

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022318\
 Data File : BF103190.D
 Acq On : 23 Feb 2018 11:06
 Operator : SJ/JU
 Sample : J1161-03
 Misc : MDL-S-1ppm
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Manual Integrations
 APPROVED

Quant Time: Feb 23 12:41:53 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
1) 1,4-Dichlorobenzene-d4	6.87	152	171432	20.00	ng	0.00	
21) Naphthalene-d8	8.15	136	759387	20.00	ng	0.00	
38) Acenaphthene-d10	9.91	164	353698	20.00	ng	0.00	
63) Phenanthrene-d10	11.40	188	627738	20.00	ng	0.00	
75) Chrysene-d12	14.04	240	473909	20.00	ng	0.00	
86) Perylene-d12	15.54	264	462119	20.00	ng	0.00	Sohil
System Monitoring Compounds							
5) 2-Fluorophenol	5.49	112	1286019	113.46	ng	0.00	
7) Phenol-d6	6.50	99	1594640	114.97	ng	0.00	2/26/2018
23) Nitrobenzene-d5	7.44	82	1148408	86.36	ng	0.00	9:54:28 AM
41) 2,4,6-Tribromophenol	10.70	330	361094	120.61	ng	0.00	
44) 2-Fluorobiphenyl	9.23	172	1751985	85.41	ng	0.00	
78) Terphenyl-d14	12.99	244	1440734	73.08	ng	0.00	
Target Compounds						Qvalue	
2) 1,4-Dioxane	2.66	88	5958	0.995	ng	#	89
3) Pyridine	3.45	79	112	0.007	ng	#	9
4) n-Nitrosodimethylamine	3.49	42	3880m	0.602	ng		
6) Aniline	6.54	93	20262	1.012	ng		94
8) 2-Chlorophenol	6.66	128	13298	1.129	ng		90
9) Benzaldehyde	6.43	77	7318	0.164	ng		91
10) Phenol	6.52	94	18242	1.133	ng		81
11) bis(2-Chloroethyl)ether	6.60	93	14719	1.204	ng		88
12) 1,3-Dichlorobenzene	6.81	146	15558	1.156	ng		94
13) 1,4-Dichlorobenzene	6.89	146	15199	1.127	ng		97
14) 1,2-Dichlorobenzene	7.04	146	14948m	1.202	ng		
15) Benzyl Alcohol	7.03	79	27103	2.593	ng	#	39
16) 2,2'-oxybis(1-Chloropropan	7.14	45	23437	1.117	ng		96
17) 2-Methylphenol	7.12	107	11448	1.070	ng	#	92
18) Hexachloroethane	7.38	117	5669	1.154	ng		89
19) n-Nitroso-di-n-propylamine	7.27	70	10727	1.243	ng		95
20) 3+4-Methylphenols	7.29	107	15643	1.199	ng	#	87
22) Acetophenone	7.27	105	21186	1.195	ng	#	94
24) Nitrobenzene	7.45	77	18974	1.296	ng		96
25) Isophorone	7.44	82	1148395	43.850	ng	#	64
26) 2-Nitrophenol	7.77	139	5542	0.804	ng		92
27) 2,4-Dimethylphenol	7.81	122	9775	0.928	ng		92
28) bis(2-Chloroethoxy)methane	7.90	93	16415	1.066	ng		99
29) 2,4-Dichlorophenol	8.03	162	9357	0.928	ng		94
30) 1,2,4-Trichlorobenzene	8.09	180	11324	1.054	ng		98
31) Naphthalene	8.17	128	42965	1.156	ng		97
32) Benzoic acid	7.92	122	2774m	7.218	ng		
33) 4-Chloroaniline	8.23	127	14943	0.931	ng		96
34) Hexachlorobutadiene	8.29	225	6269	1.121	ng		90
35) Caprolactam	8.56	113	2782	0.785	ng	#	80
36) 4-Chloro-3-methylphenol	8.71	107	11613	1.021	ng		93
37) 2-Methylnaphthalene	8.87	142	27943	1.163	ng		98
39) 1,2,4,5-Tetrachlorobenzene	9.03	216	10664	1.103	ng		99
42) 2,4,6-Trichlorophenol	9.15	196	6006	0.923	ng		98

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022318\
 Data File : BF103190.D
 Acq On : 23 Feb 2018 11:06
 Operator : SJ/JU
 Sample : J1161-03
 Misc : MDL-S-1ppm
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Manual Integrations
 APPROVED

Quant Time: Feb 23 12:41:53 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) 2,4,5-Trichlorophenol	9.20	196	7087	0.947	ng	# 89
45) 1,1'-Biphenyl	9.33	154	39663	1.338	ng	99
46) 2-Chloronaphthalene	9.36	162	26312	1.122	ng	97
47) 2-Nitroaniline	9.46	65	8235	0.948	ng	# 72
48) Acenaphthylene	9.77	152	40946	1.135	ng	98
49) Dimethylphthalate	9.62	163	31629	1.115	ng	99 Sohil
50) 2,6-Dinitrotoluene	9.69	165	5463	0.917	ng	# 82
51) Acenaphthene	9.94	154	24503	1.165	ng	95
52) 3-Nitroaniline	9.87	138	6434	0.852	ng	# 86
54) Dibenzofuran	10.12	168	35807	1.240	ng	99 2/26/2018
55) 4-Nitrophenol	10.12	139	17340m	3.703	ng	9:54:28 AM
56) 2,4-Dinitrotoluene	10.10	165	6558	0.871	ng	# 84
57) Fluorene	10.46	166	28461	1.157	ng	# 99
58) 2,3,4,6-Tetrachlorophenol	10.24	232	4716	0.938	ng	# 96
59) Diethylphthalate	10.32	149	31730	1.169	ng	97
60) 4-Chlorophenyl-phenylether	10.45	204	12140	1.164	ng	94
61) 4-Nitroaniline	10.48	138	5690	0.754	ng	96
62) Azobenzene	10.61	77	31549	1.142	ng	96
64) 4,6-Dinitro-2-methylphenol	10.52	198	802	5.134	ng	# 46
65) n-Nitrosodiphenylamine	10.56	169	24548	1.123	ng	97
66) 4-Bromophenyl-phenylether	10.94	248	6727	1.029	ng	93
67) Hexachlorobenzene	11.01	284	7367	1.038	ng	94
68) Atrazine	11.09	200	6542	0.996	ng	95
69) Pentachlorophenol	11.22	266	1046	0.305	ng	# 83
70) Phenanthrene	11.42	178	41660	1.206	ng	97
71) Anthracene	11.47	178	40693	1.149	ng	98
72) Carbazole	11.64	167	37336	1.058	ng	100
73) Di-n-butylphthalate	11.95	149	49239	1.115	ng	96
74) Fluoranthene	12.62	202	38492	1.109	ng	97
76) Benzidine	12.74	184	9231	0.521	ng	# 96
77) Pyrene	12.84	202	42166	1.141	ng	97
79) Butylbenzylphthalate	13.45	149	18438	0.944	ng	92
80) Benzo(a)anthracene	14.03	228	32809	1.067	ng	97
81) 3,3'-Dichlorobenzidine	14.00	252	10258	0.935	ng	# 97
82) Chrysene	14.07	228	33040	1.107	ng	99
83) Bis(2-ethylhexyl)phthalate	14.00	149	28138	1.068	ng	# 97
84) Di-n-octyl phthalate	14.63	149	47832	1.124	ng	96
85) Indeno(1,2,3-cd)pyrene	17.06	276	27163	1.149	ng	96
87) Benzo(b)fluoranthene	15.10	252	30506m	1.004	ng	
88) Benzo(k)fluoranthene	15.13	252	29834	1.043	ng	99
89) Benzo(a)pyrene	15.47	252	27247	1.004	ng	# 96
90) Dibenzo(a,h)anthracene	17.06	278	21600	1.030	ng	# 89
91) Benzo(g,h,i)perylene	17.52	276	21432	1.046	ng	96

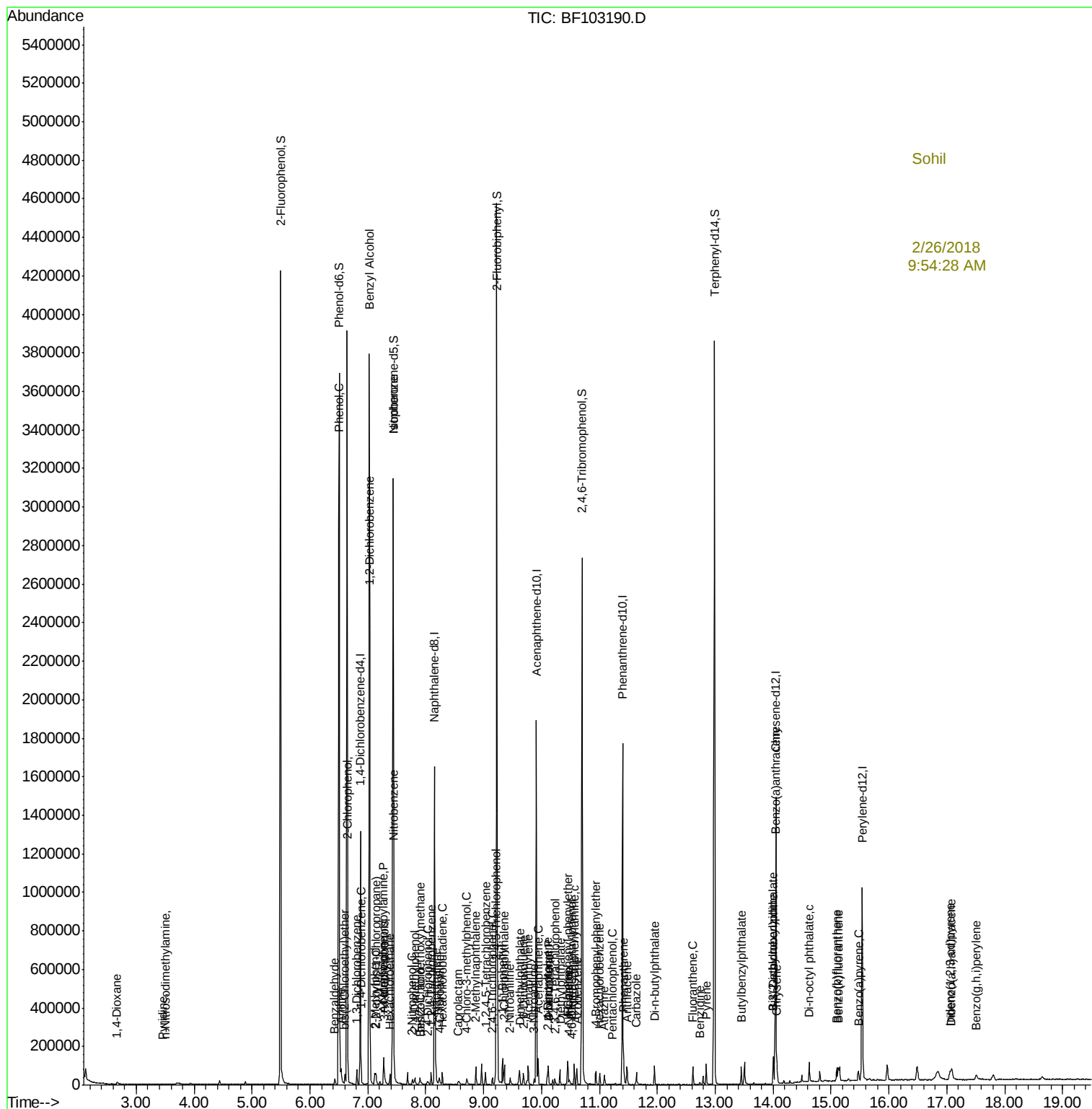
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022318\
Data File : BF103190.D
Acq On : 23 Feb 2018 11:06
Operator : SJ/JU
Sample : J1161-03
Misc : MDL-S-1ppm
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleID :
MDL-SOIL-03-QT1-2018

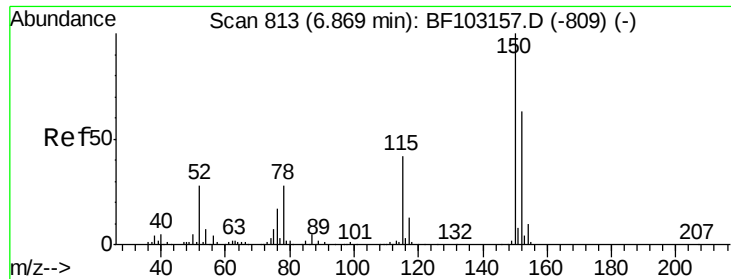
Manual Integrations
APPROVED

Quant Time: Feb 23 12:41:53 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 02:43:46 2018
Response via : Initial Calibration



Sohil

2/26/2018
9:54:28 AM



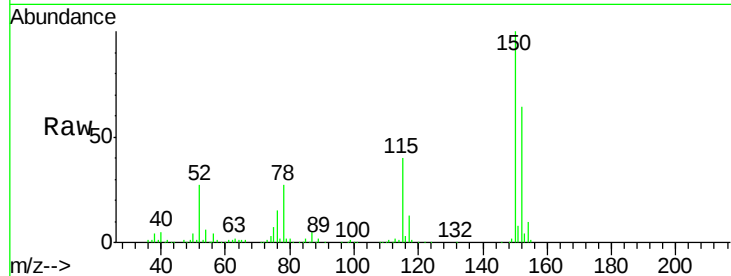
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

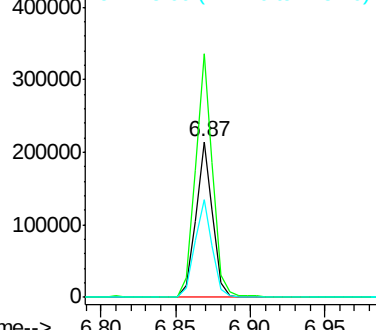
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	62.6	50.1	75.1

Manual Integrations
APPROVED

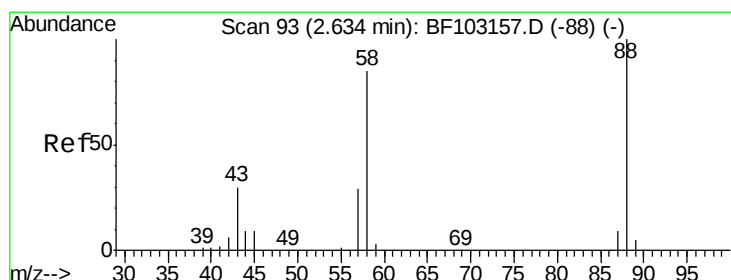
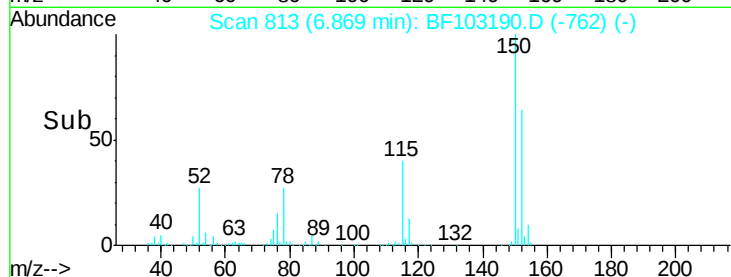


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



Sohil

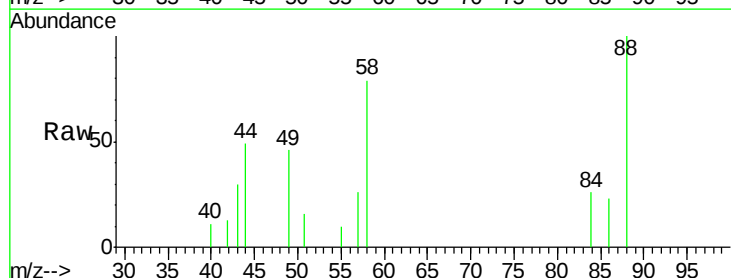
2/26/2018
9:54:28 AM



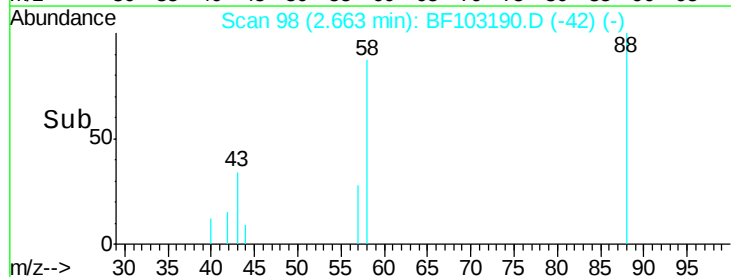
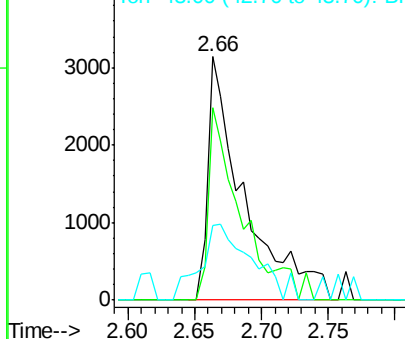
#2

1,4-Dioxane
Concen: 0.995 ng
RT: 2.66 min Scan# 98
Delta R.T. 0.03 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Lower	Upper
88	100		
58	72.1	62.6	93.8
43	42.3	24.6	37.0



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1



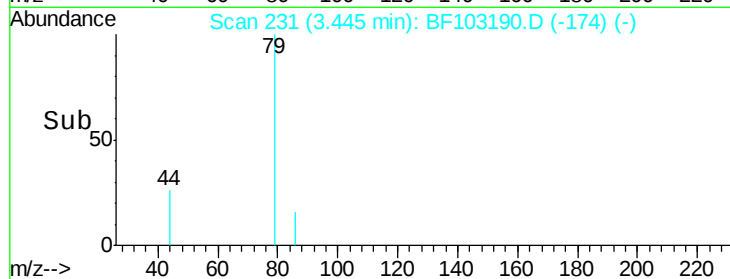
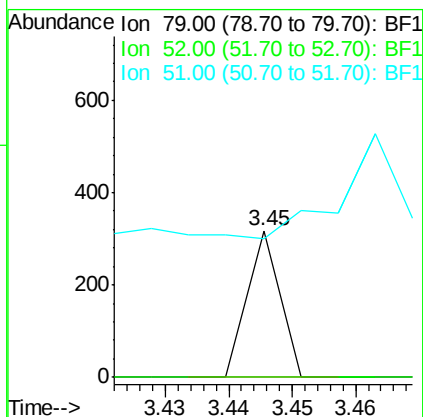
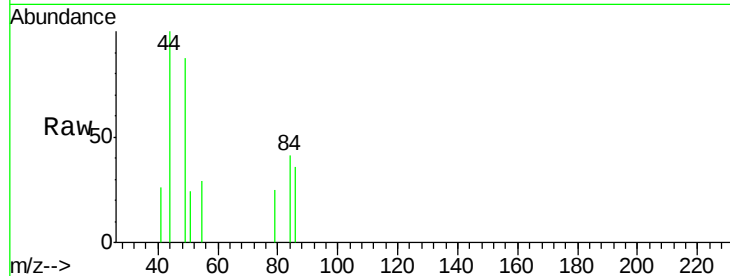


#3
 Pyridine
 Concen: 0.007 ng
 RT: 3.45 min Scan# 231
 Delta R.T. 0.04 min
 Lab File: BF103190.D
 Acq: 23 Feb 2018 11:06

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

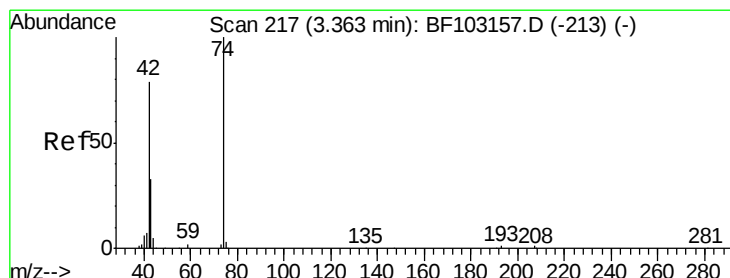
Tgt Ion	Ratio	Lower	Upper
79	100		
52	0.0	59.8	89.6#
51	94.6	29.8	44.8#

Manual Integrations
 APPROVED



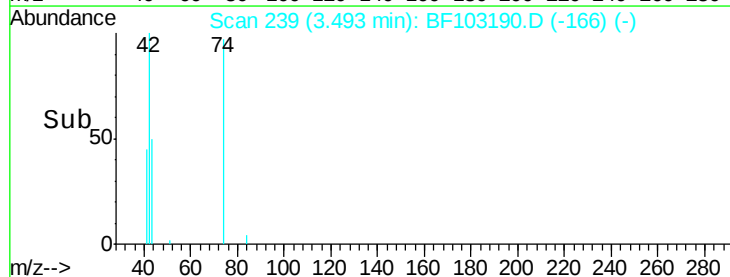
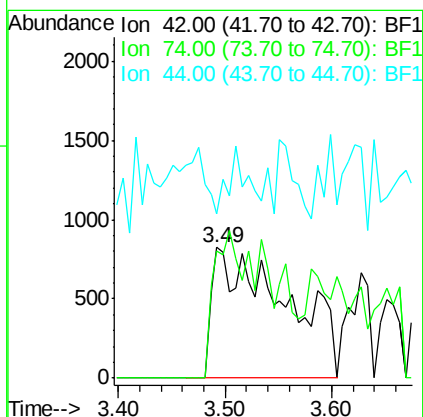
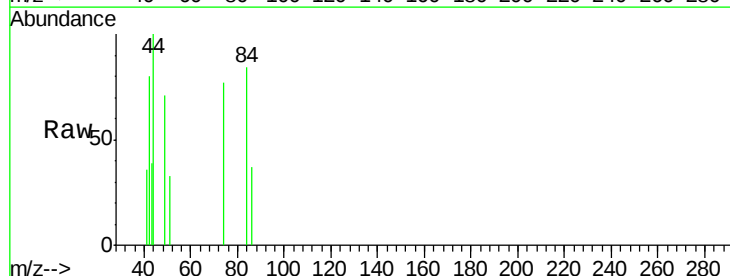
Sohil

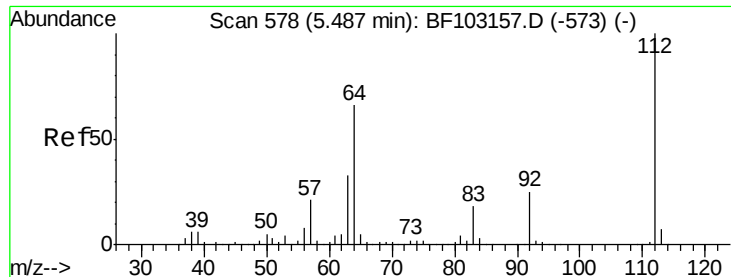
2/26/2018
 9:54:28 AM



#4
 n-Nitrosodimethylamine
 Concen: 0.602 ng m
 RT: 3.49 min Scan# 239
 Delta R.T. 0.13 min
 Lab File: BF103190.D
 Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Lower	Upper
42	100		
74	97.0	104.9	157.3#
44	125.7	6.9	10.3#





#5

2-Fluorophenol

Concen: 113.457 ng

RT: 5.49 min Scan# 579

Delta R.T. 0.01 min

Lab File: BF103190.D

Acq: 23 Feb 2018 11:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion: 112 Resp: 1286019

Ion Ratio Lower Upper

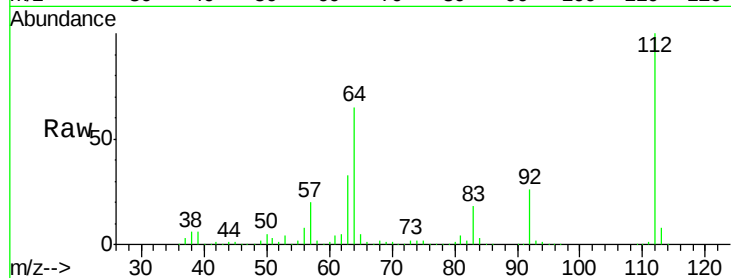
112 100

64 64.7 47.9 71.9

63 32.8 23.7 35.5

Manual Integrations

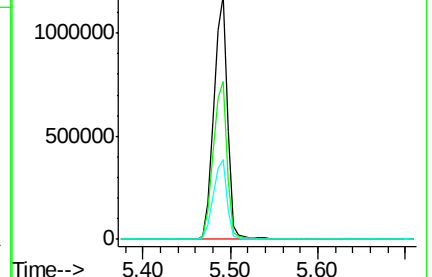
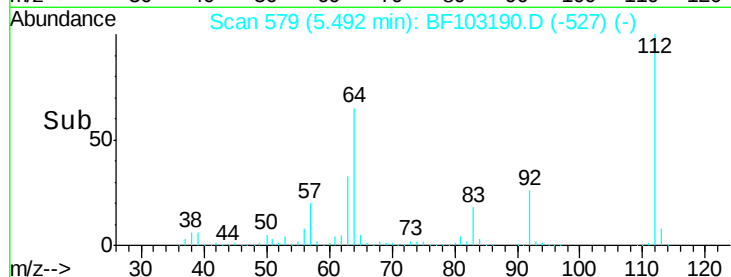
APPROVED



Abundance Ion 112.00 (111.70 to 112.70): BF1

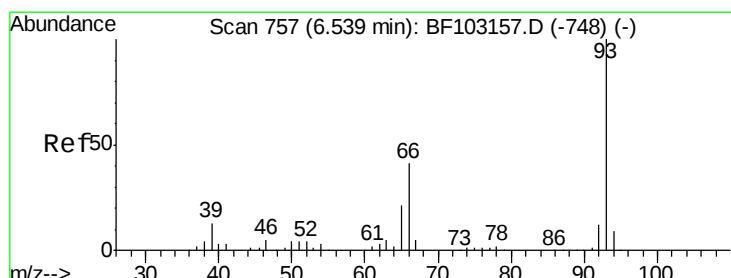
Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



Sohil

2/26/2018
9:54:28 AM



#6

Aniline

Concen: 1.012 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.00 min

Lab File: BF103190.D

Acq: 23 Feb 2018 11:06

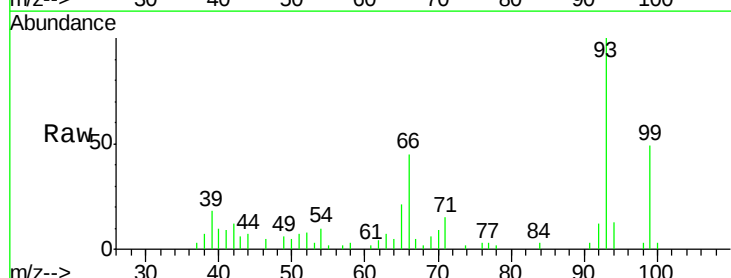
Tgt Ion: 93 Resp: 20262

Ion Ratio Lower Upper

93 100

66 45.5 32.2 48.2

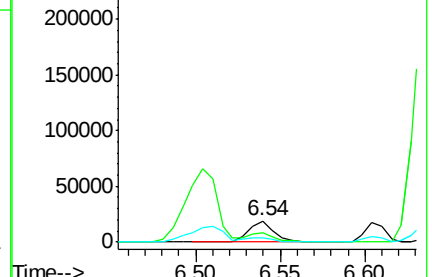
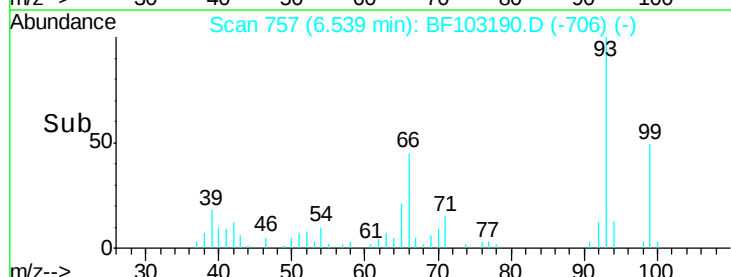
65 20.6 16.4 24.6

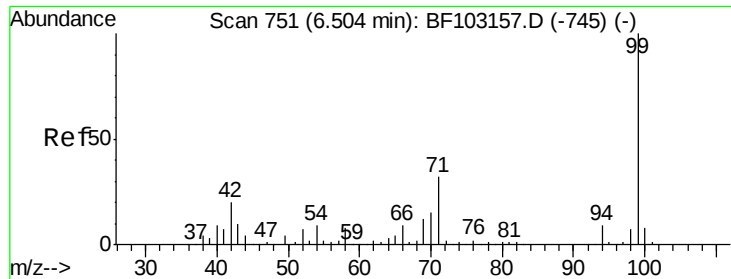


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 114.971 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF103190.D

Acq: 23 Feb 2018 11:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion: 99 Resp: 1594640

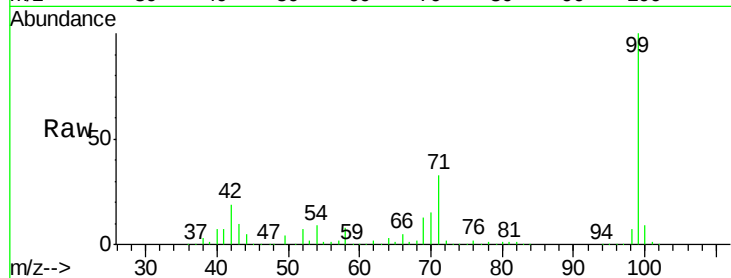
Ion Ratio Lower Upper

99 100

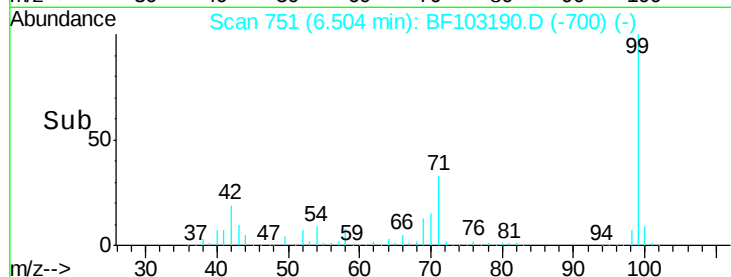
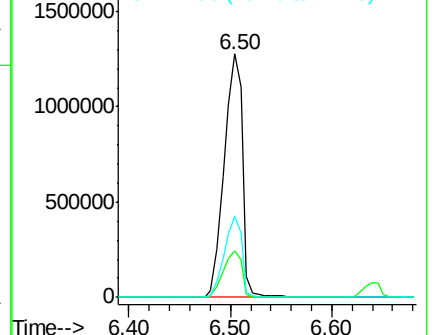
42 19.2 14.5 21.7

71 33.3 25.4 38.0

Manual Integrations
APPROVED

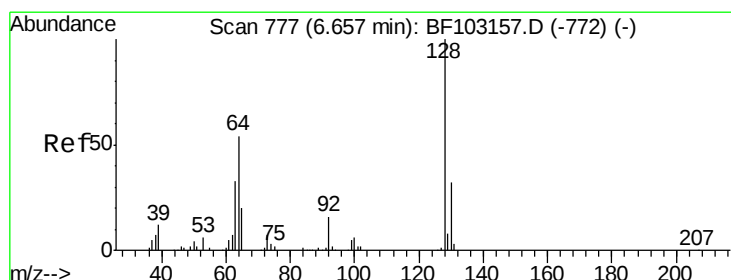


Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



Sohil

2/26/2018
9:54:28 AM



#8

2-Chlorophenol

Concen: 1.129 ng

RT: 6.66 min Scan# 777

Delta R.T. -0.00 min

Lab File: BF103190.D

Acq: 23 Feb 2018 11:06

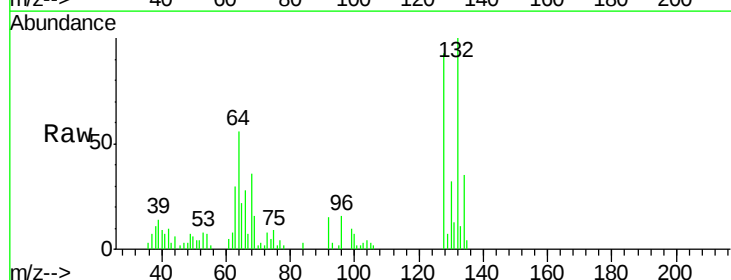
Tgt Ion: 128 Resp: 13298

Ion Ratio Lower Upper

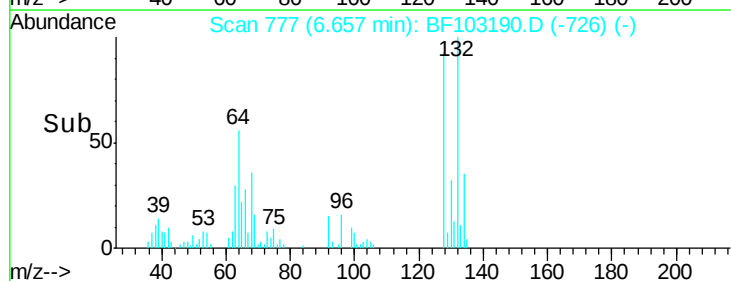
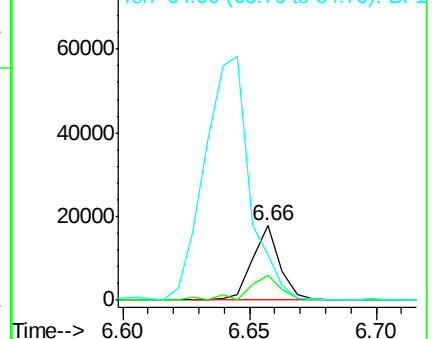
128 100

130 33.9 13.0 53.0

64 60.5 29.4 69.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 0.164 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF103190.D

Acq: 23 Feb 2018 11:06

Instrument :

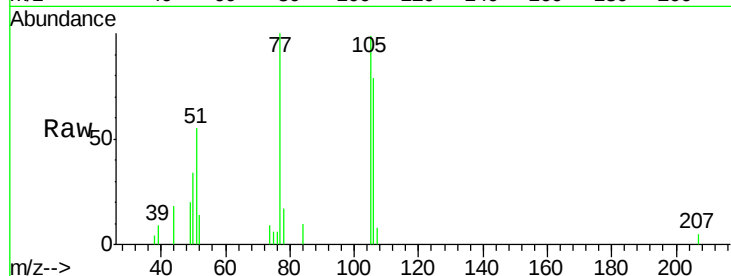
BNA_F

ClientSampleId :

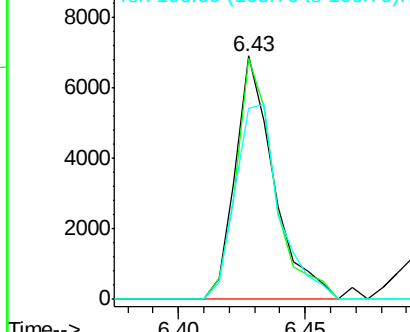
MDL-SOIL-03-QT1-2018

Tgt Ion:	77	Resp:	7318
Ion	Ratio	Lower	Upper
77	100		
105	99.0	81.1	121.1
106	78.6	74.5	114.5

Manual Integrations
APPROVED

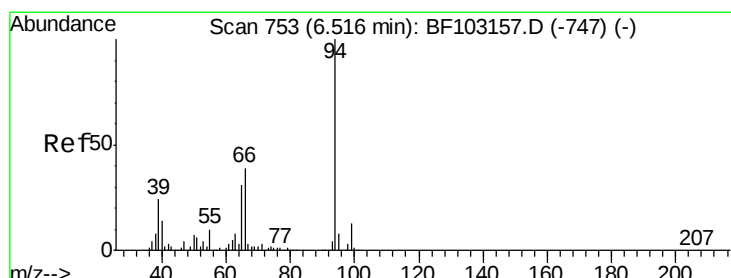
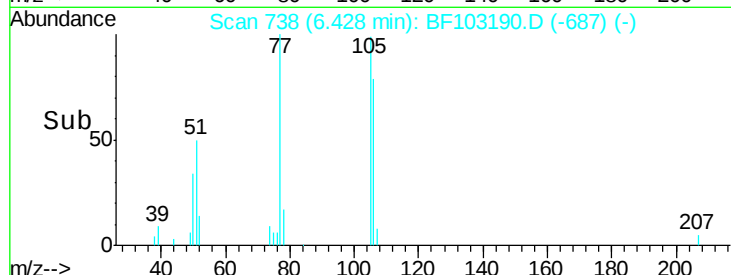


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1



Sohil

2/26/2018
9:54:28 AM



#10

Phenol

Concen: 1.133 ng

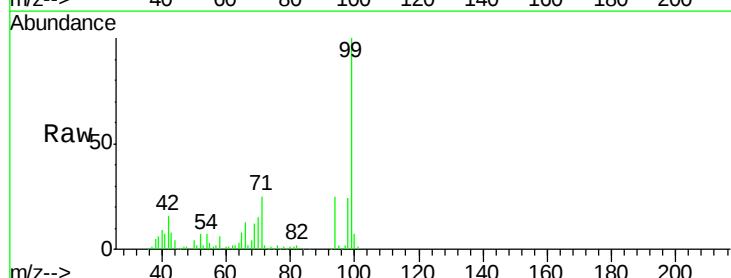
RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

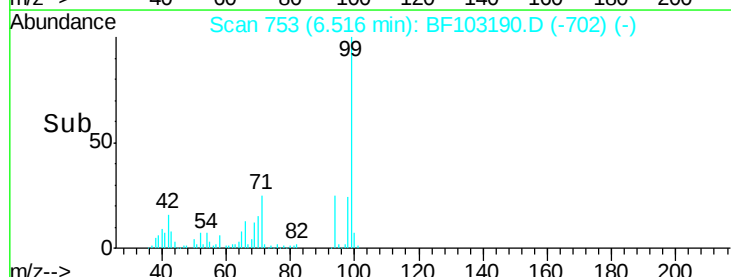
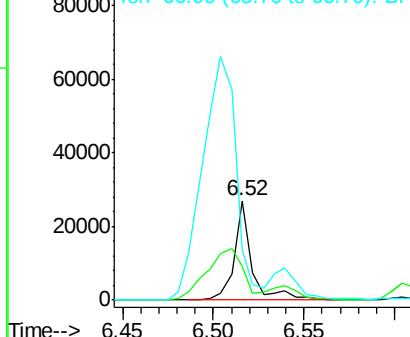
Lab File: BF103190.D

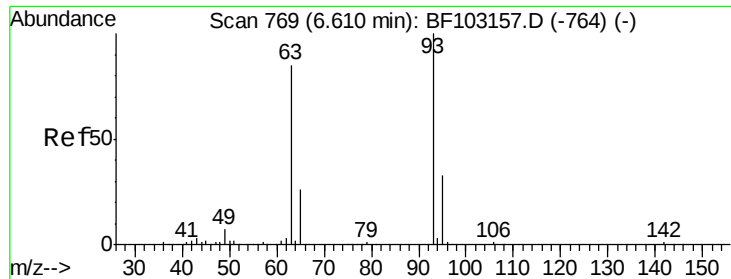
Acq: 23 Feb 2018 11:06

Tgt Ion:	94	Resp:	18242
Ion	Ratio	Lower	Upper
94	100		
65	34.1	7.9	47.9
66	50.8	16.2	56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 1.204 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF103190.D

Acq: 23 Feb 2018 11:06

Instrument :

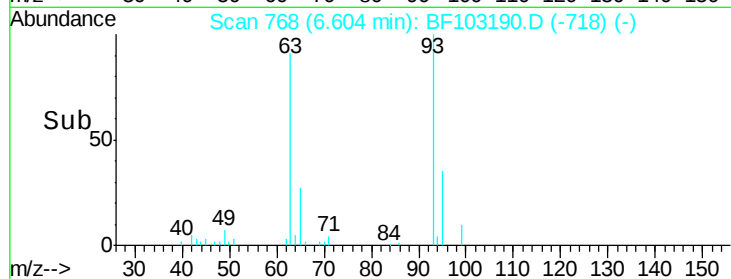
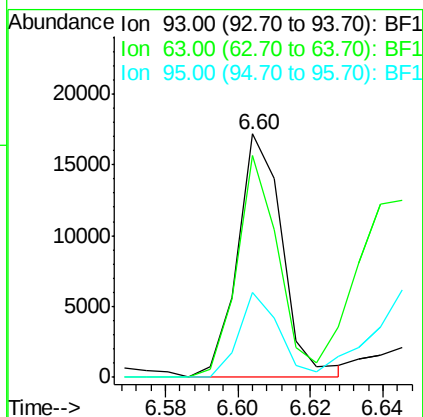
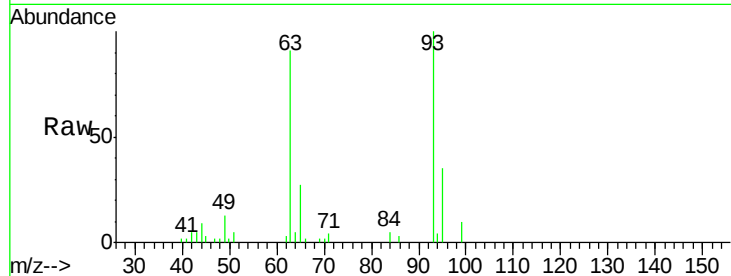
BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2018

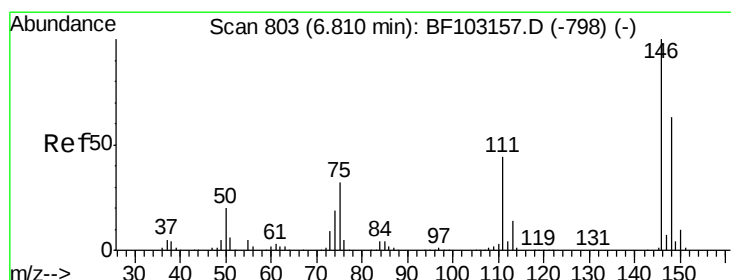
Tgt Ion:	93	Resp:	14719
Ion	Ratio	Lower	Upper
93	100		
63	91.0	58.6	98.6
95	34.8	11.8	51.8

Manual Integrations
APPROVED



Sohil

2/26/2018
9:54:28 AM



#12

1,3-Dichlorobenzene

Concen: 1.156 ng

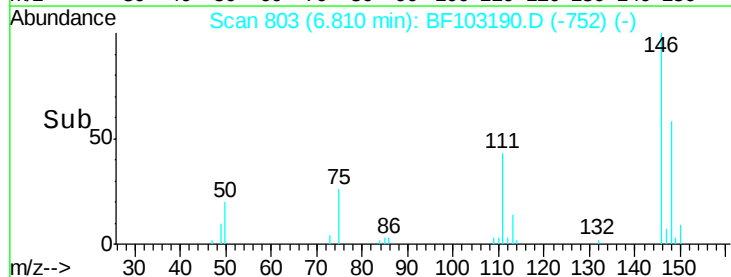
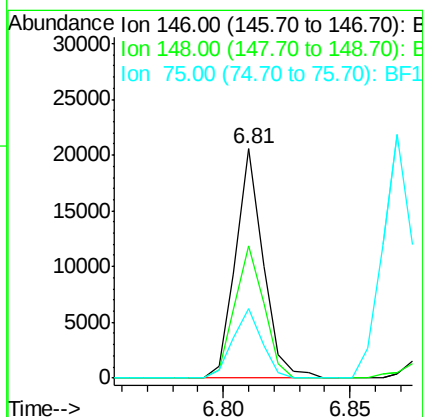
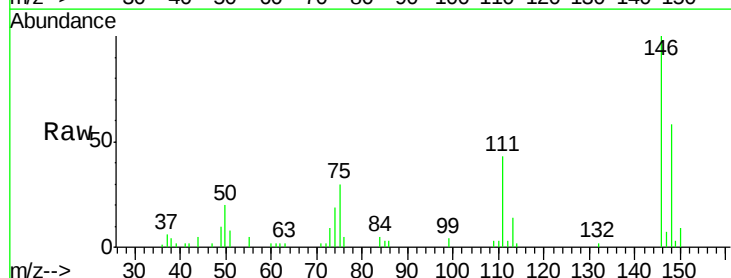
RT: 6.81 min Scan# 803

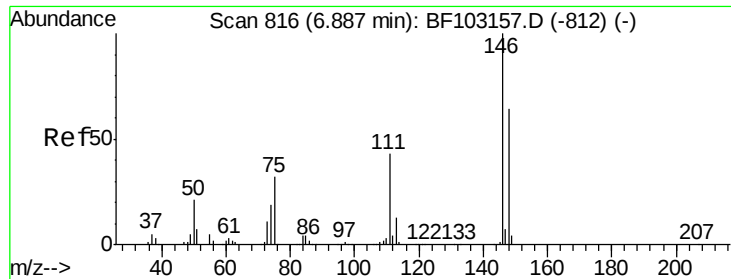
Delta R.T. -0.00 min

Lab File: BF103190.D

Acq: 23 Feb 2018 11:06

Tgt Ion:	146	Resp:	15558
Ion	Ratio	Lower	Upper
146	100		
148	57.6	51.8	77.8
75	30.3	24.2	36.4



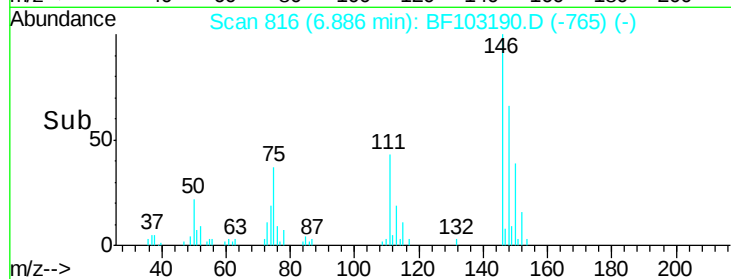
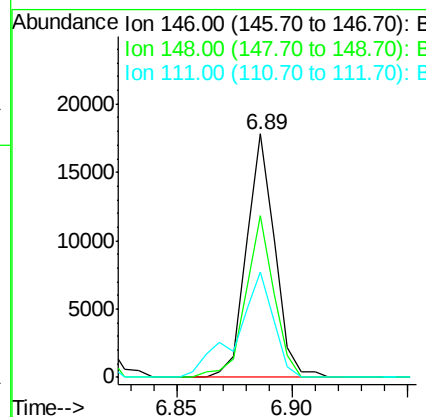
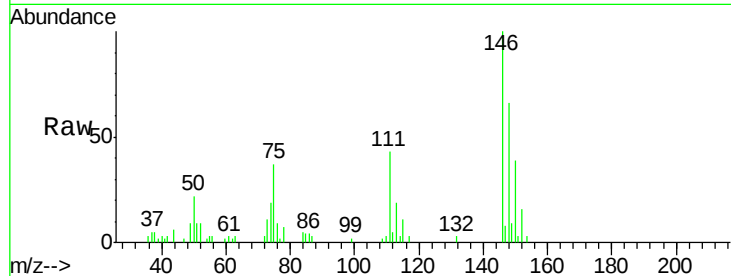


#13
 1,4-Dichlorobenzene
 Concen: 1.127 ng
 RT: 6.89 min Scan# 816
 Delta R.T. -0.00 min
 Lab File: BF103190.D
 Acq: 23 Feb 2018 11:06

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

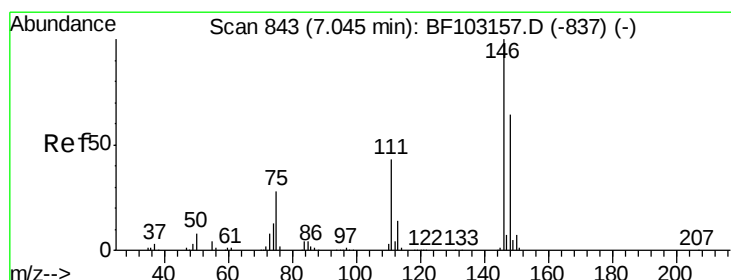
Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.3	50.8	76.2
111	43.4	34.2	51.2

Manual Integrations
 APPROVED



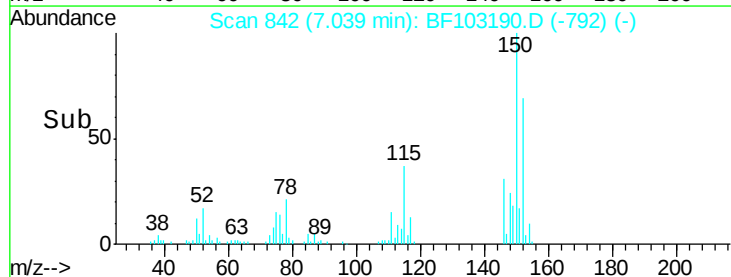
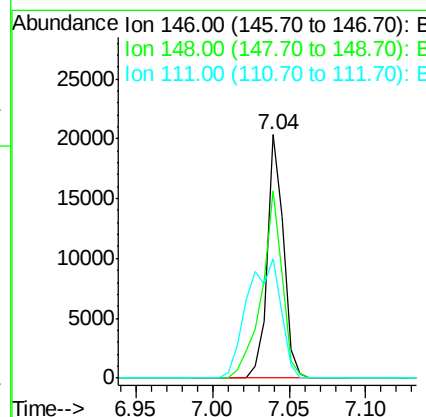
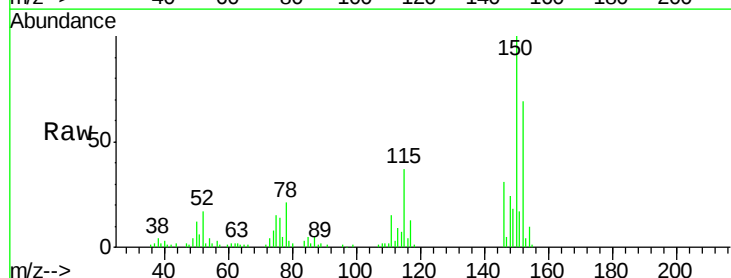
Sohil

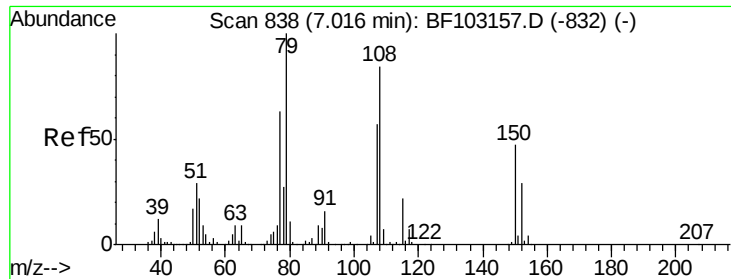
2/26/2018
 9:54:28 AM



#14
 1,2-Dichlorobenzene
 Concen: 1.202 ng m
 RT: 7.04 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BF103190.D
 Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Lower	Upper
146	100		
148	77.0	50.6	75.8#
111	49.1	36.0	54.0





#15

Benzyl Alcohol

Concen: 2.593 ng

RT: 7.03 min Scan# 840

Delta R.T. 0.01 min

Lab File: BF103190.D

Acq: 23 Feb 2018 11:06

Instrument :

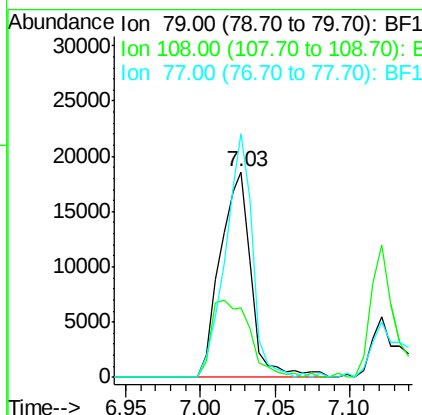
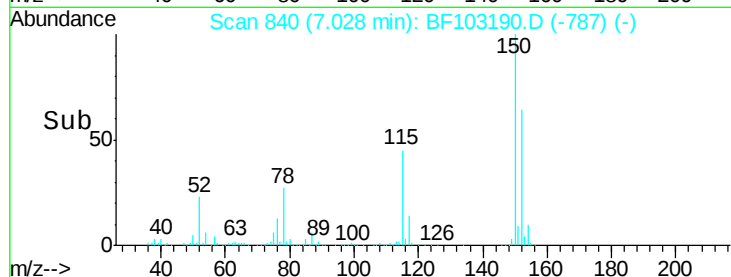
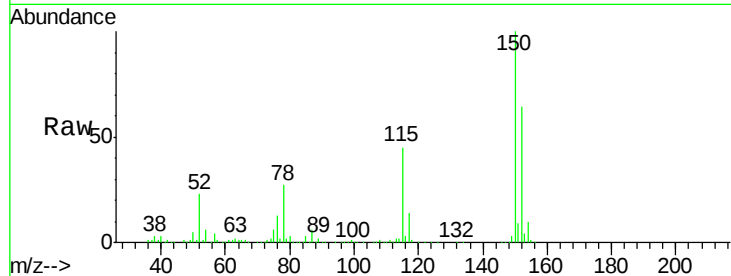
BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2018

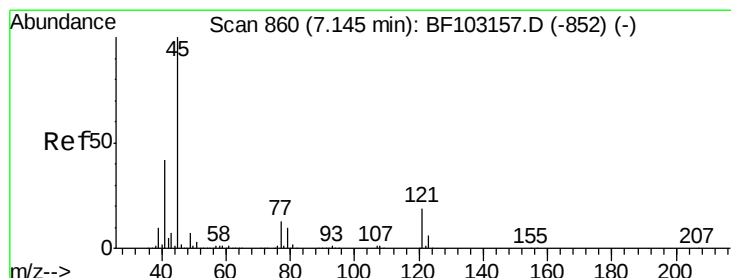
Tgt Ion:	79	Resp:	27103
Ion Ratio	Lower	Upper	
79	100		
108	33.6	65.1	97.7#
77	118.6	50.6	75.8#

Manual Integrations
APPROVED



Sohil

2/26/2018
9:54:28 AM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 1.117 ng

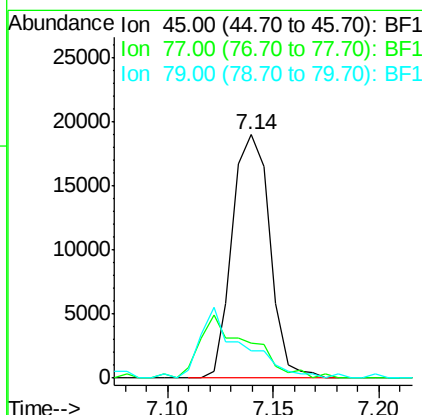
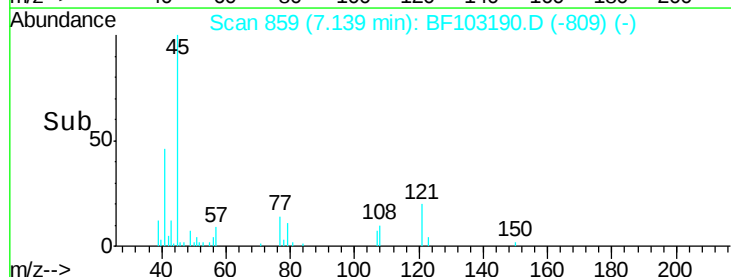
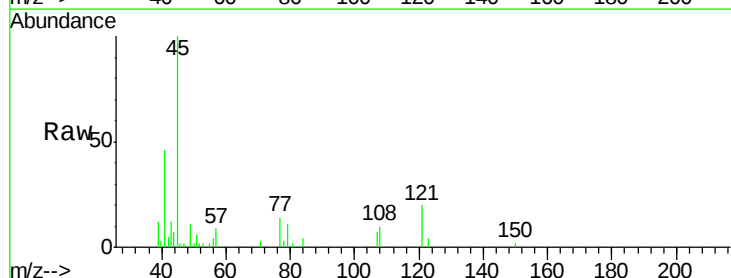
RT: 7.14 min Scan# 859

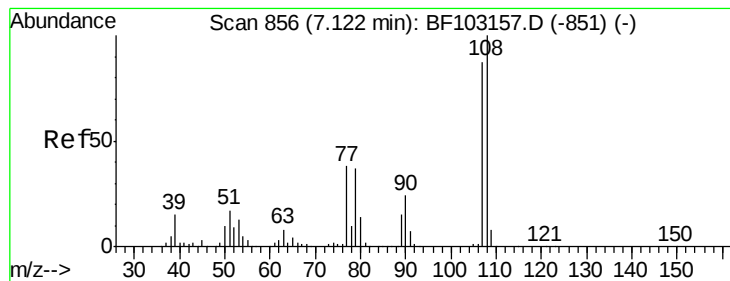
Delta R.T. -0.01 min

Lab File: BF103190.D

Acq: 23 Feb 2018 11:06

Tgt Ion:	45	Resp:	23437
Ion Ratio	Lower	Upper	
45	100		
77	14.2	0.0	32.9
79	11.3	0.0	29.6



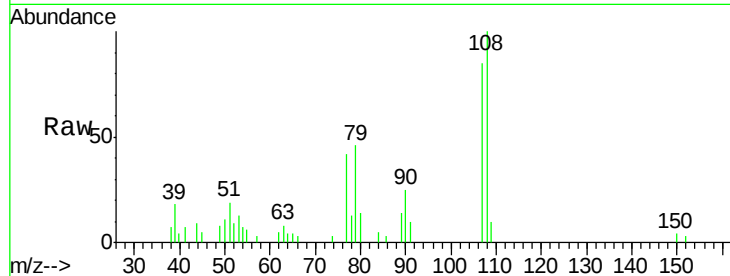


#17
2-Methylphenol
Concen: 1.070 ng
RT: 7.12 min Scan# 856
Delta R.T. -0.00 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
107	100		
108	117.7	91.7	137.5
77	49.0	33.8	50.8
79	54.0	33.8	50.8

Manual Integrations
APPROVED



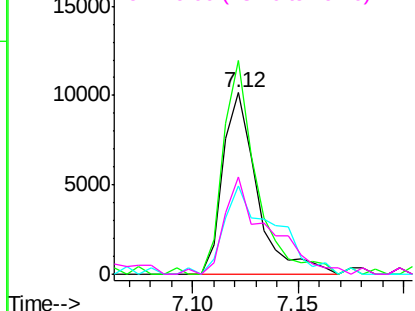
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

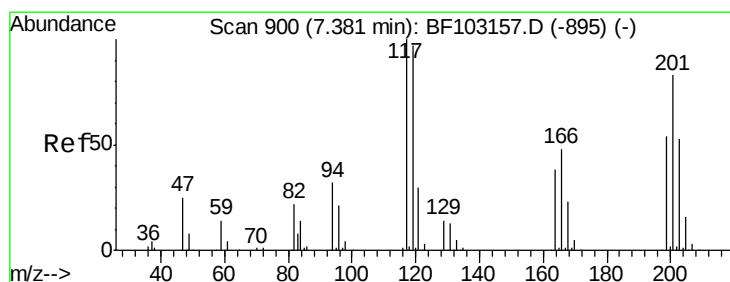
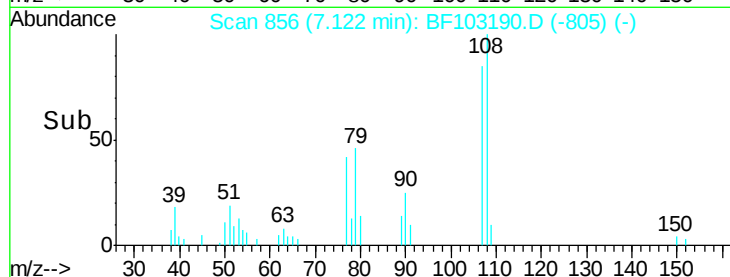
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



Sohil

2/26/2018
9:54:28 AM



#18
Hexachloroethane
Concen: 1.154 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.00 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

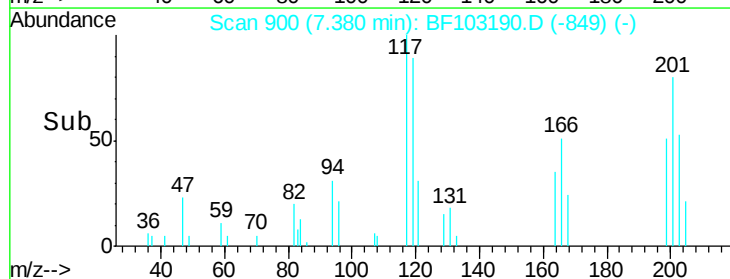
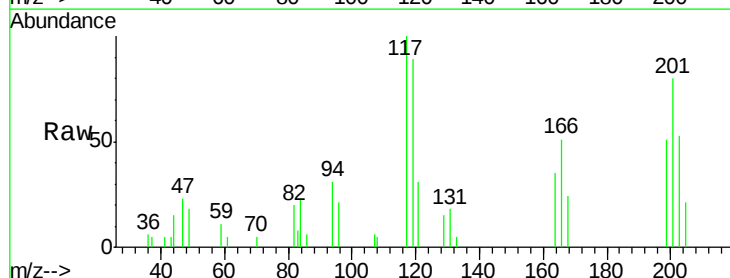
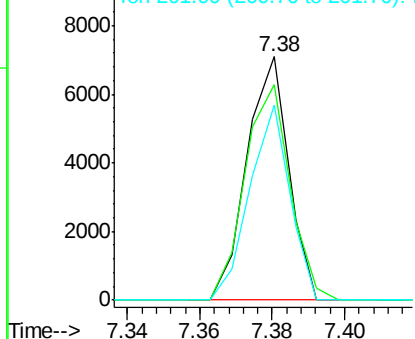
Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.5	75.8	113.8
201	80.2	75.7	113.5

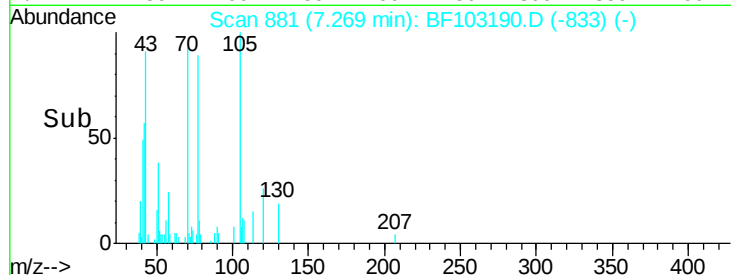
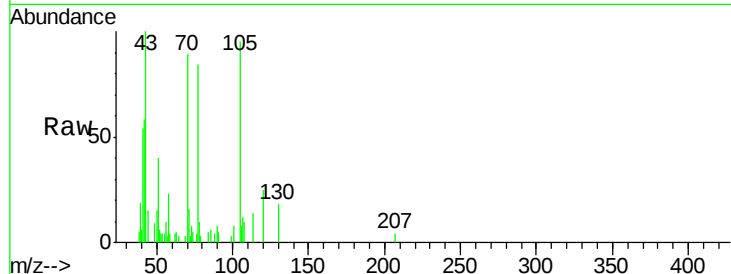
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

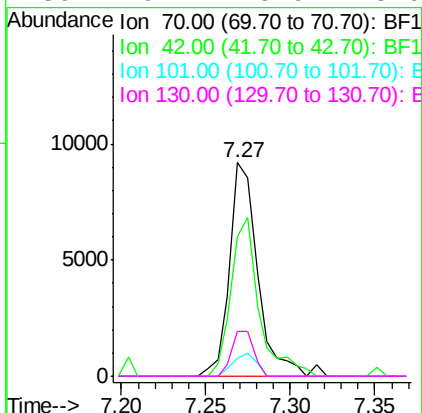
Ion 201.00 (200.70 to 201.70): E





#19
n-Nitroso-di-n-propylamine
Concen: 1.243 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Lower	Upper
70	100		
42	65.0	47.5	71.3
101	8.5	7.4	11.2
130	20.7	16.6	25.0

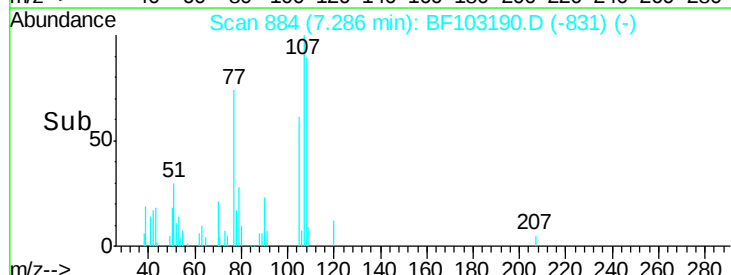
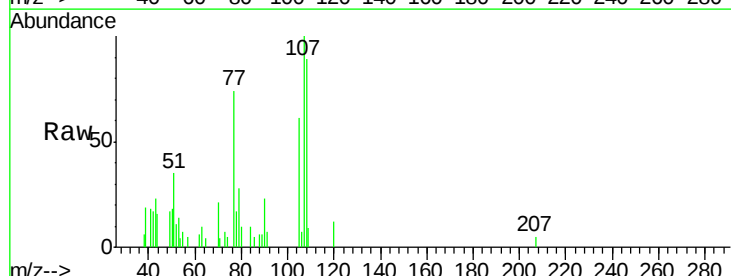
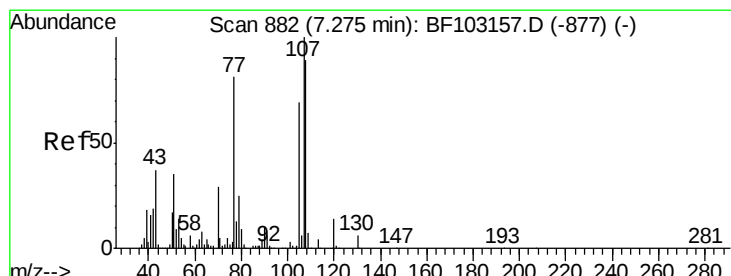


Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Manual Integrations
APPROVED

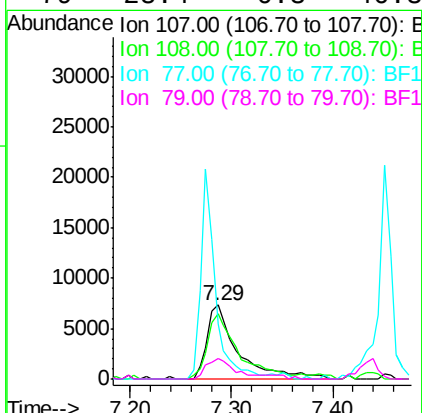
Sohil

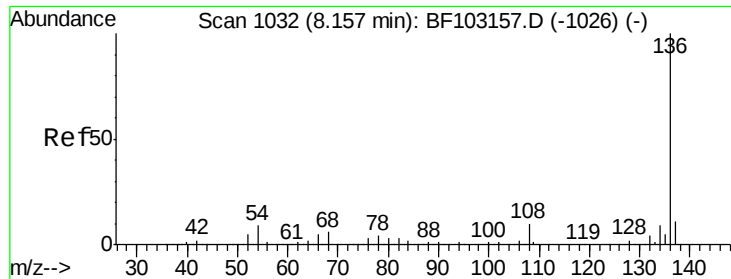
2/26/2018
9:54:28 AM



#20
3+4-Methylphenols
Concen: 1.199 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.6	68.2	108.2
77	74.4	26.7	66.7#
79	28.4	6.3	46.3



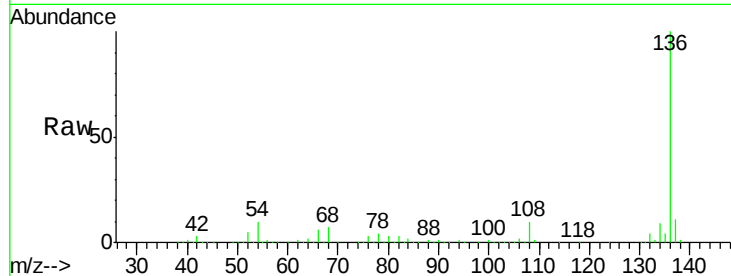


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

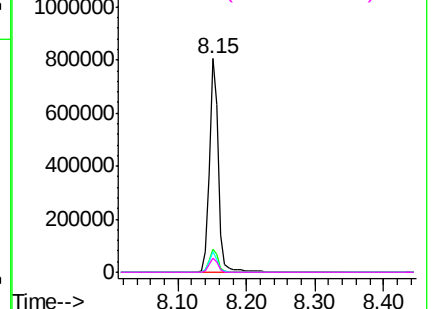
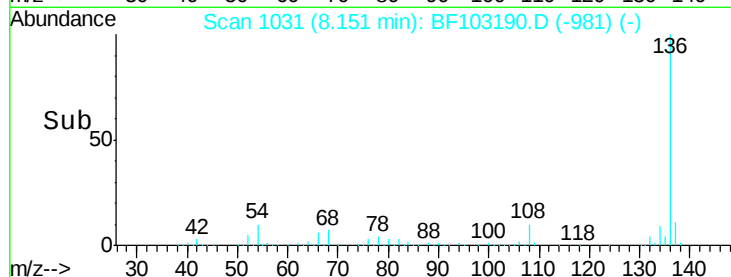
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	759387		
137	11.1	8.9	13.3	
54	9.5	6.6	9.8	
68	6.9	5.0	7.4	

Manual Integrations
APPROVED

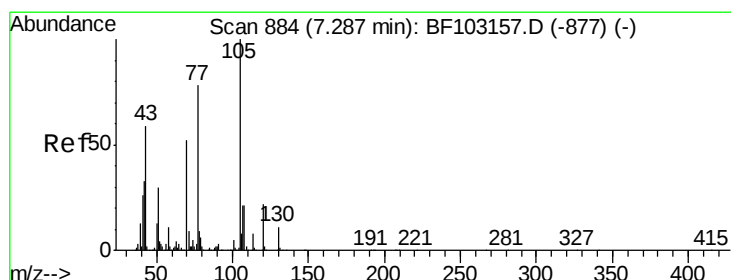


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



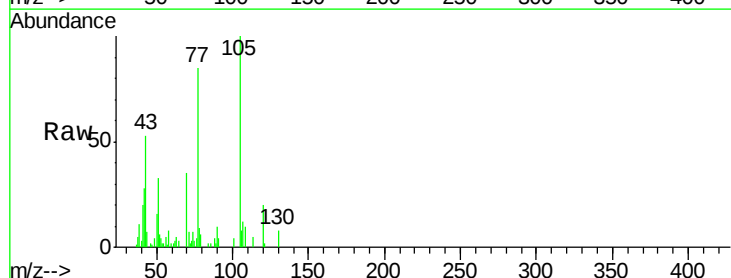
Sohil

2/26/2018
9:54:28 AM

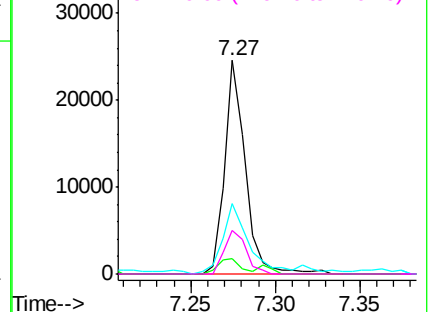
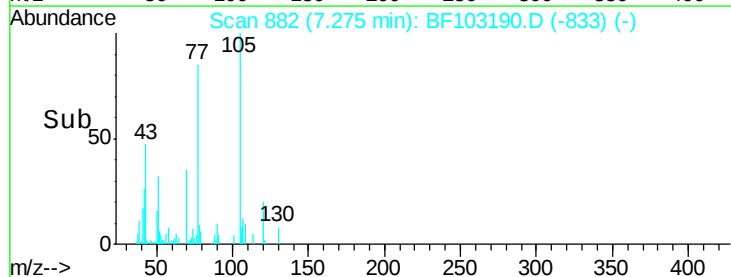


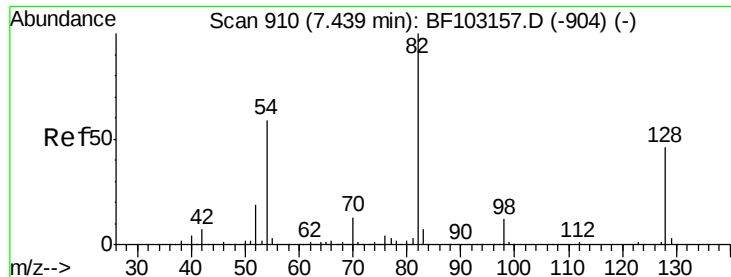
#22
Acetophenone
Concen: 1.195 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	21186		
71	7.3	4.4	6.6#	
51	33.2	22.3	33.5	
120	20.3	16.9	25.3	



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E



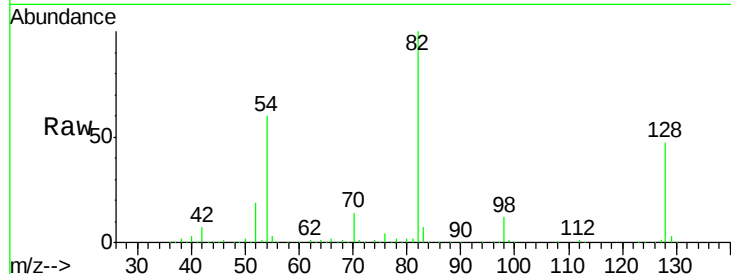


#23
 Nitrobenzene-d5
 Concen: 86.364 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: BF103190.D
 Acq: 23 Feb 2018 11:06

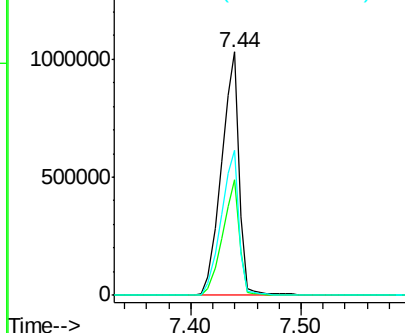
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion: 82 Resp: 1148408
 Ion Ratio Lower Upper
 82 100
 128 47.3 36.1 54.1
 54 59.6 41.4 62.2

Manual Integrations
 APPROVED

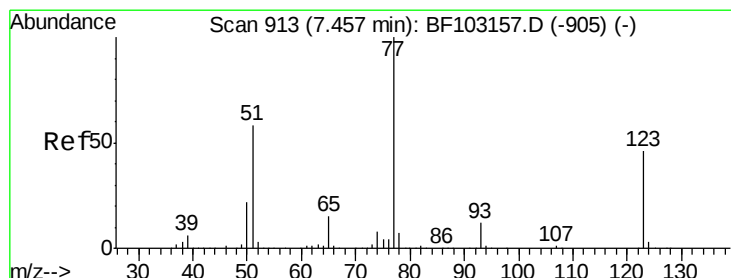
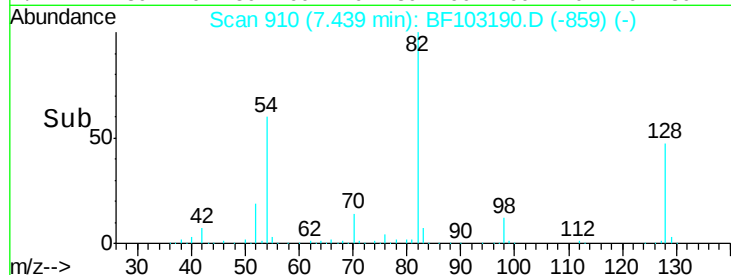


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1



Sohil

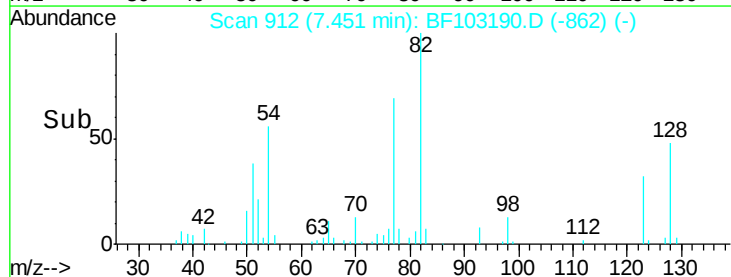
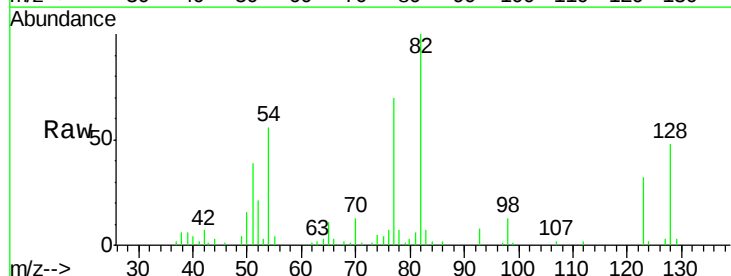
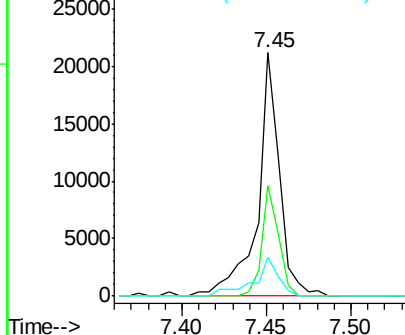
2/26/2018
 9:54:28 AM

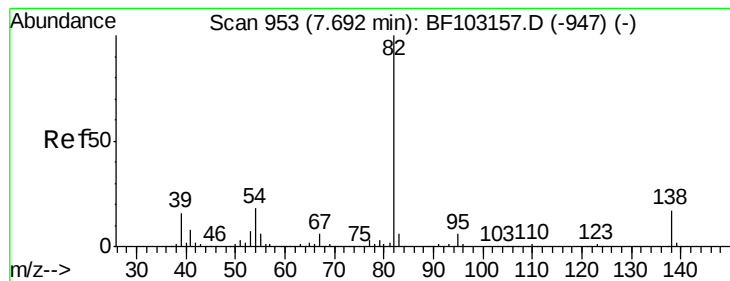


#24
 Nitrobenzene
 Concen: 1.296 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF103190.D
 Acq: 23 Feb 2018 11:06

Tgt Ion: 77 Resp: 18974
 Ion Ratio Lower Upper
 77 100
 123 45.4 37.9 56.9
 65 16.1 11.0 16.4

Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 43.850 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.25 min

Lab File: BF103190.D

Acq: 23 Feb 2018 11:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tgt Ion: 82 Resp: 1148395

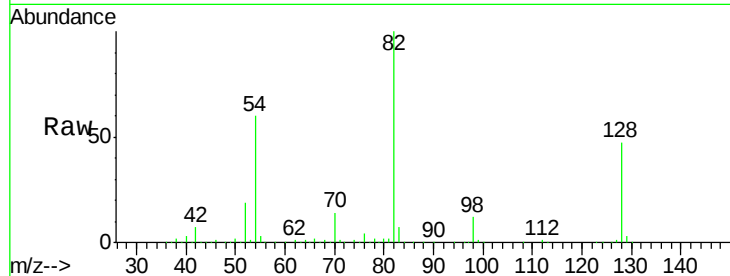
Ion Ratio Lower Upper

82 100

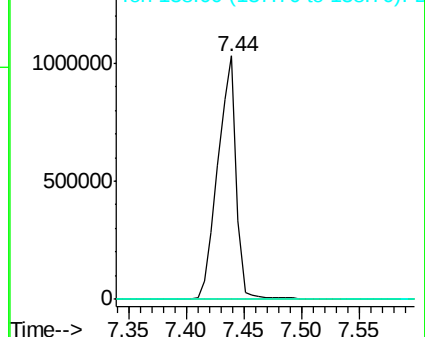
95 0.0 5.2 7.8#

138 0.0 14.9 22.3#

Manual Integrations
APPROVED

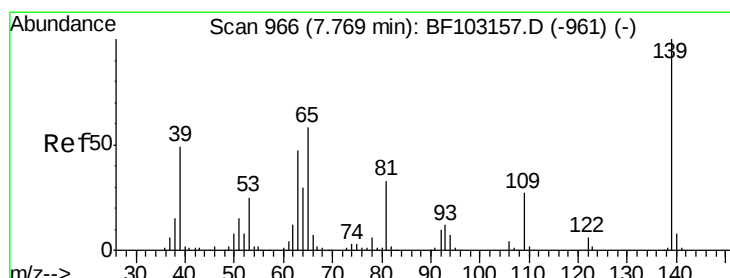
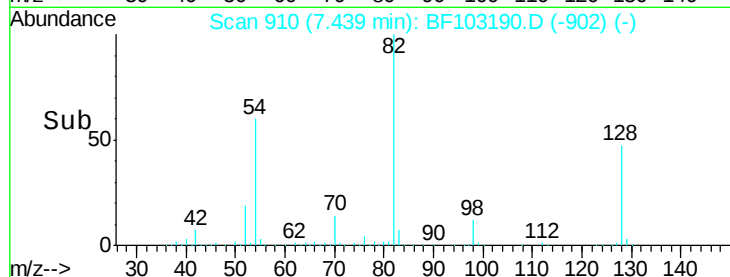


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



Sohil

2/26/2018
9:54:28 AM



#26

2-Nitrophenol

Concen: 0.804 ng

RT: 7.77 min Scan# 967

Delta R.T. 0.01 min

Lab File: BF103190.D

Acq: 23 Feb 2018 11:06

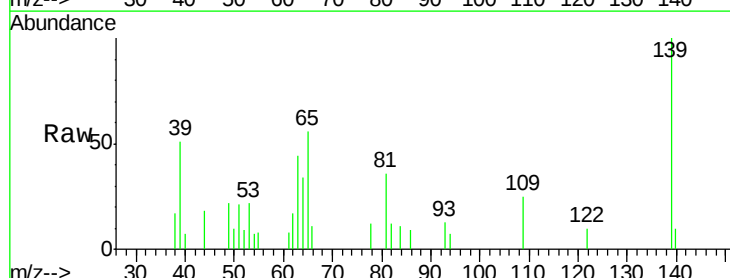
Tgt Ion: 139 Resp: 5542

Ion Ratio Lower Upper

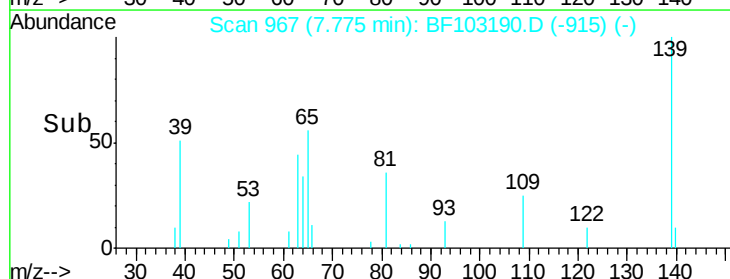
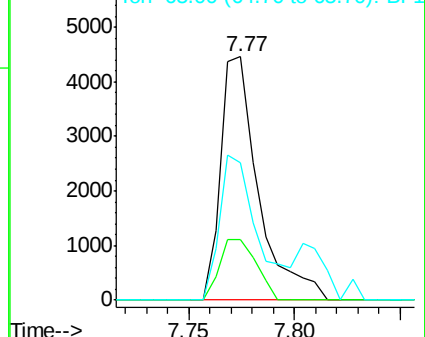
139 100

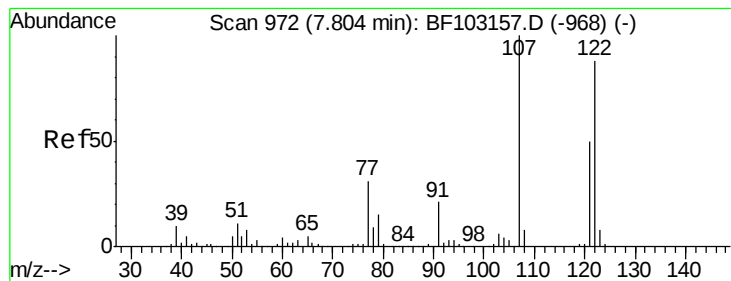
109 25.1 22.7 34.1

65 56.4 40.5 60.7



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



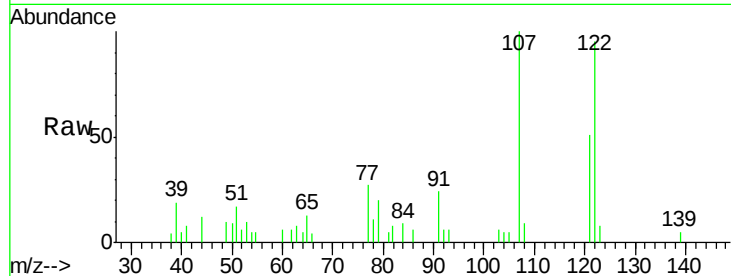


#27
2,4-Dimethylphenol
Concen: 0.928 ng
RT: 7.81 min Scan# 973
Delta R.T. 0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

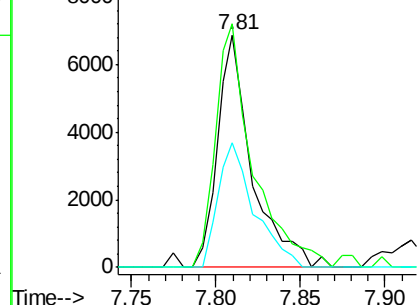
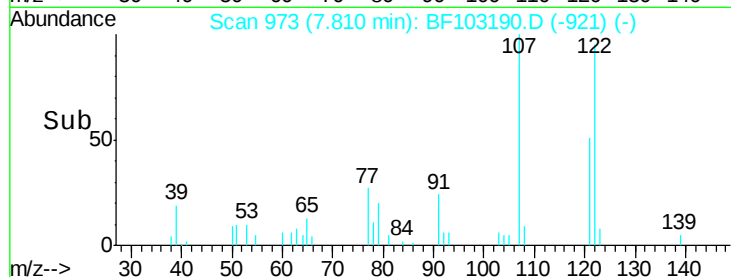
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
122	100		
107	104.8	91.2	136.8
121	53.4	47.2	70.8

Manual Integrations
APPROVED

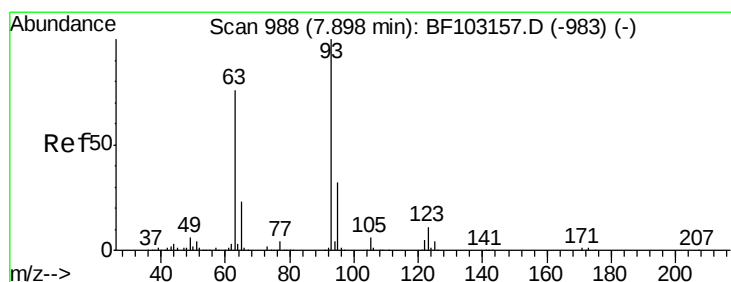


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



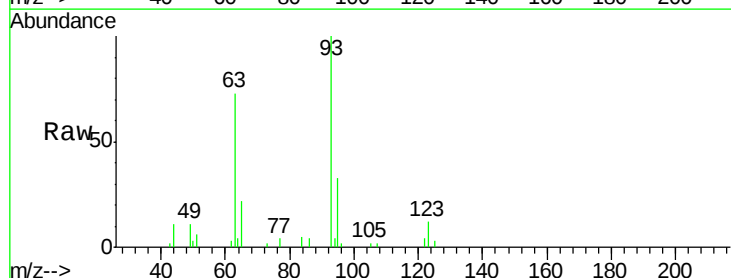
Sohil

2/26/2018
9:54:28 AM

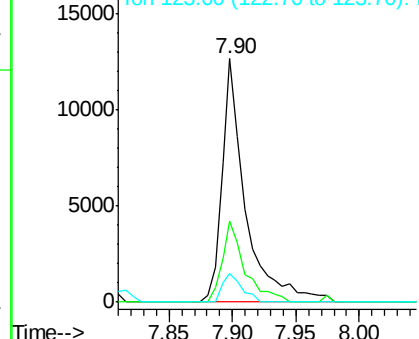
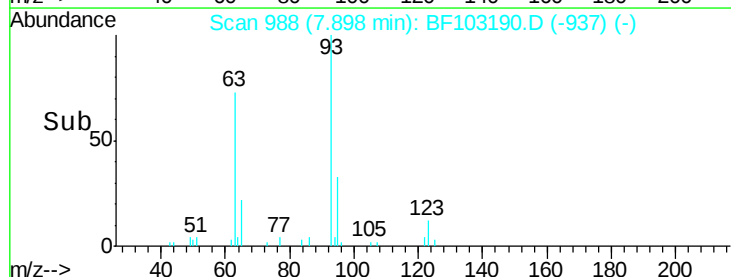


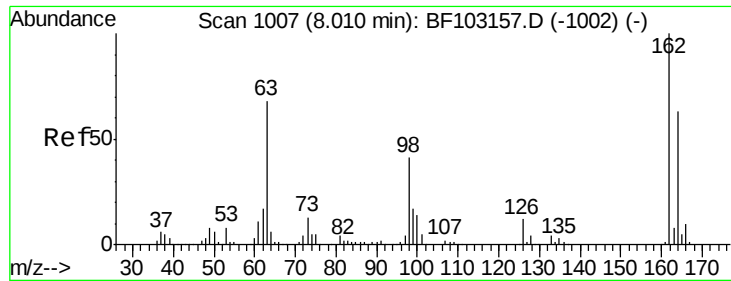
#28
bis(2-Chloroethoxy)methane
Concen: 1.066 ng
RT: 7.90 min Scan# 988
Delta R.T. -0.00 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.3	39.5
123	11.7	9.8	14.6



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E



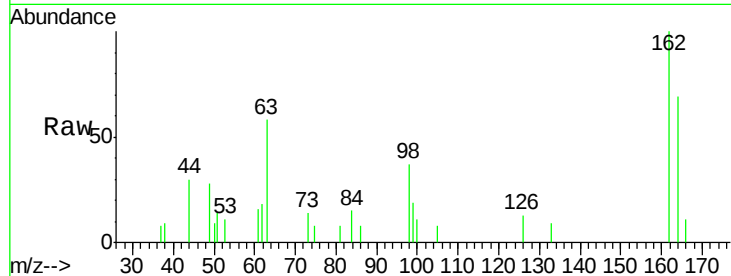


#29
2,4-Dichlorophenol
Concen: 0.928 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.02 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

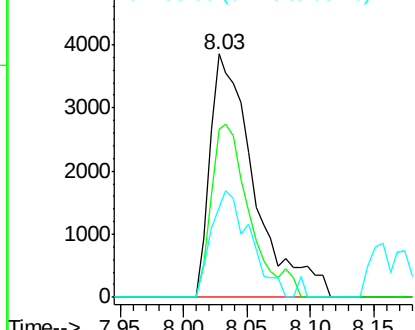
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	9357		
164	69.1	42.7	82.7	
98	37.0	18.1	58.1	

Manual Integrations
APPROVED

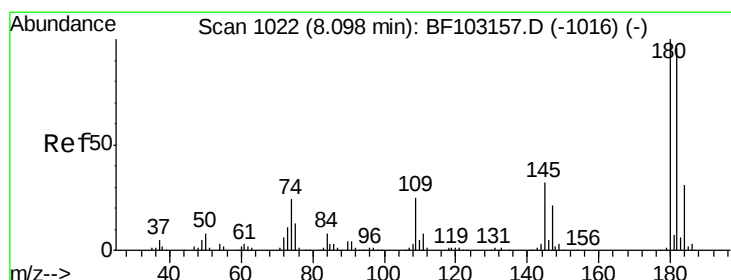
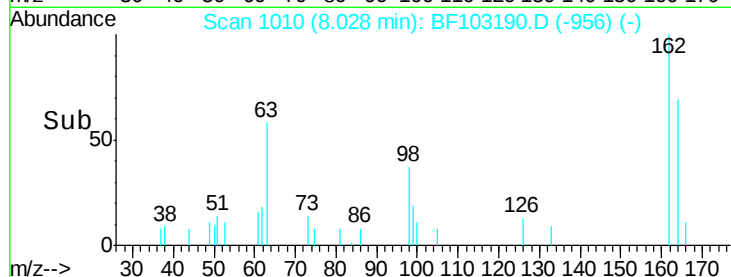


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1



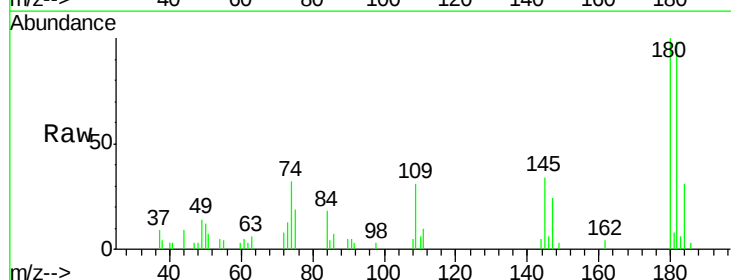
Sohil

2/26/2018
9:54:28 AM

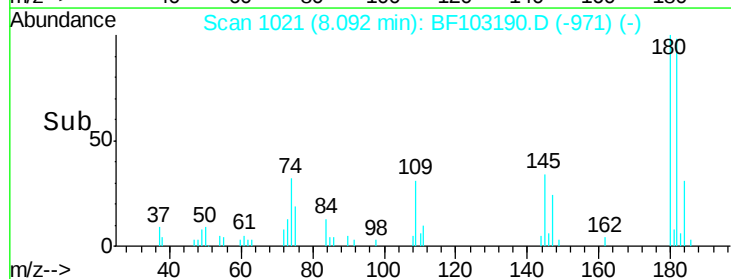
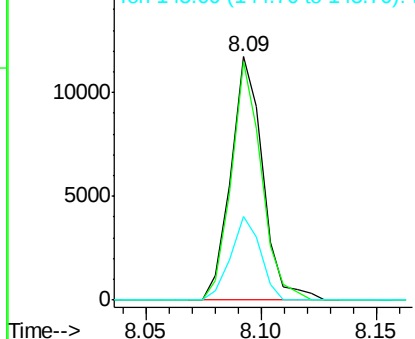


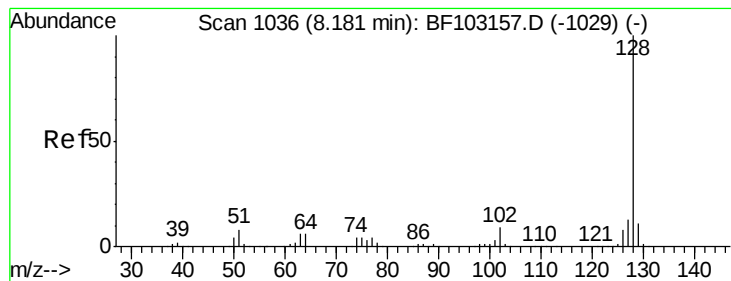
#30
1,2,4-Trichlorobenzene
Concen: 1.054 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	11324		
182	97.9	76.8	115.2	
145	34.2	26.5	39.7	



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E



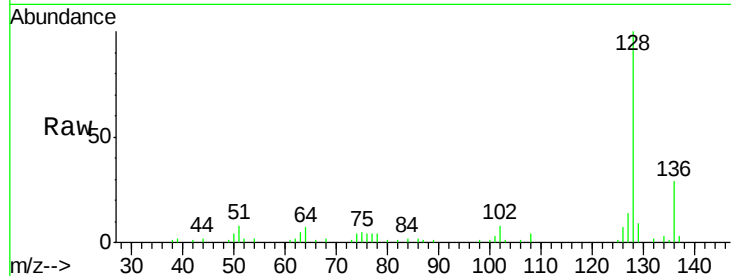


#31
Naphthalene
Concen: 1.156 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

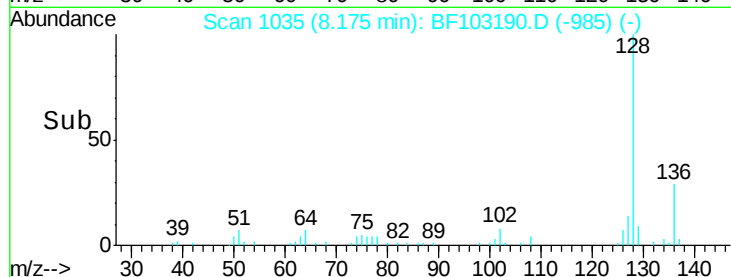
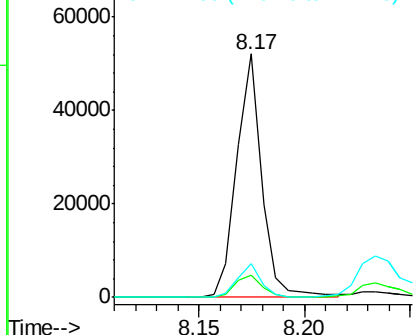
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	42965		
129	8.9		8.8	13.2
127	14.1		10.9	16.3

Manual Integrations
APPROVED

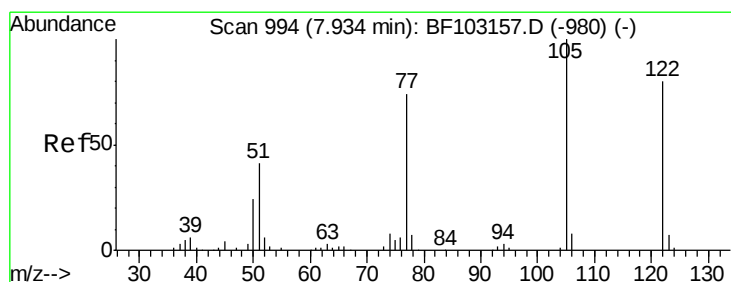


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



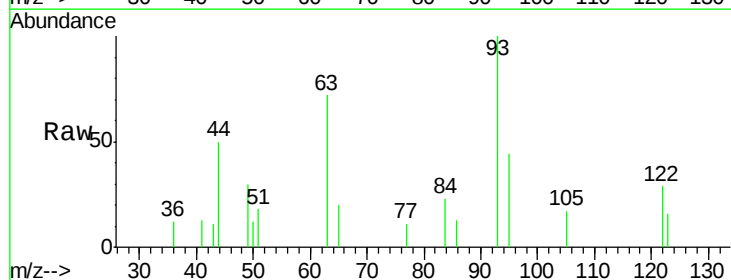
Sohil

2/26/2018
9:54:28 AM

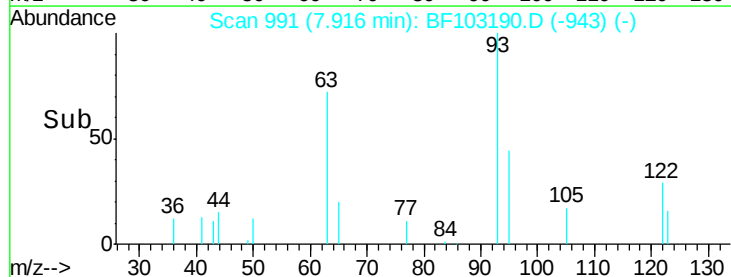
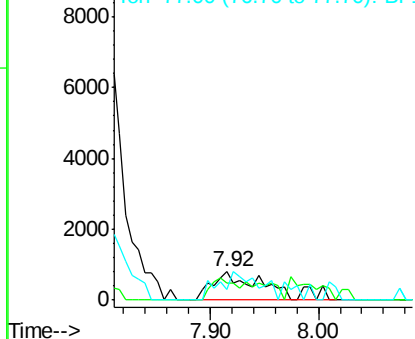


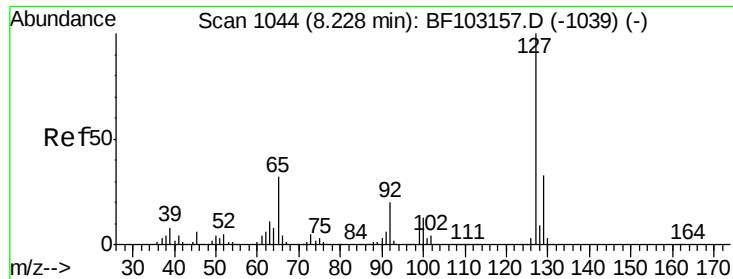
#32
Benzoic acid
Concen: 7.218 ng m
RT: 7.92 min Scan# 991
Delta R.T. -0.02 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	2774		
105	58.5		101.1	141.1#
77	38.9		70.7	110.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1



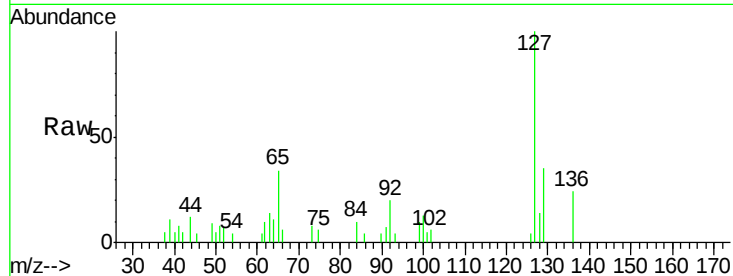


#33
4-Chloroaniline
Concen: 0.931 ng
RT: 8.23 min Scan# 1045
Delta R.T. 0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

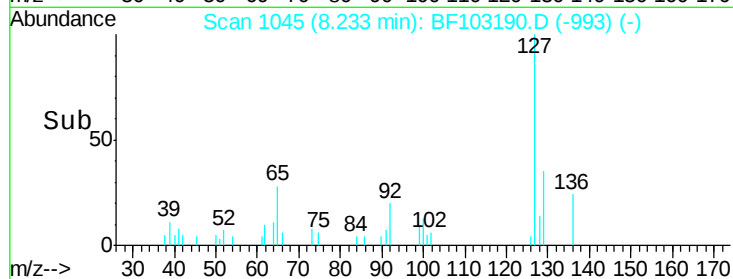
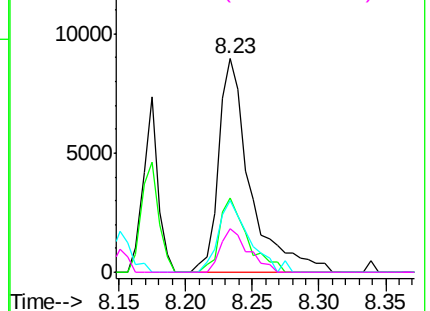
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
127	100		
129	34.8	25.9	38.9
65	33.5	25.0	37.4
92	20.5	15.2	22.8

Manual Integrations
APPROVED

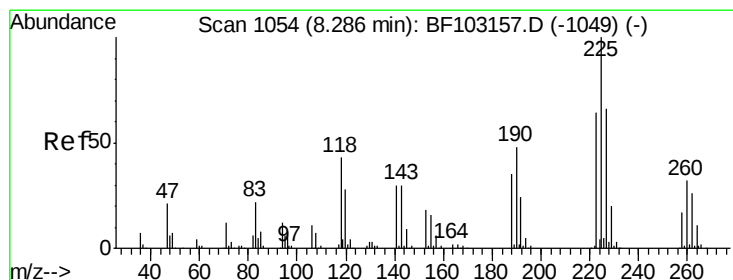


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1



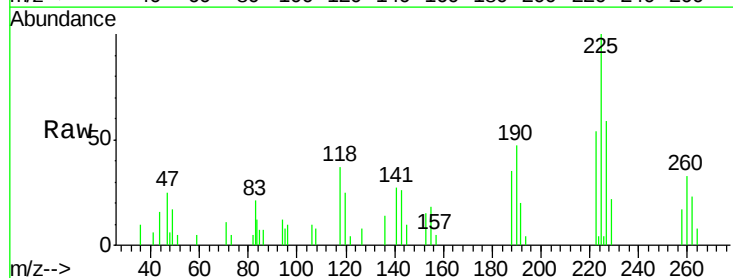
Sohil

2/26/2018
9:54:28 AM

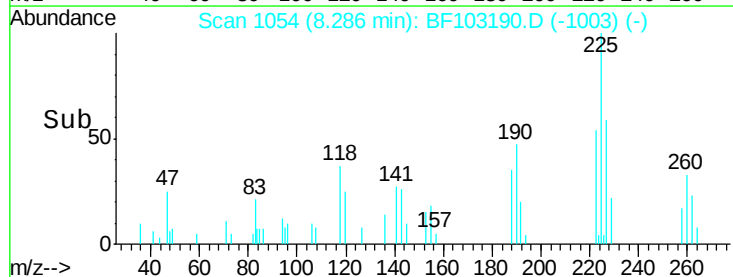
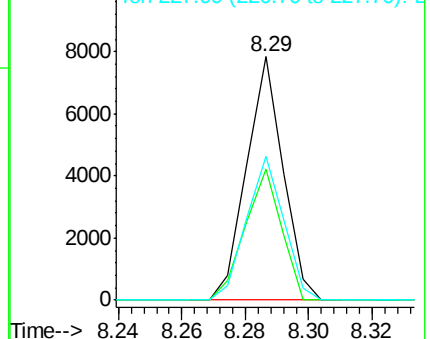


#34
Hexachlorobutadiene
Concen: 1.121 ng
RT: 8.29 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	55.8	50.6	76.0
227	57.1	51.9	77.9



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



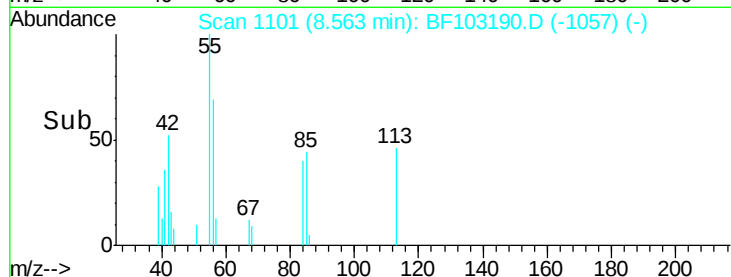
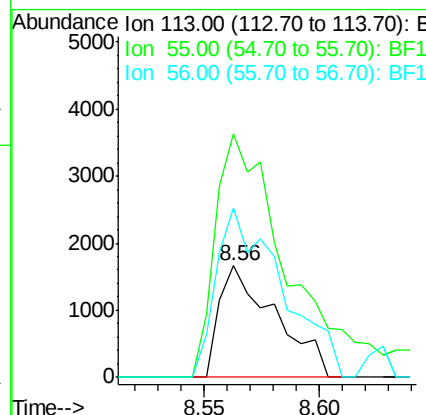
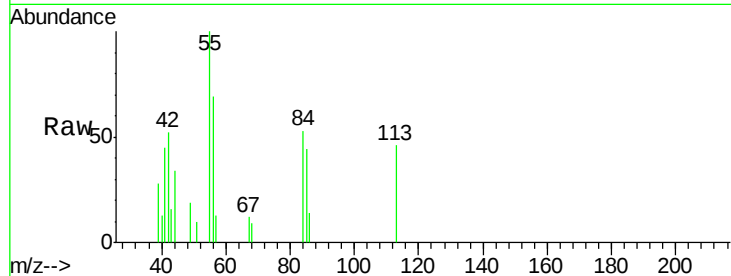


#35
 Caprolactam
 Concen: 0.785 ng
 RT: 8.56 min Scan# 1101
 Delta R.T. -0.04 min
 Lab File: BF103190.D
 Acq: 23 Feb 2018 11:06

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

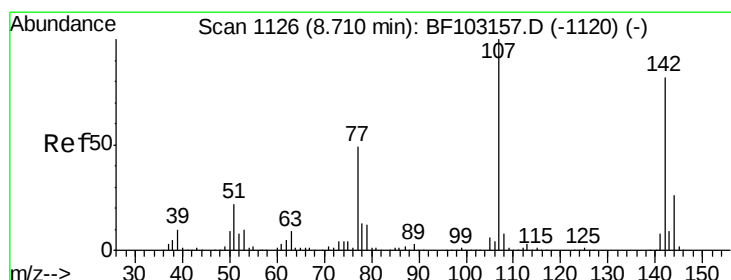
Tgt Ion:113 Resp: 2782
 Ion Ratio Lower Upper
 113 100
 55 218.3 163.3 203.3#
 56 151.5 115.7 155.7

Manual Integrations
 APPROVED



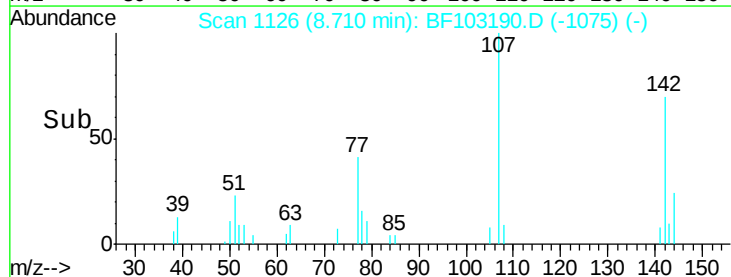
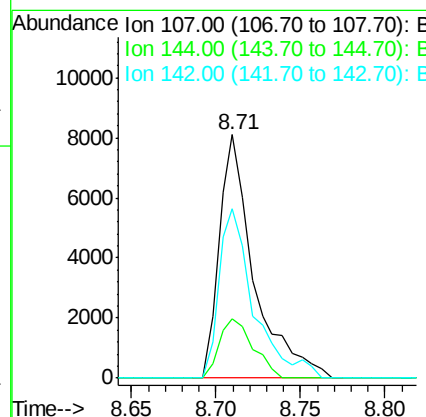
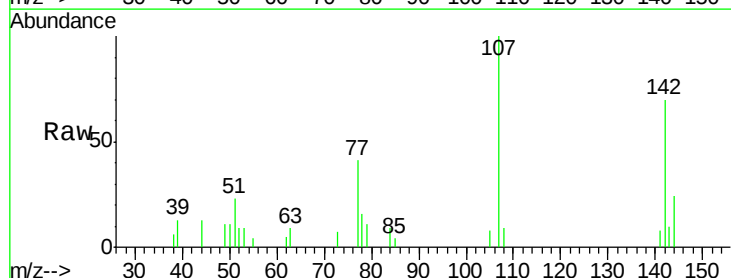
Sohil

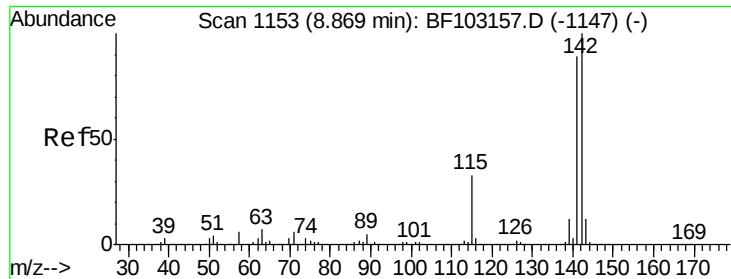
2/26/2018
 9:54:28 AM



#36
 4-Chloro-3-methylphenol
 Concen: 1.021 ng
 RT: 8.71 min Scan# 1126
 Delta R.T. -0.00 min
 Lab File: BF103190.D
 Acq: 23 Feb 2018 11:06

Tgt Ion:107 Resp: 11613
 Ion Ratio Lower Upper
 107 100
 144 24.3 20.5 30.7
 142 69.6 62.0 93.0



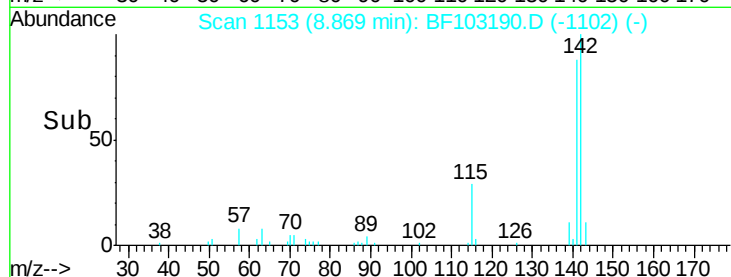
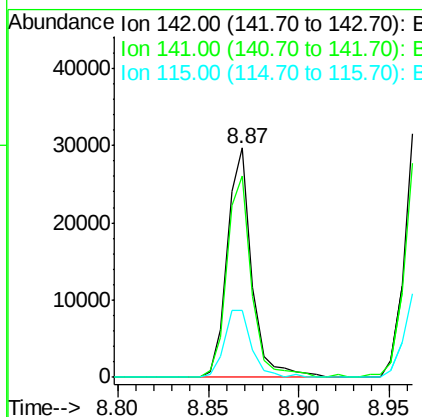
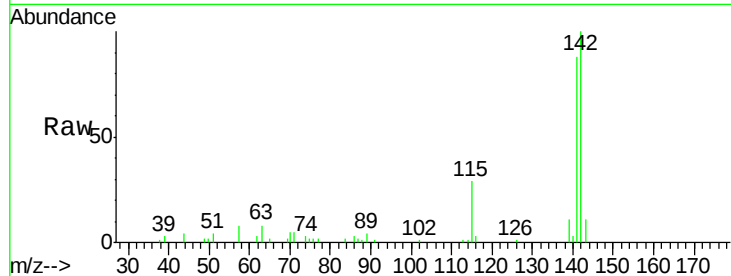


#37
2-Methylnaphthalene
Concen: 1.163 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

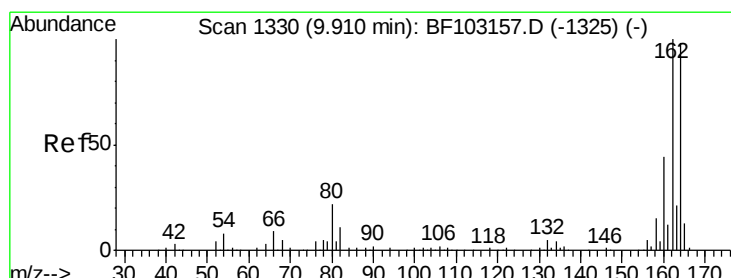
Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.8	106.2
115	29.2	26.1	39.1

Manual Integrations
APPROVED



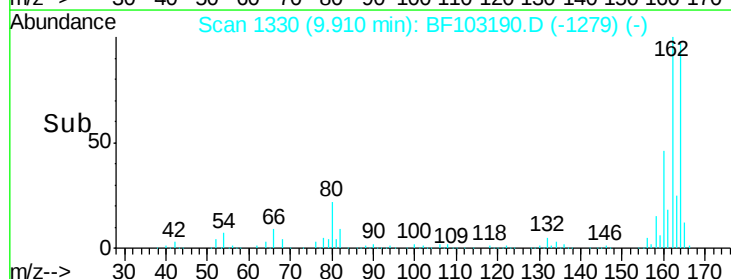
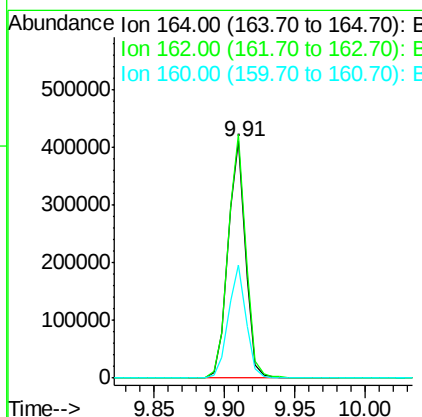
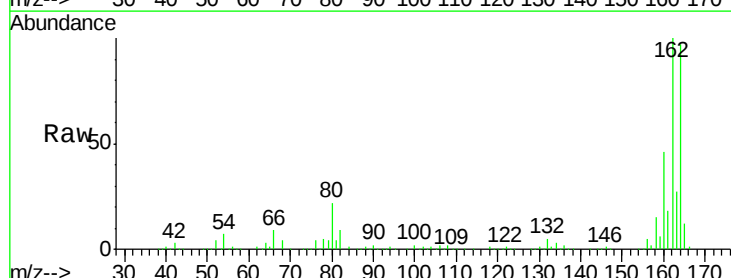
Sohil

2/26/2018
9:54:28 AM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	86.1	129.1
160	47.8	38.3	57.5



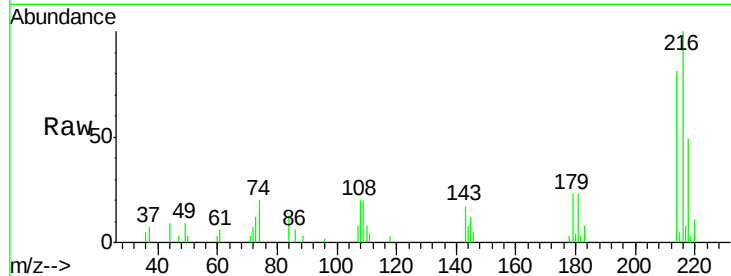


#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.103 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: BF103190.D
 Acq: 23 Feb 2018 11:06

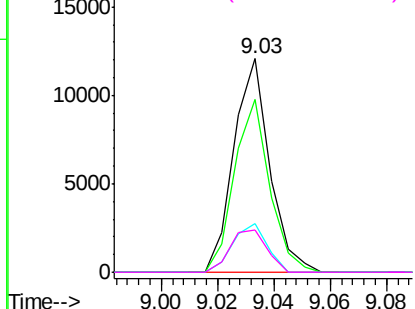
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion:	216	Resp:	10664
Ion Ratio	Lower	Upper	
216	100		
214	79.5	63.0	94.4
179	21.8	18.1	27.1
108	20.4	17.2	25.8

Manual Integrations
 APPROVED

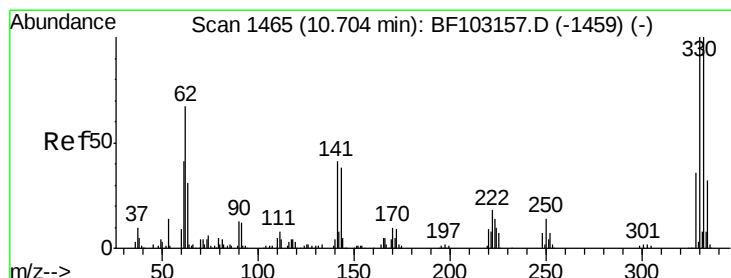
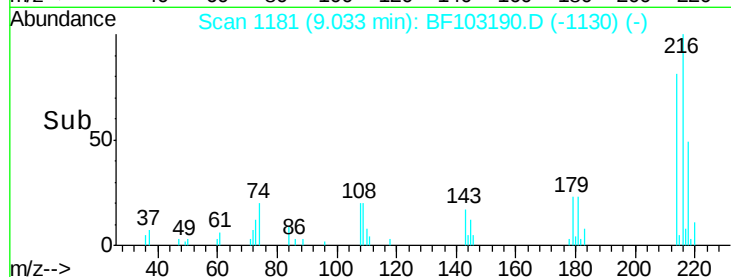


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E



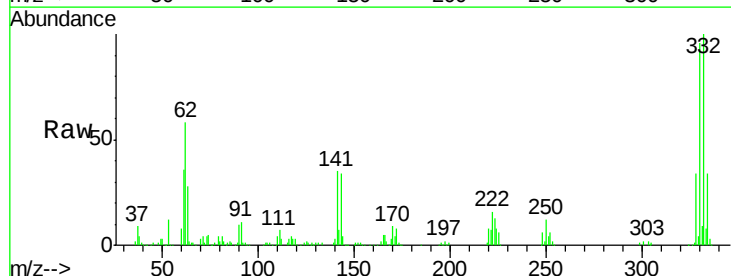
Sohil

2/26/2018
 9:54:28 AM

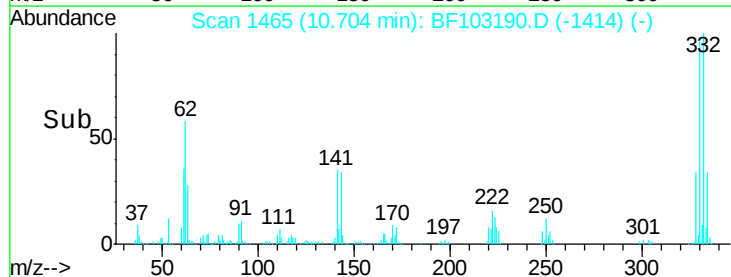
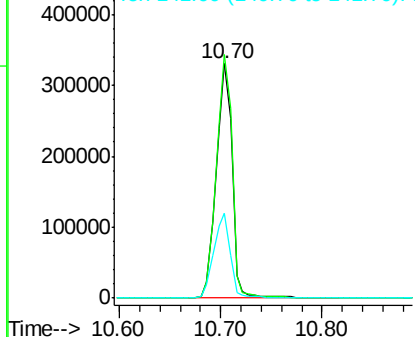


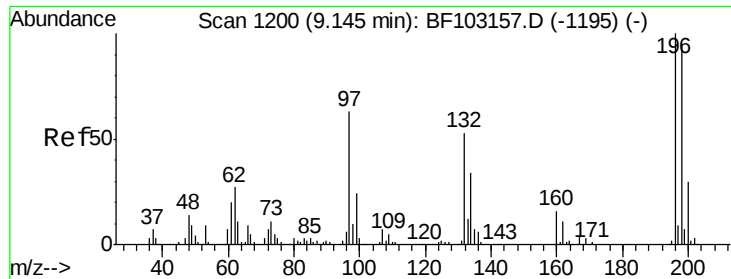
#41
 2,4,6-Tribromophenol
 Concen: 120.612 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: BF103190.D
 Acq: 23 Feb 2018 11:06

Tgt Ion:	330	Resp:	361094
Ion Ratio	Lower	Upper	
330	100		
332	104.0	77.0	115.6
141	37.6	29.9	44.9



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



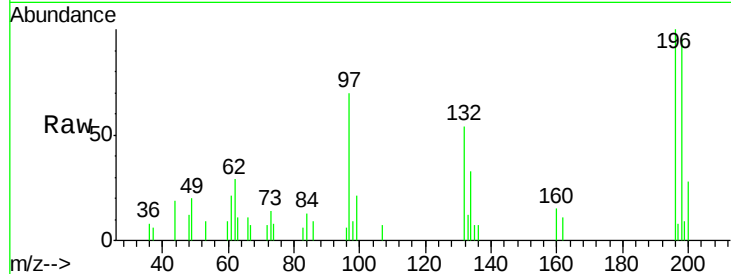


#42
 2,4,6-Trichlorophenol
 Concen: 0.923 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: BF103190.D
 Acq: 23 Feb 2018 11:06

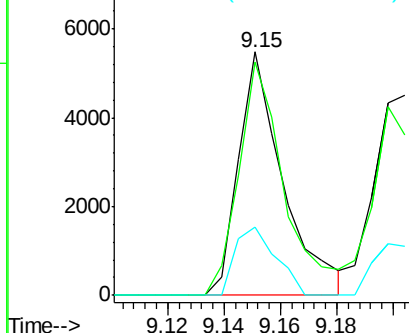
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.0	75.7	113.5
200	27.8	24.5	36.7

Manual Integrations
 APPROVED

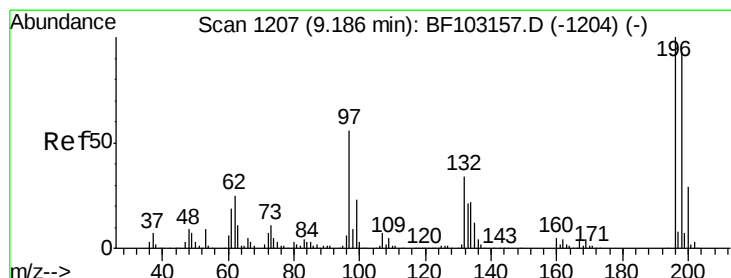
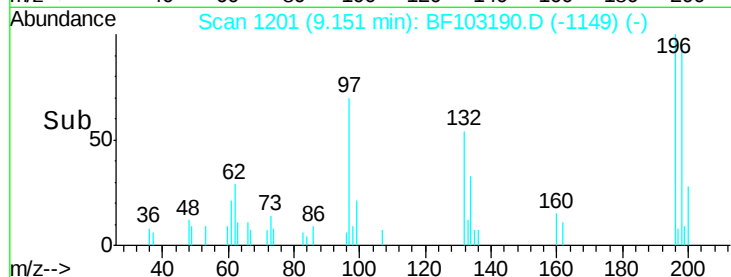


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E



Sohil

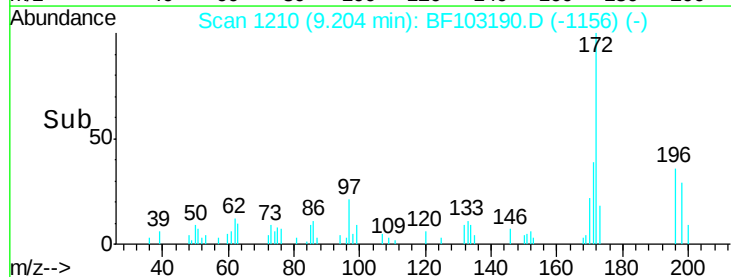
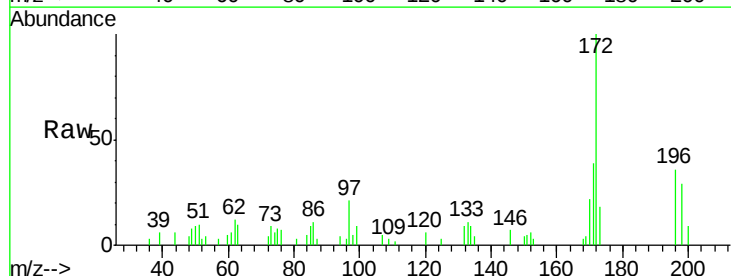
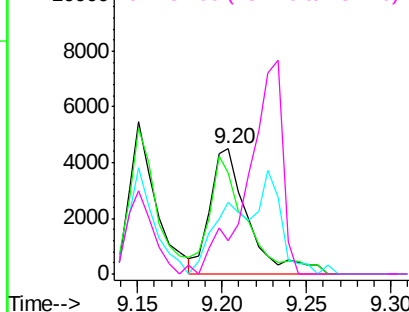
2/26/2018
 9:54:28 AM

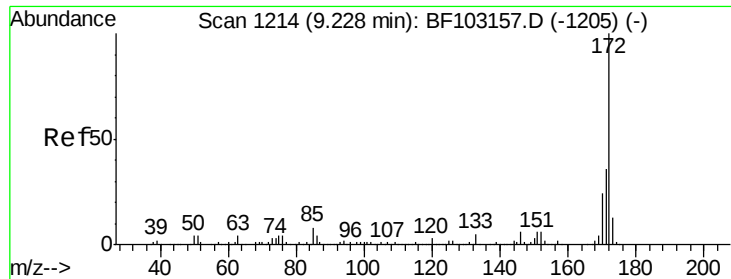


#43
 2,4,5-Trichlorophenol
 Concen: 0.947 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. 0.02 min
 Lab File: BF103190.D
 Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Lower	Upper
196	100		
198	80.7	74.6	112.0
97	57.7	42.9	64.3
132	26.3	26.3	39.5#

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E



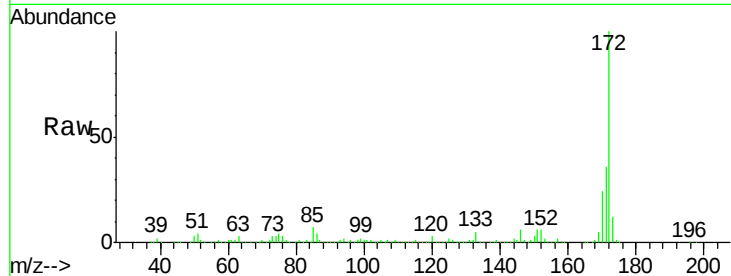


#44
2-Fluorobiphenyl
Concen: 85.414 ng
RT: 9.23 min Scan# 1215
Delta R.T. 0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

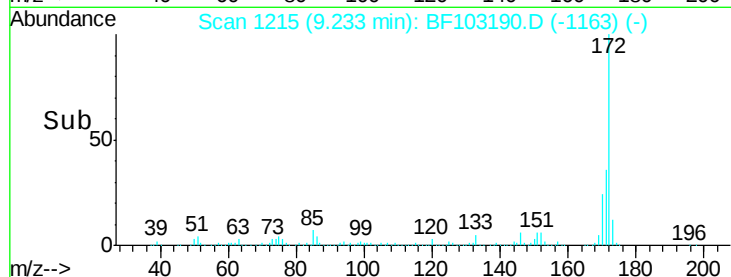
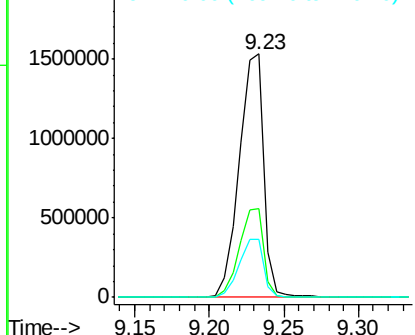
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion:172 Resp: 1751985
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 24.0 19.6 29.4

Manual Integrations
APPROVED

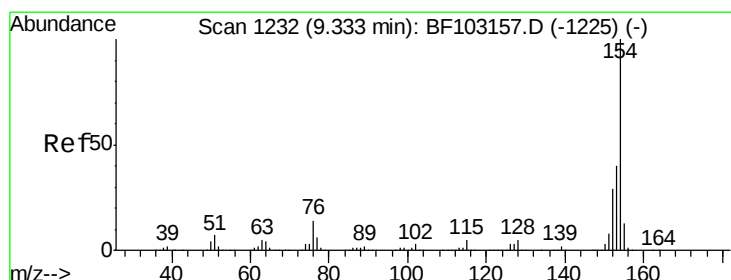


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



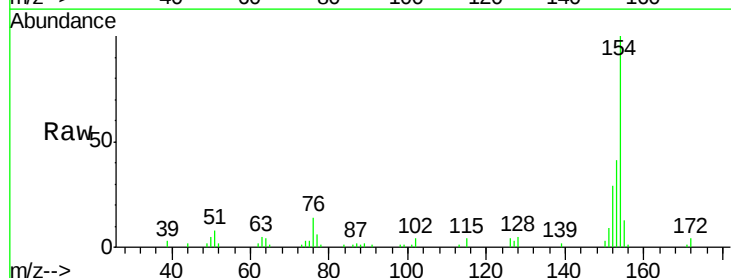
Sohil

2/26/2018
9:54:28 AM

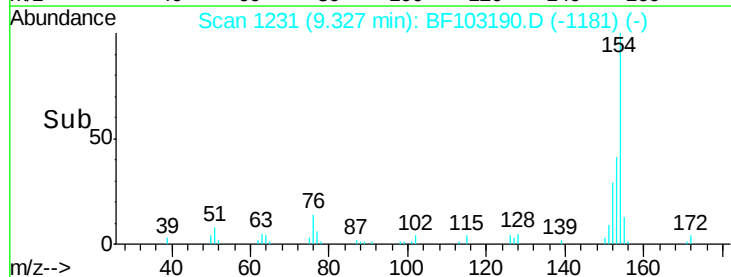
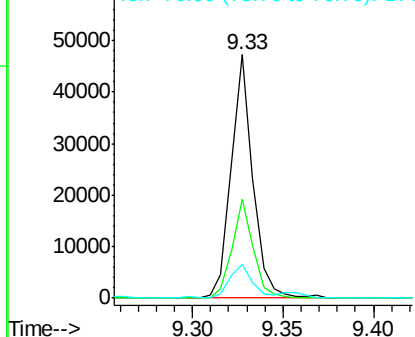


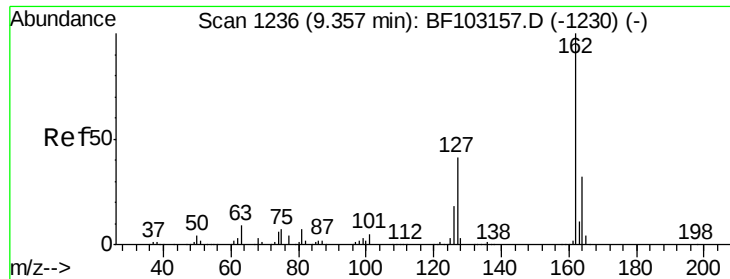
#45
1,1'-Biphenyl
Concen: 1.338 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Tgt Ion:154 Resp: 39663
Ion Ratio Lower Upper
154 100
153 40.5 21.3 61.3
76 14.1 0.0 34.0



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): BF1



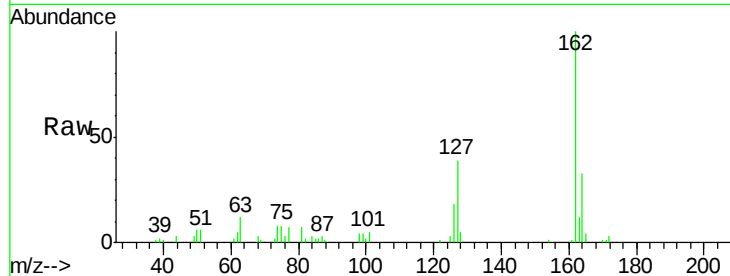


#46
2-Chloronaphthalene
Concen: 1.122 ng
RT: 9.36 min Scan# 1236
Delta R.T. -0.00 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

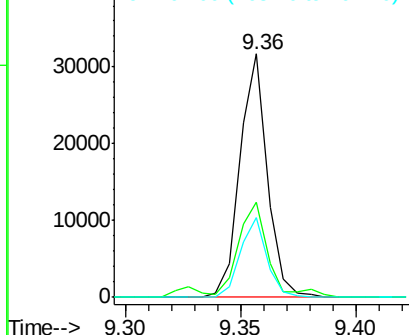
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	26312		
127	39.2	33.9	50.9	
164	32.5	26.5	39.7	

Manual Integrations
APPROVED

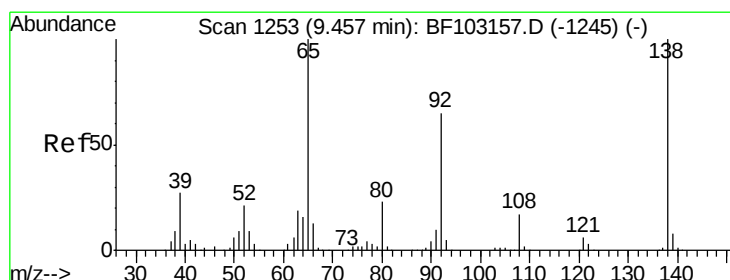
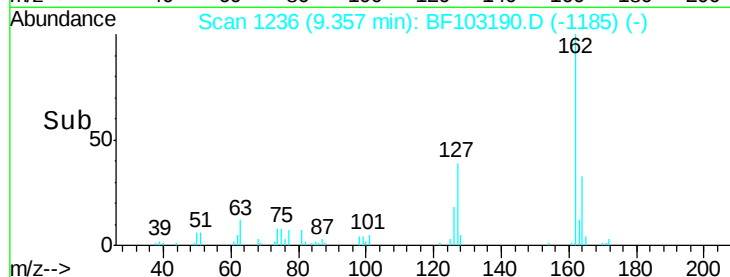


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E



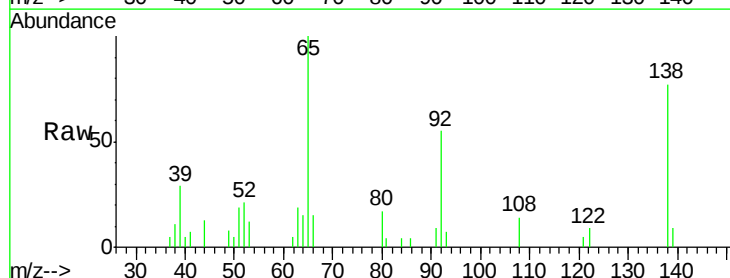
Sohil

2/26/2018
9:54:28 AM

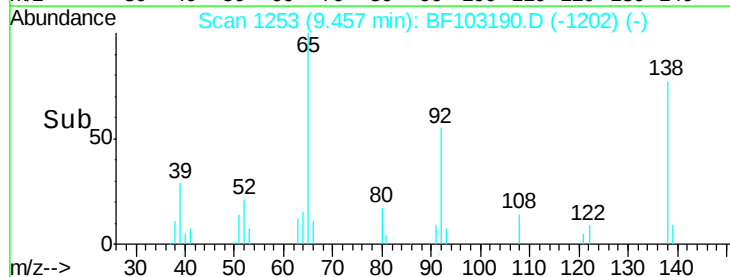
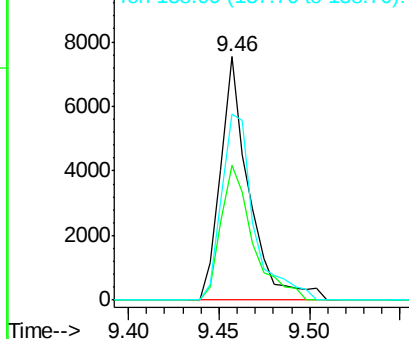


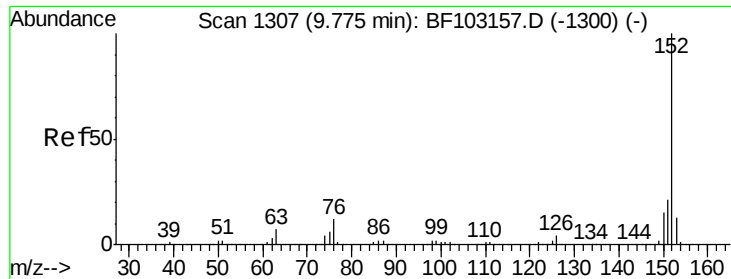
#47
2-Nitroaniline
Concen: 0.948 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.00 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	8235		
92	55.2	55.8	83.6#	
138	76.6	91.2	136.8#	



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 1.135 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF103190.D

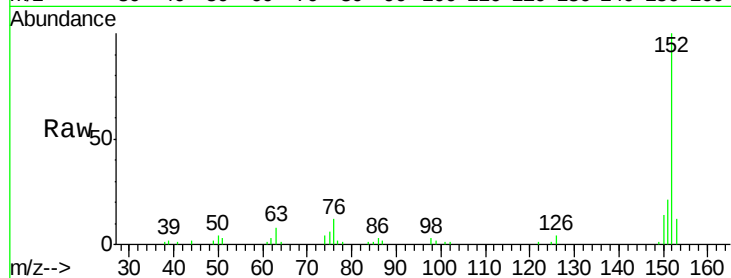
Acq: 23 Feb 2018 11:06

Instrument :

BNA_F

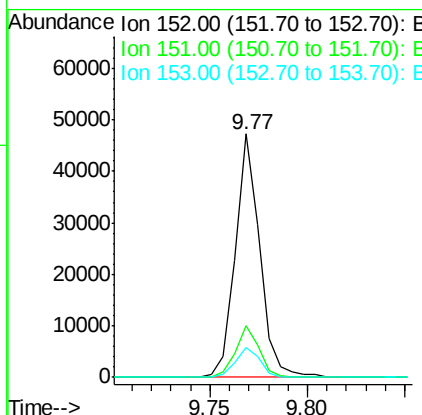
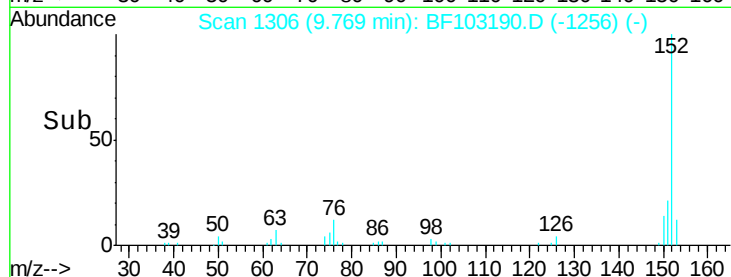
ClientSampleId :

MDL-SOIL-03-QT1-2018



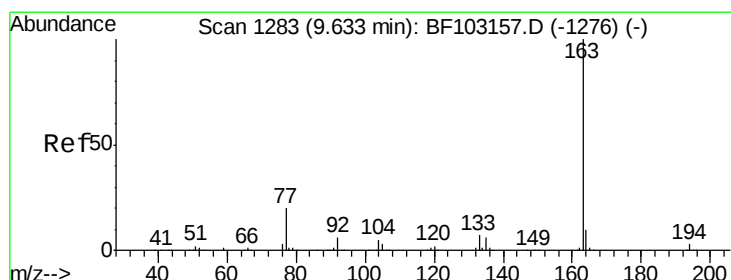
Tgt Ion:	152	Resp:	40946
Ion Ratio	Lower	Upper	
152	100		
151	20.9	16.3	24.5
153	12.3	10.7	16.1

Manual Integrations
APPROVED



Sohil

2/26/2018
9:54:28 AM



#49

Dimethylphthalate

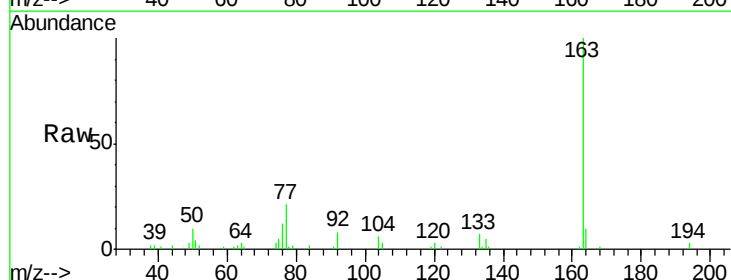
Concen: 1.115 ng

RT: 9.62 min Scan# 1281

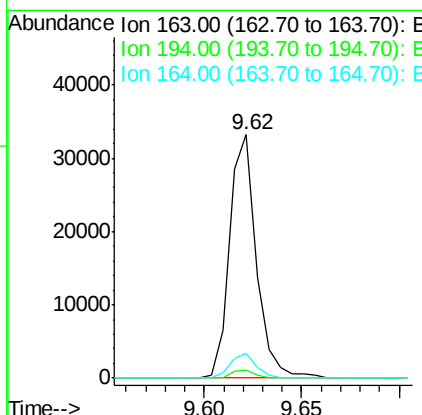
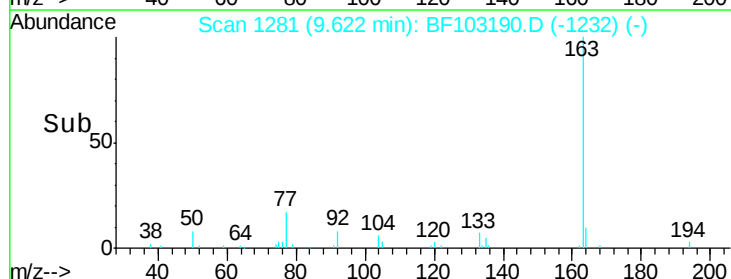
Delta R.T. -0.01 min

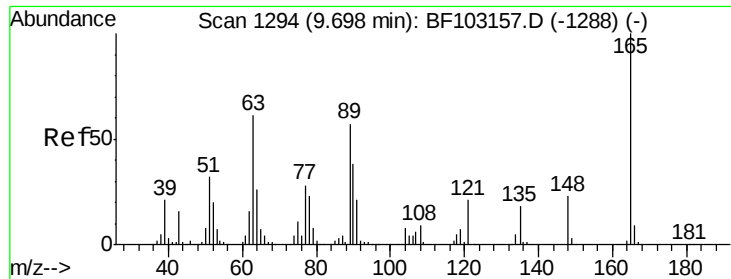
Lab File: BF103190.D

Acq: 23 Feb 2018 11:06



Tgt Ion:	163	Resp:	31629
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.7	4.1
164	10.0	8.2	12.2



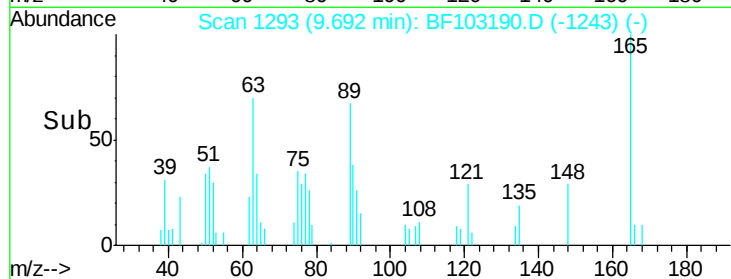
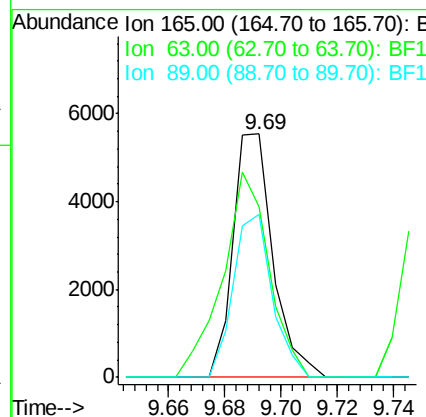
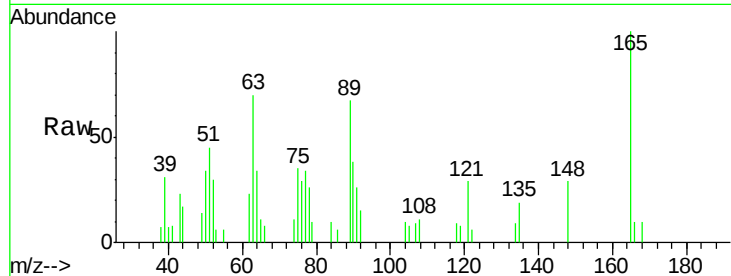


#50
2,6-Dinitrotoluene
Concen: 0.917 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

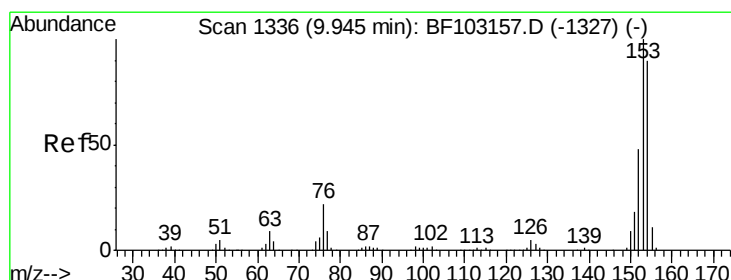
Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	69.8	44.7	67.1#
89	66.8	44.0	66.0#

Manual Integrations
APPROVED



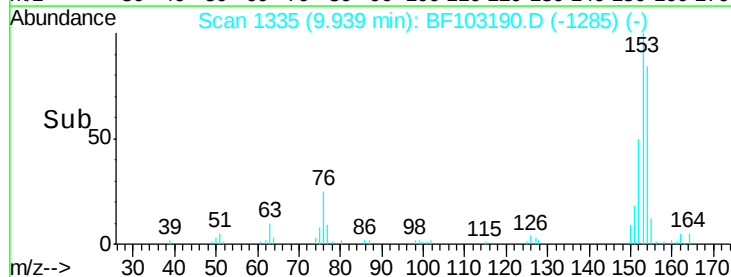
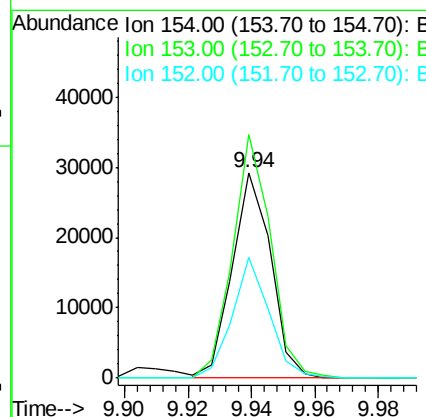
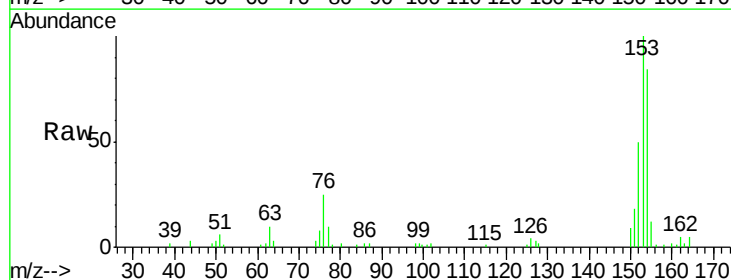
Sohil

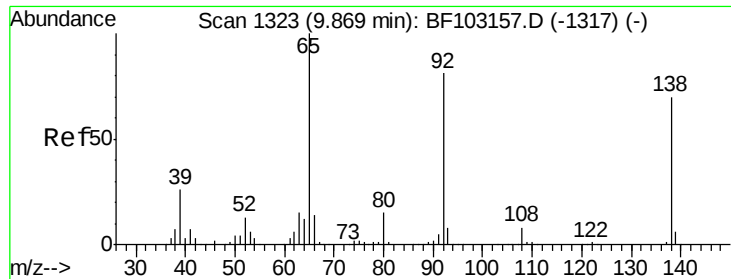
2/26/2018
9:54:28 AM



#51
Acenaphthene
Concen: 1.165 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	118.6	91.2	136.8
152	59.0	43.8	65.8



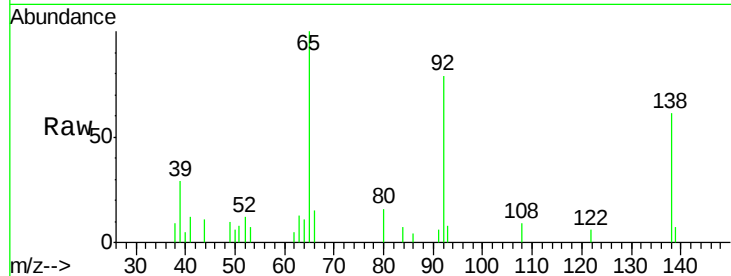


#52
3-Nitroaniline
Concen: 0.852 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

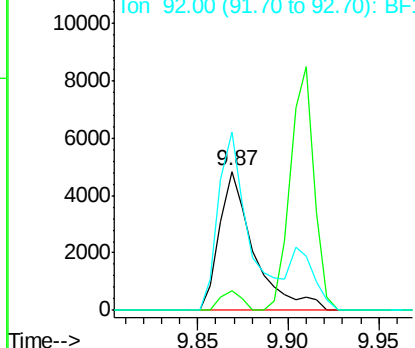
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion:138 Resp: 6434
Ion Ratio Lower Upper
138 100
108 14.5 9.4 14.0#
92 128.0 89.4 134.2

Manual Integrations
APPROVED

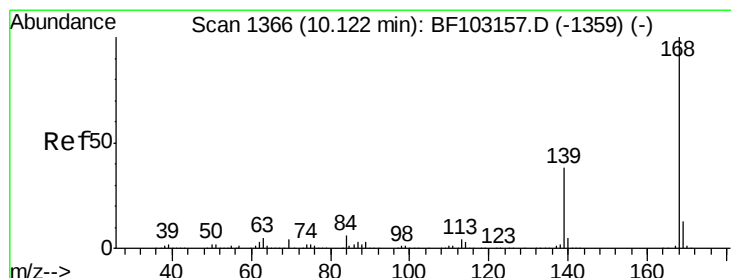
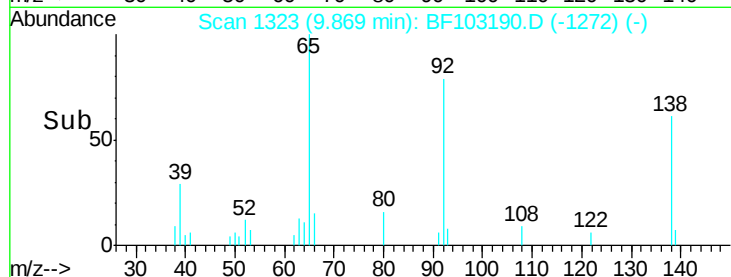


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1



Sohil

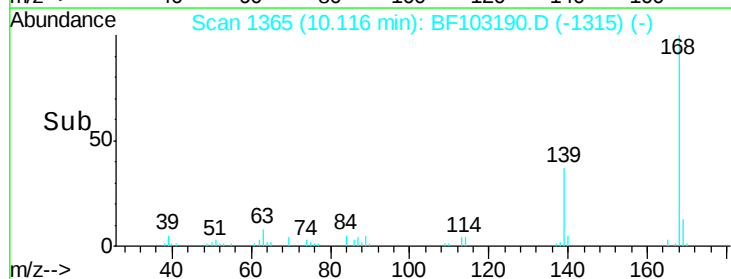
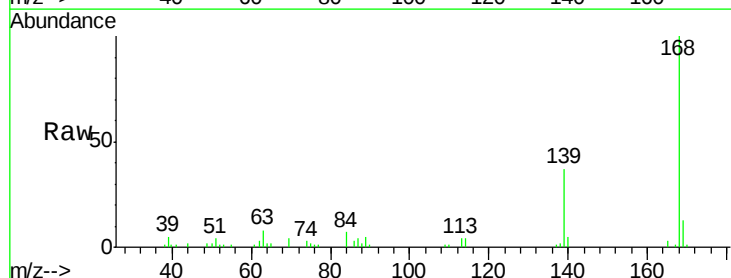
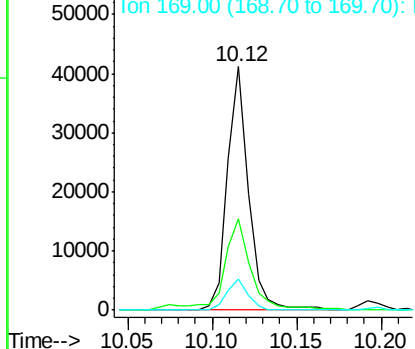
2/26/2018
9:54:28 AM

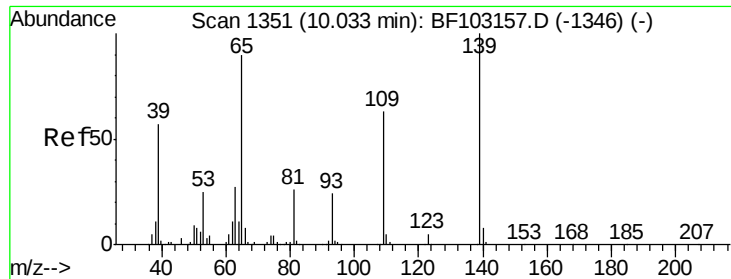


#54
Dibenzofuran
Concen: 1.240 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Tgt Ion:168 Resp: 35807
Ion Ratio Lower Upper
168 100
139 37.4 30.1 45.1
169 12.6 10.9 16.3

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



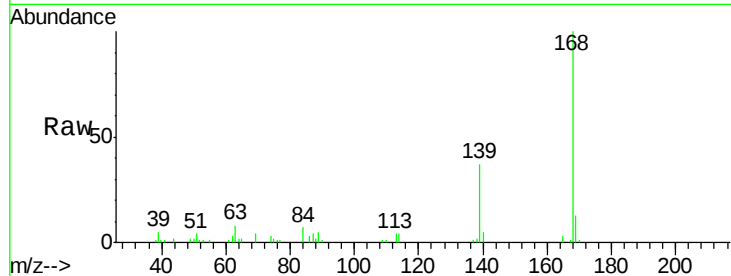


#55
4-Nitrophenol
Concen: 3.703 ng m
RT: 10.12 min Scan# 1365
Delta R.T. 0.08 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	17340		
109	3.3	48.4	88.4#	
65	5.3	72.6	112.6#	

Manual Integrations
APPROVED

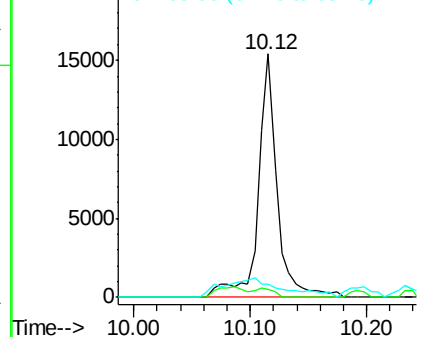


Abundance

Ion 139.00 (138.70 to 139.70): E

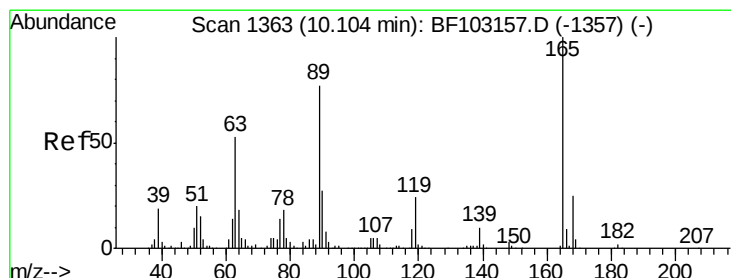
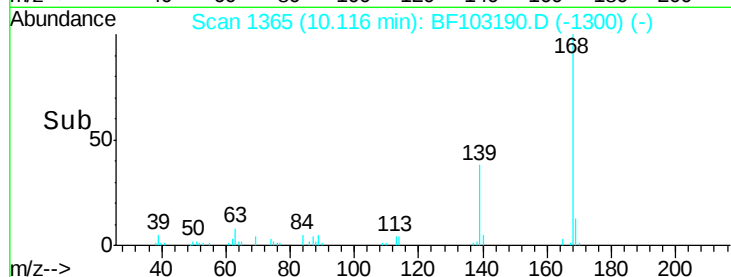
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



Sohil

2/26/2018
9:54:28 AM



#56
2,4-Dinitrotoluene
Concen: 0.871 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	6558		
63	64.2	36.4	54.6#	
89	79.5	57.8	86.6	
182	0.0	1.6	2.4#	

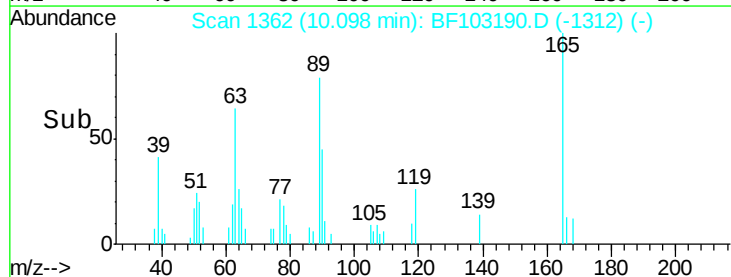
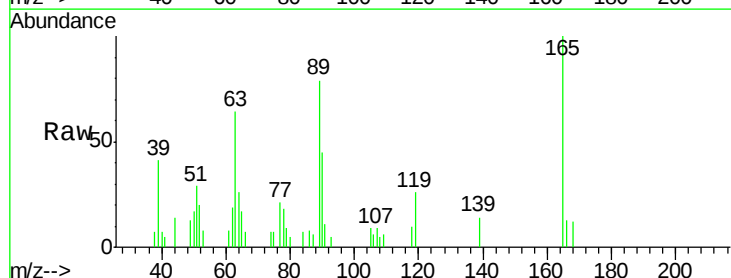
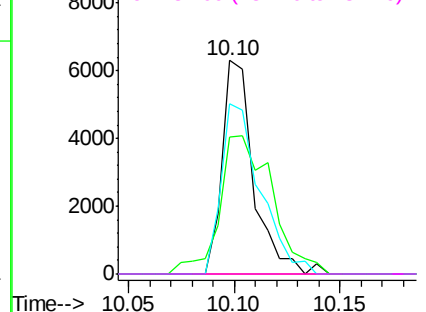
Abundance

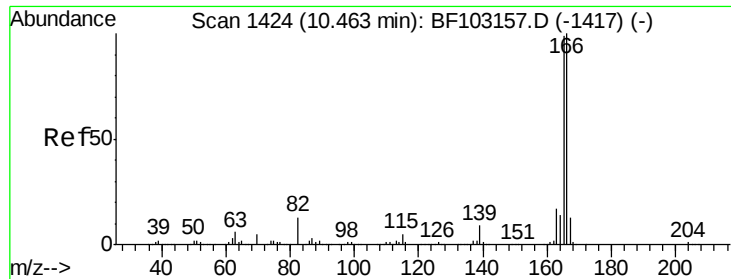
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



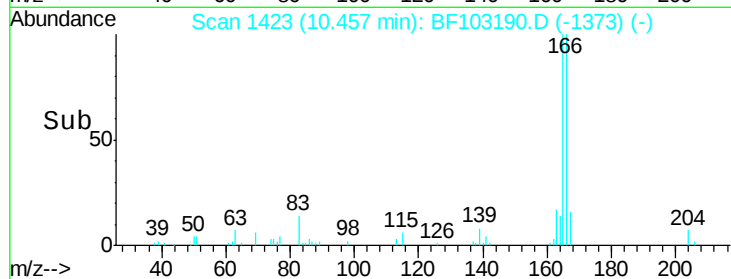
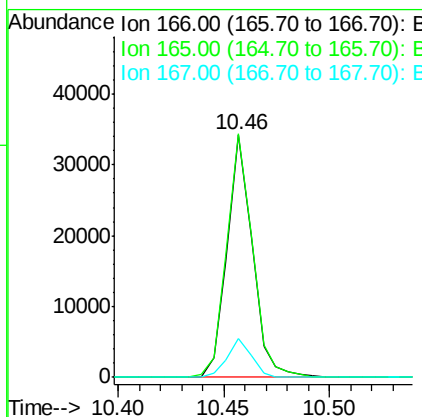
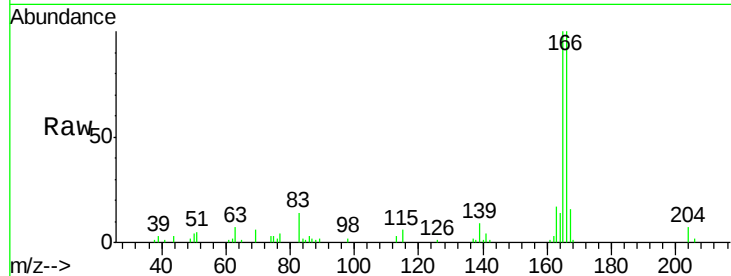


#57
Fluorene
Concen: 1.157 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

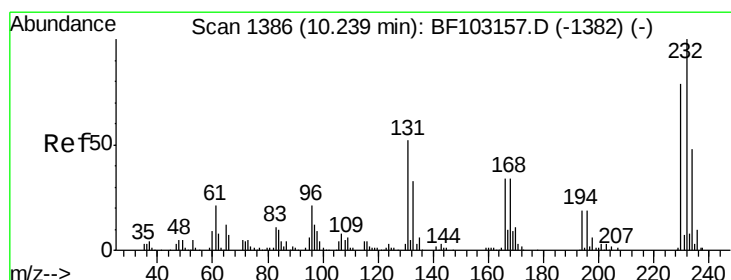
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	28461		
165	100.3	79.8	119.8	
167	16.1	10.6	16.0	

Manual Integrations
APPROVED



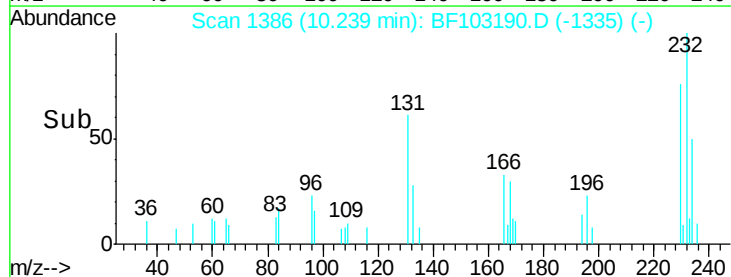
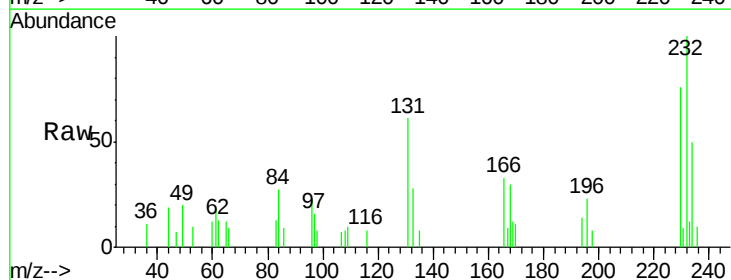
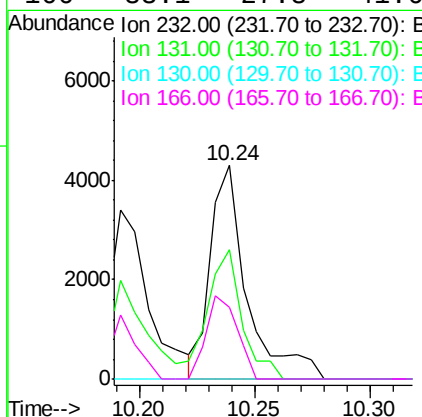
Sohil

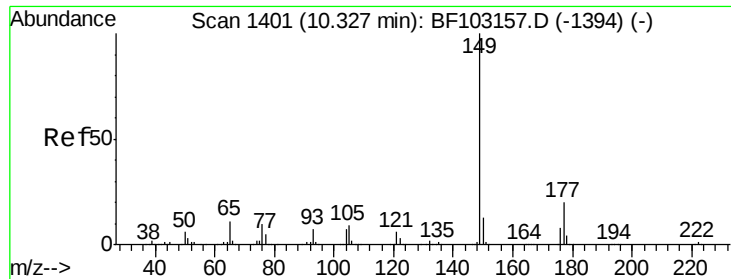
2/26/2018
9:54:28 AM



#58
2,3,4,6-Tetrachlorophenol
Concen: 0.938 ng
RT: 10.24 min Scan# 1386
Delta R.T. -0.00 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	4716		
131	57.9	43.8	65.8	
130	0.0	2.1	3.1	
166	33.1	27.8	41.6	



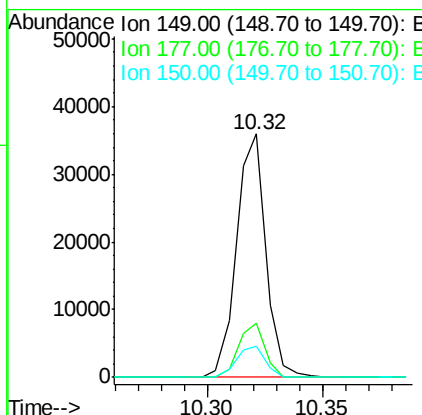
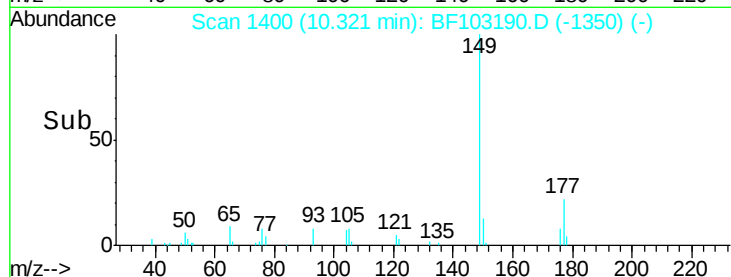
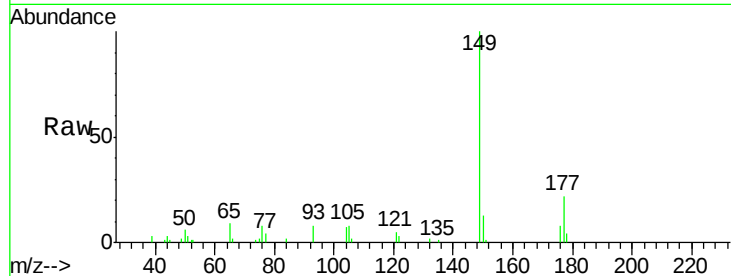


#59
Diethylphthalate
Concen: 1.169 ng
RT: 10.32 min Scan# 1400
Delta R.T. -0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

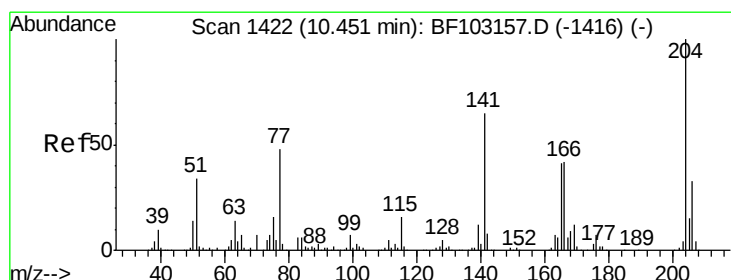
Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.0	16.1	24.1
150	12.6	10.1	15.1

Manual Integrations
APPROVED



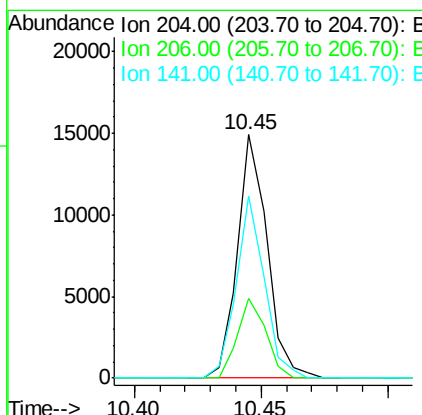
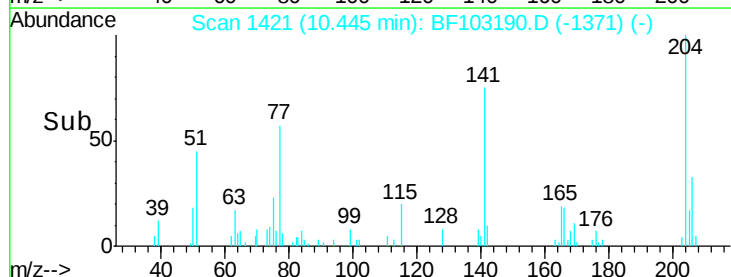
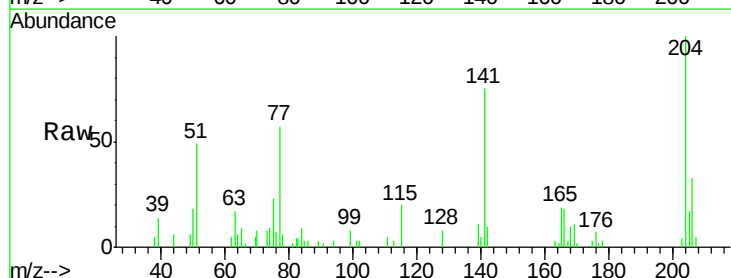
Sohil

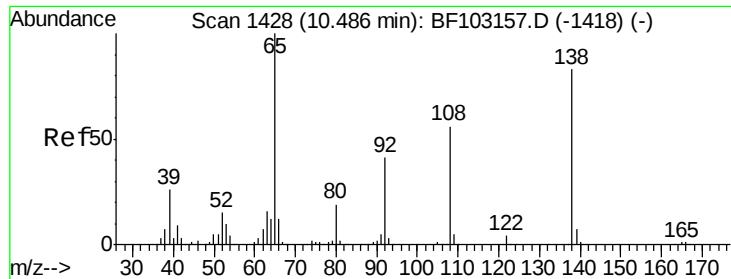
2/26/2018
9:54:28 AM



#60
4-Chlorophenyl-phenylether
Concen: 1.164 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.5	39.7
141	74.8	54.6	81.8



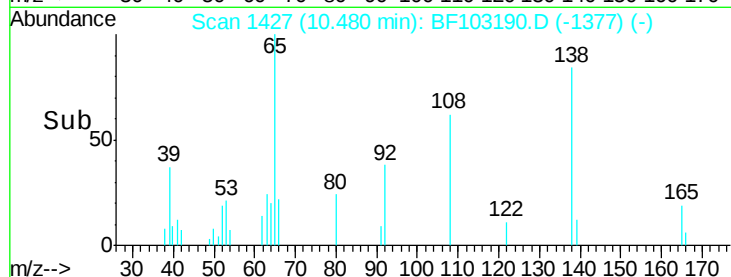
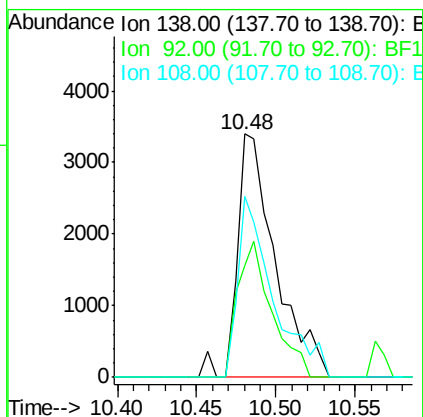
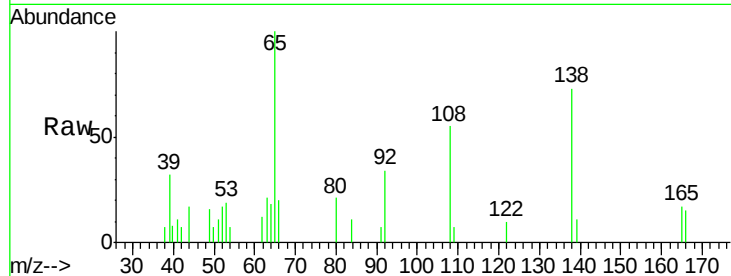


#61
4-Nitroaniline
Concen: 0.754 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

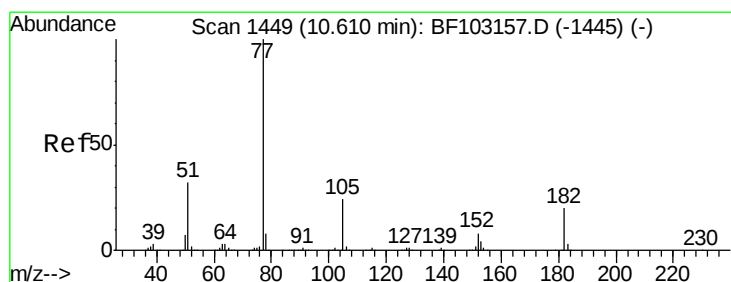
Tgt Ion	Ratio	Lower	Upper
138	100		
92	45.7	30.2	70.2
108	74.4	52.5	92.5

Manual Integrations
APPROVED



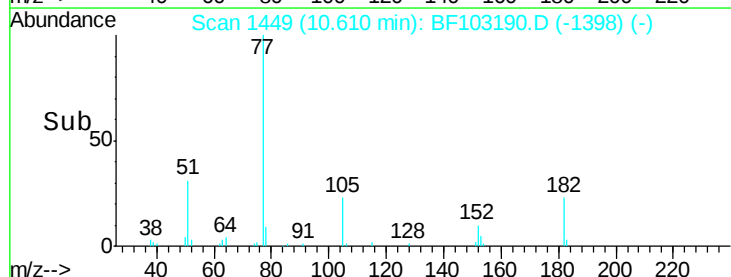
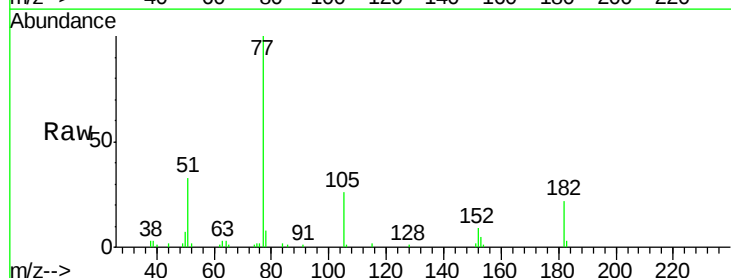
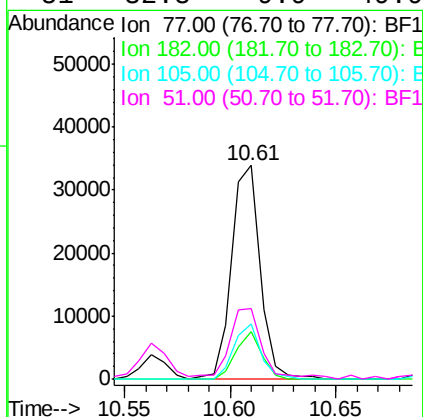
Sohil

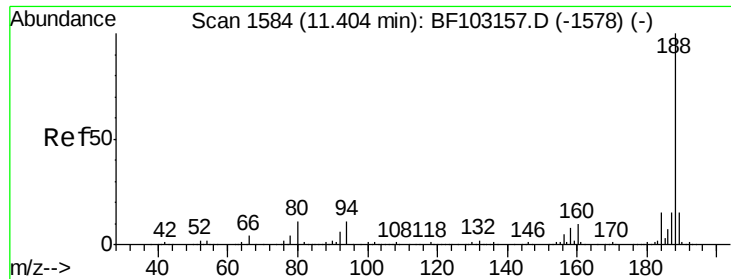
2/26/2018
9:54:28 AM



#62
Azobenzene
Concen: 1.142 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Lower	Upper
77	100		
182	22.3	1.7	41.7
105	25.7	3.0	43.0
51	32.8	9.9	49.9



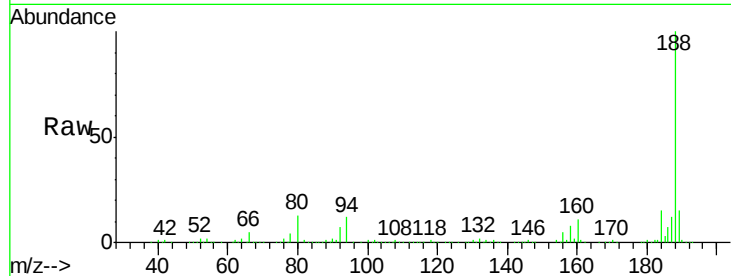


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	627738		
94	11.9		8.5	12.7
80	12.8		9.2	13.8

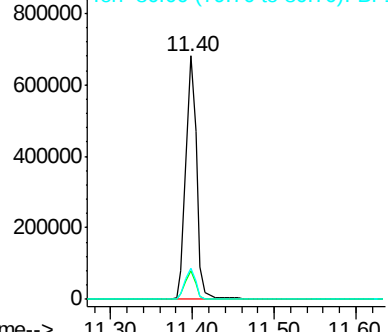
Manual Integrations
APPROVED



Abundance Ion 188.00 (187.70 to 188.70): E

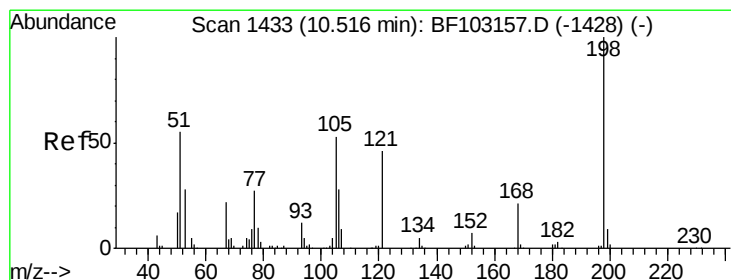
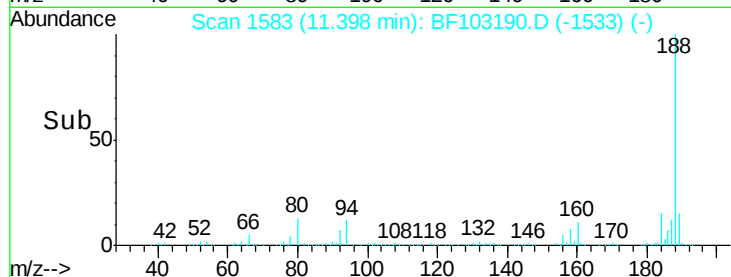
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



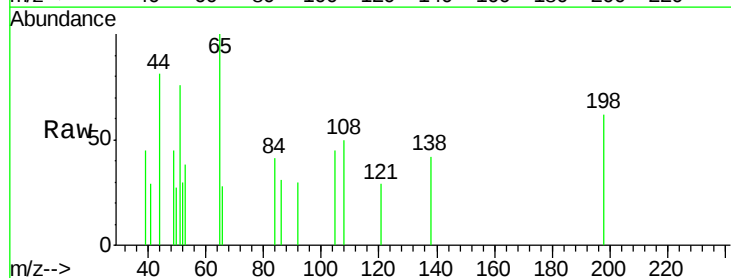
Sohil

2/26/2018
9:54:28 AM



#64
4,6-Dinitro-2-methylphenol
Concen: 5.134 ng
RT: 10.52 min Scan# 1433
Delta R.T. 0.00 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

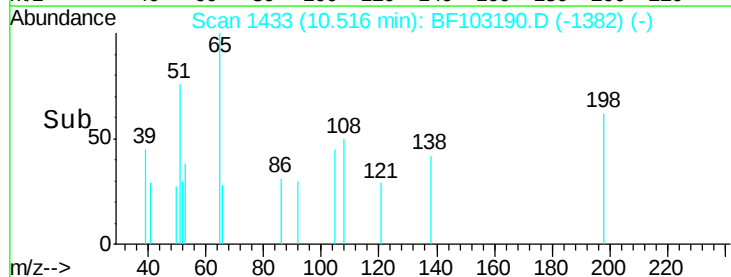
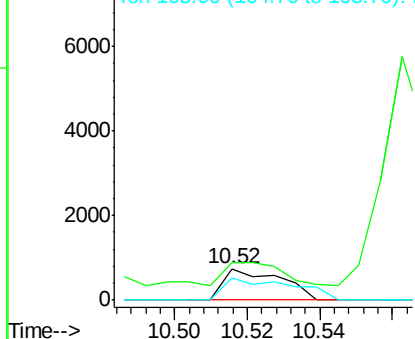
Tgt Ion	Ratio	Resp	Lower	Upper
198	100	802		
51	121.2		37.7	77.7#
105	72.0		36.3	76.3

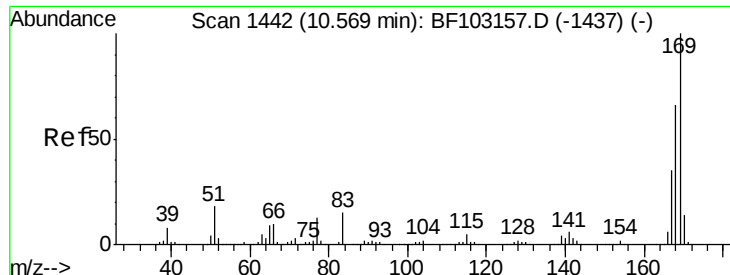


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



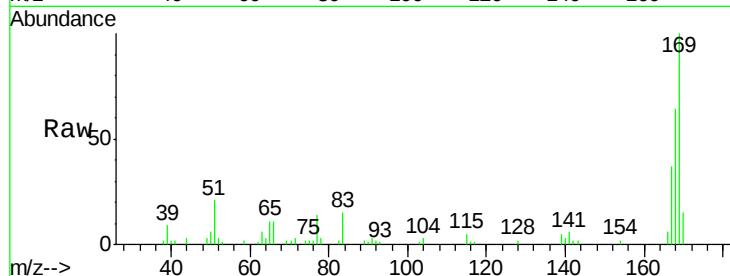


#65
 n-Nitrosodiphenylamine
 Concen: 1.123 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF103190.D
 Acq: 23 Feb 2018 11:06

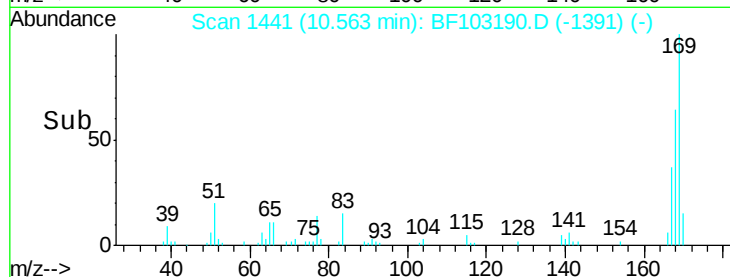
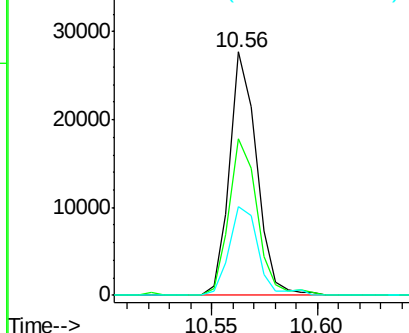
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	24548		
168	64.4		54.4	81.6
167	36.6		29.8	44.6

Manual Integrations
 APPROVED

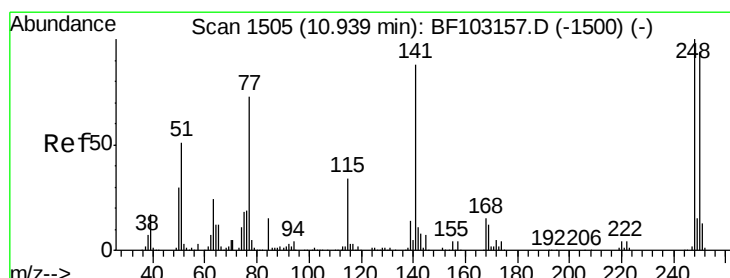


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E



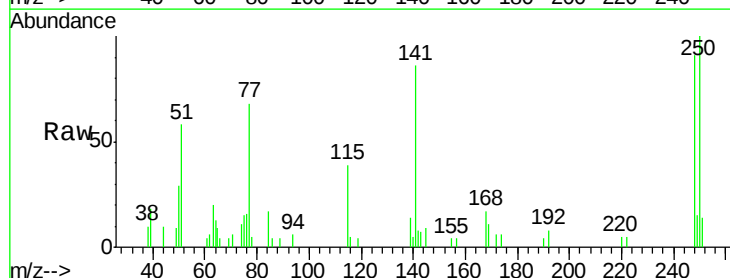
Sohil

2/26/2018
 9:54:28 AM

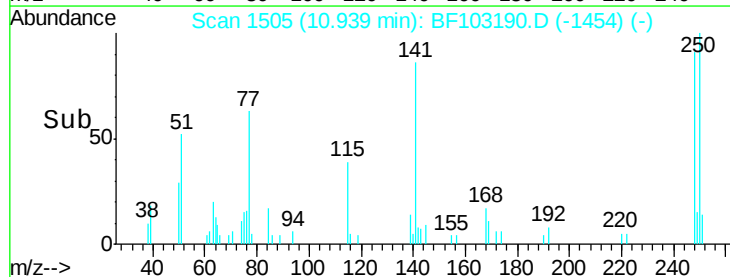
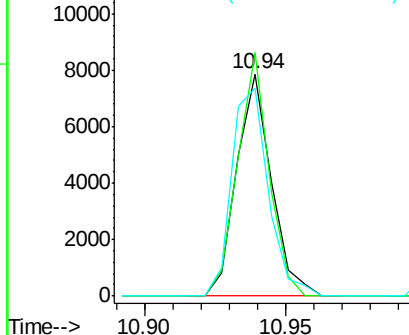


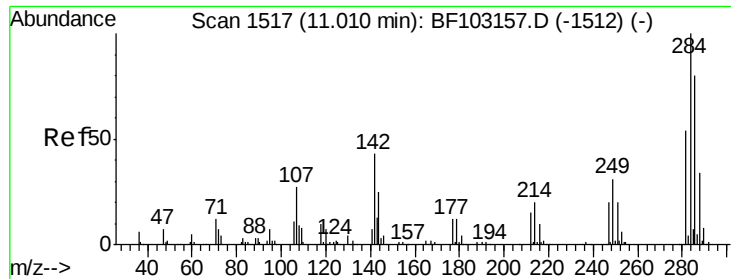
#66
 4-Bromophenyl-phenylether
 Concen: 1.029 ng
 RT: 10.94 min Scan# 1505
 Delta R.T. -0.00 min
 Lab File: BF103190.D
 Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	6727		
250	109.6		76.9	115.3
141	93.8		74.4	111.6



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



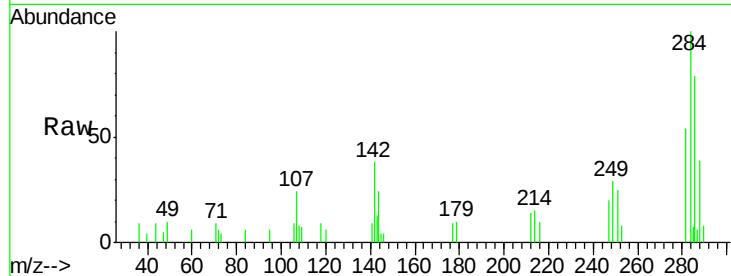


#67
Hexachlorobenzene
Concen: 1.038 ng
RT: 11.01 min Scan# 1517
Delta R.T. -0.00 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

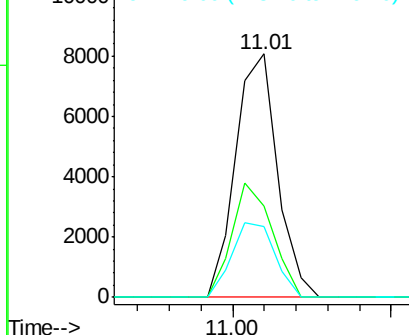
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.7	34.6	52.0
249	29.2	24.8	37.2

Manual Integrations
APPROVED

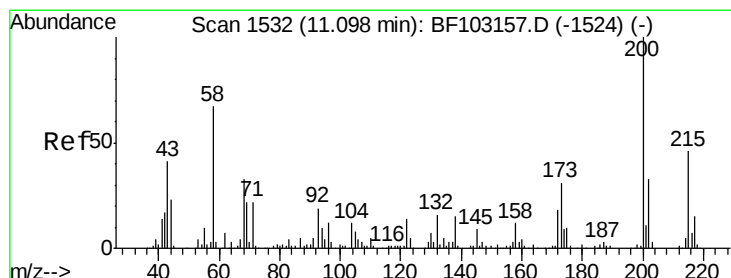
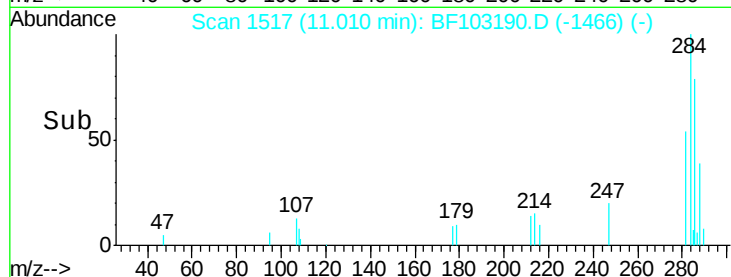


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



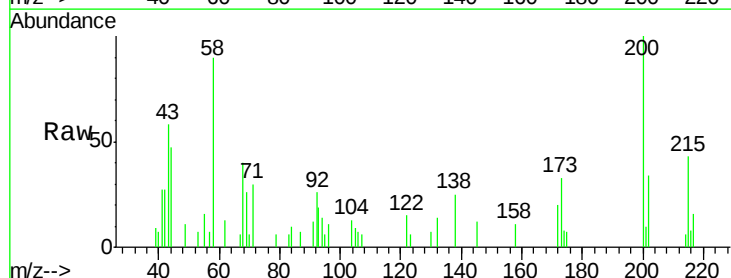
Sohil

2/26/2018
9:54:28 AM

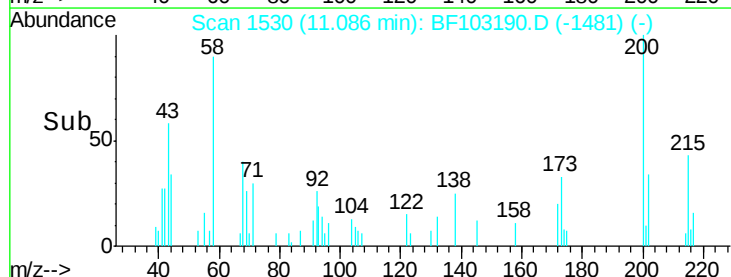
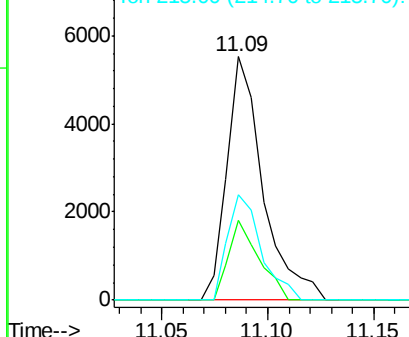


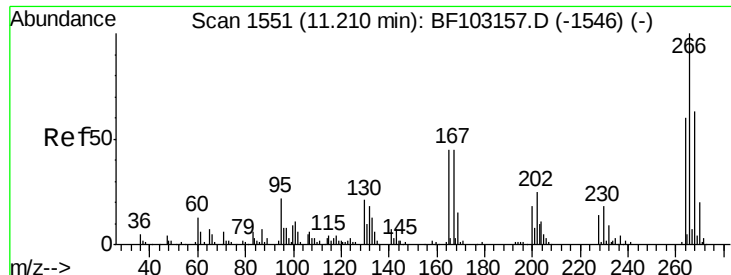
#68
Atrazine
Concen: 0.996 ng
RT: 11.09 min Scan# 1530
Delta R.T. -0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Lower	Upper
200	100		
173	32.8	8.6	48.6
215	43.2	25.1	65.1



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



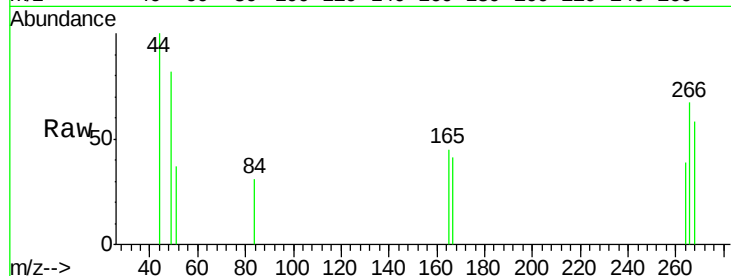


#69
 Pentachlorophenol
 Concen: 0.305 ng
 RT: 11.22 min Scan# 1553
 Delta R.T. 0.01 min
 Lab File: BF103190.D
 Acq: 23 Feb 2018 11:06

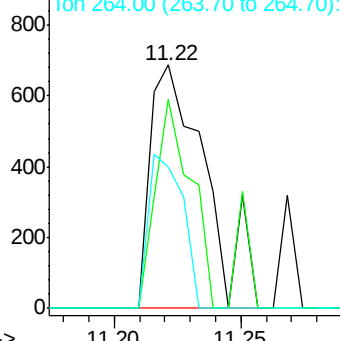
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
266	100		
268	85.9	51.1	76.7#
264	57.7	49.5	74.3

Manual Integrations
 APPROVED

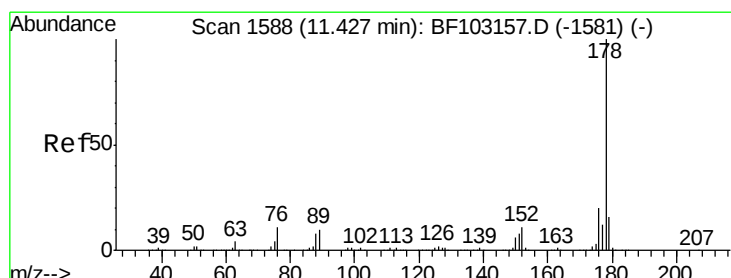
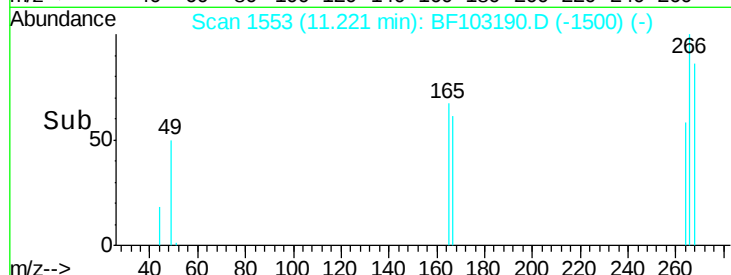


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E



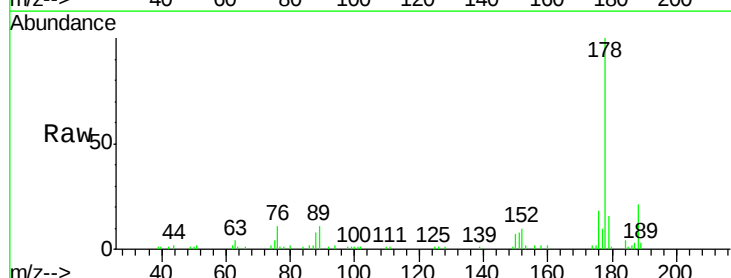
Sohil

2/26/2018
 9:54:28 AM

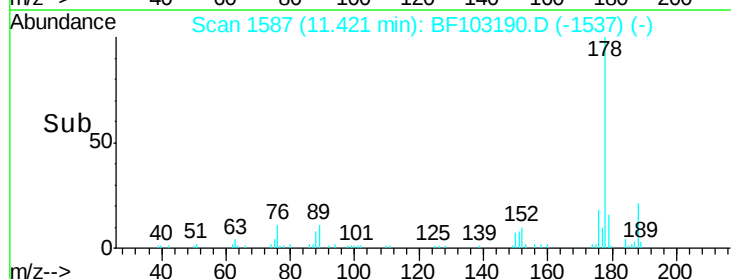
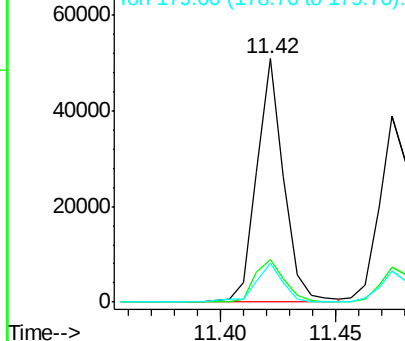


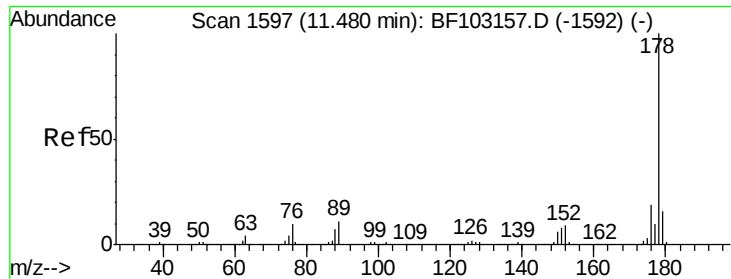
#70
 Phenanthrene
 Concen: 1.206 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF103190.D
 Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.8	23.8
179	16.1	13.0	19.6



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



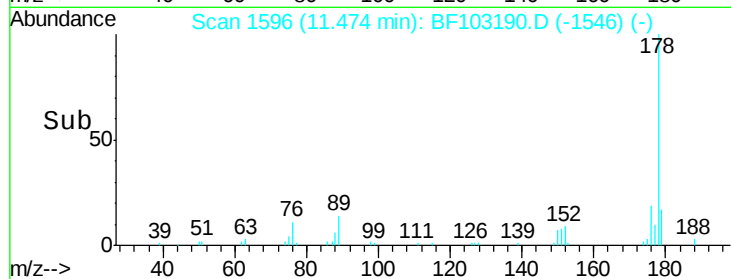
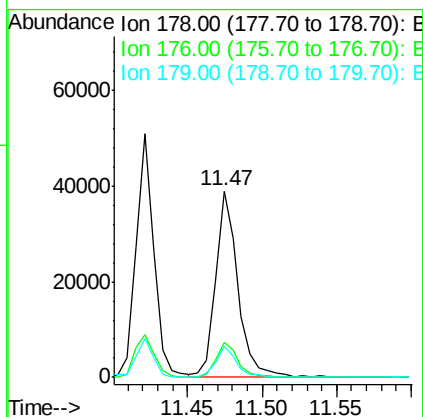
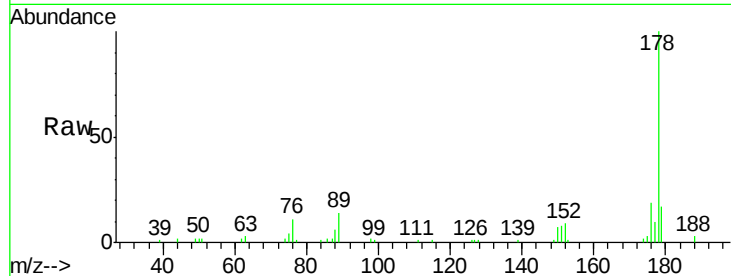


#71
 Anthracene
 Concen: 1.149 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF103190.D
 Acq: 23 Feb 2018 11:06

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

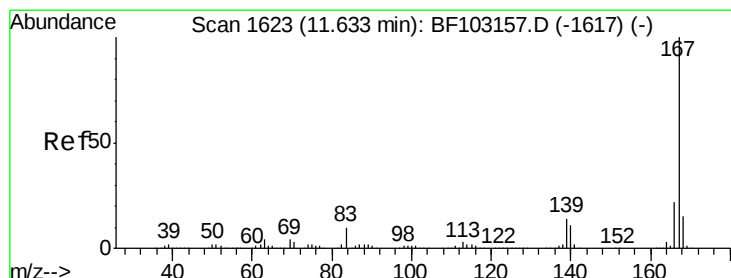
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	16.8	12.6	19.0

Manual Integrations
 APPROVED



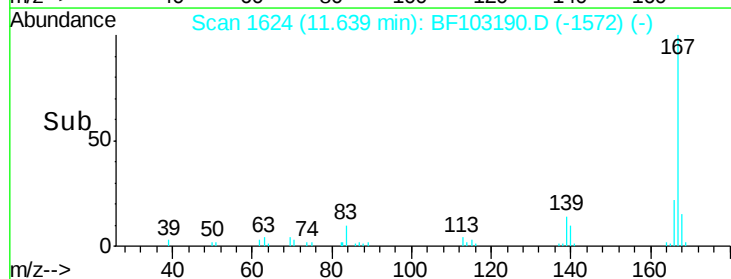
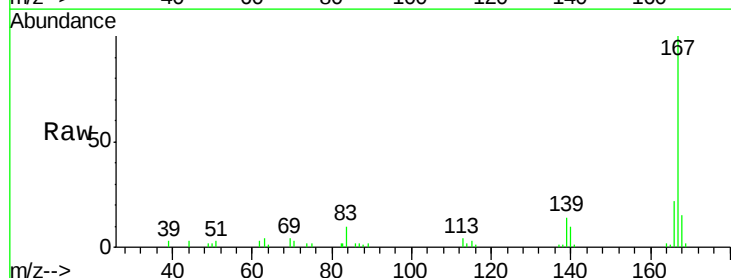
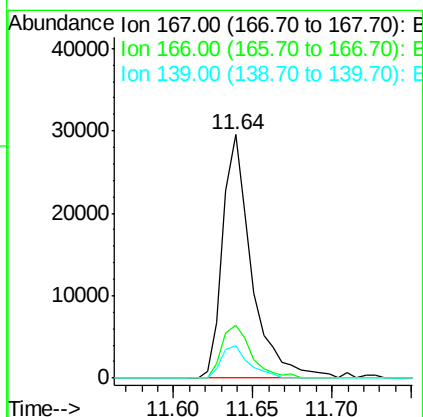
Sohil

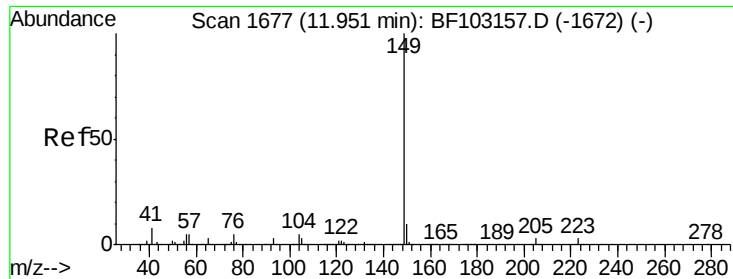
2/26/2018
 9:54:28 AM



#72
 Carbazole
 Concen: 1.058 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. 0.01 min
 Lab File: BF103190.D
 Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.6	26.4
139	13.5	10.9	16.3



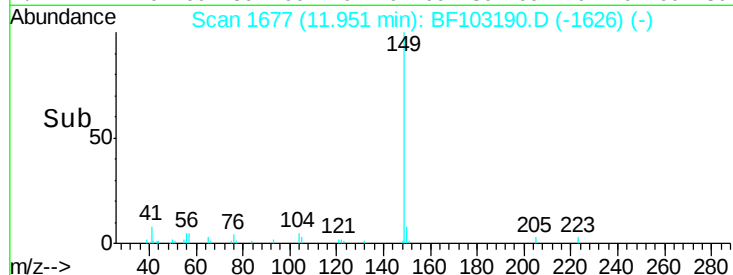
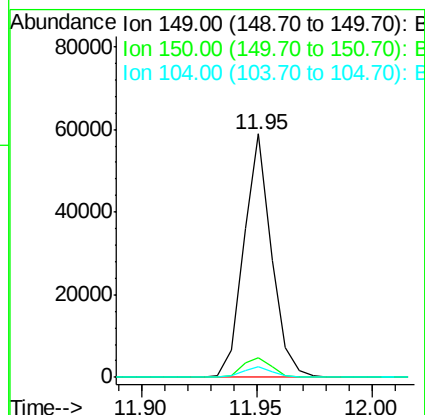
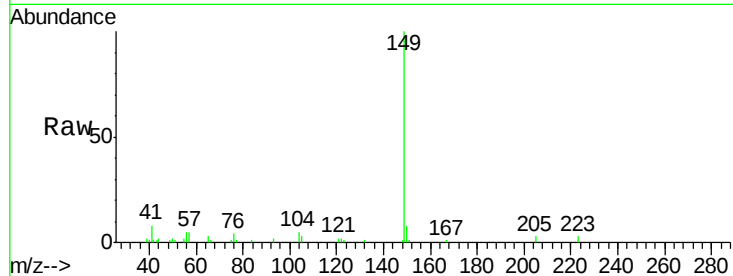


#73
Di-n-butylphthalate
Concen: 1.115 ng
RT: 11.95 min Scan# 1677
Delta R.T. -0.00 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

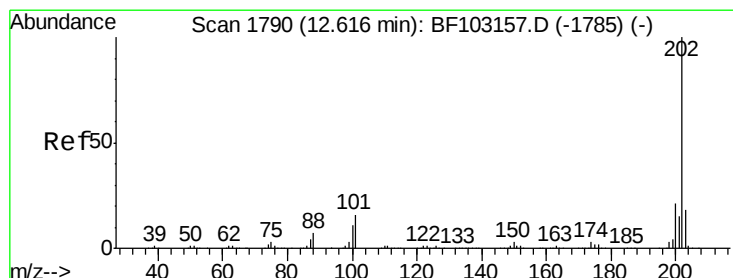
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	49239		
150	7.8		7.8	11.6
104	4.5		3.8	5.8

Manual Integrations
APPROVED



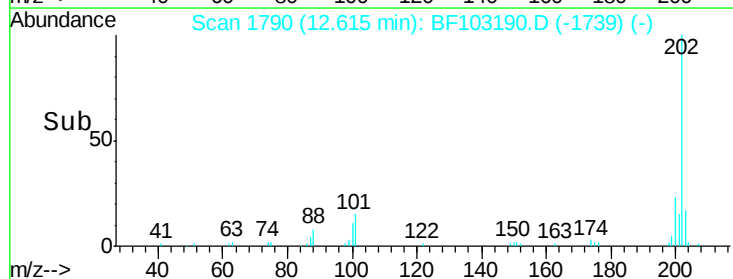
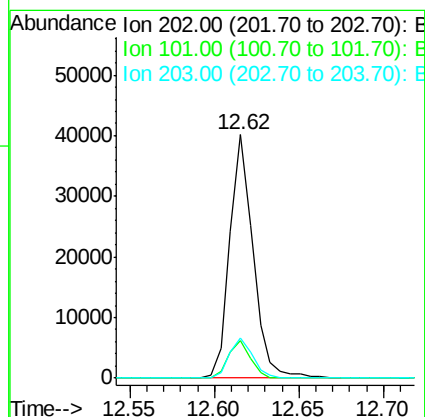
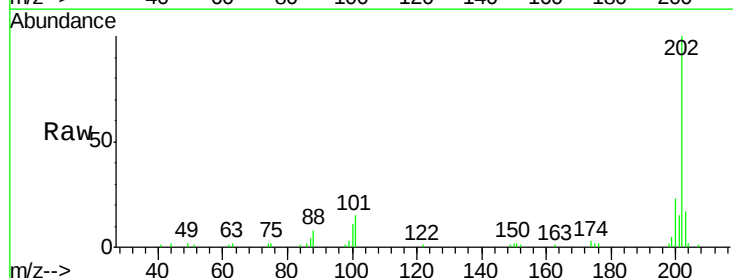
Sohil

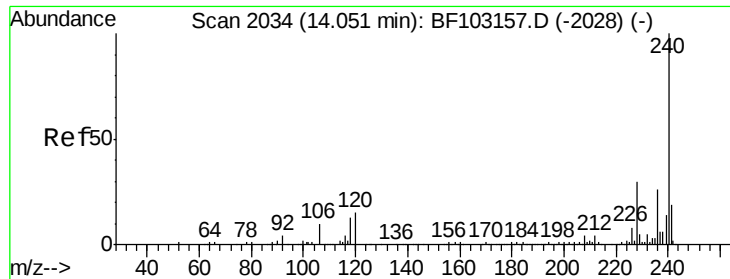
2/26/2018
9:54:28 AM



#74
Fluoranthene
Concen: 1.109 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.00 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	38492		
101	15.3		0.0	34.1
203	16.7		0.0	38.1



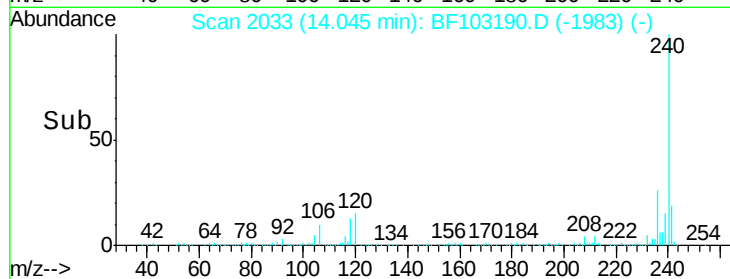
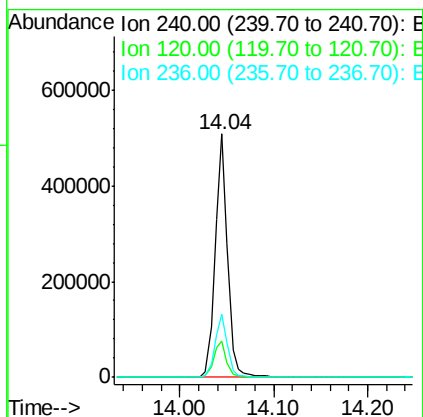
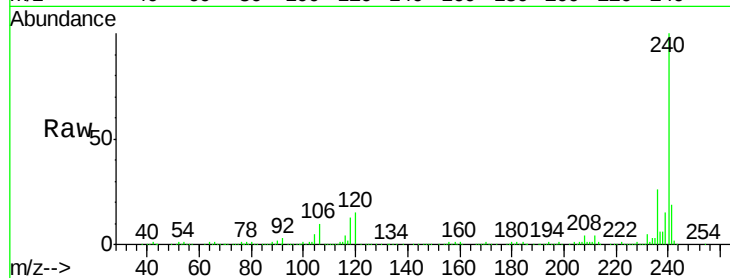


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

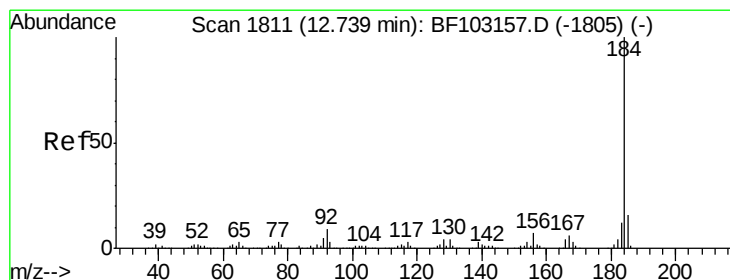
Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.6	9.5	14.3#
236	26.0	20.7	31.1

Manual Integrations
APPROVED



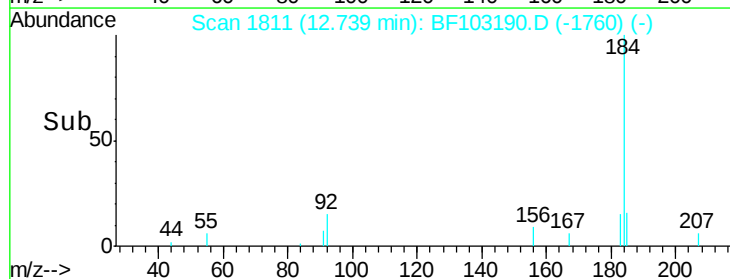
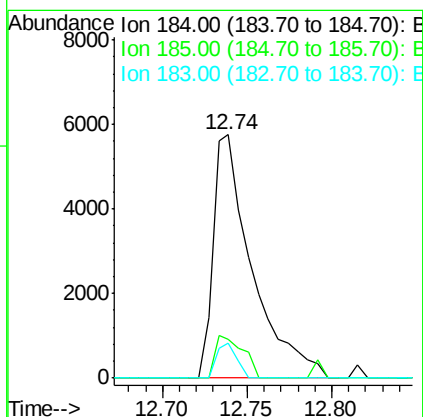
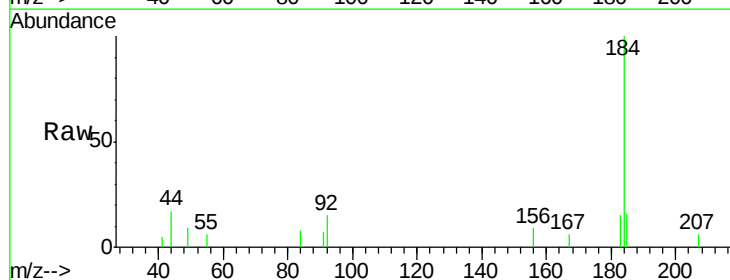
Sohil

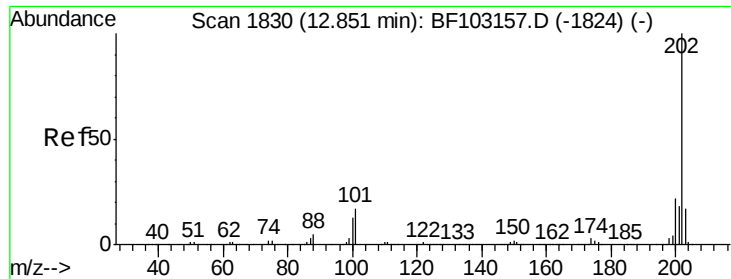
2/26/2018
9:54:28 AM



#76
Benzidine
Concen: 0.521 ng
RT: 12.74 min Scan# 1811
Delta R.T. -0.00 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.0	12.6	18.8
183	14.6	9.3	13.9#



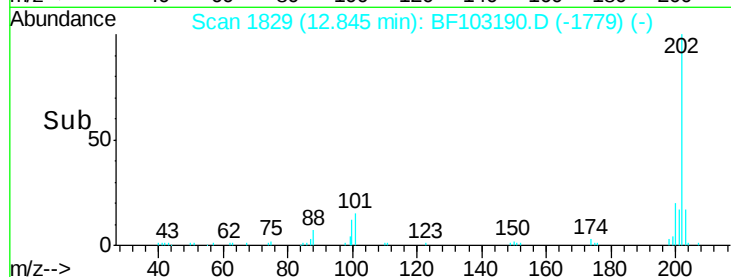
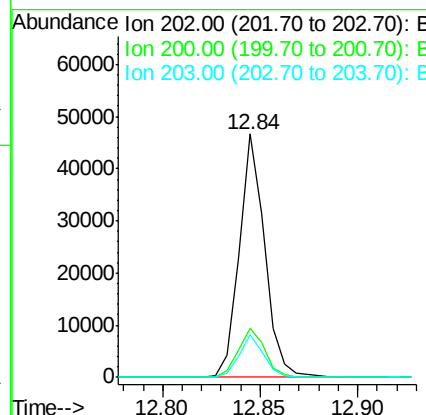
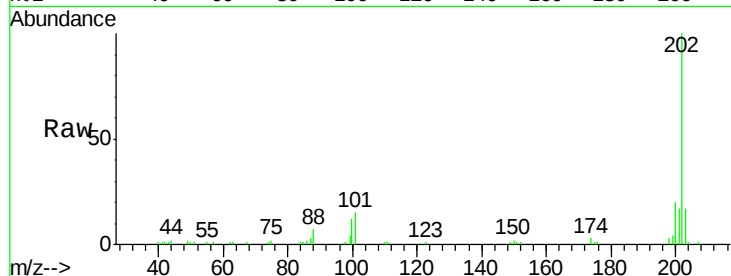


#77
 Pyrene
 Concen: 1.141 ng
 RT: 12.84 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF103190.D
 Acq: 23 Feb 2018 11:06

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

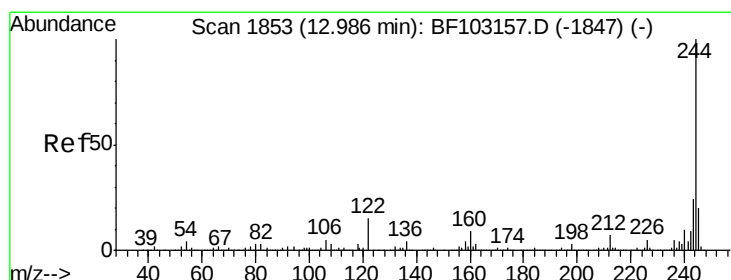
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.4	26.2
203	17.4	14.3	21.5

Manual Integrations
 APPROVED



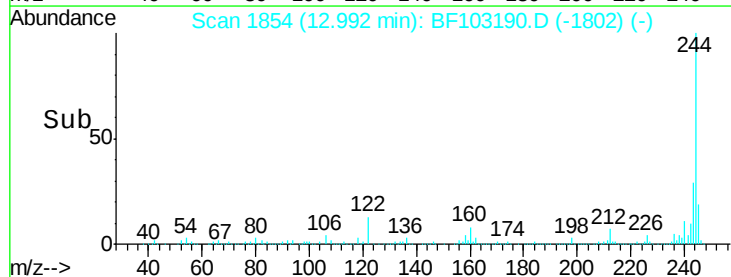
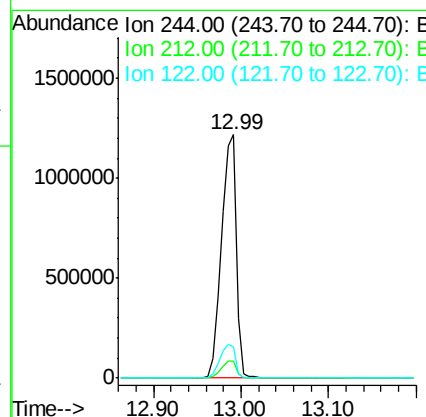
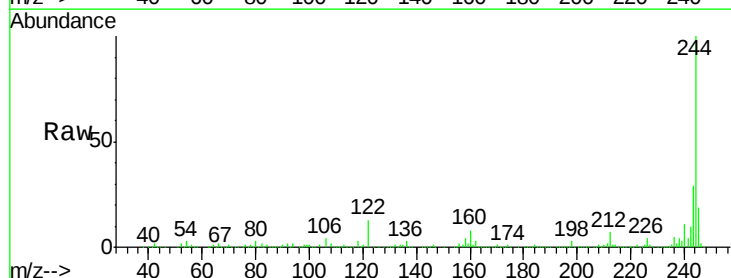
Sohil

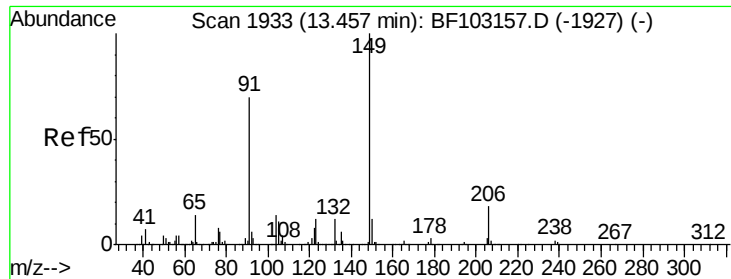
2/26/2018
 9:54:28 AM



#78
 Terphenyl-d14
 Concen: 73.080 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. 0.01 min
 Lab File: BF103190.D
 Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	12.7	11.0	16.4



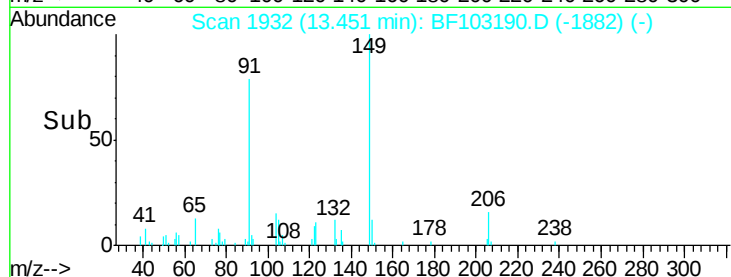
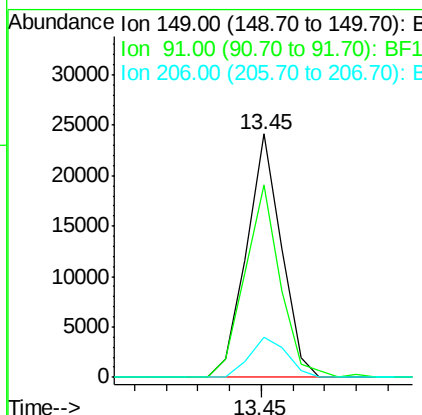
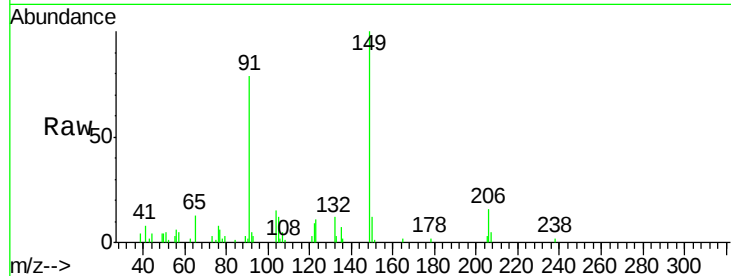


#79
Butylbenzylphthalate
Concen: 0.944 ng
RT: 13.45 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

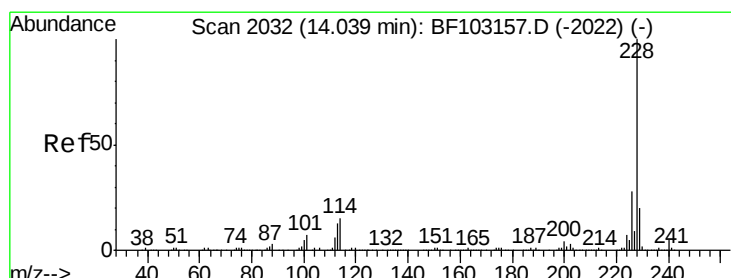
Tgt Ion	Ratio	Lower	Upper
149	100		
91	79.0	56.8	85.2
206	16.4	14.1	21.1

Manual Integrations
APPROVED



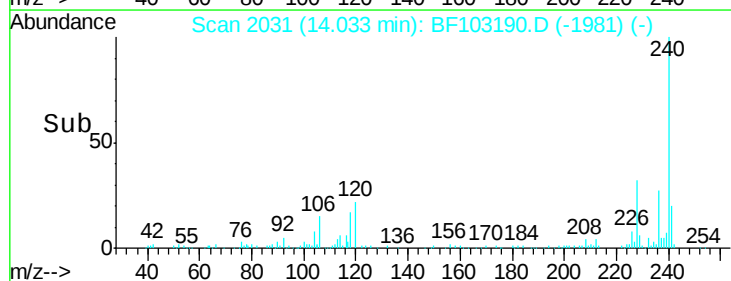
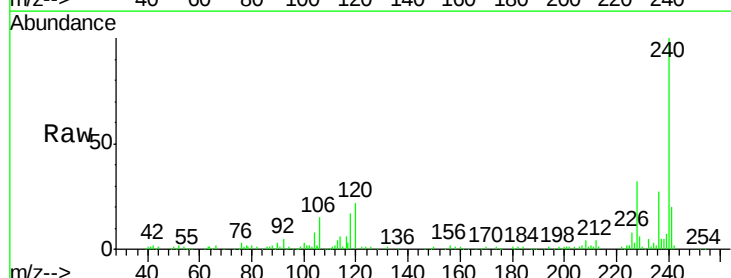
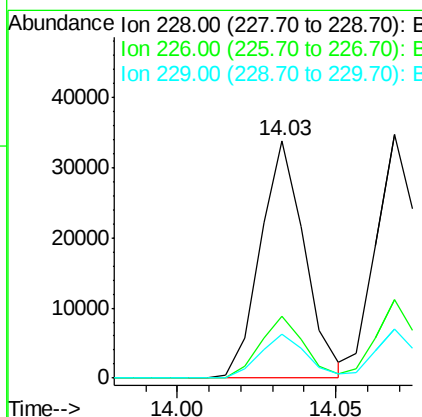
Sohil

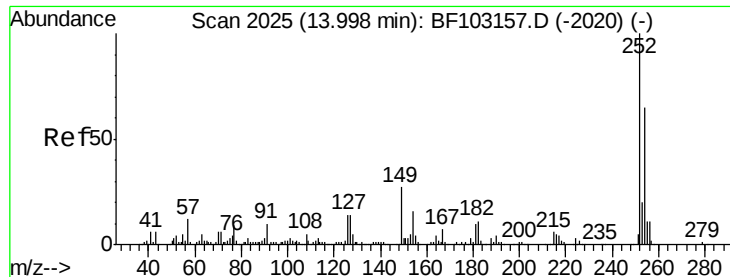
2/26/2018
9:54:28 AM



#80
Benzo(a)anthracene
Concen: 1.067 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.2	22.6	33.8
229	18.5	15.8	23.6





#81

3,3'-Dichlorobenzidine

Concen: 0.935 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF103190.D

Acq: 23 Feb 2018 11:06

Instrument :

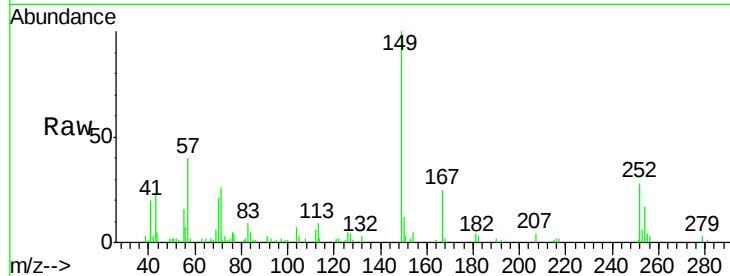
BNA_F

ClientSampleId :

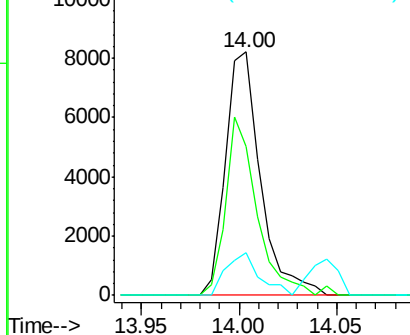
MDL-SOIL-03-QT1-2018

Tgt Ion:	252	Resp:	10258
Ion Ratio		Lower	Upper
252	100		
254	61.3	50.4	75.6
126	17.7	11.3	16.9#

Manual Integrations
APPROVED

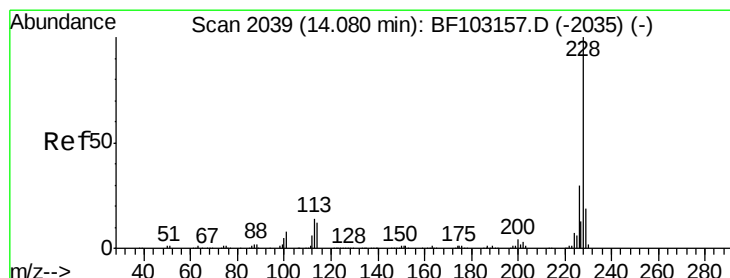
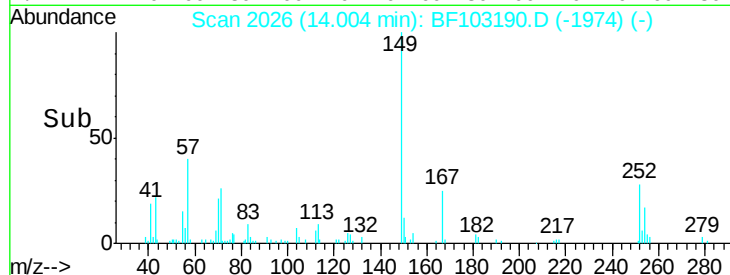


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



Sohil

2/26/2018
9:54:28 AM



#82

Chrysene

Concen: 1.107 ng

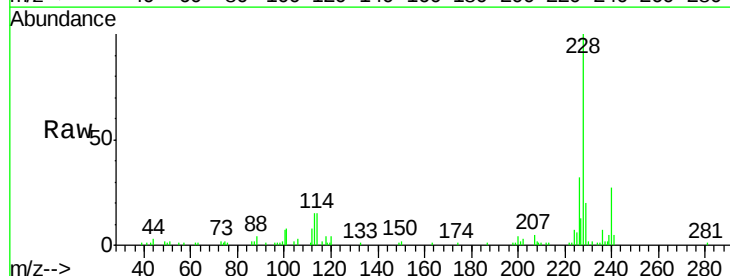
RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

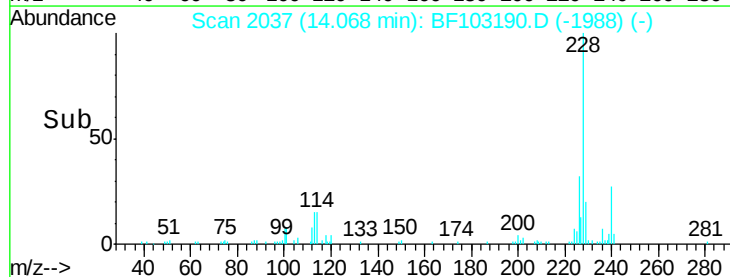
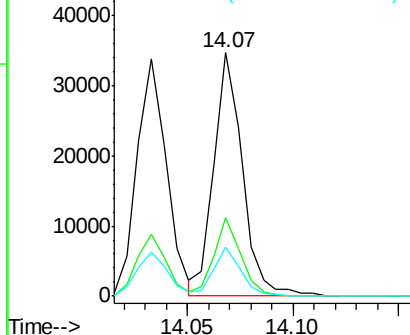
Lab File: BF103190.D

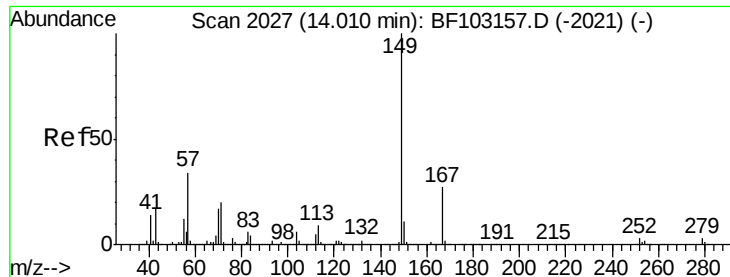
Acq: 23 Feb 2018 11:06

Tgt Ion:	228	Resp:	33040
Ion Ratio		Lower	Upper
228	100		
226	32.3	25.0	37.6
229	20.1	16.2	24.4



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



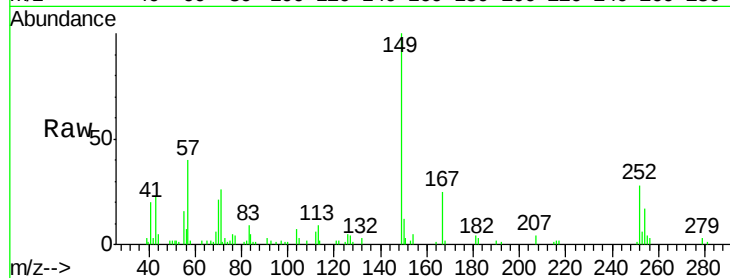


#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.068 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF103190.D
 Acq: 23 Feb 2018 11:06

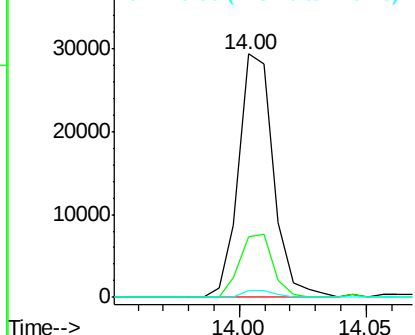
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.1	21.3	31.9
279	2.6	3.0	4.4

Manual Integrations
 APPROVED

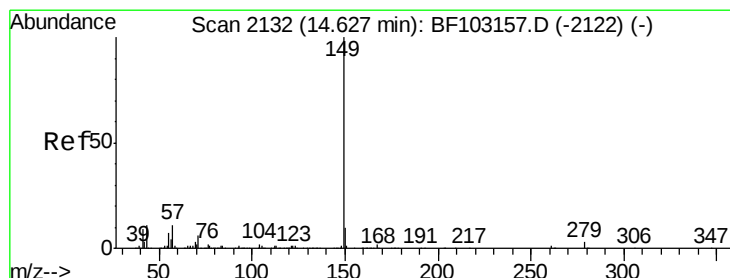
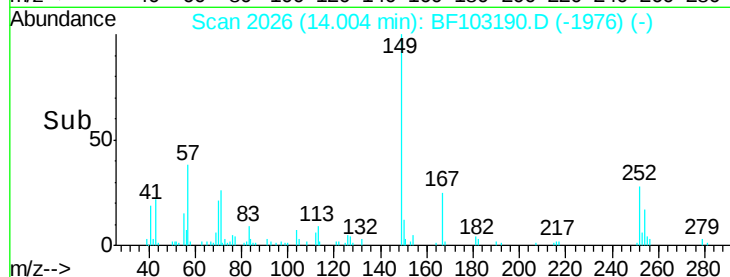


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



Sohil

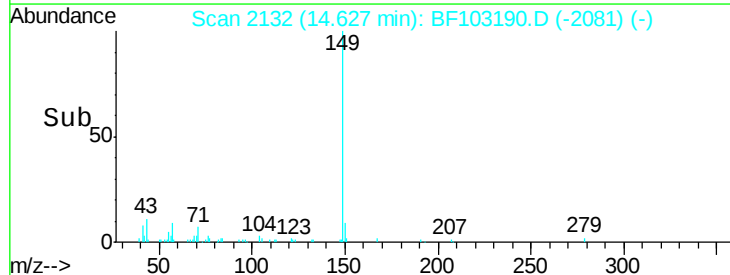
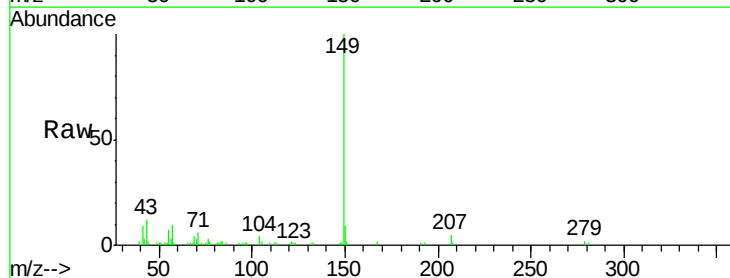
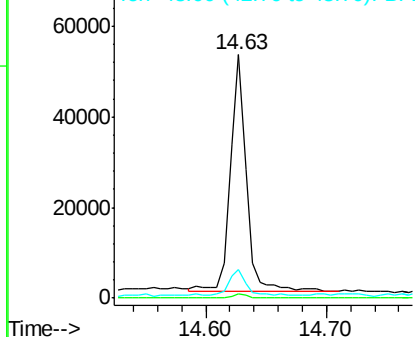
2/26/2018
 9:54:28 AM

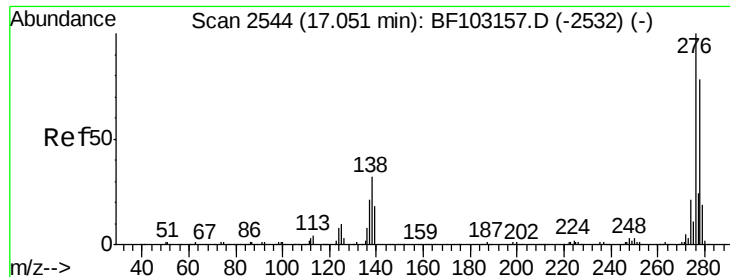


#84
 Di-n-octyl phthalate
 Concen: 1.124 ng
 RT: 14.63 min Scan# 2132
 Delta R.T. -0.00 min
 Lab File: BF103190.D
 Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	12.3	8.4	12.6

Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF1



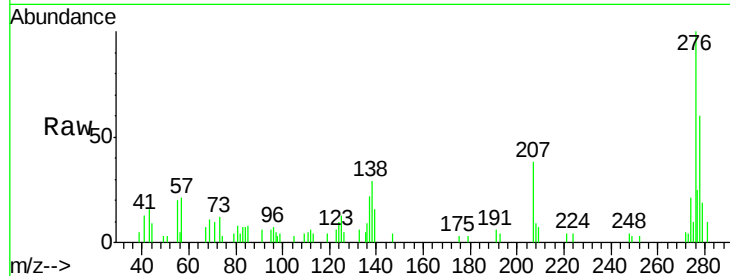


#85
Indeno(1,2,3-cd)pyrene
Concen: 1.149 ng
RT: 17.06 min Scan# 2545
Delta R.T. 0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

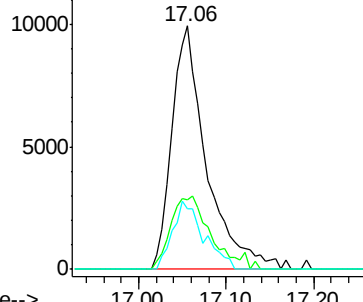
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
276	100		
138	34.7	25.0	37.6
277	25.0	20.1	30.1

Manual Integrations
APPROVED

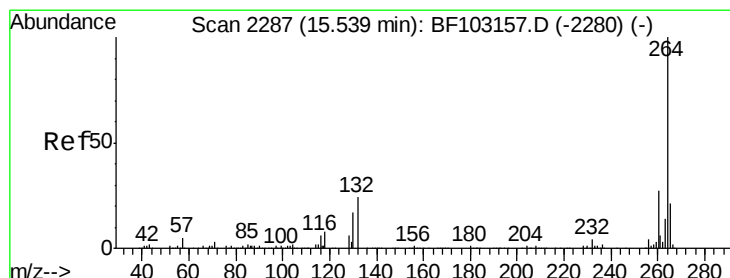
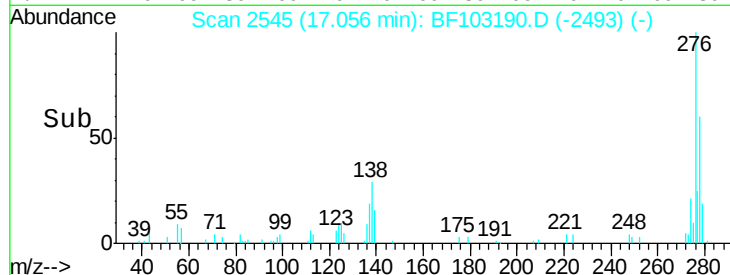


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



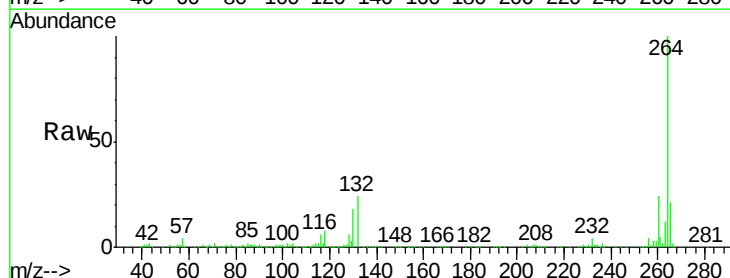
Sohil

2/26/2018
9:54:28 AM

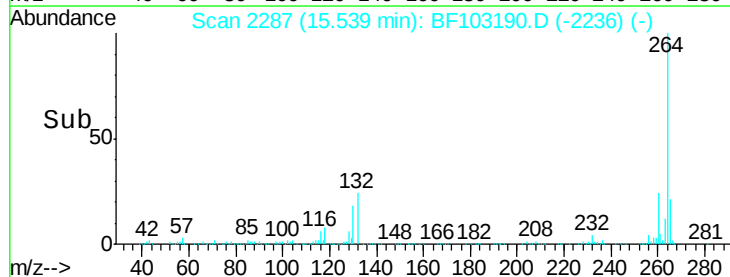
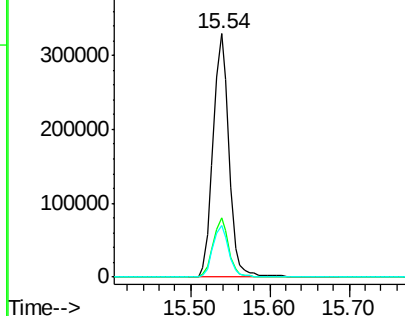


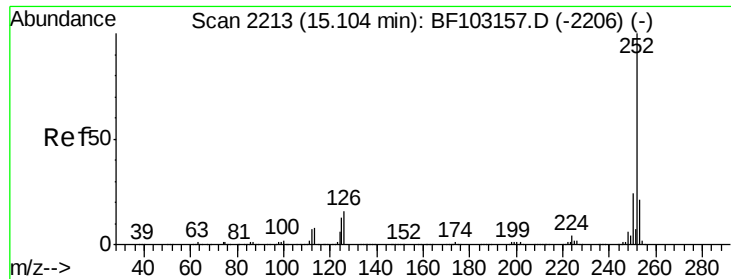
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.00 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.1	17.5	26.3



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



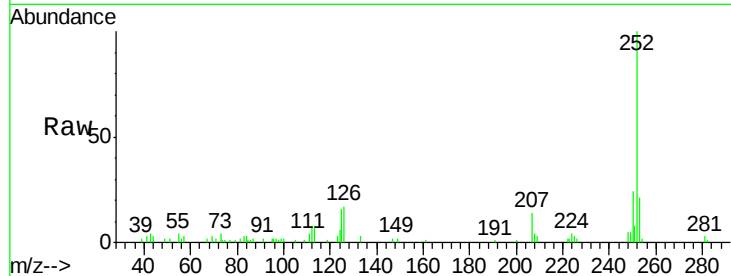


#87
Benzo(b)fluoranthene
Concen: 1.004 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

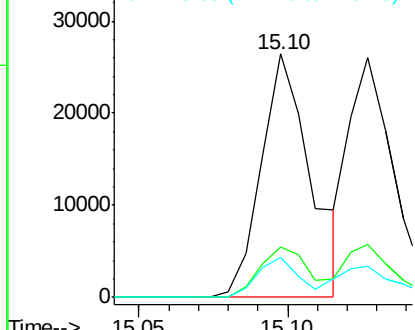
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.7	17.0	25.6
125	16.5	9.0	13.6

Manual Integrations
APPROVED

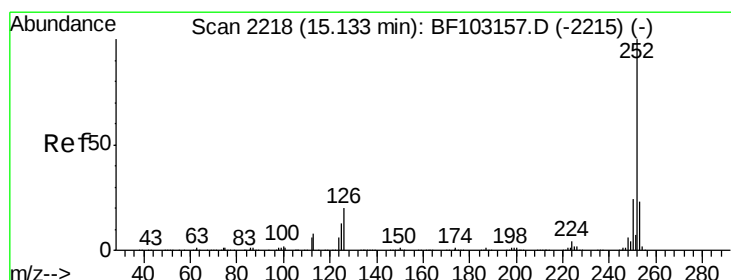
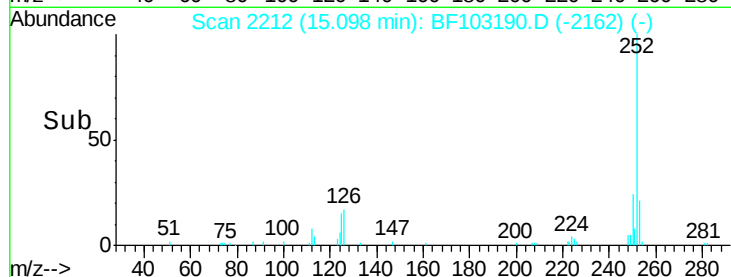


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Sohil

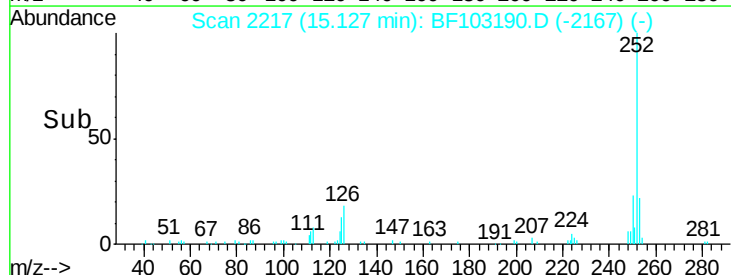
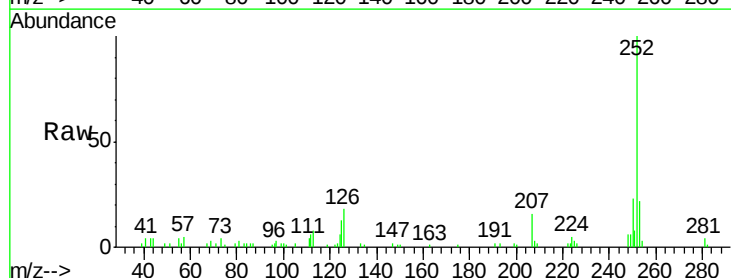
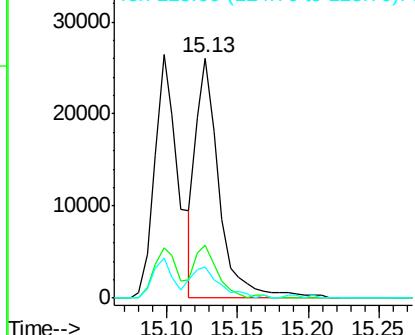
2/26/2018
9:54:28 AM

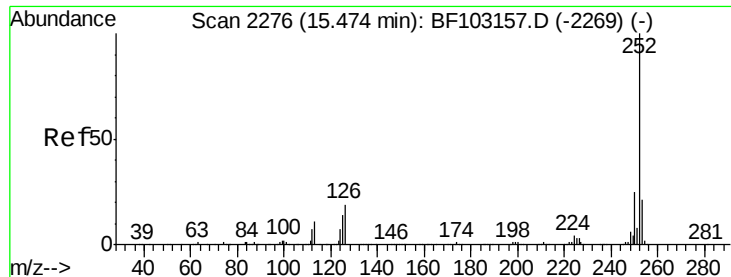


#88
Benzo(k)fluoranthene
Concen: 1.043 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	13.1	10.2	15.2

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



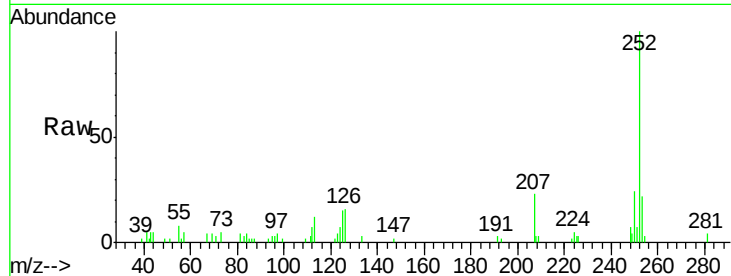


#89
Benzo(a)pyrene
Concen: 1.004 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

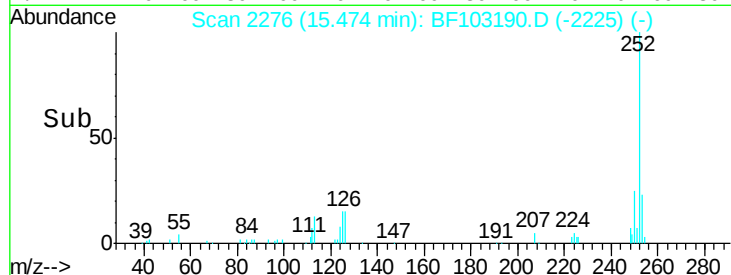
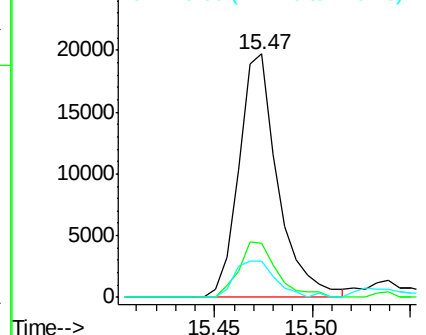
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	14.8	9.8	14.6

Manual Integrations
APPROVED

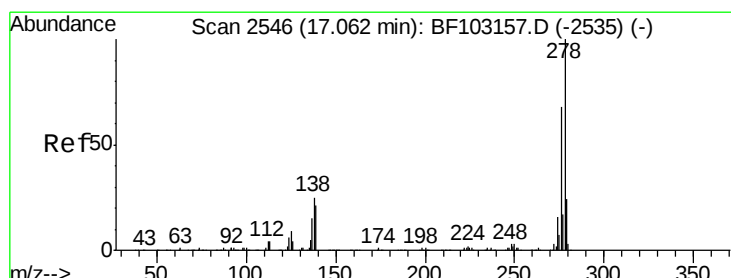


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



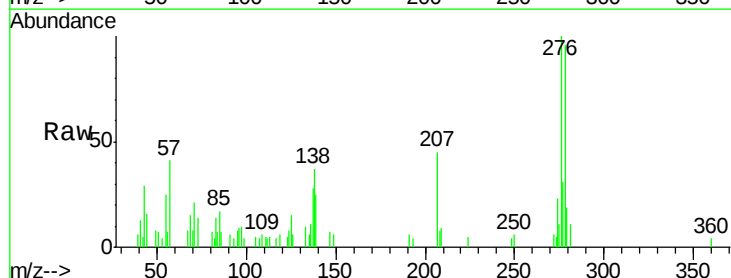
Sohil

2/26/2018
9:54:28 AM

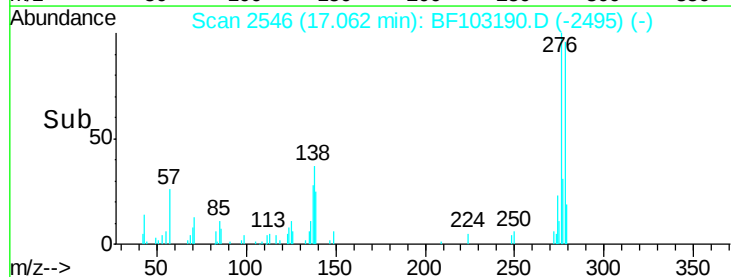
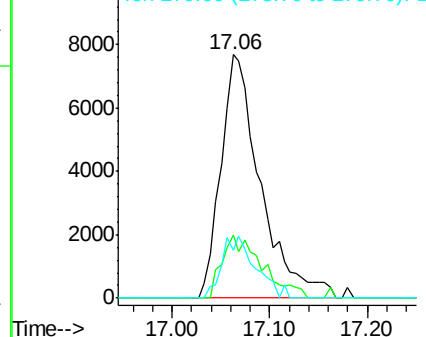


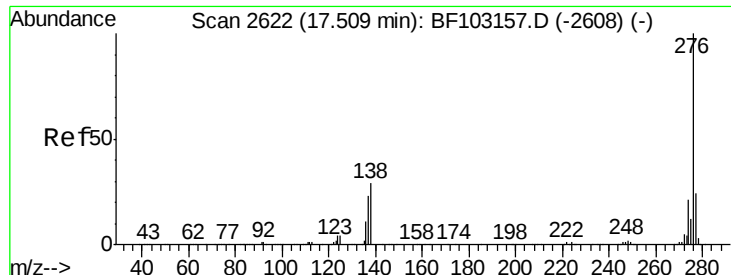
#90
Dibenzo(a,h)anthracene
Concen: 1.030 ng
RT: 17.06 min Scan# 2546
Delta R.T. -0.00 min
Lab File: BF103190.D
Acq: 23 Feb 2018 11:06

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.9	15.9	23.9
279	19.4	19.0	28.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



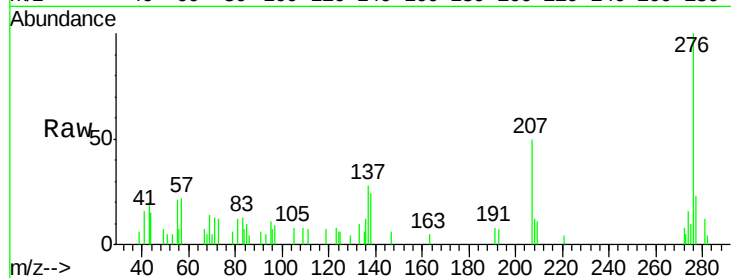


#91
 Benzo(g,h,i)perylene
 Concen: 1.046 ng
 RT: 17.52 min Scan# 2623
 Delta R.T. 0.01 min
 Lab File: BF103190.D
 Acq: 23 Feb 2018 11:06

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	17.9	26.9
138	24.3	21.8	32.8

Manual Integrations
 APPROVED

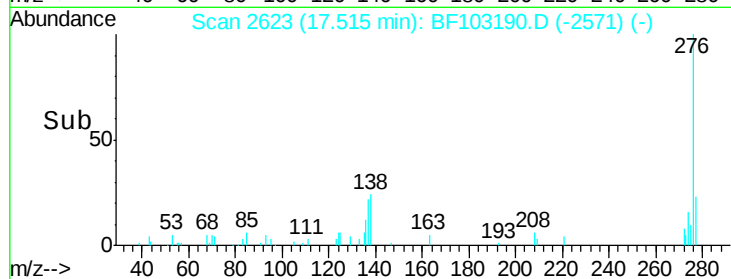
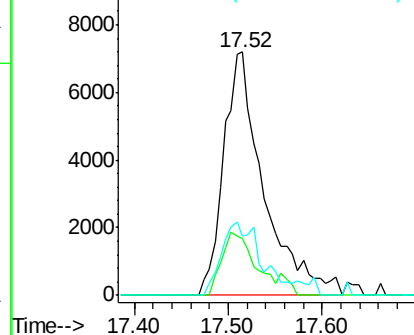


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



Sohil

2/26/2018
 9:54:28 AM