

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022019\
 Data File : BM018889.D
 Acq On : 20 Feb 2019 18:28
 Operator : JU/SJ
 Sample : K1527-01MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-PILEMS

Manual Integrations
 APPROVED

Sohil
 2/21/2019 10:08:59 AM

Quant Time: Feb 21 01:21:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 11 16:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	309258	20.00	ng	-0.02
21) Naphthalene-d8	10.49	136	1320229	20.00	ng	-0.02
39) Acenaphthene-d10	14.35	164	757157	20.00	ng	-0.01
64) Phenanthrene-d10	17.10	188	1692045	20.00	ng	-0.01
76) Chrysene-d12	21.30	240	1582763	20.00	ng	-0.01
87) Perylene-d12	23.54	264	1335162	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	2482472	131.52	ng	-0.01
7) Phenol-d6	6.88	99	3592515	135.11	ng	0.00
23) Nitrobenzene-d5	8.87	82	2339610	81.94	ng	-0.02
42) 2,4,6-Tribromophenol	15.85	330	1421583	130.25	ng	-0.01
45) 2-Fluorobiphenyl	12.97	172	4275135	74.95	ng	-0.01
79) Terphenyl-d14	19.74	244	6439432	83.93	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.25	88	229727	27.944	ng	98
3) Pyridine	3.65	79	706365	31.500	ng	99
4) n-Nitrosodimethylamine	3.56	42	227607	39.899	ng	93
6) Aniline	7.05	93	1156926	35.511	ng	100
8) 2-Chlorophenol	7.27	128	807606	38.972	ng	98
9) Benzaldehyde	6.86	77	407543	25.238	ng	99
10) Phenol	6.90	94	1157525	41.373	ng	99
11) bis(2-Chloroethyl)ether	7.14	93	763861	35.791	ng	99
12) 1,3-Dichlorobenzene	7.59	146	807896	34.671	ng	99
13) 1,4-Dichlorobenzene	7.73	146	827261	34.873	ng	100
14) 1,2-Dichlorobenzene	8.05	146	800588	35.134	ng	98
15) Benzyl Alcohol	7.95	79	804102	38.059	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.23	45	749540	36.287	ng	98
17) 2-Methylphenol	8.15	107	703797	39.524	ng	98
18) Hexachloroethane	8.76	117	306704	35.418	ng	99
19) n-Nitroso-di-n-propylamine	8.51	70	747381	36.302	ng	100
20) 3+4-Methylphenols	8.47	107	962546	39.145	ng	100
22) Acetophenone	8.53	105	1231479	33.966	ng	# 100
24) Nitrobenzene	8.91	77	1067779	36.028	ng	100
25) Isophorone	9.43	82	1874434	41.144	ng	99
26) 2-Nitrophenol	9.62	139	432452	36.640	ng	100
27) 2,4-Dimethylphenol	9.67	122	735238	42.651	ng	98
28) bis(2-Chloroethoxy)methane	9.91	93	1098632	37.291	ng	100
29) 2,4-Dichlorophenol	10.14	162	765849	38.691	ng	100
30) 1,2,4-Trichlorobenzene	10.35	180	789533	34.539	ng	97
31) Naphthalene	10.54	128	2460286	38.210	ng	99
32) Benzoic acid	9.80	122	255316	16.979	ng	95
33) 4-Chloroaniline	10.66	127	705086	24.497	ng	99
34) Hexachlorobutadiene	10.80	225	433007	32.634	ng	99
35) Caprolactam	11.48	113	253838m	31.422	ng	
36) 4-Chloro-3-methylphenol	11.79	107	899622	37.696	ng	100
37) 2-Methylnaphthalene	12.16	142	1813303	39.999	ng	100
38) 1-Methylnaphthalene	12.37	142	1718254	38.760	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.52	216	854942	35.298	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022019\
 Data File : BM018889.D
 Acq On : 20 Feb 2019 18:28
 Operator : JU/SJ
 Sample : K1527-01MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-PILEMS

Manual Integrations
 APPROVED

Sohil
 2/21/2019 10:08:59 AM

Quant Time: Feb 21 01:21:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 11 16:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.49	237	843335	68.102	nq	98
43) 2,4,6-Trichlorophenol	12.77	196	613652	38.272	nq	99
44) 2,4,5-Trichlorophenol	12.85	196	653497	38.885	nq	98
46) 1,1'-Biphenyl	13.18	154	2300141	35.292	nq	99
47) 2-Chloronaphthalene	13.22	162	1797500	35.707	nq	100
48) 2-Nitroaniline	13.45	65	640100	38.286	nq	98
49) Acenaphthylene	14.07	152	2933857	39.141	nq	100
50) Dimethylphthalate	13.82	163	2529158	40.081	nq	100
51) 2,6-Dinitrotoluene	13.94	165	509370	37.264	nq	100
52) Acenaphthene	14.42	154	1684926	36.659	nq	100
53) 3-Nitroaniline	14.28	138	409645	26.523	nq	98
54) 2,4-Dinitrophenol	14.49	184	349389	43.143	nq	99
55) Dibenzofuran	14.75	168	2739820	36.267	nq	99
56) 4-Nitrophenol	14.59	139	847694	68.755	nq	99
57) 2,4-Dinitrotoluene	14.73	165	719063	38.180	nq	99
58) Fluorene	15.40	166	2265154	39.193	nq	99
59) 2,3,4,6-Tetrachlorophenol	14.98	232	586758	39.499	nq	99
60) Diethylphthalate	15.18	149	2361952	36.286	nq	99
61) 4-Chlorophenyl-phenylether	15.40	204	1114457	34.393	nq	98
62) 4-Nitroaniline	15.45	138	489681	32.341	nq	98
63) Azobenzene	15.69	77	2586676	37.063	nq	100
65) 4,6-Dinitro-2-methylphenol	15.49	198	301956	25.417	nq	97
66) n-Nitrosodiphenylamine	15.62	169	1951098	36.497	nq	99
67) 4-Bromophenyl-phenylether	16.30	248	661772	34.941	nq	99
68) Hexachlorobenzene	16.40	284	770949	35.020	nq	99
69) Atrazine	16.58	200	648766	37.644	nq	100
70) Pentachlorophenol	16.75	266	979881	69.130	nq	100
71) Phenanthrene	17.14	178	3520535	38.716	nq	100
72) Anthracene	17.24	178	3562127	40.246	nq	99
73) Carbazole	17.52	167	3235184	34.986	nq	100
74) Di-n-butylphthalate	18.07	149	4221839	39.699	nq	100
75) Fluoranthene	19.17	202	4041542	38.477	nq	99
77) Benzidine	19.37	184	2270033	63.683	nq	100
78) Pyrene	19.53	202	4094615	44.543	nq	100
80) Butylbenzylphthalate	20.43	149	1975742	47.161	nq	99
81) Benzo(a)anthracene	21.28	228	3661700	39.688	nq	100
82) 3,3'-Dichlorobenzidine	21.22	252	1217200	33.381	nq	99
83) Chrysene	21.33	228	3366351	38.067	nq	100
84) Bis(2-ethylhexyl)phthalate	21.20	149	2879428	46.960	nq	100
85) Di-n-octyl phthalate	22.09	149	4561422	44.262	nq	100
86) Indeno(1,2,3-cd)pyrene	25.83	276	3206935	31.410	nq	100
88) Benzo(b)fluoranthene	22.87	252	3155720	41.311	nq	99
89) Benzo(k)fluoranthene	22.91	252	3075362	40.438	nq	100
90) Benzo(a)pyrene	23.45	252	2920159	40.353	nq	99
91) Dibenzo(a,h)anthracene	25.84	278	2760157	38.498	nq	99
92) Benzo(g,h,i)perylene	26.53	276	2624277	39.317	nq	99

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

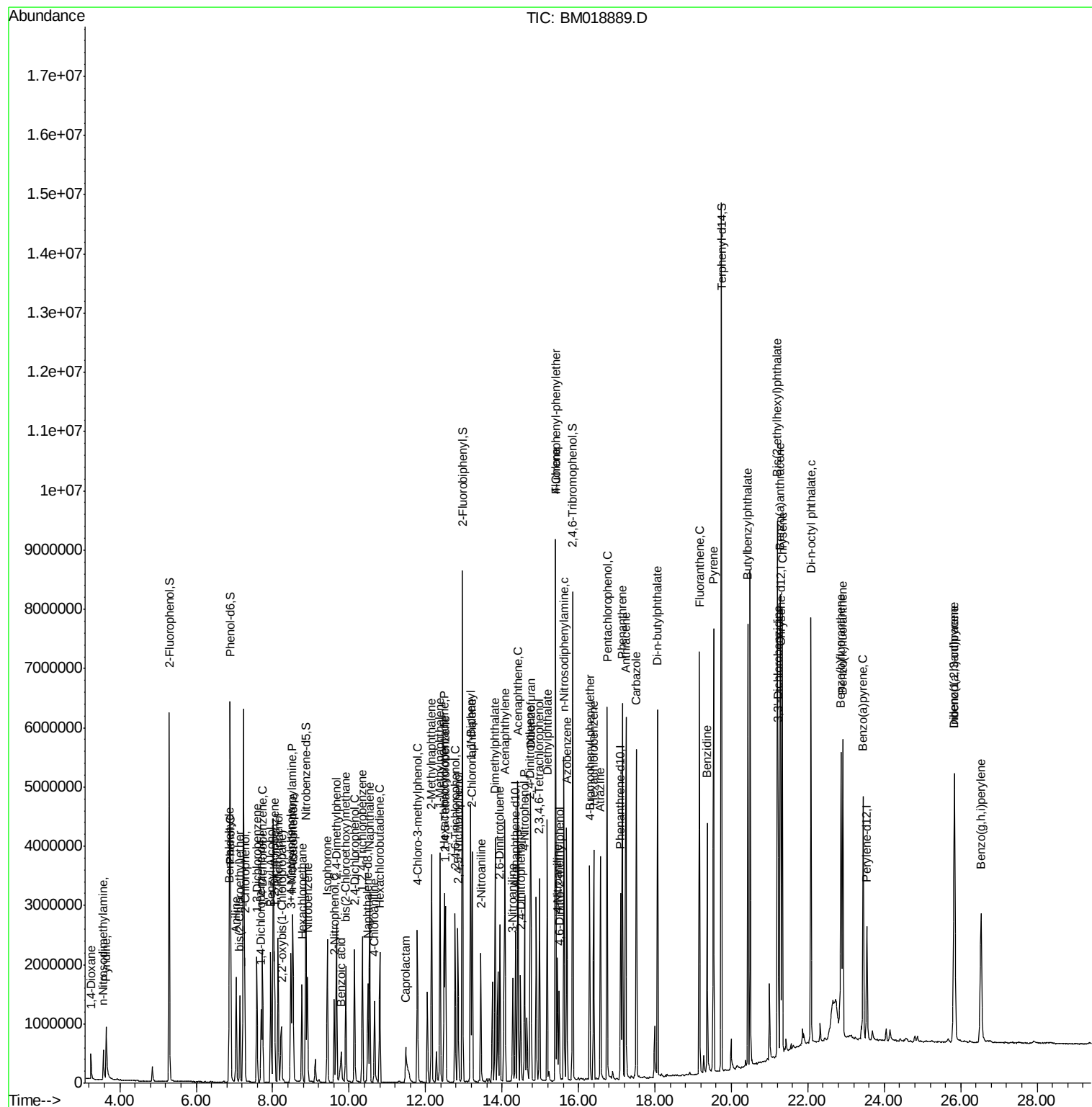
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022019\
Data File : BM018889.D
Acq On : 20 Feb 2019 18:28
Operator : JU/SJ
Sample : K1527-01MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

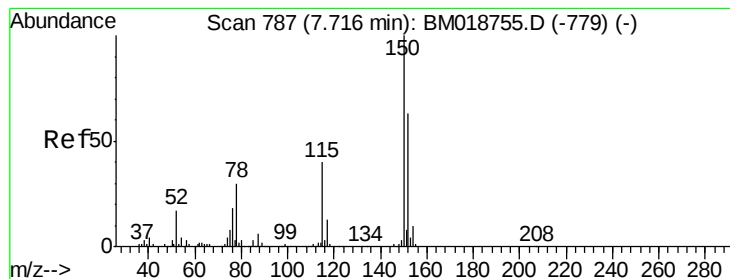
Instrument :
BNA_M
ClientSampleId :
SOIL-PILEMS

Manual Integrations
APPROVED

Sohil
2/21/2019 10:08:59 AM

Quant Time: Feb 21 01:21:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 11 16:02:12 2019
Response via : Initial Calibration





#1

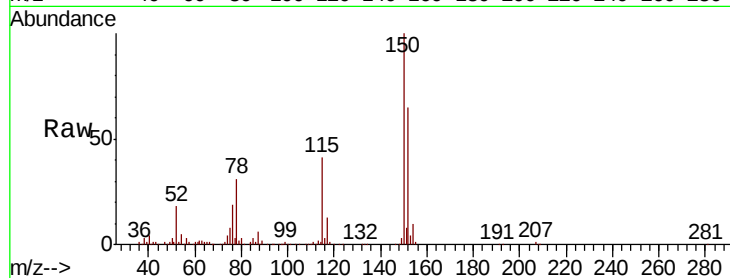
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.70 min Scan# 784
Delta R.T. -0.02 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Instrument :
BNA_M
ClientSampleId :
SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	127.3	190.9
115	62.6	50.8	76.2

Manual Integrations
APPROVED

Sohil
2/21/2019 10:08:59 AM

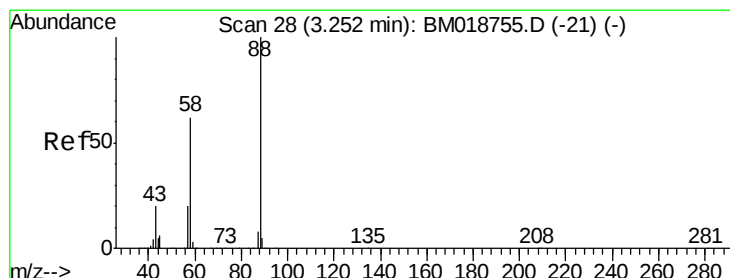
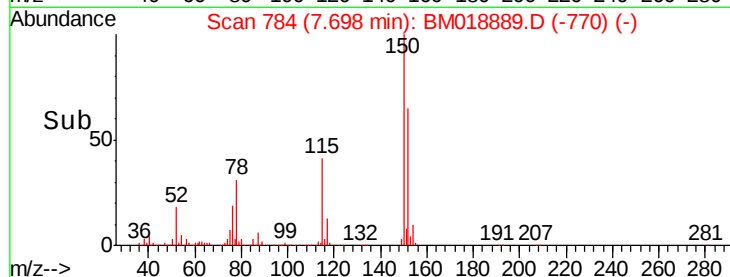
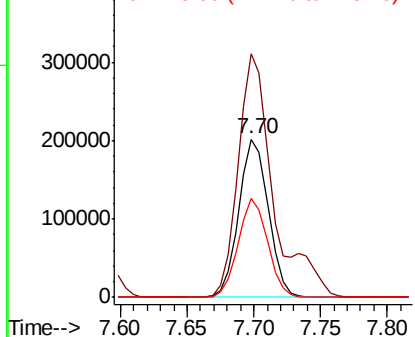


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

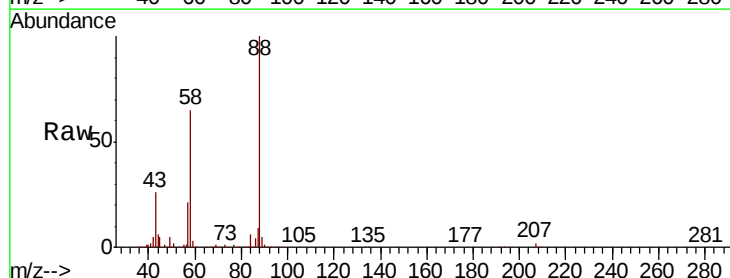
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 27.944 ng
RT: 3.25 min Scan# 27
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Tgt Ion	Ratio	Lower	Upper
88	100		
58	63.3	49.8	74.6
43	22.4	16.7	25.1

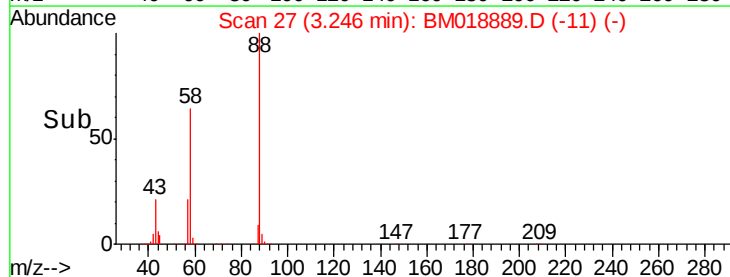
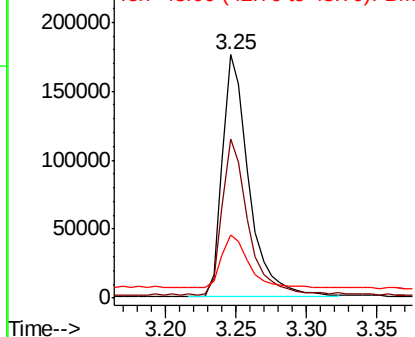


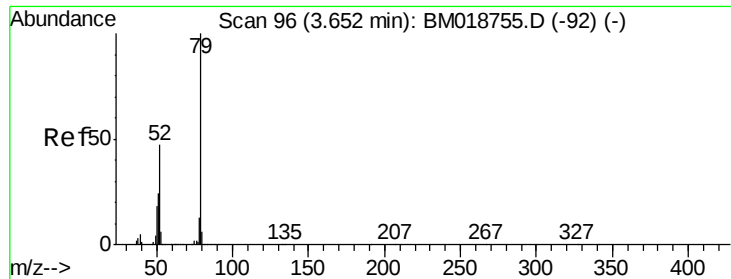
Abundance

Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





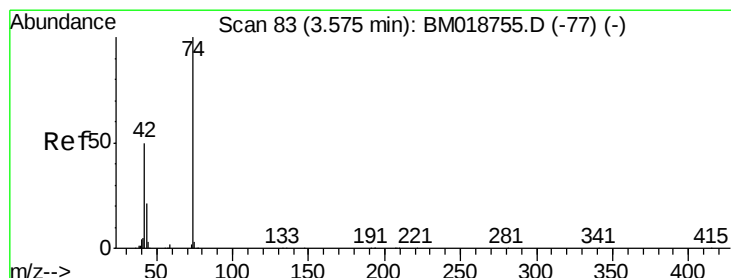
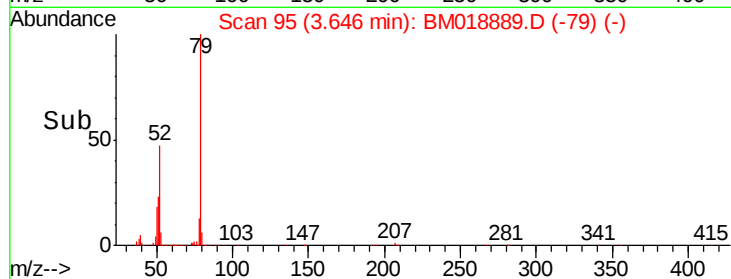
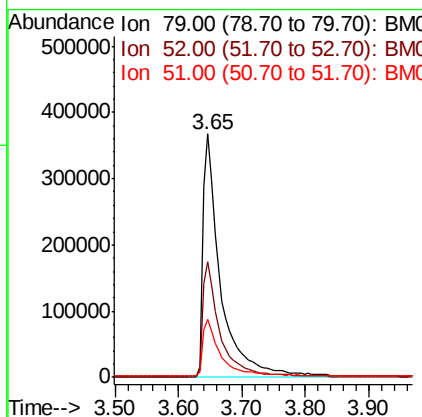
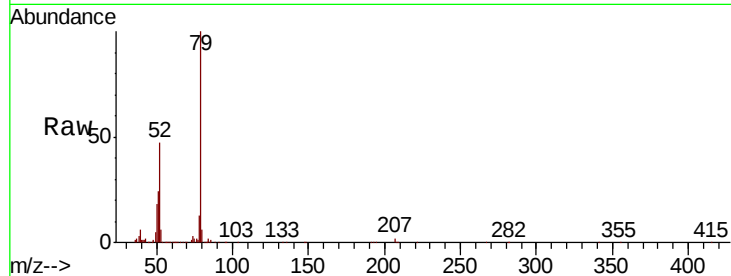
#3
 Pvridine
 Concen: 31.500 ng
 RT: 3.65 min Scan# 95
 Delta R.T. -0.01 min
 Lab File: BM018889.D
 Acq: 20 Feb 2019 18:28

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-PILEMS

Tot Ion:	79	Resp:	706365
Ion Ratio	Lower	Upper	
79	100		
52	47.4	37.6	56.4
51	23.8	19.7	29.5

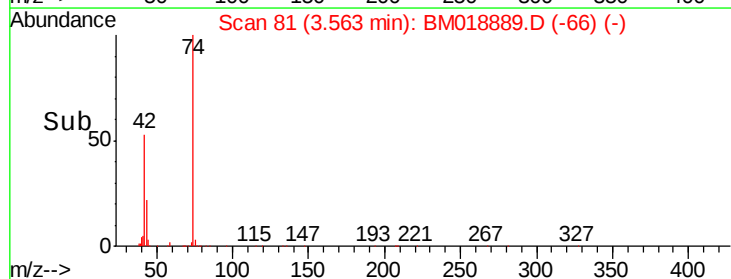
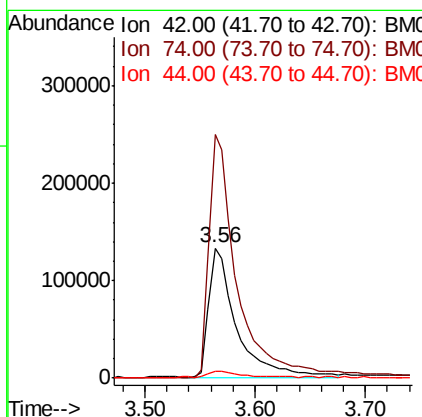
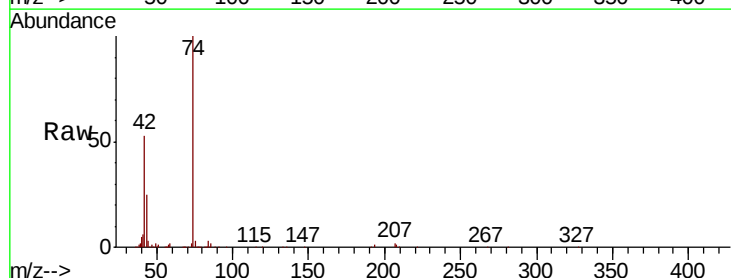
Manual Integrations
 APPROVED

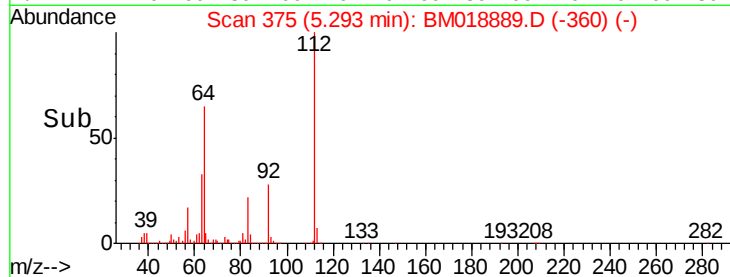
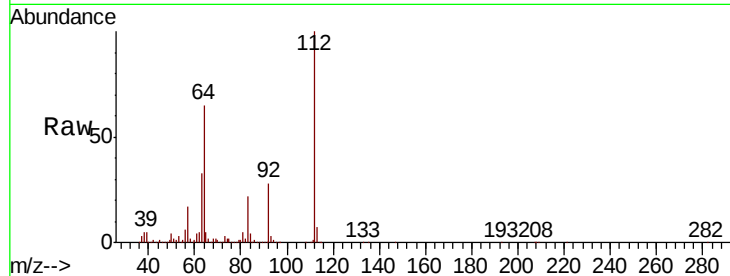
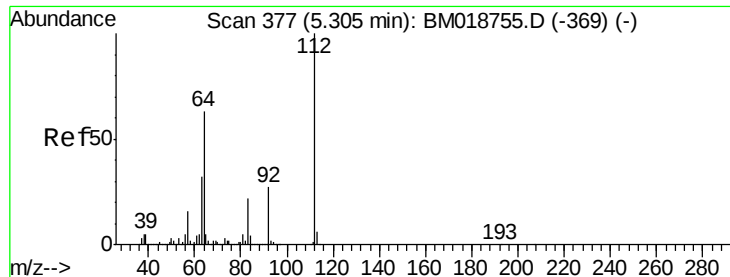
Sohil
 2/21/2019 10:08:59 AM



#4
 n-Nitrosodimethylamine
 Concen: 39.899 ng
 RT: 3.56 min Scan# 81
 Delta R.T. -0.01 min
 Lab File: BM018889.D
 Acq: 20 Feb 2019 18:28

Tgt Ion:	42	Resp:	227607
Ion Ratio	Lower	Upper	
42	100		
74	187.3	158.1	237.1
44	5.7	4.9	7.3





#5

2-Fluorophenol

Concen: 131.523 ng

RT: 5.29 min Scan# 375

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Tot Ion:	112	Resp:	2482472
Ion	Ratio	Lower	Upper
112	100		
64	64.8	50.6	75.8
63	33.0	25.7	38.5

Instrument :

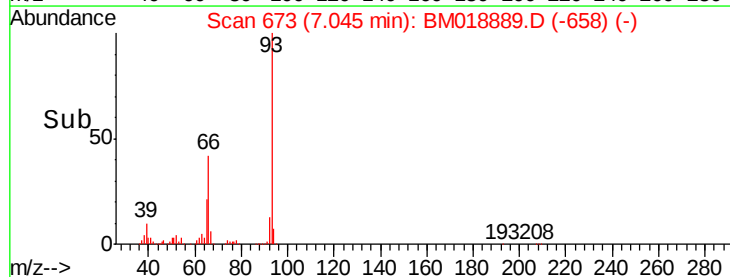
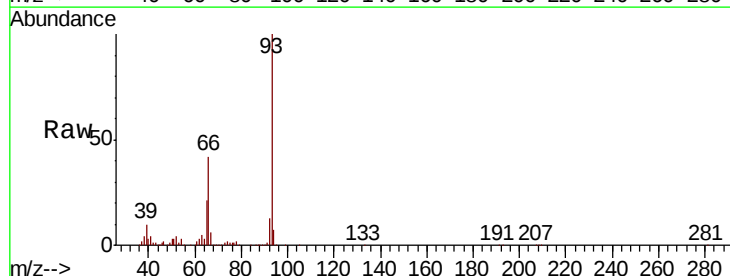
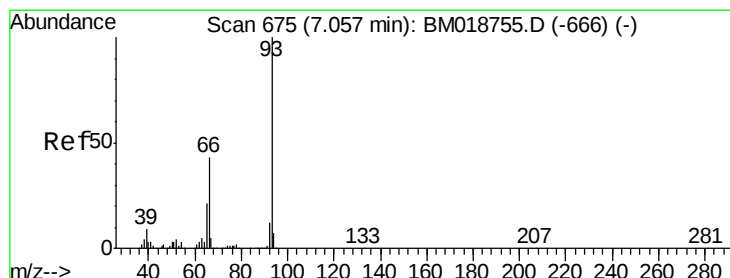
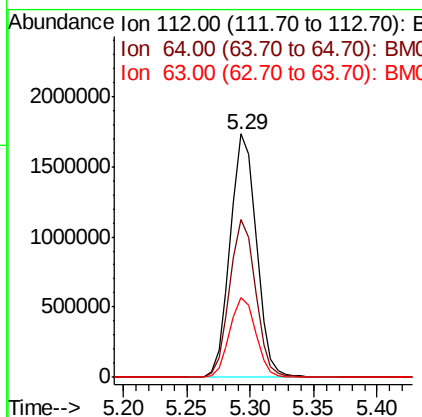
BNA_M

ClientSampleId :

SOIL-PILEMS

Manual Integrations
APPROVED

Sohil
2/21/2019 10:08:59 AM



#6

Aniline

Concen: 35.511 ng

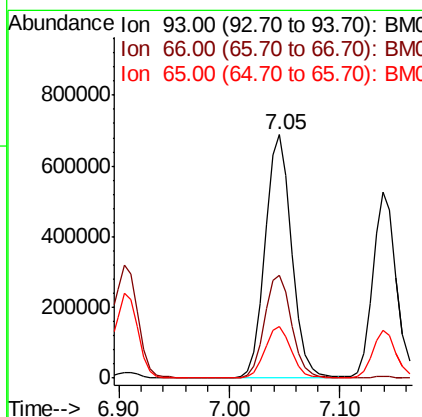
RT: 7.05 min Scan# 673

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Tgt Ion:	93	Resp:	1156926
Ion	Ratio	Lower	Upper
93	100		
66	42.5	34.1	51.1
65	21.0	16.6	24.8





#7

Phenol-d6

Concen: 135.108 ng

RT: 6.88 min Scan# 645

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Instrument :

BNA_M

ClientSampleId :

SOIL-PILEMS

Tot Ion: 99 Resp: 3592515

Ion Ratio Lower Upper

99 100

42 13.9 11.0 16.6

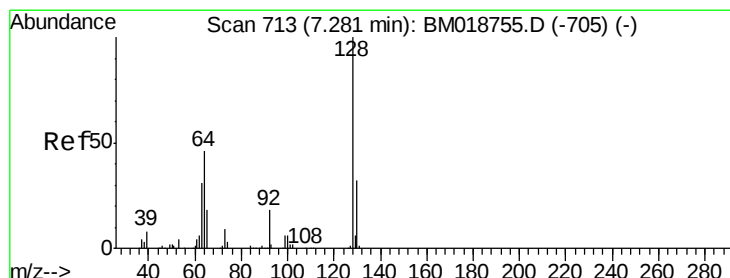
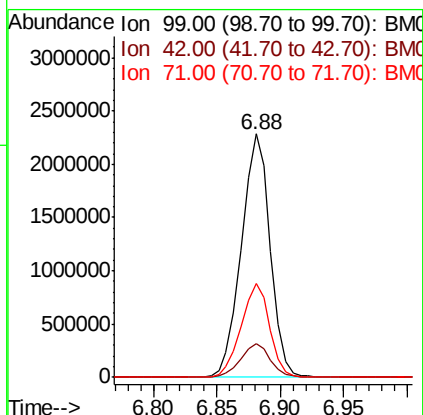
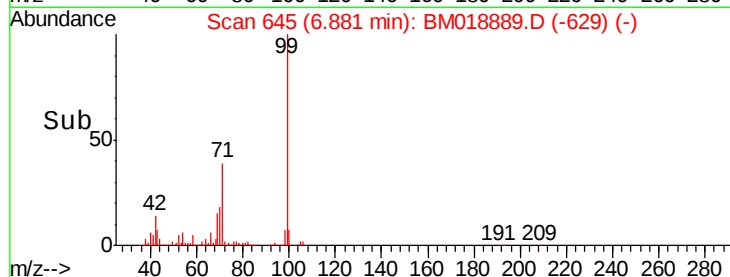
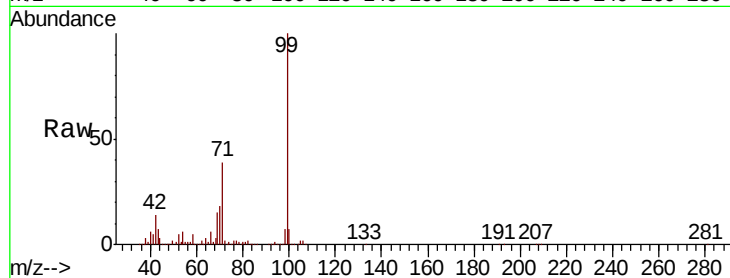
71 38.5 31.3 46.9

Manual Integrations

APPROVED

Sohil

2/21/2019 10:08:59 AM



#8

2-Chlorophenol

Concen: 38.972 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

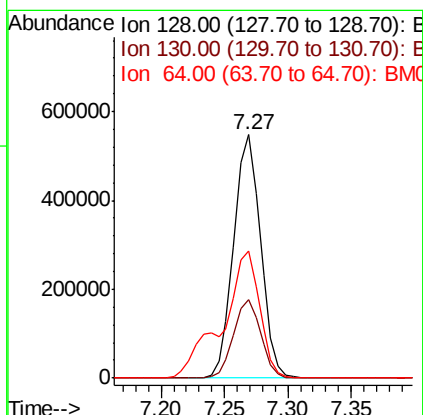
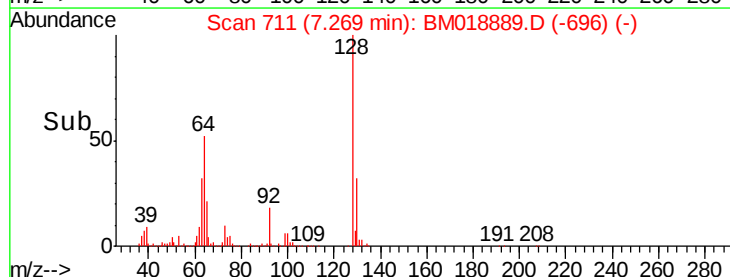
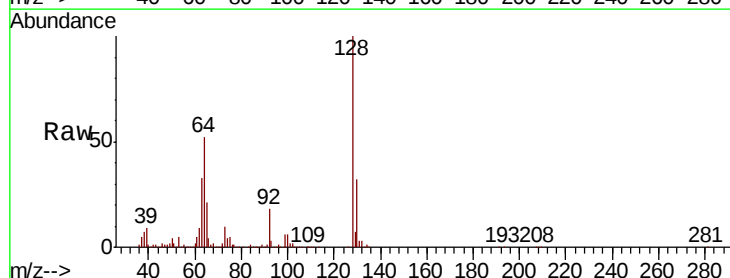
Tgt Ion: 128 Resp: 807606

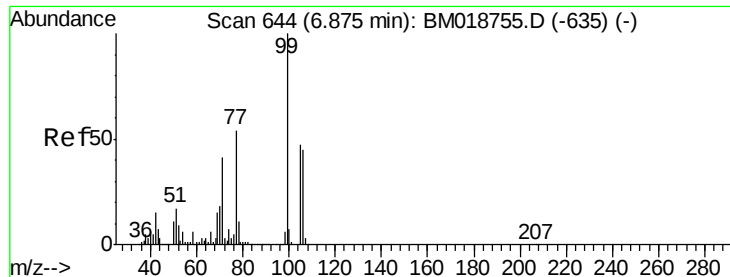
Ion Ratio Lower Upper

128 100

130 32.1 11.7 51.7

64 52.4 31.0 71.0





#9

Benzaldehyde

Concen: 25.238 ng

RT: 6.86 min Scan# 641

Delta R.T. -0.02 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Instrument :

BNA_M

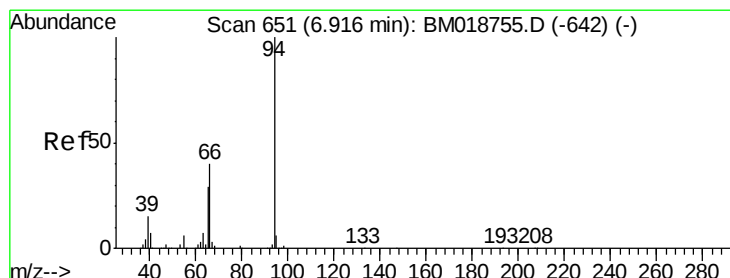
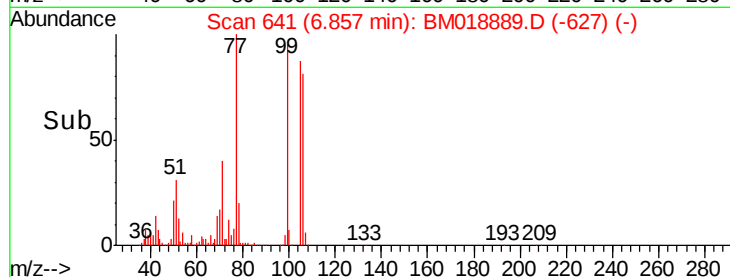
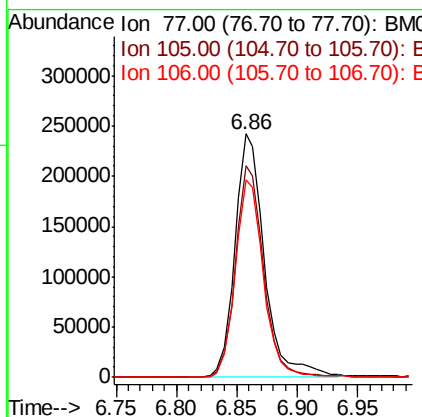
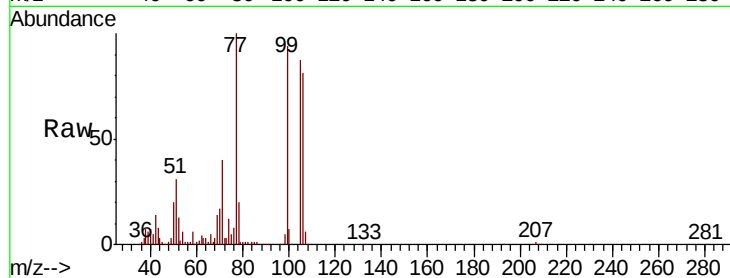
ClientSampleId :

SOIL-PILEMS

Tot Ion:	77	Resp:	407543
Ion	Ratio	Lower	Upper
77	100		
105	87.1	67.3	107.3
106	81.2	62.9	102.9

Manual Integrations
APPROVED

Sohil
2/21/2019 10:08:59 AM



#10

Phenol

Concen: 41.373 ng

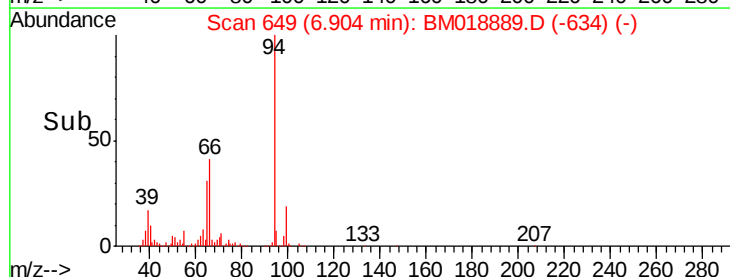
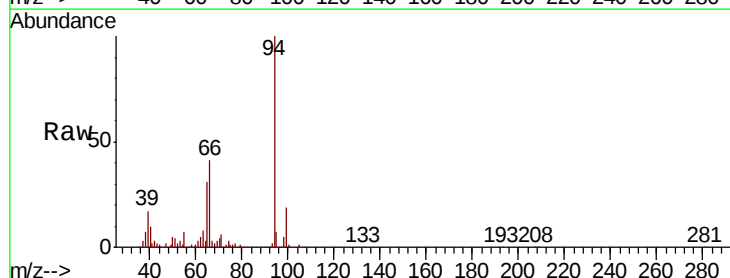
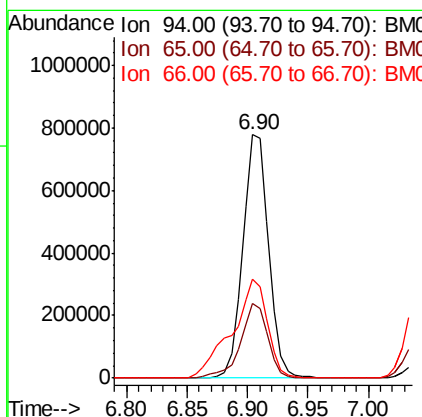
RT: 6.90 min Scan# 649

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Tgt Ion:	94	Resp:	1157525
Ion	Ratio	Lower	Upper
94	100		
65	30.8	9.6	49.6
66	40.9	20.4	60.4





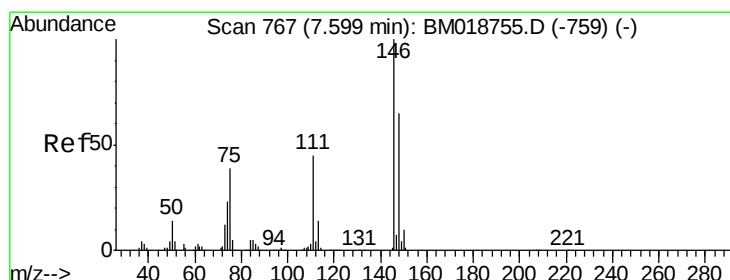
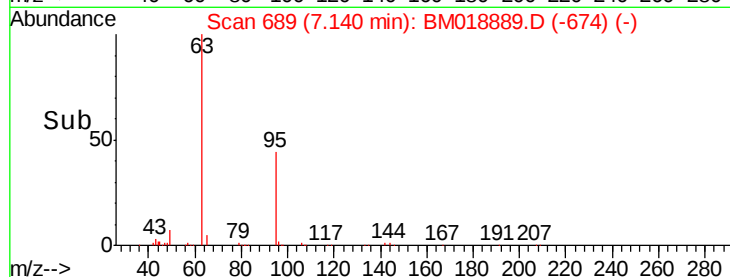
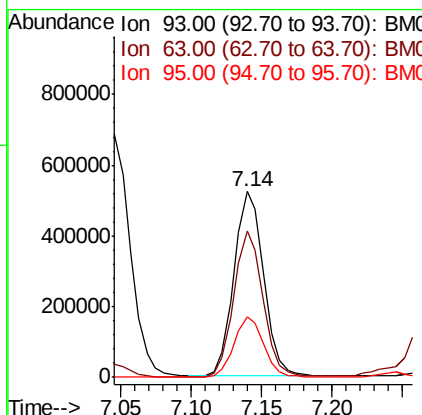
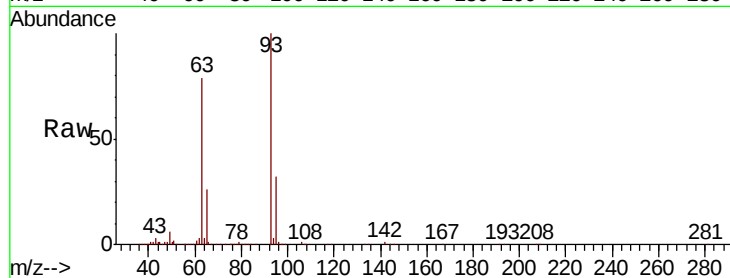
#11
bis(2-Chloroethyl)ether
Concen: 35.791 ng
RT: 7.14 min Scan# 689
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Instrument :
BNA_M
ClientSampleId :
SOIL-PILEMS

Tot Ion:	93	Resp:	763861
Ion Ratio	Lower	Upper	
93	100		
63	78.6	57.0	97.0
95	32.4	12.4	52.4

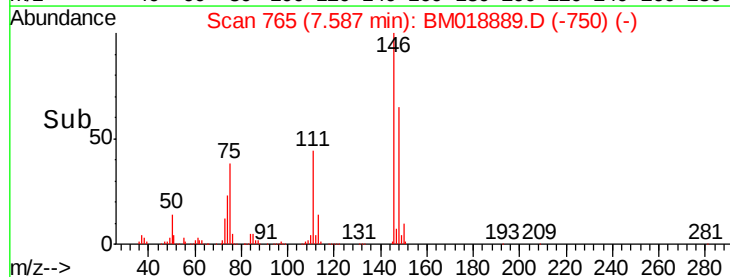
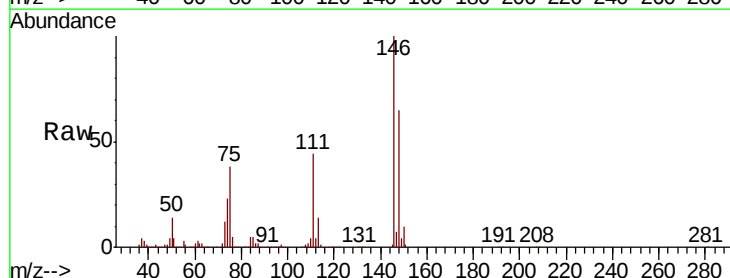
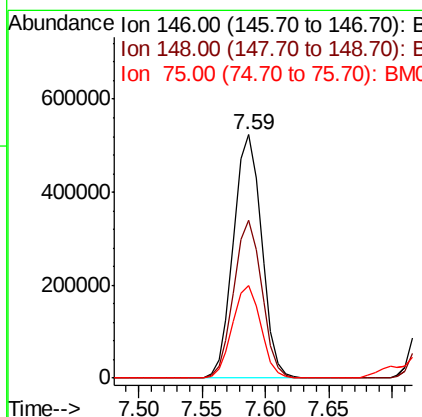
Manual Integrations
APPROVED

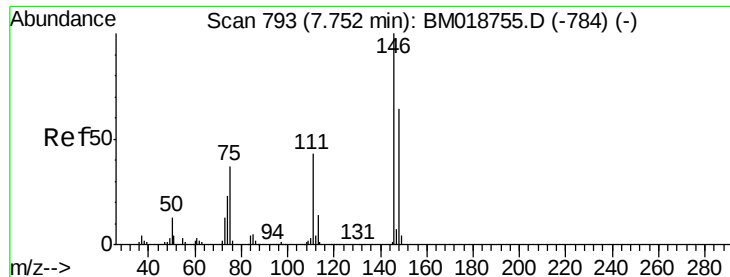
Sohil
2/21/2019 10:08:59 AM



#12
1,3-Dichlorobenzene
Concen: 34.671 ng
RT: 7.59 min Scan# 765
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Tgt Ion:	146	Resp:	807896
Ion Ratio	Lower	Upper	
146	100		
148	64.8	51.7	77.5
75	37.8	31.3	46.9





#13

1,4-Dichlorobenzene

Concen: 34.873 ng

RT: 7.73 min Scan# 790

Delta R.T. -0.02 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Instrument :

BNA_M

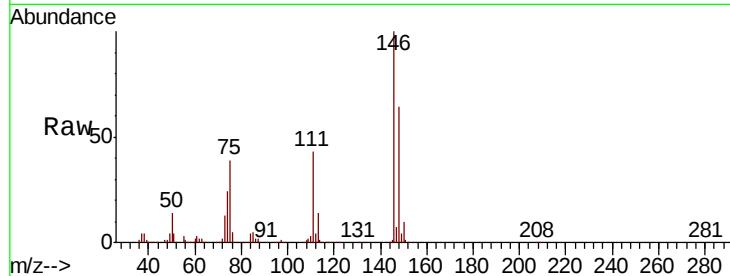
ClientSampleId :

SOIL-PILEMS

Tot Ion:	146	Resp:	827261
Ion Ratio	Lower	Upper	
146	100		
148	64.2	51.4	77.2
111	42.8	34.6	52.0

Manual Integrations
APPROVED

Sohil
2/21/2019 10:08:59 AM

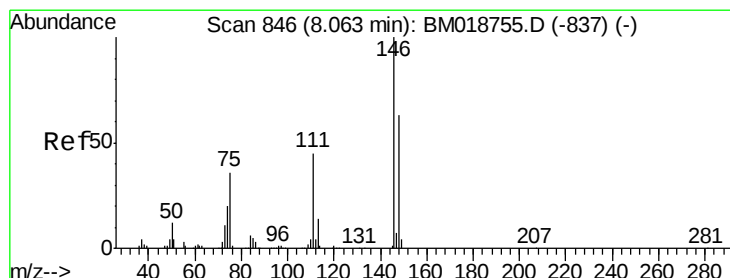
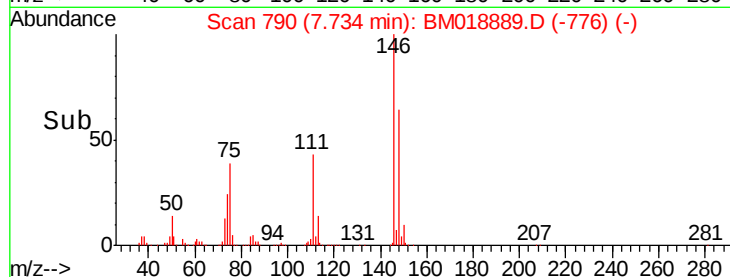
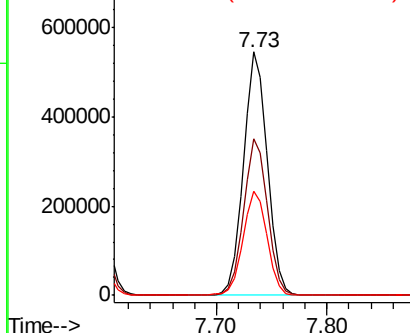


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 35.134 ng

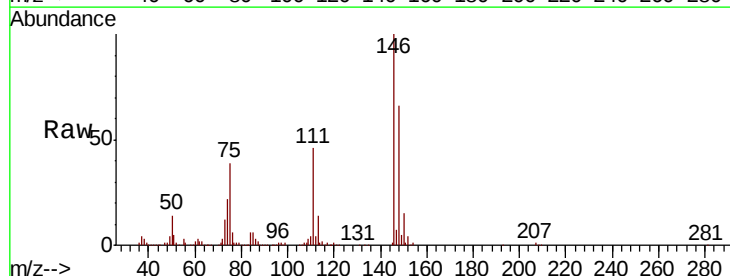
RT: 8.05 min Scan# 843

Delta R.T. -0.02 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Tgt Ion:	146	Resp:	800588
Ion Ratio	Lower	Upper	
146	100		
148	65.5	50.7	76.1
111	46.0	35.9	53.9

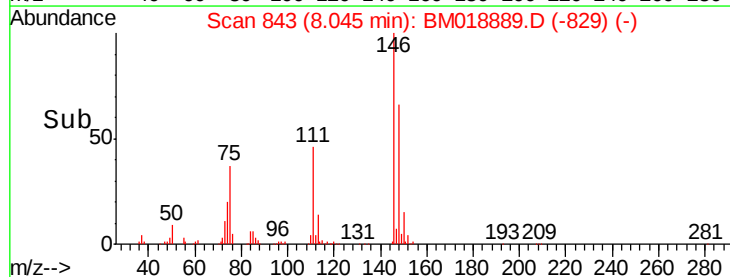
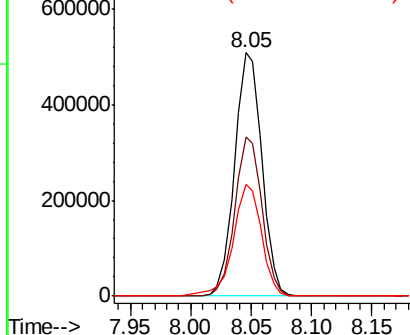


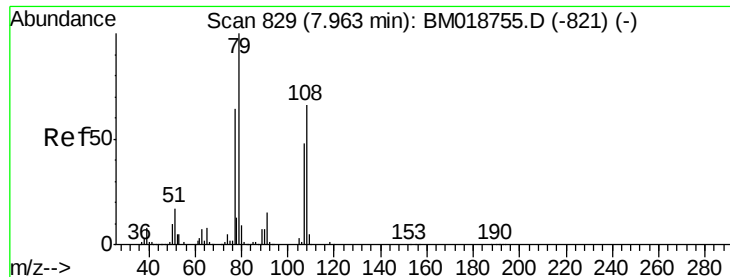
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 38.059 ng

RT: 7.95 min Scan# 827

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Instrument :

BNA_M

ClientSampleId :

SOIL-PILEMS

Tot Ion: 79 Resp: 804102

Ion Ratio Lower Upper

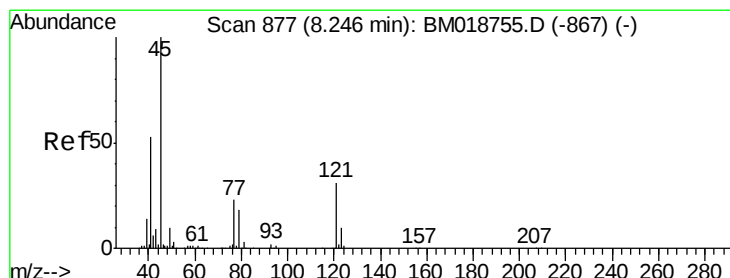
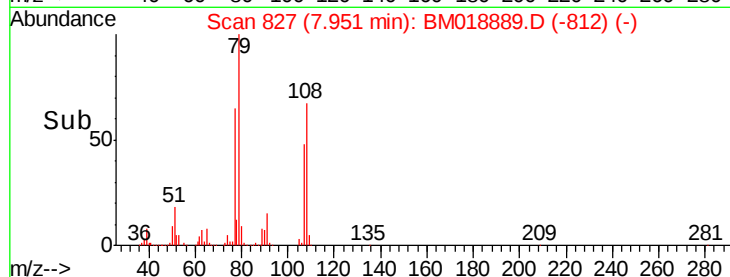
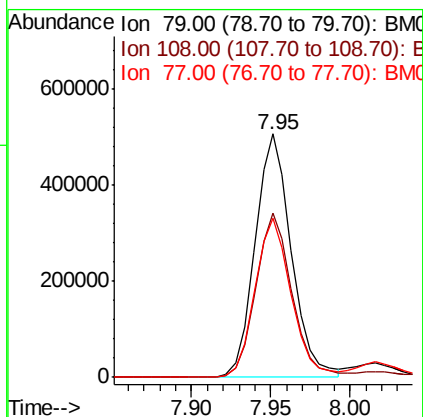
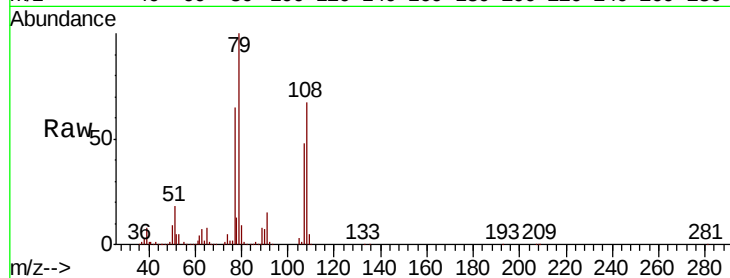
79 100

108 67.2 52.7 79.1

77 65.4 51.0 76.4

Manual Integrations
APPROVED

Sohil
2/21/2019 10:08:59 AM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.287 ng

RT: 8.23 min Scan# 875

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

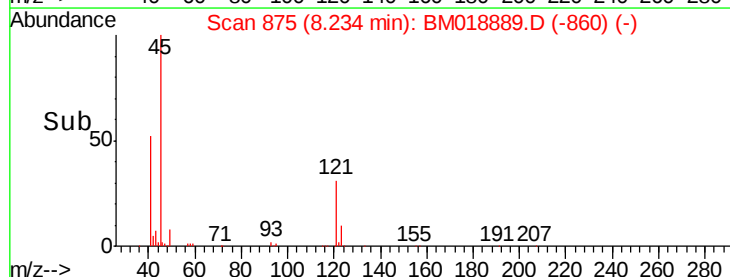
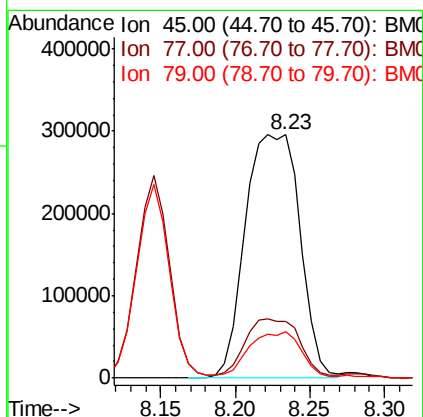
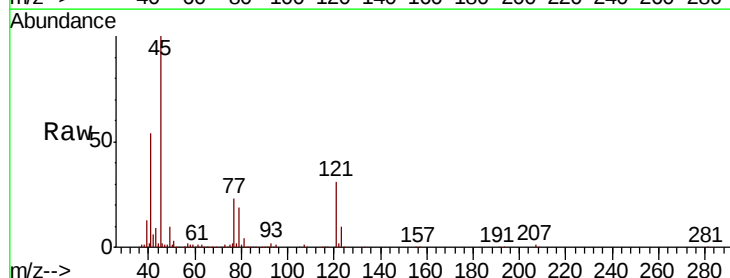
Tgt Ion: 45 Resp: 749540

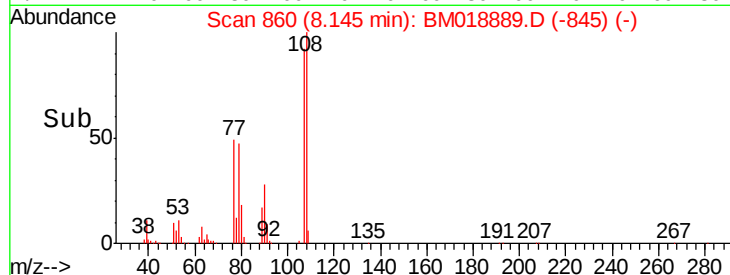
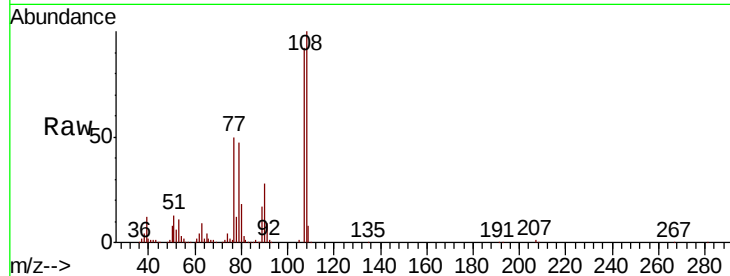
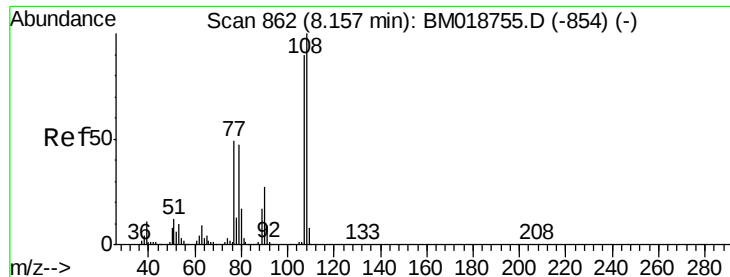
Ion Ratio Lower Upper

45 100

77 23.4 5.0 45.0

79 19.0 0.0 39.3





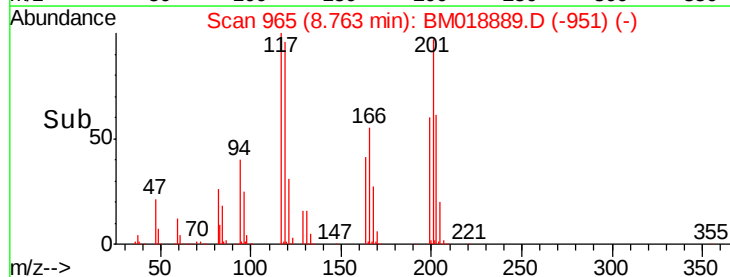
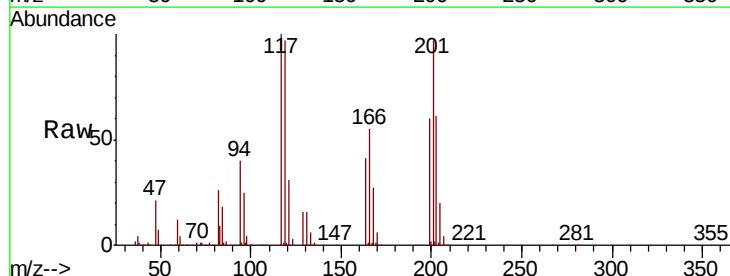
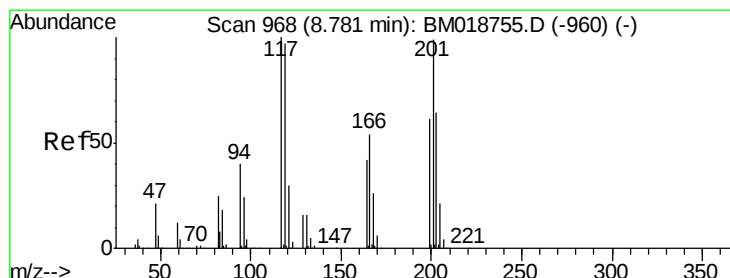
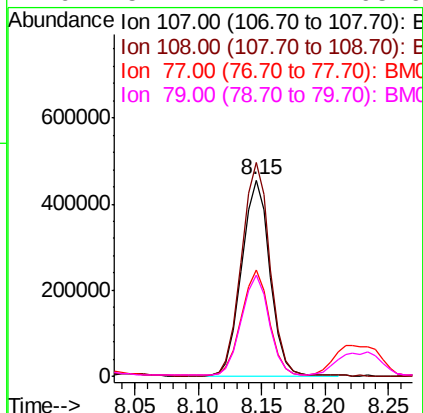
#17
2-Methylphenol
Concen: 39.524 ng
RT: 8.15 min Scan# 860
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Tot Ion	Ratio	Resp Lower	Upper
107	100		
108	108.8	88.8	133.2
77	54.0	44.0	66.0
79	51.7	42.4	63.6

Instrument :
BNA_M
ClientSampleId :
SOIL-PILEMS

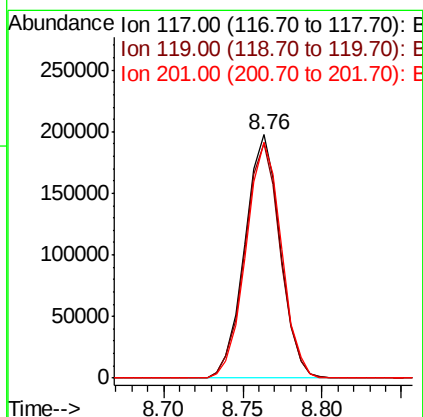
Manual Integrations
APPROVED

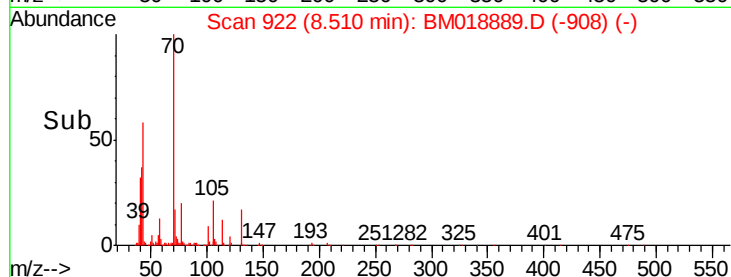
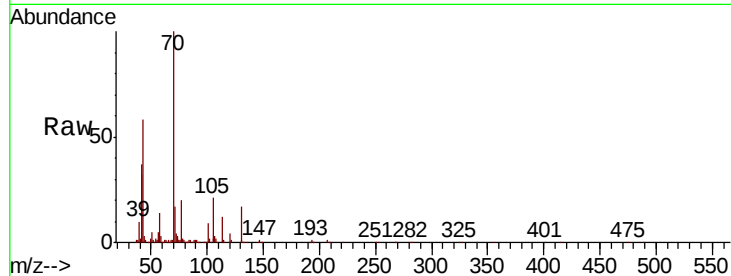
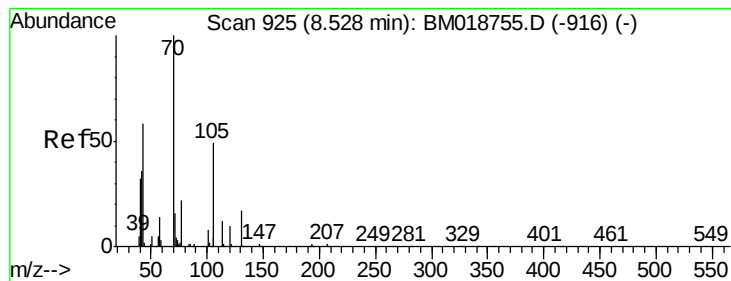
Sohil
2/21/2019 10:08:59 AM



#18
Hexachloroethane
Concen: 35.418 ng
RT: 8.76 min Scan# 965
Delta R.T. -0.02 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Tgt Ion	Ratio	Resp Lower	Upper
117	100		
119	96.6	77.9	116.9
201	97.2	79.2	118.8





#19

n-Nitroso-di-n-propylamine

Concen: 36.302 ng

RT: 8.51 min Scan# 922

Delta R.T. -0.02 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	36.7	29.4	44.0		
101	8.6	6.7	10.1		
130	17.4	14.0	21.0		

Instrument :

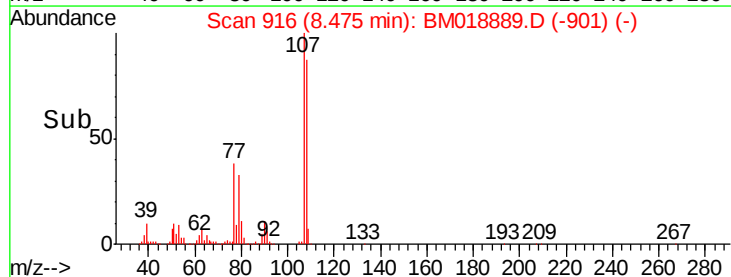
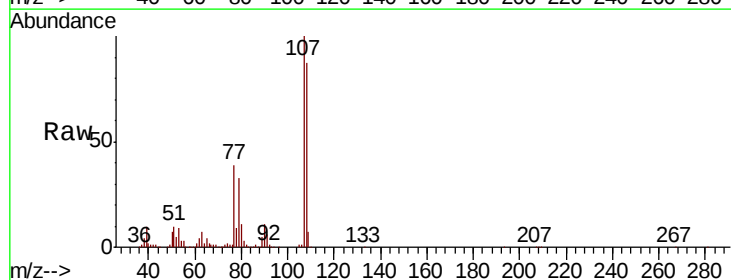
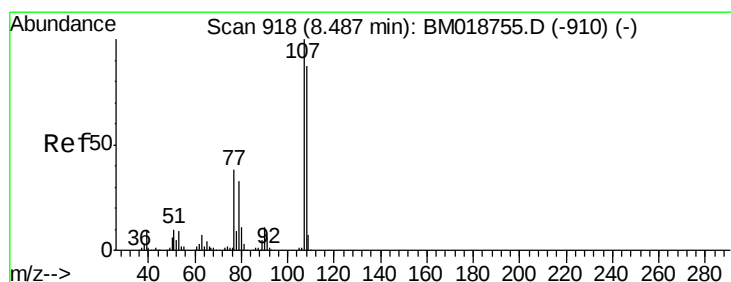
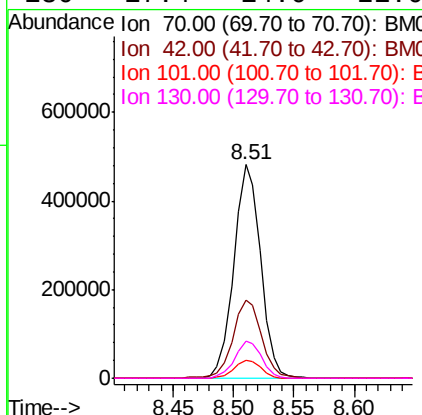
BNA_M

ClientSampleId :

SOIL-PILEMS

Manual Integrations
APPROVED

Sohil
2/21/2019 10:08:59 AM



#20

3+4-Methylphenols

Concen: 39.145 ng

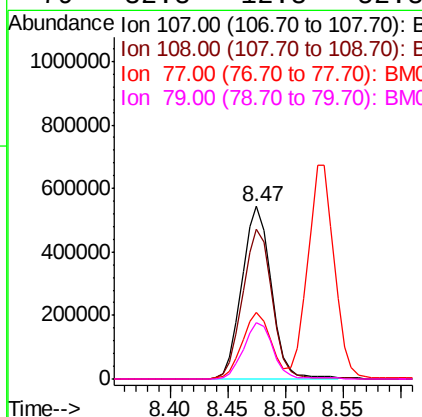
RT: 8.47 min Scan# 916

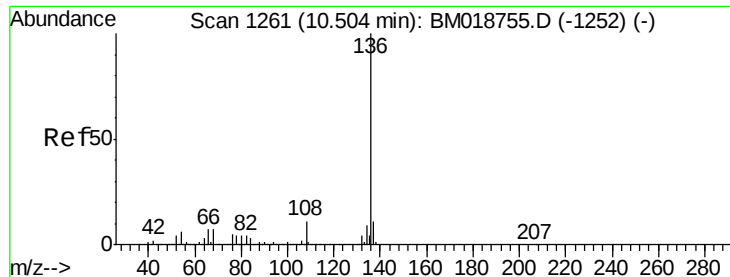
Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	87.1	67.3	107.3		
77	38.5	18.0	58.0		
79	32.8	12.8	52.8		





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.49 min Scan# 1258

Delta R.T. -0.02 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Instrument :

BNA_M

ClientSampleId :

SOIL-PILEMS

Tot Ion:136 Resp: 1320229

Ion Ratio Lower Upper

136 100

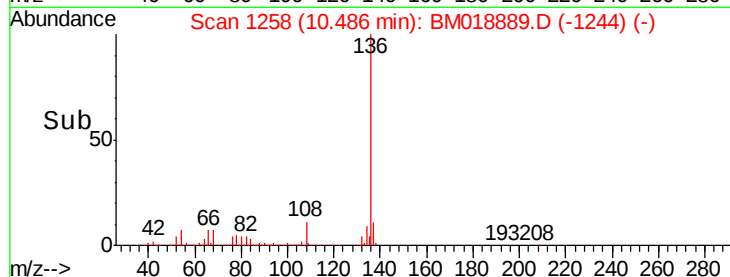
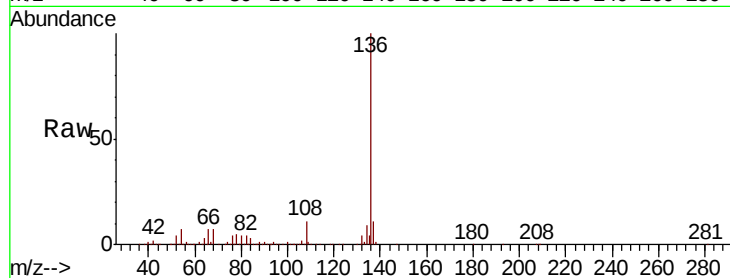
137 10.7 8.8 13.2

54 6.9 5.0 7.6

68 7.4 5.5 8.3

Manual Integrations
APPROVED

Sohil
2/21/2019 10:08:59 AM



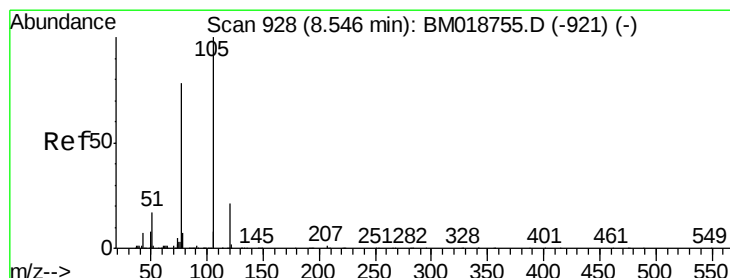
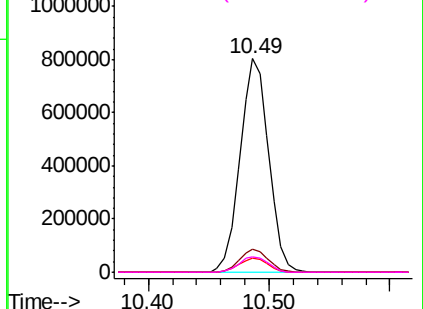
Abundance

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: 33.966 ng

RT: 8.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Tgt Ion:105 Resp: 1231479

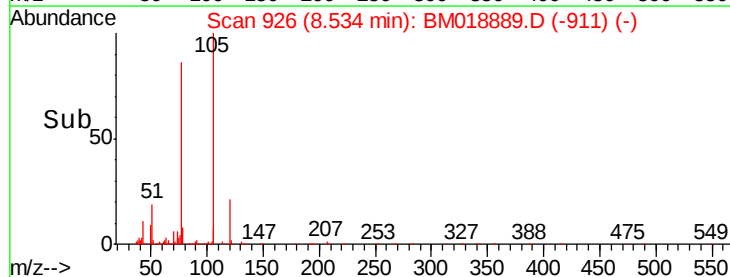
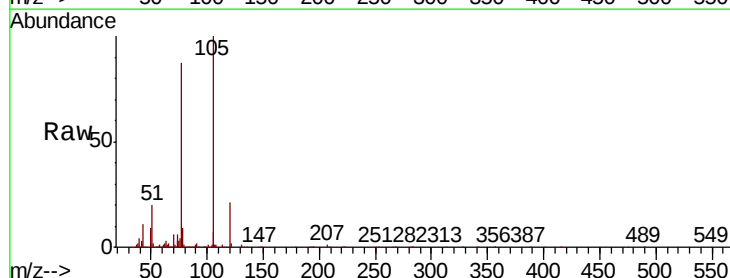
Ion Ratio Lower Upper

105 100

71 1.0 1.1 1.7#

51 19.6 15.5 23.3

120 21.3 17.0 25.4



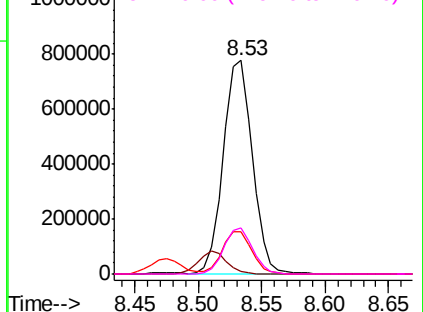
Abundance

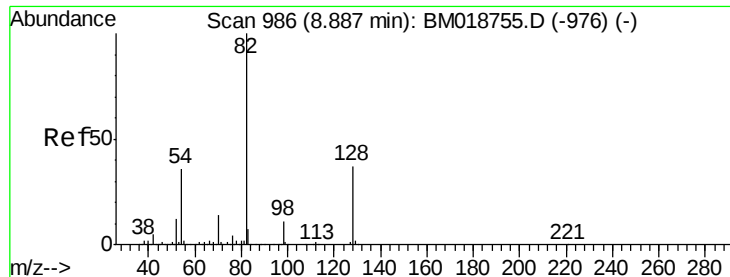
Ion 105.00 (104.70 to 105.70): E

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: 81.941 ng

RT: 8.87 min Scan# 983

Delta R.T. -0.02 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Instrument :

BNA_M

ClientSampleId :

SOIL-PILEMS

Tot Ion: 82 Resp: 2339610

Ion Ratio Lower Upper

82 100

128 36.3 29.9 44.9

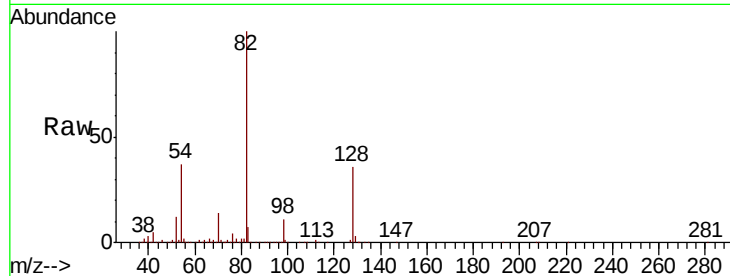
54 37.0 29.1 43.7

Manual Integrations

APPROVED

Sohil

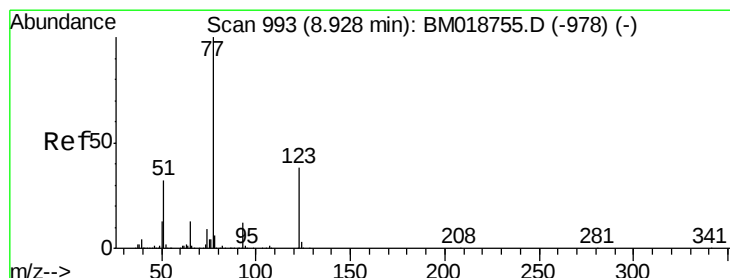
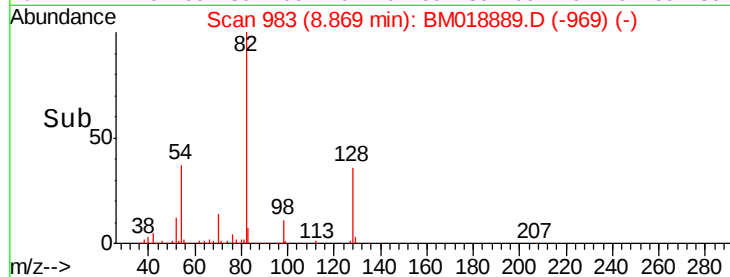
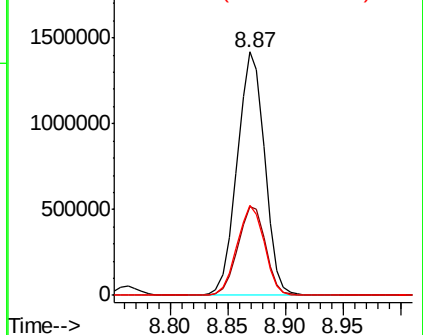
2/21/2019 10:08:59 AM



Abundance Ion 82.00 (81.70 to 82.70): BM018889.D (-969) (-)

Ion 128.00 (127.70 to 128.70): BM018889.D (-969) (-)

Ion 54.00 (53.70 to 54.70): BM018889.D (-969) (-)



#24

Nitrobenzene

Concen: 36.028 ng

RT: 8.91 min Scan# 990

Delta R.T. -0.02 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

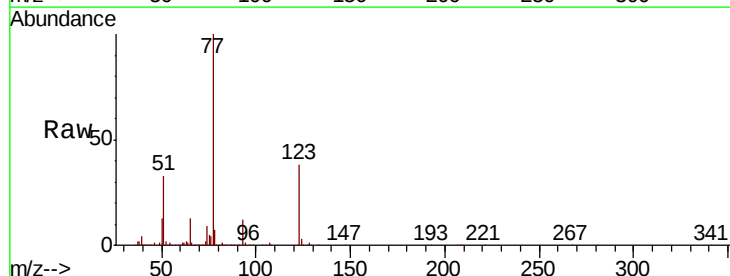
Tgt Ion: 77 Resp: 1067779

Ion Ratio Lower Upper

77 100

123 38.3 30.7 46.1

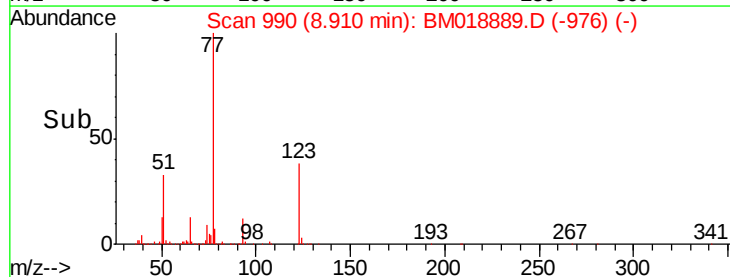
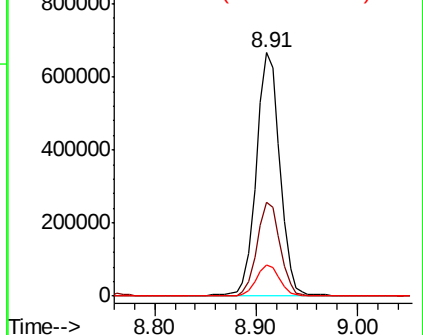
65 12.9 10.5 15.7

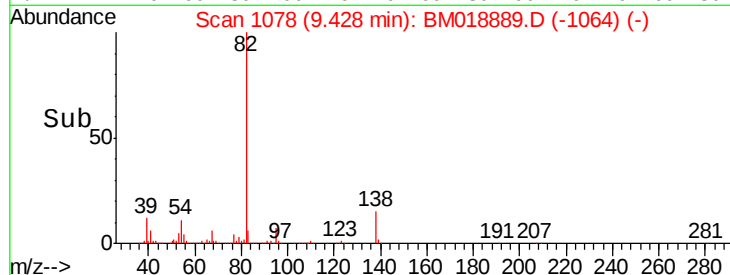
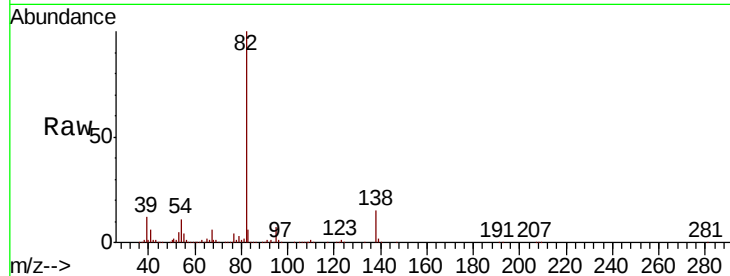
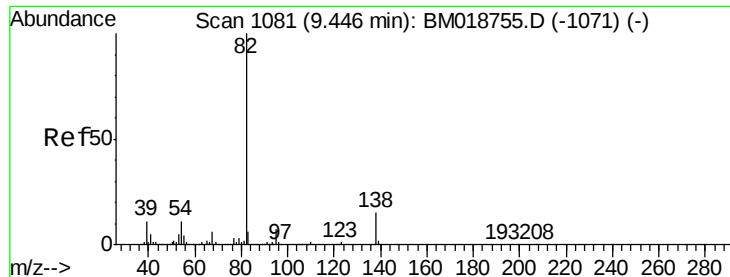


Abundance Ion 77.00 (76.70 to 77.70): BM018889.D (-976) (-)

Ion 123.00 (122.70 to 123.70): BM018889.D (-976) (-)

Ion 65.00 (64.70 to 65.70): BM018889.D (-976) (-)





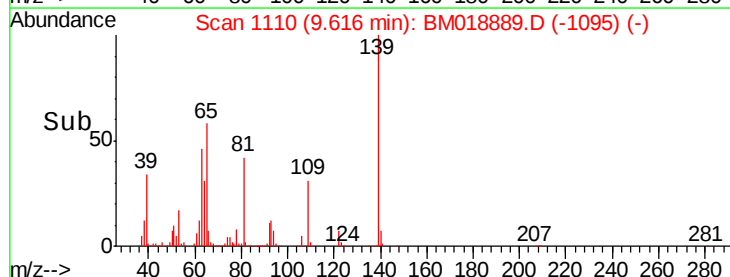
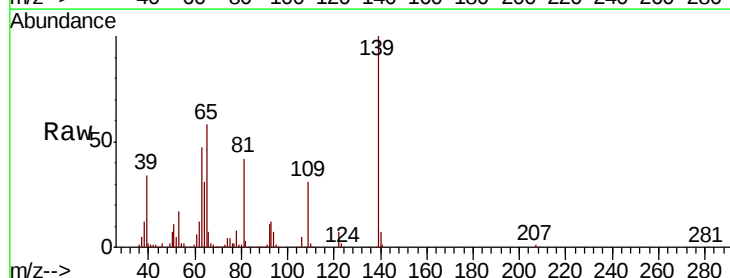
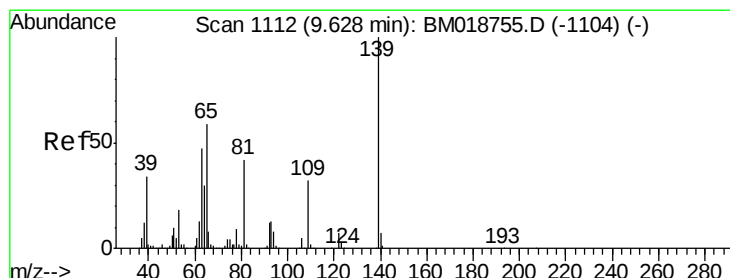
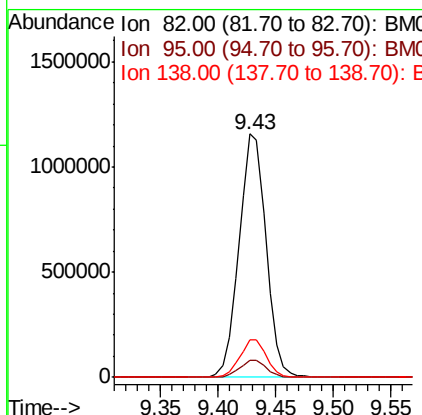
#25
Isophorone
Concen: 41.144 ng
RT: 9.43 min Scan# 1078
Delta R.T. -0.02 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Tot Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.7	8.5
138	15.2	12.3	18.5

Instrument :
BNA_M
ClientSampleId :
SOIL-PILEMS

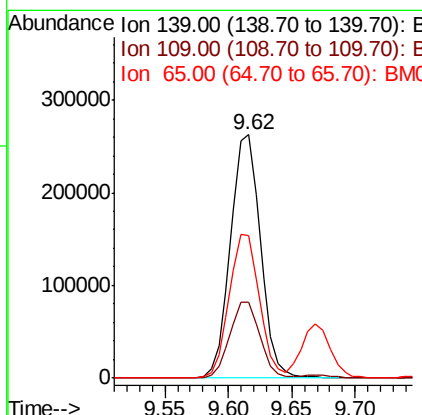
Manual Integrations
APPROVED

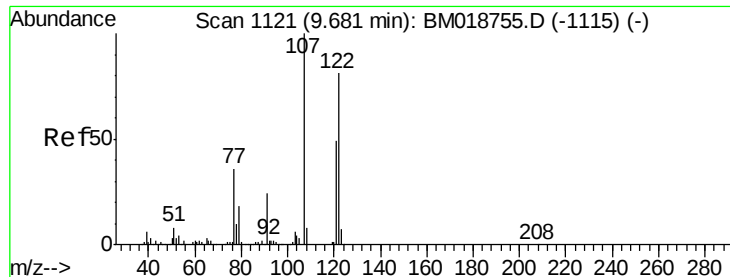
Sohil
2/21/2019 10:08:59 AM



#26
2-Nitrophenol
Concen: 36.640 ng
RT: 9.62 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Tgt Ion	Ratio	Lower	Upper
139	100		
109	31.2	25.2	37.8
65	58.5	47.0	70.4





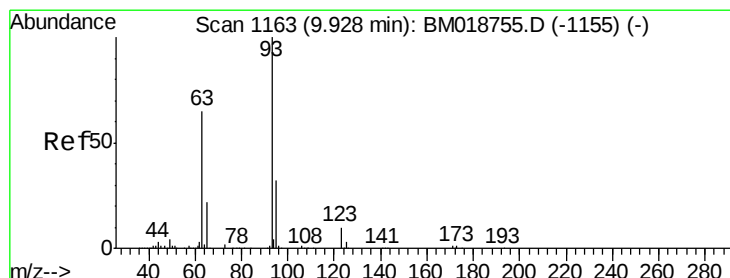
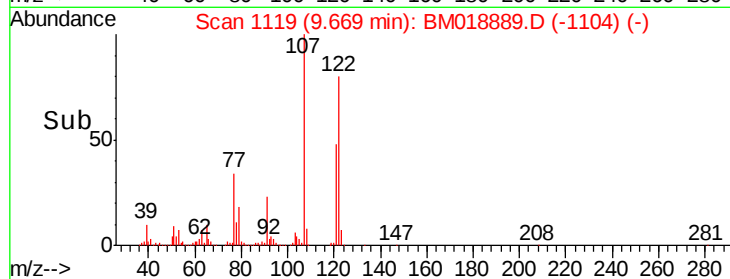
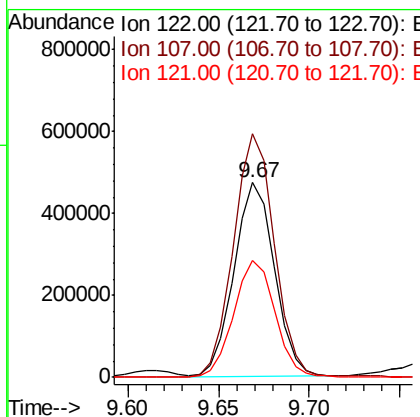
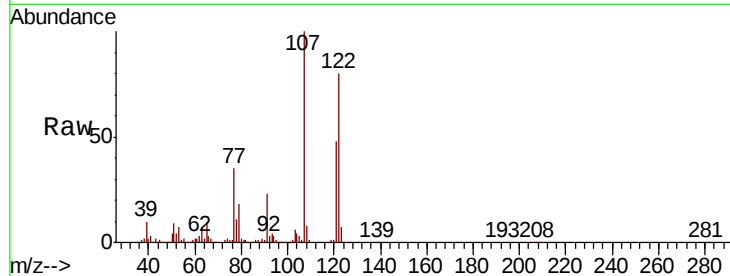
#27
 2,4-Dimethylphenol
 Concen: 42.651 ng
 RT: 9.67 min Scan# 1119
 Delta R.T. -0.01 min
 Lab File: BM018889.D
 Acq: 20 Feb 2019 18:28

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
122	100		
107	125.2	97.6	146.4
121	60.0	47.9	71.9

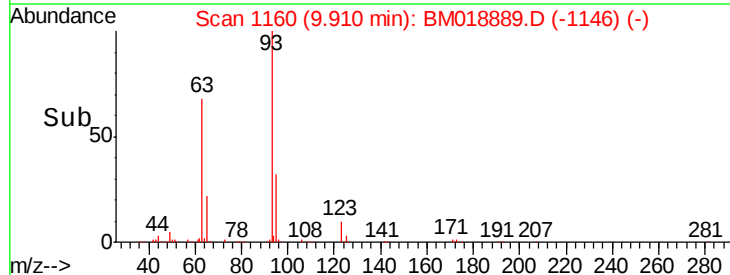
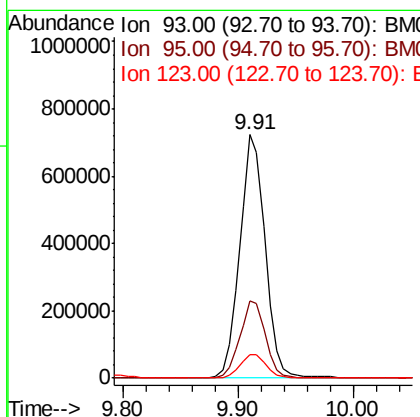
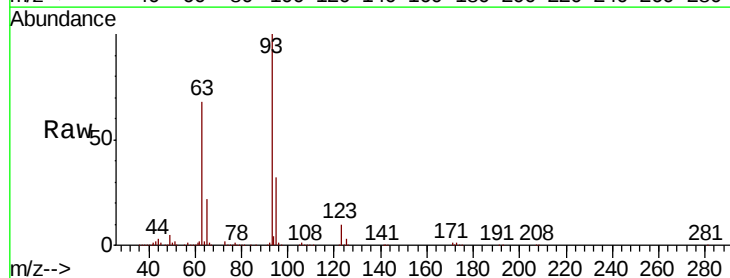
Manual Integrations
 APPROVED

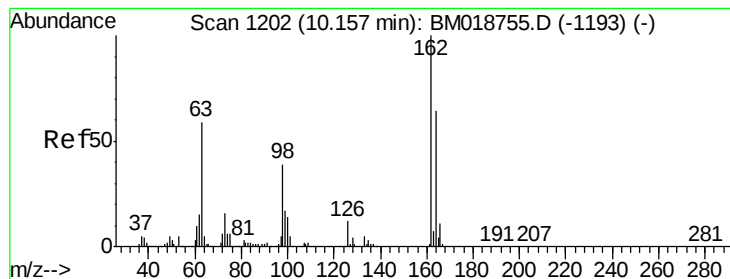
Sohil
 2/21/2019 10:08:59 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 37.291 ng
 RT: 9.91 min Scan# 1160
 Delta R.T. -0.02 min
 Lab File: BM018889.D
 Acq: 20 Feb 2019 18:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.8	25.6	38.4
123	9.9	8.2	12.4





#29

2,4-Dichlorophenol

Concen: 38.691 ng

RT: 10.14 min Scan# 1199

Delta R.T. -0.02 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Instrument :

BNA_M

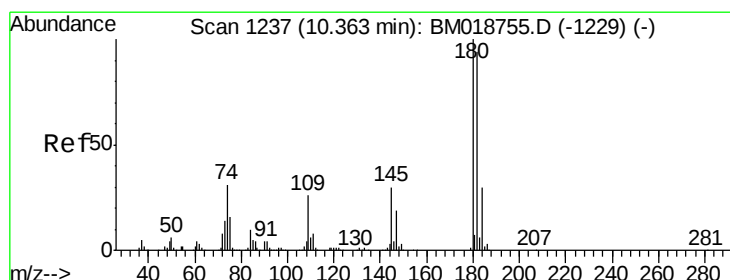
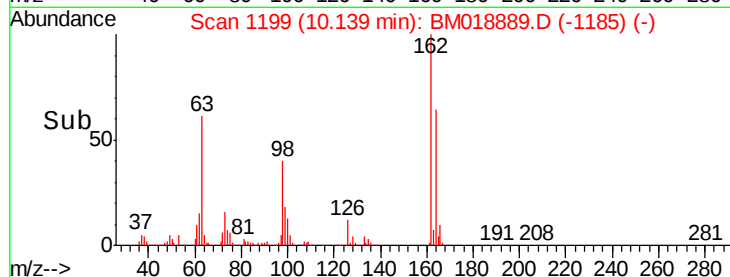
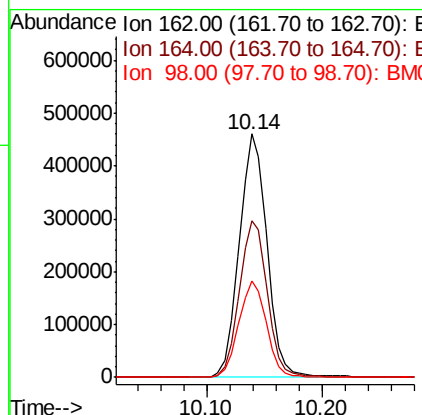
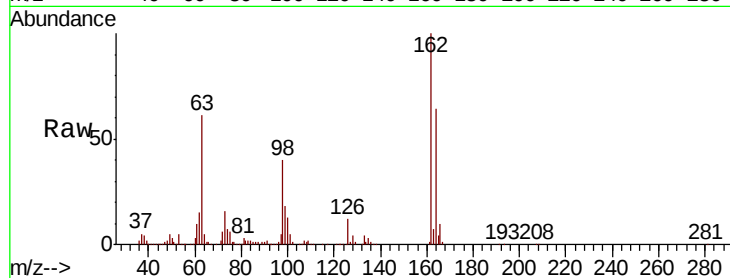
ClientSampled :

SOIL-PILEMS

Tot Ion:	162	Resp:	765849
Ion Ratio	Lower	Upper	
162	100		
164	64.2	44.1	84.1
98	39.5	19.4	59.4

Manual Integrations
APPROVED

Sohil
2/21/2019 10:08:59 AM



#30

1,2,4-Trichlorobenzene

Concen: 34.539 ng

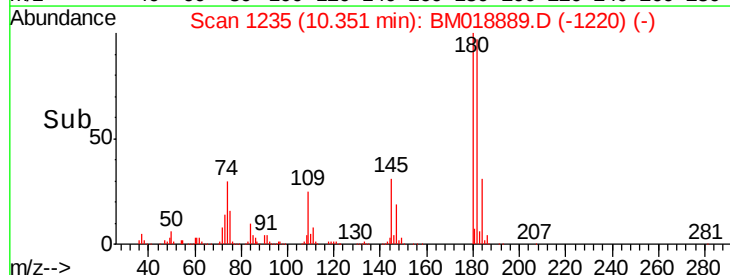
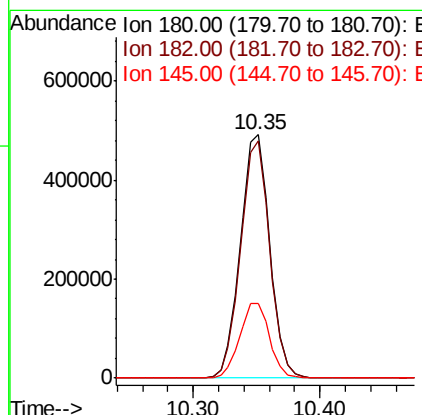
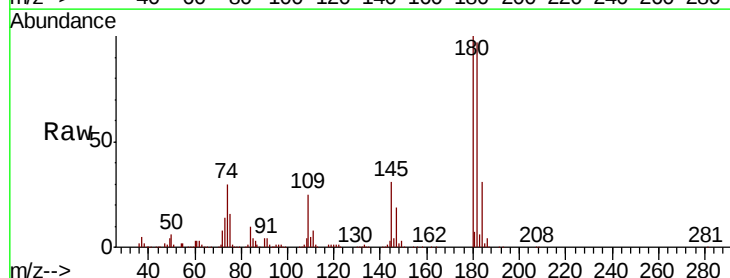
RT: 10.35 min Scan# 1235

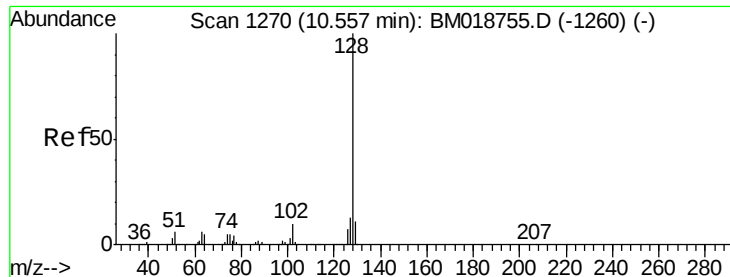
Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Tgt Ion:	180	Resp:	789533
Ion Ratio	Lower	Upper	
180	100		
182	97.4	75.0	112.6
145	30.7	24.1	36.1





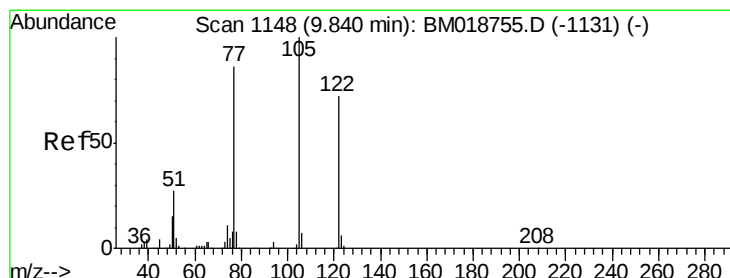
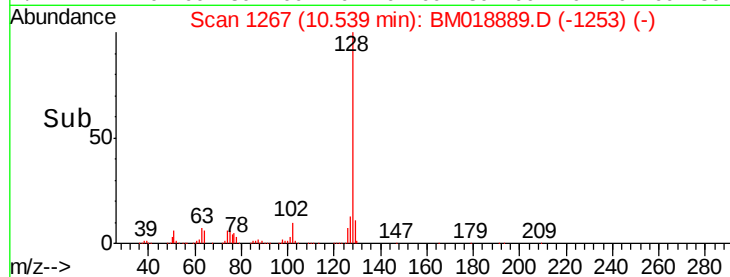
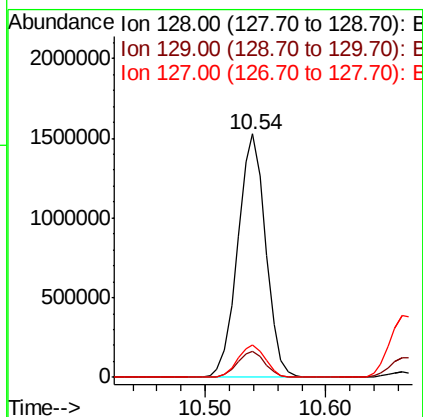
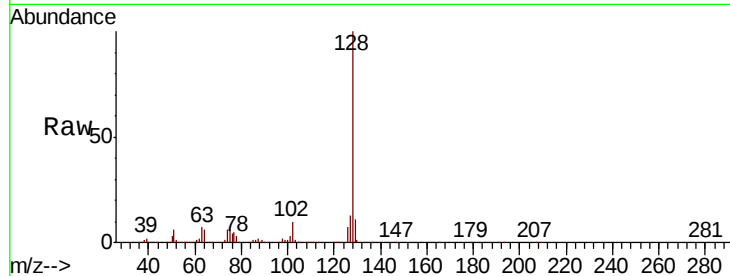
#31
Naphthalene
Concen: 38.210 ng
RT: 10.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Instrument :
BNA_M
ClientSampleId :
SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.4
127	13.3	10.7	16.1

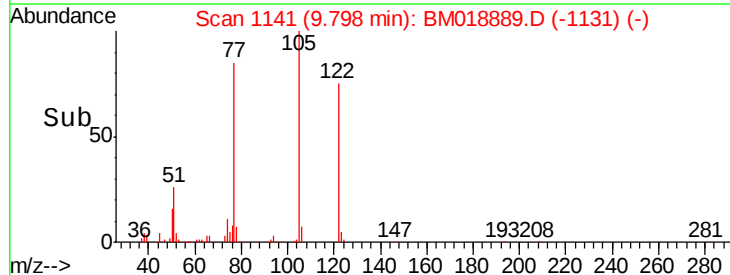
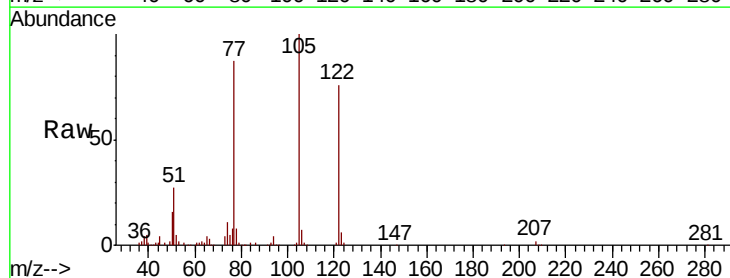
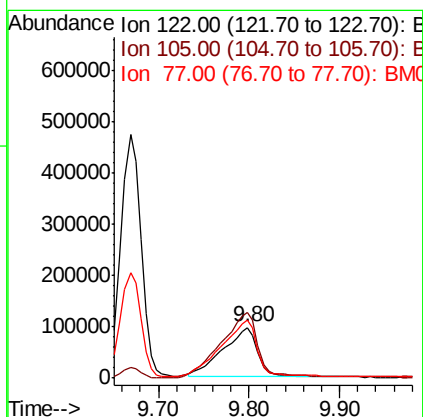
Manual Integrations
APPROVED

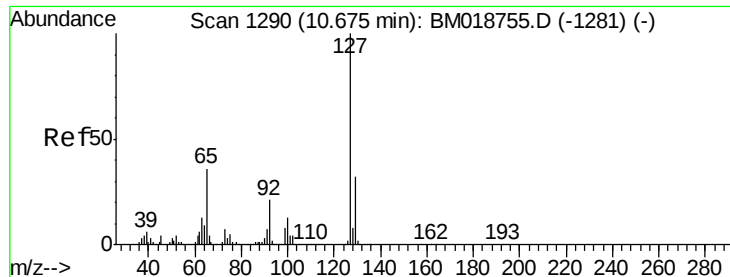
Sohil
2/21/2019 10:08:59 AM



#32
Benzoic acid
Concen: 16.979 ng
RT: 9.80 min Scan# 1141
Delta R.T. -0.04 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Tgt Ion	Ratio	Lower	Upper
122	100		
105	131.2	117.5	157.5
77	114.3	98.5	138.5





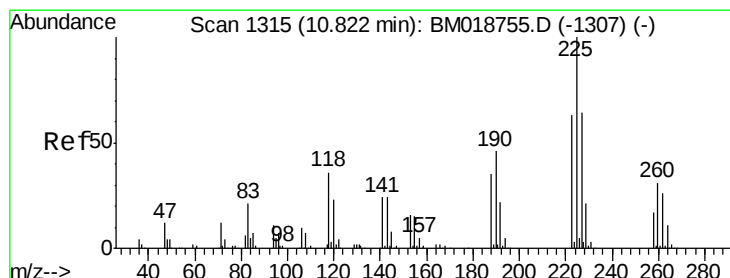
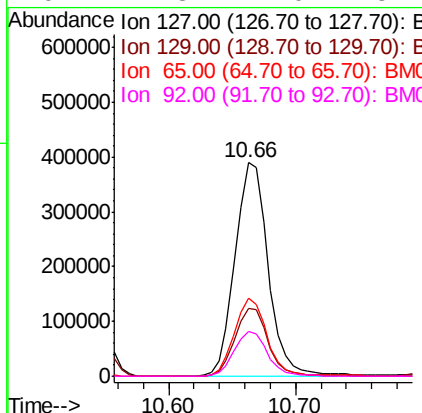
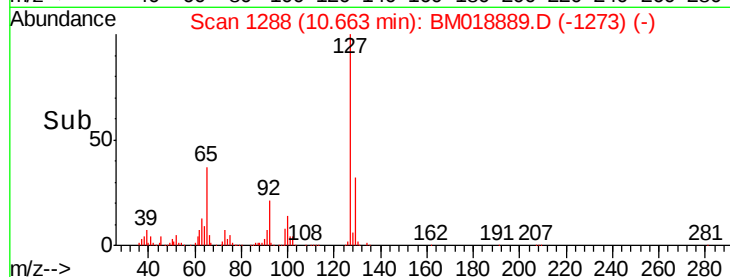
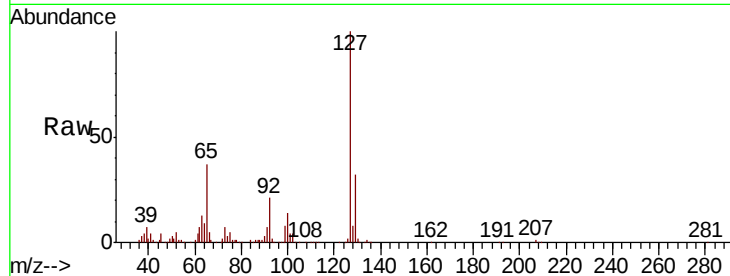
#33
4-Chloroaniline
Concen: 24.497 ng
RT: 10.66 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Instrument :
BNA_M
ClientSampleId :
SOIL-PILEMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.9	25.7	38.5		
65	36.7	28.7	43.1		
92	21.3	17.0	25.4		

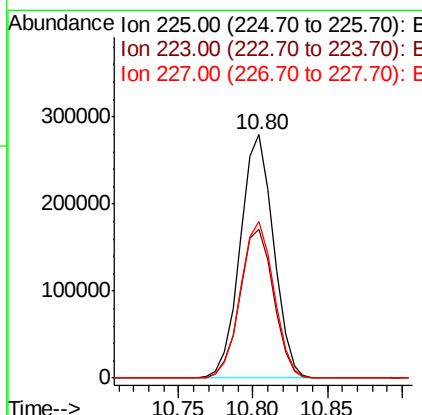
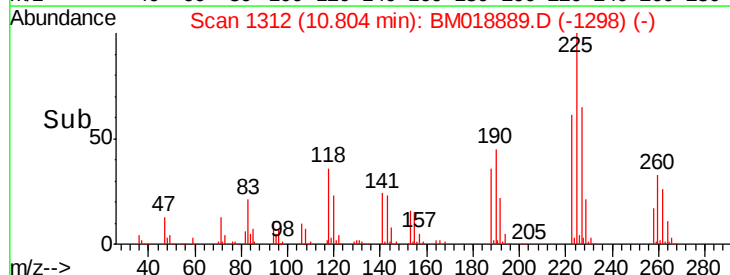
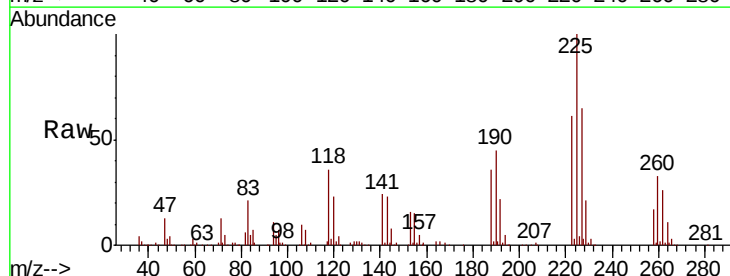
Manual Integrations
APPROVED

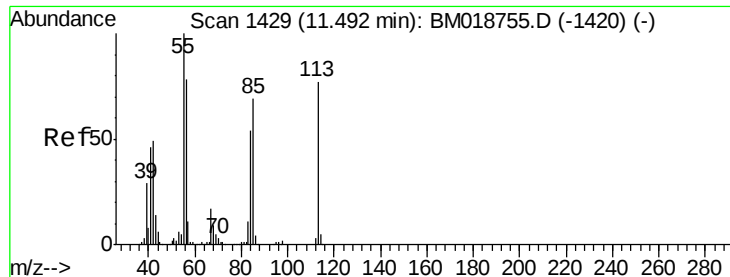
Sohil
2/21/2019 10:08:59 AM



#34
Hexachlorobutadiene
Concen: 32.634 ng
RT: 10.80 min Scan# 1312
Delta R.T. -0.02 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	61.1	50.1	75.1		
227	64.6	51.4	77.0		





#35

Caprolactam

Concen: 31.422 ng m

RT: 11.48 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Instrument :

BNA_M

ClientSampleId :

SOIL-PILEMS

Tot Ion:113 Resp: 253838

Ion Ratio Lower Upper

113 100

55 138.6 110.7 150.7

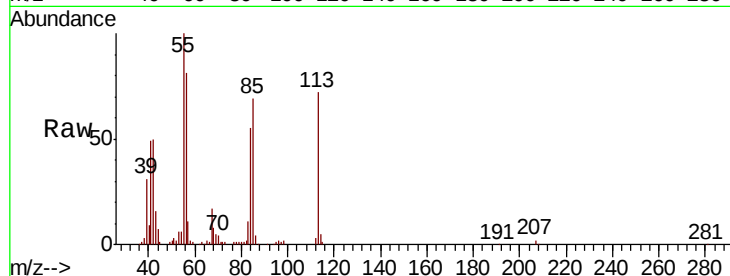
56 111.6 82.4 122.4

Manual Integrations

APPROVED

Sohil

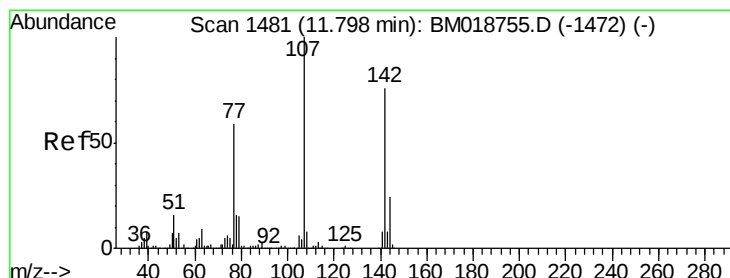
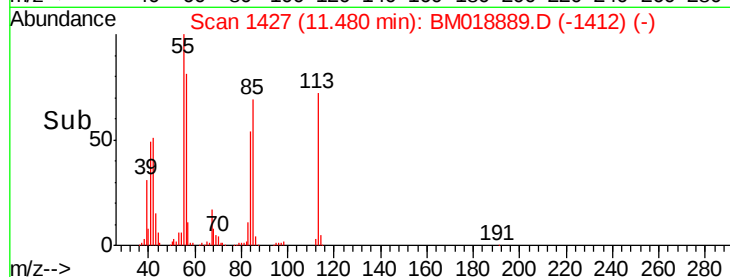
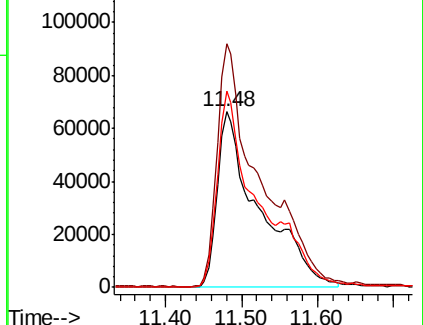
2/21/2019 10:08:59 AM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM

Ion 56.00 (55.70 to 56.70): BM



#36

4-Chloro-3-methylphenol

Concen: 37.696 ng

RT: 11.79 min Scan# 1479

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

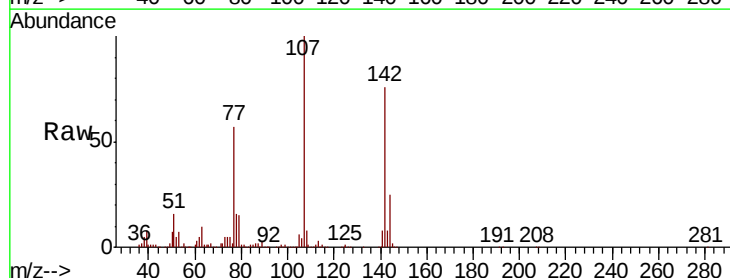
Tgt Ion:107 Resp: 899622

Ion Ratio Lower Upper

107 100

144 24.5 19.3 28.9

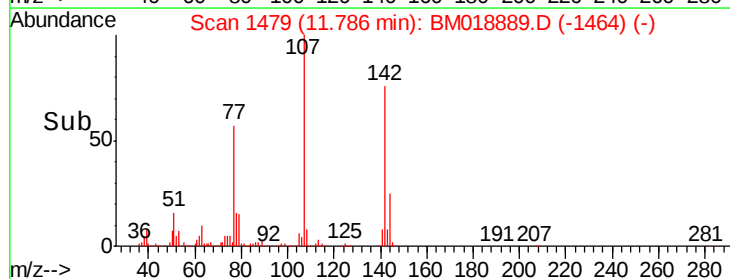
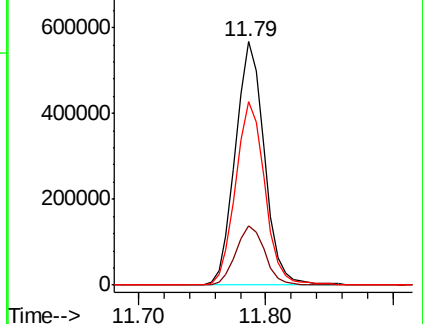
142 75.6 60.5 90.7

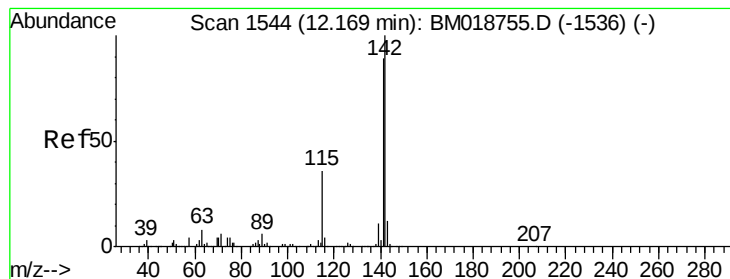


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 39.999 ng

RT: 12.16 min Scan# 1542

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Instrument :

BNA_M

ClientSampled :

SOIL-PILEMS

Tot Ion:142 Resp: 1813303

Ion Ratio Lower Upper

142 100

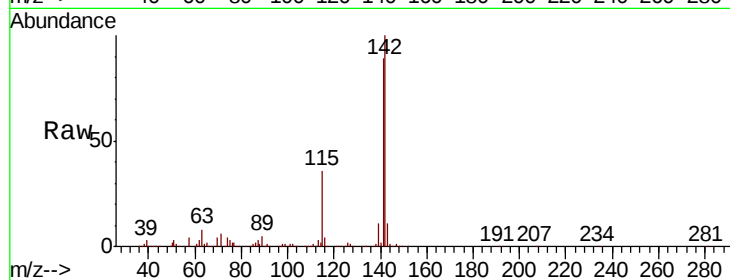
141 88.9 71.2 106.8

115 35.6 29.1 43.7

Manual Integrations
APPROVED

Sohil

2/21/2019 10:08:59 AM

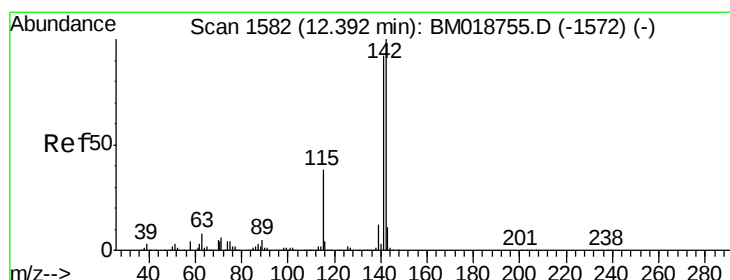
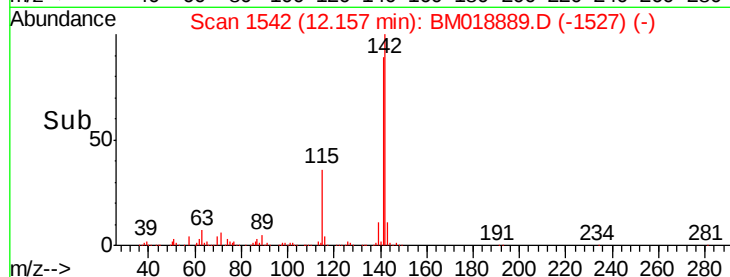
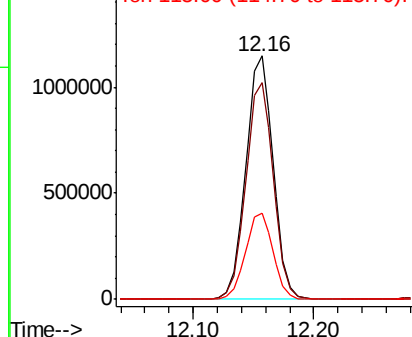


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 38.760 ng

RT: 12.37 min Scan# 1579

Delta R.T. -0.02 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

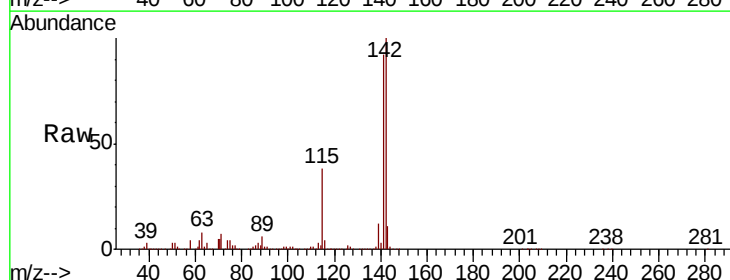
Tgt Ion:142 Resp: 1718254

Ion Ratio Lower Upper

142 100

141 92.2 73.9 110.9

116 3.9 3.0 4.4

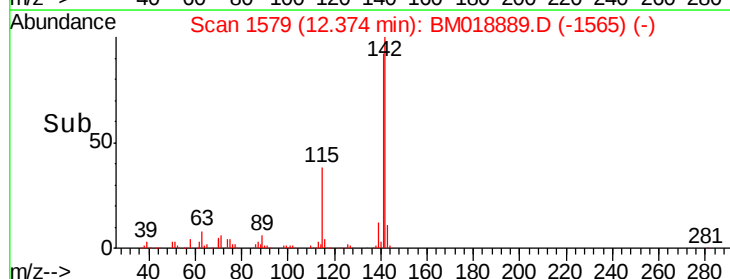
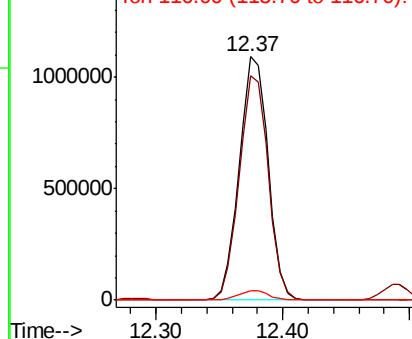


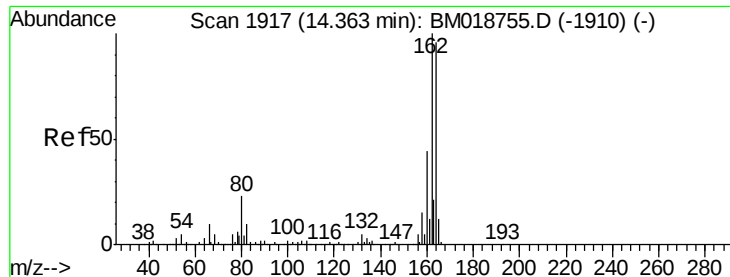
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.35 min Scan# 1915

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Instrument :

BNA_M

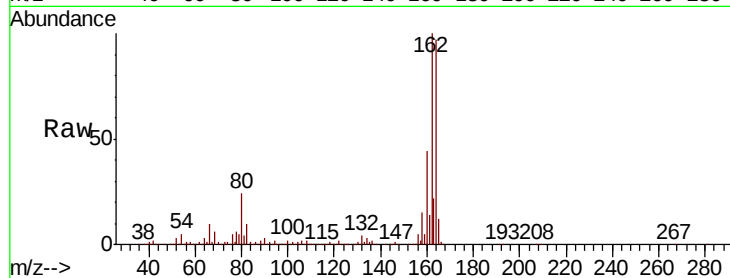
ClientSampleId :

SOIL-PILEMS

Tot Ion:	164	Resp:	757157
Ion Ratio	Lower	Upper	
164	100		
162	103.4	83.4	125.0
160	46.0	36.6	55.0

Manual Integrations
APPROVED

Sohil
2/21/2019 10:08:59 AM

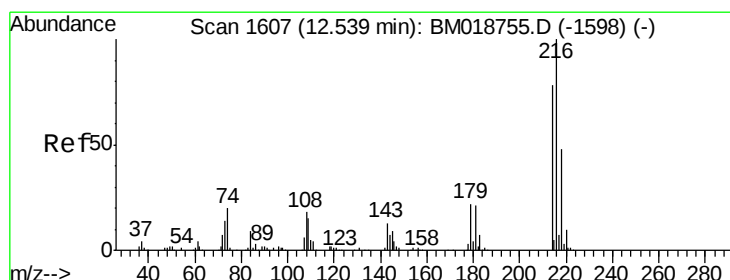
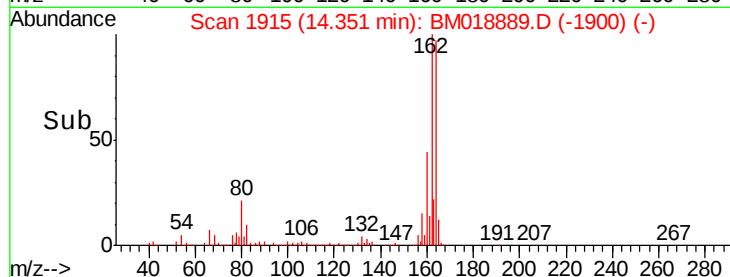
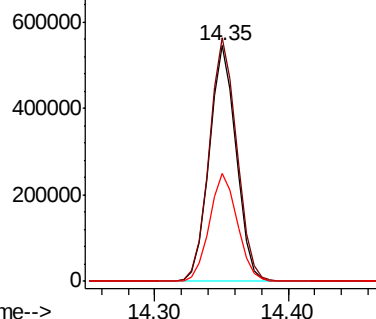


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 35.298 ng

RT: 12.52 min Scan# 1604

Delta R.T. -0.02 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Tgt Ion:	216	Resp:	854942
Ion Ratio	Lower	Upper	
216	100		
214	78.5	63.2	94.8
179	22.5	17.8	26.8
108	22.2	16.4	24.6

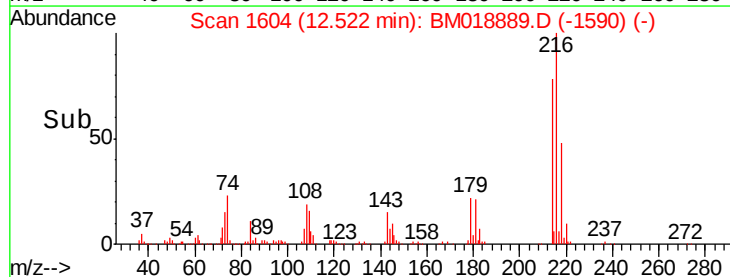
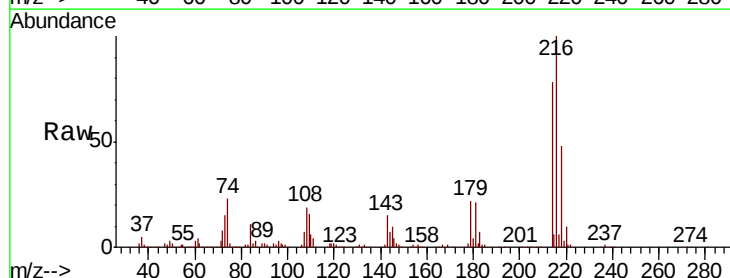
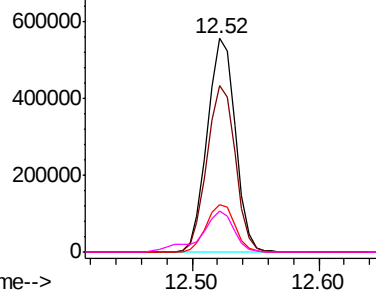
Abundance

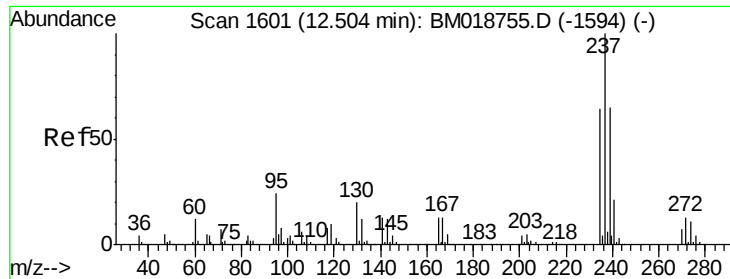
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 68.102 ng

RT: 12.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Instrument :

BNA_M

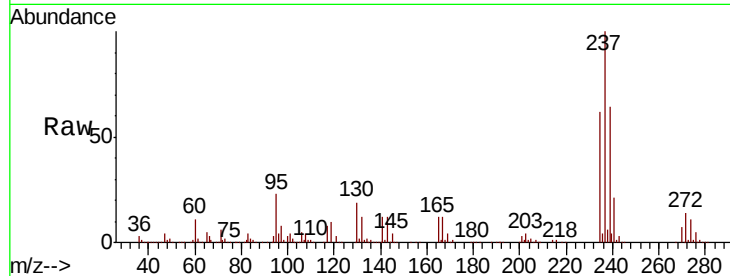
ClientSampleId :

SOIL-PILEMS

Tot Ion:	237	Resp:	843335
Ion Ratio	Lower	Upper	
237	100		
235	62.1	43.7	83.7
272	13.7	0.0	33.3

Manual Integrations
APPROVED

Sohil
2/21/2019 10:08:59 AM

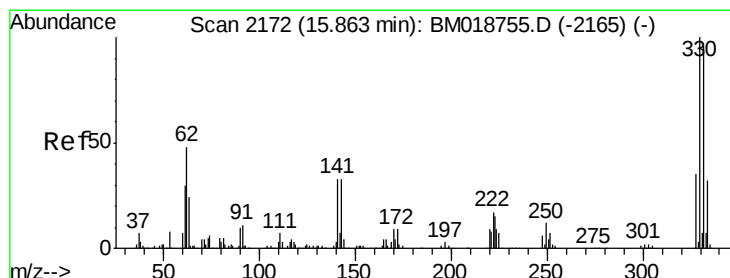
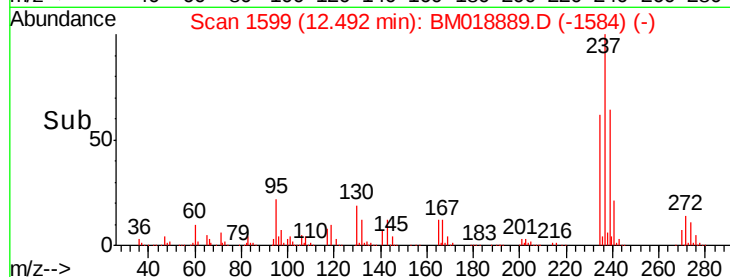
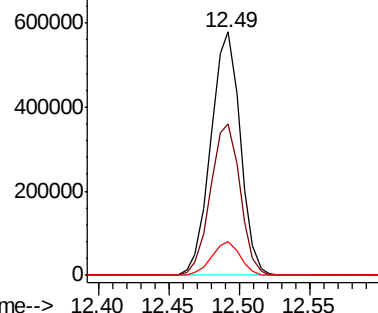


Abundance

Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 130.251 ng

RT: 15.85 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

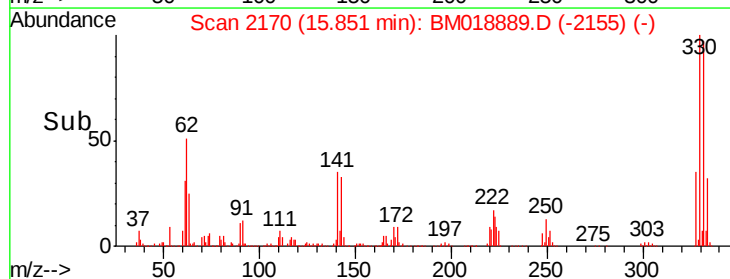
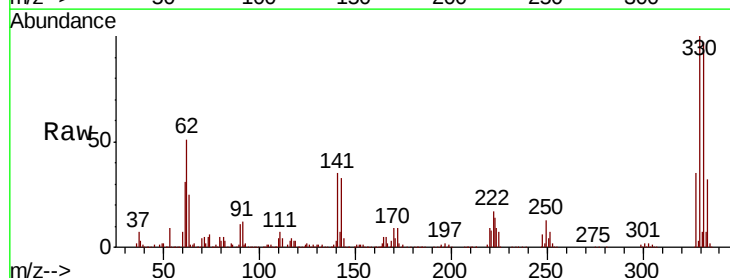
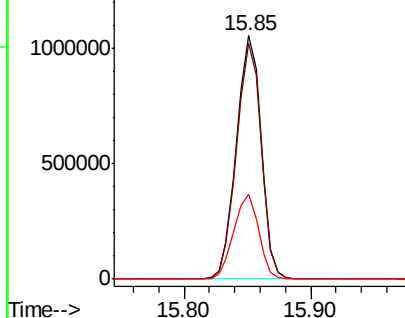
Tgt Ion:	330	Resp:	1421583
Ion Ratio	Lower	Upper	
330	100		
332	96.8	76.9	115.3
141	35.1	28.7	43.1

Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





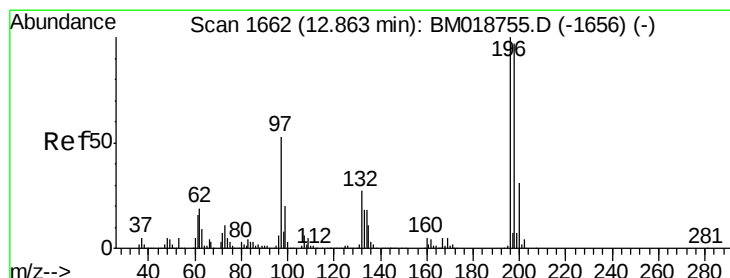
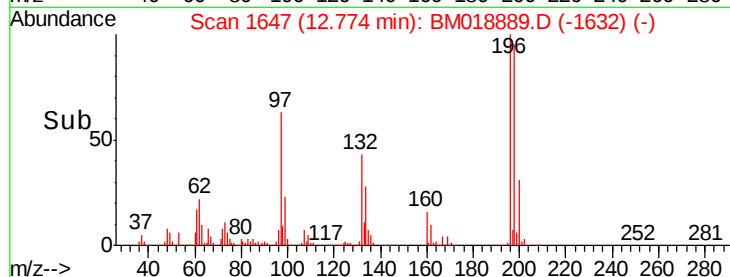
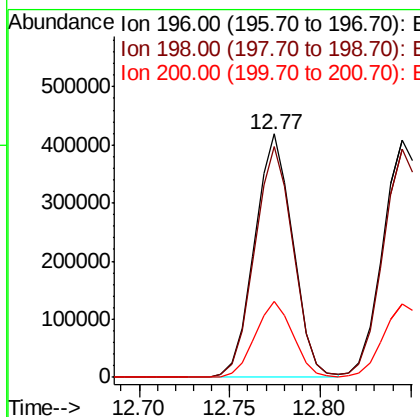
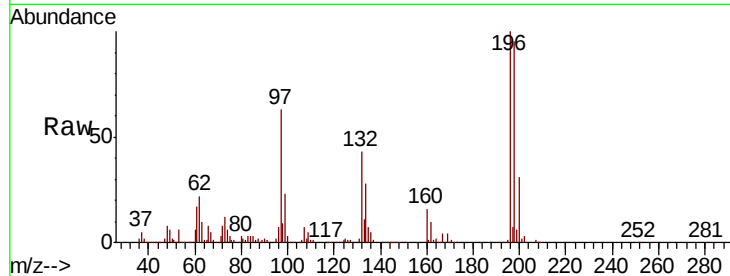
#43
2,4,6-Trichlorophenol
Concen: 38.272 ng
RT: 12.77 min Scan# 1647
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Instrument :
BNA_M
ClientSampleId :
SOIL-PILEMS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	613652		
198	94.7	76.2	114.2	
200	31.2	24.2	36.2	

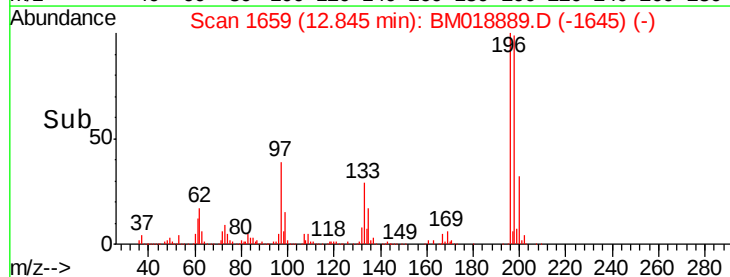
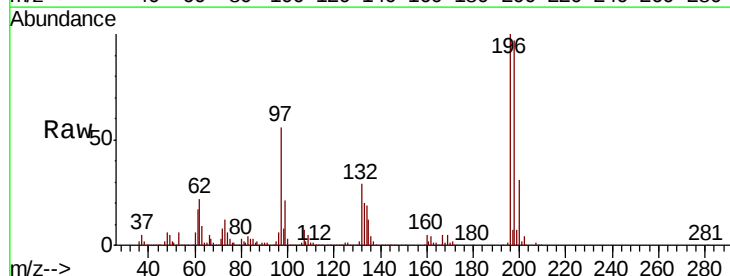
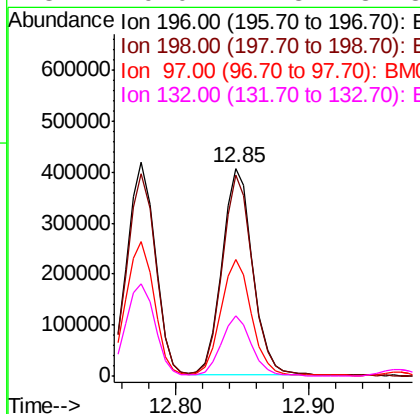
Manual Integrations
APPROVED

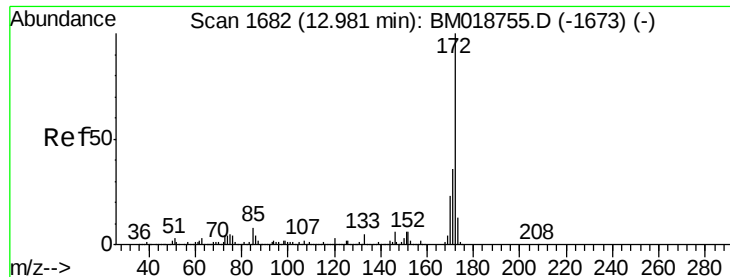
Sohil
2/21/2019 10:08:59 AM



#44
2,4,5-Trichlorophenol
Concen: 38.885 ng
RT: 12.85 min Scan# 1659
Delta R.T. -0.02 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	653497		
198	96.7	77.6	116.4	
97	56.0	42.8	64.2	
132	29.0	21.8	32.8	





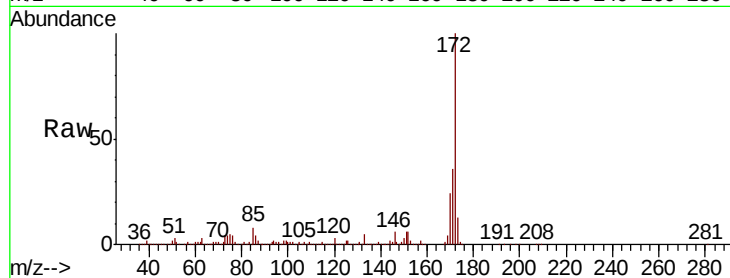
#45
2-Fluorobiphenyl
Concen: 74.953 ng
RT: 12.97 min Scan# 1680
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Instrument :
BNA_M
ClientSampleId :
SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.6
170	23.6	18.6	28.0

Manual Integrations
APPROVED

Sohil
2/21/2019 10:08:59 AM

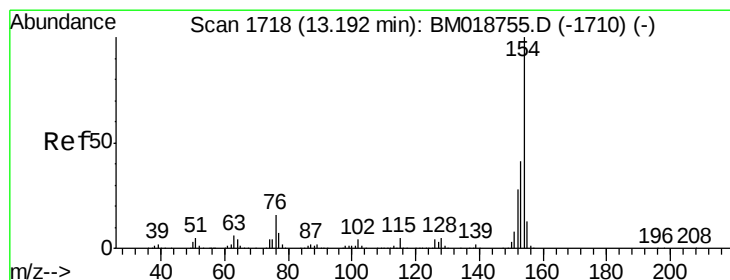
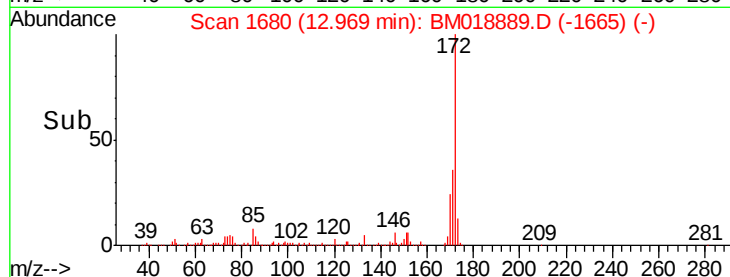
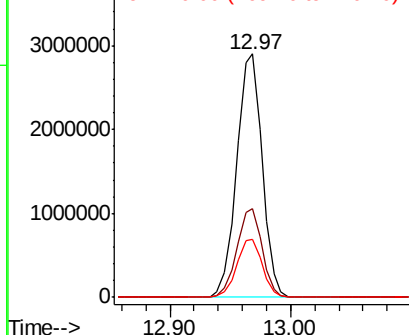


Abundance

Ion 172.00 (171.70 to 172.70): E

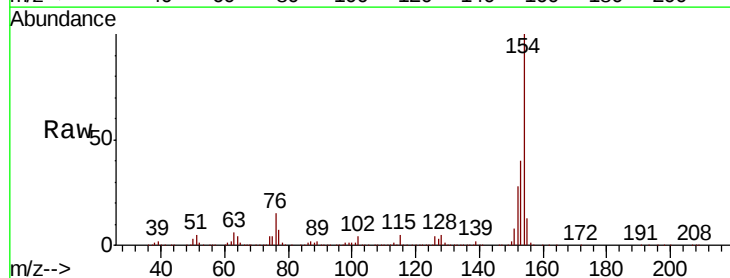
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 35.292 ng
RT: 13.18 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.3	21.1	61.1
76	15.1	0.0	35.7

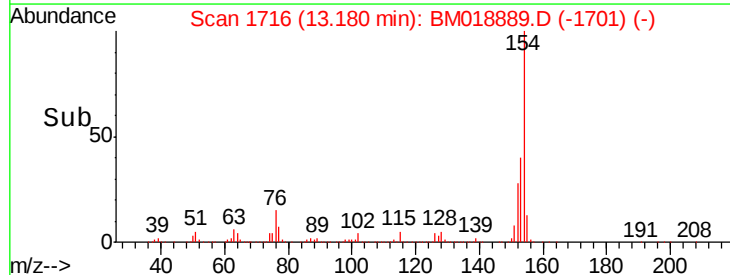
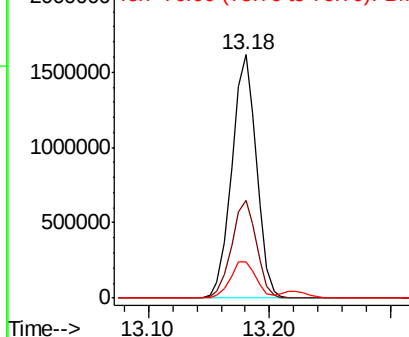


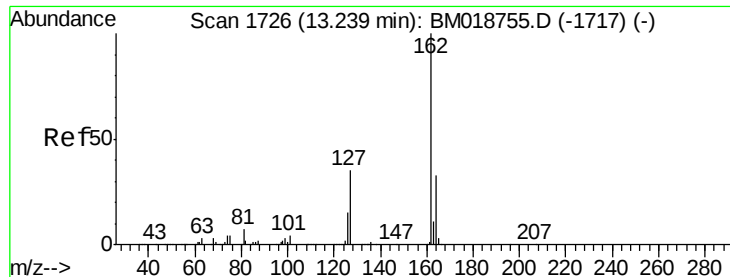
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM0





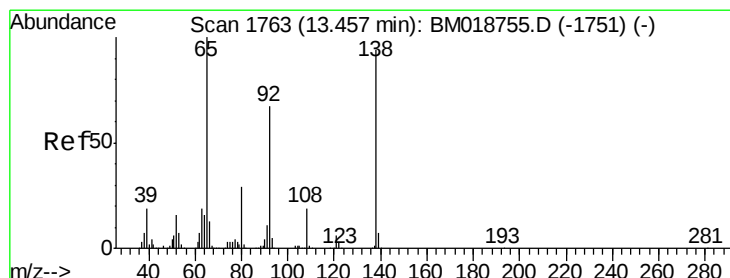
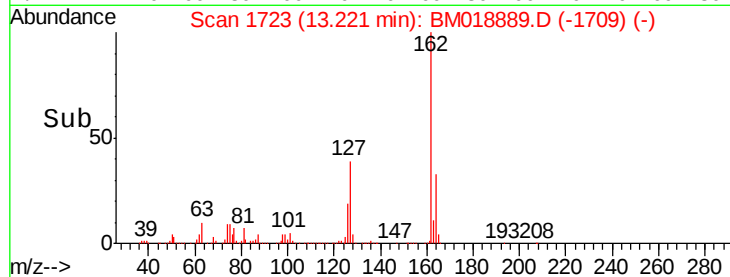
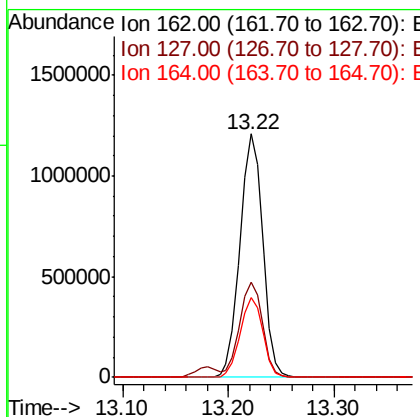
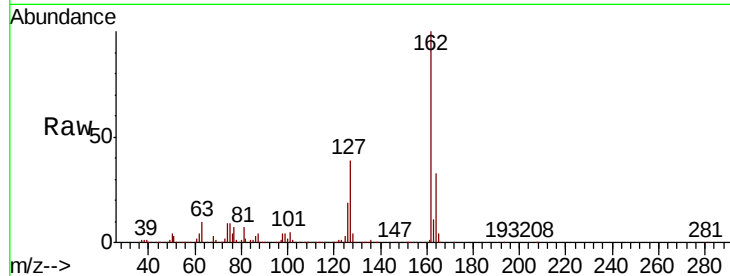
#47
 2-Chloronaphthalene
 Concen: 35.707 ng
 RT: 13.22 min Scan# 1723
 Delta R.T. -0.02 min
 Lab File: BM018889.D
 Acq: 20 Feb 2019 18:28

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
162	100		
127	39.3	31.1	46.7
164	33.0	26.4	39.6

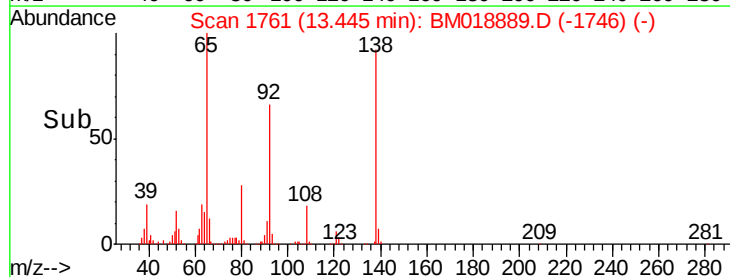
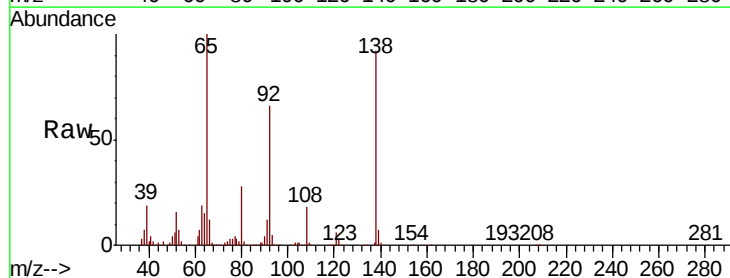
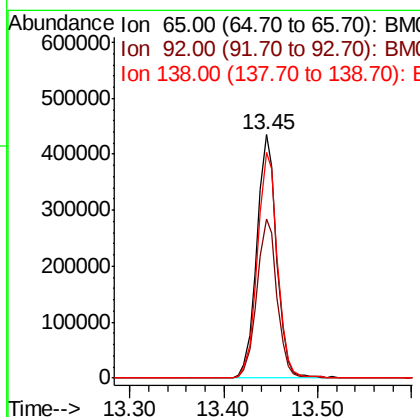
Manual Integrations
 APPROVED

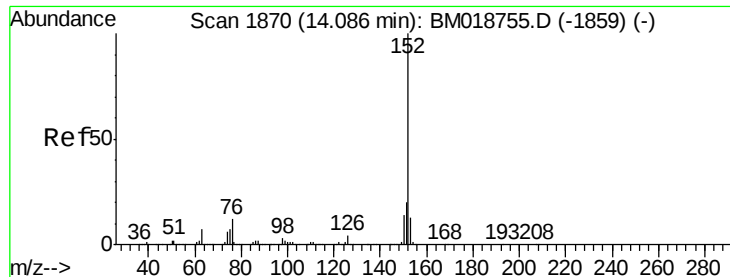
Sohil
 2/21/2019 10:08:59 AM



#48
 2-Nitroaniline
 Concen: 38.286 ng
 RT: 13.45 min Scan# 1761
 Delta R.T. -0.01 min
 Lab File: BM018889.D
 Acq: 20 Feb 2019 18:28

Tgt Ion	Ratio	Lower	Upper
65	100		
92	65.5	54.0	81.0
138	92.5	74.9	112.3





#49

Acenaphthylene

Concen: 39.141 ng

RT: 14.07 min Scan# 1868

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Instrument :

BNA_M

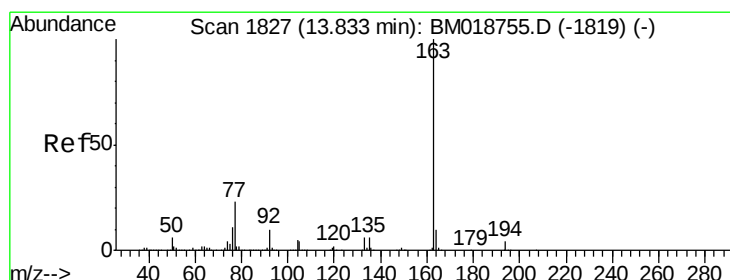
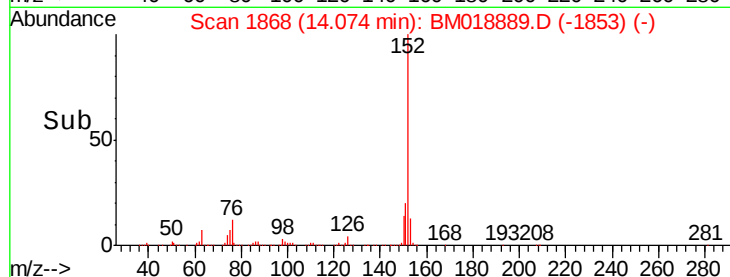
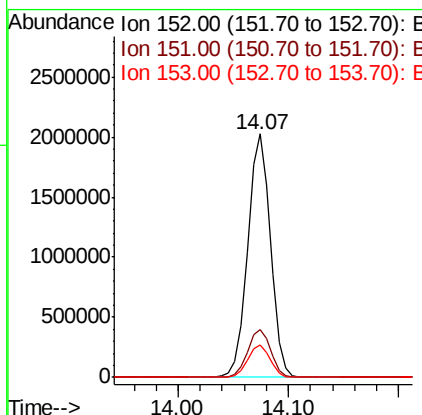
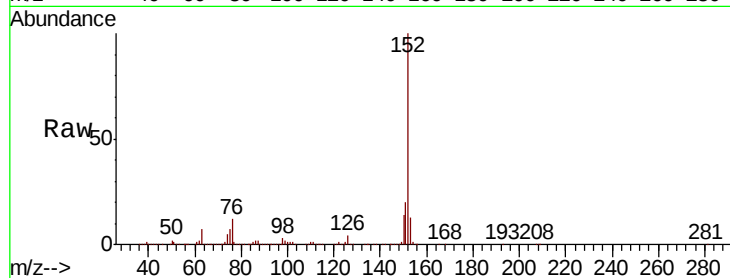
ClientSampled :

SOIL-PILEMS

Tot Ion:	152	Resp:	2933857
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	13.2	10.5	15.7

Manual Integrations
APPROVED

Sohil
2/21/2019 10:08:59 AM



#50

Dimethylphthalate

Concen: 40.081 ng

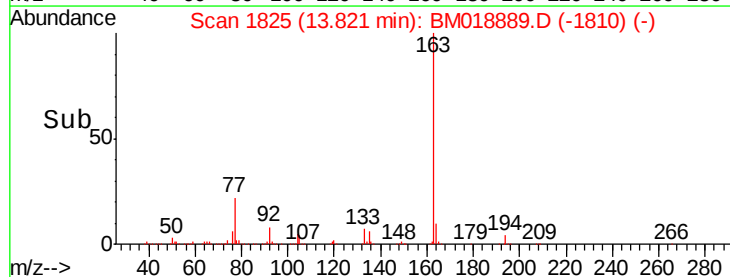
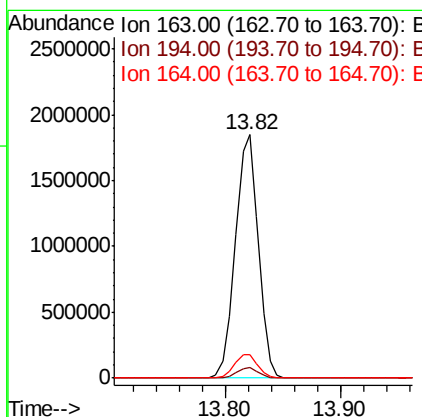
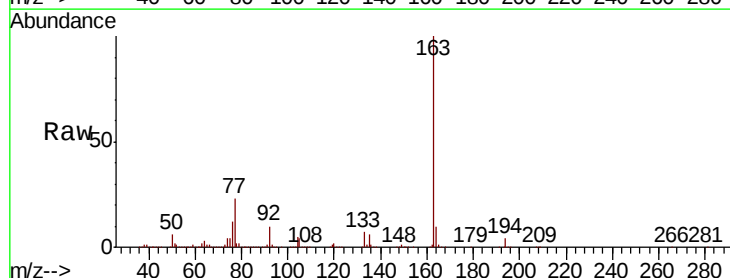
RT: 13.82 min Scan# 1825

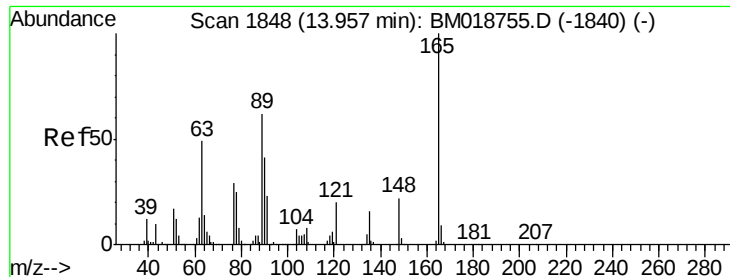
Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Tgt Ion:	163	Resp:	2529158
Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	9.8	7.8	11.8





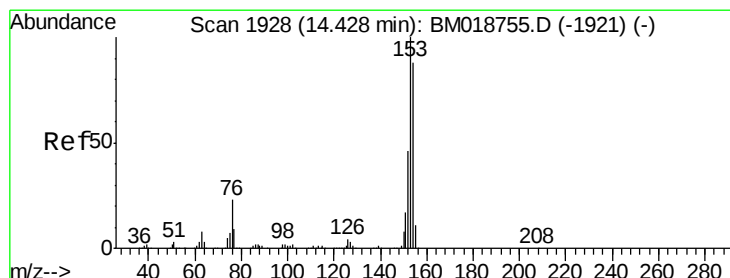
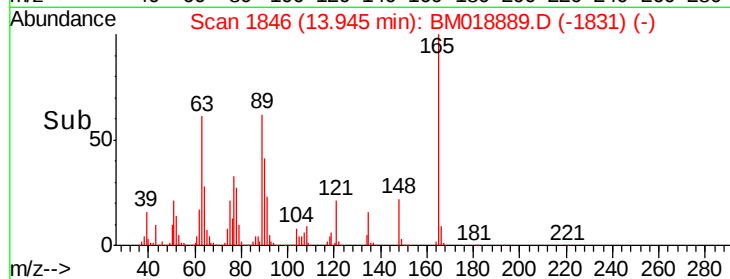
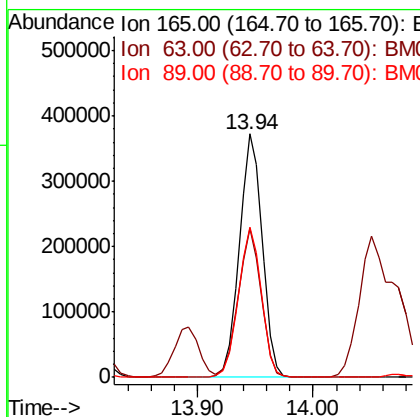
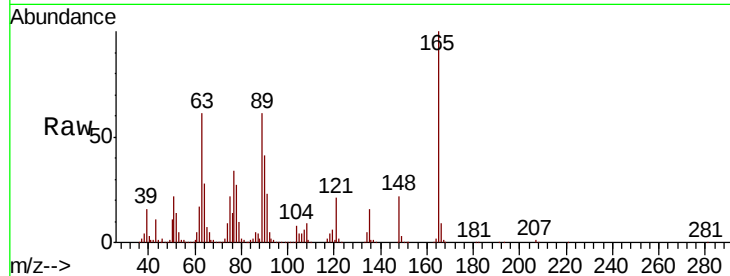
#51
2,6-Dinitrotoluene
Concen: 37.264 ng
RT: 13.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Instrument :
BNA_M
ClientSampleId :
SOIL-PILEMS

Tot Ion:	165	Resp:	509370
Ion Ratio	Lower	Upper	
165	100		
63	61.1	48.9	73.3
89	61.5	49.4	74.0

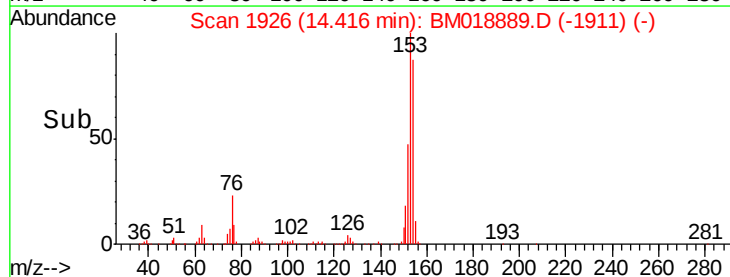
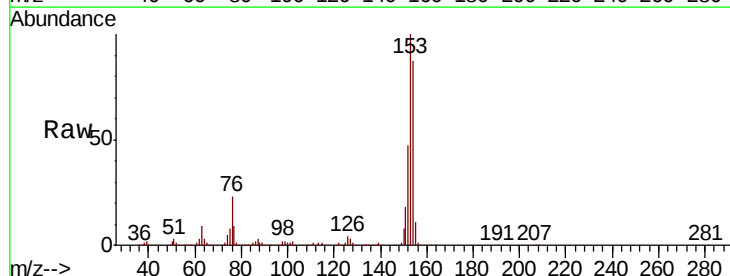
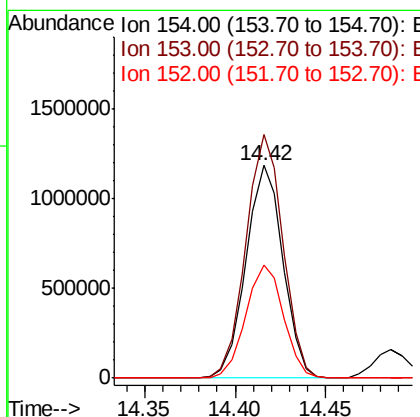
Manual Integrations
APPROVED

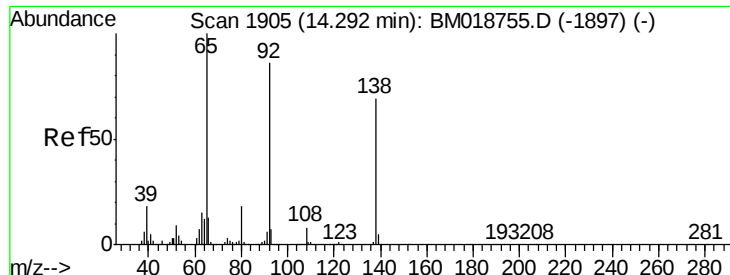
Sohil
2/21/2019 10:08:59 AM



#52
Acenaphthene
Concen: 36.659 ng
RT: 14.42 min Scan# 1926
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Tgt Ion:	154	Resp:	1684926
Ion Ratio	Lower	Upper	
154	100		
153	114.4	91.3	136.9
152	53.4	42.2	63.4





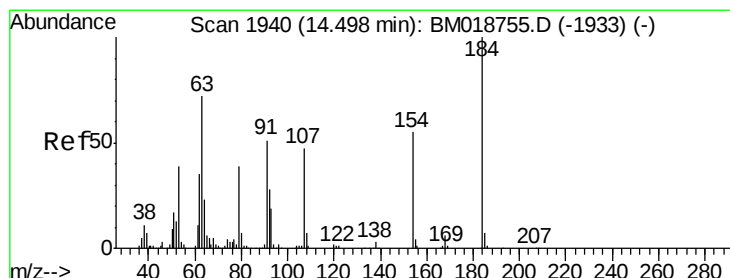
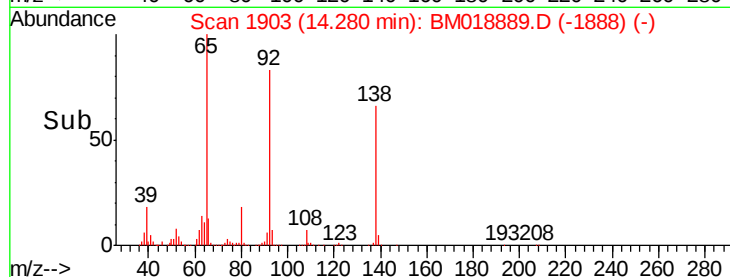
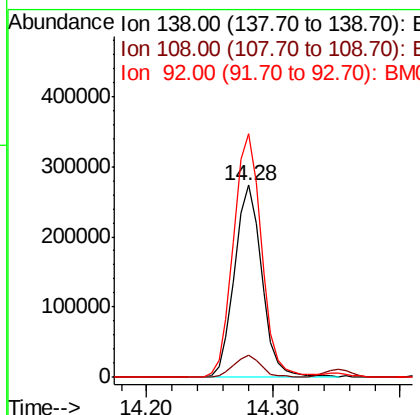
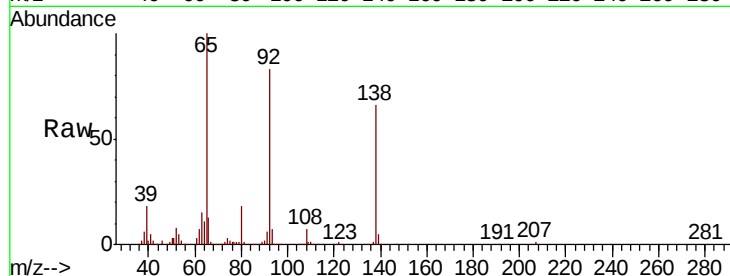
#53
3-Nitroaniline
Concen: 26.523 ng
RT: 14.28 min Scan# 1903
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Instrument :
BNA_M
ClientSampleId :
SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.1	13.7
92	126.6	99.7	149.5

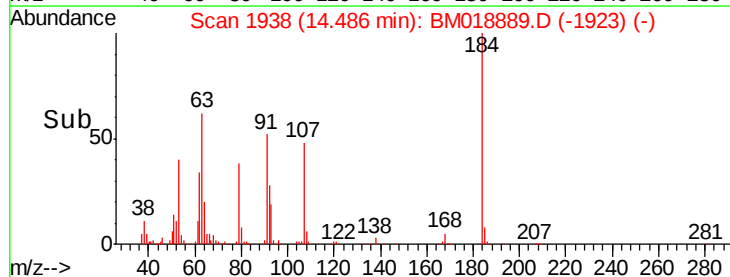
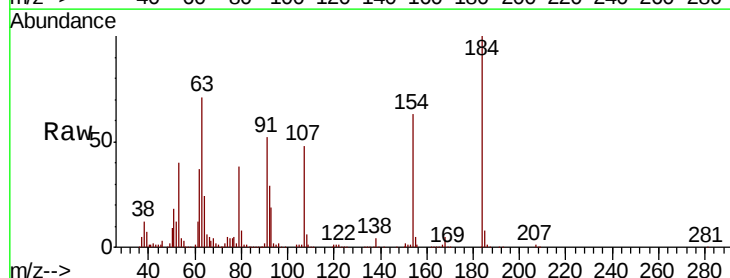
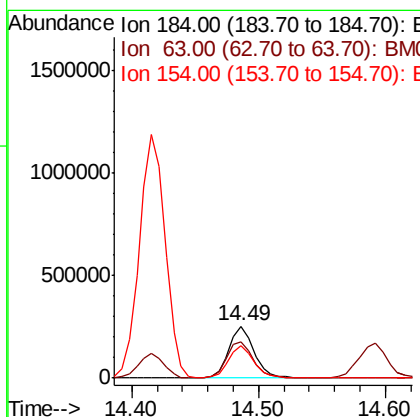
Manual Integrations
APPROVED

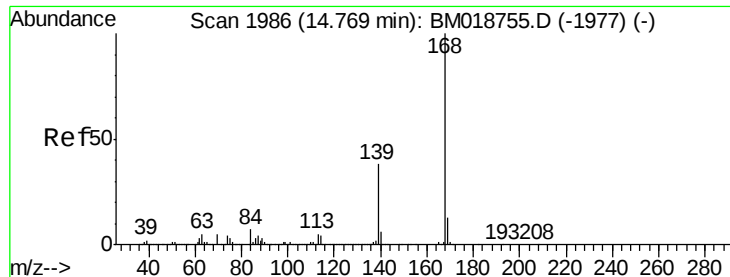
Sohil
2/21/2019 10:08:59 AM



#54
2,4-Dinitrophenol
Concen: 43.143 ng
RT: 14.49 min Scan# 1938
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Tgt Ion	Ratio	Lower	Upper
184	100		
63	70.8	58.0	87.0
154	63.1	50.3	75.5





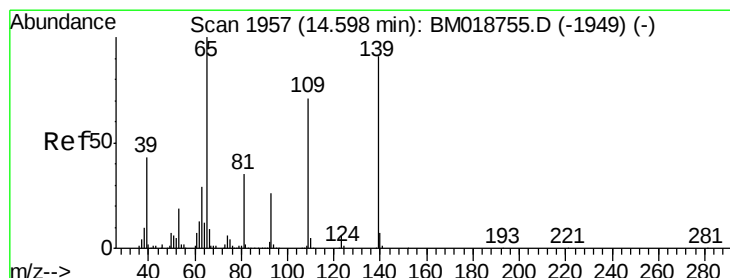
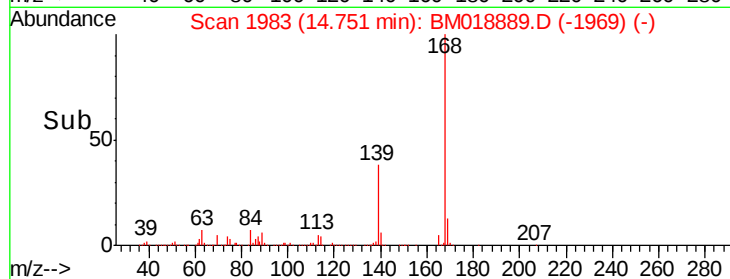
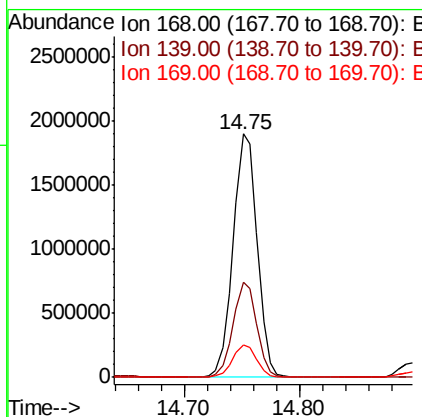
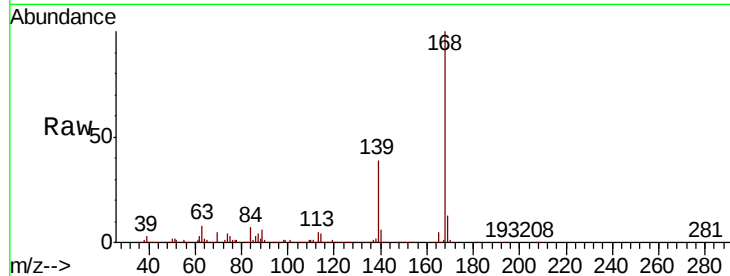
#55
Dibenzofuran
Concen: 36.267 ng
RT: 14.75 min Scan# 1983
Delta R.T. -0.02 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Instrument :
BNA_M
ClientSampled :
SOIL-PILEMS

Tot Ion:168 Resp: 2739820
Ion Ratio Lower Upper
168 100
139 38.8 30.7 46.1
169 13.4 10.3 15.5

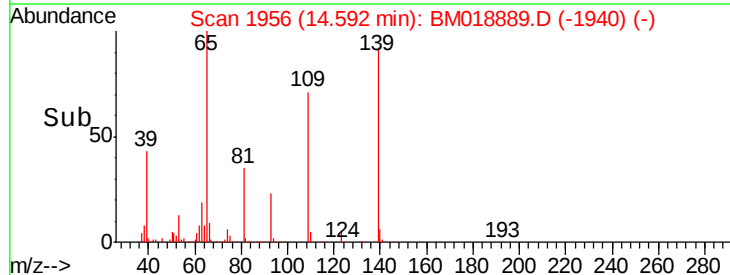
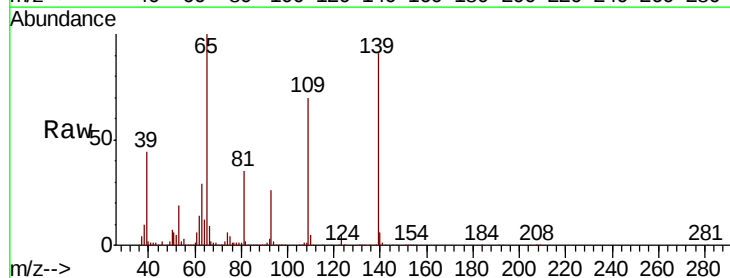
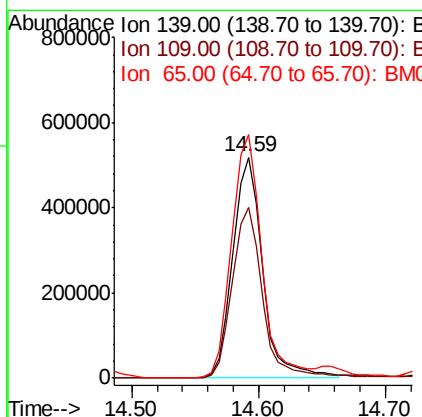
Manual Integrations
APPROVED

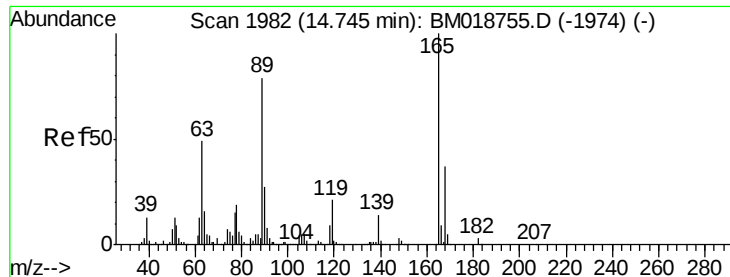
Sohil
2/21/2019 10:08:59 AM



#56
4-Nitrophenol
Concen: 68.755 ng
RT: 14.59 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Tgt Ion:139 Resp: 847694
Ion Ratio Lower Upper
139 100
109 77.2 58.4 98.4
65 110.2 89.8 129.8





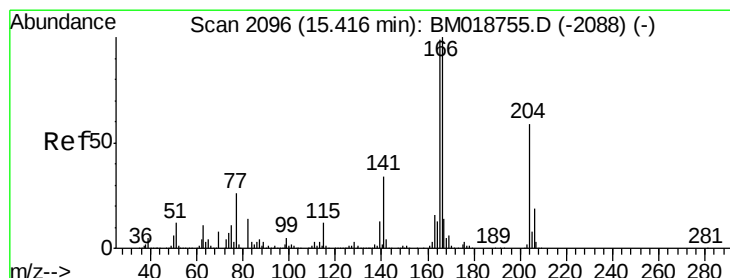
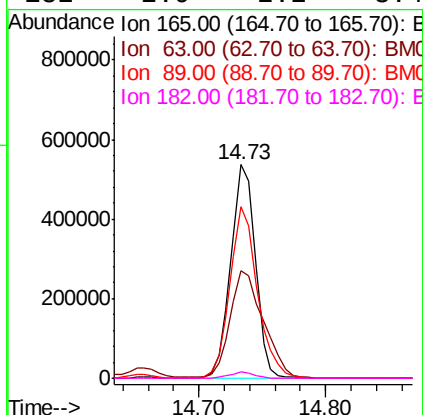
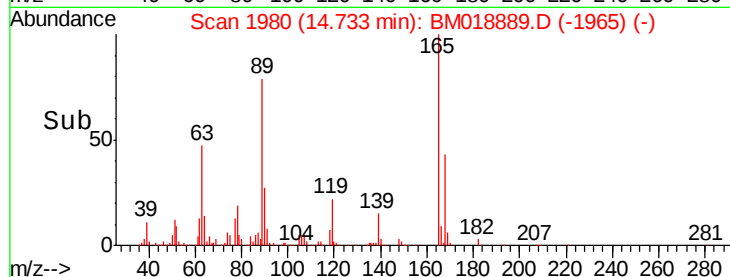
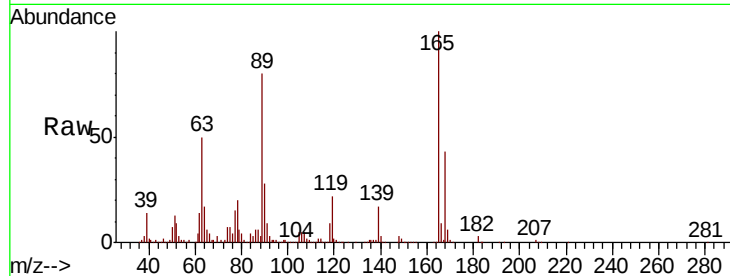
#57
2,4-Dinitrotoluene
Concen: 38.180 ng
RT: 14.73 min Scan# 1980
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Instrument :
BNA_M
ClientSampleId :
SOIL-PILEMS

Tot Ion:	165	Resp:	719063
Ion Ratio	Lower	Upper	
165	100		
63	50.3	39.6	59.4
89	80.2	63.5	95.3
182	2.9	2.2	3.4

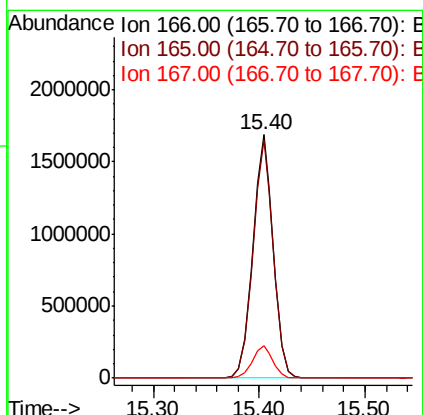
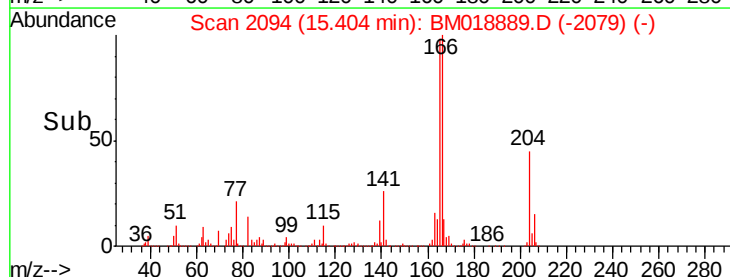
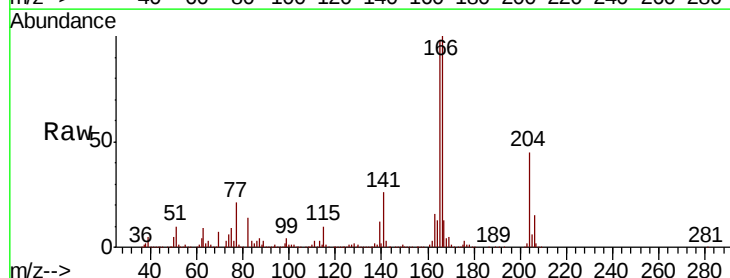
Manual Integrations
APPROVED

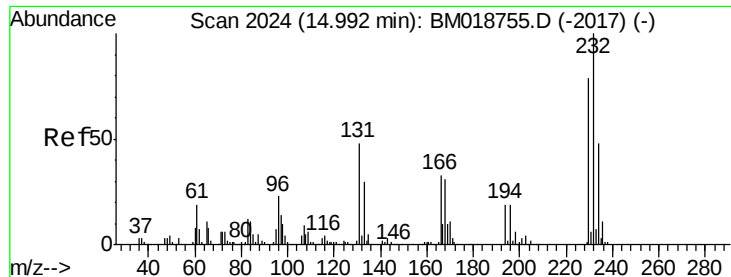
Sohil
2/21/2019 10:08:59 AM



#58
Fluorene
Concen: 39.193 ng
RT: 15.40 min Scan# 2094
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Tgt Ion:	166	Resp:	2265154
Ion Ratio	Lower	Upper	
166	100		
165	97.9	79.1	118.7
167	13.5	11.0	16.4





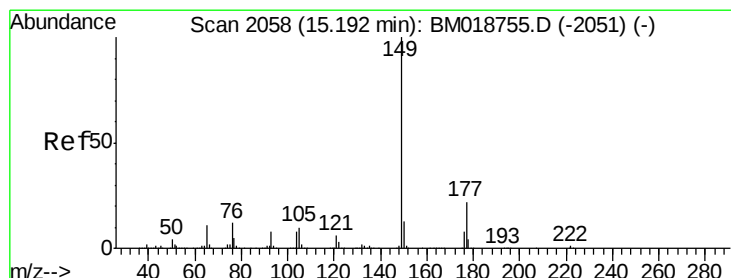
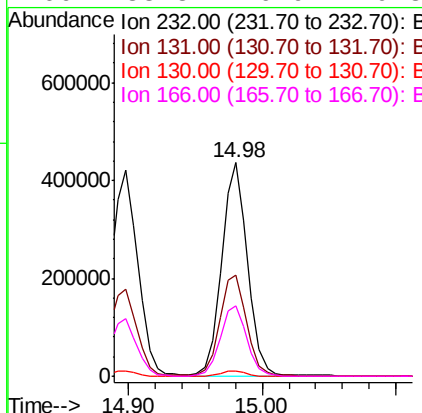
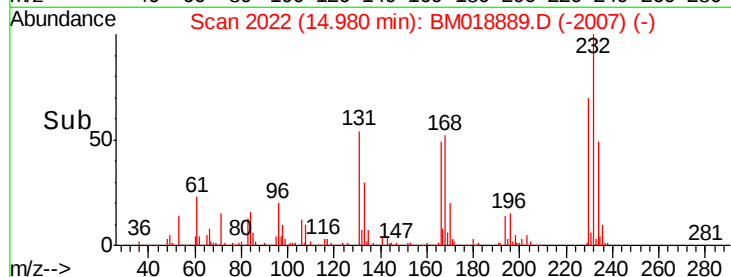
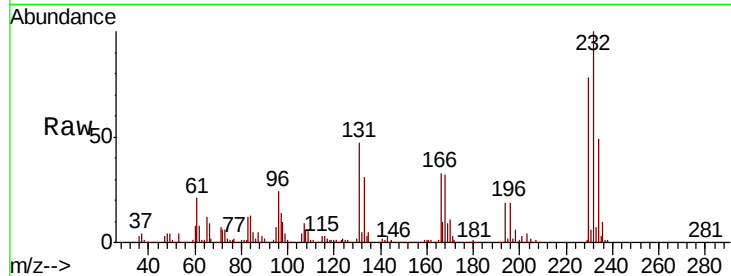
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 39.499 ng
 RT: 14.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BM018889.D
 Acq: 20 Feb 2019 18:28

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-PILEMS

Tot Ion:	232	Resp:	586758
Ion Ratio	Lower	Upper	
232	100		
131	49.2	38.6	57.8
130	2.6	2.0	3.0
166	33.8	26.9	40.3

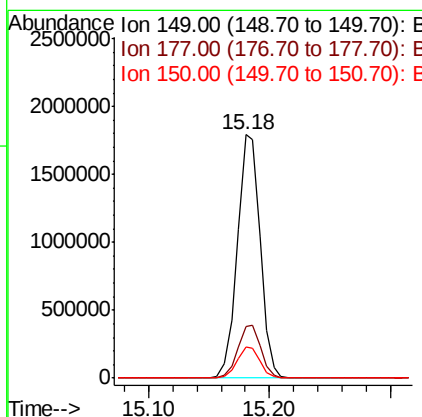
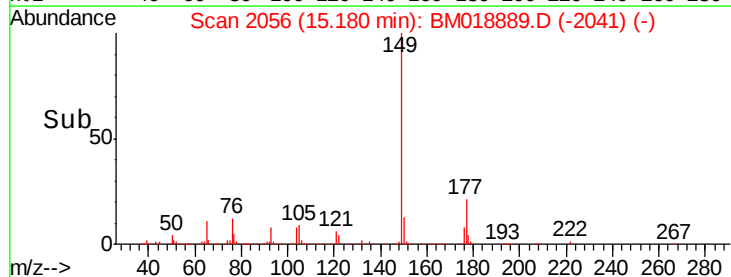
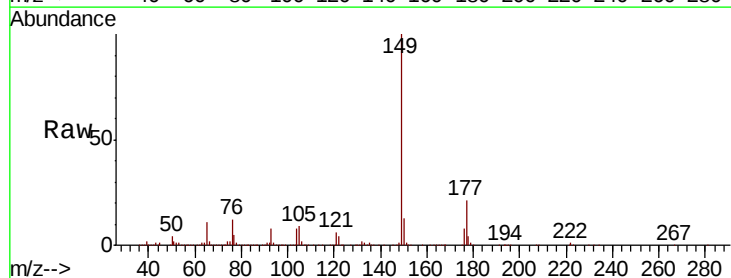
Manual Integrations
 APPROVED

Sohil
 2/21/2019 10:08:59 AM



#60
 Diethylphthalate
 Concen: 36.286 ng
 RT: 15.18 min Scan# 2056
 Delta R.T. -0.01 min
 Lab File: BM018889.D
 Acq: 20 Feb 2019 18:28

Tgt Ion:	149	Resp:	2361952
Ion Ratio	Lower	Upper	
149	100		
177	21.0	17.2	25.8
150	12.7	10.2	15.2





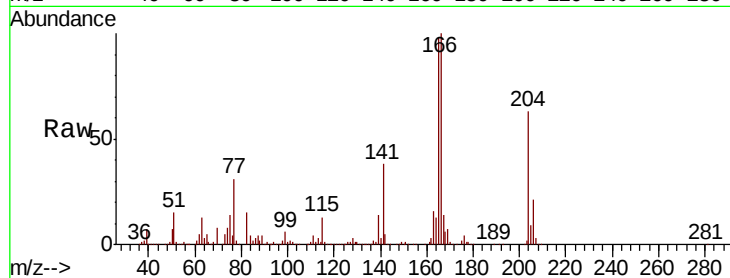
#61
4-Chlorophenyl-phenylether
Concen: 34.393 ng
RT: 15.40 min Scan# 2093
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Instrument :
BNA_M
ClientSampleId :
SOIL-PILEMS

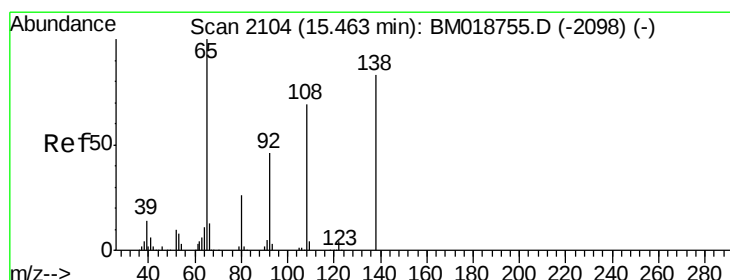
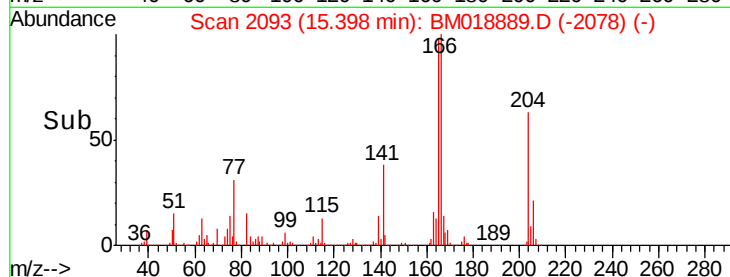
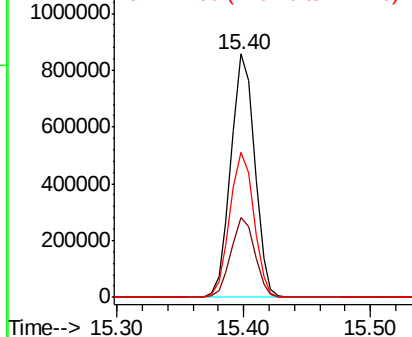
Tot Ion:204 Resp: 1114457
Ion Ratio Lower Upper
204 100
206 32.8 26.2 39.2
141 59.6 49.2 73.8

Manual Integrations
APPROVED

Sohil
2/21/2019 10:08:59 AM

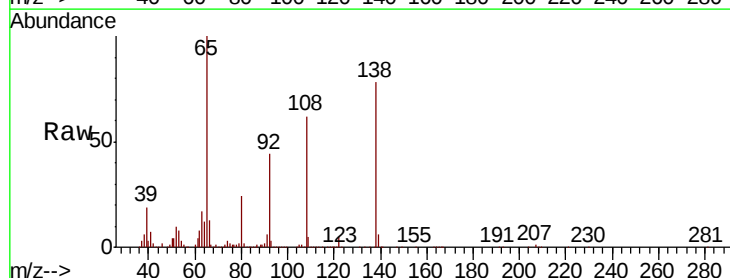


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

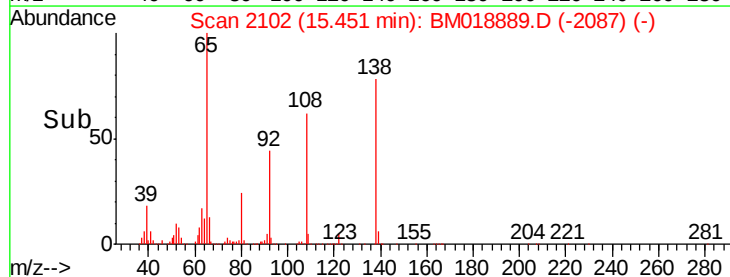
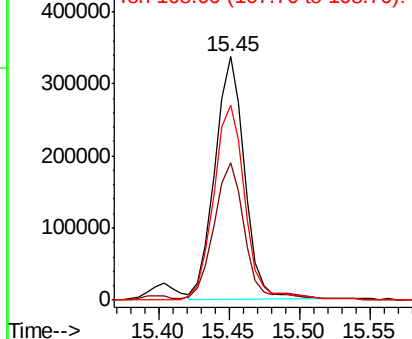


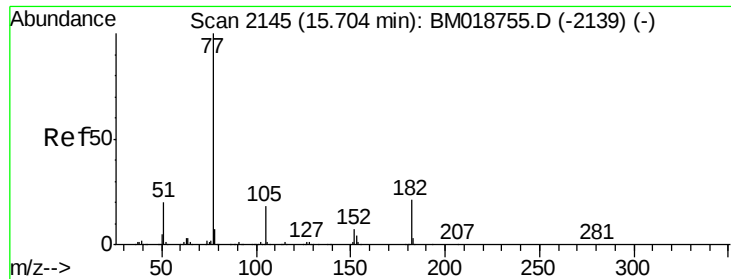
#62
4-Nitroaniline
Concen: 32.341 ng
RT: 15.45 min Scan# 2102
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Tgt Ion:138 Resp: 489681
Ion Ratio Lower Upper
138 100
92 56.3 35.5 75.5
108 80.0 62.4 102.4



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





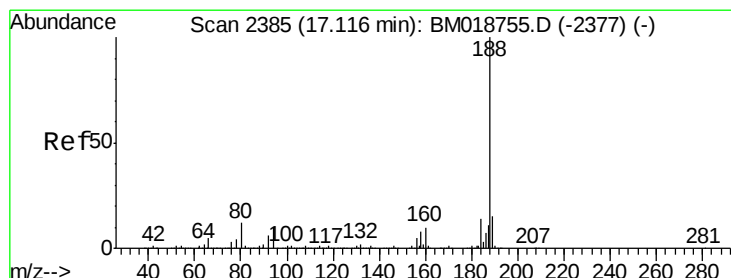
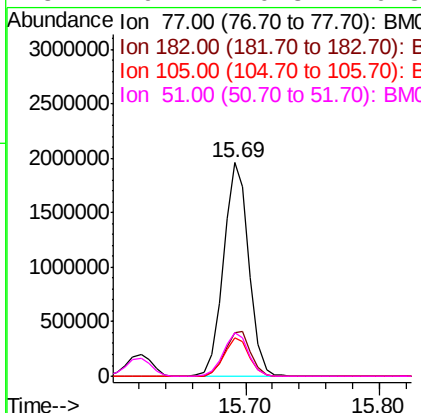
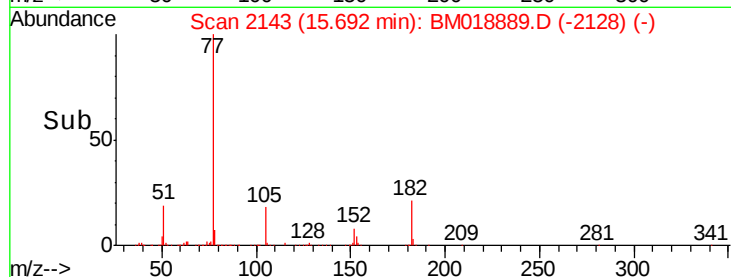
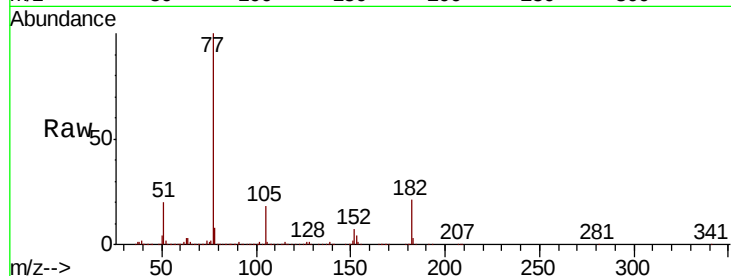
#63
Azobenzene
Concen: 37.063 ng
RT: 15.69 min Scan# 2143
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Instrument :
BNA_M
ClientSampleId :
SOIL-PILEMS

Tot Ion:	77	Resp:	2586676
Ion	Ratio	Lower	Upper
77	100		
182	20.7	1.0	41.0
105	17.9	0.0	37.7
51	20.2	0.3	40.3

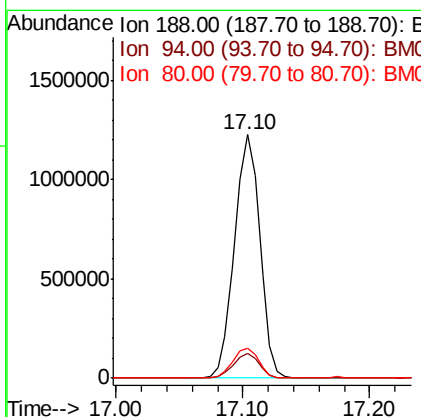
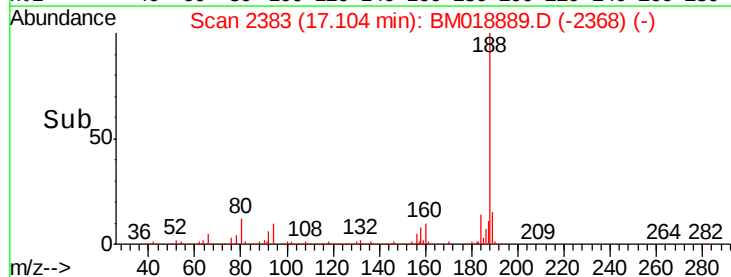
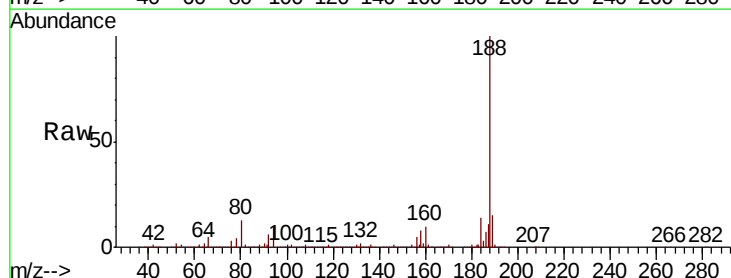
Manual Integrations
APPROVED

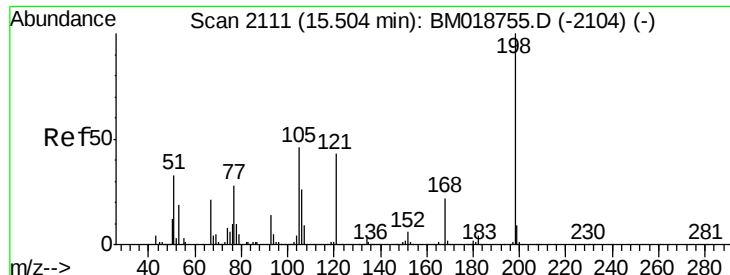
Sohil
2/21/2019 10:08:59 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.10 min Scan# 2383
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Tgt Ion:	188	Resp:	1692045
Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.2	12.2
80	12.5	9.7	14.5





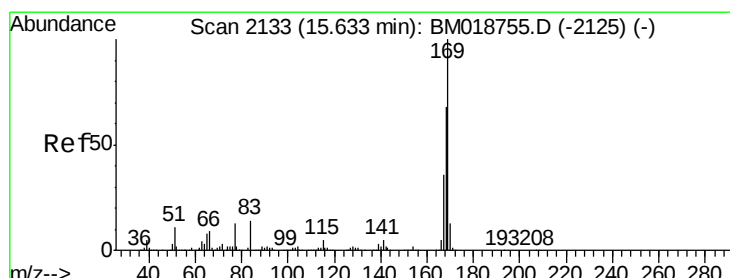
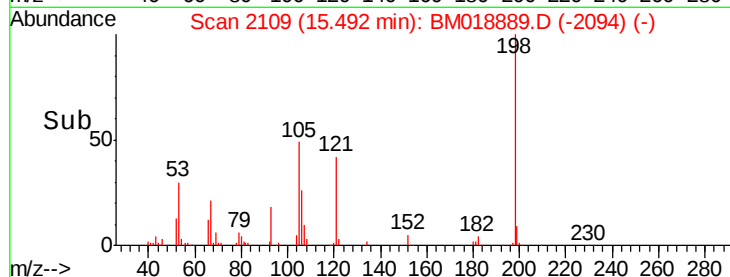
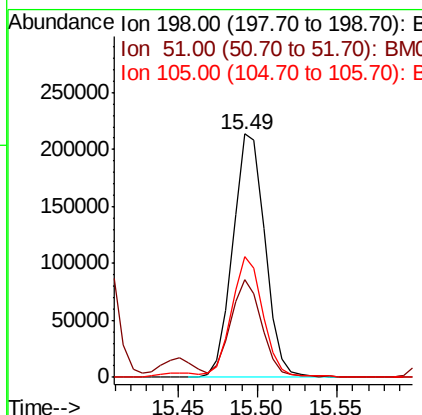
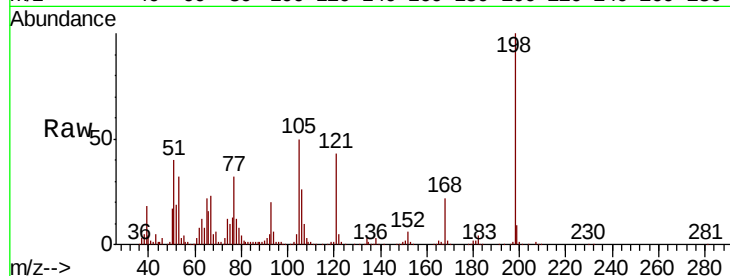
#65
4,6-Dinitro-2-methylphenol
Concen: 25.417 ng
RT: 15.49 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Instrument :
BNA_M
ClientSampled :
SOIL-PILEMS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	301956		
51	40.0		18.4	58.4
105	49.6		27.2	67.2

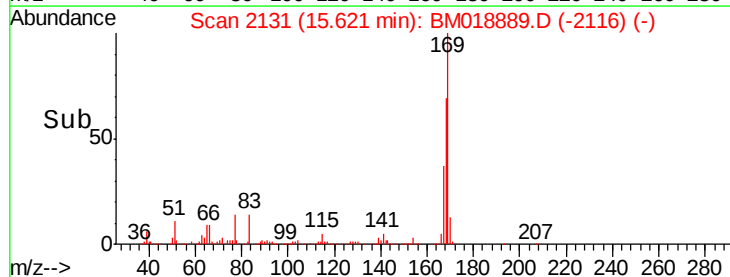
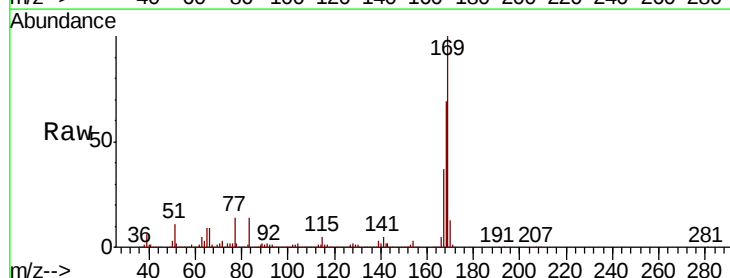
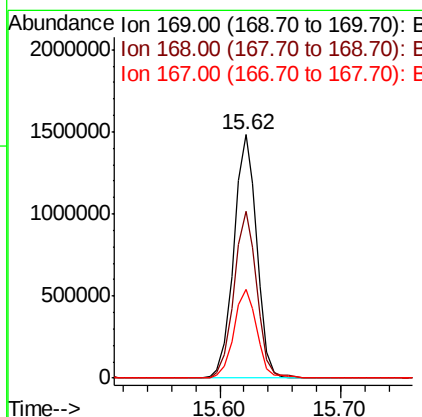
Manual Integrations
APPROVED

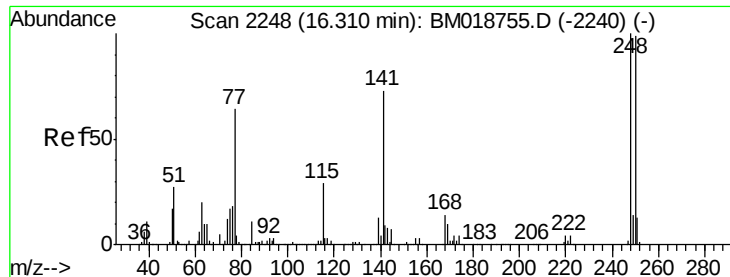
Sohil
2/21/2019 10:08:59 AM



#66
n-Nitrosodiphenylamine
Concen: 36.497 ng
RT: 15.62 min Scan# 2131
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1951098		
168	68.6		54.4	81.6
167	36.6		29.0	43.6





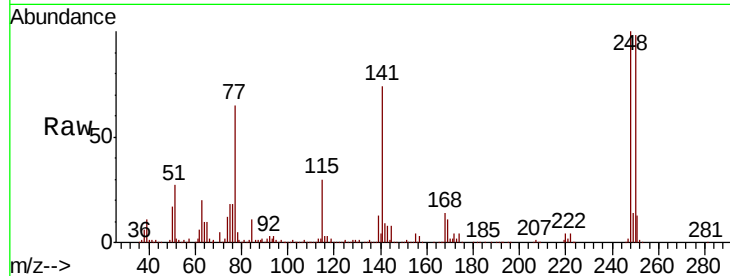
#67
4-Bromophenyl-phenylether
Concen: 34.941 ng
RT: 16.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Instrument :
BNA_M
ClientSampleId :
SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.6	79.0	118.6
141	73.8	58.6	88.0

Manual Integrations
APPROVED

Sohil
2/21/2019 10:08:59 AM

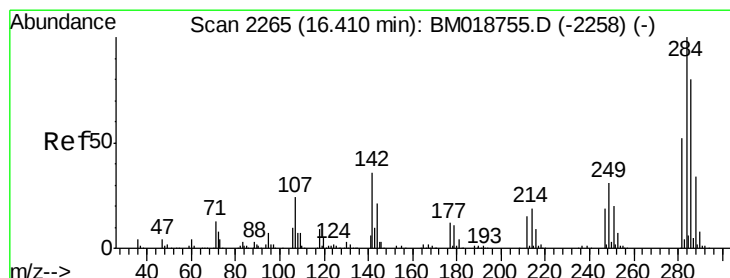
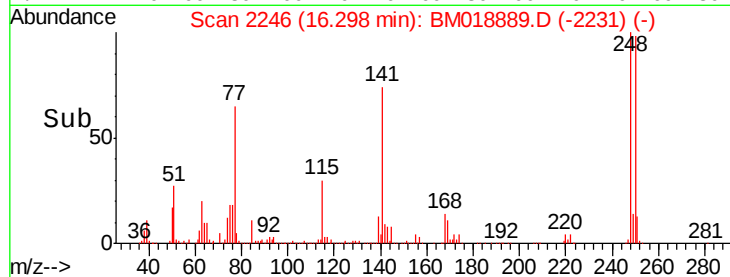
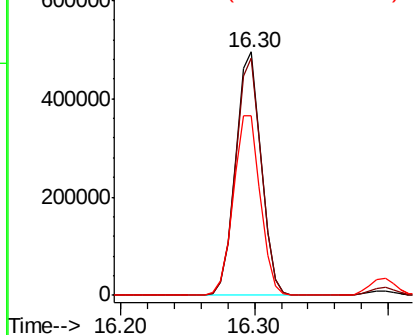


Abundance

Ion 248.00 (247.70 to 248.70): E

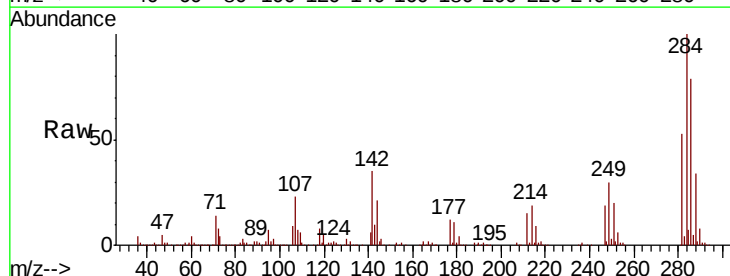
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 35.020 ng
RT: 16.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.4	28.9	43.3
249	30.4	24.8	37.2

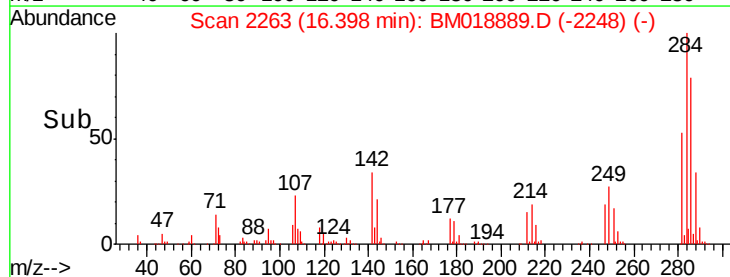
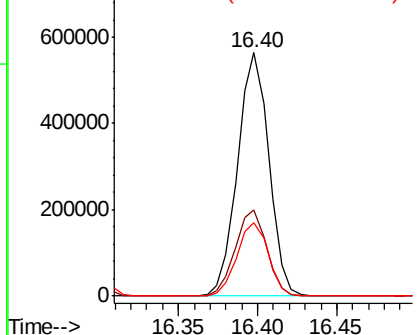


Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





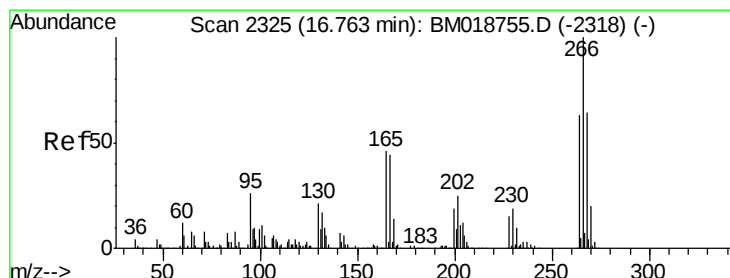
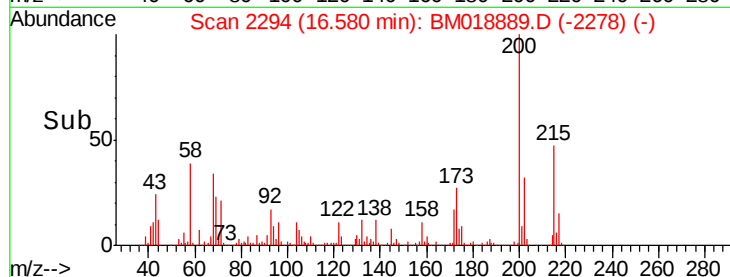
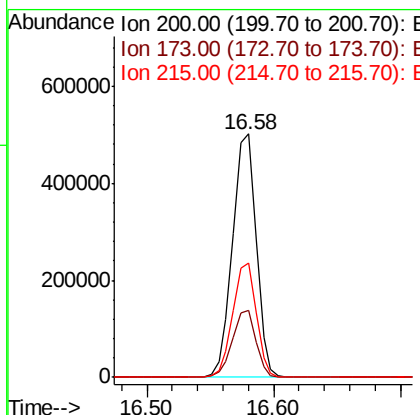
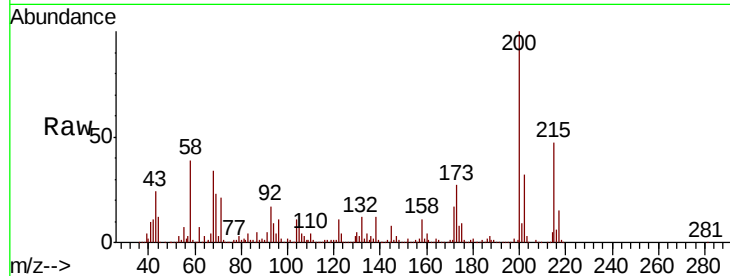
#69
Atrazine
Concen: 37.644 ng
RT: 16.58 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Instrument :
BNA_M
ClientSampleId :
SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.5	7.6	47.6
215	47.2	27.6	67.6

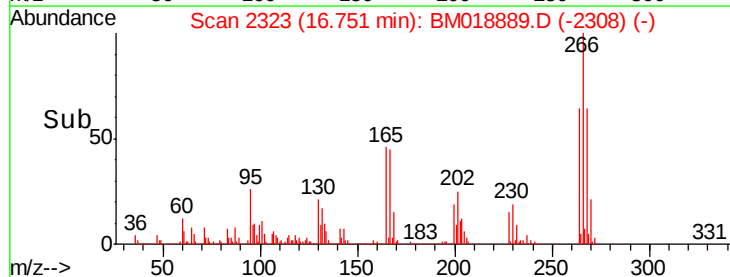
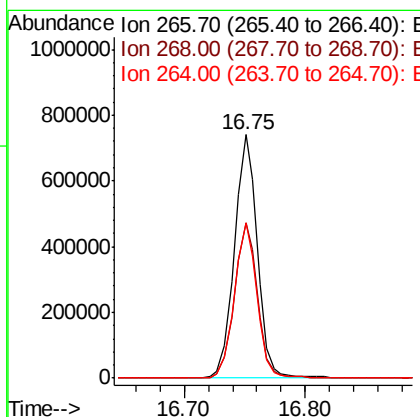
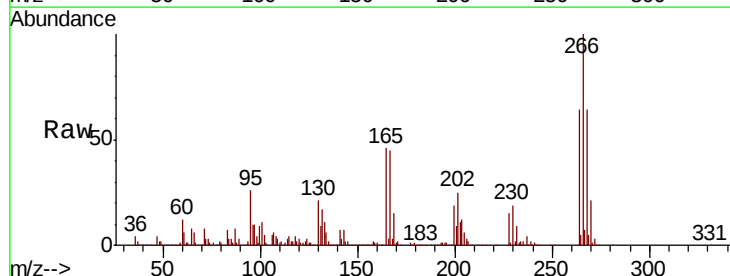
Manual Integrations
APPROVED

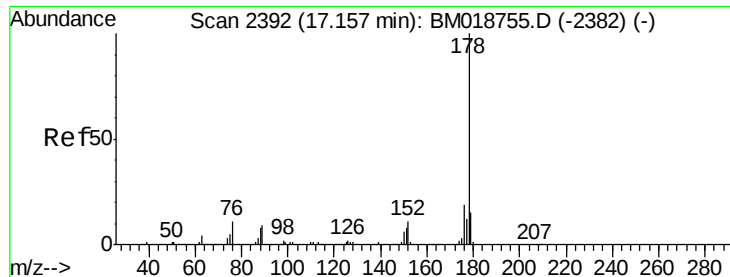
Sohil
2/21/2019 10:08:59 AM



#70
Pentachlorophenol
Concen: 69.130 ng
RT: 16.75 min Scan# 2323
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.3	76.9
264	63.6	50.6	75.8





#71

Phenanthrene

Concen: 38.716 ng

RT: 17.14 min Scan# 2390

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Instrument :

BNA_M

ClientSampleId :

SOIL-PILEMS

Tot Ion:178 Resp: 3520535

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

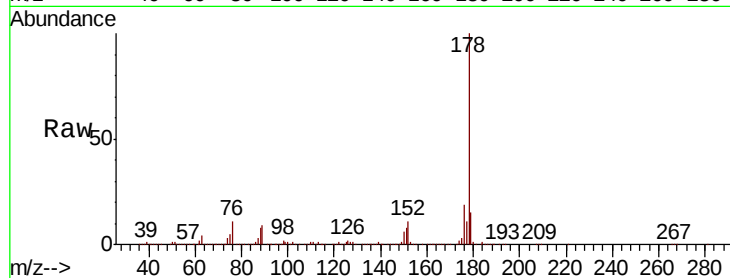
179 15.5 12.3 18.5

Manual Integrations

APPROVED

Sohil

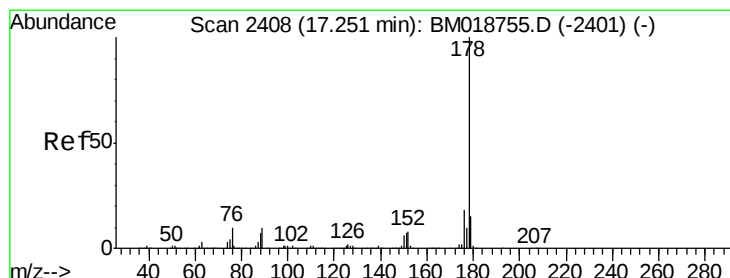
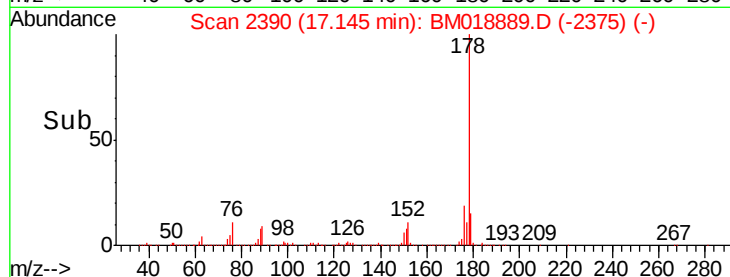
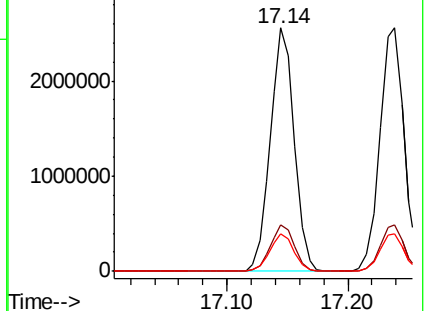
2/21/2019 10:08:59 AM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 40.246 ng

RT: 17.24 min Scan# 2406

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

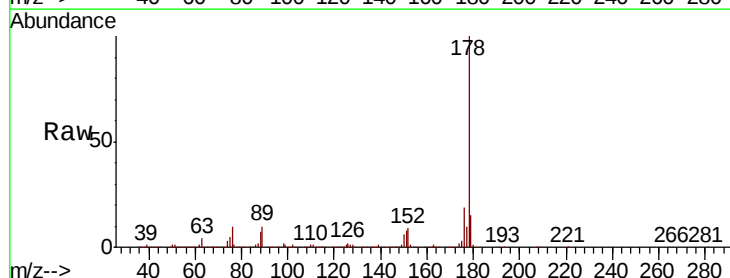
Tgt Ion:178 Resp: 3562127

Ion Ratio Lower Upper

178 100

176 18.9 14.8 22.2

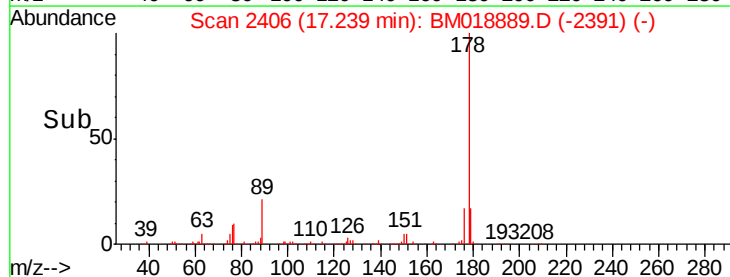
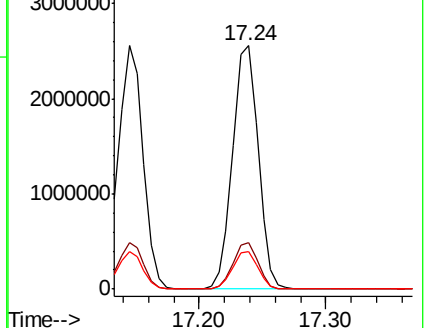
179 15.4 12.1 18.1

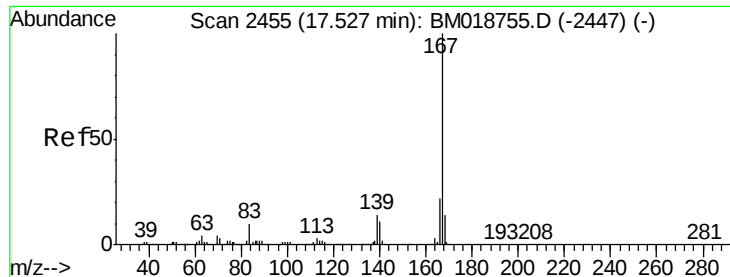


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





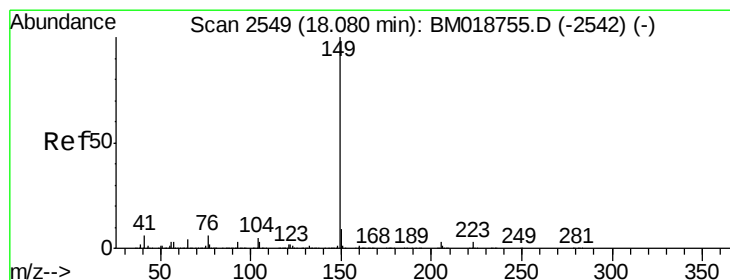
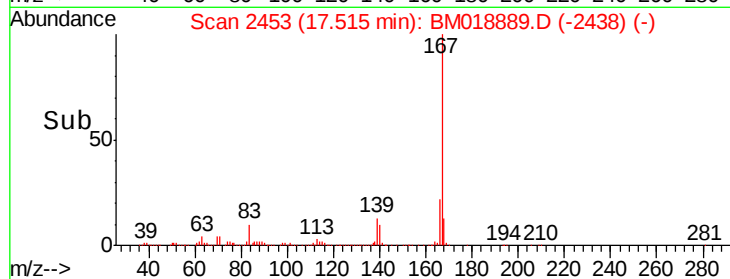
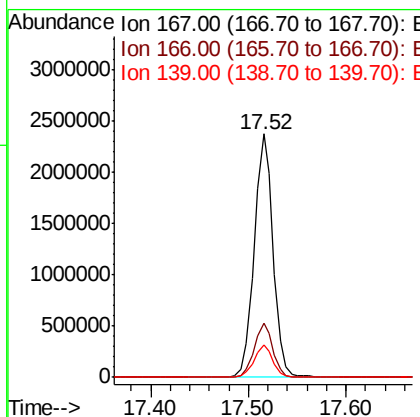
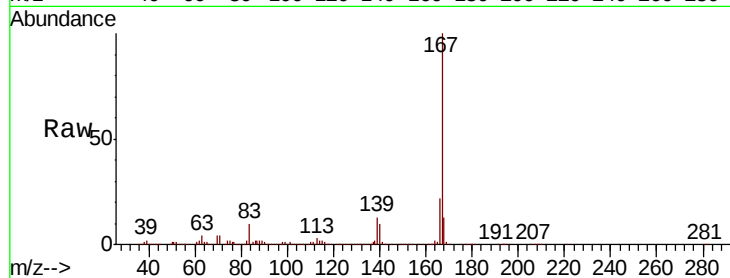
#73
 Carbazole
 Concen: 34.986 ng
 RT: 17.52 min Scan# 2453
 Delta R.T. -0.01 min
 Lab File: BM018889.D
 Acq: 20 Feb 2019 18:28

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.7	26.5
139	13.2	10.9	16.3

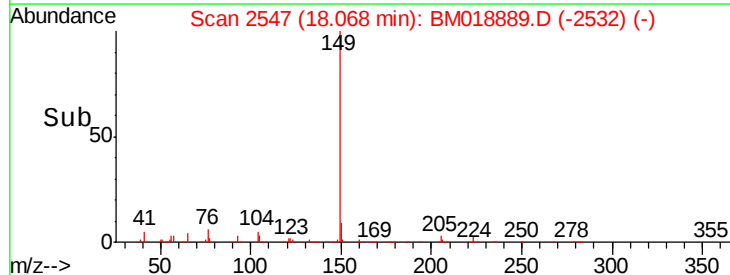
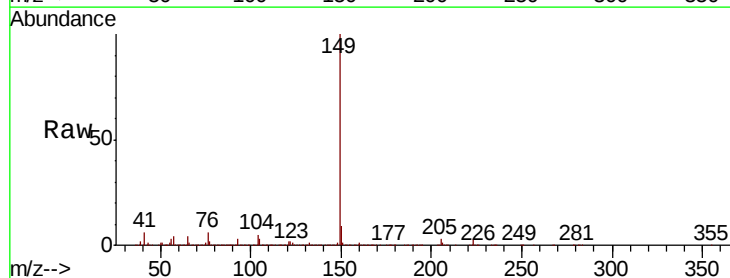
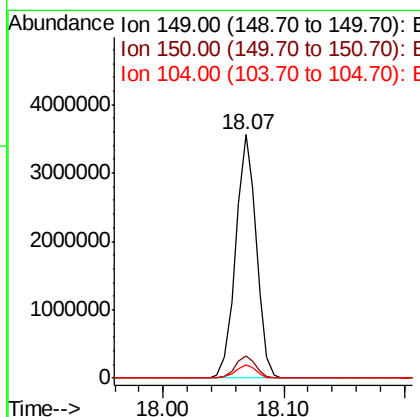
Manual Integrations
 APPROVED

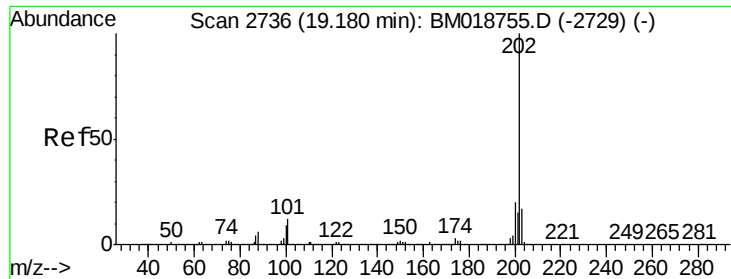
Sohil
 2/21/2019 10:08:59 AM



#74
 Di-n-butylphthalate
 Concen: 39.699 ng
 RT: 18.07 min Scan# 2547
 Delta R.T. -0.01 min
 Lab File: BM018889.D
 Acq: 20 Feb 2019 18:28

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.4	4.3	6.5





#75

Fluoranthene

Concen: 38.477 ng

RT: 19.17 min Scan# 2734

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Instrument :

BNA_M

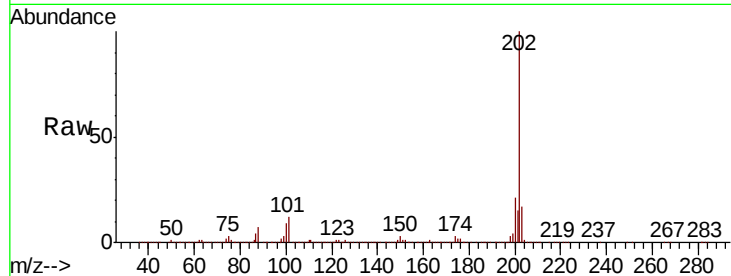
ClientSampleId :

SOIL-PILEMS

Tot Ion:	202	Resp:	4041542
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.5
203	17.4	0.0	37.3

Manual Integrations
APPROVED

Sohil
2/21/2019 10:08:59 AM

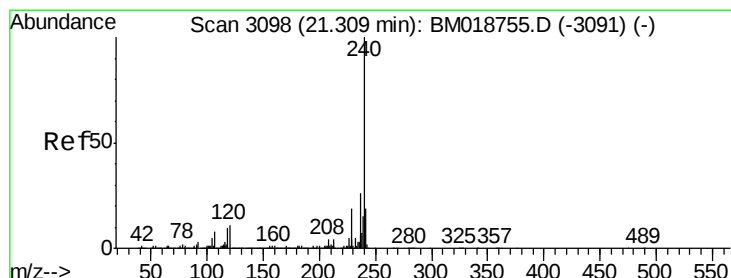
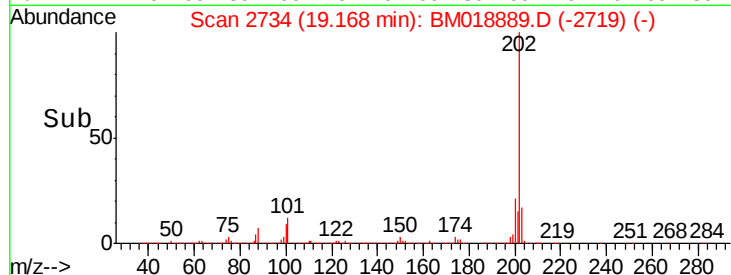
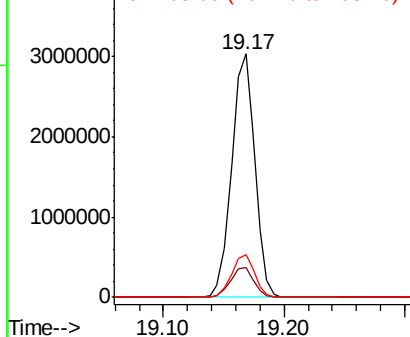


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.30 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

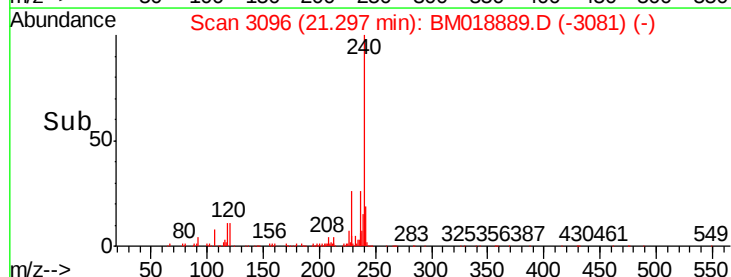
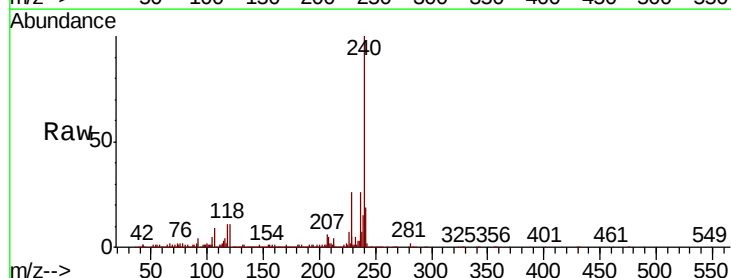
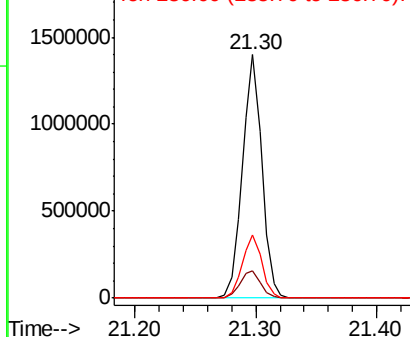
Tgt Ion:	240	Resp:	1582763
Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.9	13.3
236	26.2	20.9	31.3

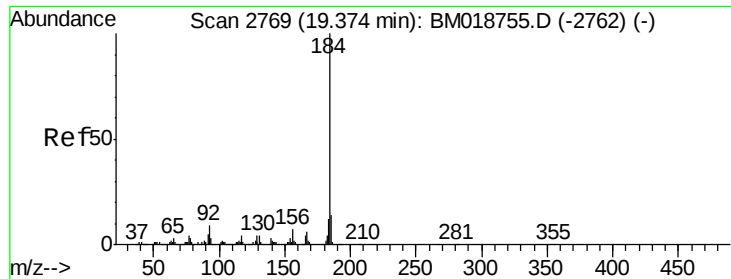
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 63.683 ng

RT: 19.37 min Scan# 2768

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Instrument :

BNA_M

ClientSampleId :

SOIL-PILEMS

Tot Ion:184 Resp: 2270033

Ion Ratio Lower Upper

184 100

185 14.1 11.2 16.8

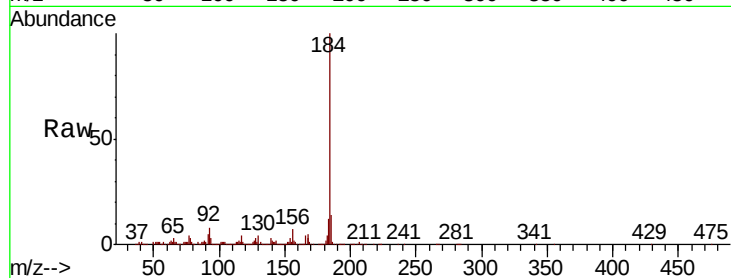
183 12.4 9.7 14.5

Manual Integrations

APPROVED

Sohil

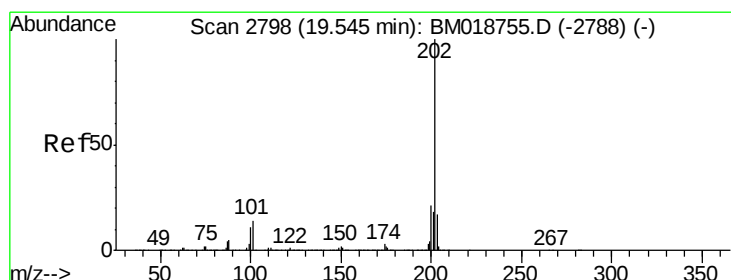
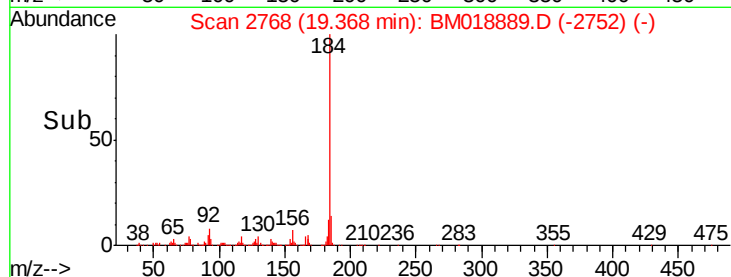
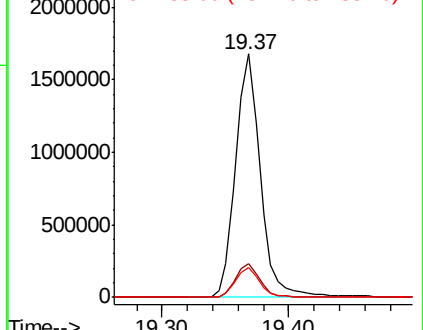
2/21/2019 10:08:59 AM



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 44.543 ng

RT: 19.53 min Scan# 2796

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

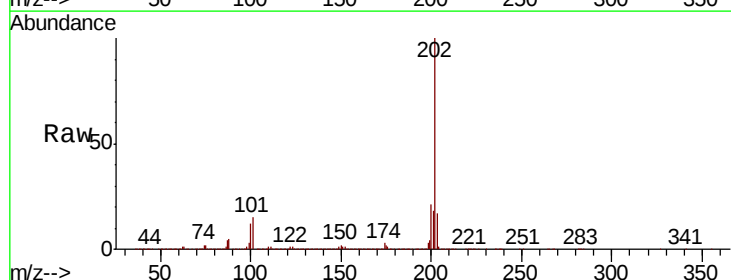
Tgt Ion:202 Resp: 4094615

Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

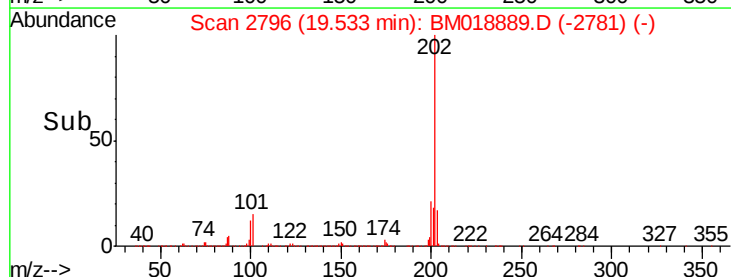
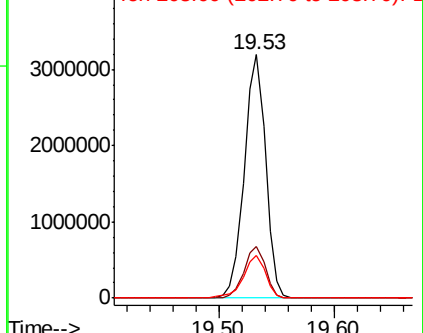
203 17.4 13.8 20.8

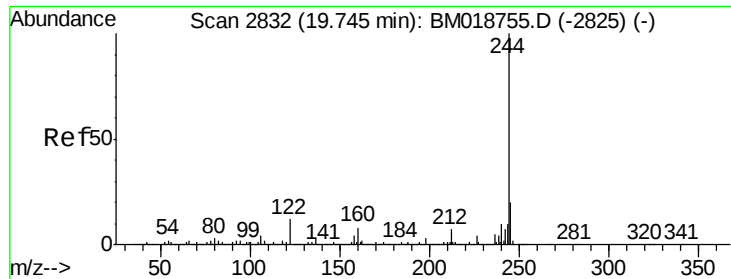


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 83.928 ng

RT: 19.74 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Instrument :

BNA_M

ClientSampleId :

SOIL-PILEMS

Tot Ion:244 Resp: 6439432

Ion Ratio Lower Upper

244 100

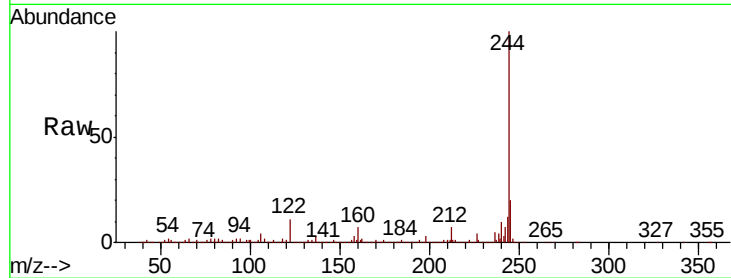
212 7.0 5.6 8.4

122 10.5 9.3 13.9

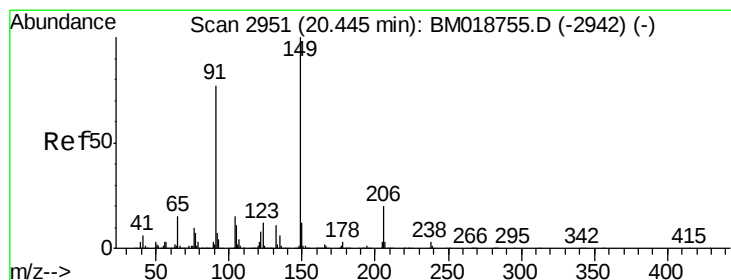
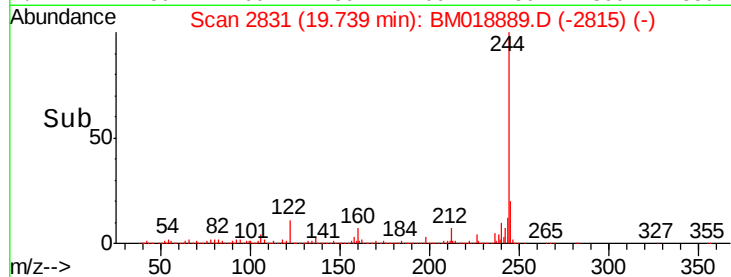
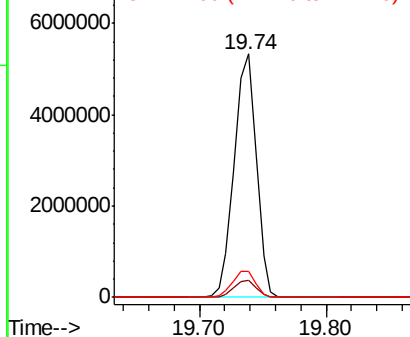
Manual Integrations
APPROVED

Sohil

2/21/2019 10:08:59 AM



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 47.161 ng

RT: 20.43 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

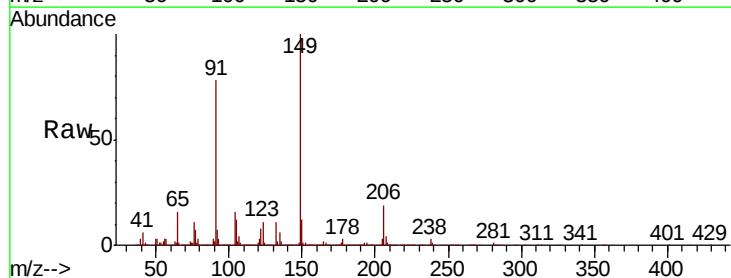
Tgt Ion:149 Resp: 1975742

Ion Ratio Lower Upper

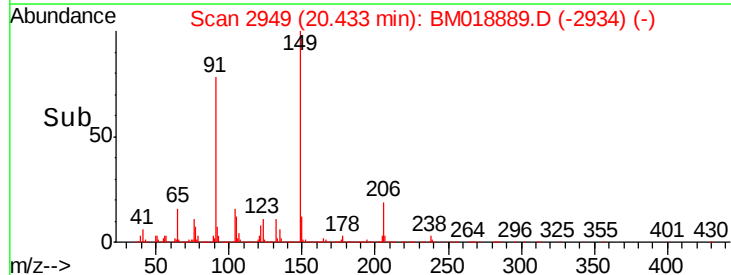
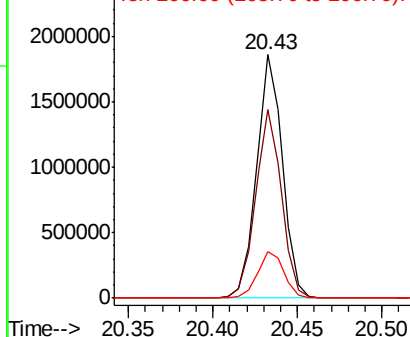
149 100

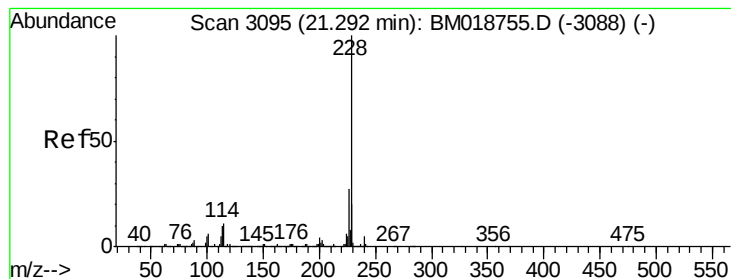
91 77.7 61.4 92.0

206 19.2 15.8 23.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BM018889.D (-2934) (-)
Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 39.688 ng

RT: 21.28 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Instrument :

BNA_M

ClientSampleId :

SOIL-PILEMS

Tot Ion:228 Resp: 3661700

Ion Ratio Lower Upper

228 100

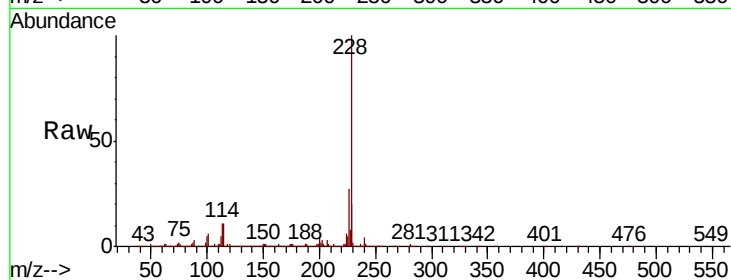
226 27.4 21.9 32.9

229 19.9 15.9 23.9

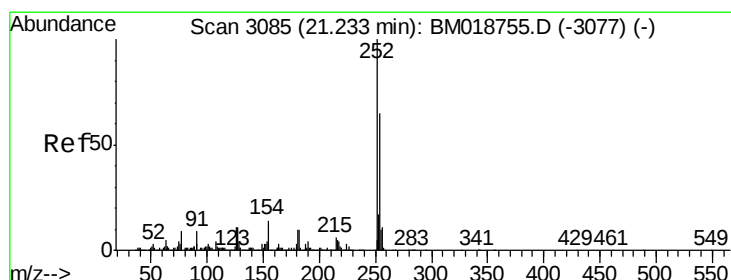
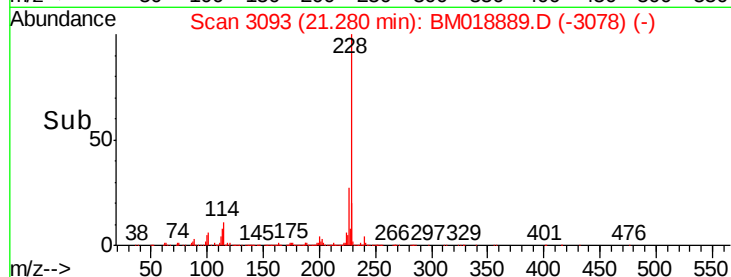
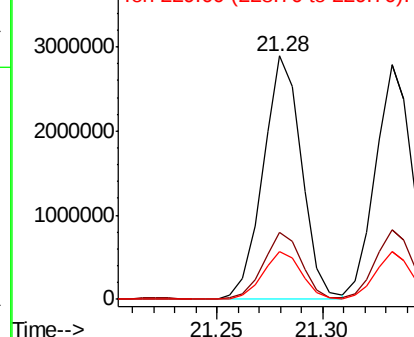
Manual Integrations
APPROVED

Sohil

2/21/2019 10:08:59 AM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 33.381 ng

RT: 21.22 min Scan# 3083

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

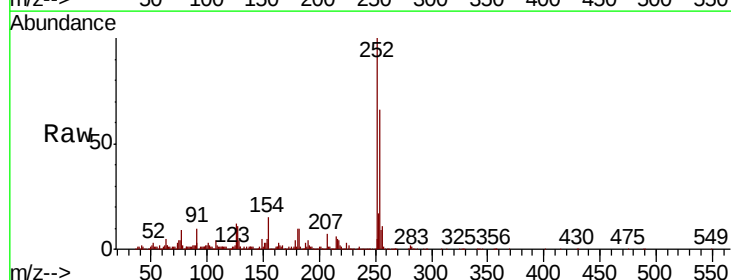
Tgt Ion:252 Resp: 1217200

Ion Ratio Lower Upper

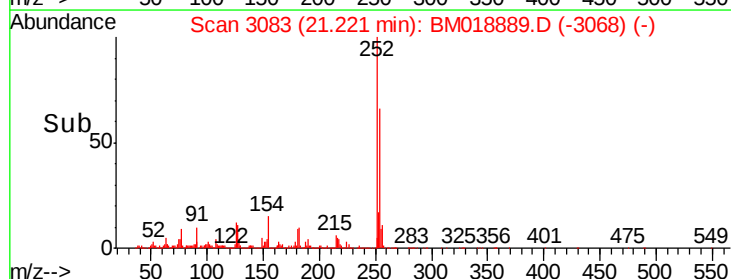
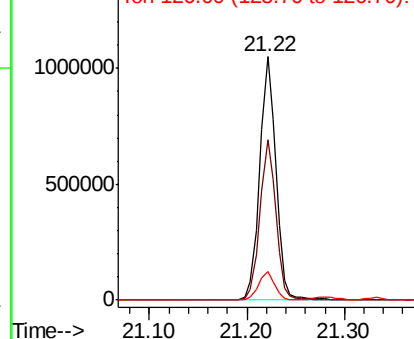
252 100

254 65.7 51.8 77.8

126 11.7 9.1 13.7



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





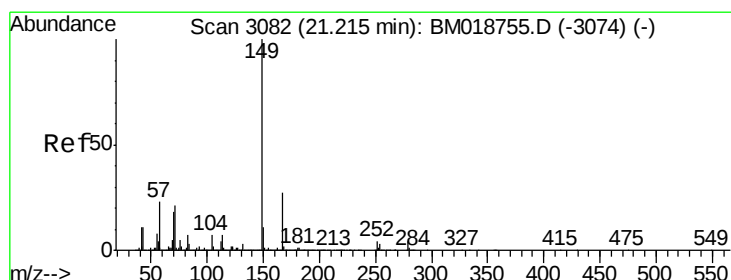
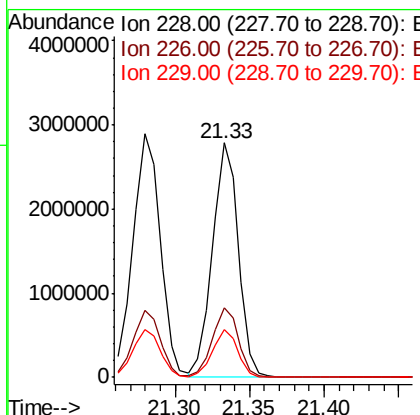
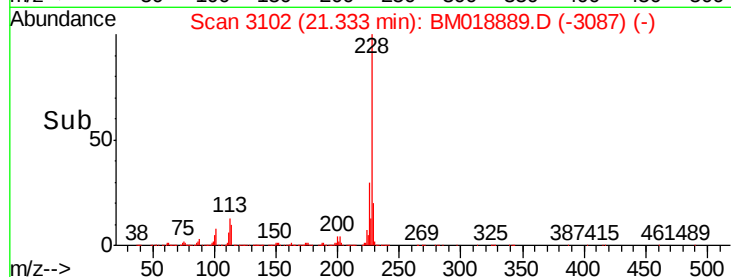
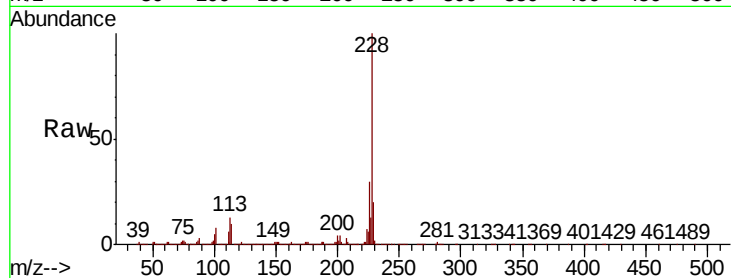
#83
Chrysene
Concen: 38.067 ng
RT: 21.33 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Instrument :
BNA_M
ClientSampleId :
SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.1	36.1
229	20.2	16.0	24.0

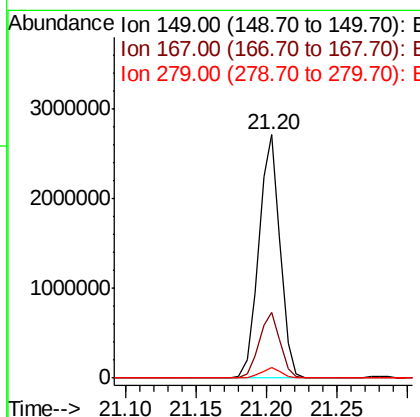
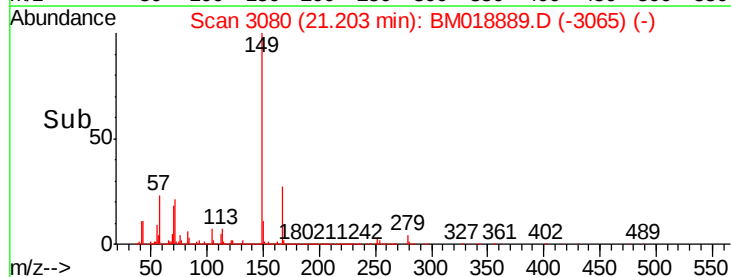
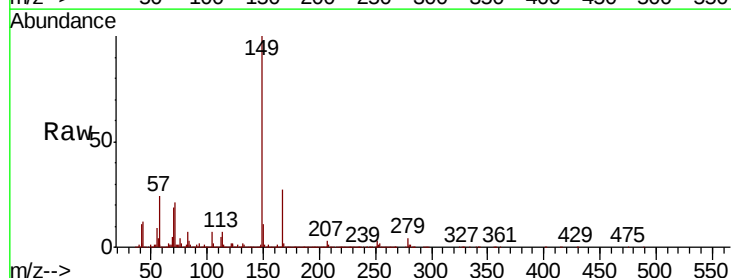
Manual Integrations
APPROVED

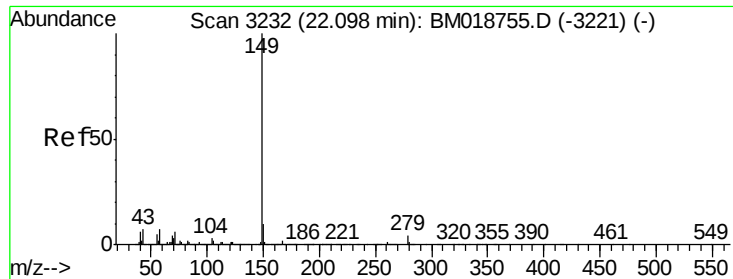
Sohil
2/21/2019 10:08:59 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 46.960 ng
RT: 21.20 min Scan# 3080
Delta R.T. -0.01 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.8	32.6
279	4.4	3.6	5.4





#85

Di-n-octyl phthalate

Concen: 44.262 ng

RT: 22.09 min Scan# 3230

Delta R.T. -0.01 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Instrument :

BNA_M

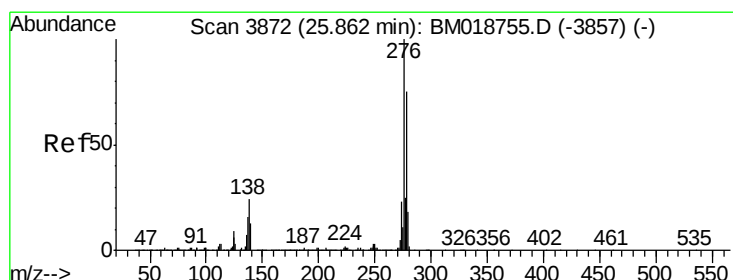
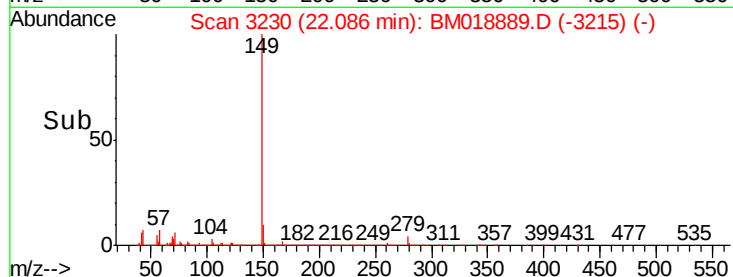
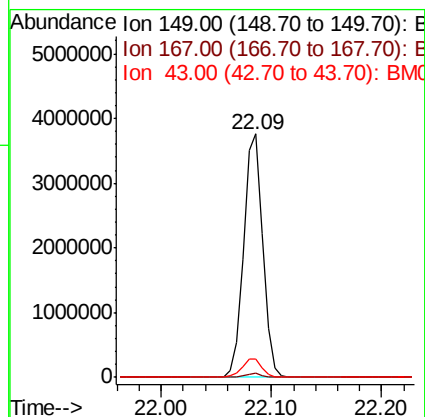
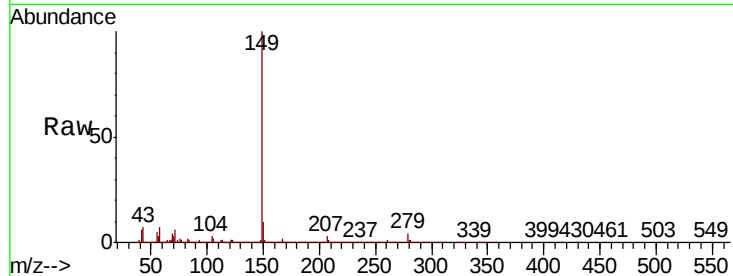
ClientSampled :

SOIL-PILEMS

Tot Ion:	149	Resp:	4561422
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	7.5	6.0	9.0

Manual Integrations
APPROVED

Sohil
2/21/2019 10:08:59 AM



#86

Indeno(1,2,3-cd)pyrene

Concen: 31.410 ng

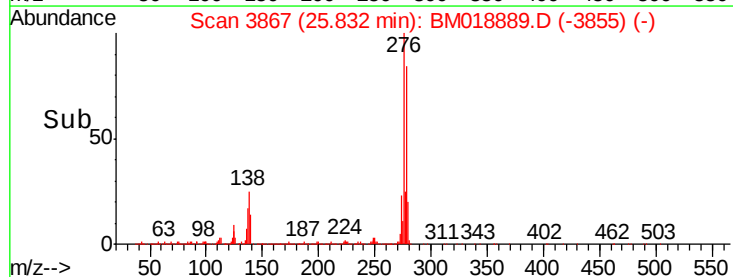
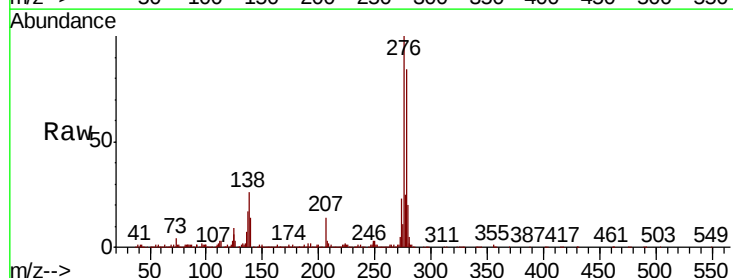
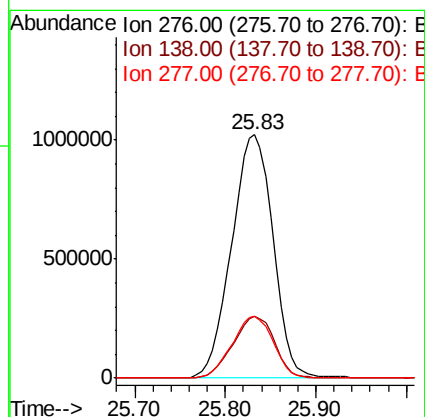
RT: 25.83 min Scan# 3867

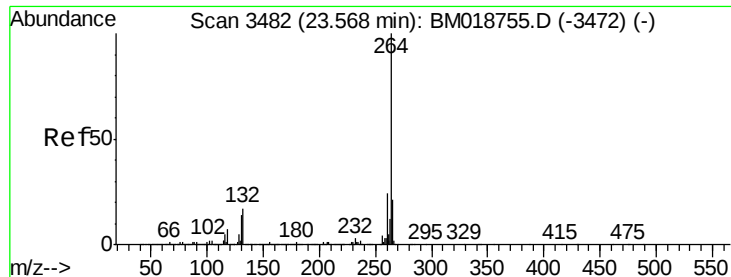
Delta R.T. -0.03 min

Lab File: BM018889.D

Acq: 20 Feb 2019 18:28

Tgt Ion:	276	Resp:	3206935
Ion	Ratio	Lower	Upper
276	100		
138	25.4	20.2	30.4
277	25.3	20.3	30.5





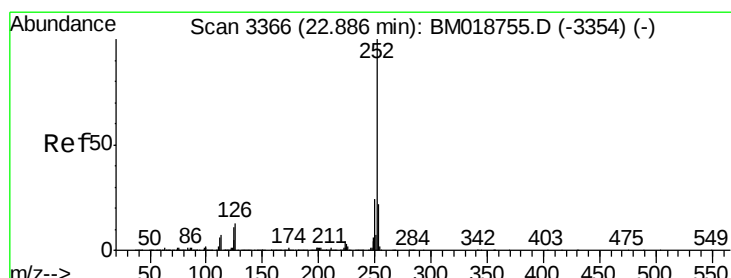
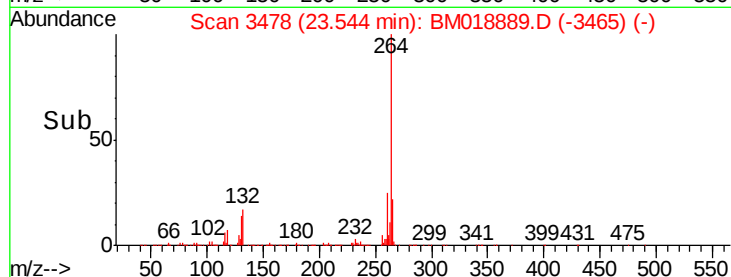
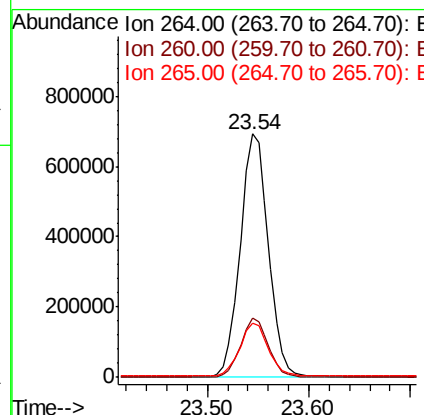
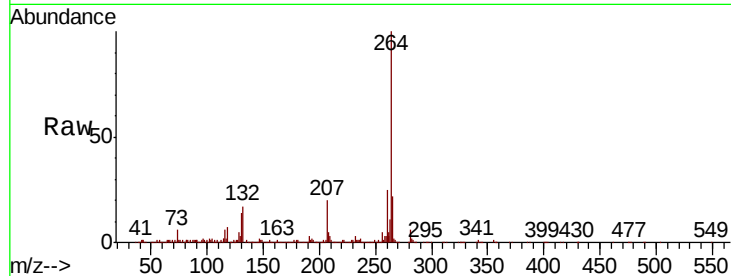
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.54 min Scan# 3478
Delta R.T. -0.02 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Instrument :
BNA_M
ClientSampleId :
SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.9	28.3
265	22.5	17.3	25.9

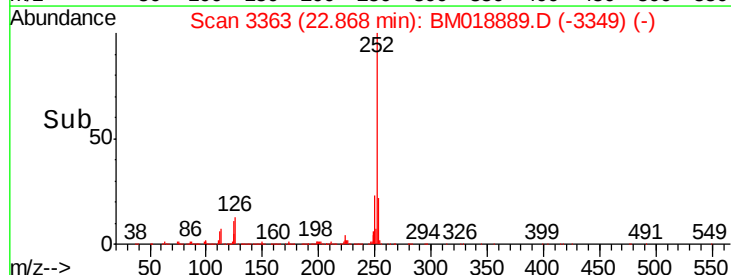
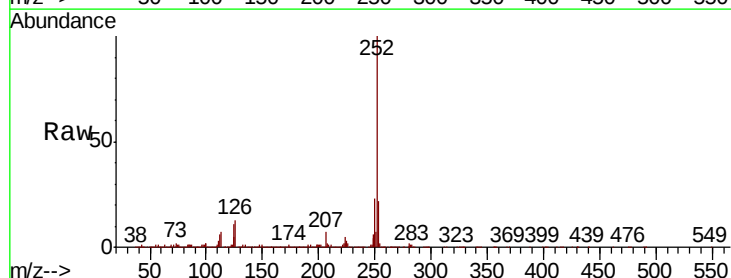
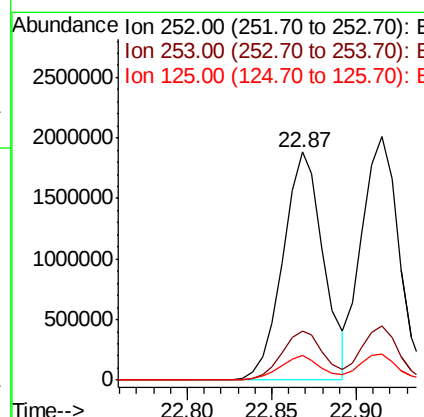
Manual Integrations
APPROVED

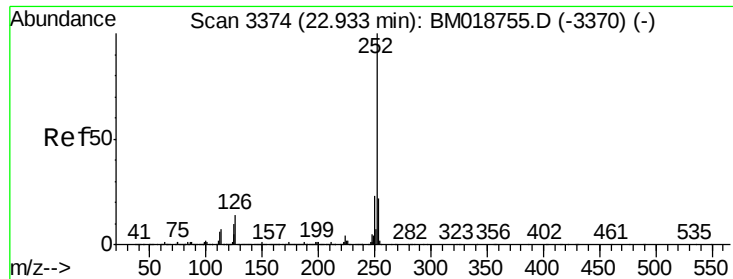
Sohil
2/21/2019 10:08:59 AM



#88
Benzo(b)fluoranthene
Concen: 41.311 ng
RT: 22.87 min Scan# 3363
Delta R.T. -0.02 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	10.7	8.6	12.8





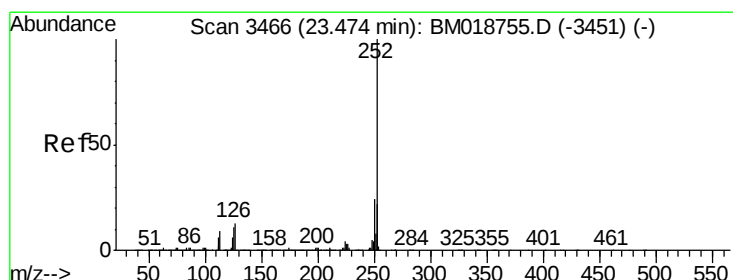
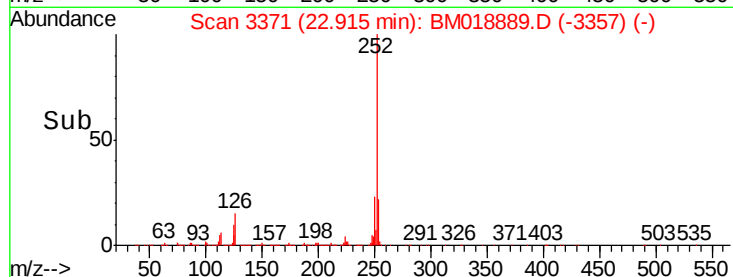
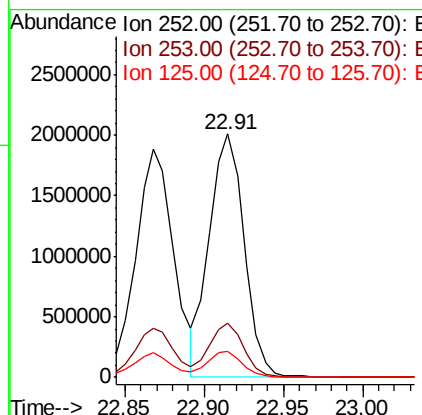
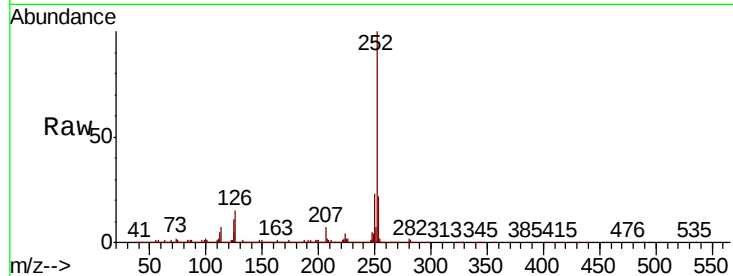
#89
Benzo(k)fluoranthene
Concen: 40.438 ng
RT: 22.91 min Scan# 3371
Delta R.T. -0.02 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Instrument :
BNA_M
ClientSampleId :
SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.6	8.2	12.4

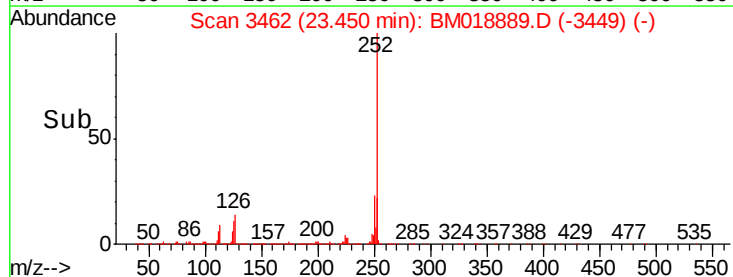
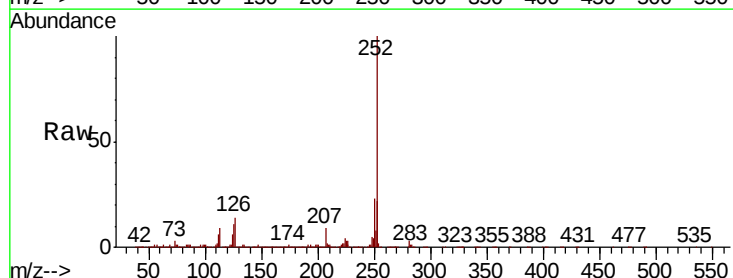
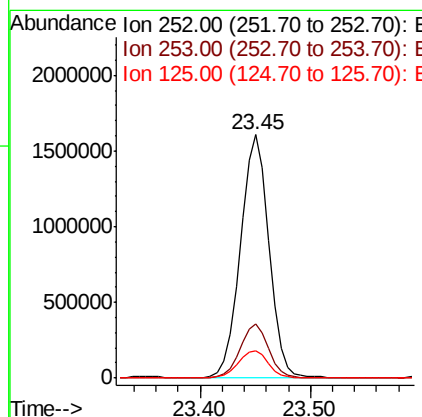
Manual Integrations
APPROVED

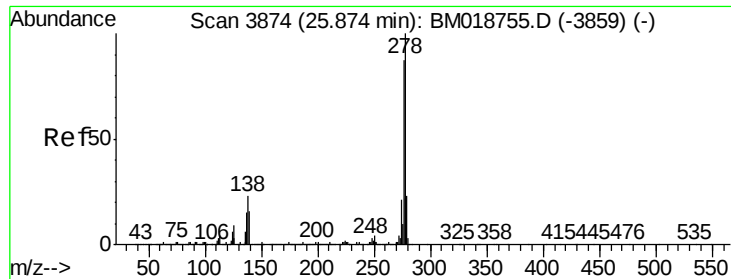
Sohil
2/21/2019 10:08:59 AM



#90
Benzo(a)pyrene
Concen: 40.353 ng
RT: 23.45 min Scan# 3462
Delta R.T. -0.02 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	11.3	8.6	13.0





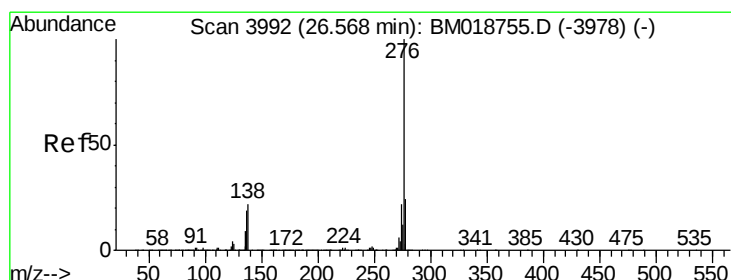
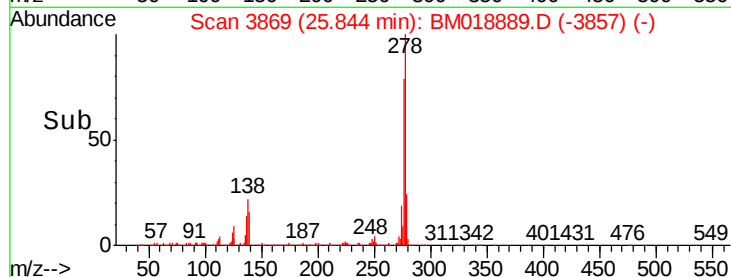
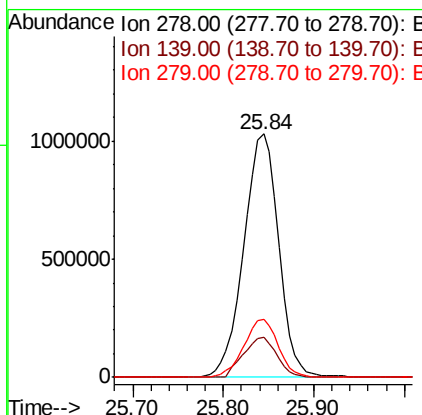
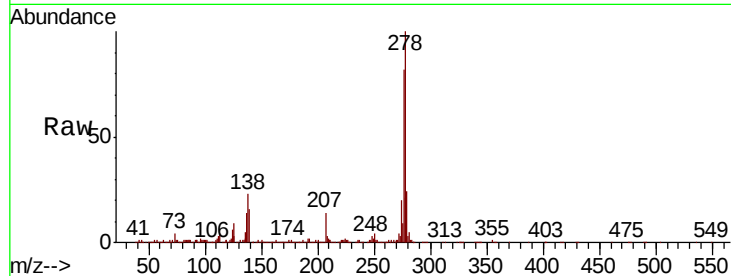
#91
Dibenzo(a,h)anthracene
Concen: 38.498 ng
RT: 25.84 min Scan# 3869
Delta R.T. -0.03 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Instrument :
BNA_M
ClientSampleId :
SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.3	12.6	18.8
279	23.7	18.6	28.0

Manual Integrations
APPROVED

Sohil
2/21/2019 10:08:59 AM



#92
Benzo(g,h,i)perylene
Concen: 39.317 ng
RT: 26.53 min Scan# 3986
Delta R.T. -0.04 min
Lab File: BM018889.D
Acq: 20 Feb 2019 18:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.2	28.8
138	21.6	17.3	25.9

