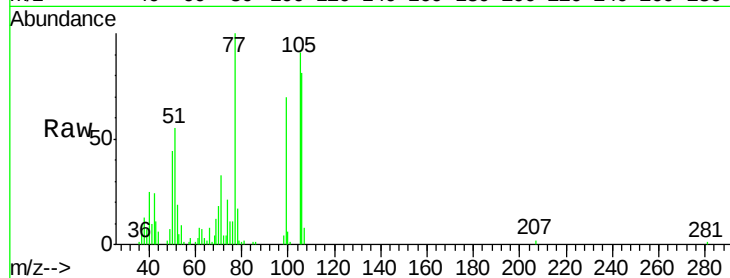
Acq: 07 Feb 2018 21:19

Instrument :

BNA_M

ClientSampleId :

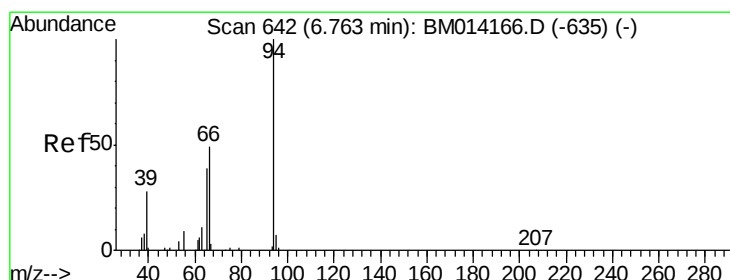
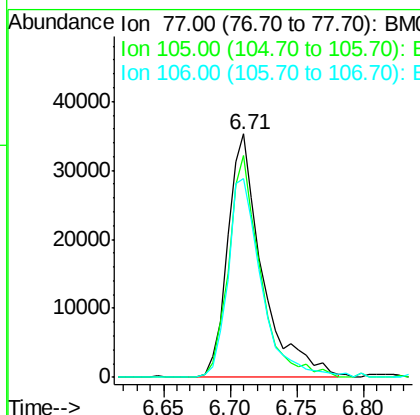
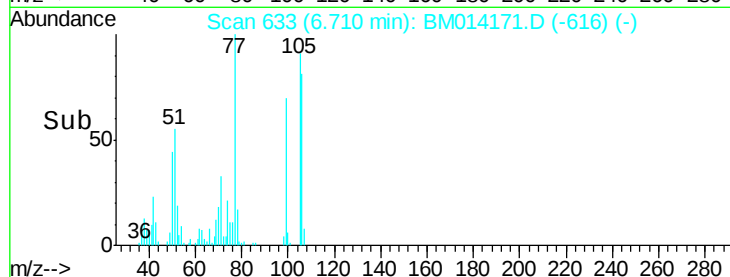
LOQ-SOIL-02-QT1-2018



Tgt Ion:	77	Resp:	63982
Ion	Ratio	Lower	Upper
77	100		
105	91.0	78.8	118.8
106	81.5	73.7	113.7

Manual Integrations
APPROVED

Sohil
2/8/2018 3:50:31 PM



#10

Phenol

Concen: 20.45 ng

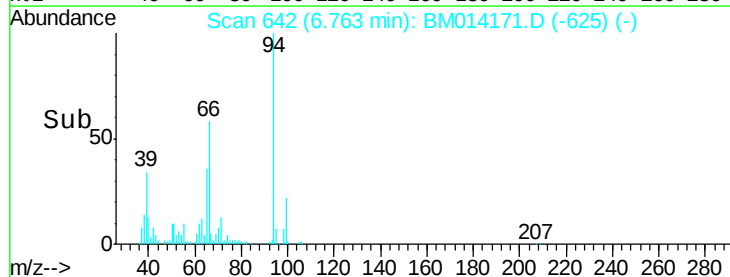
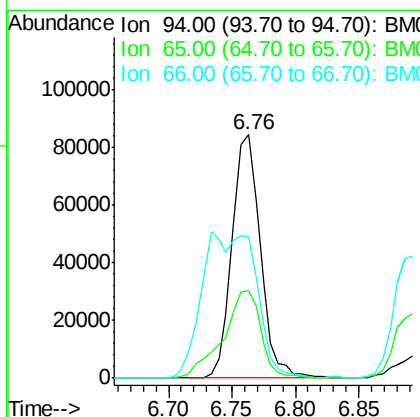
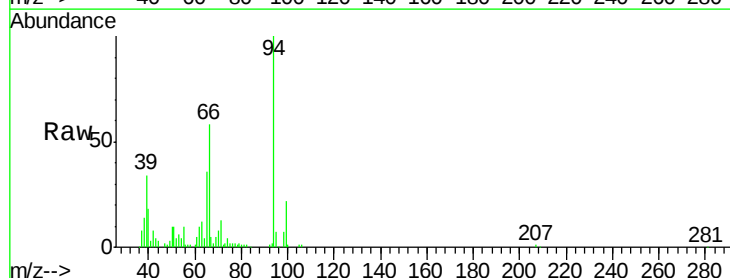
RT: 6.76 min Scan# 642

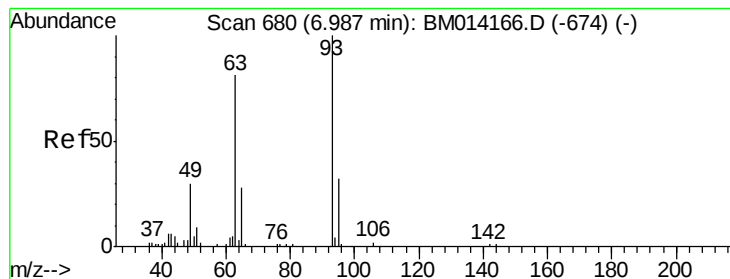
Delta R.T. -0.00 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Tgt Ion:	94	Resp:	130661
Ion	Ratio	Lower	Upper
94	100		
65	36.1	18.8	58.8
66	58.0	39.9	79.9





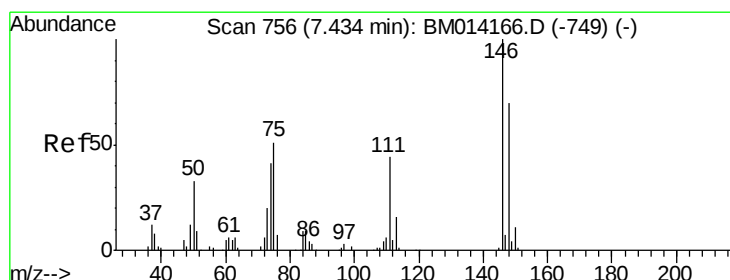
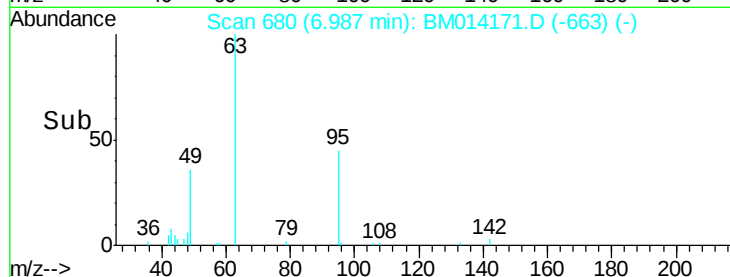
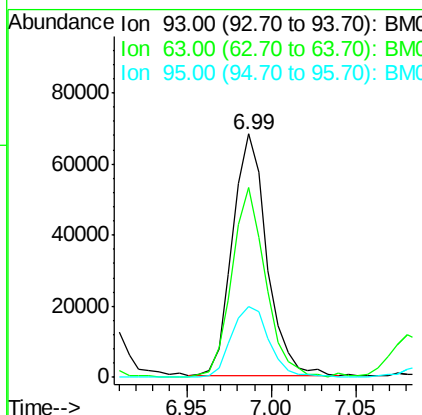
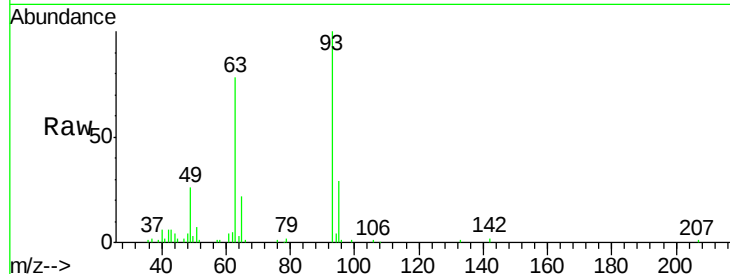
#11
bis(2-Chloroethyl)ether
Concen: 19.07 ng
RT: 6.99 min Scan# 680
Delta R.T. -0.00 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	96283		
63	78.2		49.5	89.5
95	29.2		13.5	53.5

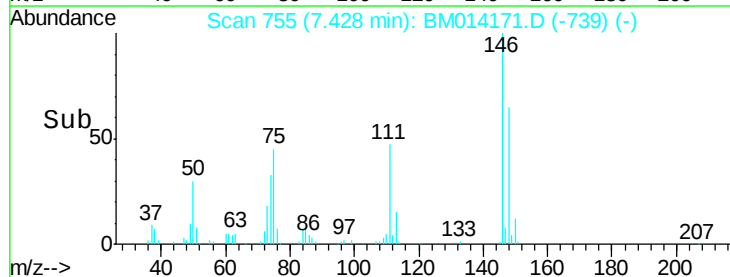
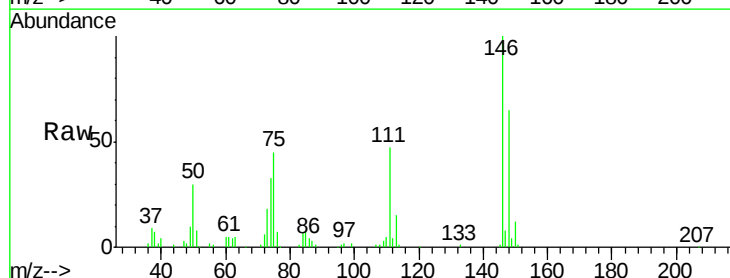
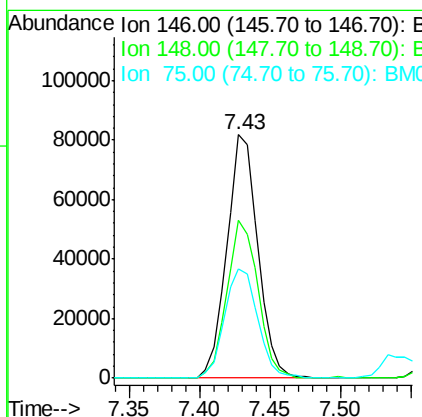
Manual Integrations
APPROVED

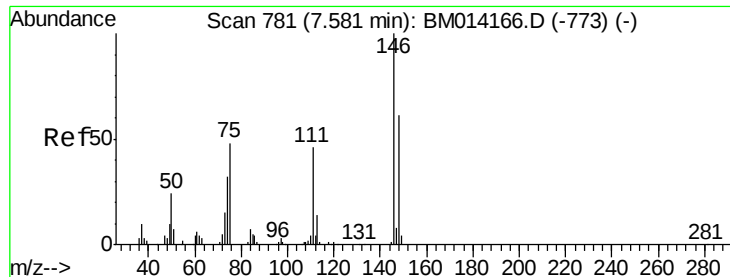
Sohil
2/8/2018 3:50:31 PM



#12
1,3-Dichlorobenzene
Concen: 19.29 ng
RT: 7.43 min Scan# 755
Delta R.T. -0.01 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	125221		
148	64.9		50.9	76.3
75	45.1		21.4	32.2





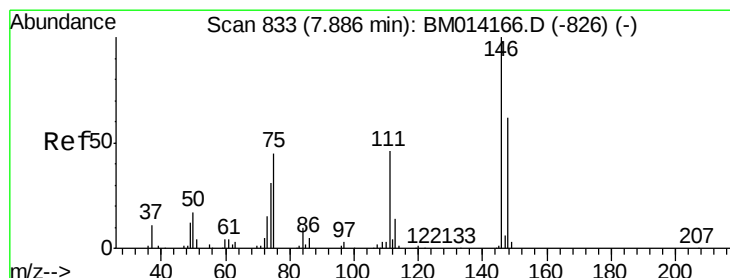
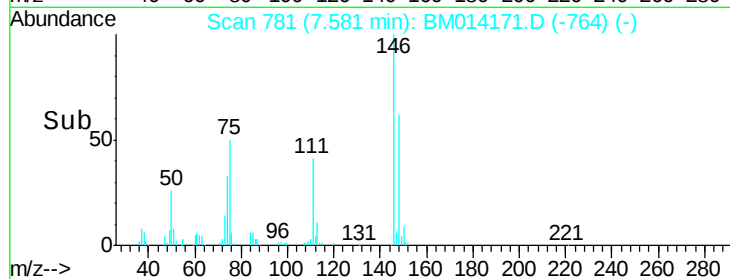
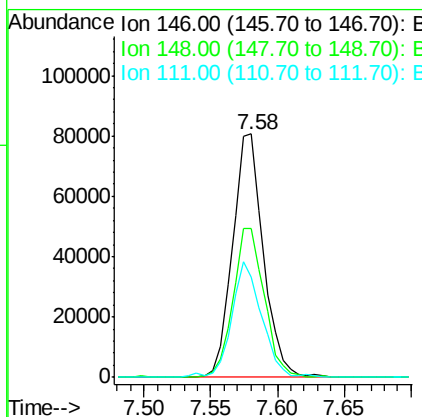
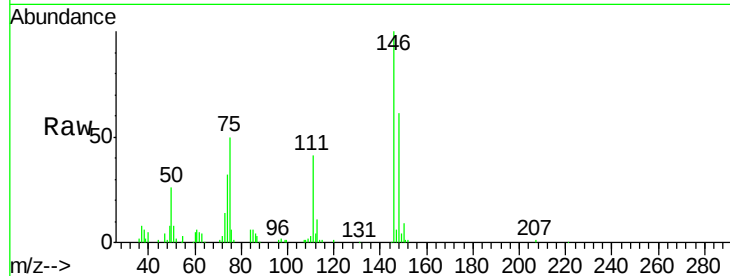
#13
 1,4-Dichlorobenzene
 Concen: 19.85 ng
 RT: 7.58 min Scan# 781
 Delta R.T. -0.00 min
 Lab File: BM014171.D
 Acq: 07 Feb 2018 21:19

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.3	51.9	77.9
111	41.1	29.2	43.8

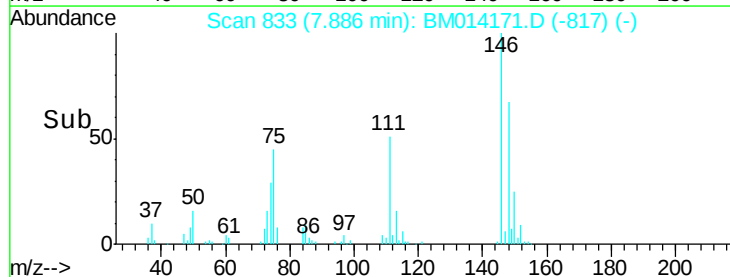
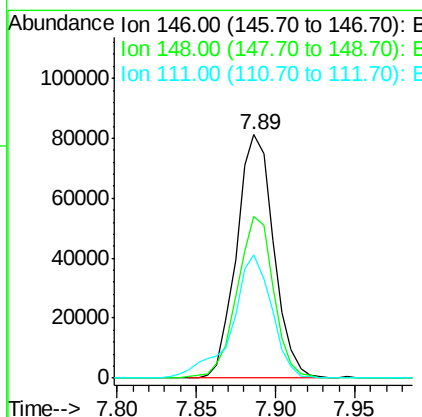
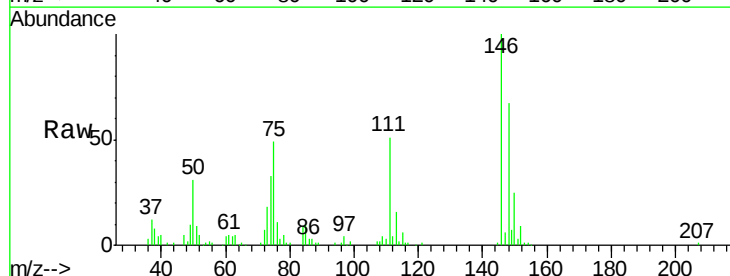
Manual Integrations
 APPROVED

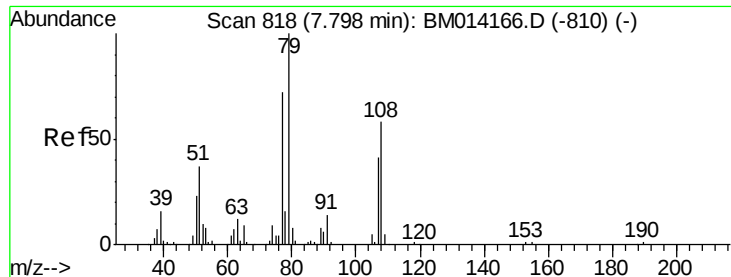
Sohil
 2/8/2018 3:50:31 PM



#14
 1,2-Dichlorobenzene
 Concen: 20.06 ng
 RT: 7.89 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BM014171.D
 Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.7	52.3	78.5
111	50.8	30.6	45.8





#15

Benzyl Alcohol

Concen: 18.23 ng

RT: 7.80 min Scan# 818

Delta R.T. -0.00 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Instrument :

BNA_M

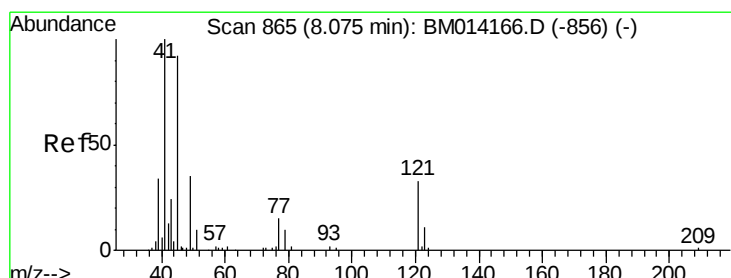
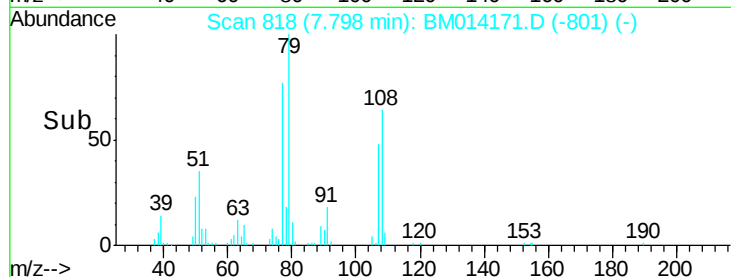
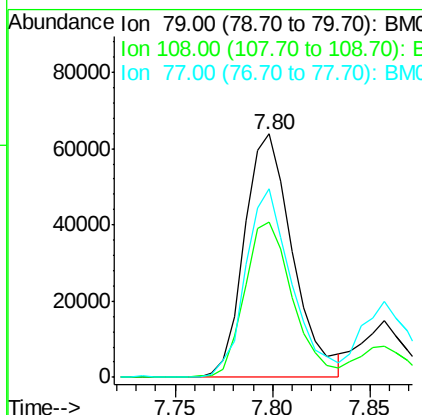
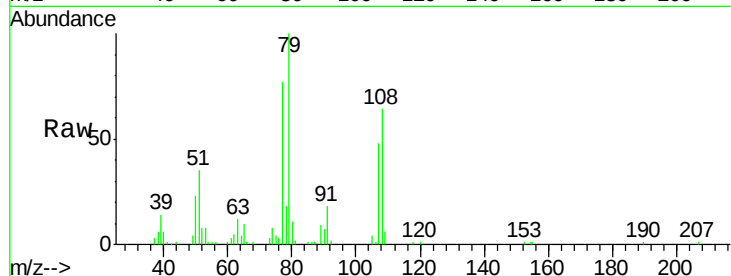
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tgt Ion:	79	Resp:	109313
Ion Ratio	Lower	Upper	
79	100		
108	64.0	65.0	97.4#
77	77.4	53.0	79.6

Manual Integrations
APPROVED

Sohil
2/8/2018 3:50:31 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 19.27 ng

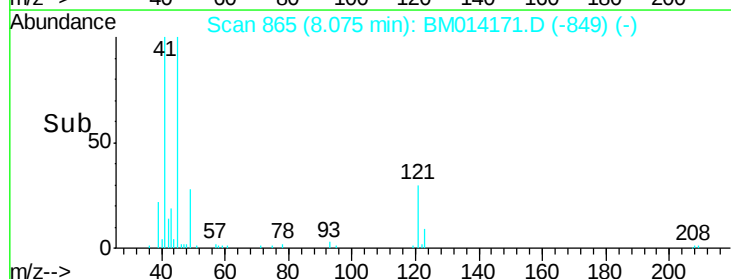
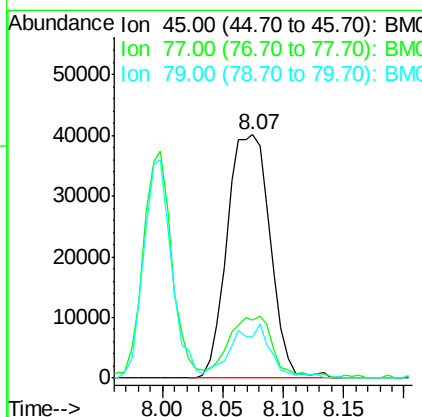
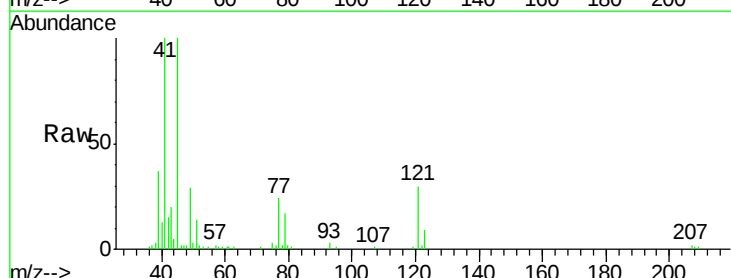
RT: 8.07 min Scan# 865

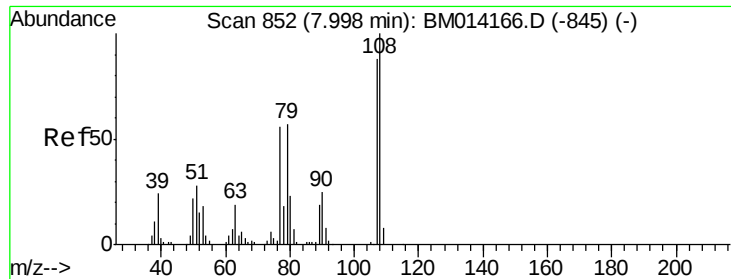
Delta R.T. -0.01 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Tgt Ion:	45	Resp:	98959
Ion Ratio	Lower	Upper	
45	100		
77	23.7	0.0	35.2
79	17.2	0.0	32.0





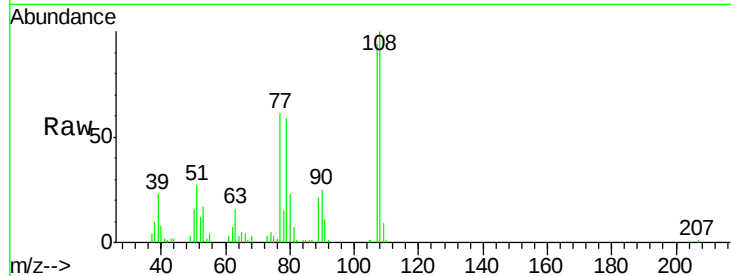
#17
2-Methylphenol
Concen: 19.08 ng
RT: 8.00 min Scan# 852
Delta R.T. -0.00 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Resp Lower	Resp Upper
107	100		
108	106.7	89.8	134.8
77	65.5	32.6	48.8#
79	62.8	32.8	49.2#

Manual Integrations
APPROVED

Sohil
2/8/2018 3:50:31 PM



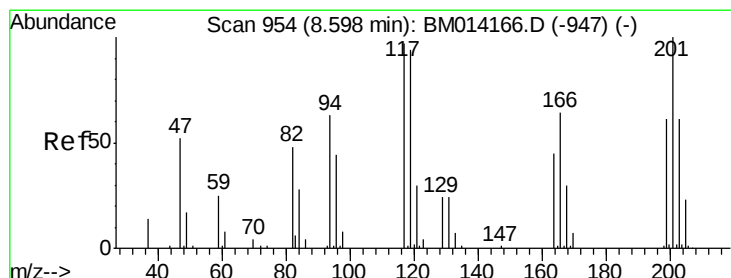
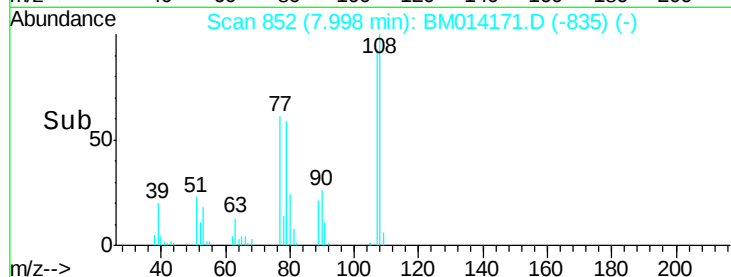
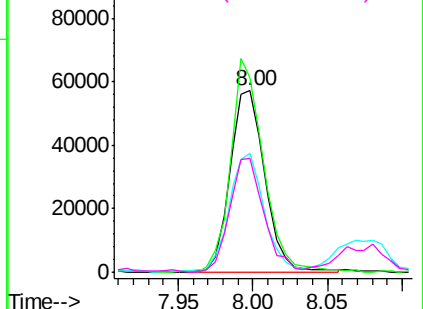
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0



#18
Hexachloroethane
Concen: 18.50 ng
RT: 8.60 min Scan# 954
Delta R.T. -0.00 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

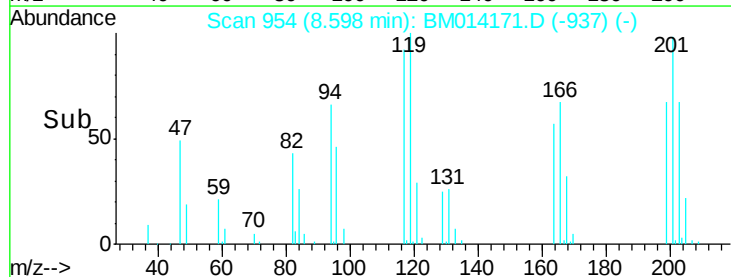
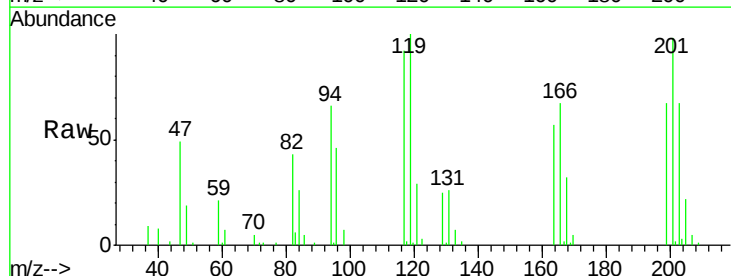
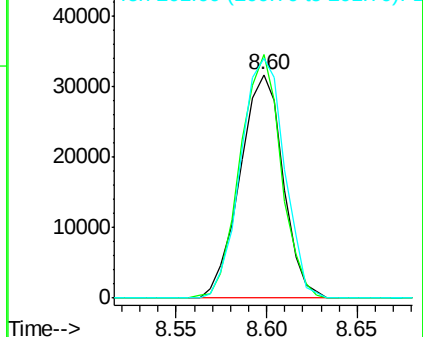
Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
119	108.8	79.2	118.8
201	109.5	69.8	104.6#

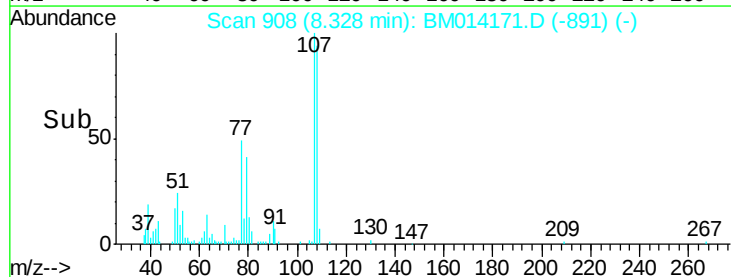
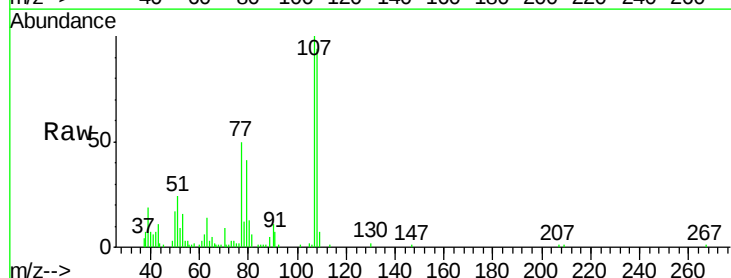
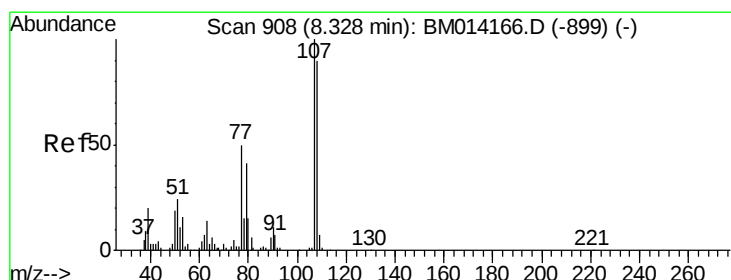
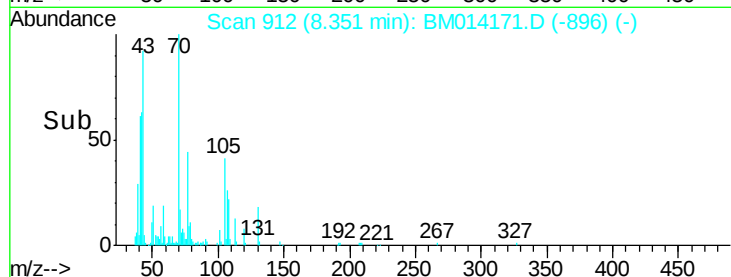
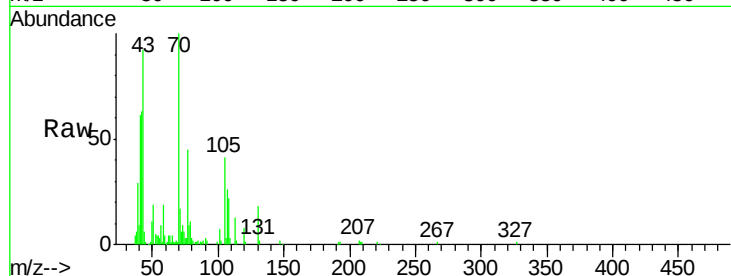
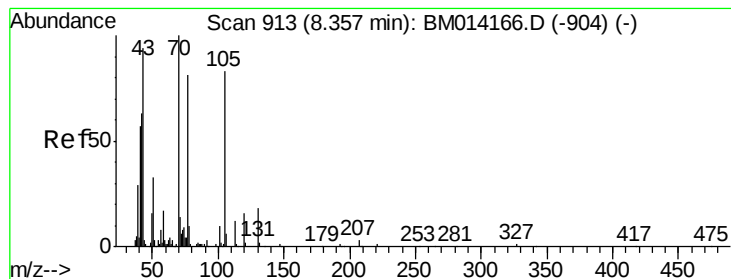
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 19.05 ng

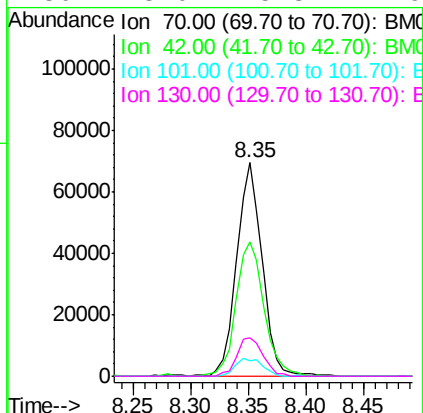
RT: 8.35 min Scan# 912

Delta R.T. -0.01 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Tgt Ion	Ion	Ratio	Lower	Upper
70	100			
42	62.9	44.5	66.7	
101	7.4	7.4	11.2	
130	18.0	15.3	22.9	



Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2018

Manual Integrations
APPROVED

Sohil
2/8/2018 3:50:31 PM

#20

3+4-Methylphenols

Concen: 18.48 ng

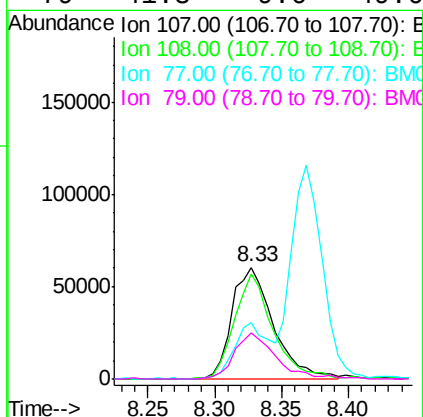
RT: 8.33 min Scan# 908

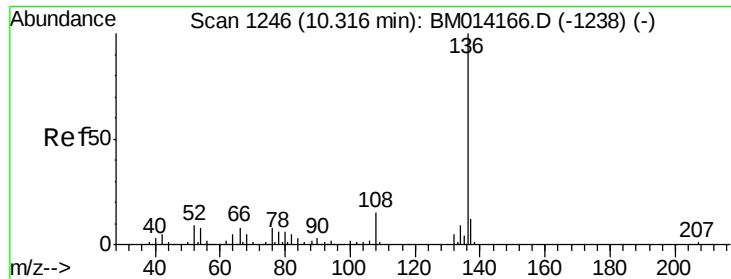
Delta R.T. 0.00 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	94.4	73.2	113.2	
77	49.9	10.7	50.7	
79	41.3	9.6	49.6	





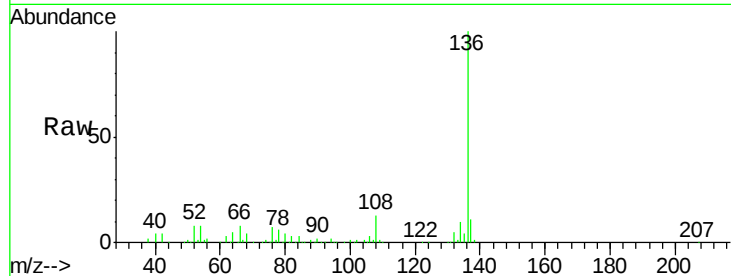
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.32 min Scan# 1246
Delta R.T. -0.00 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2018

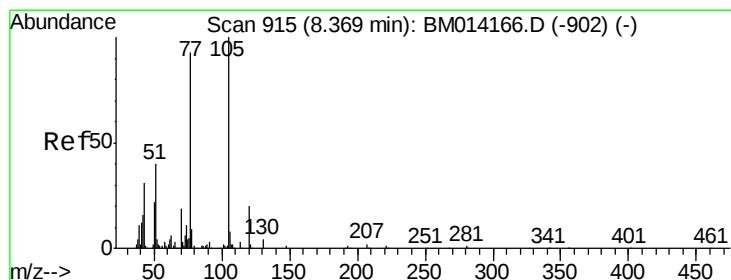
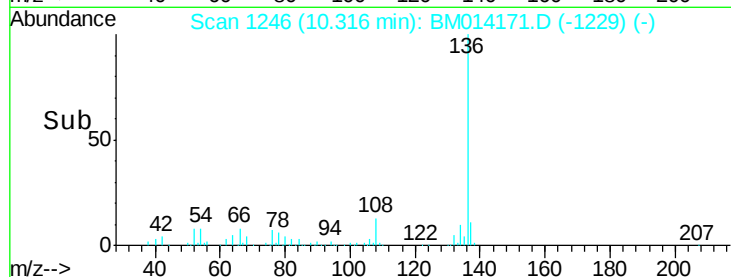
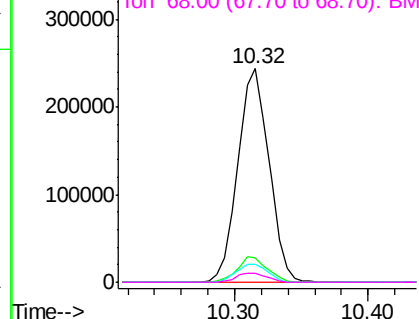
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	395066		
137	11.3	8.7	13.1	
54	8.3	4.6	6.8#	
68	4.1	3.7	5.5	

Manual Integrations
APPROVED

Sohil
2/8/2018 3:50:31 PM



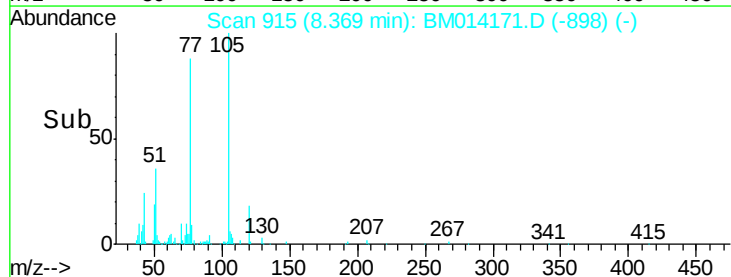
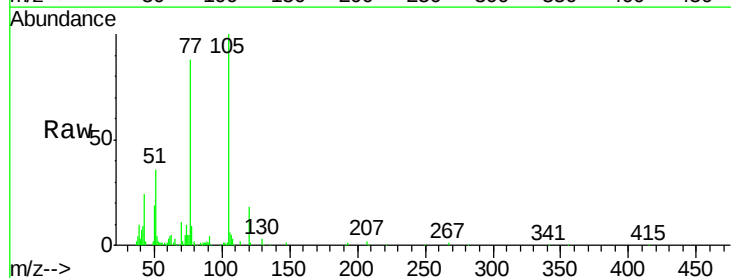
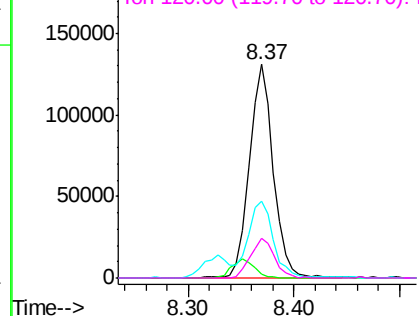
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

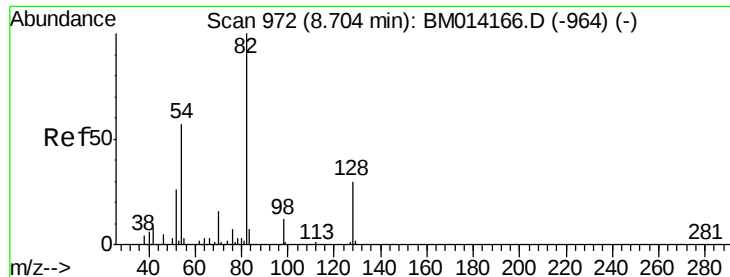


#22
Acetophenone
Concen: 18.10 ng
RT: 8.37 min Scan# 915
Delta R.T. -0.00 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	205618		
71	2.1	0.6	1.0#	
51	36.2	21.6	32.4#	
120	18.4	16.1	24.1	

Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BM
Ion 51.00 (50.70 to 51.70): BM
Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 107.61 ng

RT: 8.70 min Scan# 972

Delta R.T. -0.00 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Instrument :

BNA_M

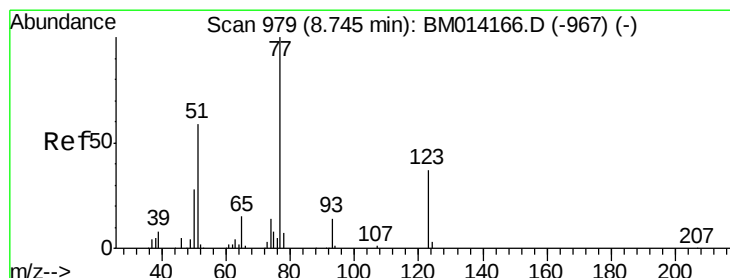
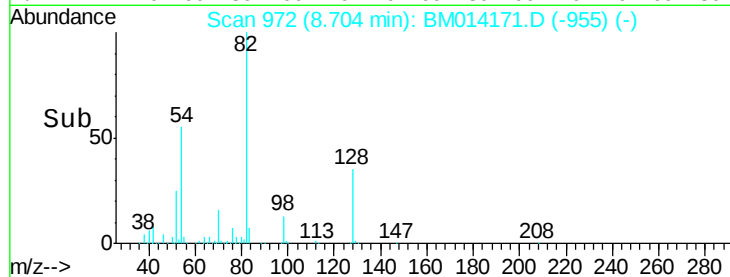
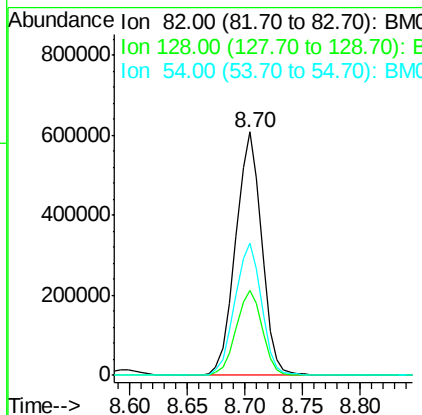
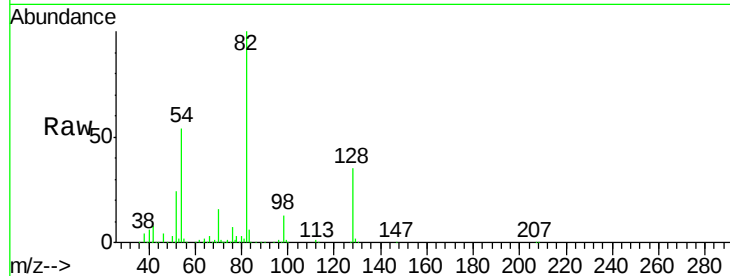
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tgt Ion:	82	Resp:	951781
Ion Ratio		Lower	Upper
82	100		
128	34.8	32.8	49.2
54	54.4	40.6	60.8

Manual Integrations
APPROVED

Sohil
2/8/2018 3:50:31 PM



#24

Nitrobenzene

Concen: 18.75 ng

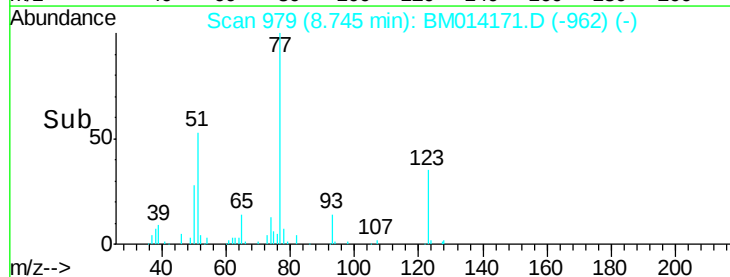
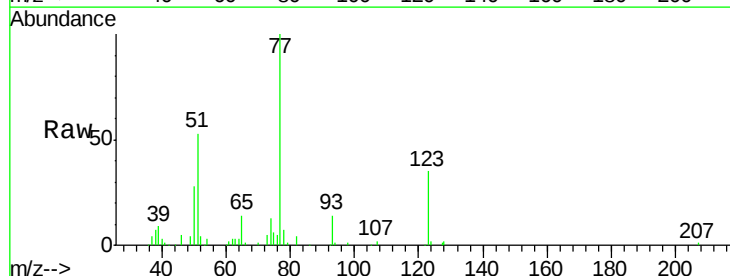
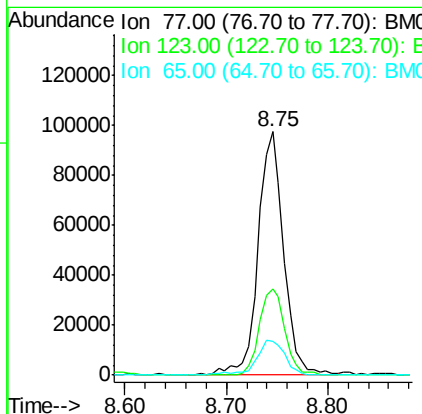
RT: 8.75 min Scan# 979

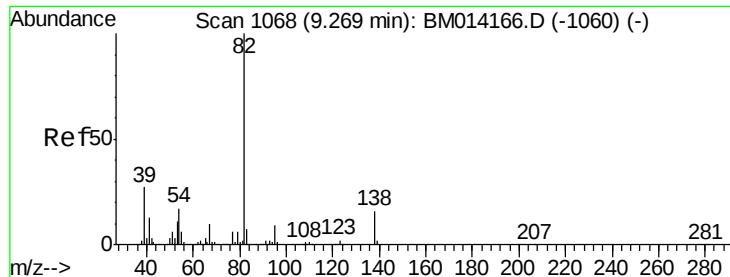
Delta R.T. -0.00 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Tgt Ion:	77	Resp:	170779
Ion Ratio		Lower	Upper
77	100		
123	35.4	32.6	49.0
65	14.0	10.9	16.3





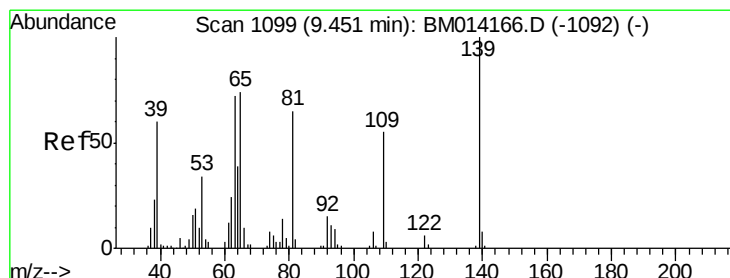
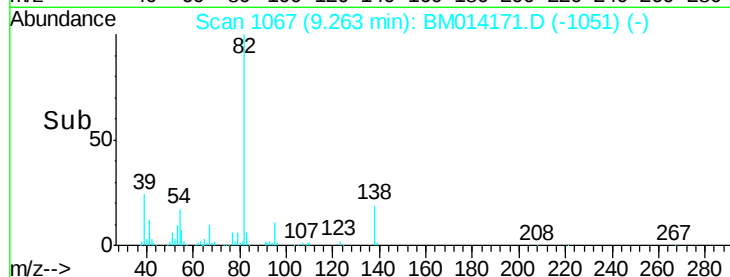
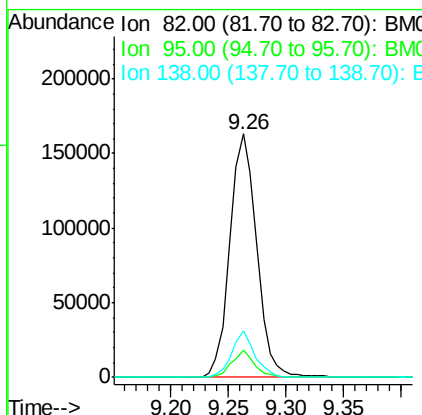
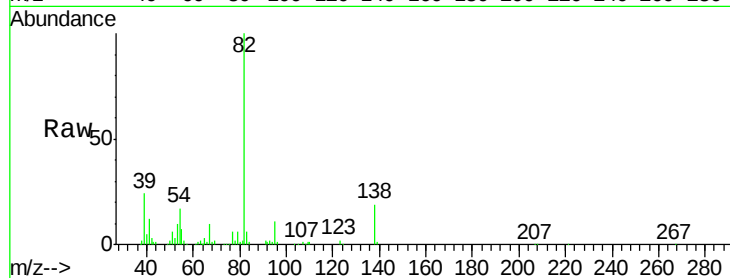
#25
Isophorone
Concen: 18.05 ng
RT: 9.26 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Lower	Upper
82	100		
95	11.0	5.8	8.6#
138	19.1	16.3	24.5

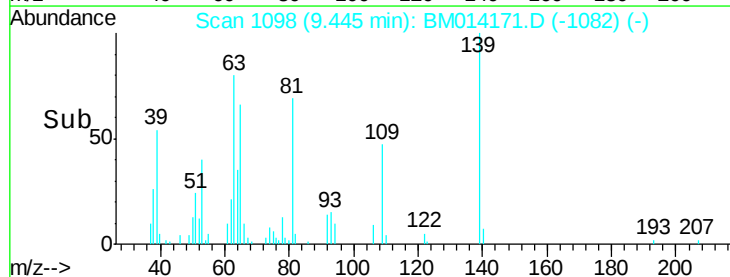
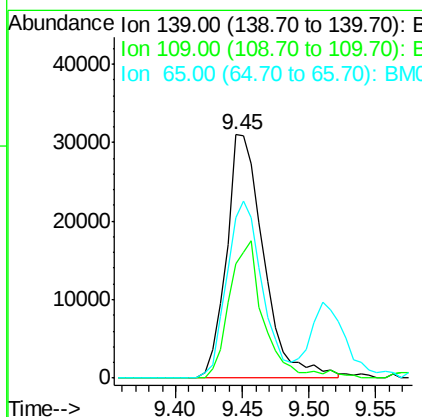
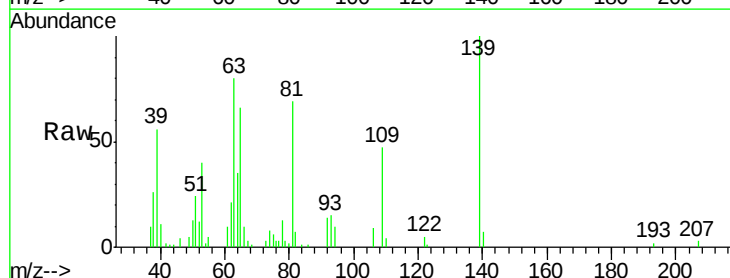
Manual Integrations
APPROVED

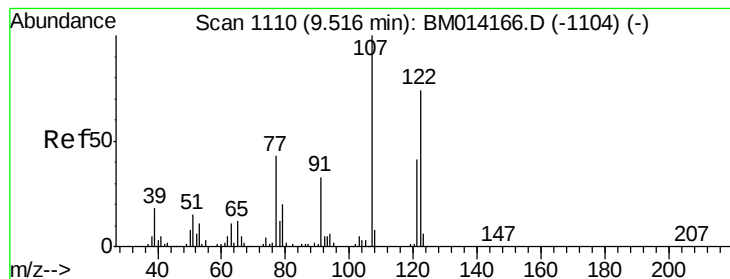
Sohil
2/8/2018 3:50:31 PM



#26
2-Nitrophenol
Concen: 17.62 ng
RT: 9.45 min Scan# 1098
Delta R.T. -0.01 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Lower	Upper
139	100		
109	46.8	20.1	30.1#
65	66.1	31.5	47.3#





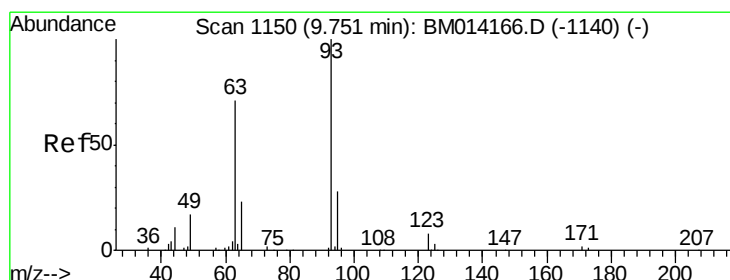
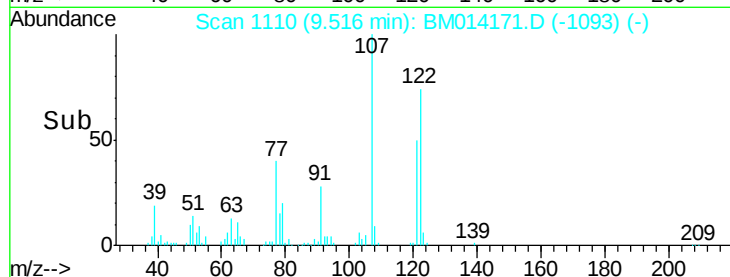
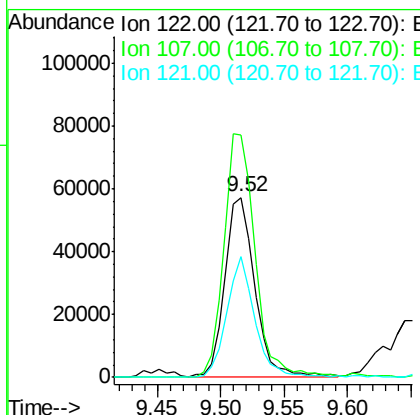
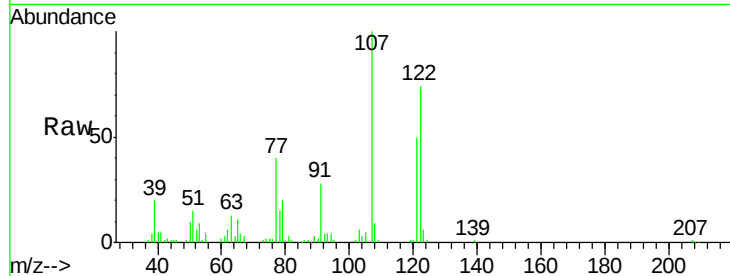
#27
 2,4-Dimethylphenol
 Concen: 18.02 ng
 RT: 9.52 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: BM014171.D
 Acq: 07 Feb 2018 21:19

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Lower	Upper
122	100		
107	134.7	84.7	127.1#
121	67.1	46.6	69.8

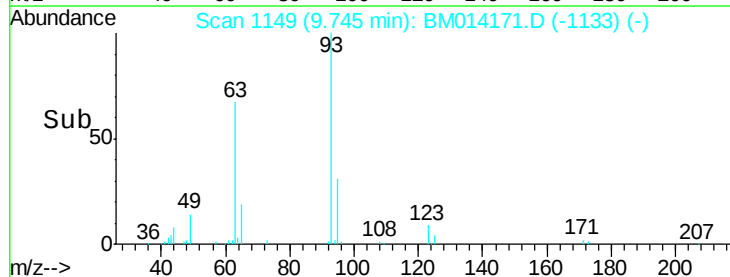
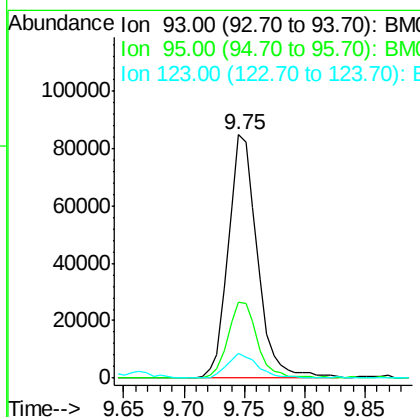
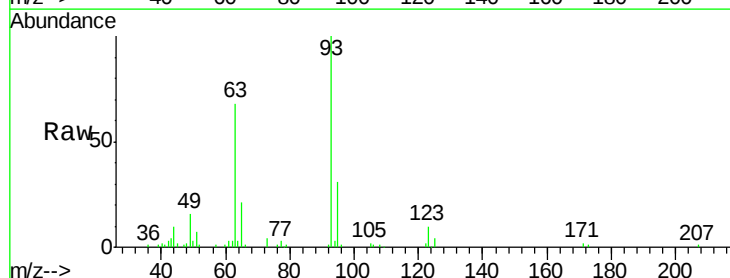
Manual Integrations
 APPROVED

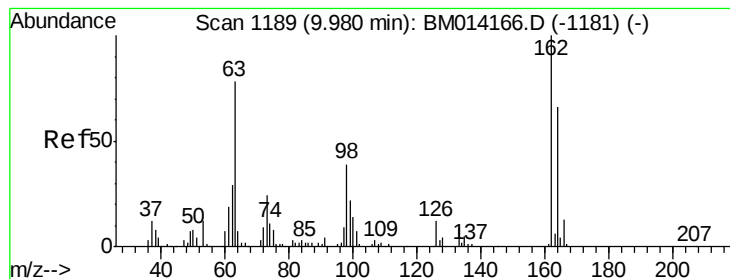
Sohil
 2/8/2018 3:50:31 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 19.01 ng
 RT: 9.75 min Scan# 1149
 Delta R.T. -0.01 min
 Lab File: BM014171.D
 Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.1	25.5	38.3
123	10.1	8.6	13.0





#29

2,4-Dichlorophenol

Concen: 17.95 ng

RT: 9.98 min Scan# 1189

Delta R.T. -0.00 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Instrument :

BNA_M

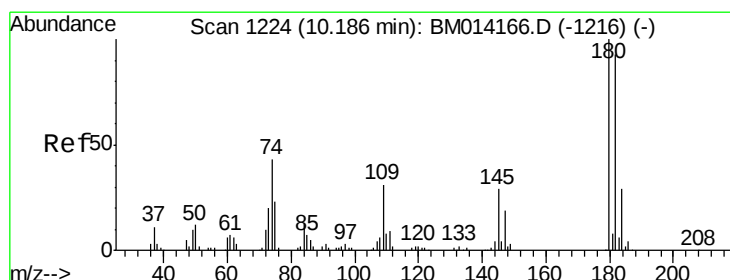
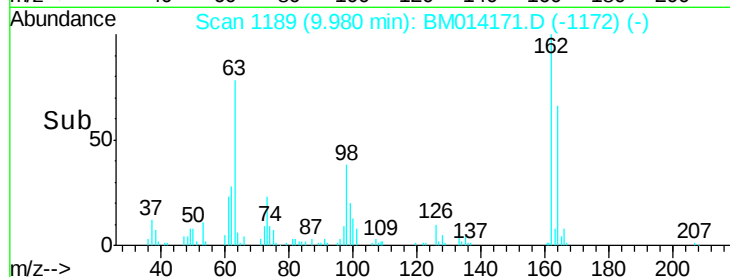
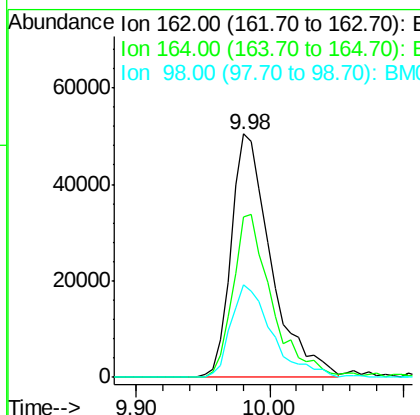
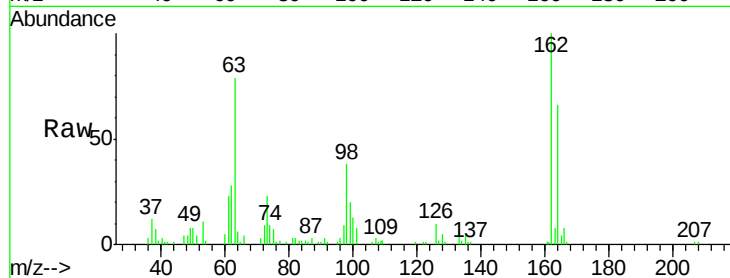
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tgt Ion:	162	Resp:	105043
Ion Ratio	Lower	Upper	
162	100		
164	65.8	42.8	82.8
98	38.2	14.5	54.5

Manual Integrations
APPROVED

Sohil
2/8/2018 3:50:31 PM



#30

1,2,4-Trichlorobenzene

Concen: 18.31 ng

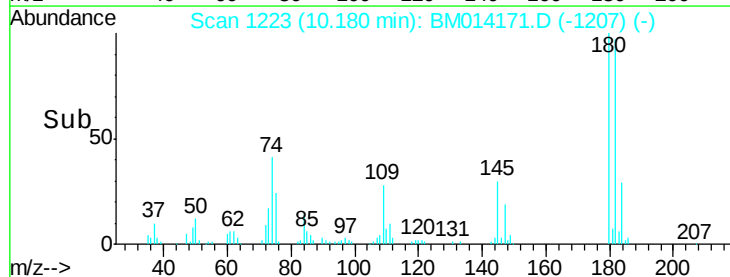
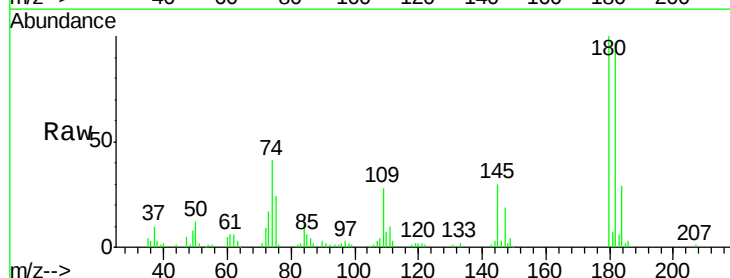
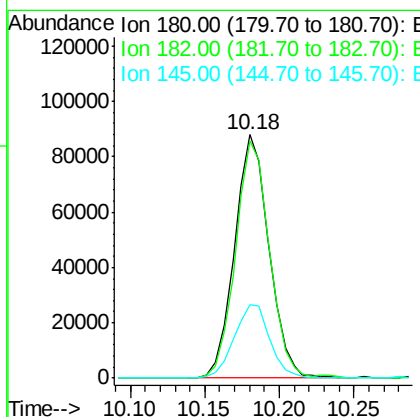
RT: 10.18 min Scan# 1223

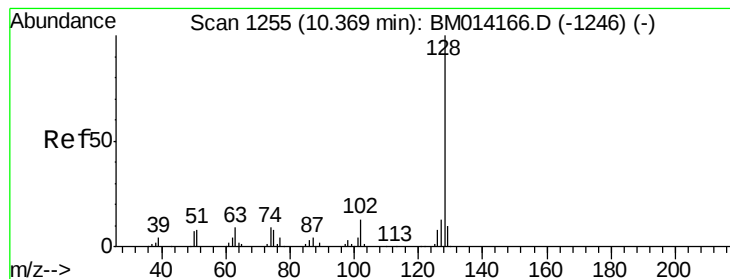
Delta R.T. -0.01 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Tgt Ion:	180	Resp:	141253
Ion Ratio	Lower	Upper	
180	100		
182	97.5	77.6	116.4
145	30.2	23.4	35.2





#31

Naphthalene

Concen: 18.30 ng

RT: 10.36 min Scan# 1254

Delta R.T. -0.01 min

Lab File: BM014171.D

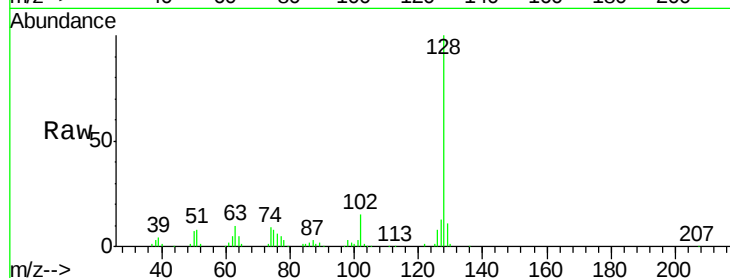
Acq: 07 Feb 2018 21:19

Instrument :

BNA_M

ClientSampleId :

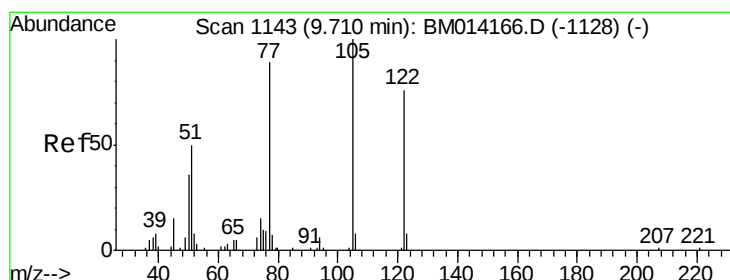
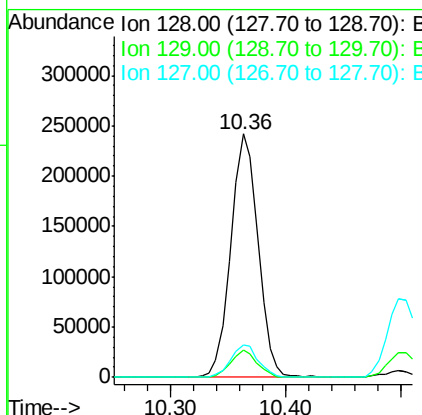
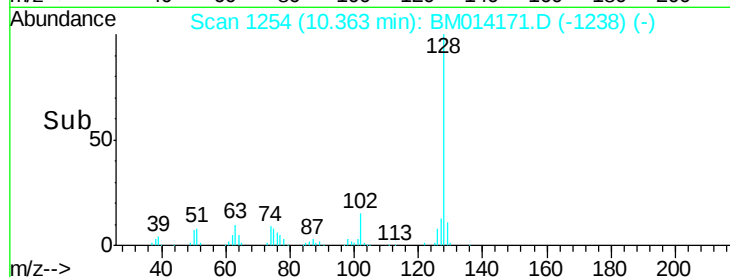
LOQ-SOIL-02-QT1-2018



Tgt Ion	Ratio	Resp	Lower	Upper
128	100	395961		
129	11.4	8.9	13.3	
127	13.3	10.4	15.6	

Manual Integrations
APPROVED

Sohil
2/8/2018 3:50:31 PM



#32

Benzoic acid

Concen: 18.30 ng

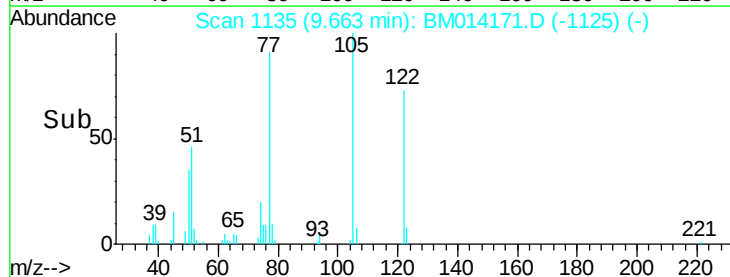
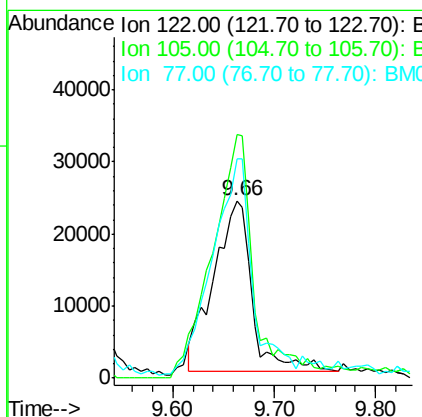
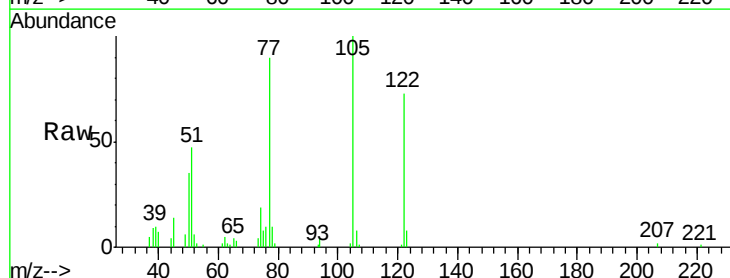
RT: 9.66 min Scan# 1135

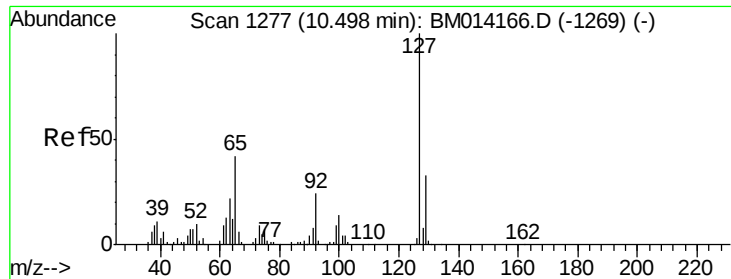
Delta R.T. -0.04 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	62680		
105	137.3	99.9	139.9	
77	123.9	73.7	113.7#	





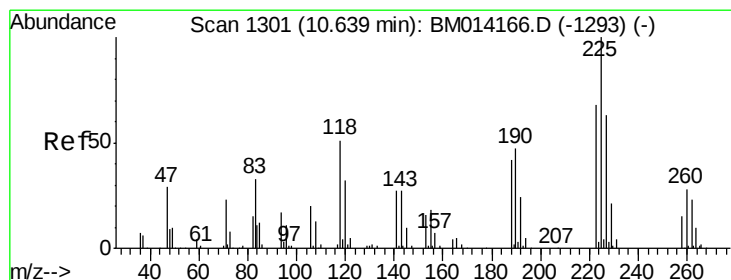
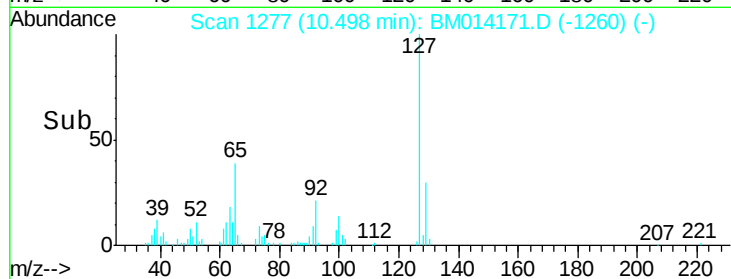
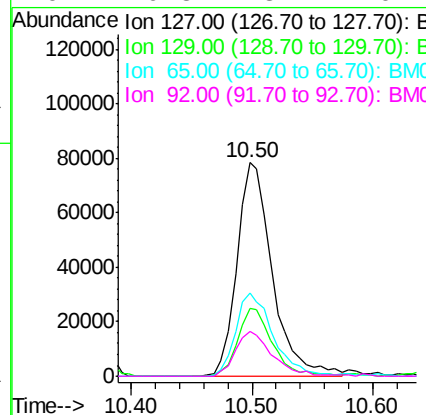
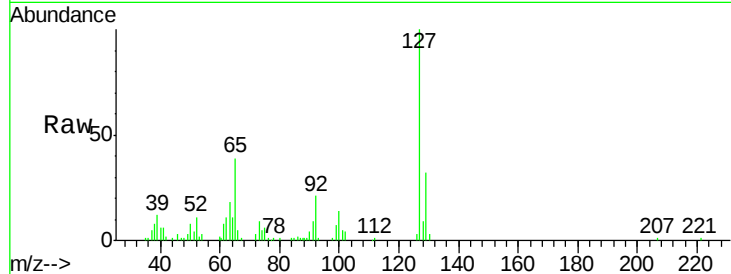
#33
 4-Chloroaniline
 Concen: 17.76 ng
 RT: 10.50 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: BM014171.D
 Acq: 07 Feb 2018 21:19

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	159731		
129	31.6	25.3	37.9	
65	39.2	17.6	26.4	
92	20.8	13.1	19.7	

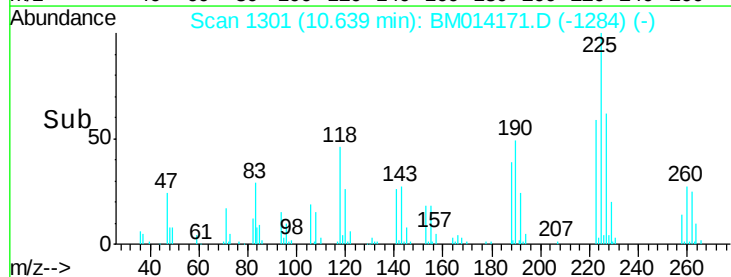
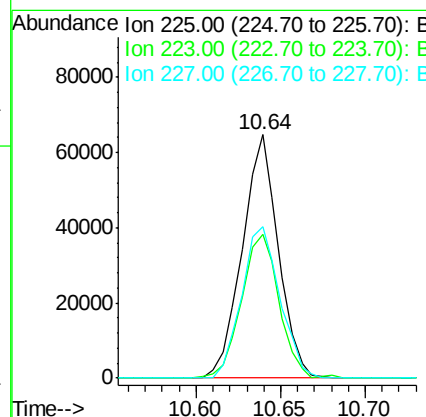
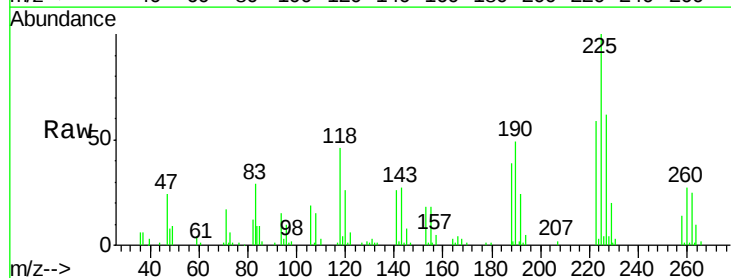
Manual Integrations
 APPROVED

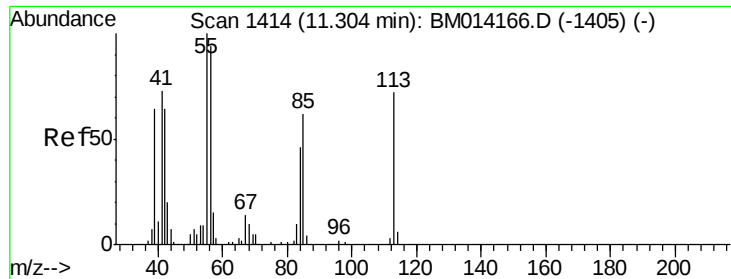
Sohil
 2/8/2018 3:50:31 PM



#34
 Hexachlorobutadiene
 Concen: 18.22 ng
 RT: 10.64 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: BM014171.D
 Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	96377		
223	59.1	47.9	71.9	
227	62.0	50.1	75.1	





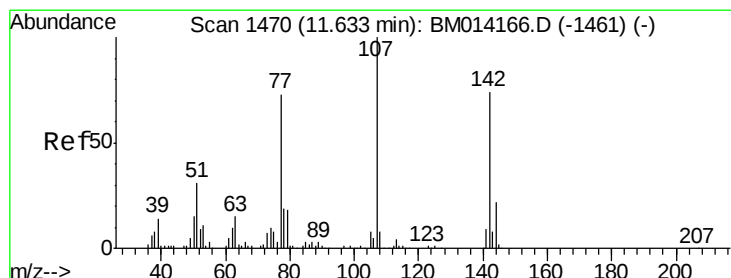
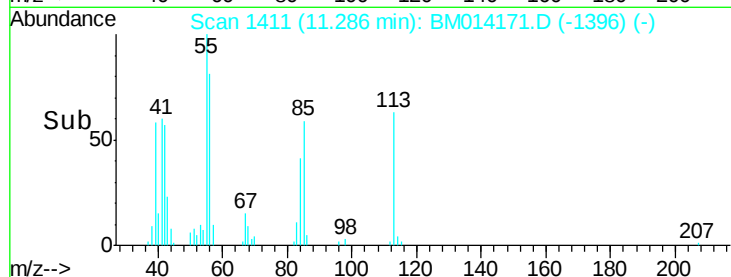
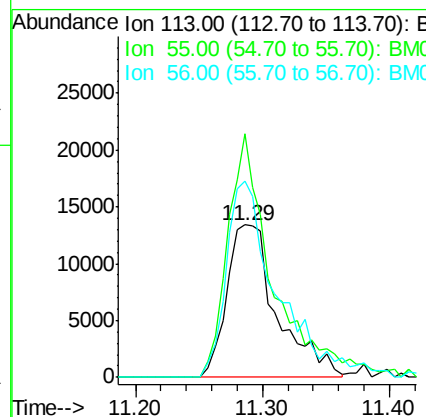
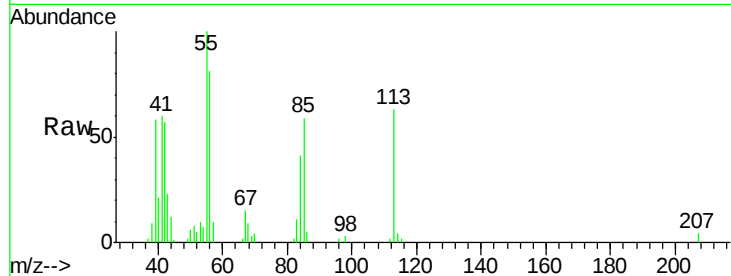
#35
 Caprolactam
 Concen: 17.60 ng
 RT: 11.29 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: BM014171.D
 Acq: 07 Feb 2018 21:19

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Lower	Upper
113	100		
55	159.5	145.9	185.9
56	128.9	101.0	141.0

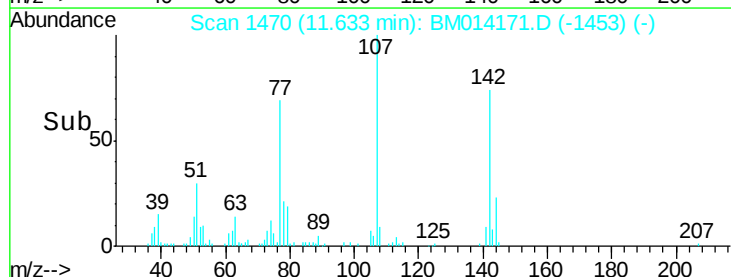
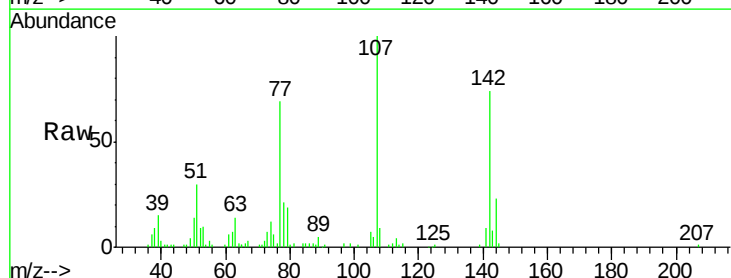
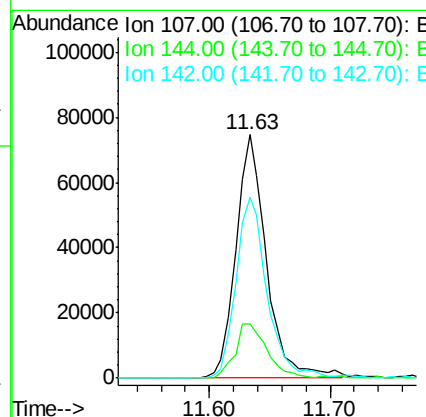
Manual Integrations
 APPROVED

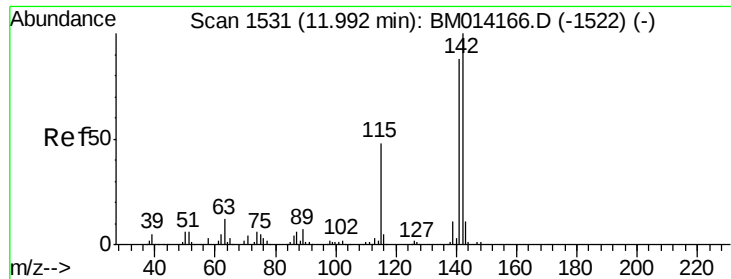
Sohil
 2/8/2018 3:50:31 PM



#36
 4-Chloro-3-methylphenol
 Concen: 18.12 ng
 RT: 11.63 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: BM014171.D
 Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Lower	Upper
107	100		
144	22.5	23.3	34.9#
142	74.1	72.6	109.0





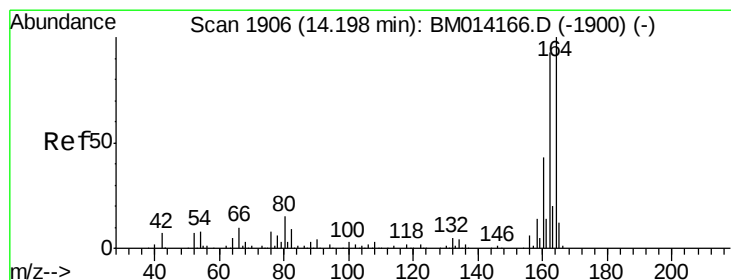
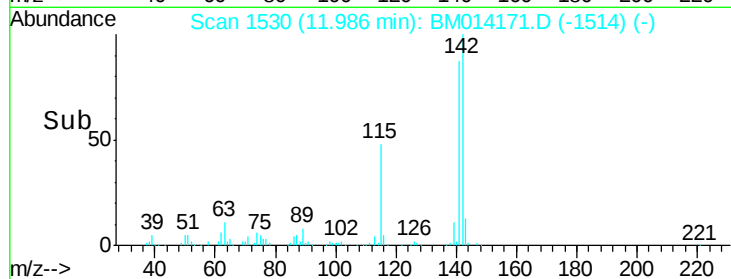
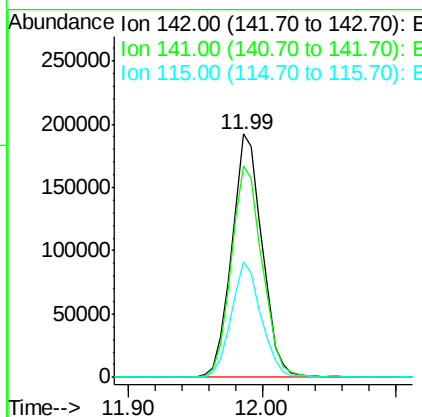
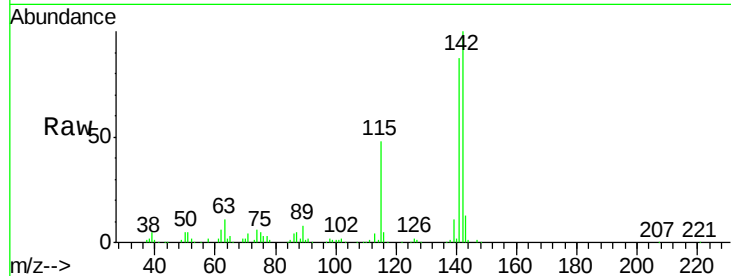
#37
2-Methylnaphthalene
Concen: 18.72 ng
RT: 11.99 min Scan# 1530
Delta R.T. -0.01 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.7	71.9	107.9
115	47.7	25.4	38.0

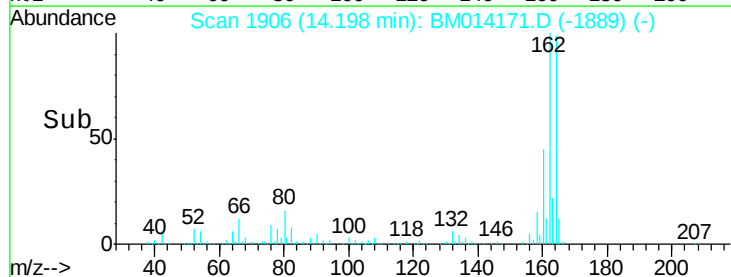
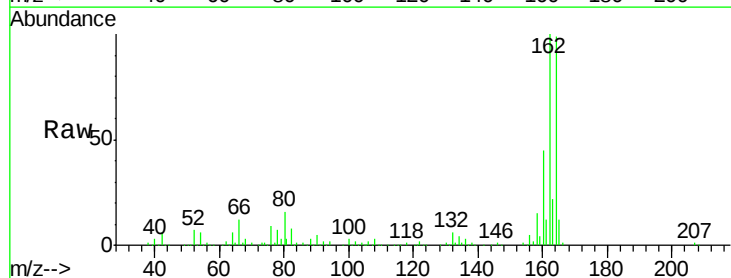
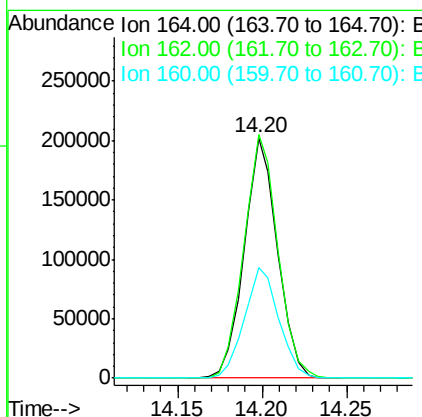
Manual Integrations
APPROVED

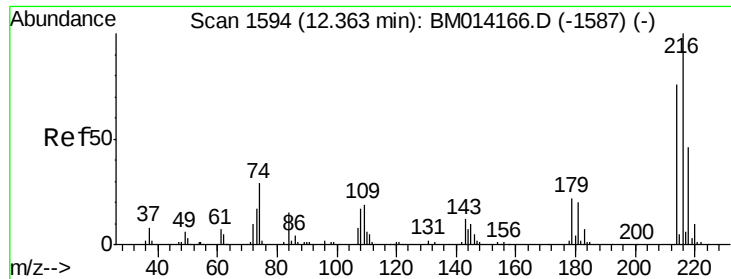
Sohil
2/8/2018 3:50:31 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.20 min Scan# 1906
Delta R.T. -0.00 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.4	123.6
160	46.0	35.8	53.6





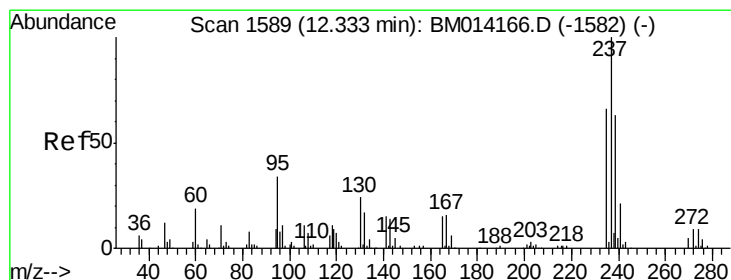
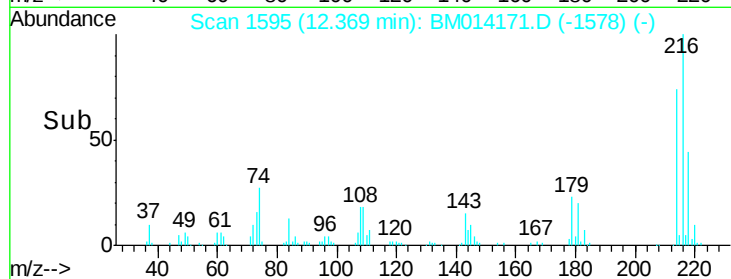
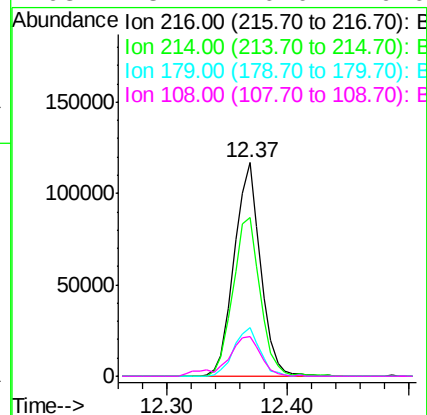
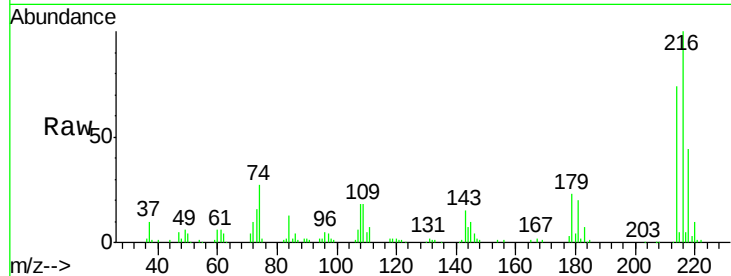
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 18.42 ng
 RT: 12.37 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: BM014171.D
 Acq: 07 Feb 2018 21:19

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Resp Lower	Resp Upper
216	100		
214	77.1	0.0	0.0#
179	22.7	0.0	0.0#
108	23.2	0.0	0.0#

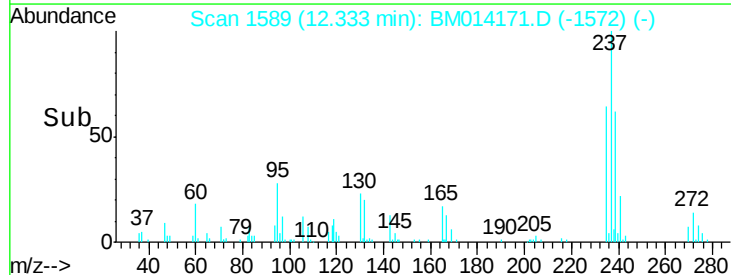
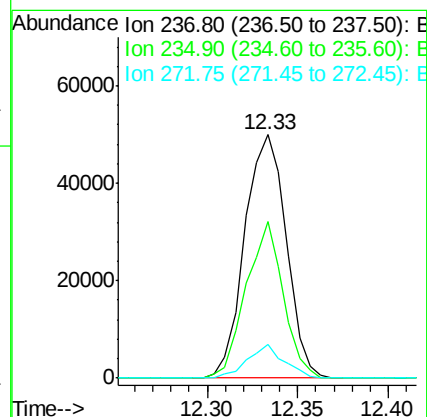
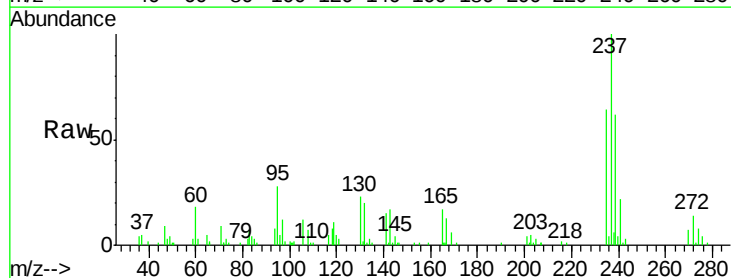
Manual Integrations
 APPROVED

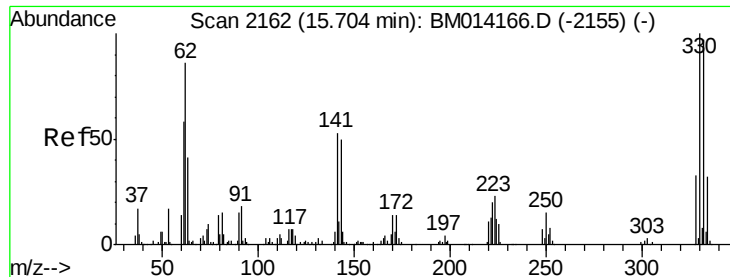
Sohil
 2/8/2018 3:50:31 PM



#40
 Hexachlorocyclopentadiene
 Concen: 19.11 ng
 RT: 12.33 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: BM014171.D
 Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
237	100		
235	64.4	42.0	82.0
272	13.7	0.0	33.4





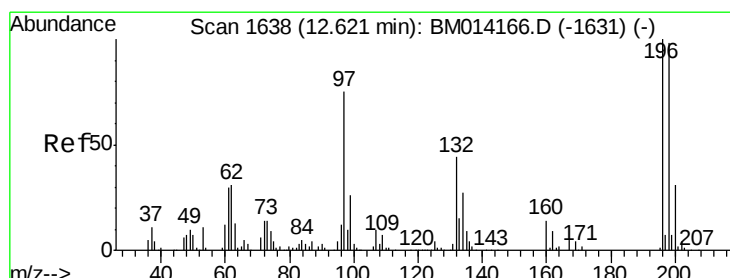
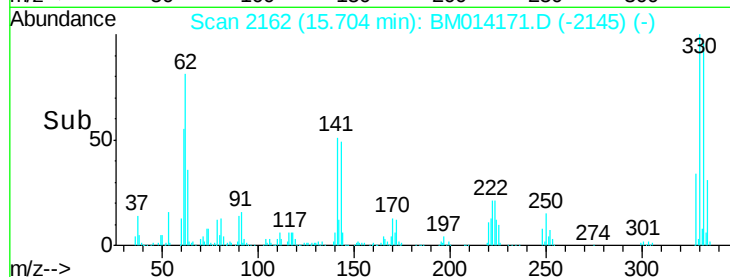
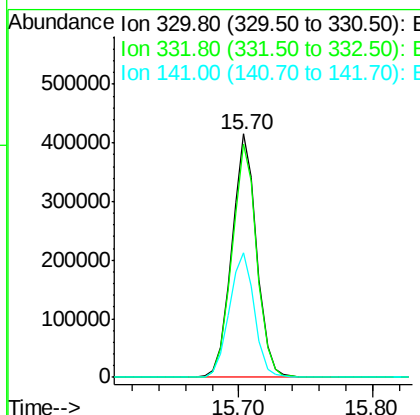
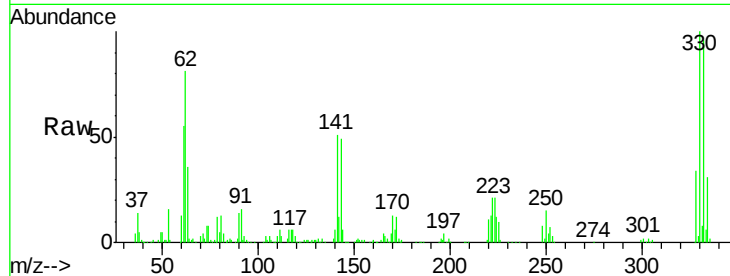
#41
 2,4,6-Tribromophenol
 Concen: 137.29 ng
 RT: 15.70 min Scan# 2162
 Delta R.T. -0.00 min
 Lab File: BM014171.D
 Acq: 07 Feb 2018 21:19

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	96.0	0.0	0.0#
141	52.0	0.0	0.0#

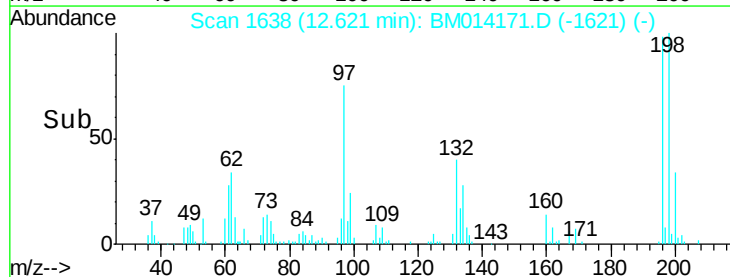
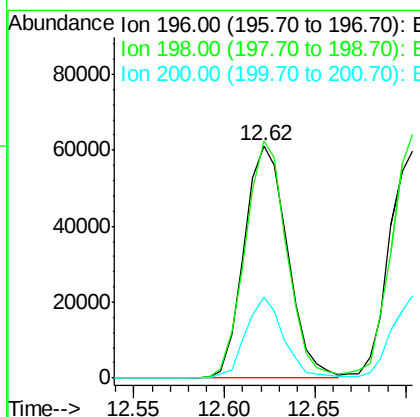
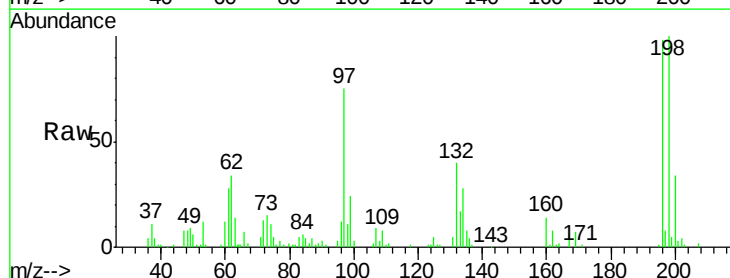
Manual Integrations
 APPROVED

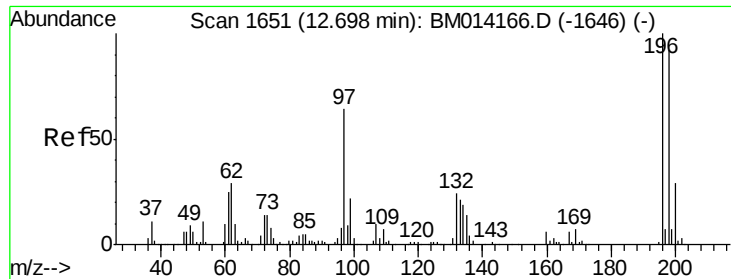
Sohil
 2/8/2018 3:50:31 PM



#42
 2,4,6-Trichlorophenol
 Concen: 17.89 ng
 RT: 12.62 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: BM014171.D
 Acq: 07 Feb 2018 21:19

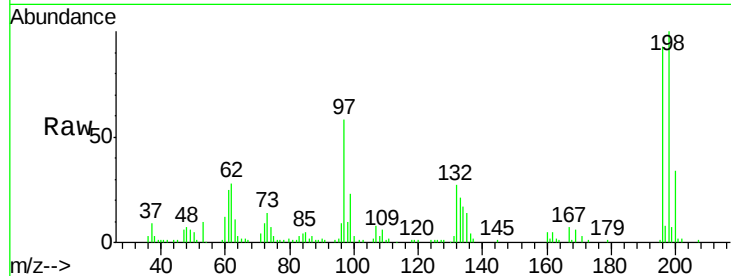
Tgt Ion	Ratio	Resp Lower	Upper
196	100		
198	102.0	76.3	114.5
200	35.0	25.6	38.4





#43
 2,4,5-Trichlorophenol
 Concen: 17.81 ng
 RT: 12.70 min Scan# 1652
 Delta R.T. 0.01 min
 Lab File: BM014171.D
 Acq: 07 Feb 2018 21:19

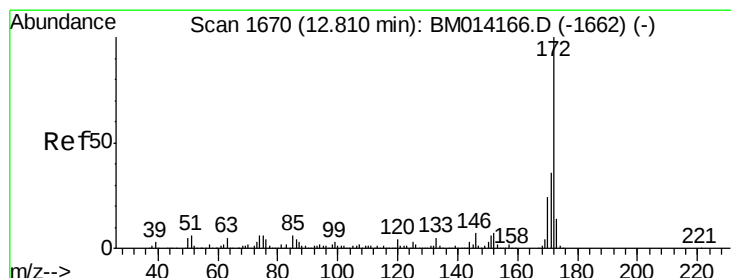
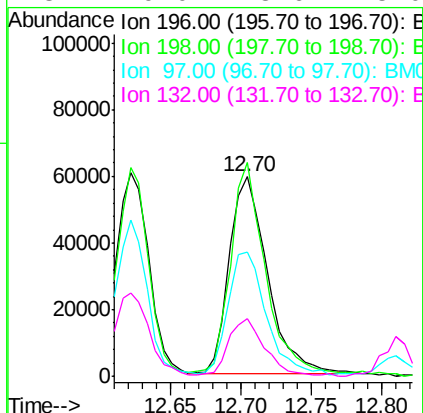
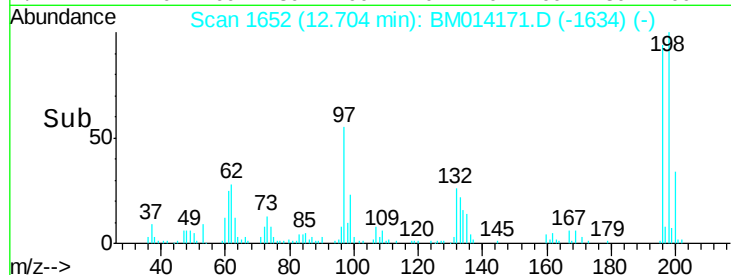
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018



Tgt Ion	Ratio	Resp	Lower	Upper
196	100	111639		
198	107.0	79.4	119.0	
97	62.1	26.8	40.2	
132	29.0	18.6	28.0	

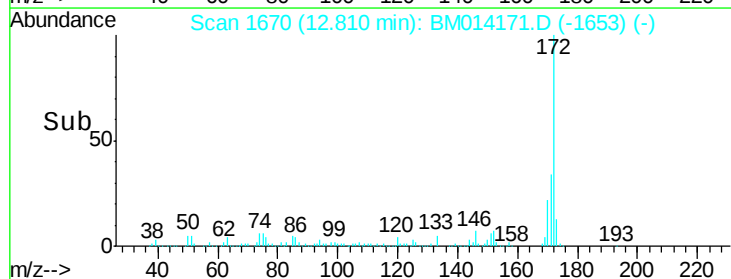
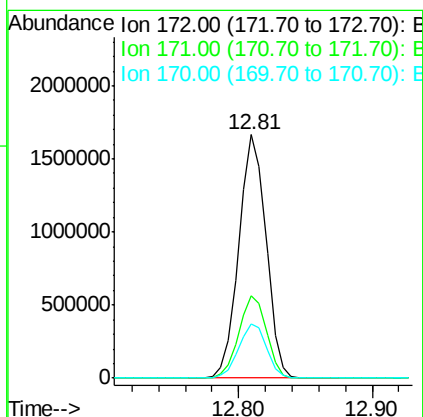
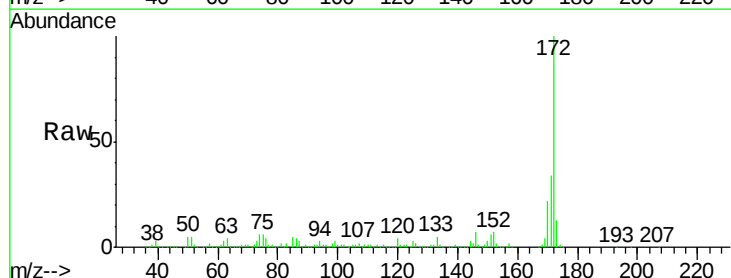
Manual Integrations
 APPROVED

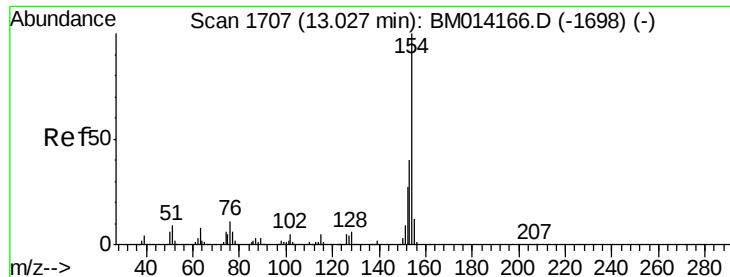
Sohil
 2/8/2018 3:50:31 PM



#44
 2-Fluorobiphenyl
 Concen: 106.71 ng
 RT: 12.81 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: BM014171.D
 Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2357329		
171	33.9	28.5	42.7	
170	22.3	18.8	28.2	





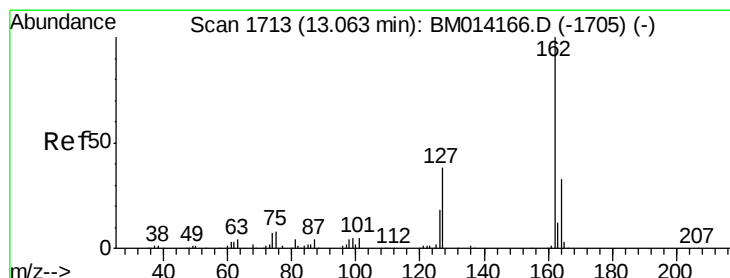
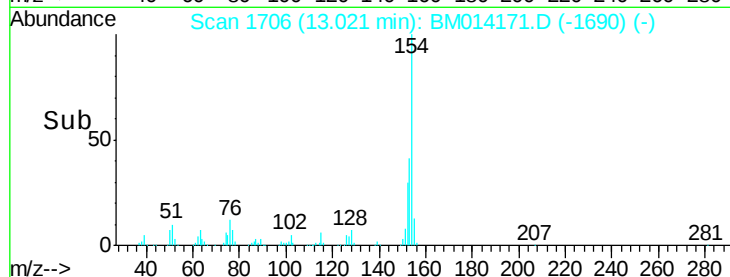
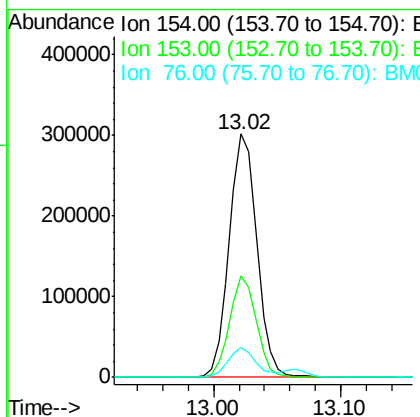
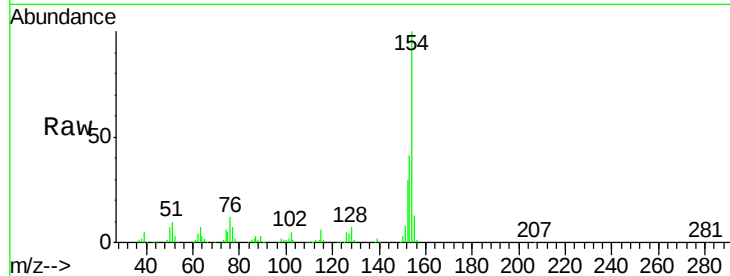
#45
 1,1'-Biphenyl
 Concen: 19.07 ng
 RT: 13.02 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: BM014171.D
 Acq: 07 Feb 2018 21:19

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	41.5	20.7	60.7	
76	12.1	0.0	30.9	

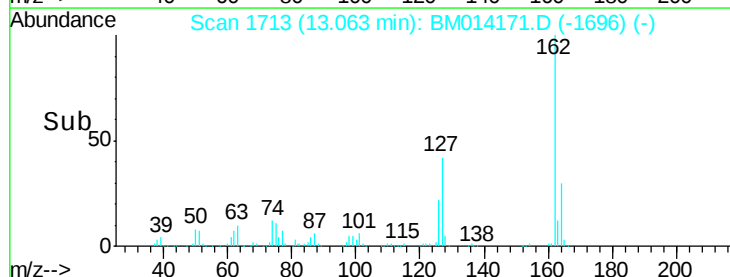
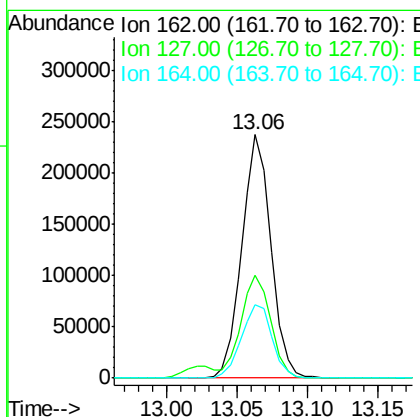
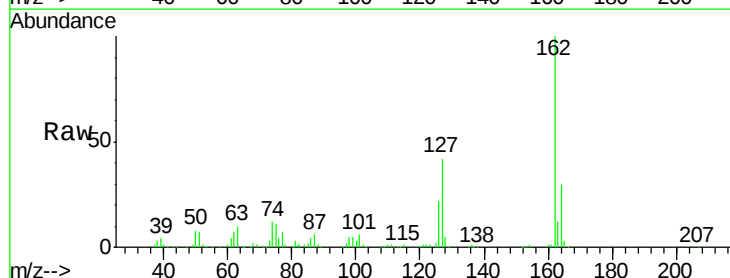
Manual Integrations
 APPROVED

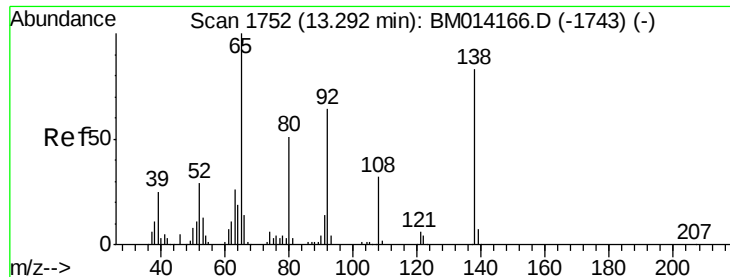
Sohil
 2/8/2018 3:50:31 PM



#46
 2-Chloronaphthalene
 Concen: 18.90 ng
 RT: 13.06 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: BM014171.D
 Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
127	42.4	26.9	40.3#	
164	30.4	26.8	40.2	





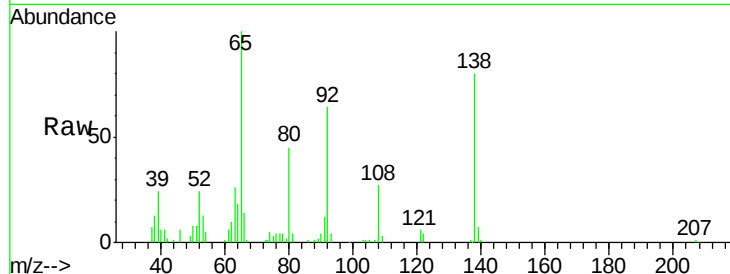
#47
2-Nitroaniline
Concen: 18.05 ng
RT: 13.29 min Scan# 1752
Delta R.T. -0.00 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2018

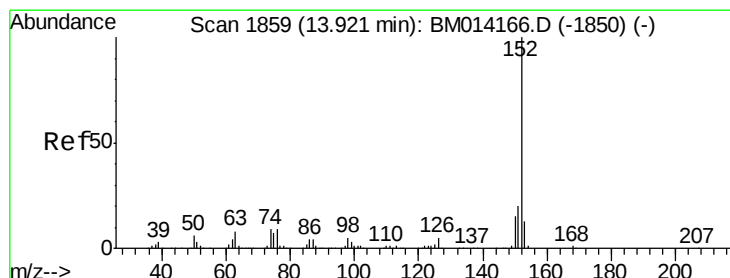
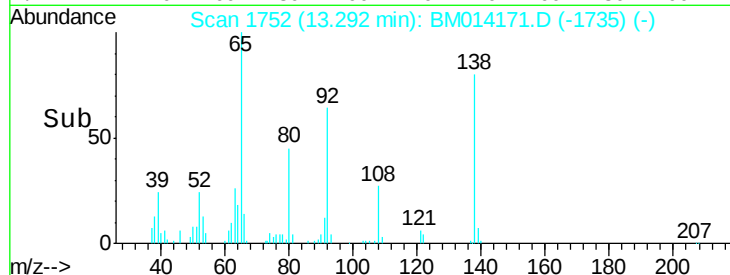
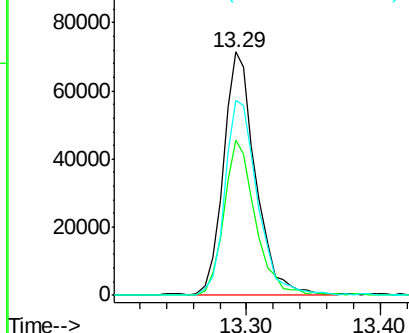
Tgt Ion	Ratio	Resp	Lower	Upper
65	100	120452		
92	63.7	59.1	88.7	
138	80.1	93.9	140.9	

Manual Integrations
APPROVED

Sohil
2/8/2018 3:50:31 PM

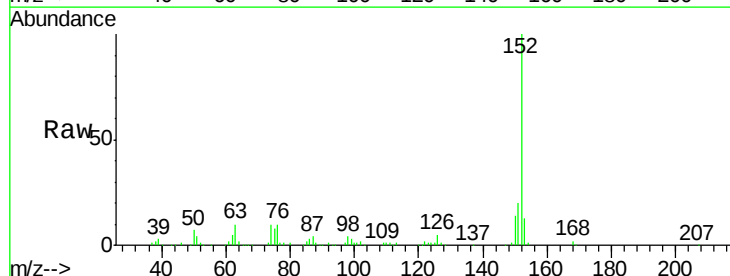


Abundance Ion 65.00 (64.70 to 65.70): BM014171.D (-1735) (-)
Ion 92.00 (91.70 to 92.70): BM014171.D (-1735) (-)
Ion 138.00 (137.70 to 138.70): BM014171.D (-1735) (-)

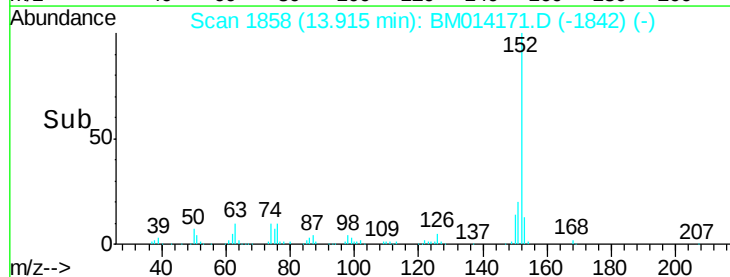
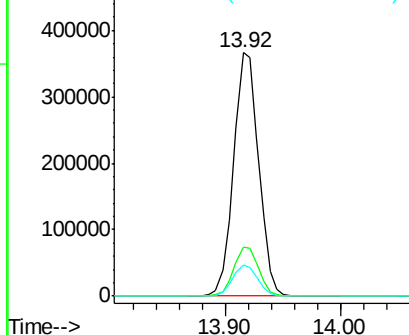


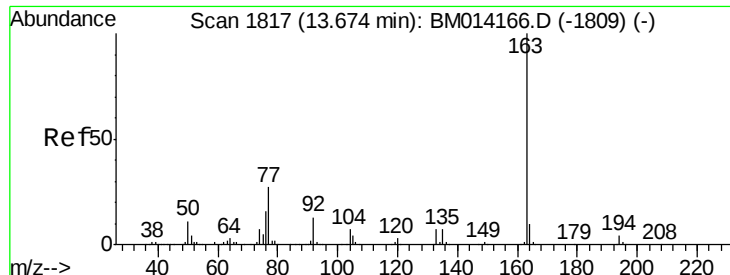
#48
Acenaphthylene
Concen: 18.48 ng
RT: 13.92 min Scan# 1858
Delta R.T. -0.01 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	549448		
151	20.3	15.9	23.9	
153	12.6	10.6	16.0	



Abundance Ion 152.00 (151.70 to 152.70): BM014171.D (-1842) (-)
Ion 151.00 (150.70 to 151.70): BM014171.D (-1842) (-)
Ion 153.00 (152.70 to 153.70): BM014171.D (-1842) (-)





#49

Dimethylphthalate

Concen: 18.97 ng

RT: 13.67 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Instrument :

BNA_M

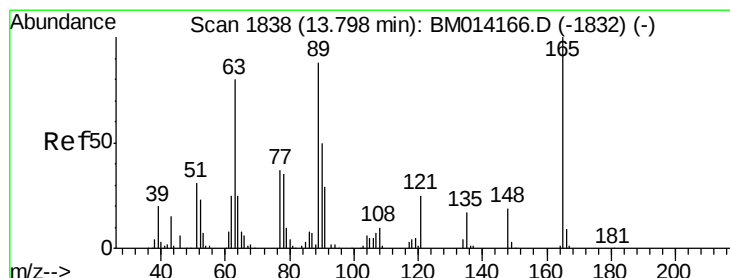
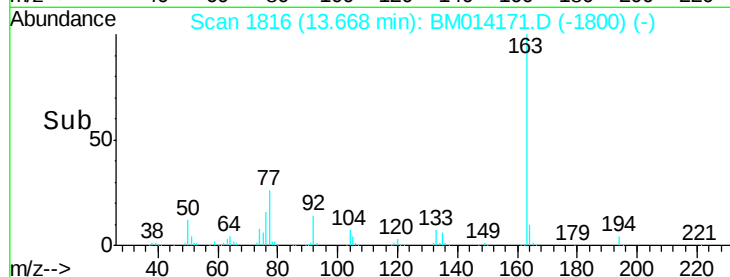
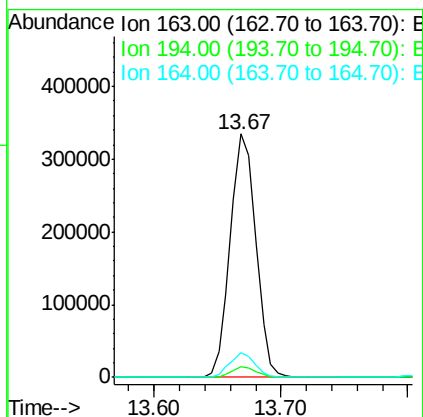
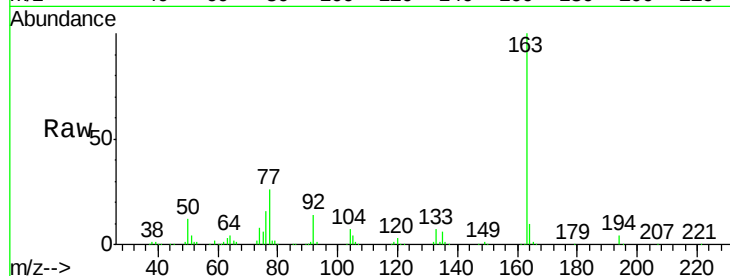
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tgt Ion:	163	Resp:	468411
Ion Ratio	Lower	Upper	
163	100		
194	4.3	2.7	4.1#
164	10.3	8.2	12.2

Manual Integrations
APPROVED

Sohil
2/8/2018 3:50:31 PM



#50

2,6-Dinitrotoluene

Concen: 18.53 ng

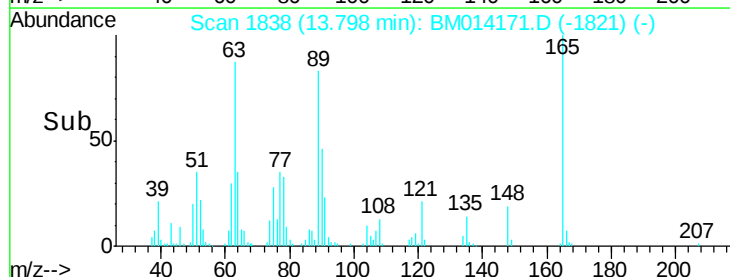
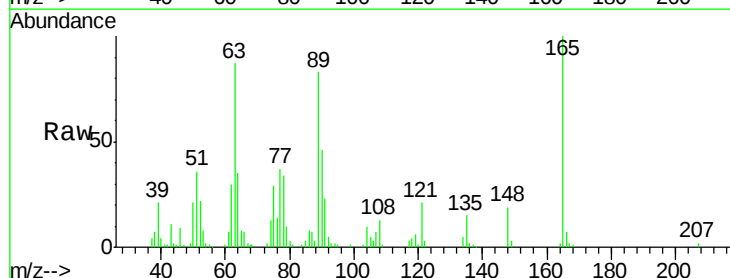
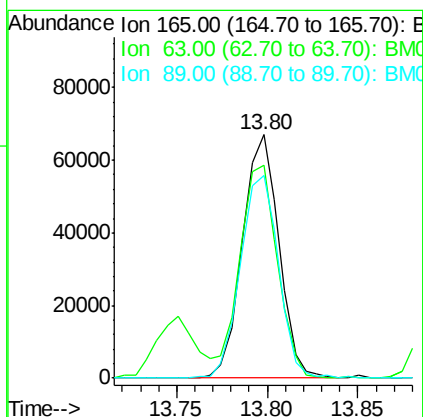
RT: 13.80 min Scan# 1838

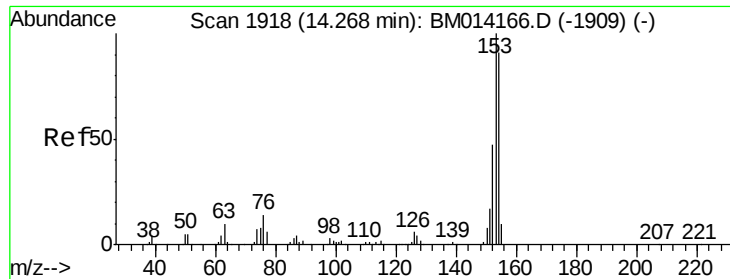
Delta R.T. -0.00 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Tgt Ion:	165	Resp:	93878
Ion Ratio	Lower	Upper	
165	100		
63	87.3	44.1	66.1#
89	83.3	44.3	66.5#





#51

Acenaphthene

Concen: 18.79 ng

RT: 14.26 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Instrument :

BNA_M

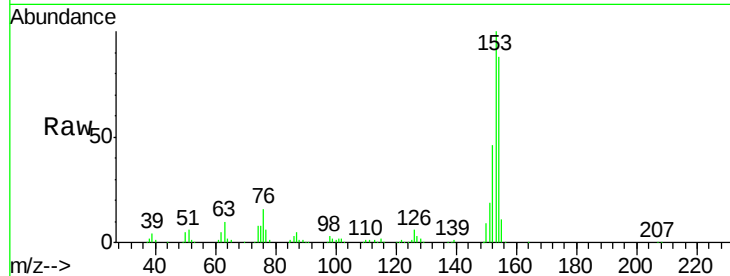
ClientSampleId :

LOQ-SOIL-02-QT1-2018

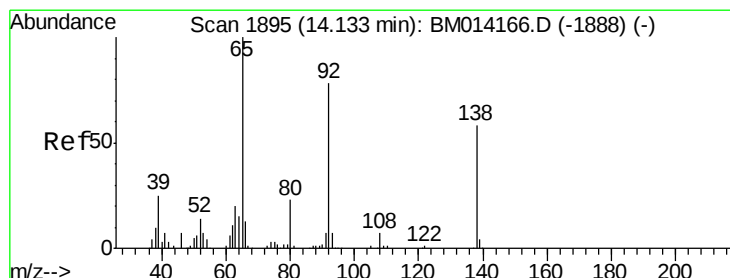
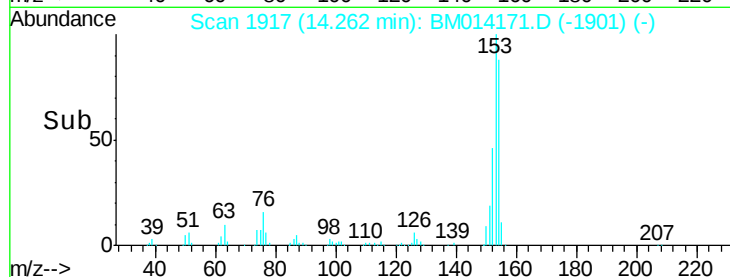
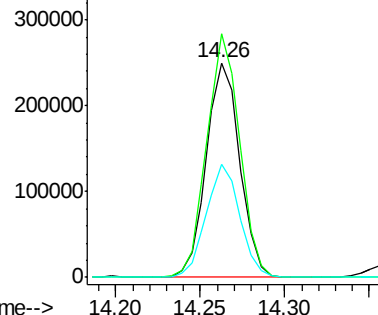
Tgt Ion:	154	Resp:	344325
Ion Ratio	Lower	Upper	
154	100		
153	113.7	90.0	135.0
152	52.8	42.6	63.8

Manual Integrations
APPROVED

Sohil
2/8/2018 3:50:31 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 18.12 ng

RT: 14.13 min Scan# 1895

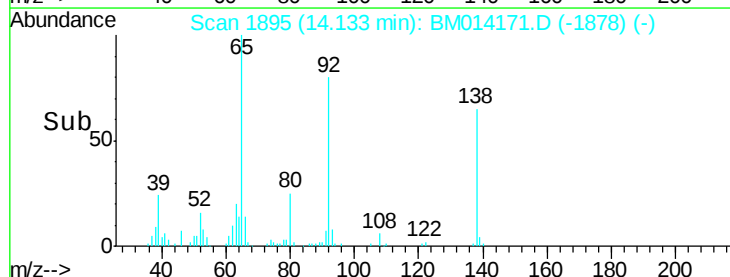
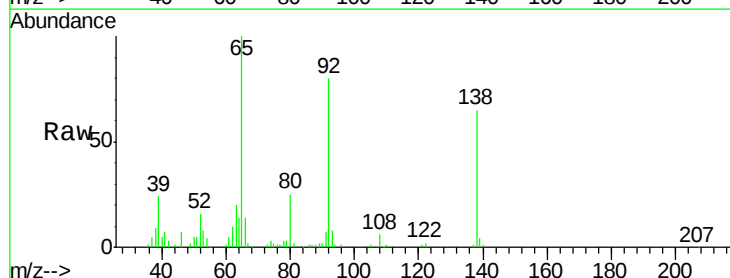
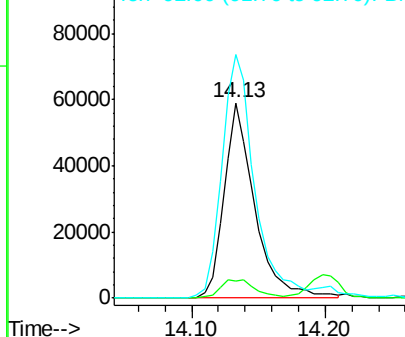
Delta R.T. -0.00 min

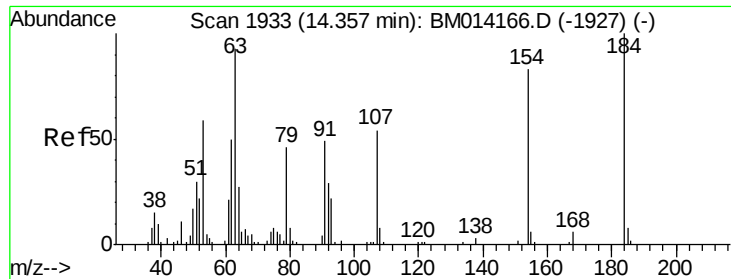
Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Tgt Ion:	138	Resp:	94953
Ion Ratio	Lower	Upper	
138	100		
108	8.7	7.3	10.9
92	124.7	76.6	114.8#

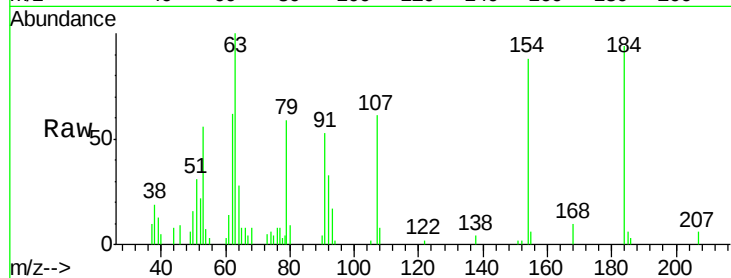
Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BM0





#53
2,4-Dinitrophenol
Concen: 17.68 ng
RT: 14.36 min Scan# 1934
Delta R.T. 0.01 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

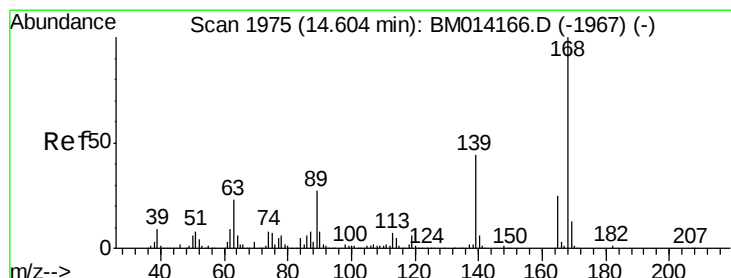
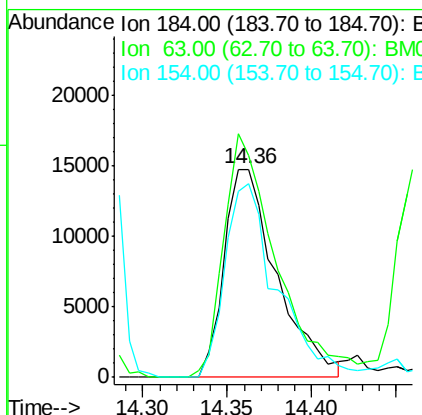
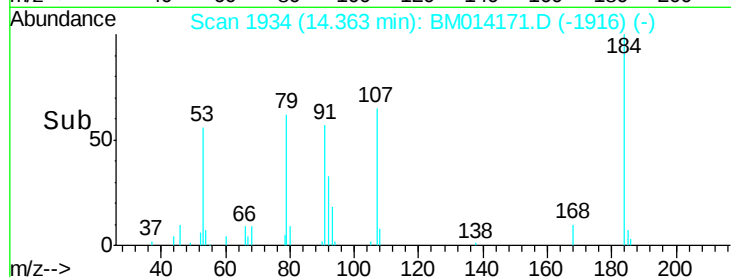
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2018



Tgt Ion:184 Resp: 31939
Ion Ratio Lower Upper
184 100
63 106.4 69.2 103.8#
154 93.3 53.3 79.9#

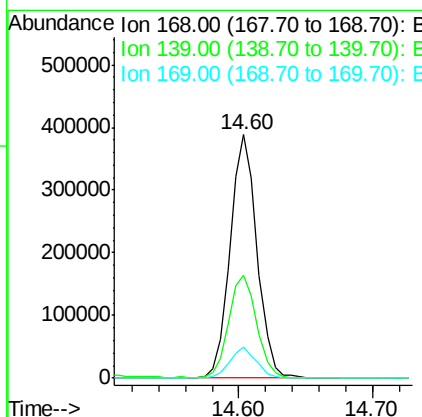
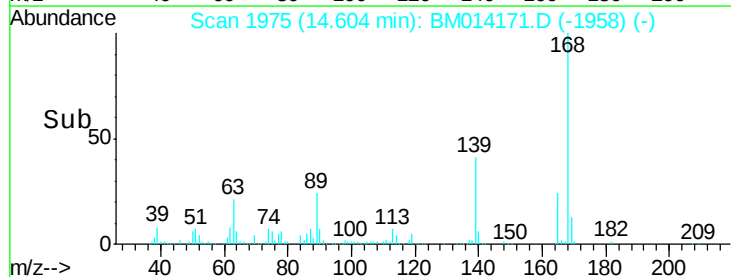
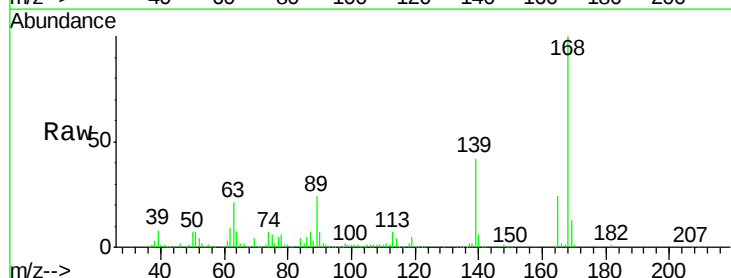
Manual Integrations
APPROVED

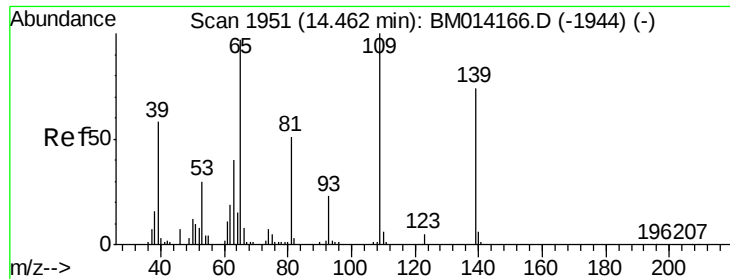
Sohil
2/8/2018 3:50:31 PM



#54
Dibenzofuran
Concen: 18.96 ng
RT: 14.60 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Tgt Ion:168 Resp: 542880
Ion Ratio Lower Upper
168 100
139 42.0 27.3 40.9#
169 13.0 10.6 16.0





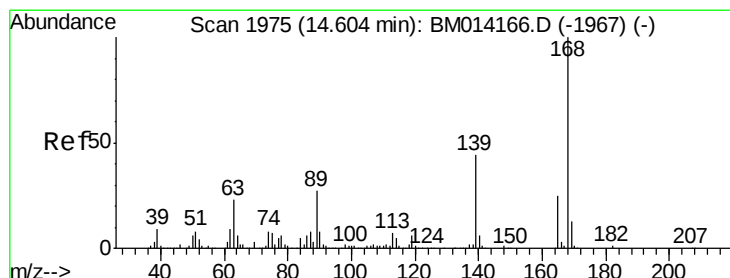
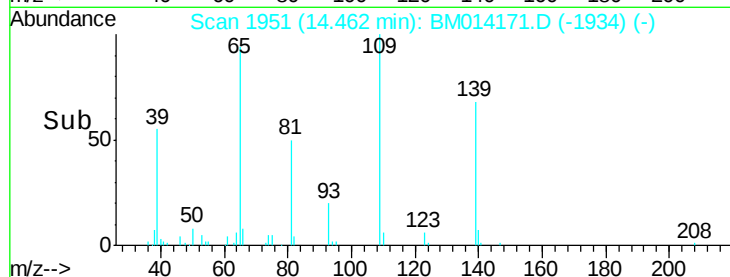
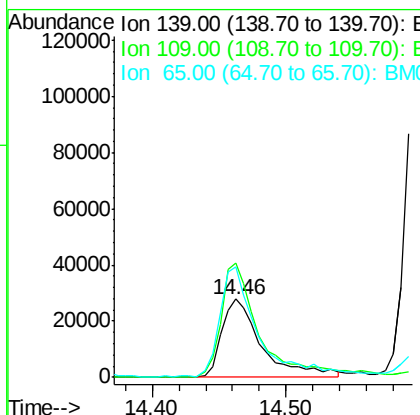
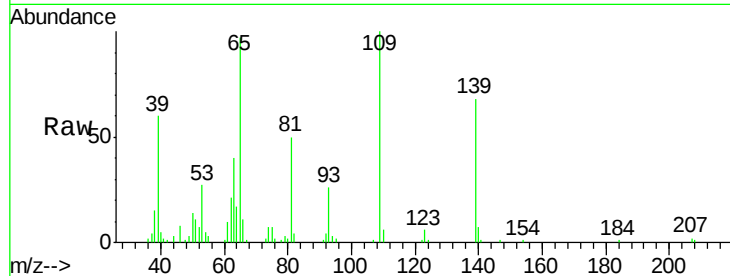
#55
4-Nitrophenol
Concen: 18.90 ng
RT: 14.46 min Scan# 1951
Delta R.T. 0.00 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	146.2	130.0	170.0	
65	141.7	130.0	170.0	

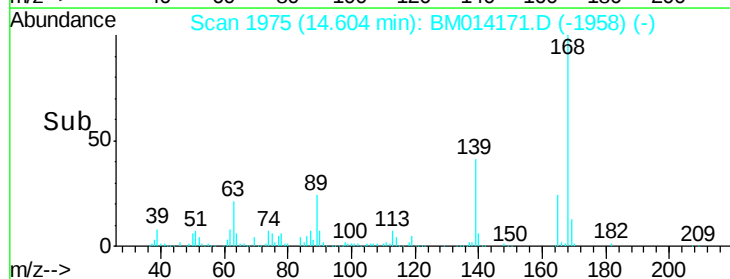
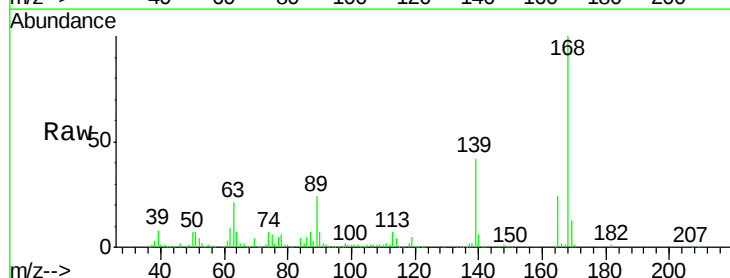
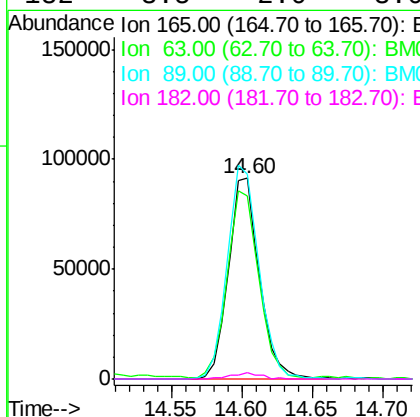
Manual Integrations
APPROVED

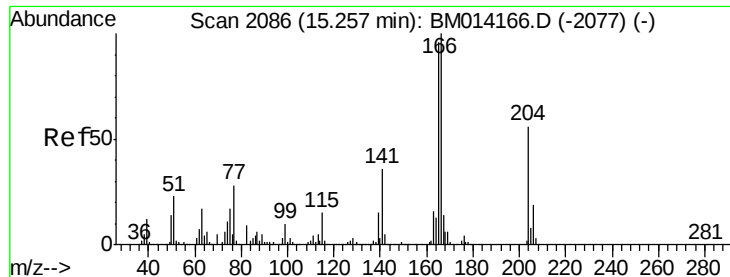
Sohil
2/8/2018 3:50:31 PM



#56
2,4-Dinitrotoluene
Concen: 17.89 ng
RT: 14.60 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	91.1	52.4	78.6#	
89	102.3	72.4	108.6	
182	3.5	2.0	3.0#	





#57

Fluorene

Concen: 18.58 ng

RT: 15.26 min Scan# 2086

Delta R.T. -0.00 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Instrument :

BNA_M

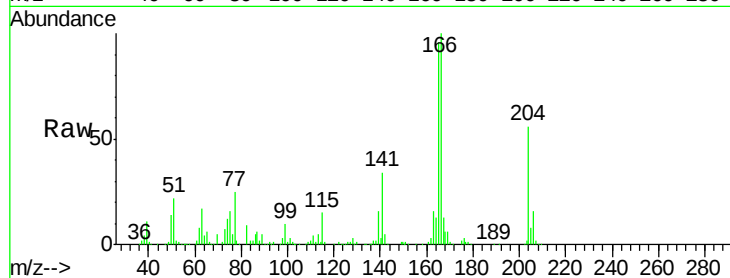
ClientSampleId :

LOQ-SOIL-02-QT1-2018

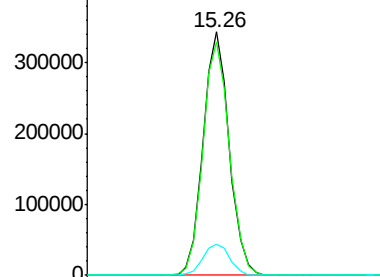
Tgt Ion:	166	Resp:	468016
Ion Ratio		Lower	Upper
166	100		
165	95.6	79.0	118.4
167	13.0	10.3	15.5

Manual Integrations
APPROVED

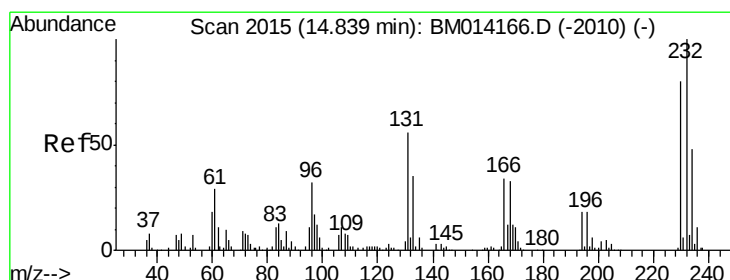
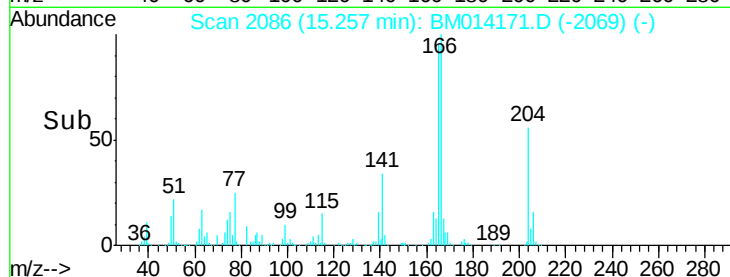
Sohil
2/8/2018 3:50:31 PM



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



Time-->



#58

2,3,4,6-Tetrachlorophenol

Concen: 17.67 ng

RT: 14.84 min Scan# 2015

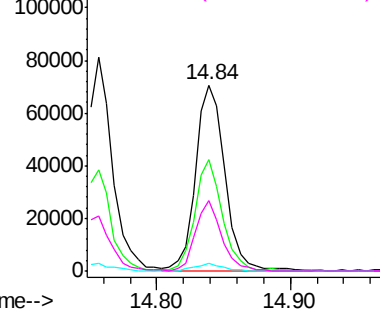
Delta R.T. -0.00 min

Lab File: BM014171.D

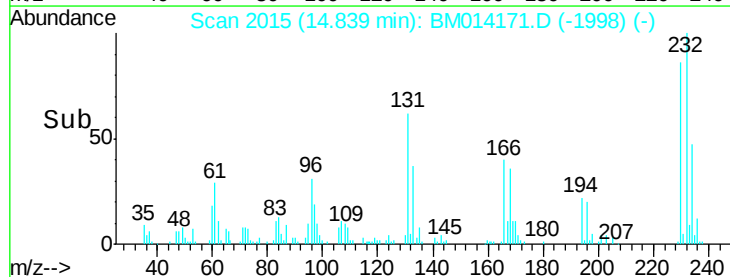
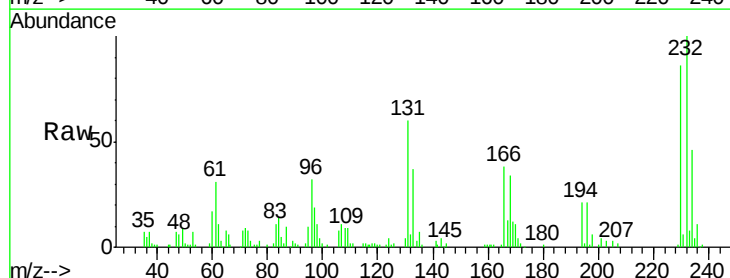
Acq: 07 Feb 2018 21:19

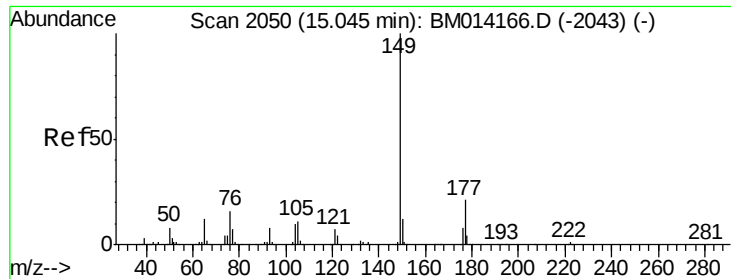
Tgt Ion:	232	Resp:	109103
Ion Ratio		Lower	Upper
232	100		
131	56.5	0.0	0.0#
130	3.8	0.0	0.0#
166	33.6	0.0	0.0#

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



Time-->





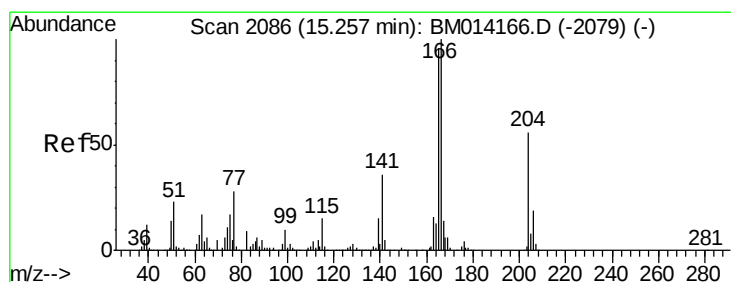
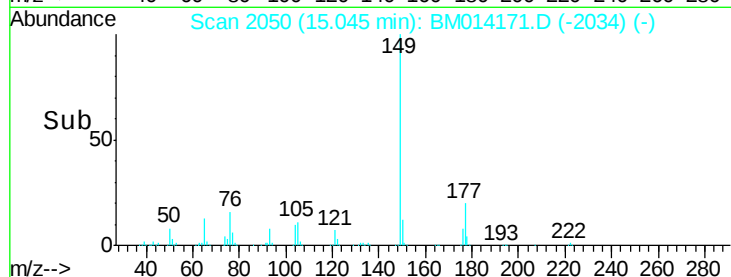
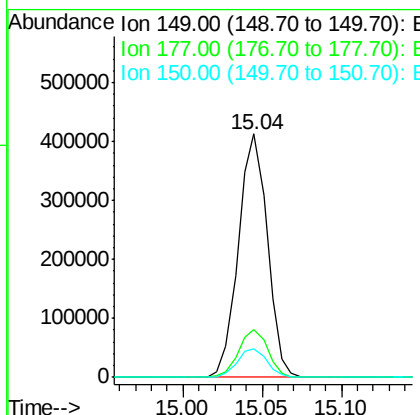
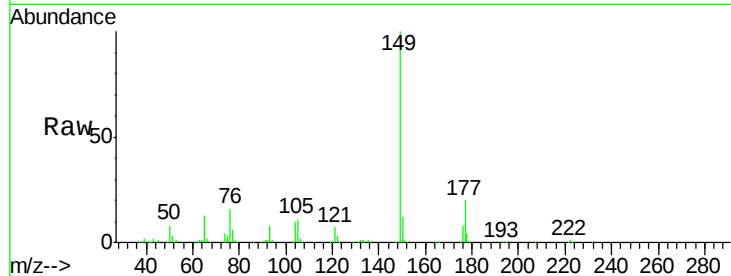
#59
Diethylphthalate
Concen: 19.06 ng
RT: 15.04 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	522240		
177	19.9	18.3	27.5	
150	11.8	9.8	14.8	

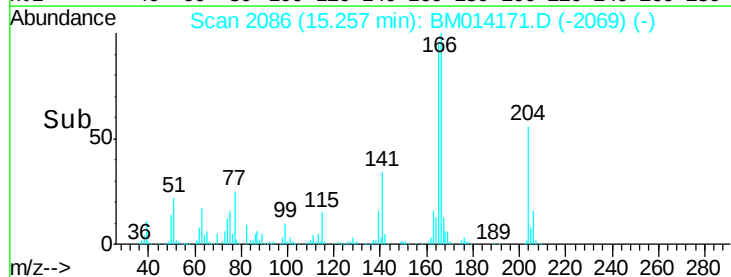
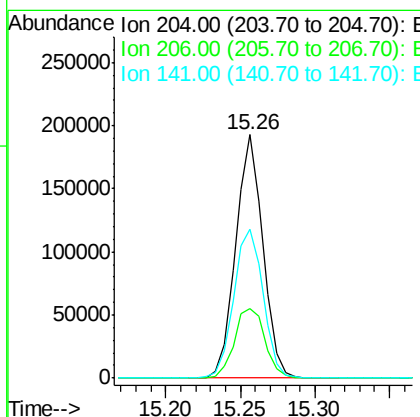
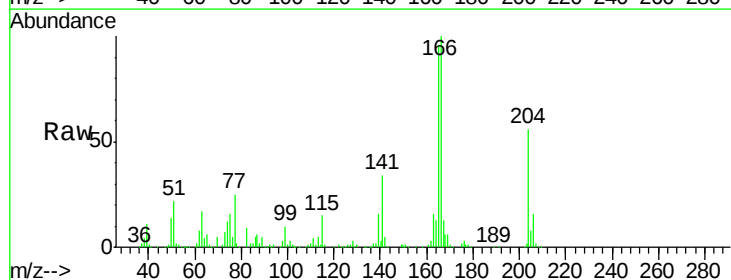
Manual Integrations
APPROVED

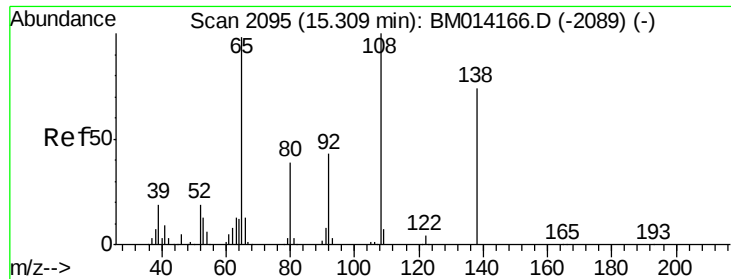
Sohil
2/8/2018 3:50:31 PM



#60
4-Chlorophenyl-phenylether
Concen: 18.69 ng
RT: 15.26 min Scan# 2086
Delta R.T. -0.00 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	244746		
206	28.8	26.6	39.8	
141	61.3	45.2	67.8	





#61

4-Nitroaniline

Concen: 17.36 ng

RT: 15.30 min Scan# 2094

Delta R.T. -0.01 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tgt Ion: 138 Resp: 91048
Ion Ratio Lower Upper

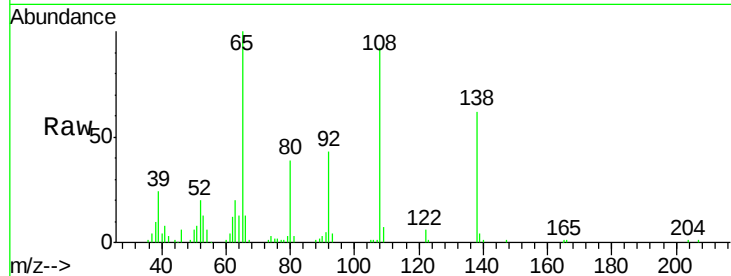
138 100

92 69.4 16.7 56.7#

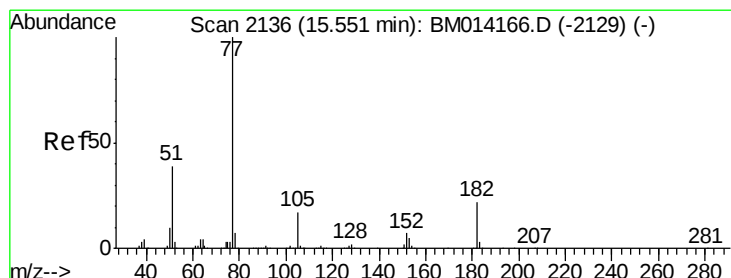
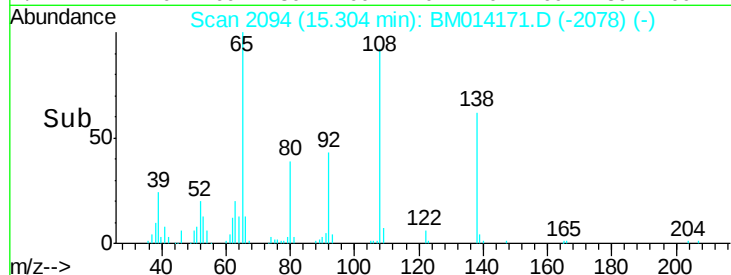
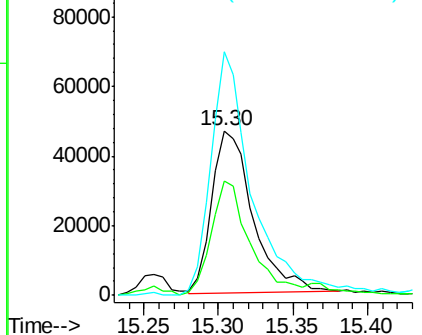
108 148.1 37.6 77.6#

Manual Integrations
APPROVED

Sohil
2/8/2018 3:50:31 PM



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM0
Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 19.09 ng

RT: 15.55 min Scan# 2136

Delta R.T. -0.00 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

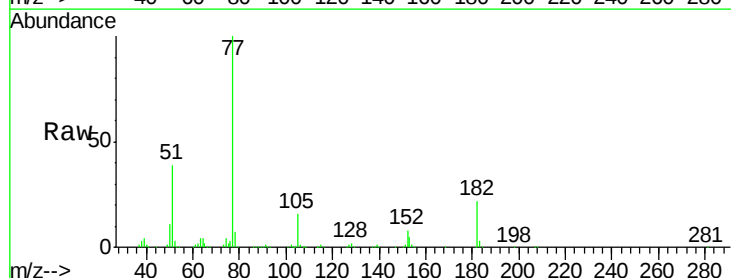
Tgt Ion: 77 Resp: 543416
Ion Ratio Lower Upper

77 100

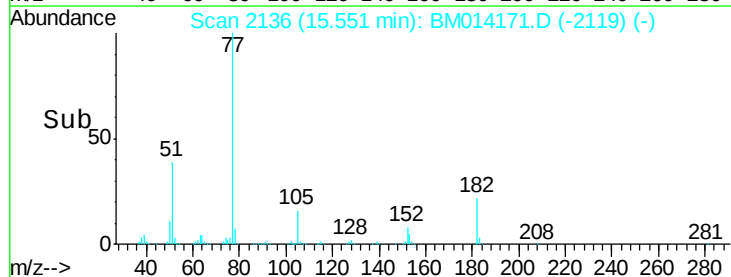
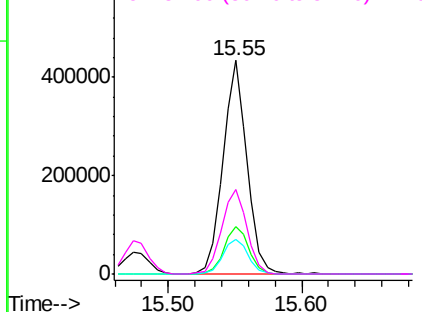
182 22.3 6.5 46.5

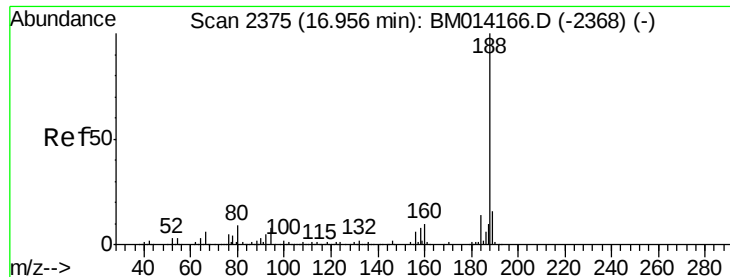
105 16.4 3.8 43.8

51 39.4 5.5 45.5



Abundance Ion 77.00 (76.70 to 77.70): BM0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BM0





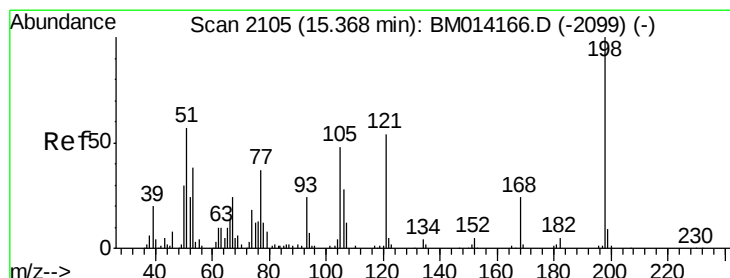
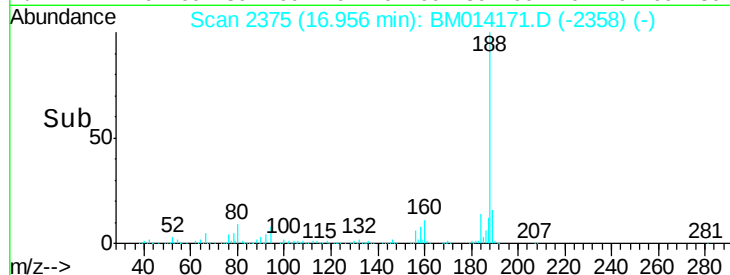
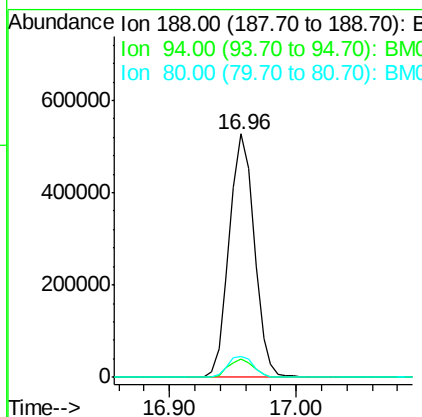
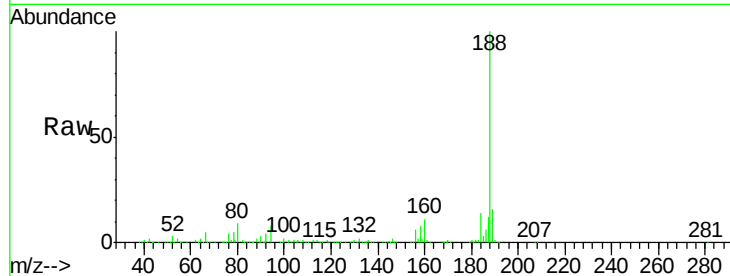
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.96 min Scan# 2375
Delta R.T. -0.00 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.5	8.7	13.1#
80	8.8	9.3	13.9#

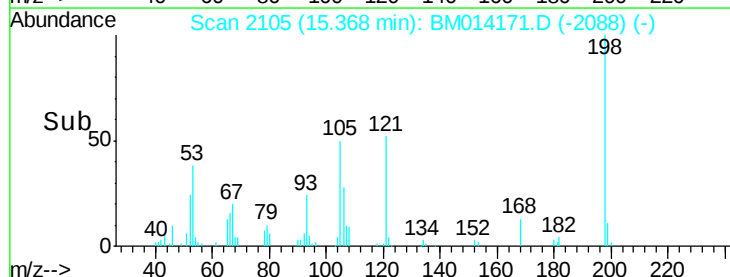
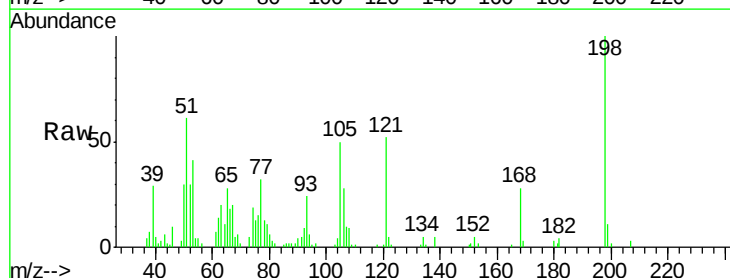
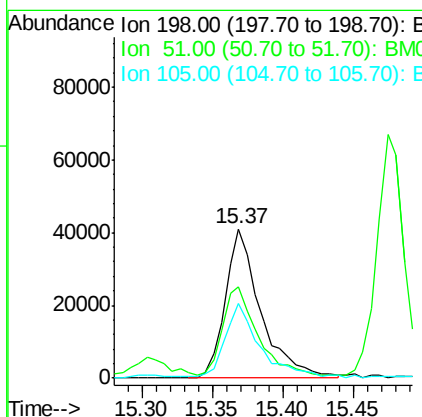
Manual Integrations
APPROVED

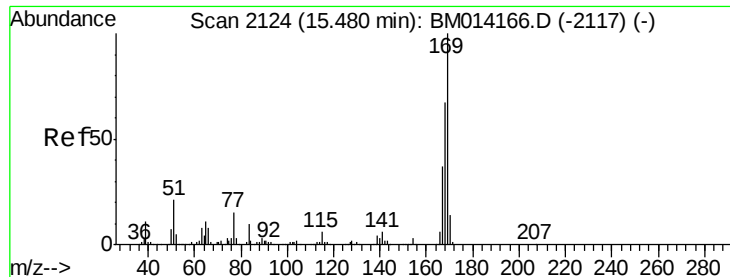
Sohil
2/8/2018 3:50:31 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 18.33 ng
RT: 15.37 min Scan# 2105
Delta R.T. 0.00 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	61.3	28.8	68.8
105	49.9	30.5	70.5





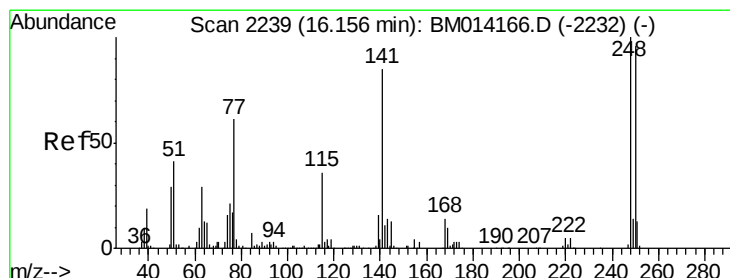
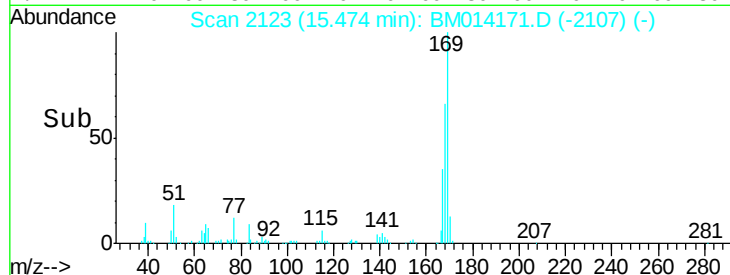
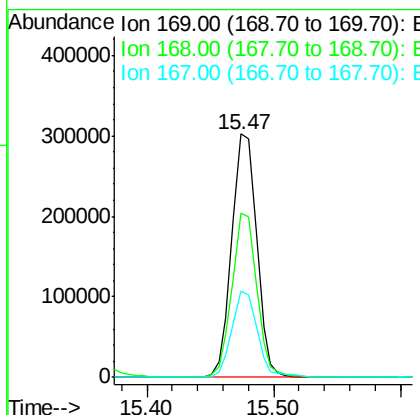
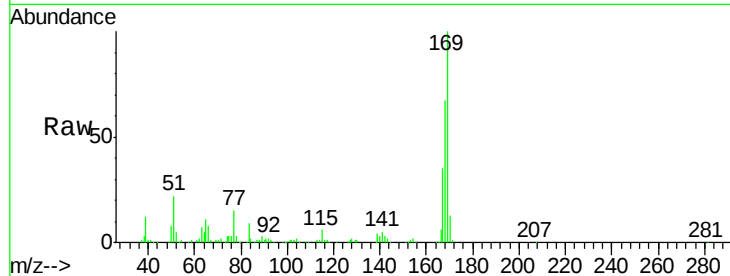
#65
n-Nitrosodiphenylamine
Concen: 18.06 ng
RT: 15.47 min Scan# 2123
Delta R.T. -0.01 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	411920		
168	67.3	53.9	80.9	
167	35.4	28.9	43.3	

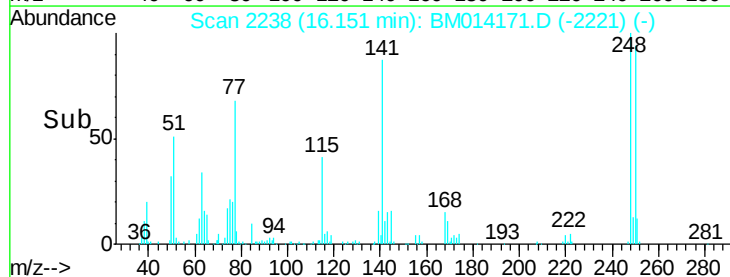
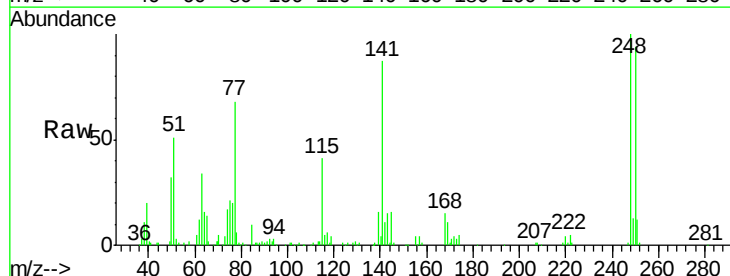
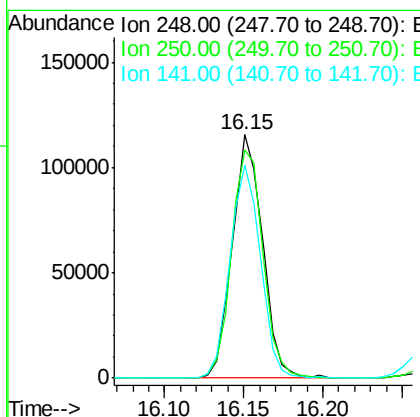
Manual Integrations
APPROVED

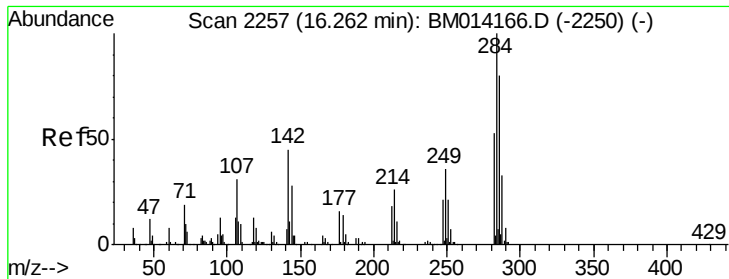
Sohil
2/8/2018 3:50:31 PM



#66
4-Bromophenyl-phenylether
Concen: 18.12 ng
RT: 16.15 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	153436		
250	93.9	77.4	116.0	
141	87.5	45.2	67.8#	





#67

Hexachlorobenzene

Concen: 18.02 ng

RT: 16.26 min Scan# 2257

Delta R.T. -0.00 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Instrument :

BNA_M

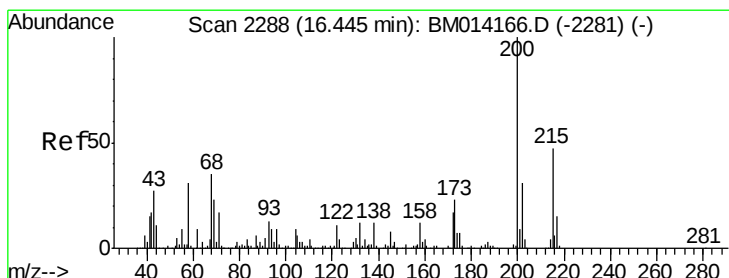
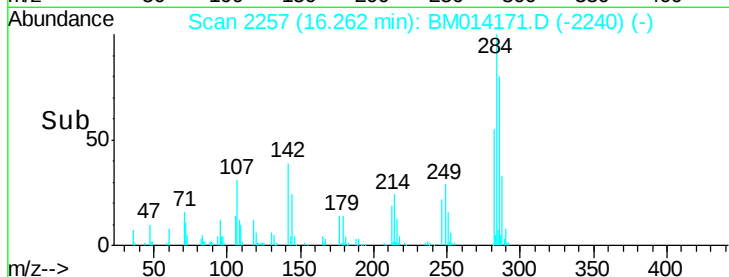
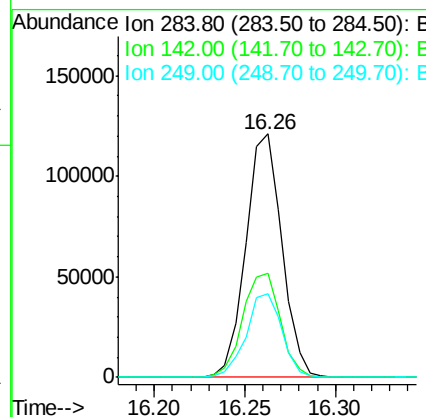
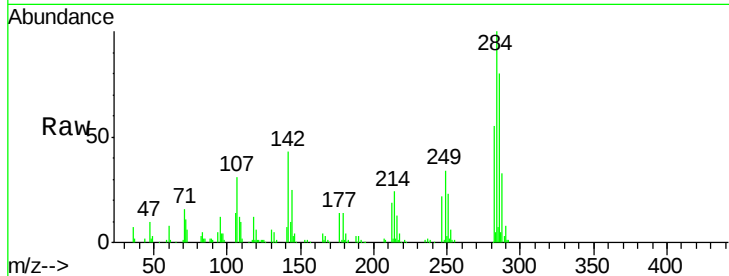
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tgt Ion:	284	Resp:	167572
Ion Ratio		Lower	Upper
284	100		
142	43.0	20.4	30.6#
249	34.2	23.8	35.6

Manual Integrations
APPROVED

Sohil
2/8/2018 3:50:31 PM



#68

Atrazine

Concen: 14.70 ng

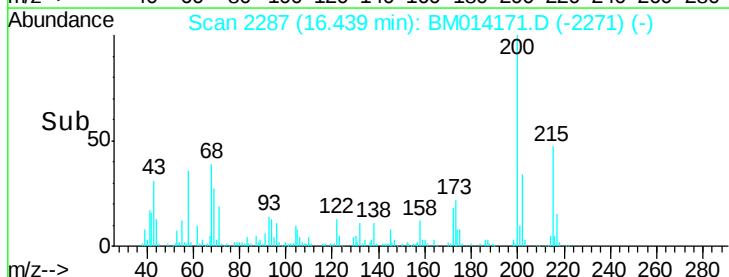
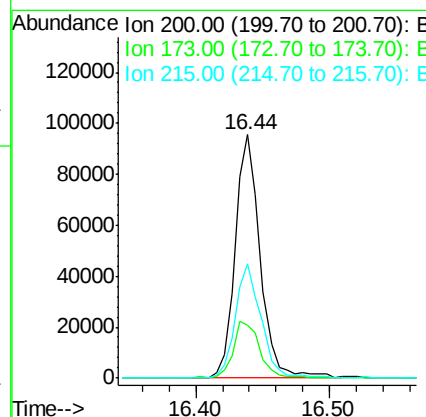
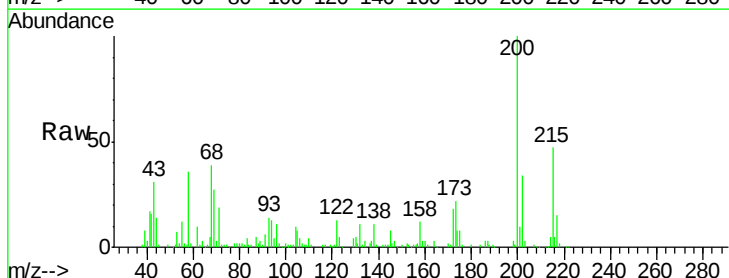
RT: 16.44 min Scan# 2287

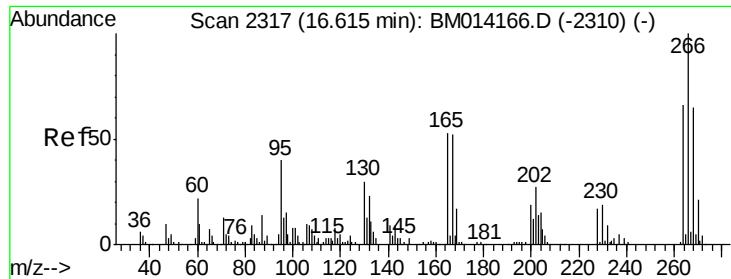
Delta R.T. -0.01 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Tgt Ion:	200	Resp:	125745
Ion Ratio		Lower	Upper
200	100		
173	21.7	4.8	44.8
215	47.2	26.9	66.9





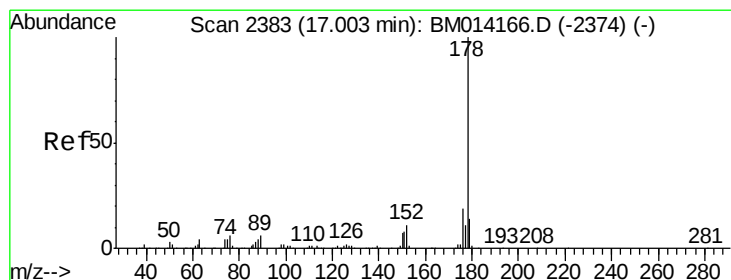
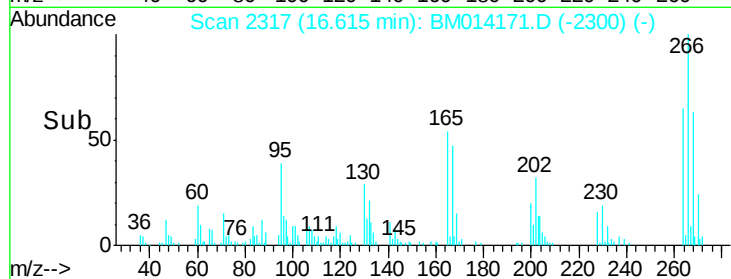
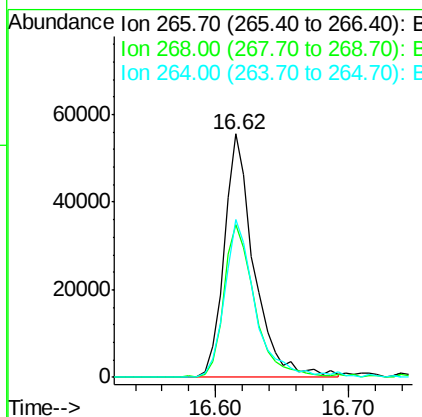
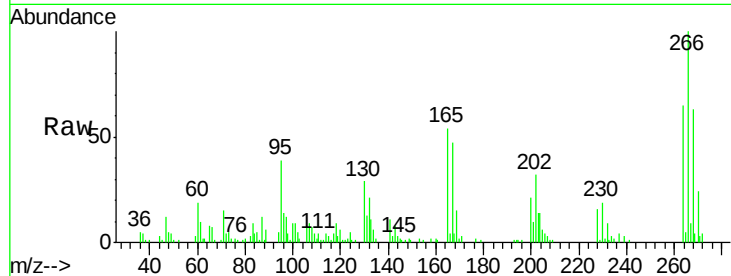
#69
 Pentachlorophenol
 Concen: 18.59 ng
 RT: 16.62 min Scan# 2317
 Delta R.T. 0.00 min
 Lab File: BM014171.D
 Acq: 07 Feb 2018 21:19

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	87051		
268	62.7		52.0	78.0
264	64.8		49.0	73.4

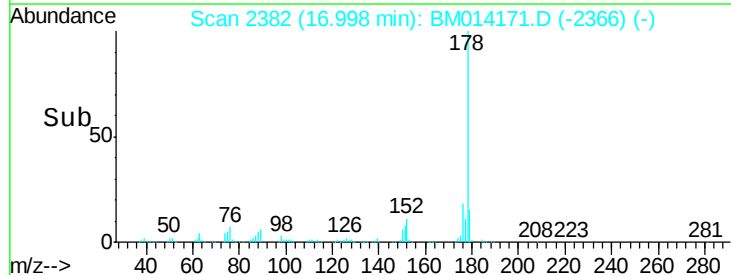
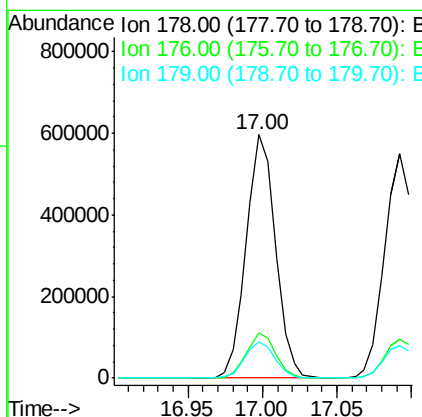
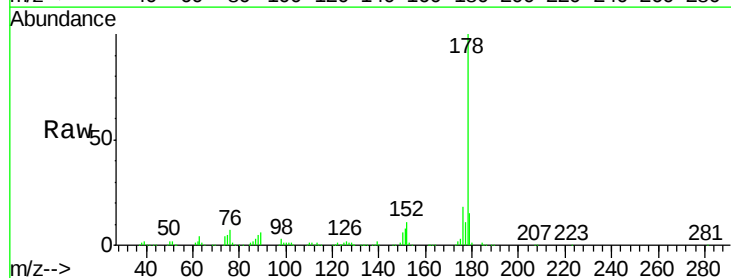
Manual Integrations
 APPROVED

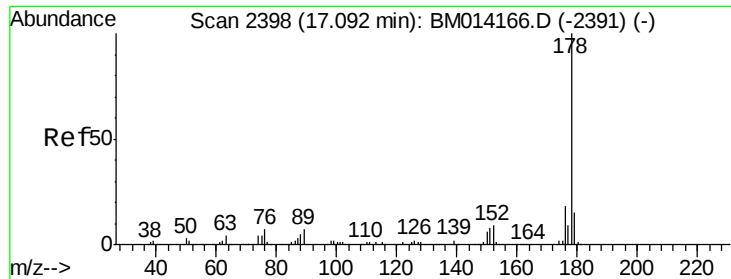
Sohil
 2/8/2018 3:50:31 PM



#70
 Phenanthrene
 Concen: 18.57 ng
 RT: 17.00 min Scan# 2382
 Delta R.T. -0.01 min
 Lab File: BM014171.D
 Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	809263		
176	18.3		15.2	22.8
179	14.9		12.1	18.1





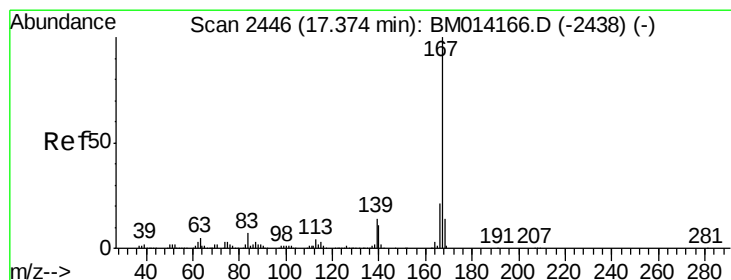
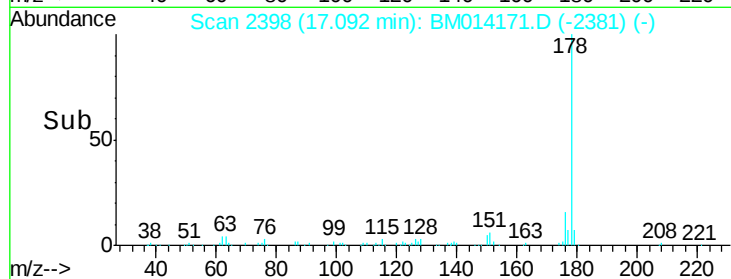
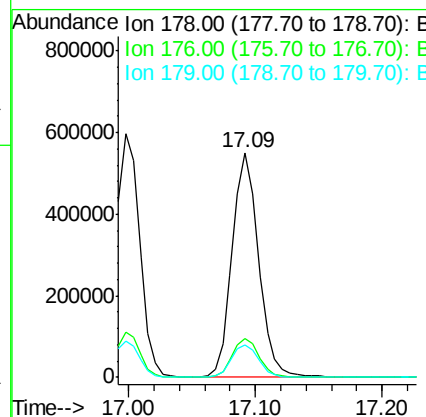
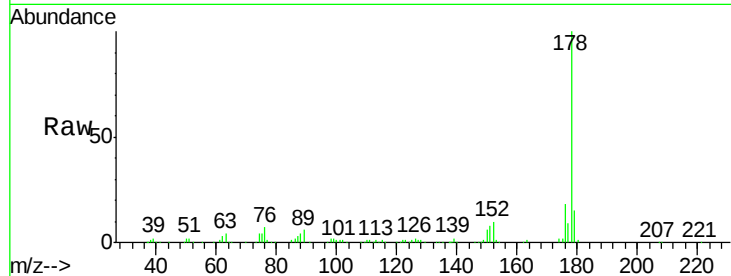
#71
 Anthracene
 Concen: 18.54 ng
 RT: 17.09 min Scan# 2398
 Delta R.T. -0.00 min
 Lab File: BM014171.D
 Acq: 07 Feb 2018 21:19

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	14.6	22.0
179	14.5	12.6	19.0

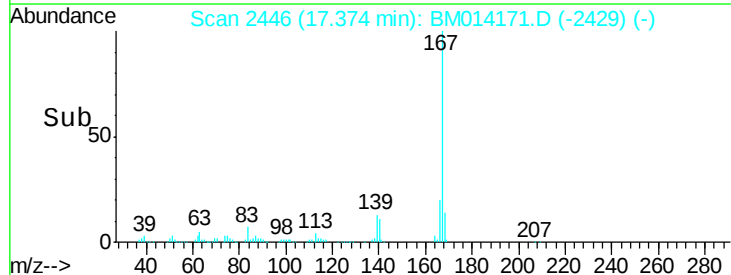
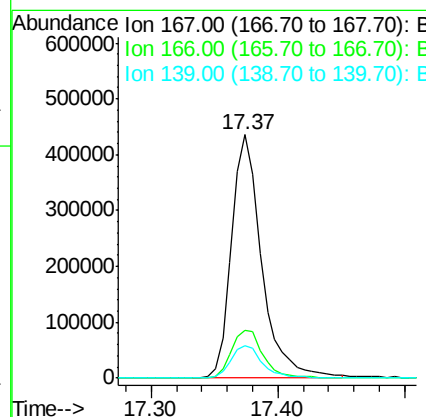
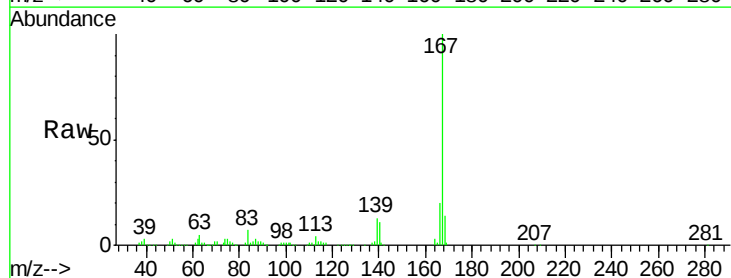
Manual Integrations
 APPROVED

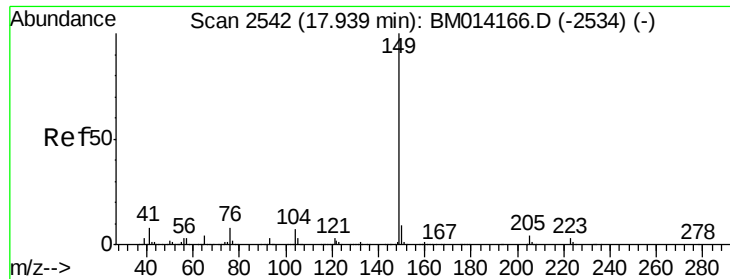
Sohil
 2/8/2018 3:50:31 PM



#72
 Carbazole
 Concen: 17.96 ng
 RT: 17.37 min Scan# 2446
 Delta R.T. -0.00 min
 Lab File: BM014171.D
 Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Lower	Upper
167	100		
166	19.8	17.2	25.8
139	13.4	10.8	16.2





#73

Di-n-butylphthalate

Concen: 18.56 ng

RT: 17.93 min Scan# 2541

Delta R.T. -0.01 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Instrument :

BNA_M

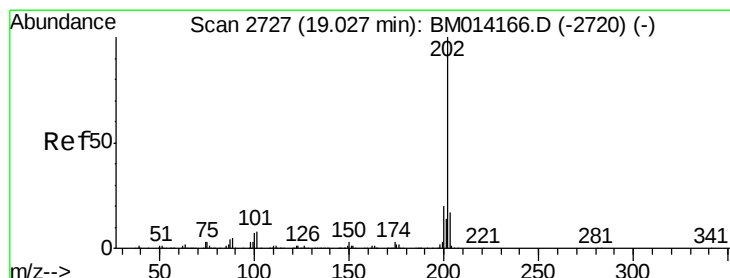
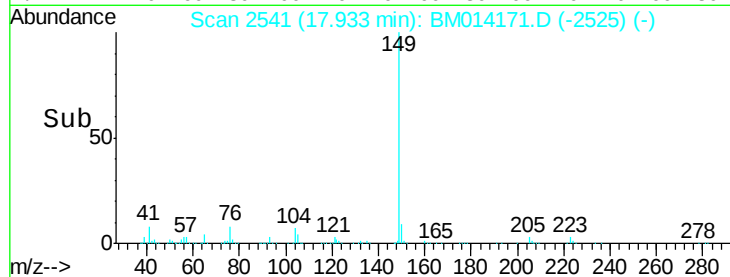
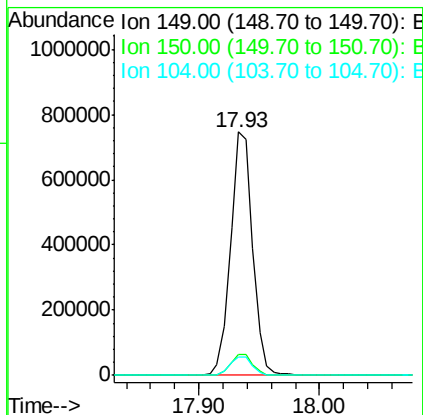
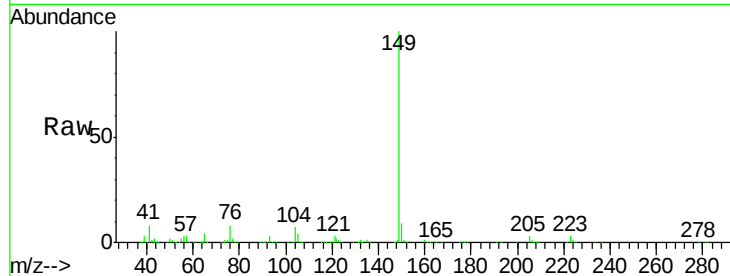
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tgt Ion:	149	Resp:	948328
Ion Ratio	Lower	Upper	
149	100		
150	8.7	7.5	11.3
104	7.3	3.7	5.5

Manual Integrations
APPROVED

Sohil
2/8/2018 3:50:31 PM



#74

Fluoranthene

Concen: 18.93 ng

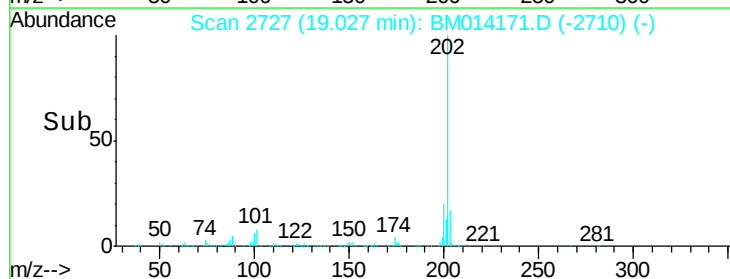
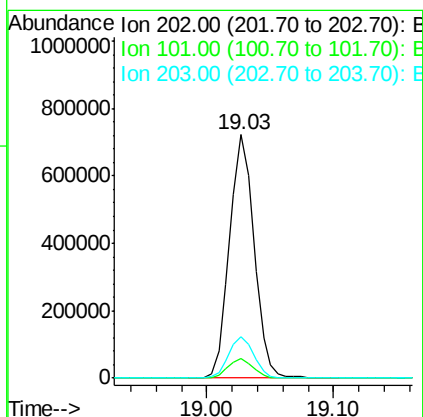
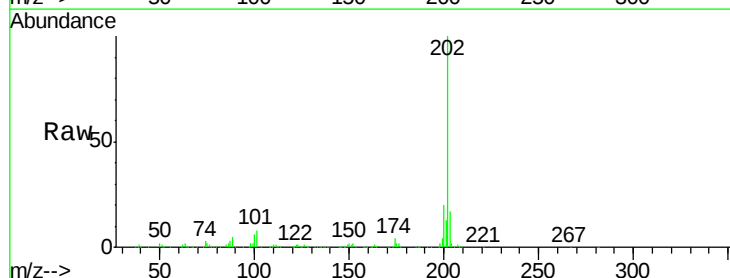
RT: 19.03 min Scan# 2727

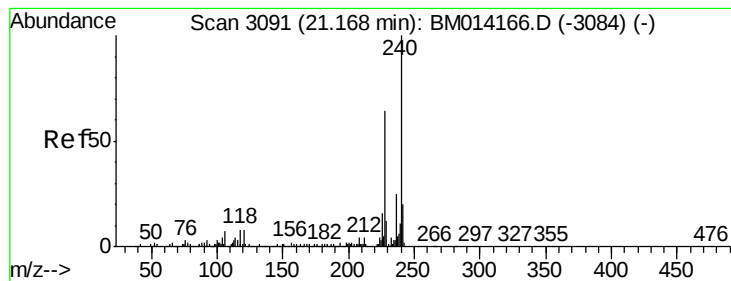
Delta R.T. -0.00 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Tgt Ion:	202	Resp:	971087
Ion Ratio	Lower	Upper	
202	100		
101	8.2	0.0	28.7
203	17.0	0.0	37.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.17 min Scan# 3091

Delta R.T. -0.00 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Instrument :

BNA_M

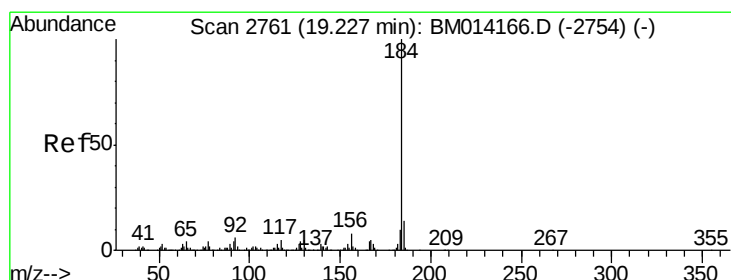
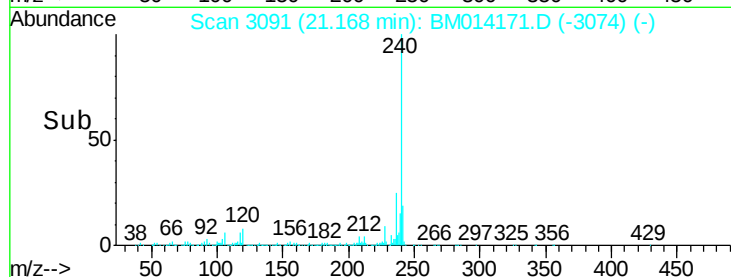
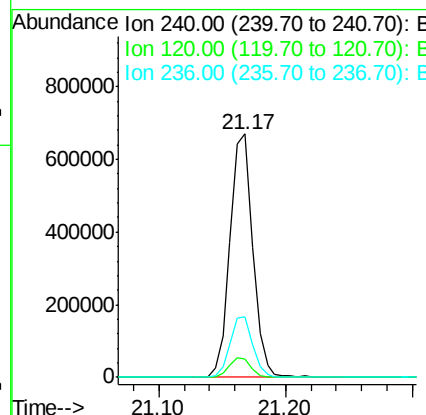
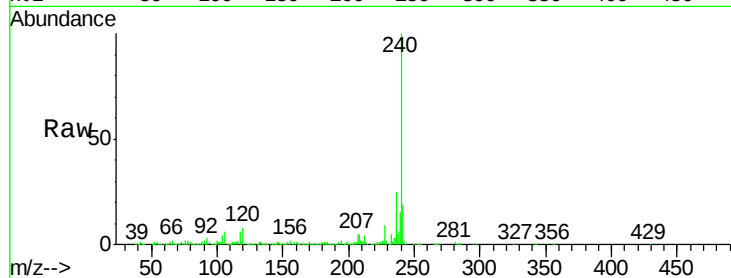
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	835066		
120	7.5	8.2	12.2#	
236	24.6	20.0	30.0	

Manual Integrations
APPROVED

Sohil
2/8/2018 3:50:31 PM



#76

Benzidine

Concen: 10.13 ng m

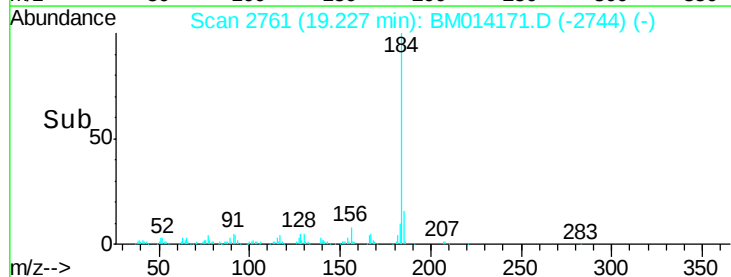
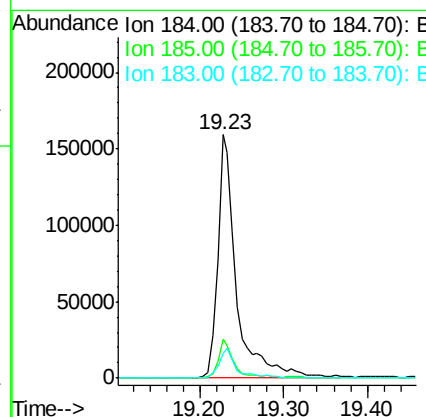
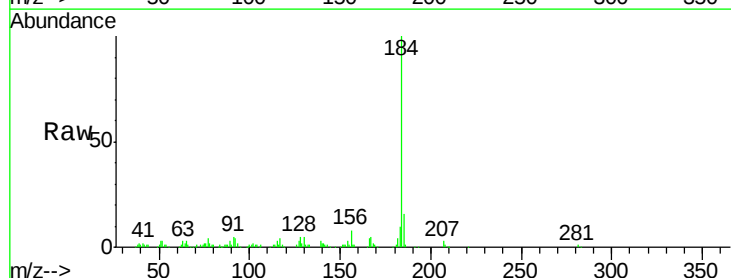
RT: 19.23 min Scan# 2761

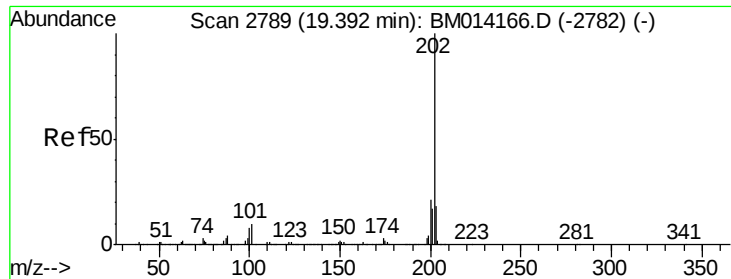
Delta R.T. -0.00 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	251908		
185	15.9	11.3	16.9	
183	10.3	8.9	13.3	





#77

Pyrene

Concen: 17.53 ng

RT: 19.39 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Instrument :

BNA_M

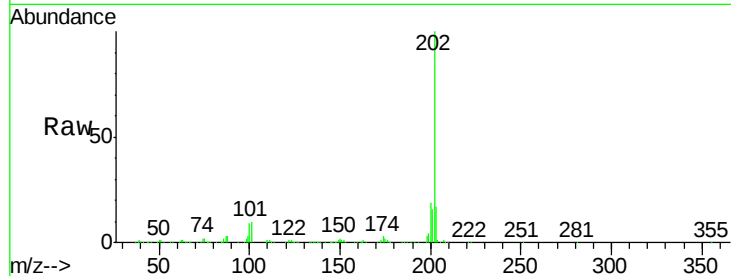
ClientSampleId :

LOQ-SOIL-02-QT1-2018

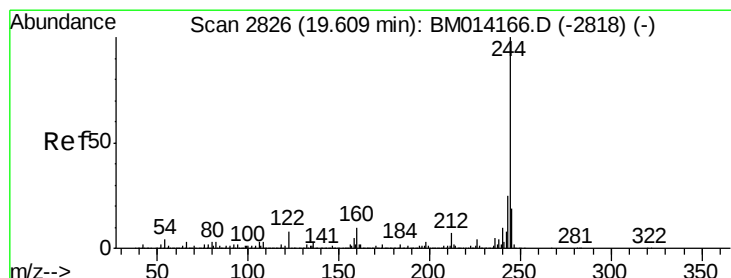
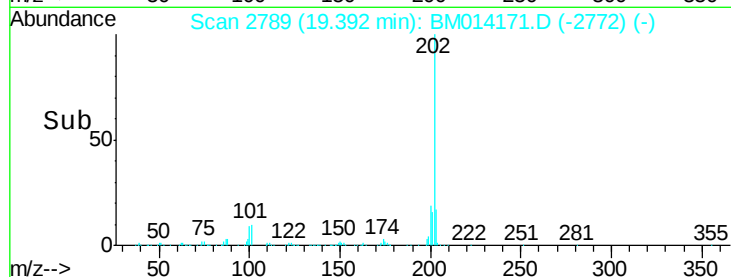
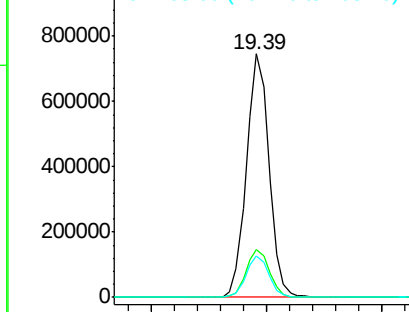
Tgt Ion:	202	Resp:	1017044
Ion Ratio	Lower	Upper	
202	100		
200	19.4	16.9	25.3
203	17.1	14.1	21.1

Manual Integrations
APPROVED

Sohil
2/8/2018 3:50:31 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 102.48 ng

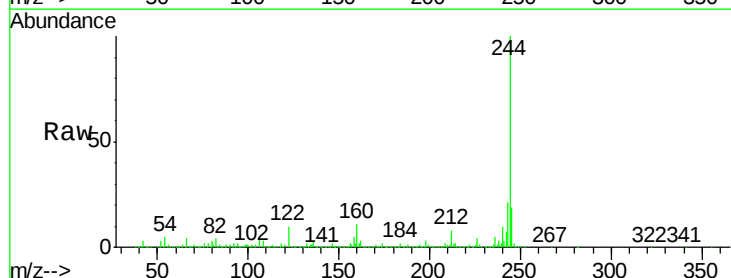
RT: 19.60 min Scan# 2825

Delta R.T. -0.00 min

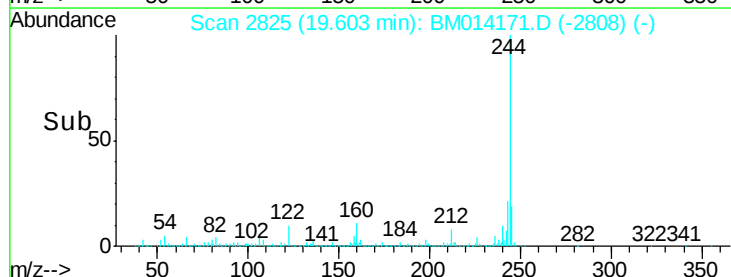
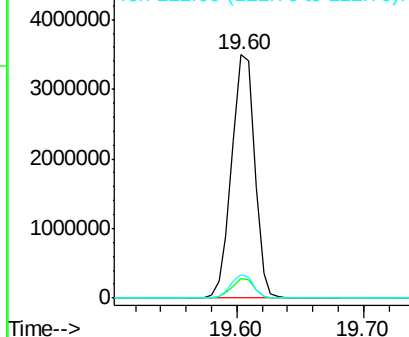
Lab File: BM014171.D

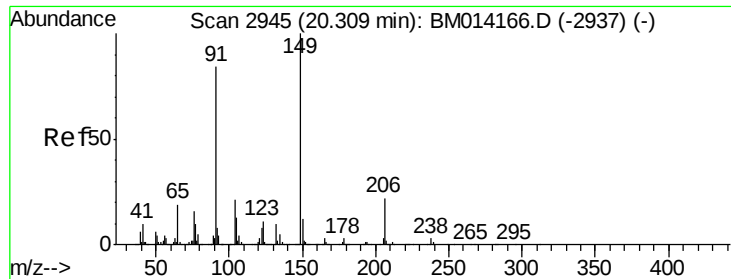
Acq: 07 Feb 2018 21:19

Tgt Ion:	244	Resp:	4379863
Ion Ratio	Lower	Upper	
244	100		
212	8.1	4.9	7.3#
122	9.9	6.2	9.4#



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





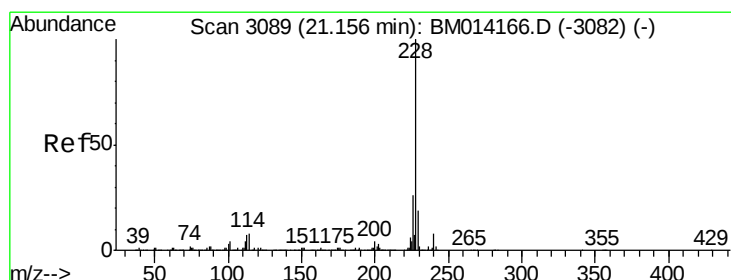
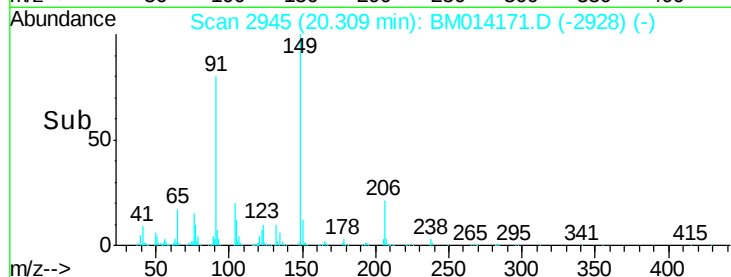
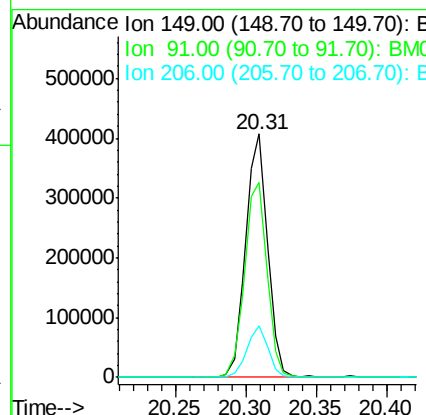
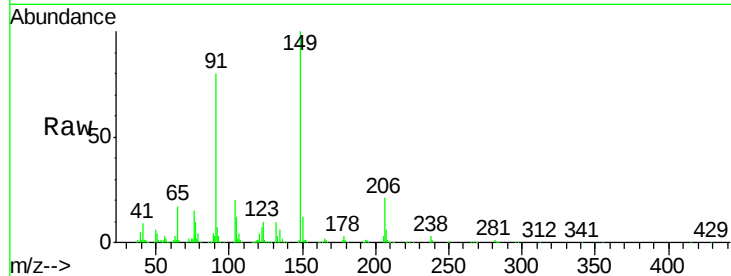
#79
Butylbenzylphthalate
Concen: 16.97 ng
RT: 20.31 min Scan# 2945
Delta R.T. -0.00 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	443281		
91	80.1	50.1	75.1#	
206	21.1	16.2	24.2	

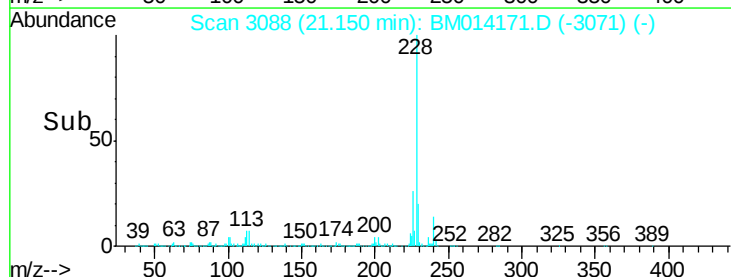
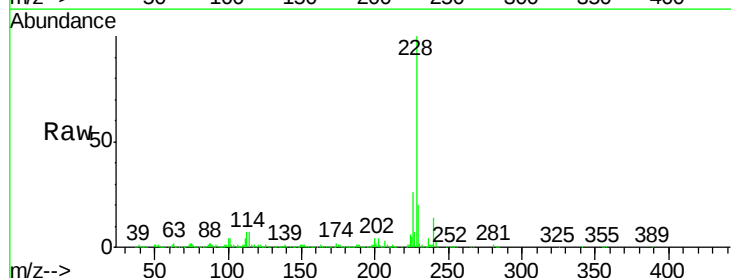
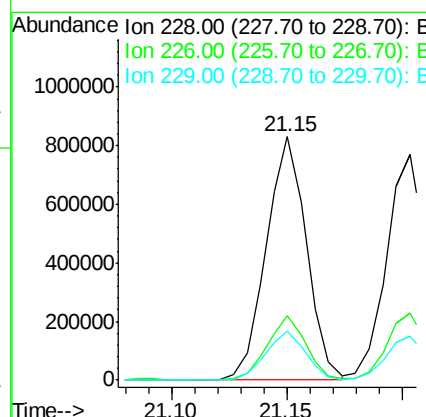
Manual Integrations
APPROVED

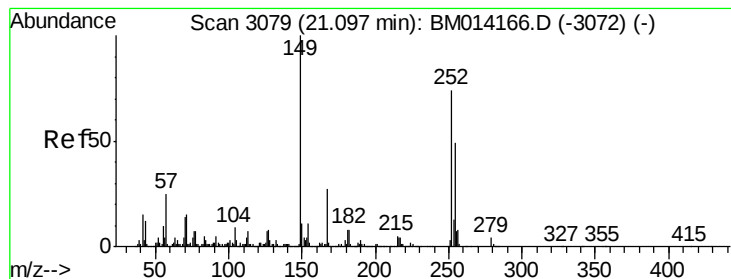
Sohil
2/8/2018 3:50:31 PM



#80
Benzo(a)anthracene
Concen: 18.44 ng
RT: 21.15 min Scan# 3088
Delta R.T. -0.00 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1000644		
226	26.4	21.7	32.5	
229	20.4	16.0	24.0	





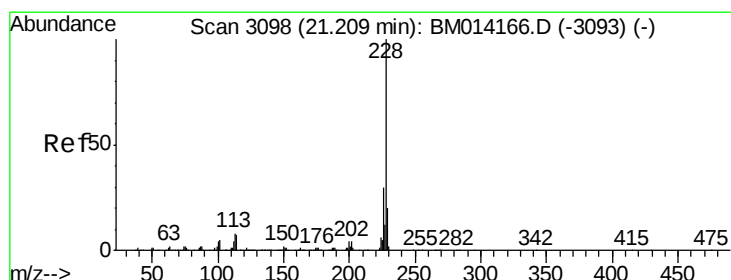
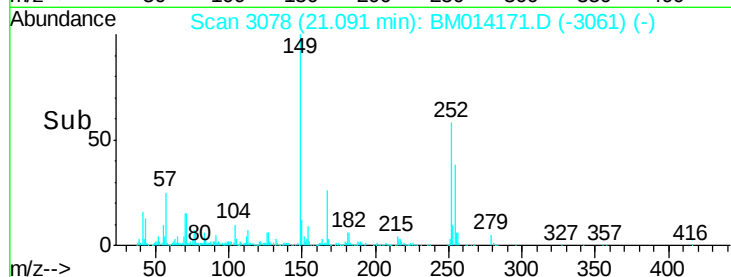
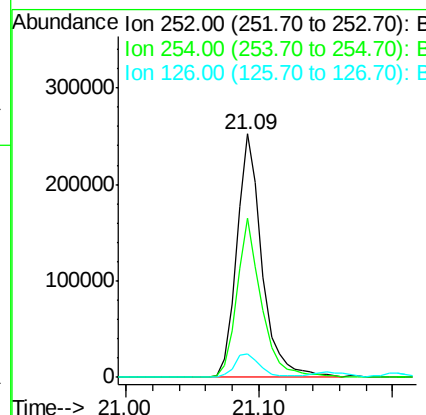
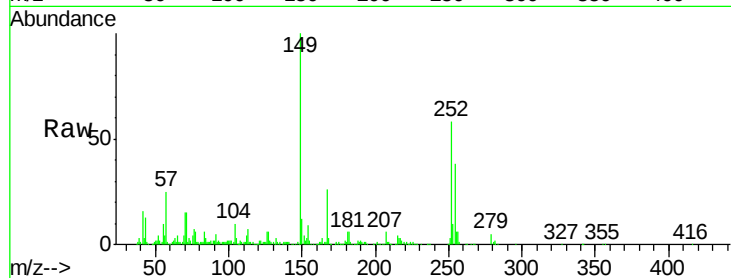
#81
 3,3'-Dichlorobenzidine
 Concen: 16.40 ng
 RT: 21.09 min Scan# 3078
 Delta R.T. -0.00 min
 Lab File: BM014171.D
 Acq: 07 Feb 2018 21:19

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	65.3	51.9	77.9
126	9.7	9.8	14.8

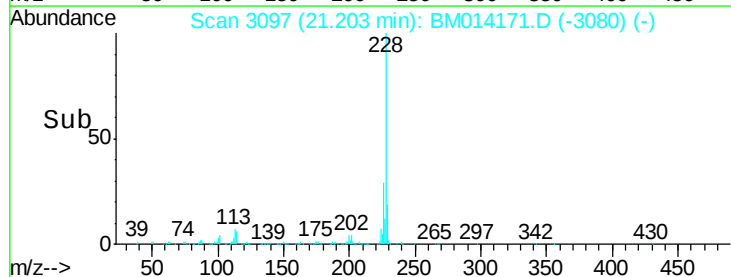
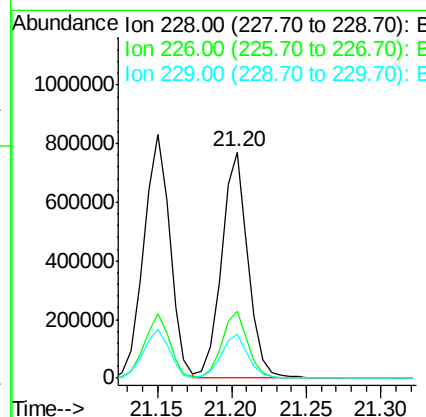
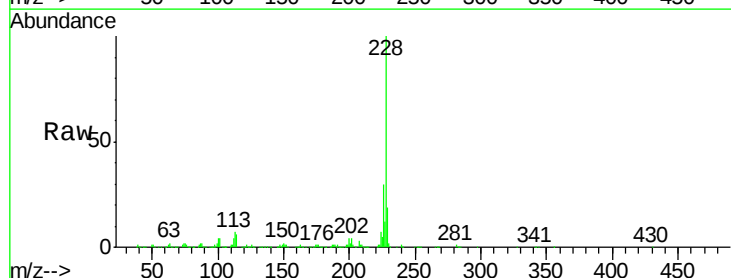
Manual Integrations
 APPROVED

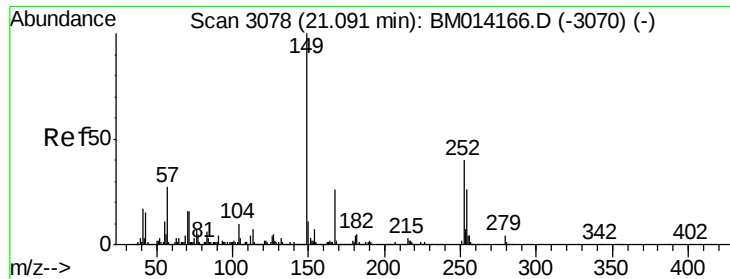
Sohil
 2/8/2018 3:50:31 PM



#82
 Chrysene
 Concen: 18.16 ng
 RT: 21.20 min Scan# 3097
 Delta R.T. -0.00 min
 Lab File: BM014171.D
 Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	29.5	24.1	36.1
229	19.2	15.5	23.3





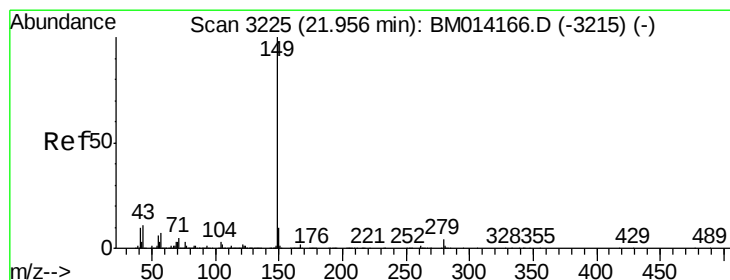
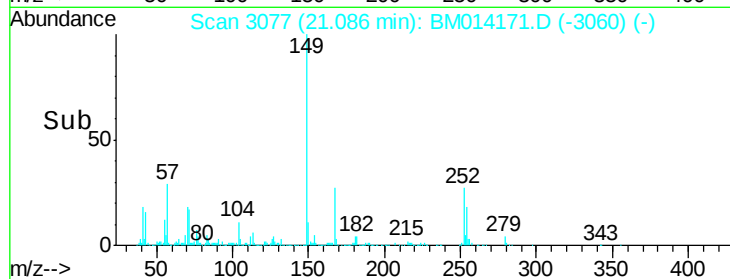
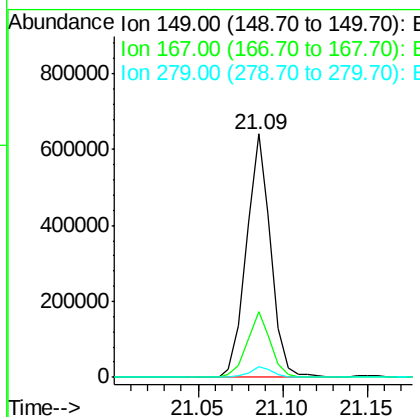
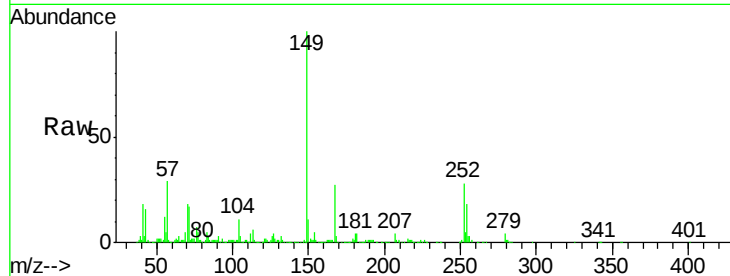
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 16.84 ng
 RT: 21.09 min Scan# 3077
 Delta R.T. -0.00 min
 Lab File: BM014171.D
 Acq: 07 Feb 2018 21:19

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	641903		
167	27.1	22.4	33.6	
279	4.5	3.4	5.0	

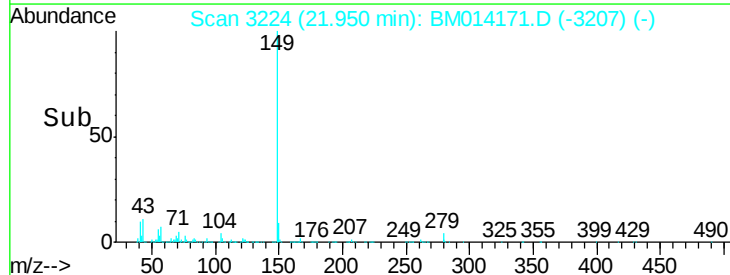
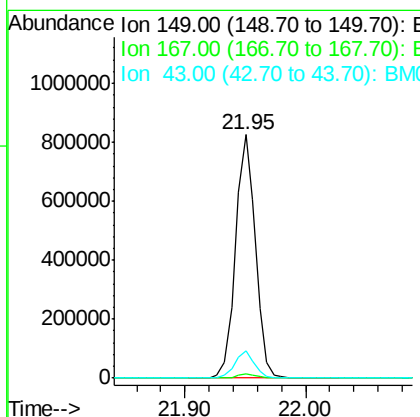
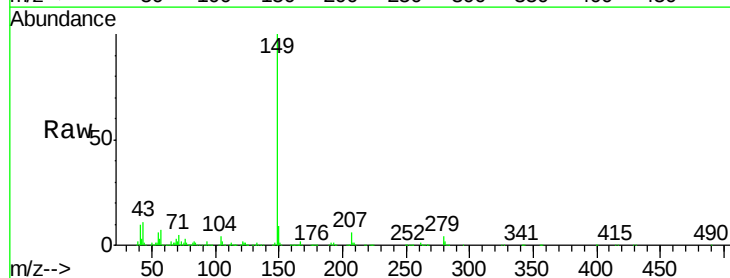
Manual Integrations
 APPROVED

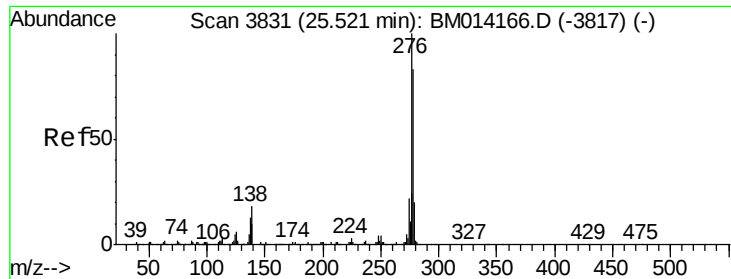
Sohil
 2/8/2018 3:50:31 PM



#84
 Di-n-octyl phthalate
 Concen: 17.92 ng
 RT: 21.95 min Scan# 3224
 Delta R.T. -0.00 min
 Lab File: BM014171.D
 Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	945588		
167	1.5	1.2	1.8	
43	11.0	7.3	10.9	





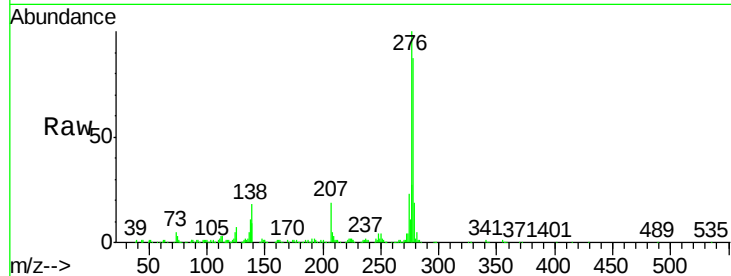
#85
Indeno(1,2,3-cd)pyrene
Concen: 19.23 ng
RT: 25.51 min Scan# 3829
Delta R.T. -0.01 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2018

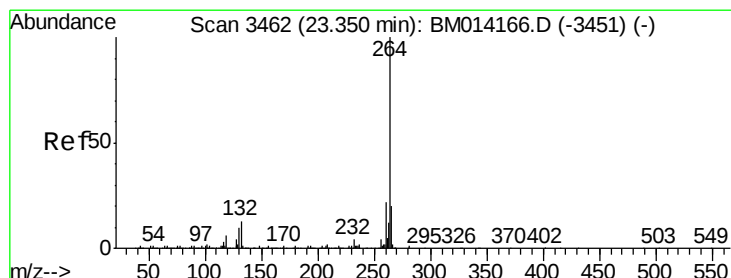
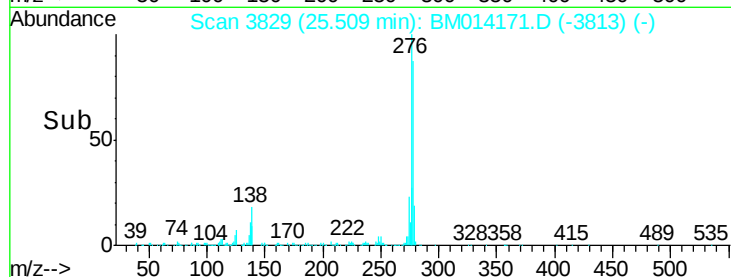
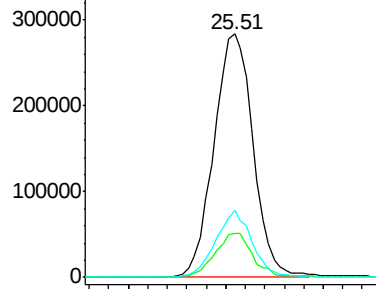
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	795888		
138	17.6	12.0	18.0	
277	25.4	20.0	30.0	

Manual Integrations
APPROVED

Sohil
2/8/2018 3:50:31 PM

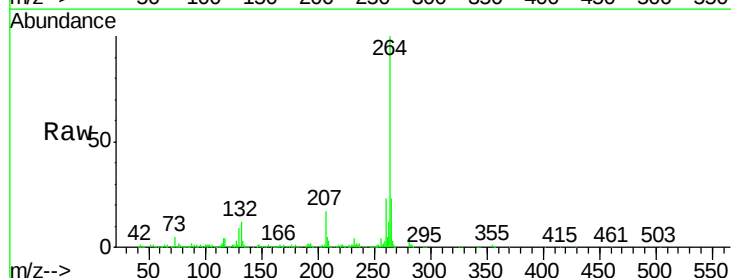


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

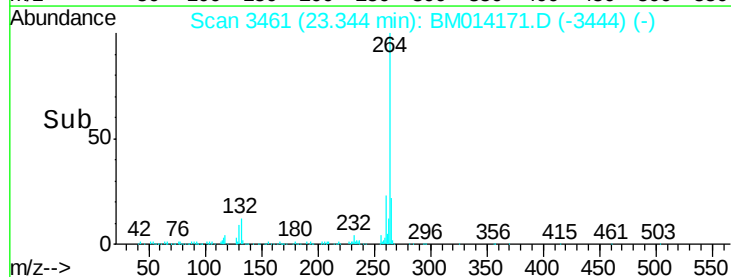
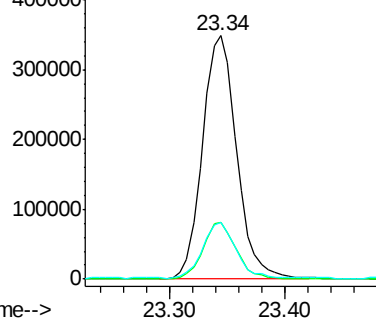


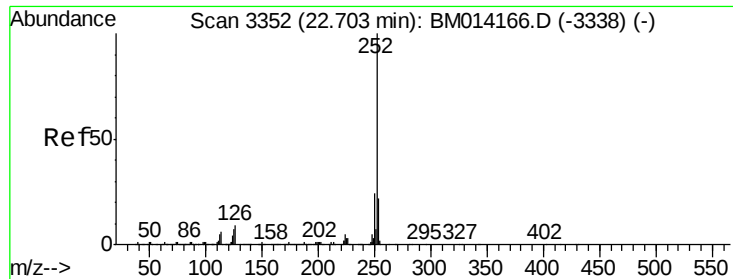
#86
Perylene-d12
Concen: 20.00 ng
RT: 23.34 min Scan# 3461
Delta R.T. -0.00 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	715262		
260	23.5	18.6	27.8	
265	23.0	17.3	25.9	



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 18.23 ng

RT: 22.69 min Scan# 3350

Delta R.T. -0.01 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Instrument :

BNA_M

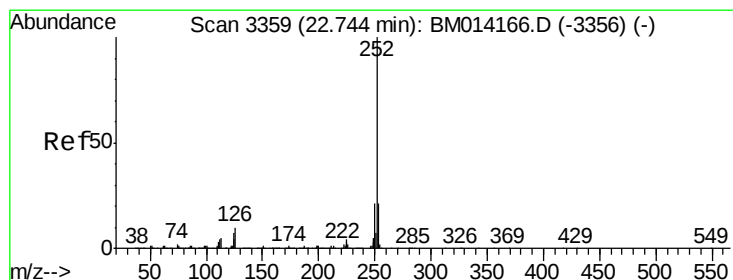
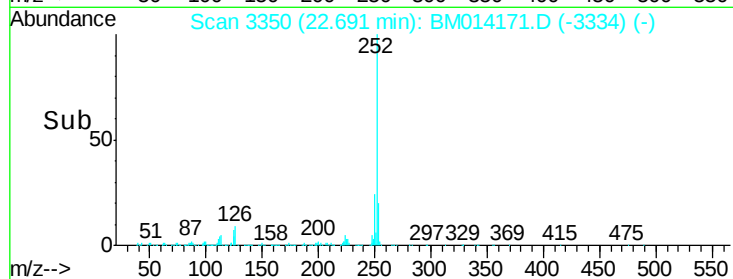
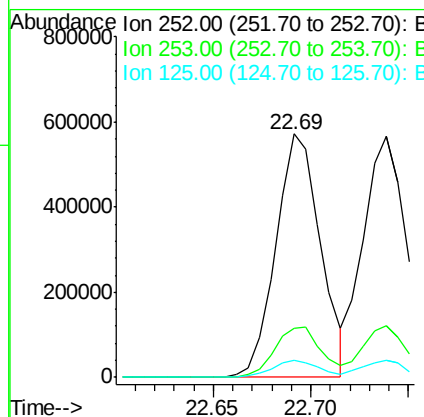
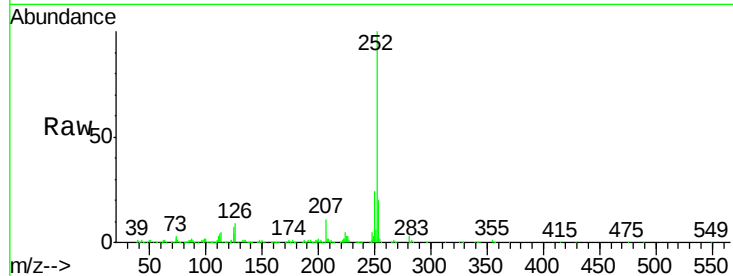
ClientSampleId :

LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.3	18.0	27.0
125	7.2	9.9	14.9#

Manual Integrations
APPROVED

Sohil
2/8/2018 3:50:31 PM



#88

Benzo(k)fluoranthene

Concen: 18.73 ng

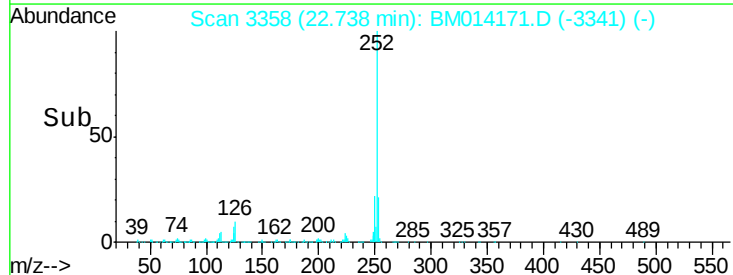
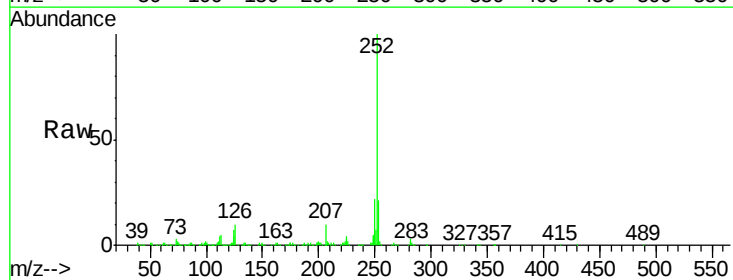
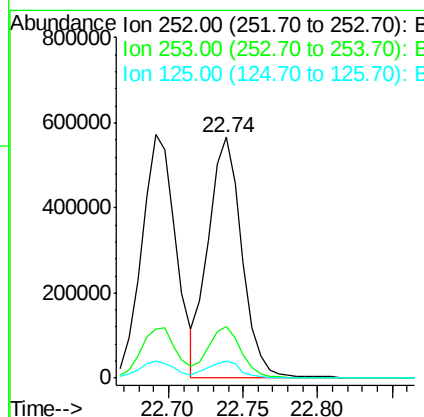
RT: 22.74 min Scan# 3358

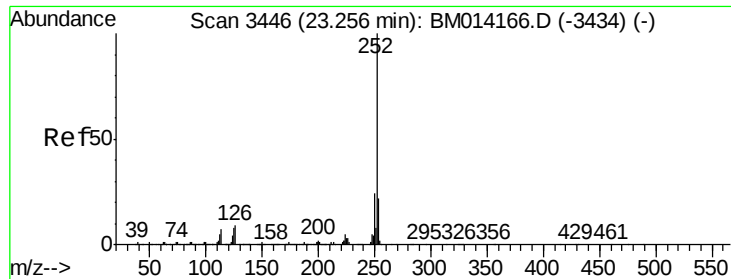
Delta R.T. -0.00 min

Lab File: BM014171.D

Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	6.8	8.1	12.1#





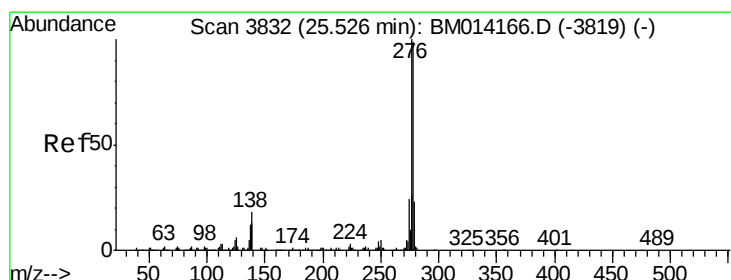
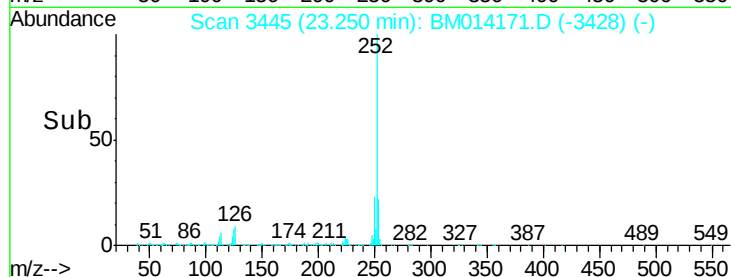
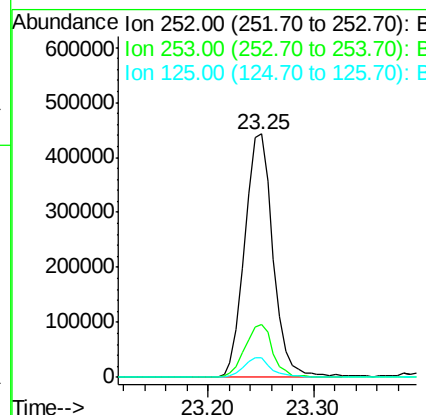
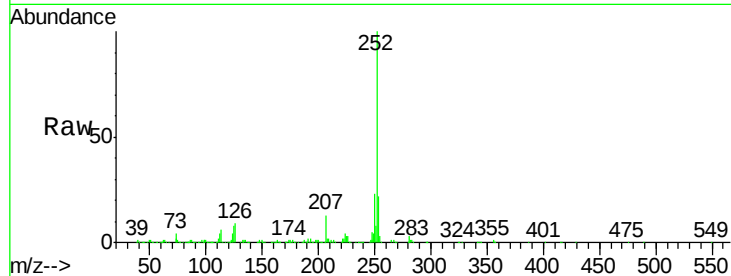
#89
Benzo(a)pyrene
Concen: 18.82 ng
RT: 23.25 min Scan# 3445
Delta R.T. -0.00 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	8.1	7.4	11.2

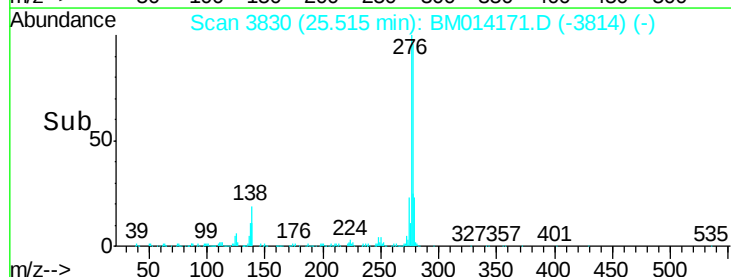
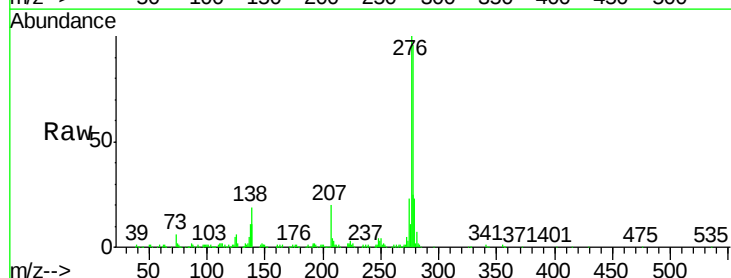
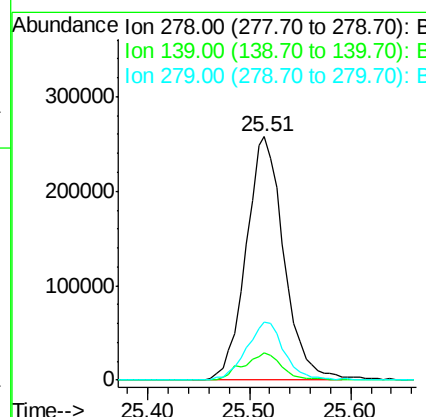
Manual Integrations
APPROVED

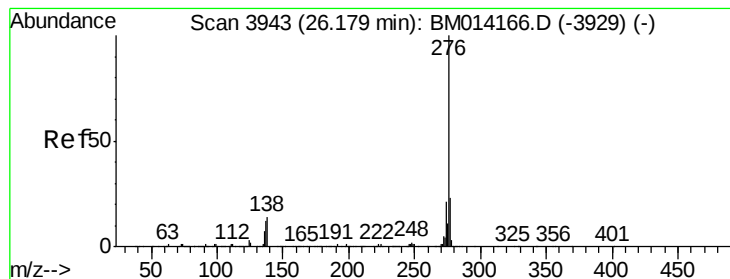
Sohil
2/8/2018 3:50:31 PM



#90
Dibenzo(a,h)anthracene
Concen: 18.68 ng
RT: 25.51 min Scan# 3830
Delta R.T. -0.01 min
Lab File: BM014171.D
Acq: 07 Feb 2018 21:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.4	13.4	20.0#
279	23.9	19.0	28.4





#91

Benzo(g,h,i)perylene

Concen: 18.92 ng

RT: 26.17 min Scan# 3942

Delta R.T. -0.00 min

Lab File: BM014171.D

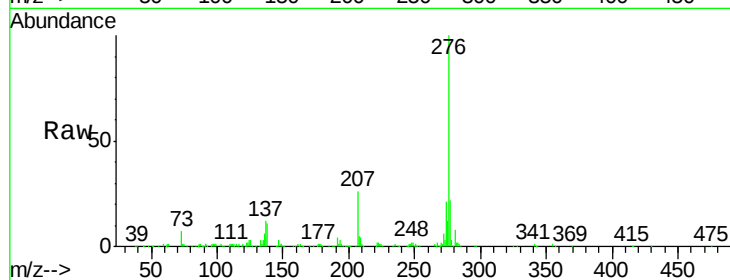
Acq: 07 Feb 2018 21:19

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2018



Tgt Ion: 276 Resp: 632249

Ion Ratio Lower Upper

276 100

277 21.8 18.5 27.7

138 11.2 19.0 28.6

Manual Integrations
APPROVED

Sohil
2/8/2018 3:50:31 PM

