

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102318\
 Data File : BF110088.D
 Acq On : 23 Oct 2018 20:10
 Operator : JU/SJ
 Sample : J5164-03
 Misc : MDL 2PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Manual Integrations
 APPROVED

Sohil
 10/24/2018 5:12:03 PM

Quant Time: Oct 24 05:40:46 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	182293	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	777254	20.00	ng	-0.02
39) Acenaphthene-d10	10.00	164	381521	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	740359	20.00	ng	-0.02
76) Chrysene-d12	14.14	240	628682	20.00	ng	-0.02
87) Perylene-d12	15.67	264	541236	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	1398966	124.97	ng	-0.02
7) Phenol-d6	6.59	99	1807573	126.24	ng	-0.02
23) Nitrobenzene-d5	7.53	82	1063163	81.13	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	470268	124.44	ng	-0.01
45) 2-Fluorobiphenyl	9.32	172	1932762	79.55	ng	-0.02
79) Terphenyl-d14	13.09	244	2019533	66.81	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.83	88	10198	1.739	ng	96
3) Pyridine	3.70	79	24264	1.857	ng	88
4) n-Nitrosodimethylamine	3.55	42	10368	1.894	ng	# 97
6) Aniline	6.63	93	30904	1.657	ng	# 56
8) 2-Chlorophenol	6.75	128	28097	2.177	ng	93
9) Benzaldehyde	6.52	77	17596	0.939	ng	90
10) Phenol	6.60	94	32963	2.154	ng	# 61
11) bis(2-Chloroethyl)ether	6.69	93	26988	2.143	ng	86
12) 1,3-Dichlorobenzene	6.90	146	29681	2.090	ng	98
13) 1,4-Dichlorobenzene	6.98	146	30396	2.116	ng	98
14) 1,2-Dichlorobenzene	7.13	146	29055	2.179	ng	95
15) Benzyl Alcohol	7.12	79	37042m	3.364	ng	
16) 2,2'-oxybis(1-Chloropropan	7.23	45	43789	2.175	ng	70
17) 2-Methylphenol	7.20	107	21990	2.138	ng	# 79
18) Hexachloroethane	7.47	117	10717	2.038	ng	95
19) n-Nitroso-di-n-propylamine	7.36	70	18606	2.026	ng	# 89
20) 3+4-Methylphenols	7.35	107	27181	2.044	ng	# 87
22) Acetophenone	7.36	105	39460	2.203	ng	# 94
24) Nitrobenzene	7.55	77	31279	2.312	ng	# 87
25) Isophorone	7.77	82	53345	2.388	ng	96
26) 2-Nitrophenol	7.86	139	11657	1.811	ng	96
27) 2,4-Dimethylphenol	7.89	122	21725	2.035	ng	98
28) bis(2-Chloroethoxy)methane	7.99	93	33355	2.198	ng	98
29) 2,4-Dichlorophenol	8.10	162	21493	1.993	ng	99
30) 1,2,4-Trichlorobenzene	8.19	180	24635	2.039	ng	97
31) Naphthalene	8.27	128	86073	2.403	ng	98
32) Benzoic acid	7.93	122	8379	1.016	ng	98
33) 4-Chloroaniline	8.32	127	24799	1.538	ng	99
34) Hexachlorobutadiene	8.38	225	14074	2.098	ng	94
35) Caprolactam	8.65	113	6372	1.695	ng	# 87
36) 4-Chloro-3-methylphenol	8.78	107	23440	2.010	ng	97
37) 2-Methylnaphthalene	8.96	142	59001	2.489	ng	95
38) 1-Methylnaphthalene	9.06	142	54562	2.382	ng	# 97
40) 1,2,4,5-Tetrachlorobenzene	9.12	216	23951	2.015	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102318\
 Data File : BF110088.D
 Acq On : 23 Oct 2018 20:10
 Operator : JU/SJ
 Sample : J5164-03
 Misc : MDL 2PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Manual Integrations
 APPROVED

Sohil
 10/24/2018 5:12:03 PM

Quant Time: Oct 24 05:40:46 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.11	237	10274	1.690	ng	95
43) 2,4,6-Trichlorophenol	9.23	196	14793	1.929	ng	95
44) 2,4,5-Trichlorophenol	9.27	196	15755	1.944	ng	92
46) 1,1'-Biphenyl	9.42	154	77481	2.246	ng	97
47) 2-Chloronaphthalene	9.45	162	53838	2.127	ng	99
48) 2-Nitroaniline	9.54	65	14926	1.946	ng	96
49) Acenaphthylene	9.87	152	86269	2.360	ng	98
50) Dimethylphthalate	9.71	163	62652	2.225	ng	99
51) 2,6-Dinitrotoluene	9.78	165	12712	2.095	ng #	86
52) Acenaphthene	10.04	154	56377	2.331	ng	95
53) 3-Nitroaniline	9.95	138	12352	1.712	ng #	94
54) 2,4-Dinitrophenol	10.06	184	1737	5.850	ng	95
55) Dibenzofuran	10.21	168	77035	2.275	ng	96
56) 4-Nitrophenol	10.10	139	9011	1.688	ng	90
57) 2,4-Dinitrotoluene	10.19	165	15134	1.964	ng #	85
58) Fluorene	10.56	166	60893	2.417	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.33	232	12895	1.952	ng	94
60) Diethylphthalate	10.42	149	60357	2.195	ng	99
61) 4-Chlorophenyl-phenylether	10.55	204	29073	2.187	ng	94
62) 4-Nitroaniline	10.56	138	13066	1.821	ng	94
63) Azobenzene	10.70	77	61078	2.238	ng	98
65) 4,6-Dinitro-2-methylphenol	10.59	198	3522	1.041	ng	84
66) n-Nitrosodiphenylamine	10.66	169	52716	2.171	ng	99
67) 4-Bromophenyl-phenylether	11.04	248	16727	2.083	ng	94
68) Hexachlorobenzene	11.10	284	18213	2.137	ng	96
69) Atrazine	11.18	200	16943	2.208	ng	95
70) Pentachlorophenol	11.30	266	5295	1.066	ng #	66
71) Phenanthrene	11.52	178	94988	2.452	ng	97
72) Anthracene	11.57	178	97094	2.501	ng	97
73) Carbazole	11.73	167	82220	2.169	ng	97
74) Di-n-butylphthalate	12.05	149	92915	2.170	ng #	97
75) Fluoranthene	12.71	202	95173	2.421	ng	98
77) Benzidine	12.83	184	16488	0.624	ng #	93
78) Pyrene	12.95	202	96512	2.141	ng	97
80) Butylbenzylphthalate	13.55	149	36712	1.877	ng	99
81) Benzo(a)anthracene	14.13	228	86492	2.320	ng	97
82) 3,3'-Dichlorobenzidine	14.09	252	18610	1.433	ng	96
83) Chrysene	14.17	228	82166	2.320	ng	97
84) Bis(2-ethylhexyl)phthalate	14.10	149	50751	1.919	ng	99
85) Di-n-octyl phthalate	14.72	149	81402	1.980	ng	98
86) Indeno(1,2,3-cd)pyrene	17.21	276	60041	2.044	ng #	94
88) Benzo(b)fluoranthene	15.21	252	68388	2.188	ng	97
89) Benzo(k)fluoranthene	15.24	252	71446	2.325	ng #	98
90) Benzo(a)pyrene	15.59	252	63241	2.199	ng	93
91) Dibenzo(a,h)anthracene	17.23	278	50093	2.019	ng #	96
92) Benzo(g,h,i)perylene	17.69	276	48461	1.982	ng #	94

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

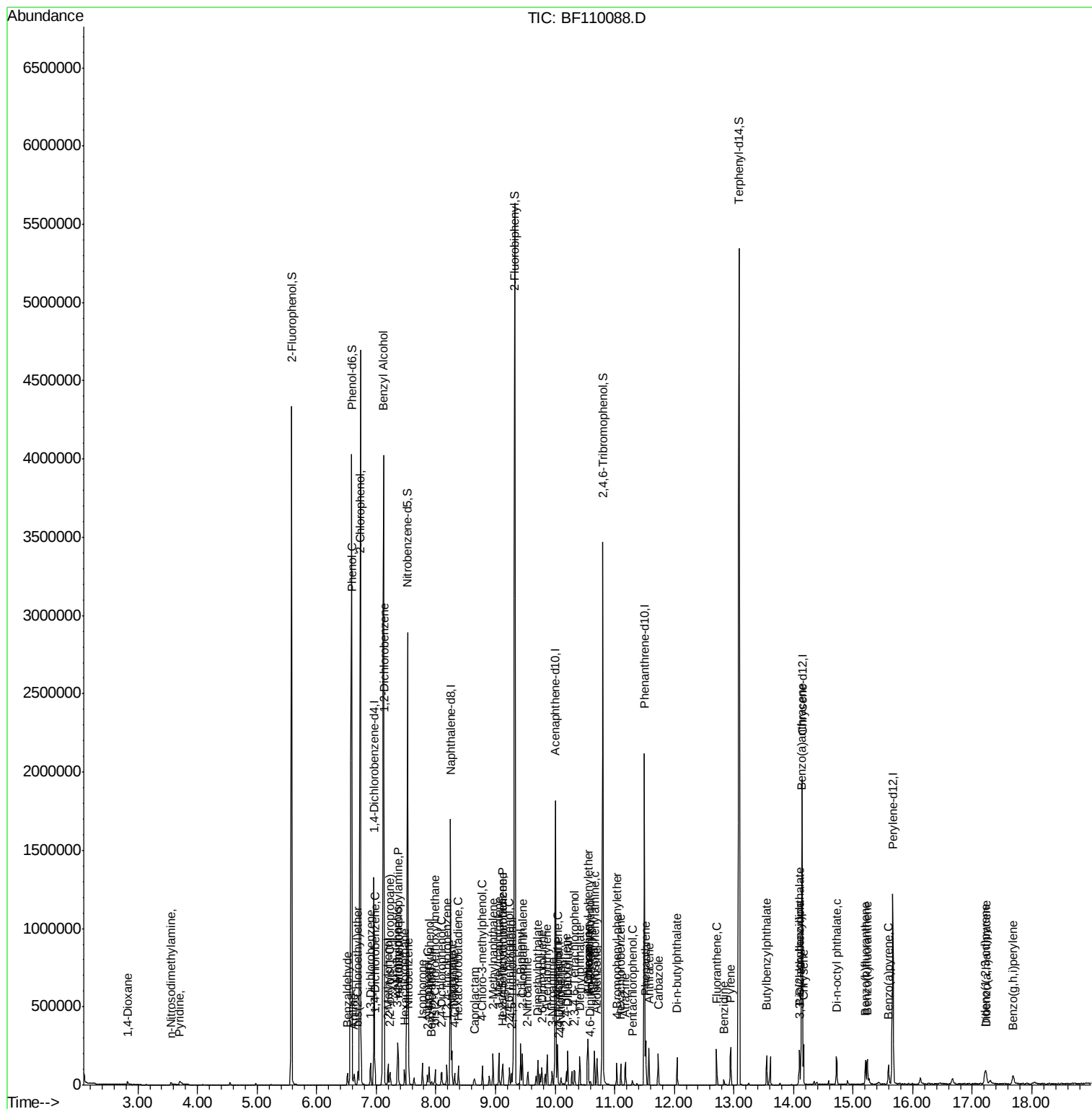
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102318\
Data File : BF110088.D
Acq On : 23 Oct 2018 20:10
Operator : JU/SJ
Sample : J5164-03
Misc : MDL 2PPM
ALS Vial : 10 Sample Multiplier: 1

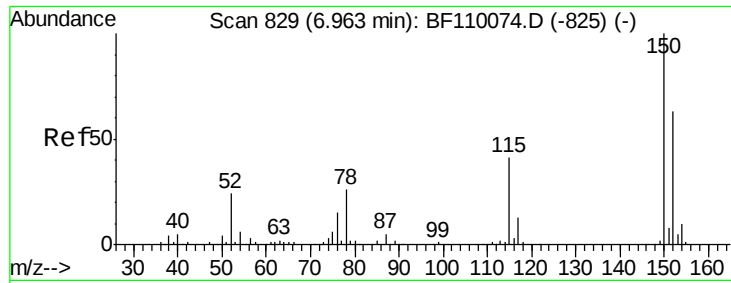
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Manual Integrations
APPROVED

Sohil
10/24/2018 5:12:03 PM

Quant Time: Oct 24 05:40:46 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 23 15:06:18 2018
Response via : Initial Calibration





#1

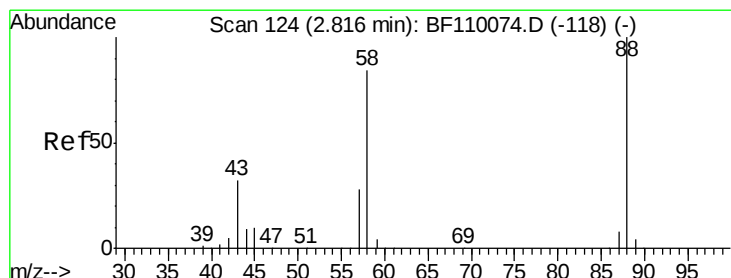
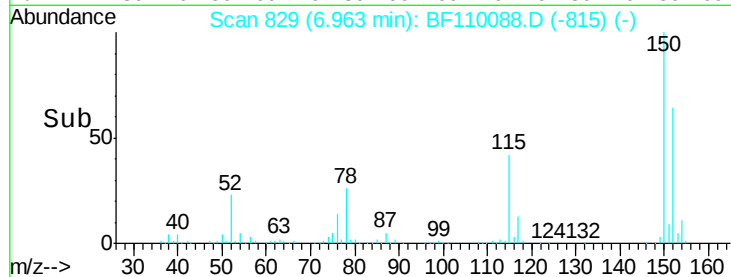
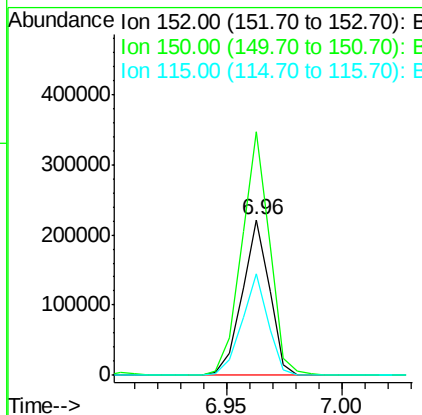
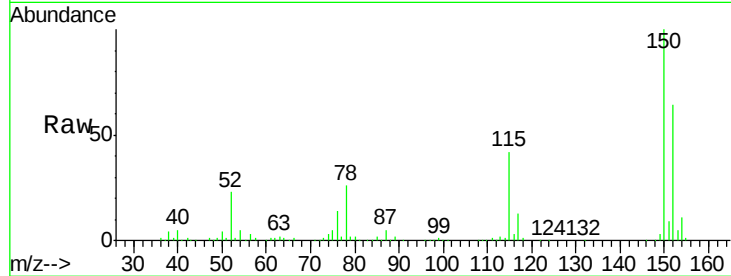
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.4	122.7	184.1
115	65.3	49.1	73.7

Manual Integrations
APPROVED

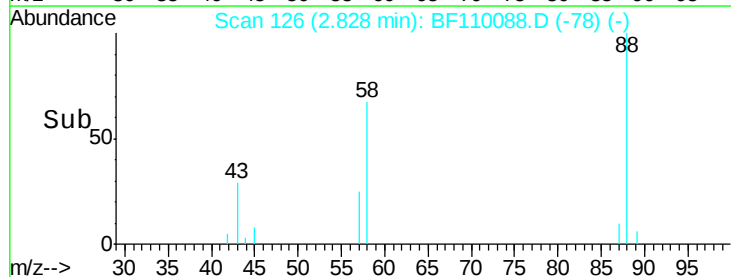
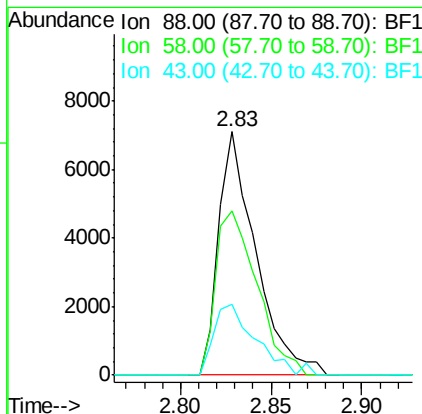
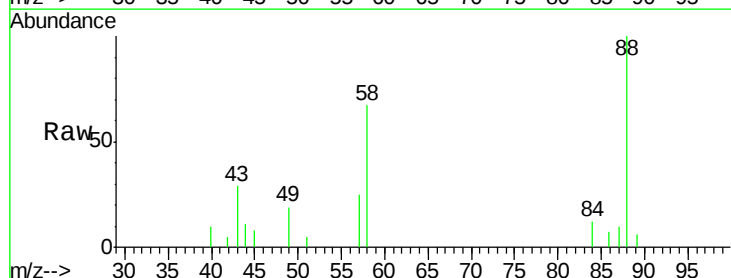
Sohil
10/24/2018 5:12:03 PM



#2

1,4-Dioxane
Concen: 1.739 ng
RT: 2.83 min Scan# 126
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Lower	Upper
88	100		
58	74.5	57.1	85.7
43	32.7	24.1	36.1





#3

Pyridine

Concen: 1.857 ng

RT: 3.70 min Scan# 274

Delta R.T. 0.08 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

Instrument :

BNA_F

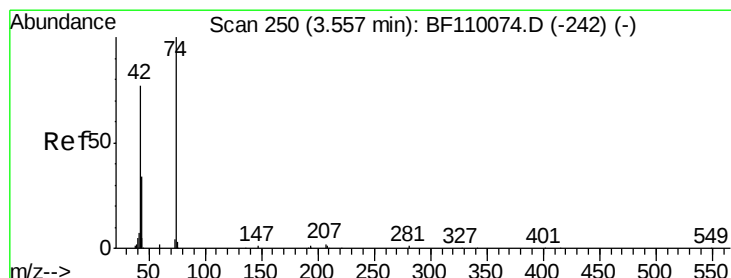
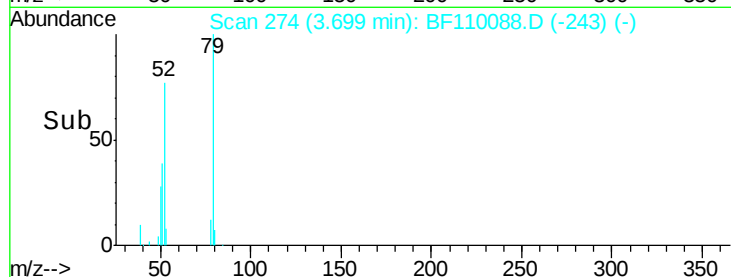
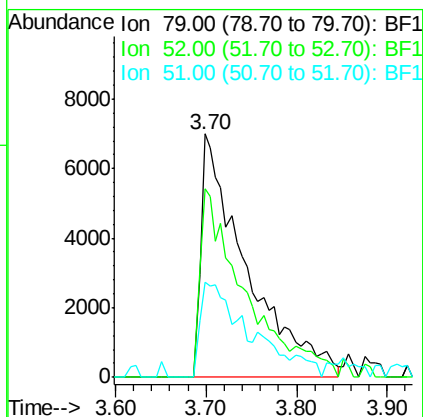
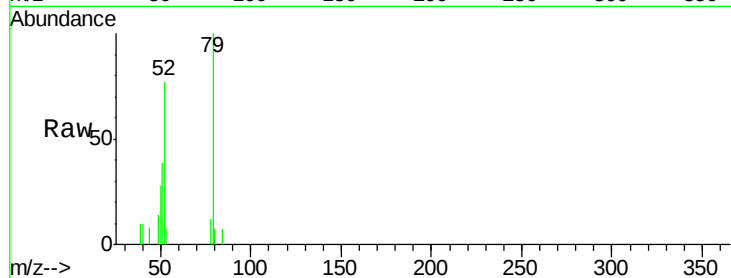
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	79	Resp:	24264
Ion Ratio	Lower	Upper	
79	100		
52	77.2	53.1	79.7
51	39.1	27.4	41.2

Manual Integrations
APPROVED

Sohil
10/24/2018 5:12:03 PM



#4

n-Nitrosodimethylamine

Concen: 1.894 ng

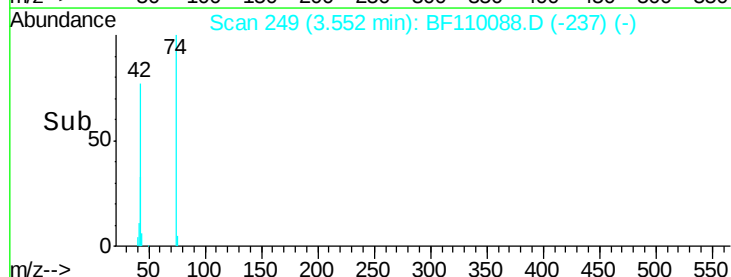
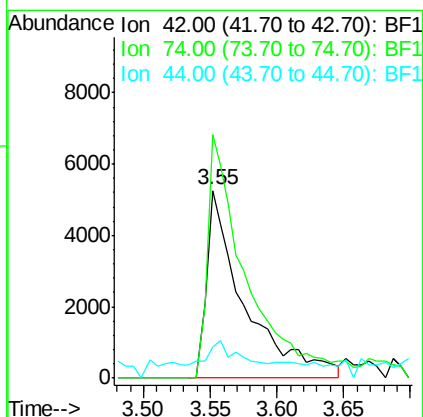
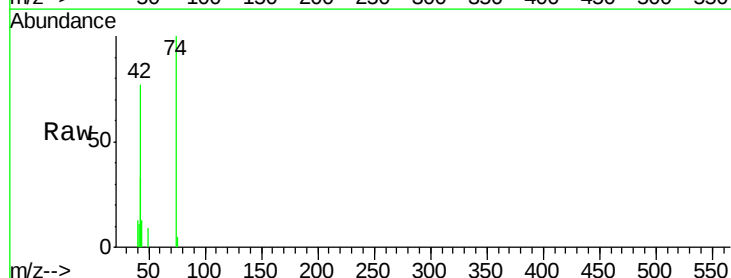
RT: 3.55 min Scan# 249

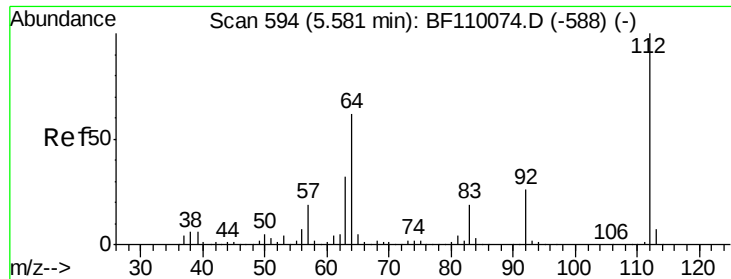
Delta R.T. -0.03 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

Tgt Ion:	42	Resp:	10368
Ion Ratio	Lower	Upper	
42	100		
74	129.8	105.5	158.3
44	16.5	4.9	7.3#





#5

2-Fluorophenol

Concen: 124.972 ng

RT: 5.58 min Scan# 594

Delta R.T. -0.02 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 112 Resp: 1398966

Ion Ratio Lower Upper

112 100

64 61.6 44.1 66.1

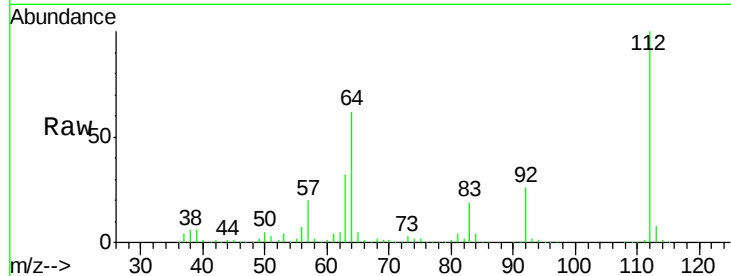
63 32.0 23.7 35.5

Manual Integrations

APPROVED

Sohil

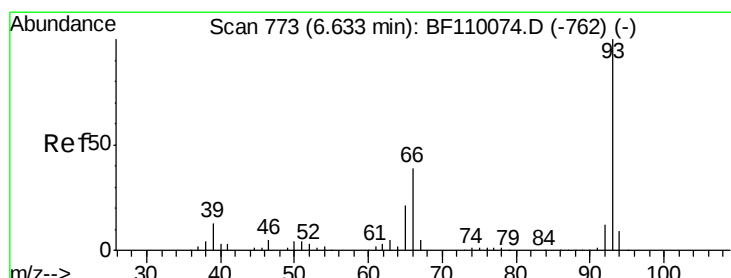
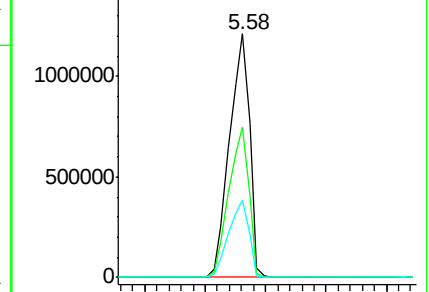
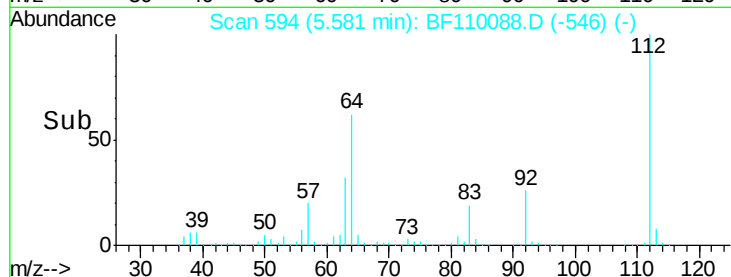
10/24/2018 5:12:03 PM



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



#6

Aniline

Concen: 1.657 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

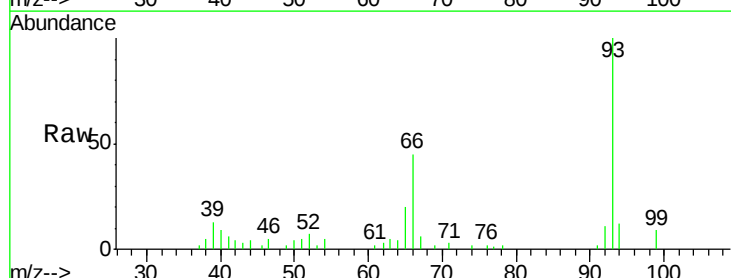
Tgt Ion: 93 Resp: 30904

Ion Ratio Lower Upper

93 100

66 45.2 67.4 101.0#

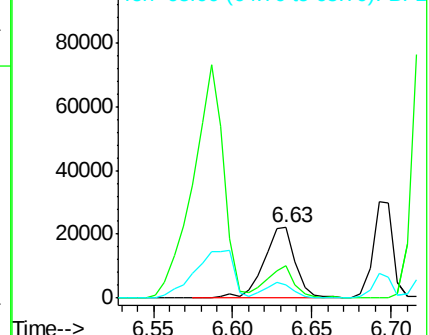
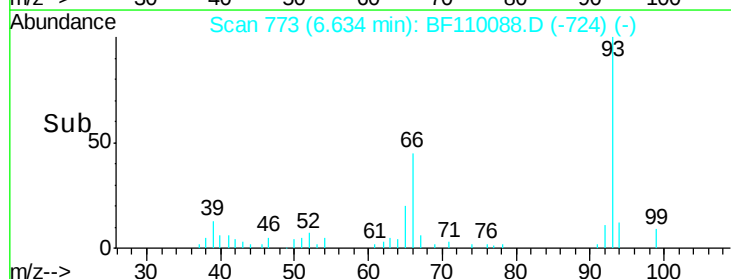
65 19.6 41.0 61.4#

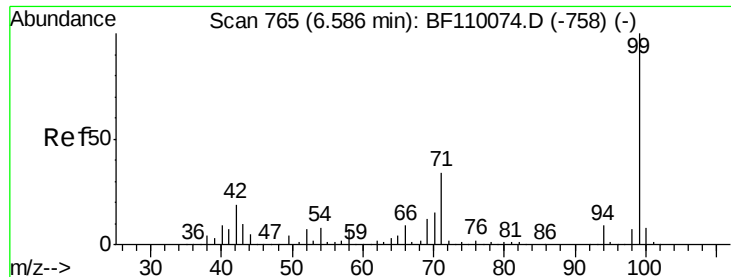


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 126.242 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 99 Resp: 1807573

Ion Ratio Lower Upper

99 100

42 20.0 15.8 23.6

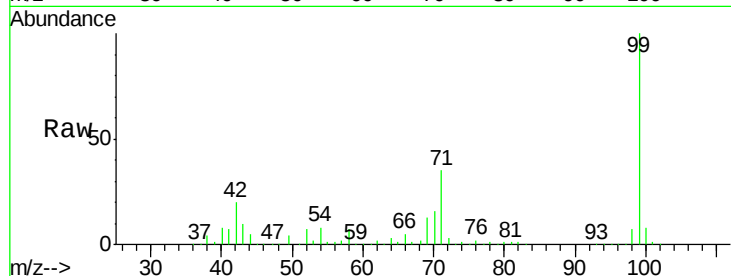
71 35.4 28.0 42.0

Manual Integrations

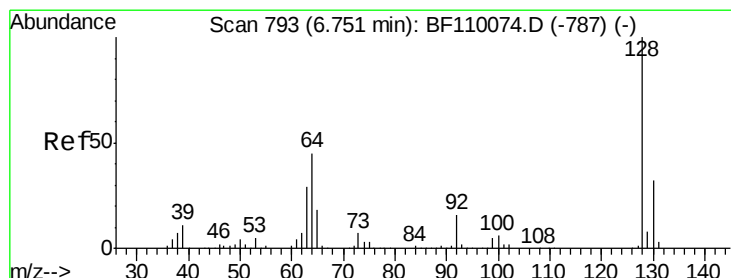
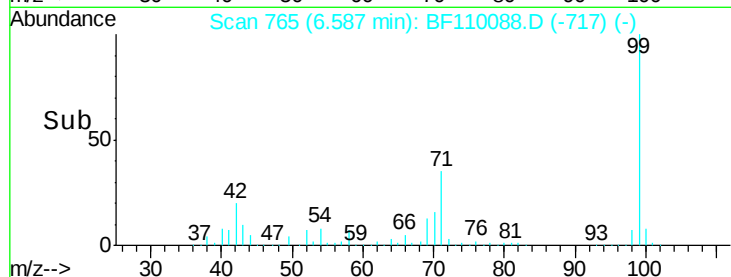
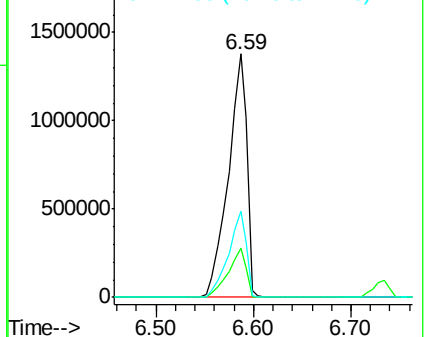
APPROVED

Sohil

10/24/2018 5:12:03 PM



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



#8

2-Chlorophenol

Concen: 2.177 ng

RT: 6.75 min Scan# 792

Delta R.T. -0.02 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

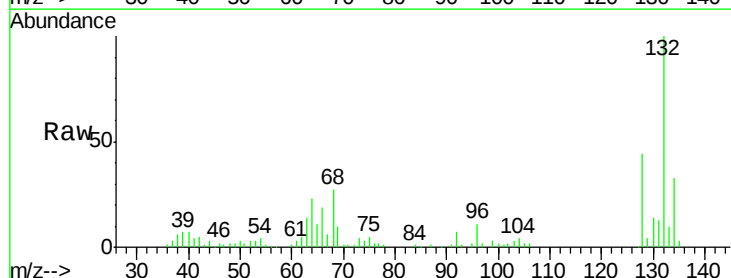
Tgt Ion: 128 Resp: 28097

Ion Ratio Lower Upper

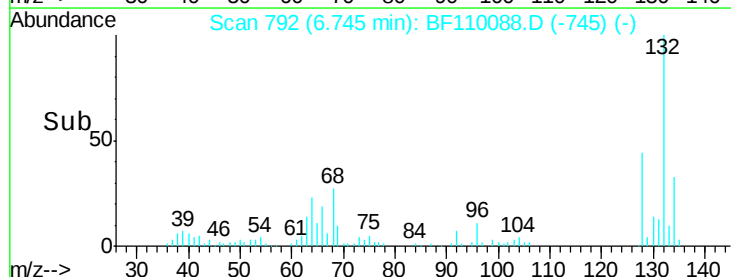
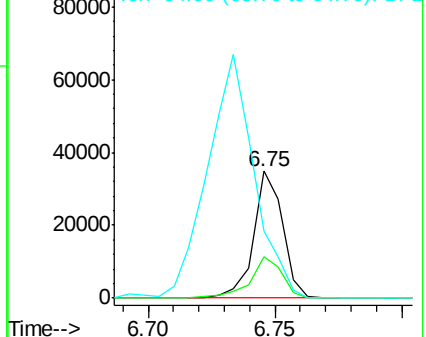
128 100

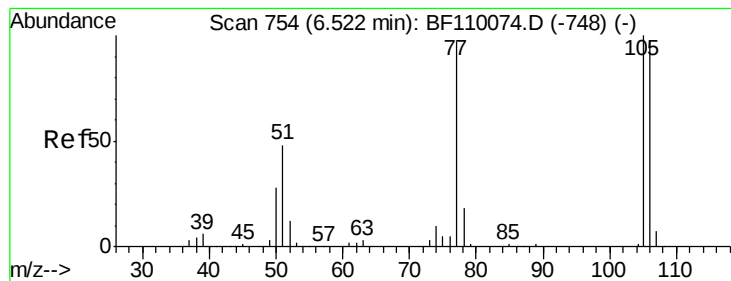
130 32.7 13.1 53.1

64 53.1 26.0 66.0



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: 0.939 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.02 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

Instrument :

BNA_F

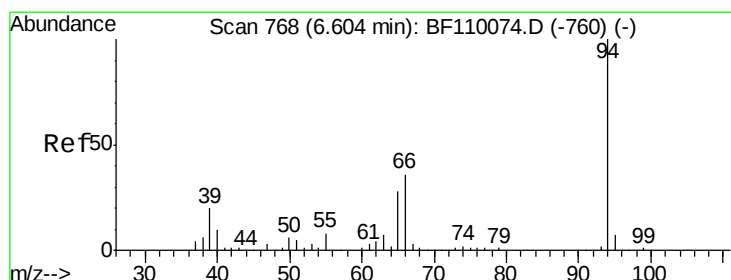
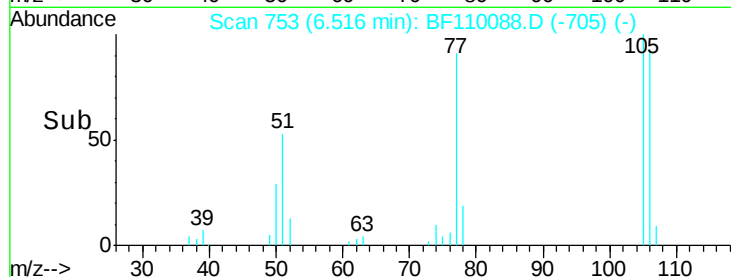
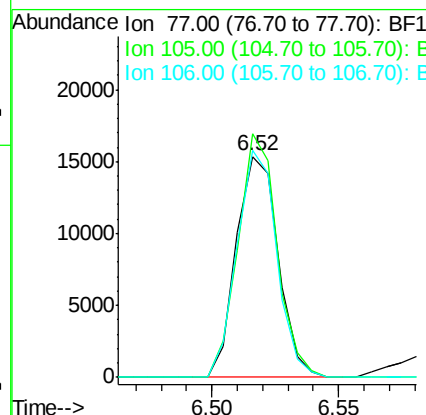
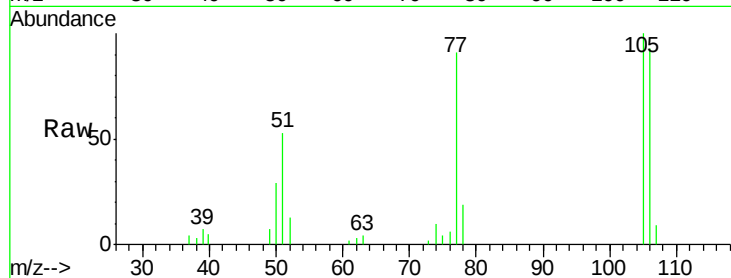
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	77	Resp:	17596
Ion	Ratio	Lower	Upper
77	100		
105	110.3	78.6	118.6
106	103.0	74.8	114.8

Manual Integrations
APPROVED

Sohil
10/24/2018 5:12:03 PM



#10

Phenol

Concen: 2.154 ng

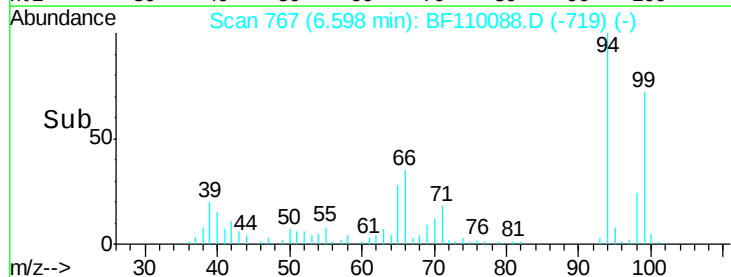
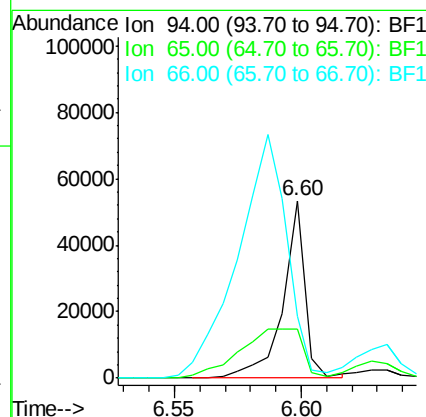
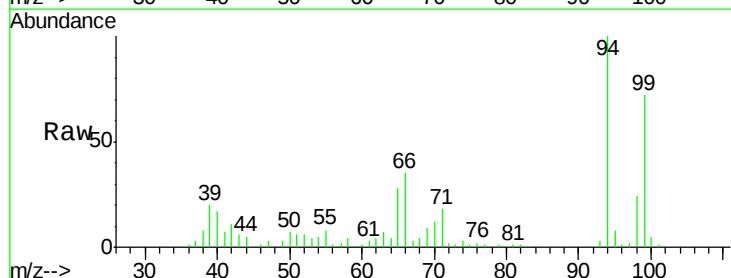
RT: 6.60 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

Tgt Ion:	94	Resp:	32963
Ion	Ratio	Lower	Upper
94	100		
65	27.9	25.3	65.3
66	34.6	54.5	94.5#





#11

bis(2-Chloroethyl)ether

Concen: 2.143 ng

RT: 6.69 min Scan# 783

Delta R.T. -0.02 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

Instrument :

BNA_F

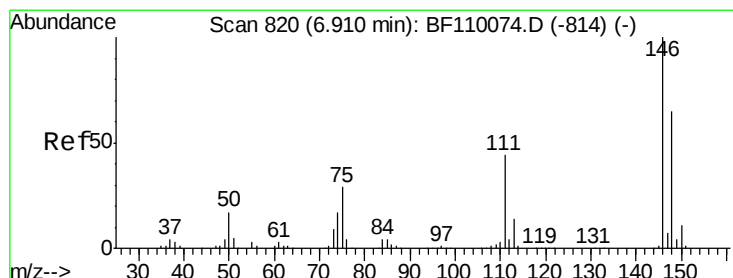
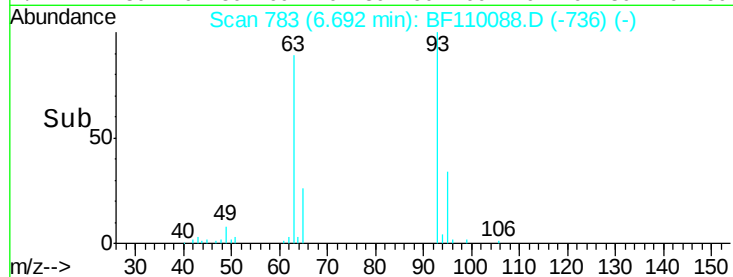
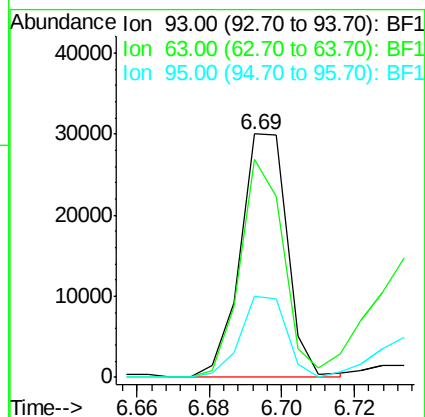
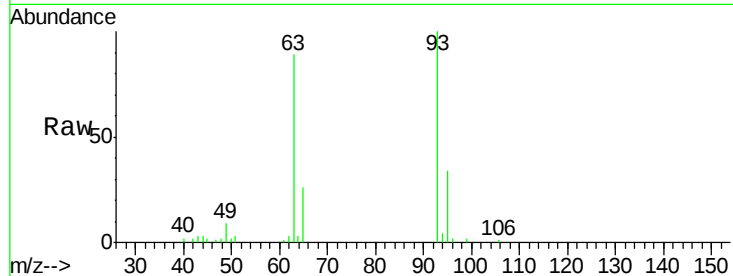
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	93	Resp:	26988
Ion Ratio	Lower	Upper	
93	100		
63	89.4	53.4	93.4
95	33.5	12.1	52.1

Manual Integrations
APPROVED

Sohil
10/24/2018 5:12:03 PM



#12

1,3-Dichlorobenzene

Concen: 2.090 ng

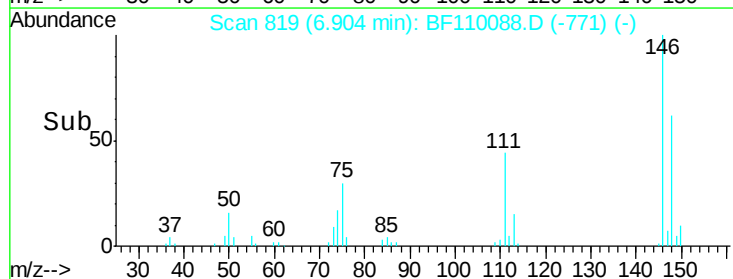
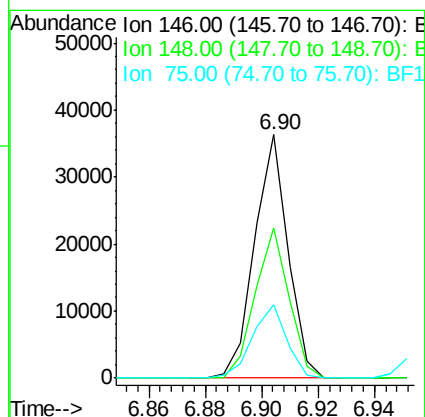
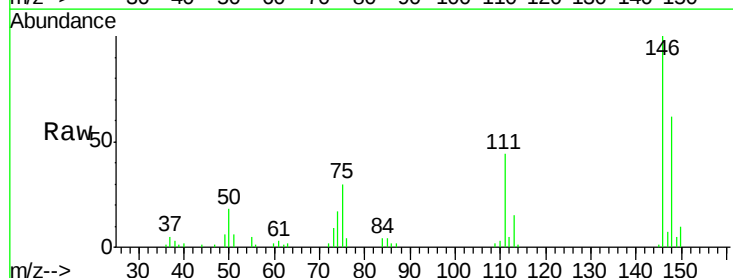
RT: 6.90 min Scan# 819

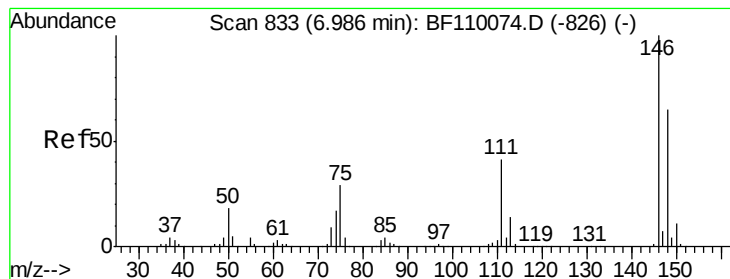
Delta R.T. -0.02 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

Tgt Ion:	146	Resp:	29681
Ion Ratio	Lower	Upper	
146	100		
148	61.7	50.4	75.6
75	30.1	25.8	38.6





#13

1,4-Dichlorobenzene

Concen: 2.116 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.02 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

Instrument :

BNA_F

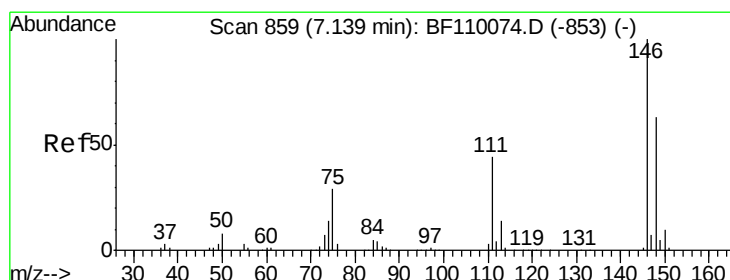
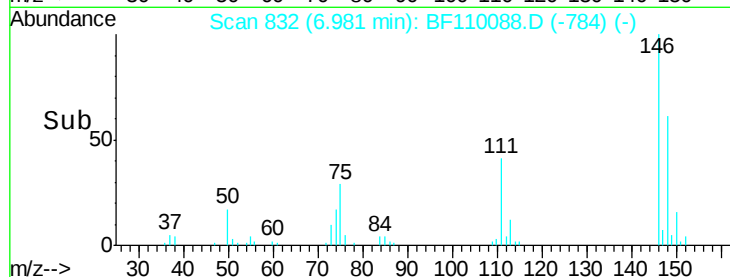
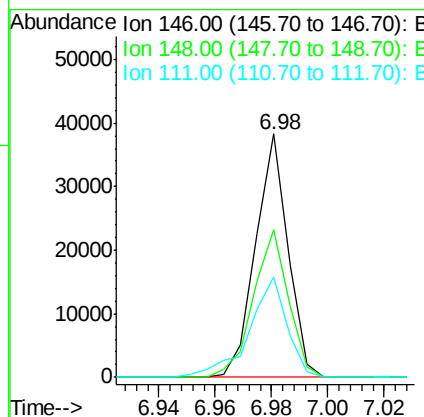
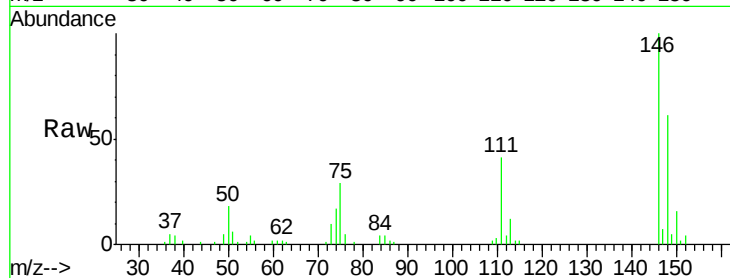
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	146	Resp:	30396
Ion Ratio	Lower	Upper	
146	100		
148	60.5	50.3	75.5
111	41.3	32.7	49.1

Manual Integrations
APPROVED

Sohil
10/24/2018 5:12:03 PM



#14

1,2-Dichlorobenzene

Concen: 2.179 ng

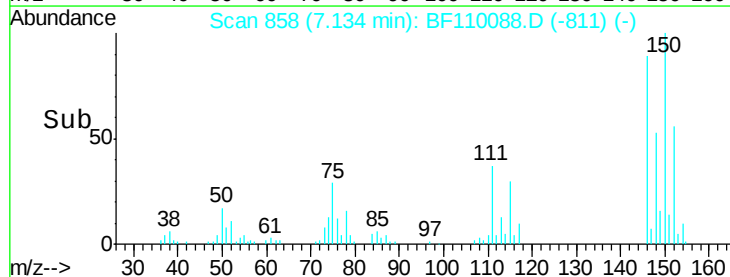
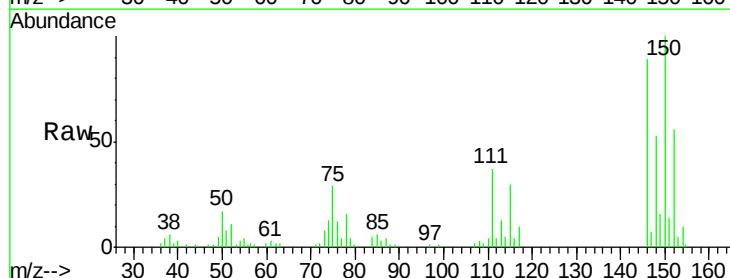
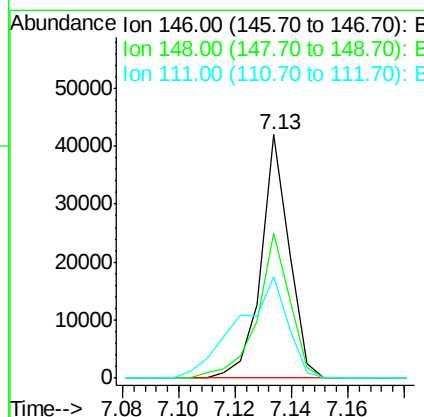
RT: 7.13 min Scan# 858

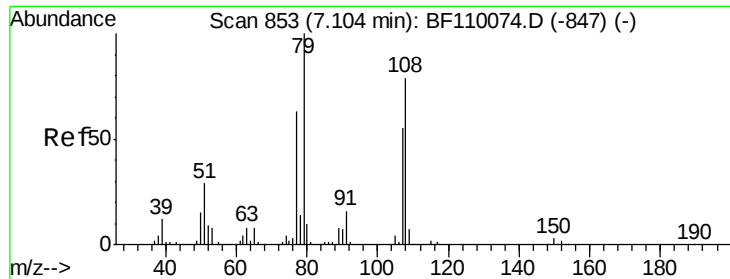
Delta R.T. -0.02 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

Tgt Ion:	146	Resp:	29055
Ion Ratio	Lower	Upper	
146	100		
148	59.8	51.1	76.7
111	41.9	35.8	53.6





#15

Benzyl Alcohol

Concen: 3.364 ng m

RT: 7.12 min Scan# 856

Delta R.T. -0.00 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 79 Resp: 37042

Ion Ratio Lower Upper

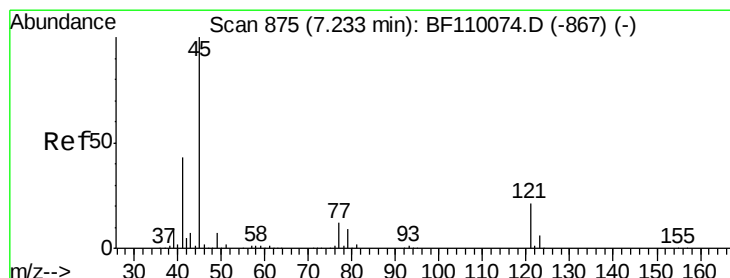
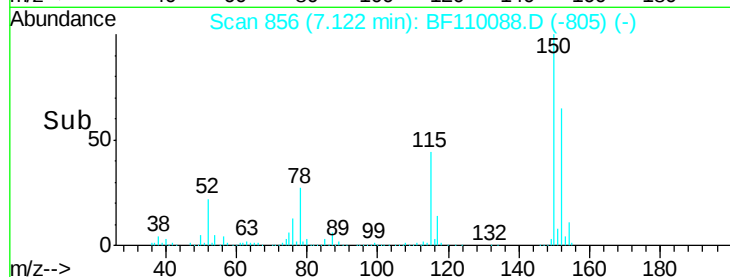
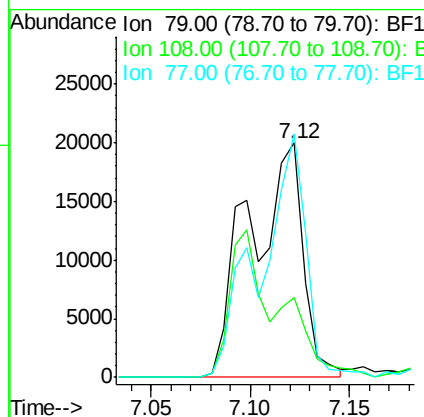
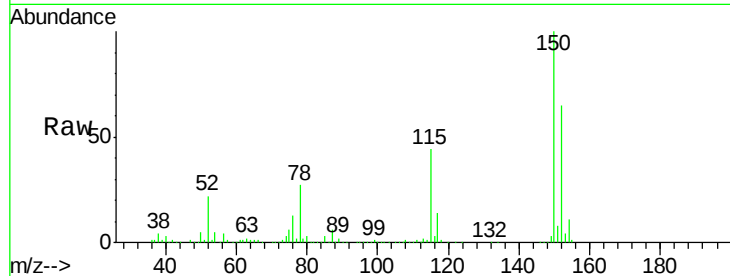
79 100

108 33.9 56.3 84.5#

77 104.0 52.9 79.3#

Manual Integrations
APPROVED

Sohil
10/24/2018 5:12:03 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 2.175 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.02 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

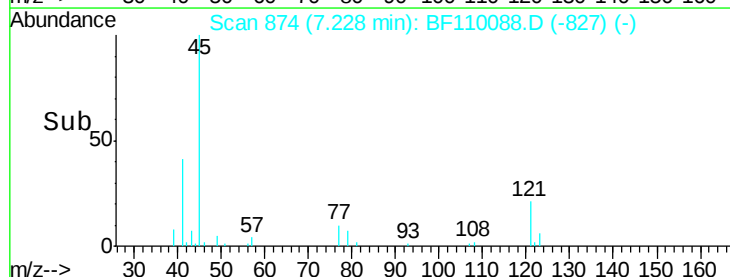
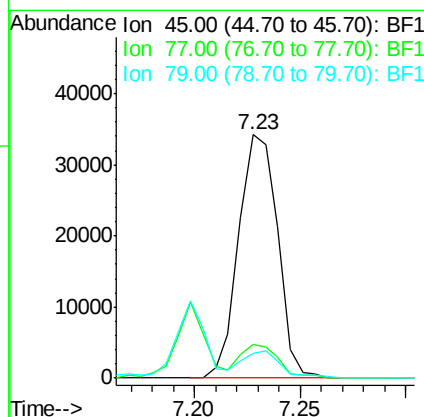
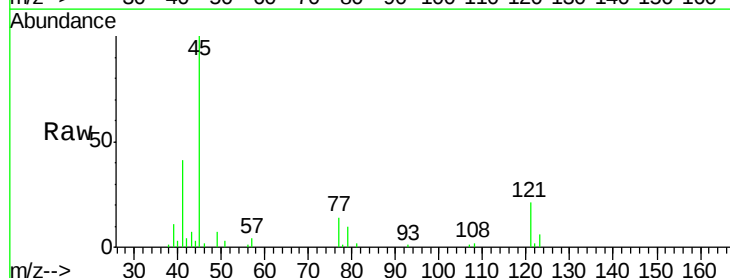
Tgt Ion: 45 Resp: 43789

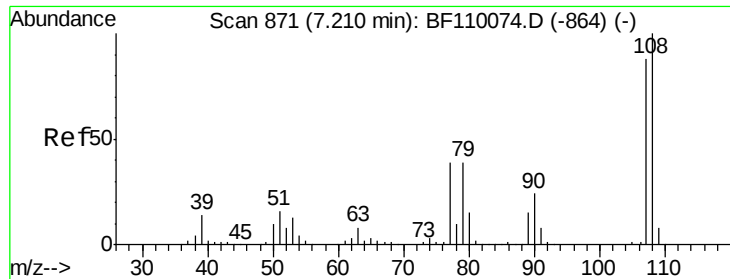
Ion Ratio Lower Upper

45 100

77 13.8 10.0 50.0

79 10.3 6.1 46.1





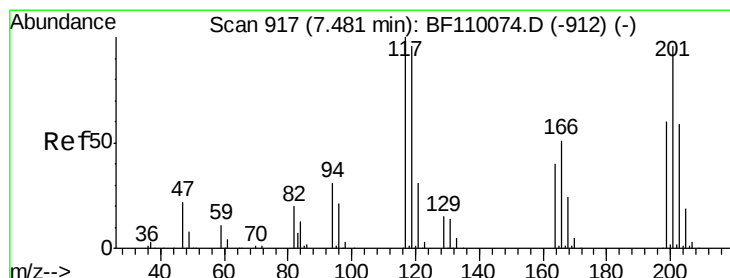
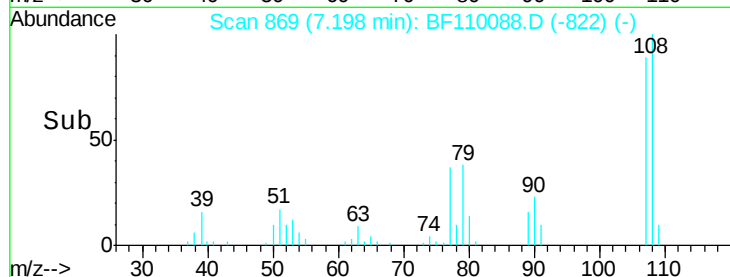
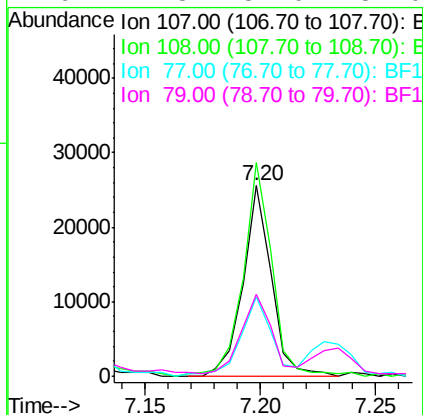
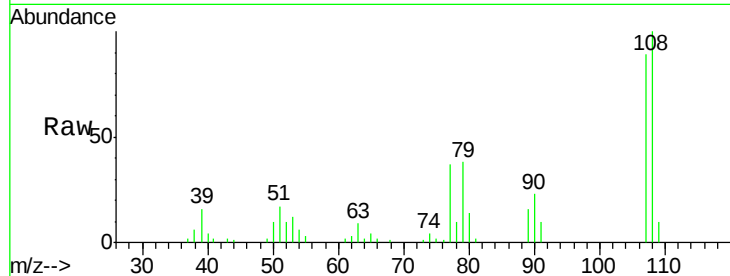
#17
2-Methylphenol
Concen: 2.138 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	21990		
108	112.2	92.6	138.8	
77	41.8	59.4	89.2#	
79	42.8	54.0	81.0#	

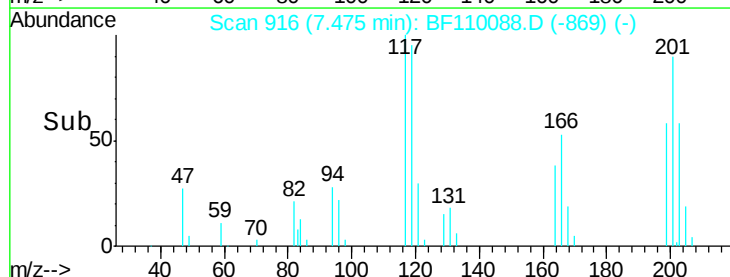
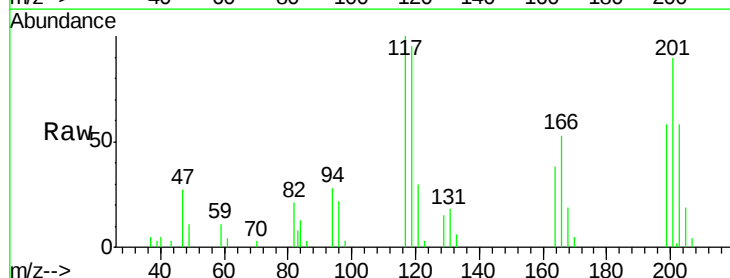
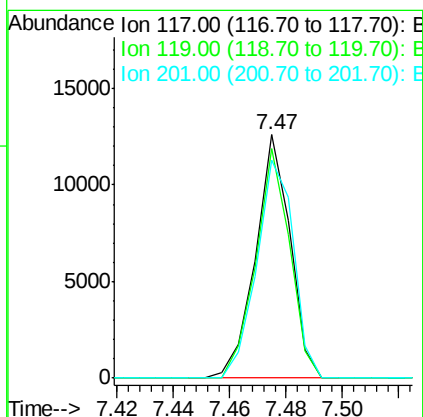
Manual Integrations
APPROVED

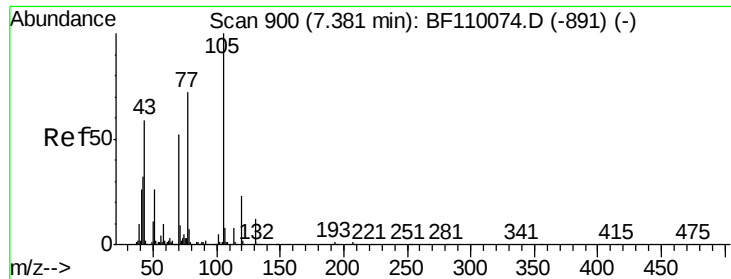
Sohil
10/24/2018 5:12:03 PM



#18
Hexachloroethane
Concen: 2.038 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	10717		
119	94.5	75.0	112.6	
201	89.6	79.2	118.8	





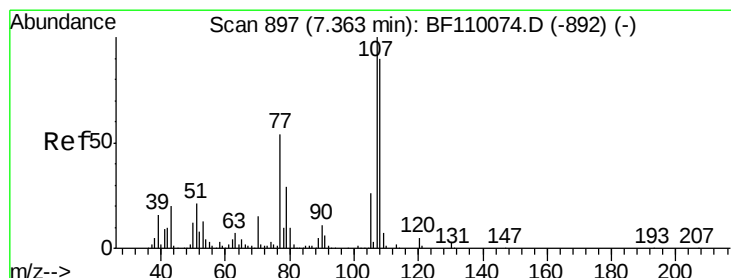
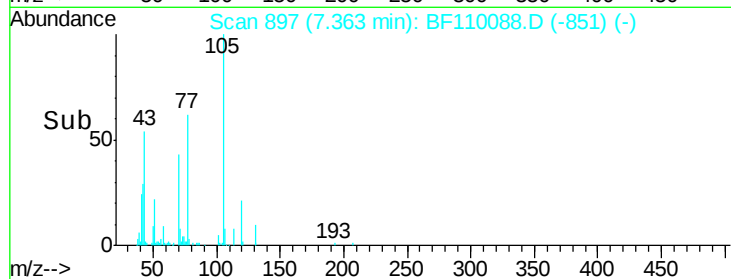
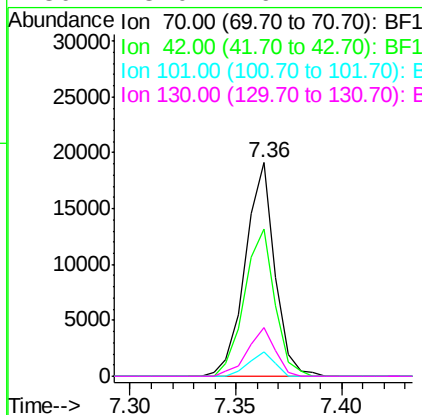
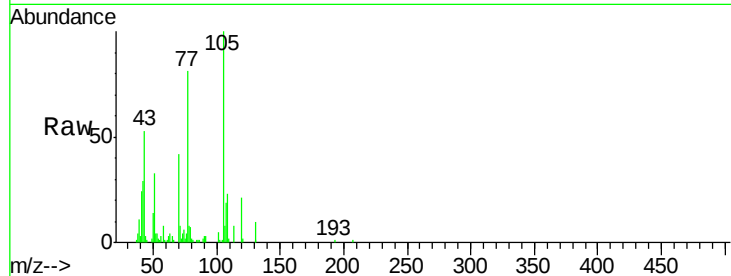
#19
n-Nitroso-di-n-propylamine
Concen: 2.026 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.03 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
70	100		
42	69.1	47.4	71.2
101	11.6	7.3	10.9
130	23.0	16.2	24.2

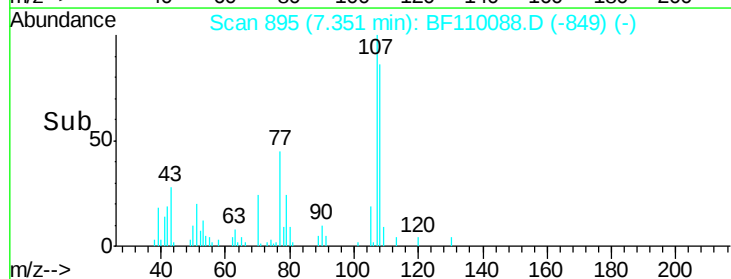
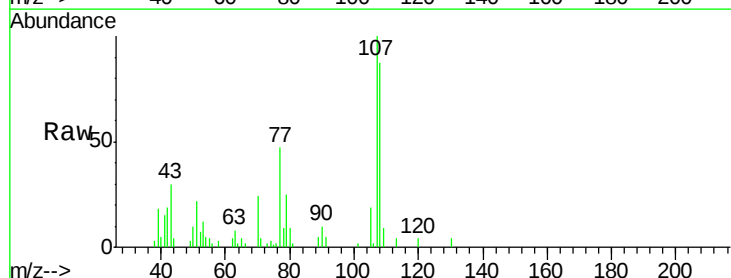
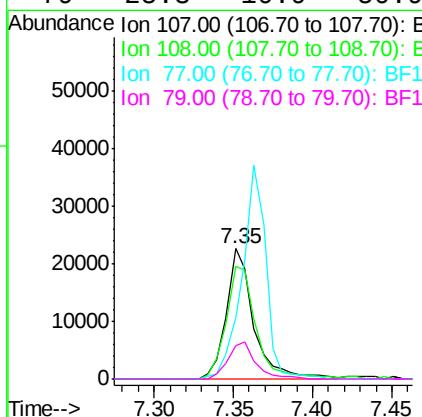
Manual Integrations
APPROVED

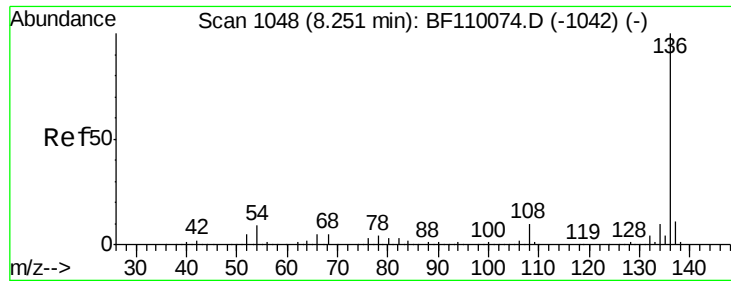
Sohil
10/24/2018 5:12:03 PM



#20
3+4-Methylphenols
Concen: 2.044 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.03 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.0	71.4	111.4
77	47.0	47.3	87.3
79	25.3	10.9	50.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1047

Delta R.T. -0.02 min

Lab File: BF110088.D

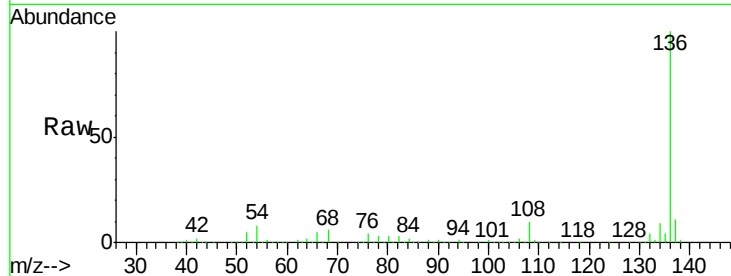
Acq: 23 Oct 2018 20:10

Instrument :

BNA_F

ClientSampleId :

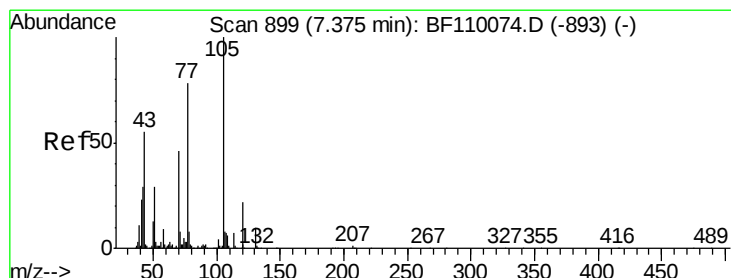
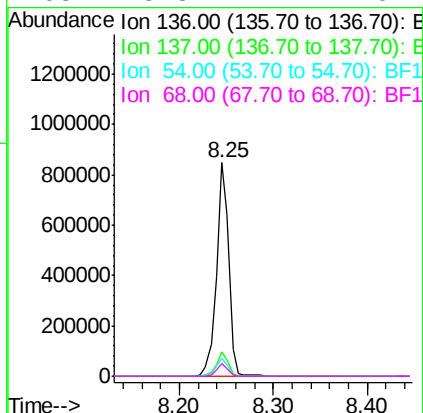
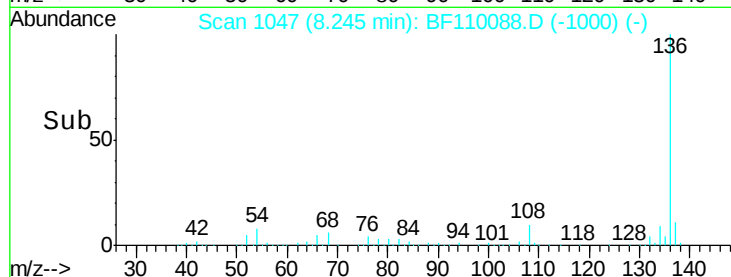
MDL-MDL-SOIL-03-QT4-2018



Tgt Ion	Ratio	Resp	Lower	Upper
136	100	777254		
137	11.1	8.8	13.2	
54	8.3	5.4	8.2	
68	5.8	4.2	6.2	

Manual Integrations
APPROVED

Sohil
10/24/2018 5:12:03 PM



#22

Acetophenone

Concen: 2.203 ng

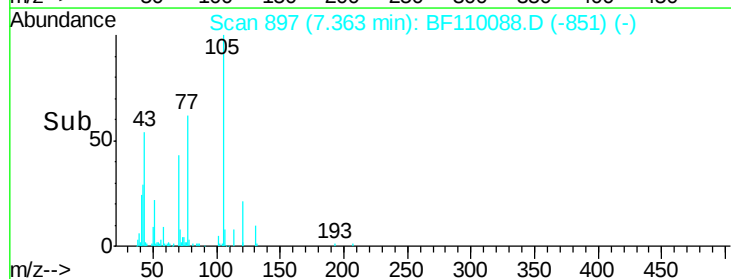
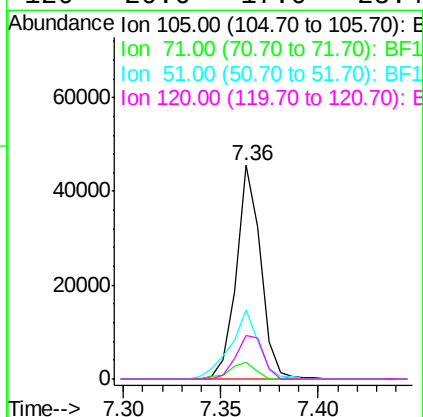
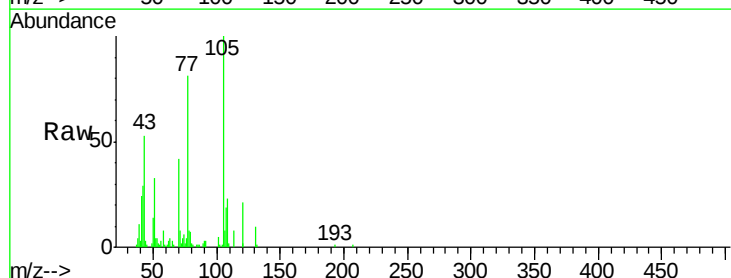
RT: 7.36 min Scan# 897

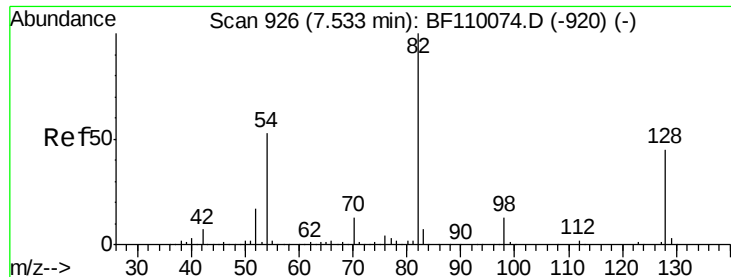
Delta R.T. -0.03 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	39460		
71	7.8	5.2	7.8	
51	32.6	21.8	32.8	
120	20.6	17.0	25.4	





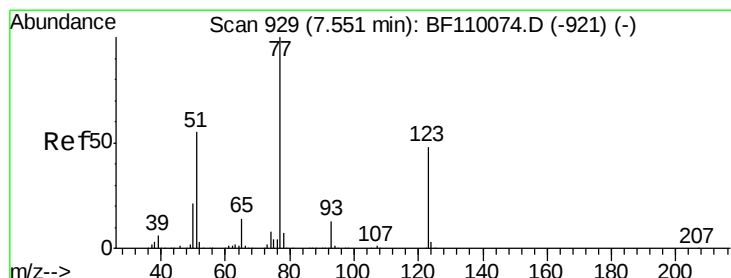
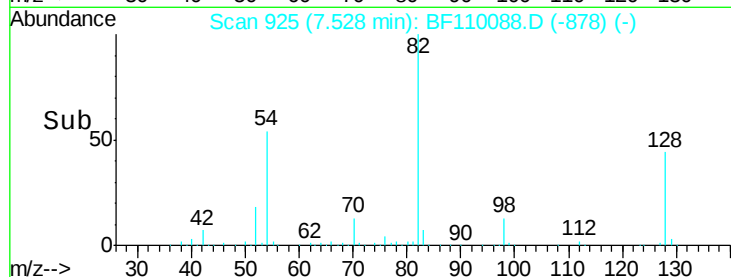
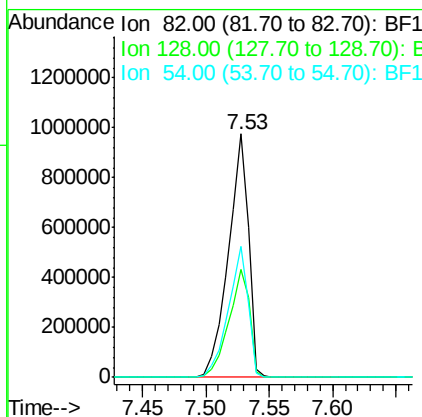
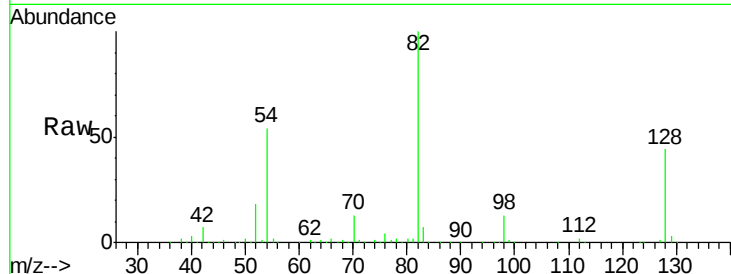
#23
 Nitrobenzene-d5
 Concen: 81.131 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 82 Resp: 1063163
 Ion Ratio Lower Upper
 82 100
 128 44.4 34.2 51.2
 54 53.9 38.6 58.0

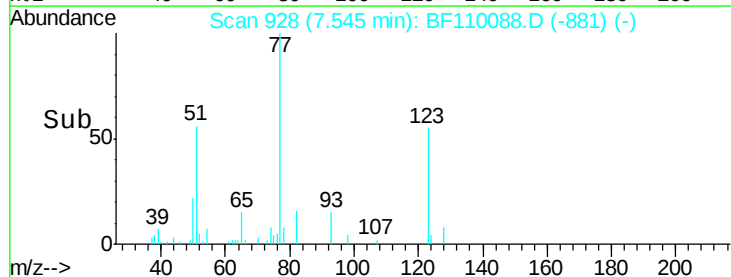
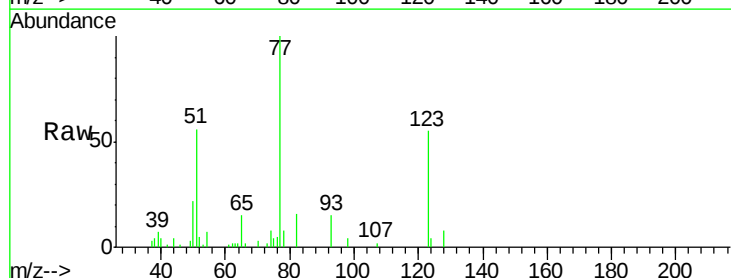
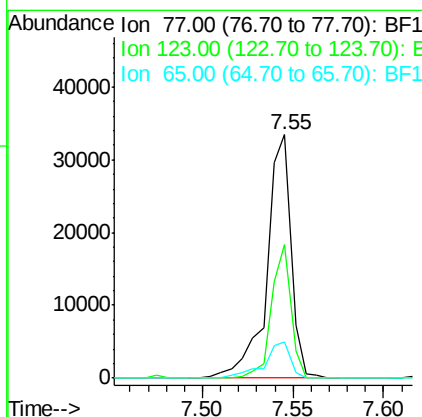
Manual Integrations
 APPROVED

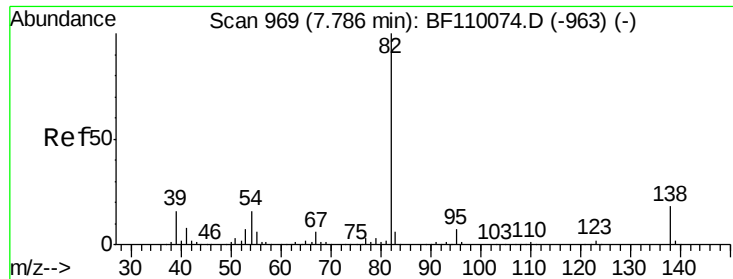
Sohil
 10/24/2018 5:12:03 PM



#24
 Nitrobenzene
 Concen: 2.312 ng
 RT: 7.55 min Scan# 928
 Delta R.T. -0.02 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Tgt Ion: 77 Resp: 31279
 Ion Ratio Lower Upper
 77 100
 123 54.6 35.7 53.5#
 65 14.7 10.7 16.1





#25

Isophorone

Concen: 2.388 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.03 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

Instrument :

BNA_F

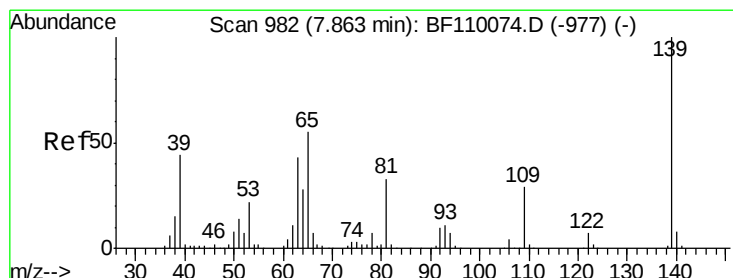
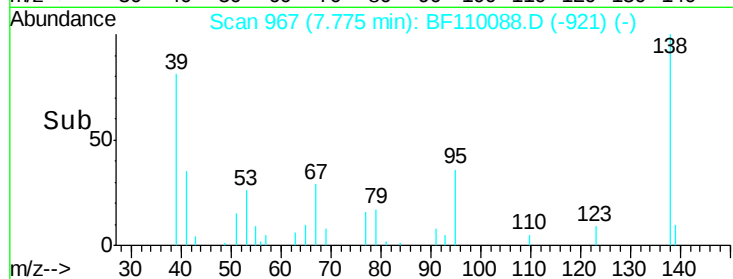
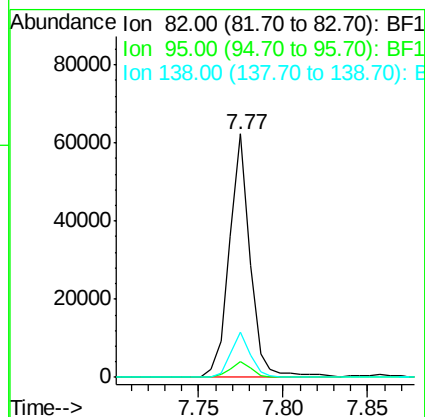
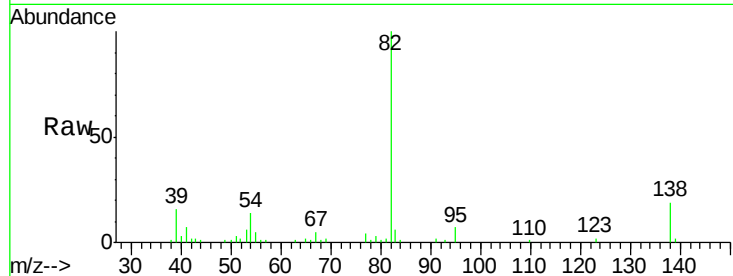
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	82	Resp:	53345
Ion Ratio	Lower	Upper	
82	100		
95	6.6	5.7	8.5
138	18.5	13.2	19.8

Manual Integrations
APPROVED

Sohil
10/24/2018 5:12:03 PM



#26

2-Nitrophenol

Concen: 1.811 ng

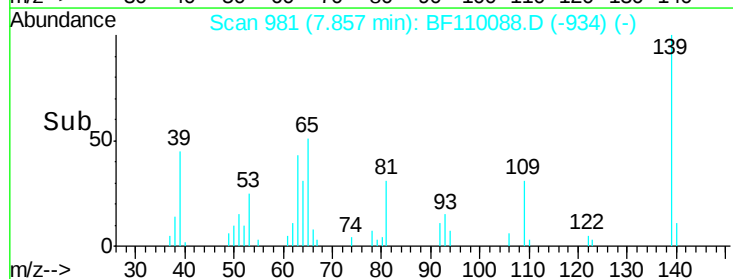
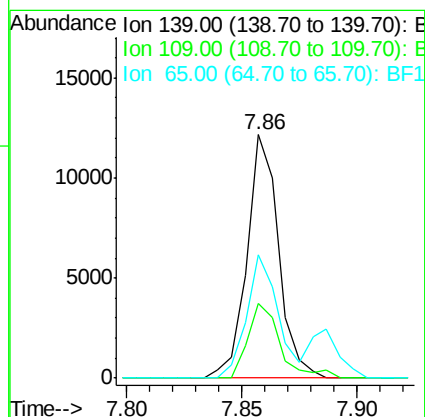
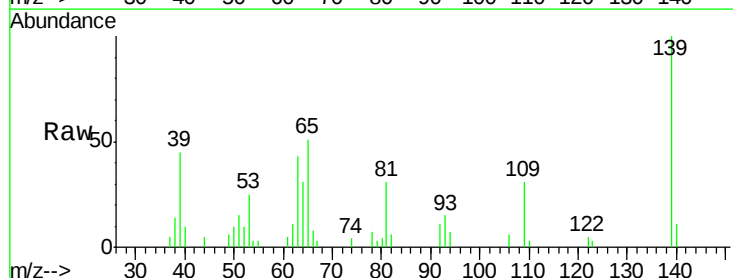
RT: 7.86 min Scan# 981

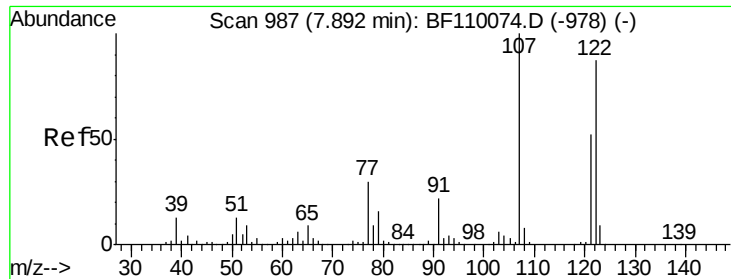
Delta R.T. -0.02 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

Tgt Ion:	139	Resp:	11657
Ion Ratio	Lower	Upper	
139	100		
109	30.7	25.0	37.6
65	50.9	44.0	66.0





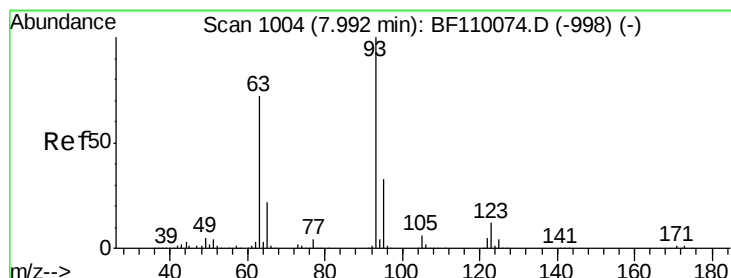
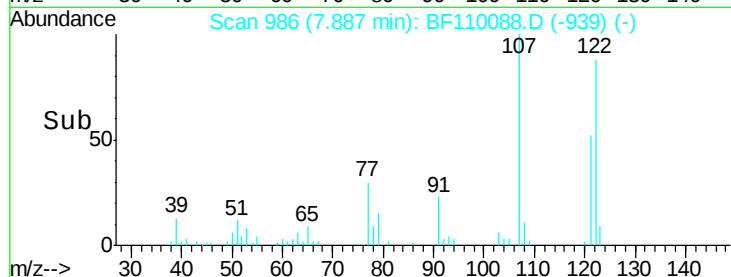
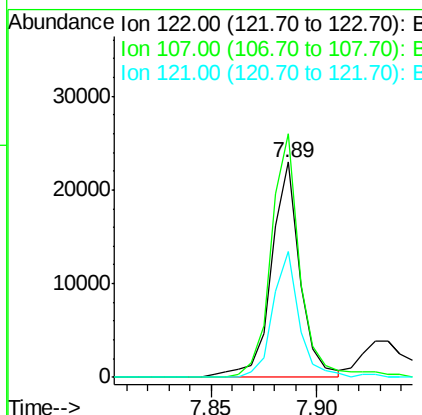
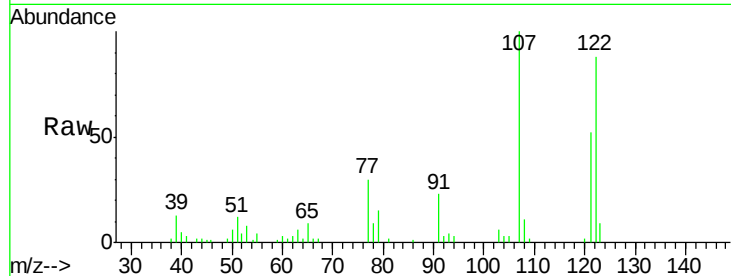
#27
 2,4-Dimethylphenol
 Concen: 2.035 ng
 RT: 7.89 min Scan# 986
 Delta R.T. -0.02 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
122	100		
107	113.3	92.5	138.7
121	58.6	45.8	68.8

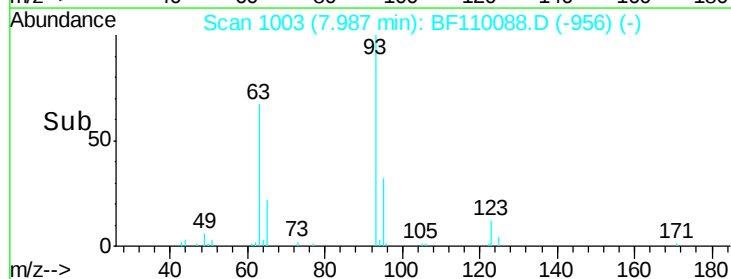
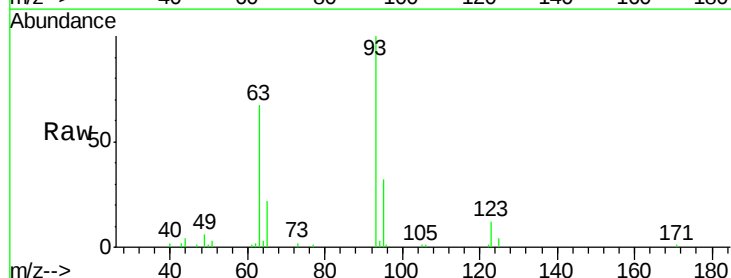
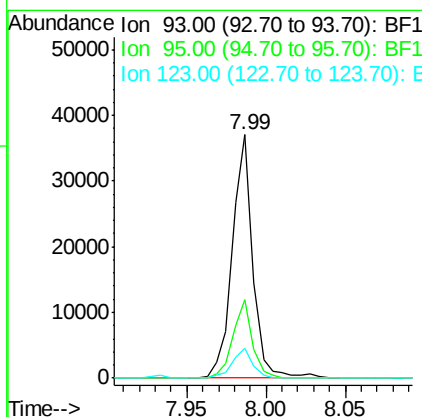
Manual Integrations
 APPROVED

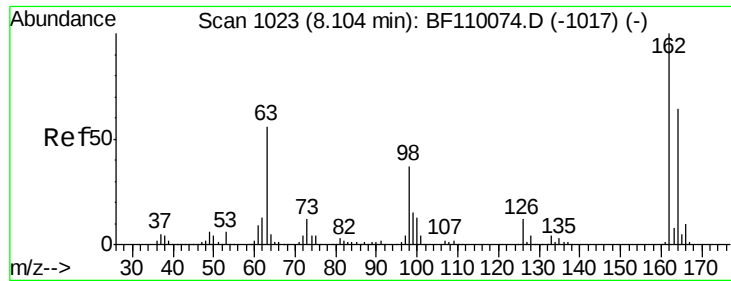
Sohil
 10/24/2018 5:12:03 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 2.198 ng
 RT: 7.99 min Scan# 1003
 Delta R.T. -0.02 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.4	39.6
123	12.1	9.0	13.6





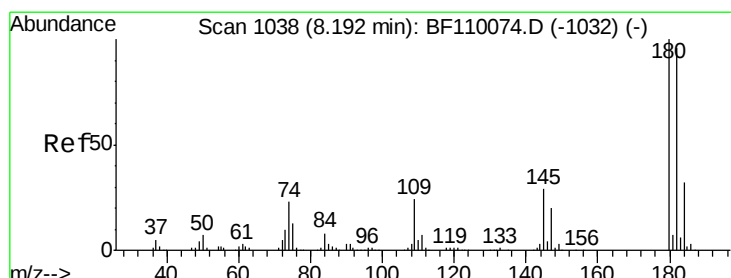
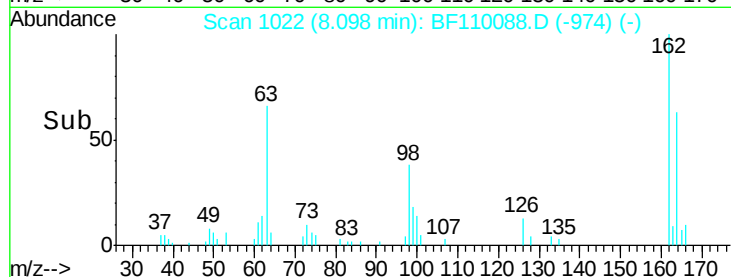
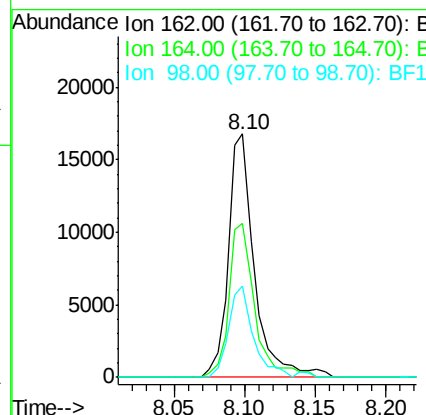
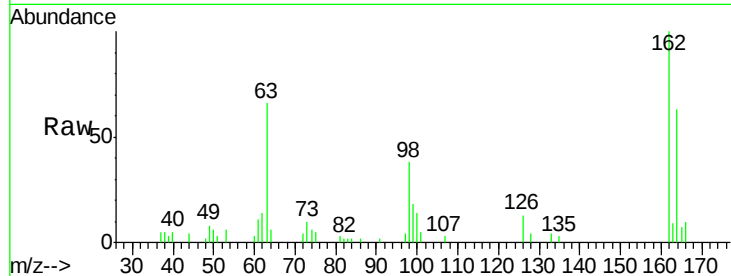
#29
2,4-Dichlorophenol
Concen: 1.993 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	21493		
164	63.4	44.6	84.6	
98	37.7	17.4	57.4	

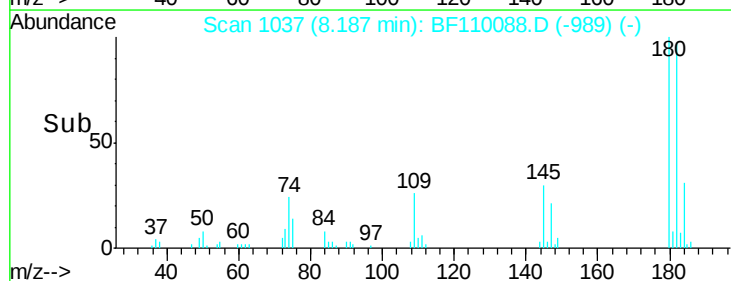
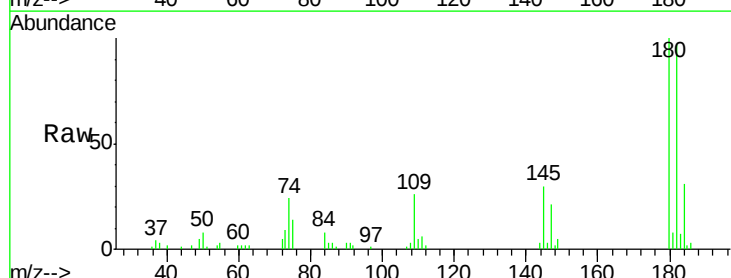
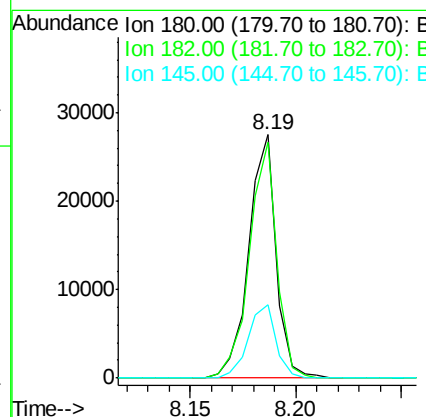
Manual Integrations
APPROVED

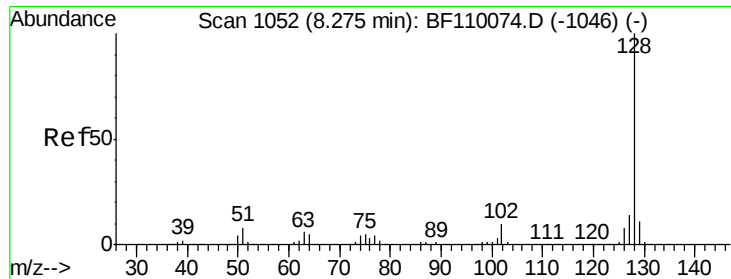
Sohil
10/24/2018 5:12:03 PM



#30
1,2,4-Trichlorobenzene
Concen: 2.039 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	24635		
182	96.7	80.3	120.5	
145	30.2	25.4	38.0	





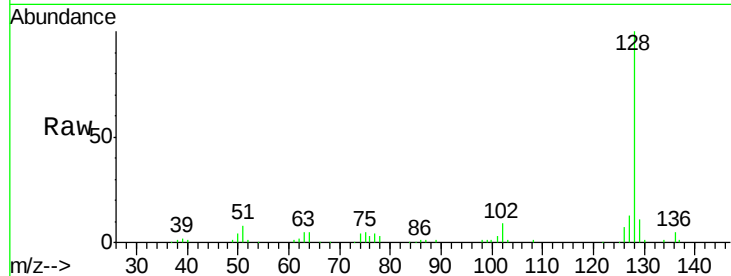
#31
Naphthalene
Concen: 2.403 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

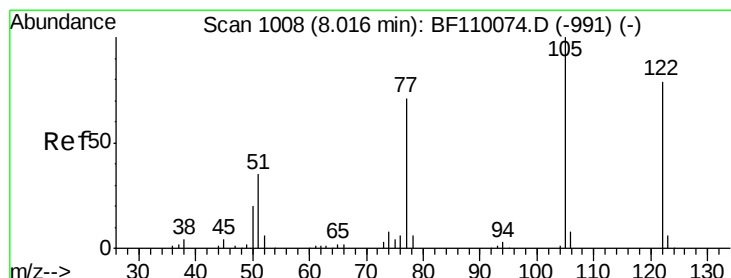
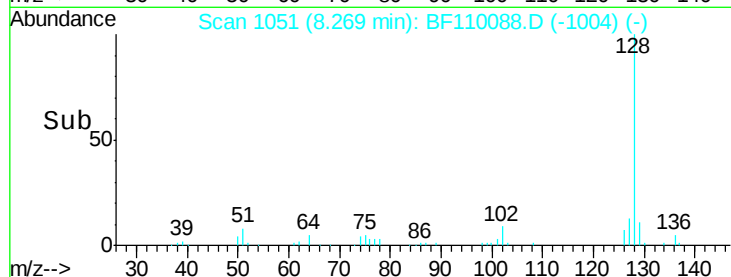
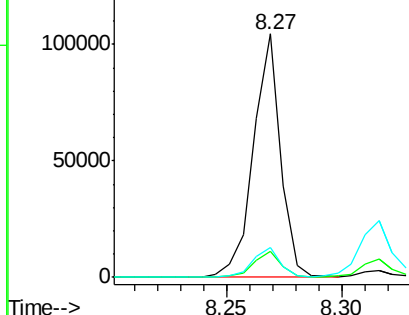
Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	10.7	8.8	13.2
127	12.5	10.8	16.2

Manual Integrations
APPROVED

Sohil
10/24/2018 5:12:03 PM



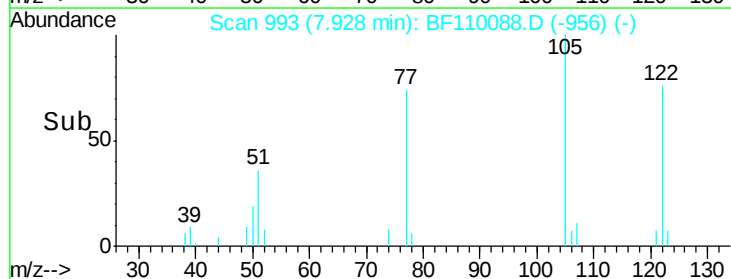
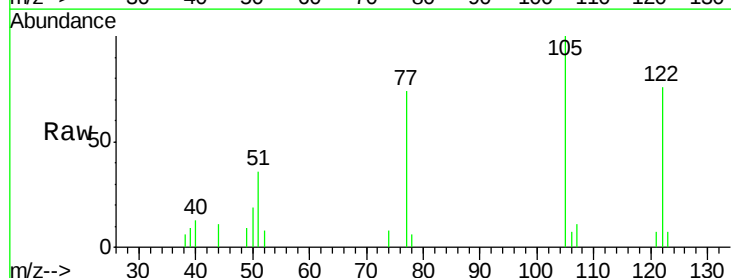
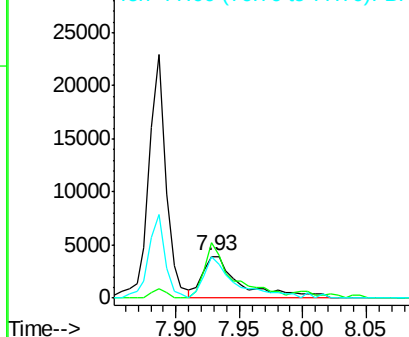
Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 1.016 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.08 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
122	100		
105	131.9	109.0	149.0
77	98.0	79.0	119.0

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





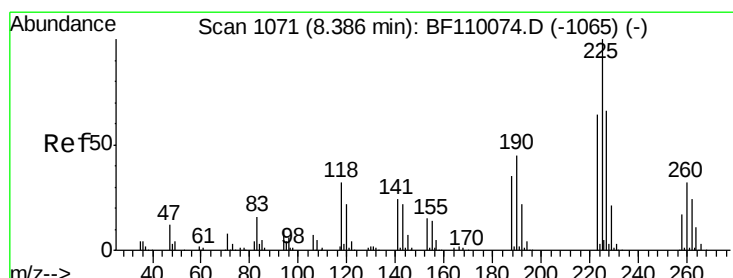
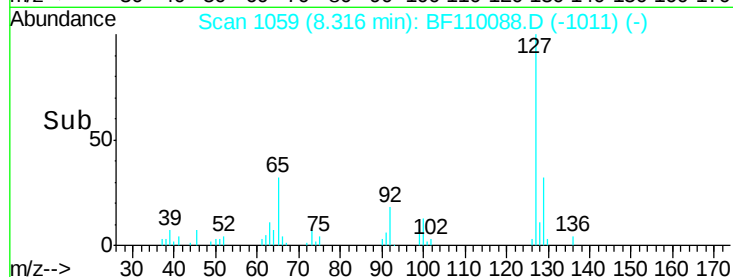
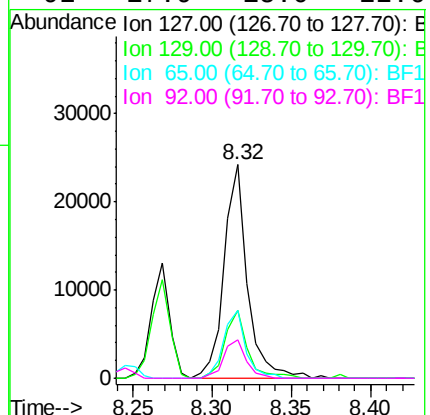
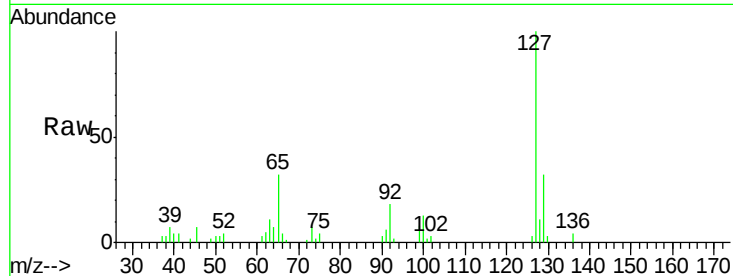
#33
4-Chloroaniline
Concen: 1.538 ng
RT: 8.32 min Scan# 1059
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	24799		
129	31.6	26.0	39.0	
65	31.6	25.1	37.7	
92	17.9	15.0	22.6	

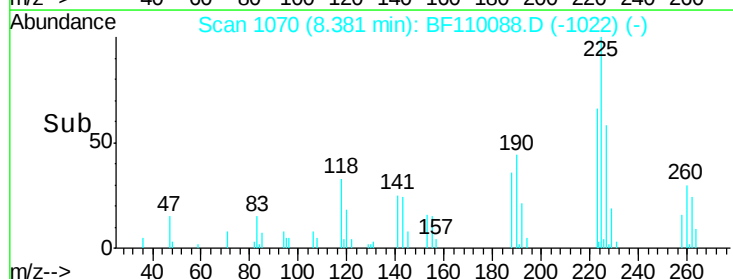
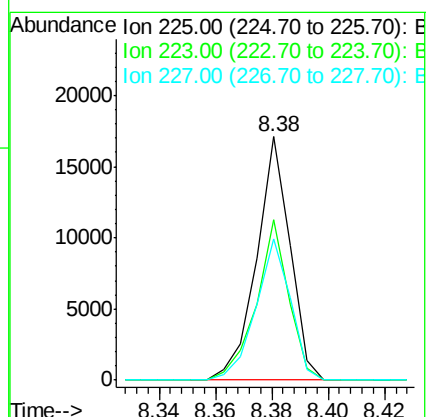
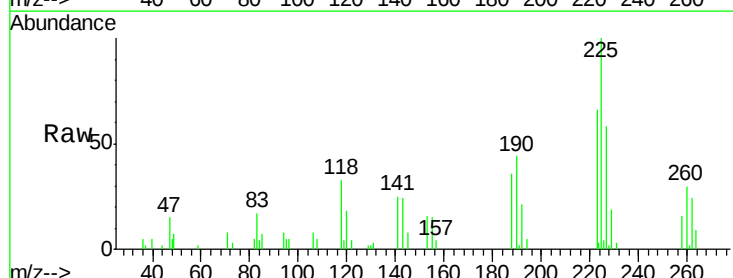
Manual Integrations
APPROVED

Sohil
10/24/2018 5:12:03 PM



#34
Hexachlorobutadiene
Concen: 2.098 ng
RT: 8.38 min Scan# 1070
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	14074		
223	63.5	51.4	77.2	
227	55.9	51.0	76.6	





#35

Caprolactam

Concen: 1.695 ng

RT: 8.65 min Scan# 1115

Delta R.T. -0.06 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

Instrument :

BNA_F

ClientSampleId :

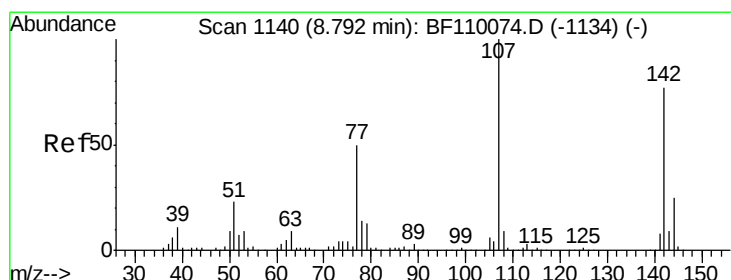
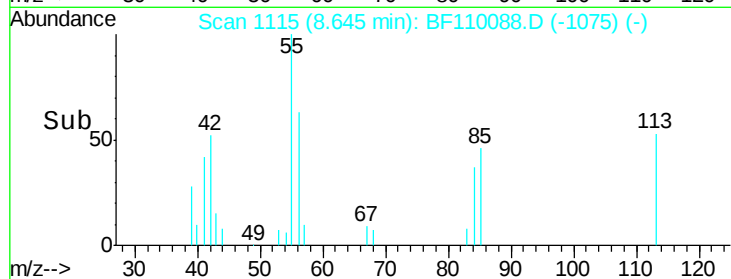
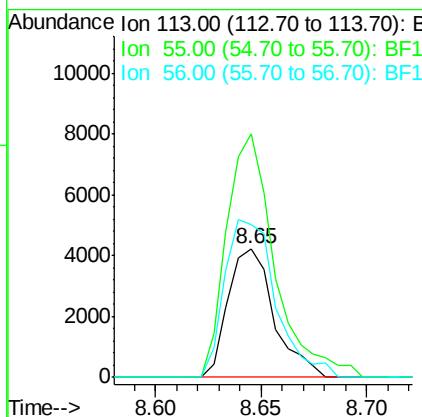
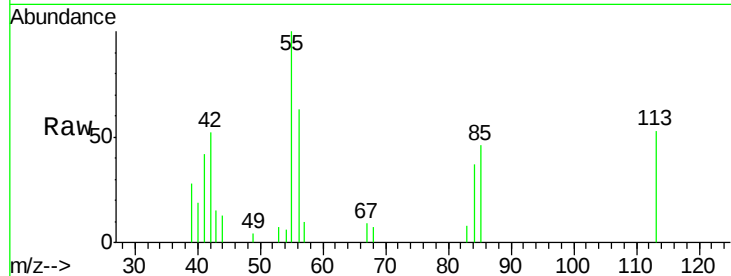
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:113 Resp: 6372

Ion	Ratio	Lower	Upper
113	100		
55	189.2	142.8	182.8#
56	119.0	105.0	145.0

Manual Integrations
APPROVED

Sohil
10/24/2018 5:12:03 PM



#36

4-Chloro-3-methylphenol

Concen: 2.010 ng

RT: 8.78 min Scan# 1138

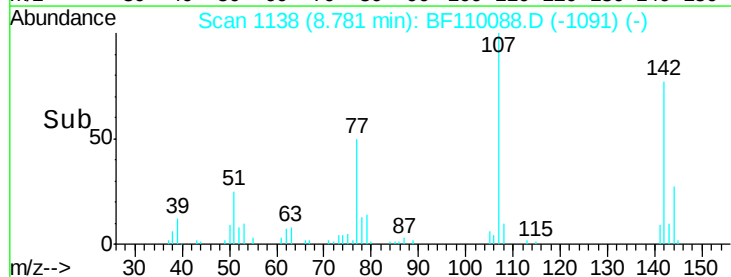
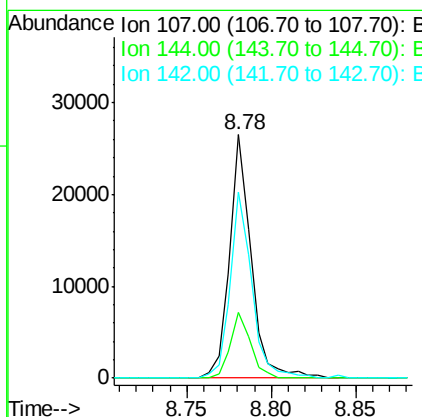
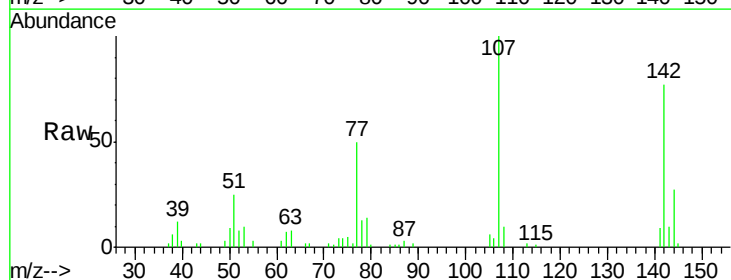
Delta R.T. -0.02 min

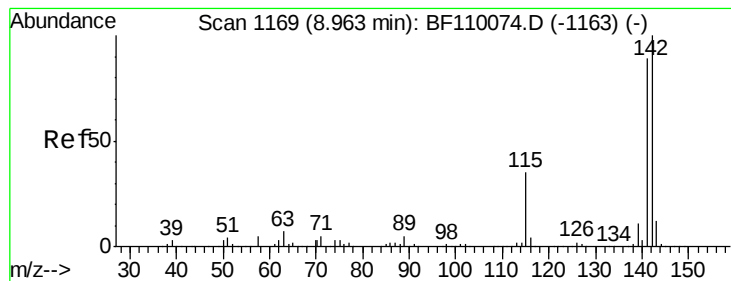
Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

Tgt Ion:107 Resp: 23440

Ion	Ratio	Lower	Upper
107	100		
144	26.8	20.0	30.0
142	76.5	59.7	89.5





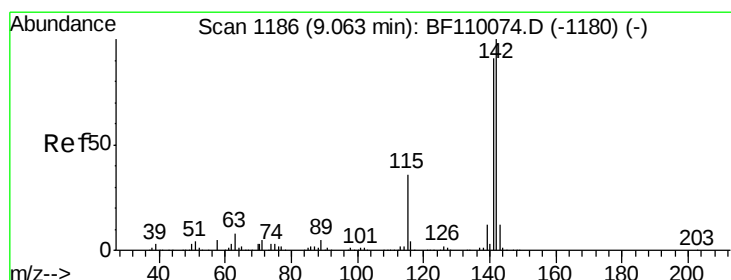
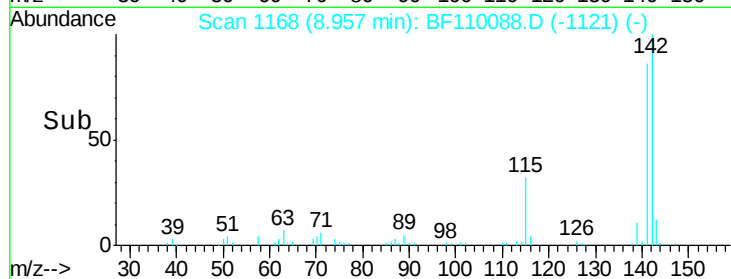
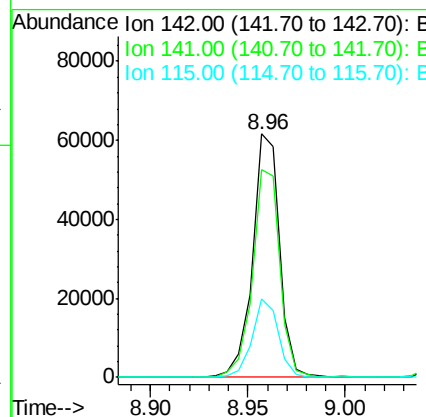
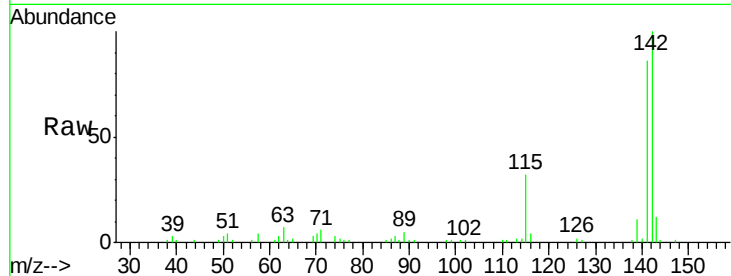
#37
 2-Methylnaphthalene
 Concen: 2.489 ng
 RT: 8.96 min Scan# 1168
 Delta R.T. -0.02 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.6	71.4	107.2
115	32.3	28.7	43.1

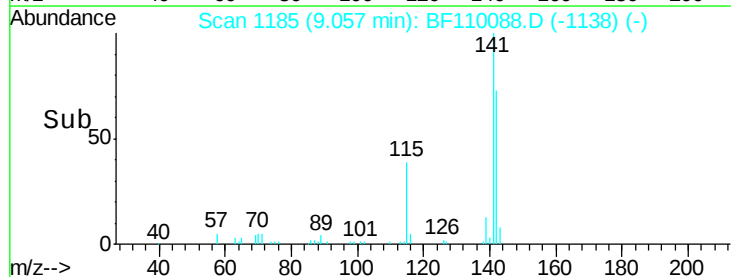
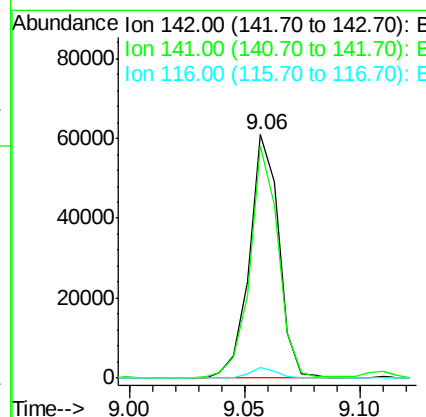
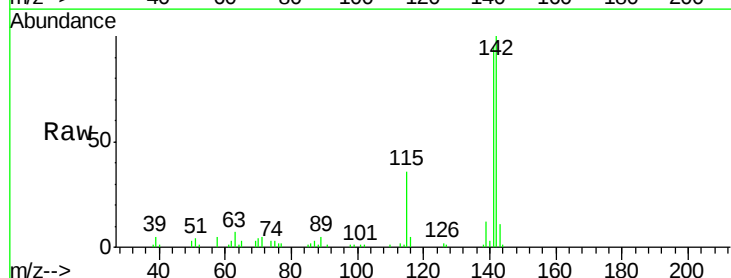
Manual Integrations
 APPROVED

Sohil
 10/24/2018 5:12:03 PM



#38
 1-Methylnaphthalene
 Concen: 2.382 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.4	74.2	111.4
116	4.6	2.6	4.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1346

Delta R.T. -0.02 min

Lab File: BF110088.D

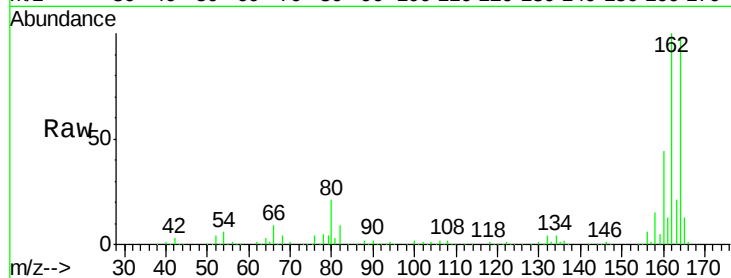
Acq: 23 Oct 2018 20:10

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018



Tgt Ion:164 Resp: 381521

Ion Ratio Lower Upper

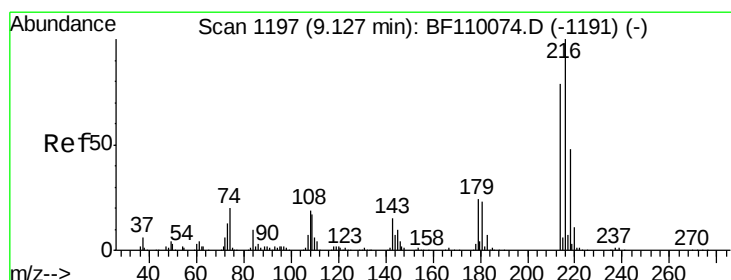
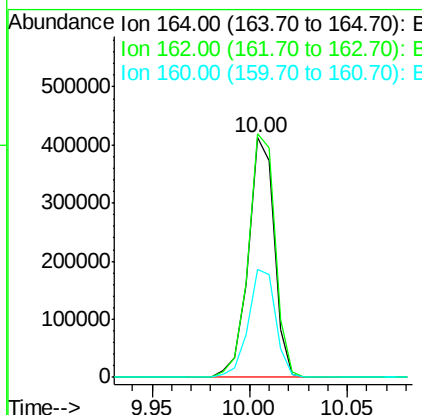
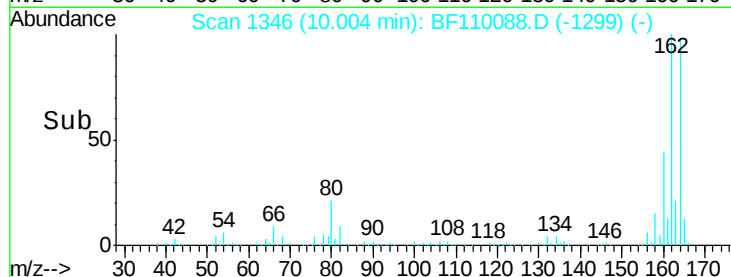
164 100

162 101.7 83.0 124.6

160 45.0 37.0 55.6

Manual Integrations
APPROVED

Sohil
10/24/2018 5:12:03 PM



#40

1,2,4,5-Tetrachlorobenzene

Concen: 2.015 ng

RT: 9.12 min Scan# 1196

Delta R.T. -0.02 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

Tgt Ion:216 Resp: 23951

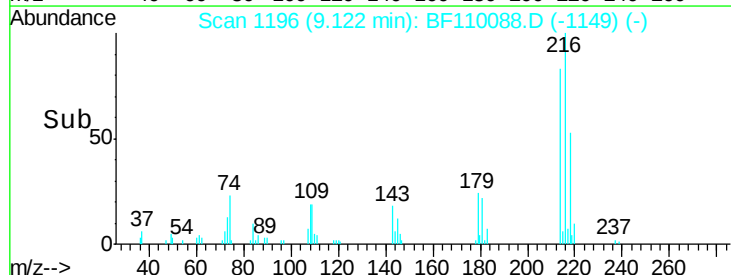
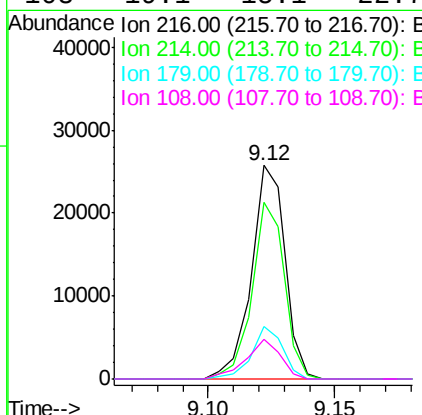
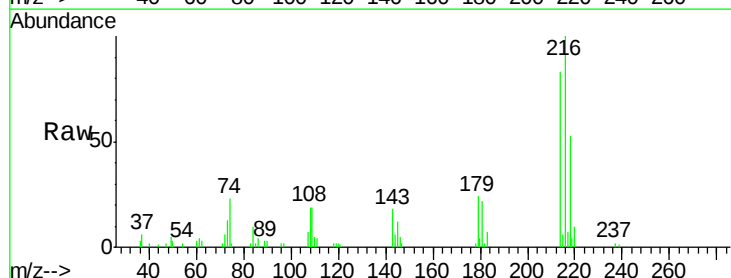
Ion Ratio Lower Upper

216 100

214 79.1 63.8 95.6

179 22.4 16.6 25.0

108 19.1 15.1 22.7





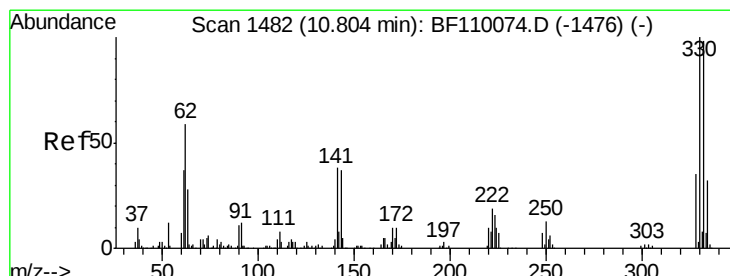
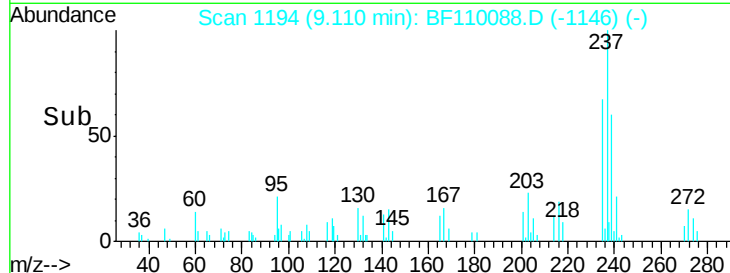
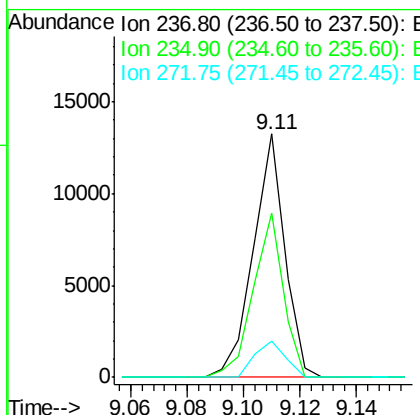
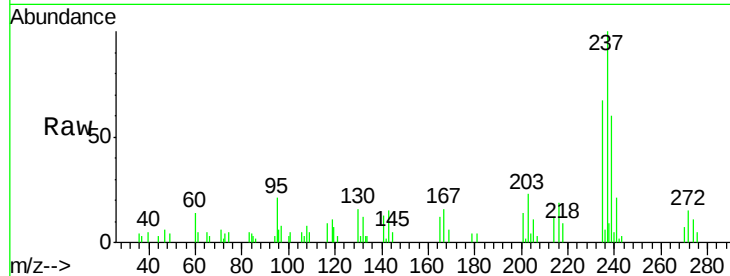
#41
Hexachlorocyclopentadiene
Concen: 1.690 ng
RT: 9.11 min Scan# 1194
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp Lower	Resp Upper
237	100		
235	67.4	43.1	83.1
272	14.8	0.0	32.6

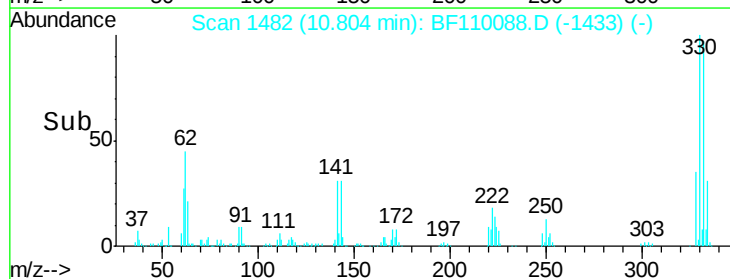
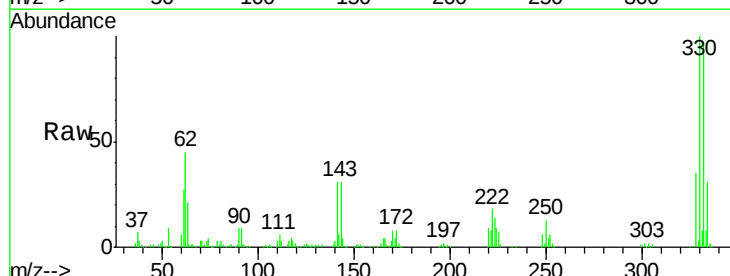
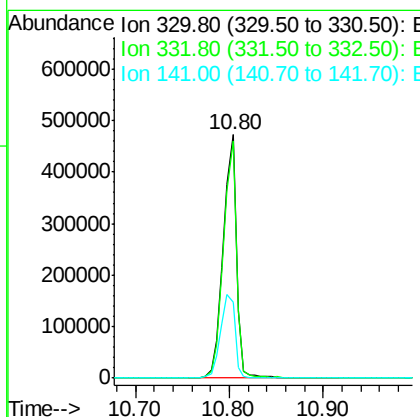
Manual Integrations
APPROVED

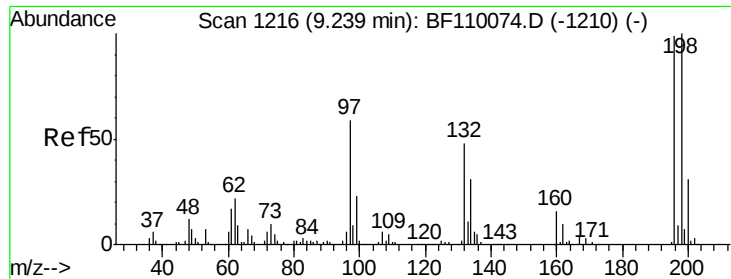
Sohil
10/24/2018 5:12:03 PM



#42
2,4,6-Tribromophenol
Concen: 124.435 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	96.8	77.1	115.7
141	37.5	27.0	40.4





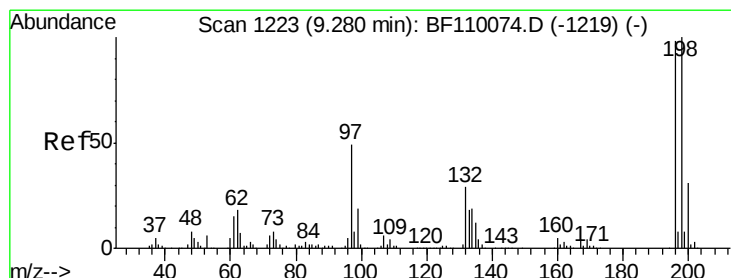
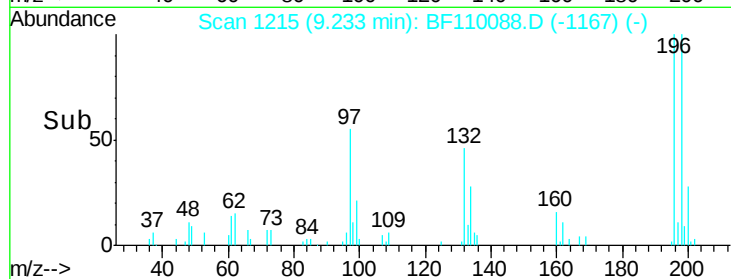
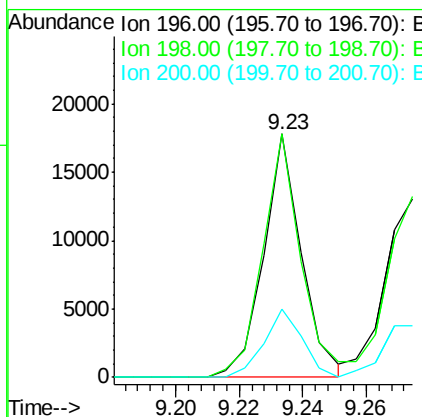
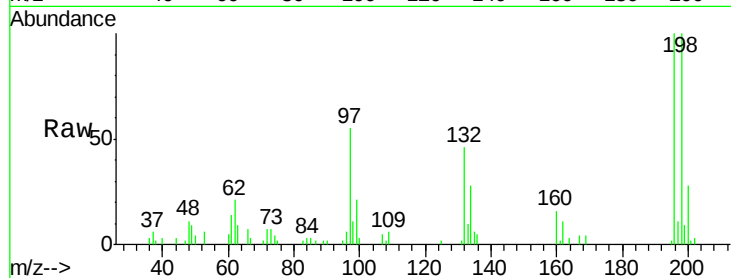
#43
 2,4,6-Trichlorophenol
 Concen: 1.929 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	14793		
198	99.9	76.2	114.4	
200	27.8	24.4	36.6	

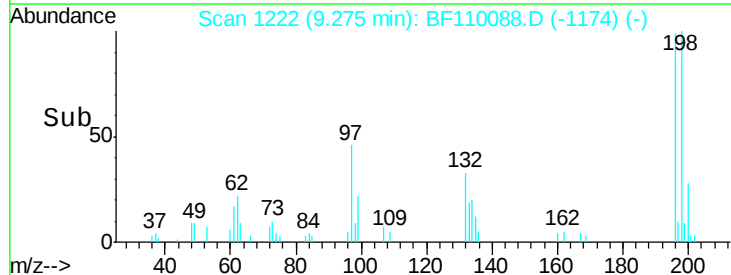
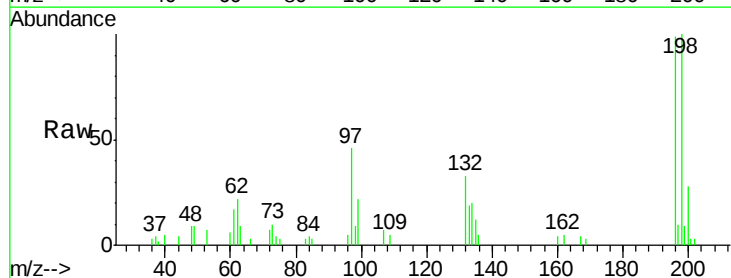
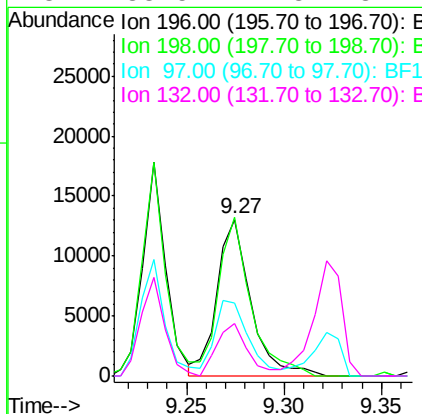
Manual Integrations
 APPROVED

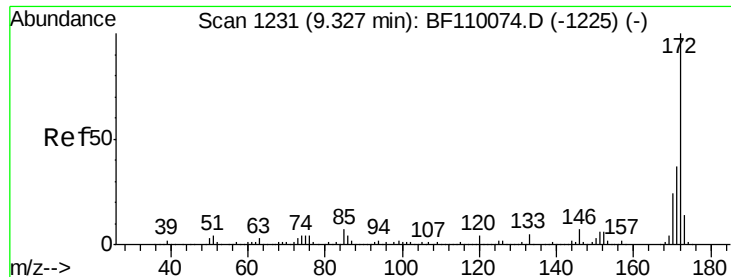
Sohil
 10/24/2018 5:12:03 PM



#44
 2,4,5-Trichlorophenol
 Concen: 1.944 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.02 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	15755		
198	101.3	75.8	113.6	
97	46.9	42.4	63.6	
132	33.5	22.8	34.2	





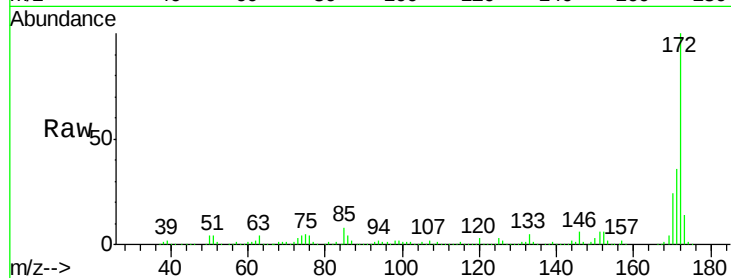
#45
2-Fluorobiphenyl
Concen: 79.548 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

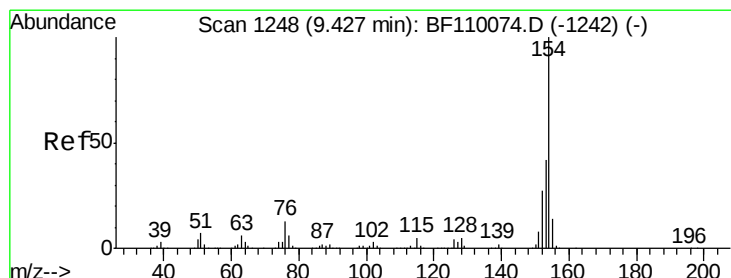
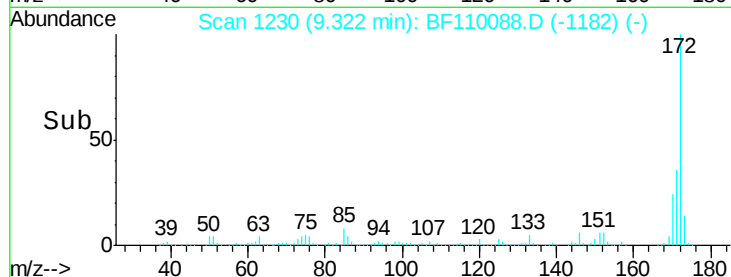
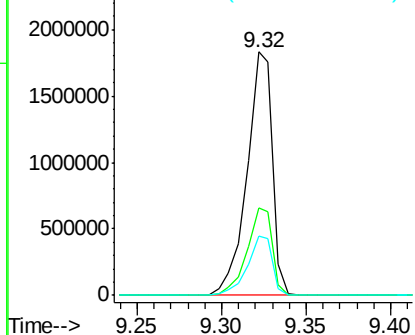
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	24.3	19.7	29.5

Manual Integrations
APPROVED

Sohil
10/24/2018 5:12:03 PM



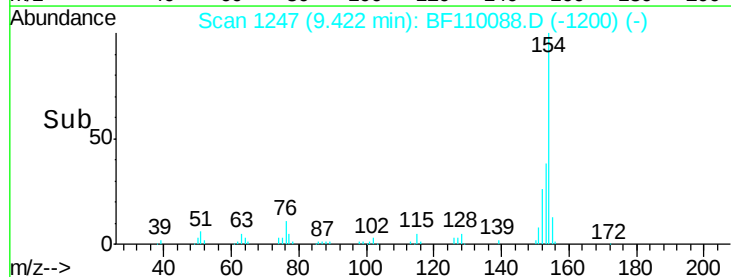
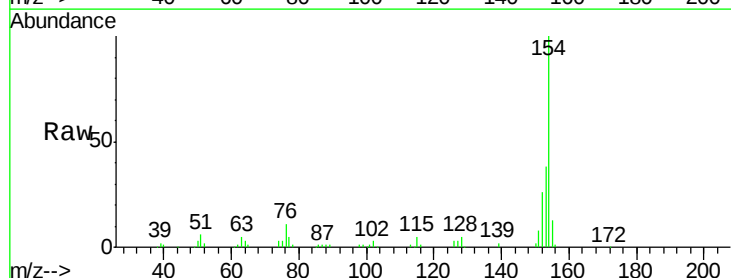
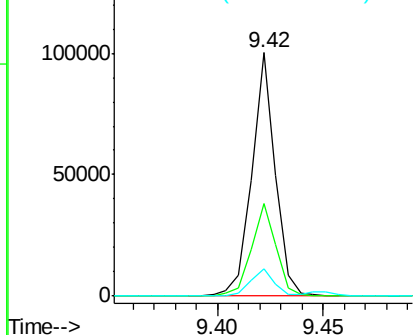
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

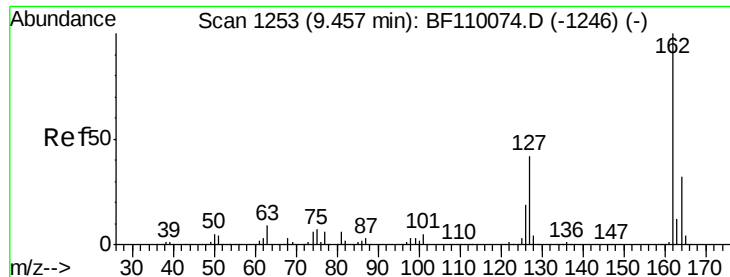


#46
1,1'-Biphenyl
Concen: 2.246 ng
RT: 9.42 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.0	20.4	60.4
76	11.2	0.0	31.9

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





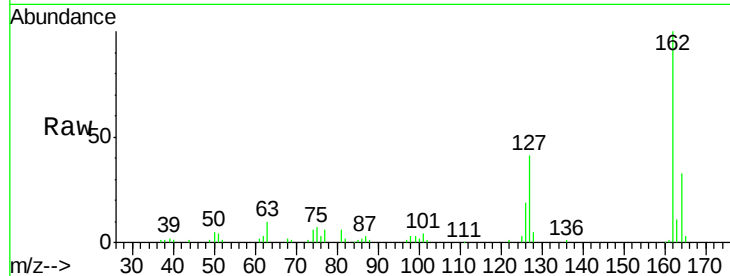
#47
 2-Chloronaphthalene
 Concen: 2.127 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. -0.02 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

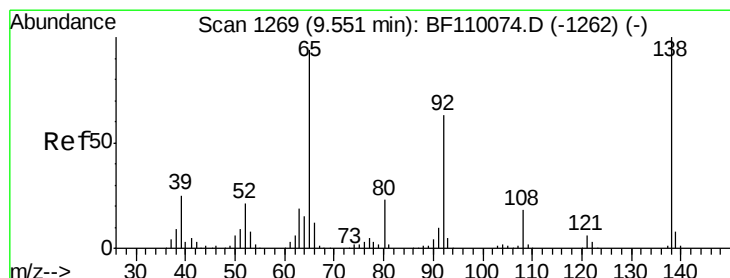
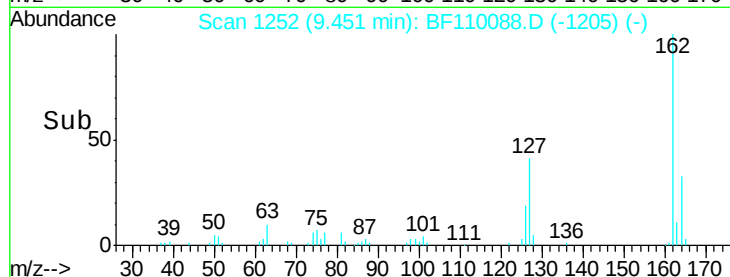
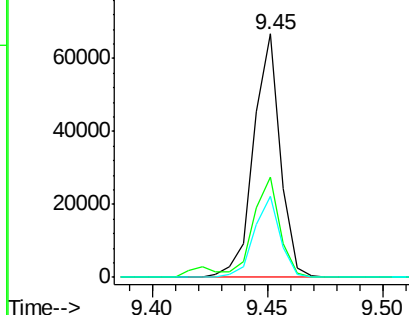
Tgt Ion	Ratio	Lower	Upper
162	100		
127	41.0	32.6	48.8
164	33.4	25.9	38.9

Manual Integrations
 APPROVED

Sohil
 10/24/2018 5:12:03 PM

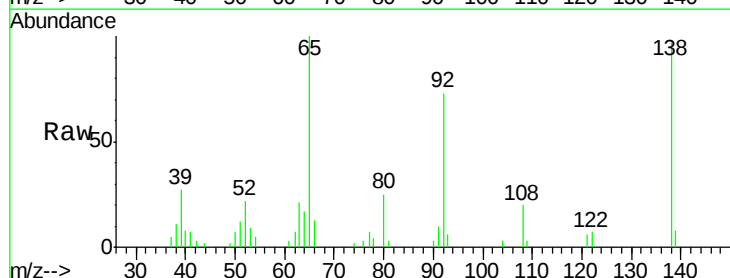


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

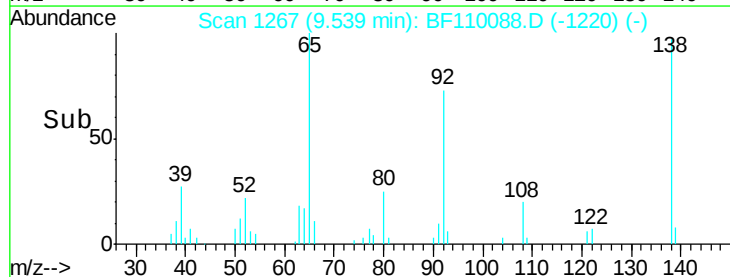
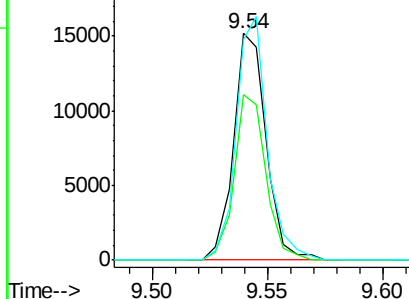


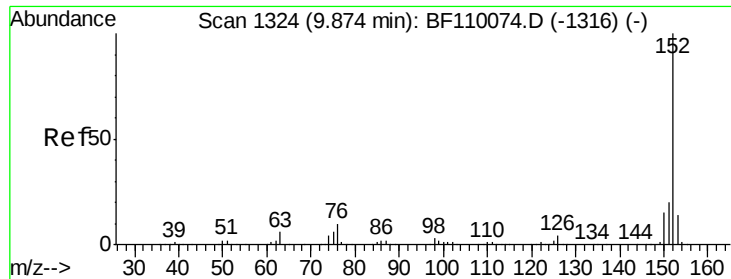
#48
 2-Nitroaniline
 Concen: 1.946 ng
 RT: 9.54 min Scan# 1267
 Delta R.T. -0.02 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Lower	Upper
65	100		
92	73.1	54.6	81.8
138	97.4	80.3	120.5



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





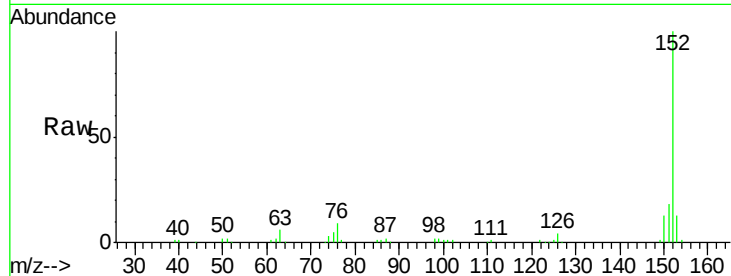
#49
Acenaphthylene
Concen: 2.360 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

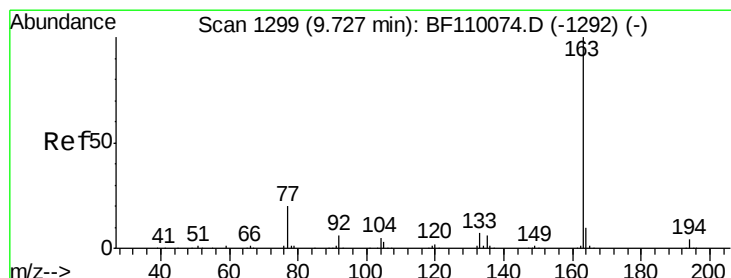
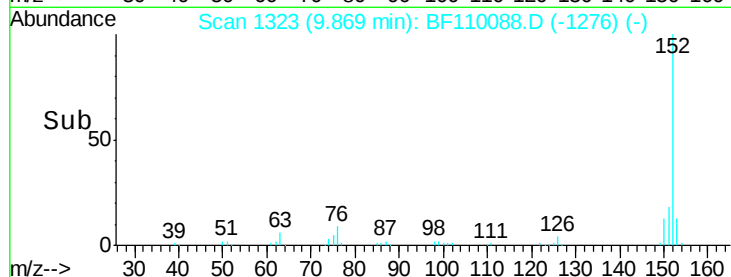
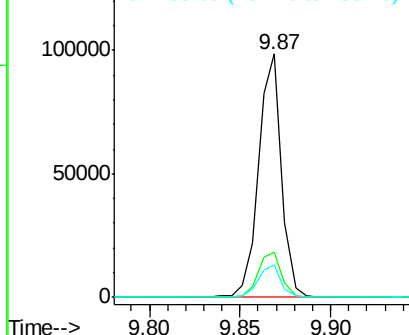
Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.5	15.8	23.8
153	13.4	10.4	15.6

Manual Integrations
APPROVED

Sohil
10/24/2018 5:12:03 PM

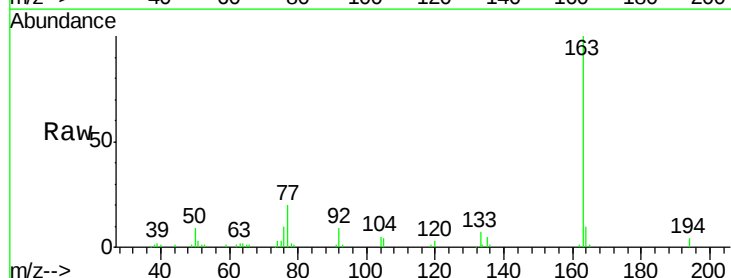


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

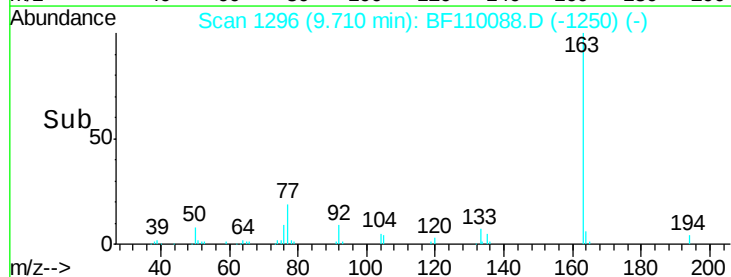
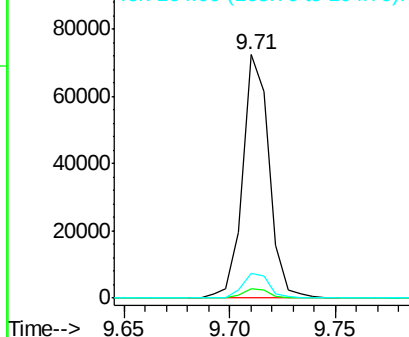


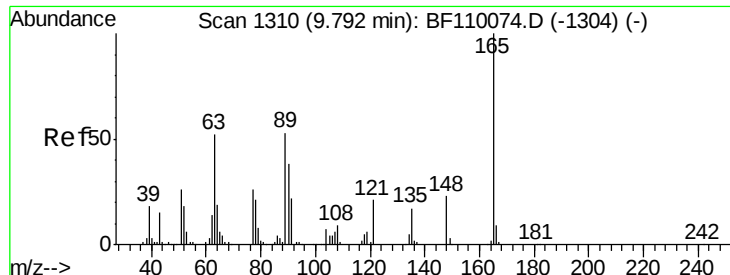
#50
Dimethylphthalate
Concen: 2.225 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.03 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	10.3	8.1	12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





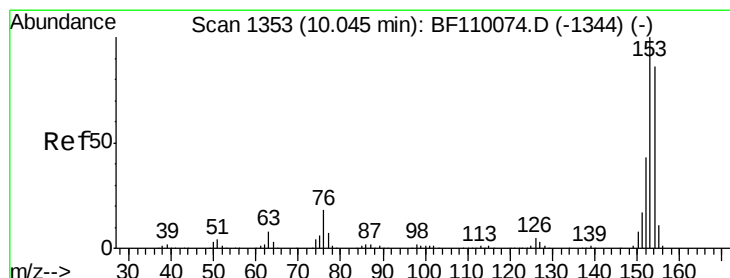
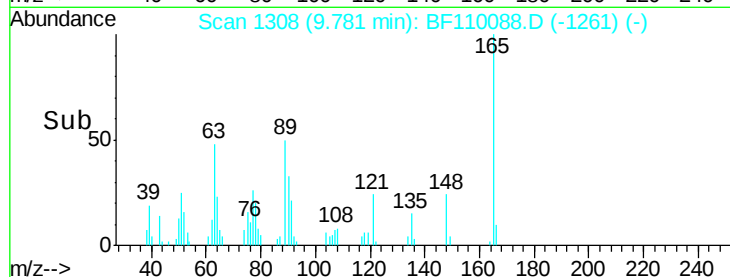
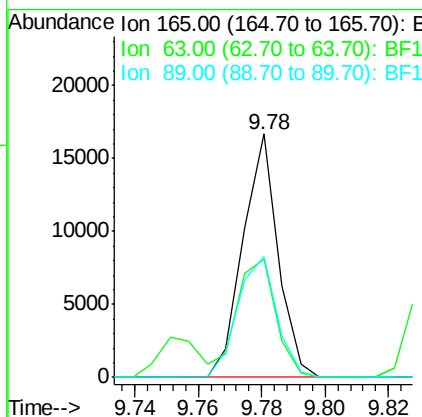
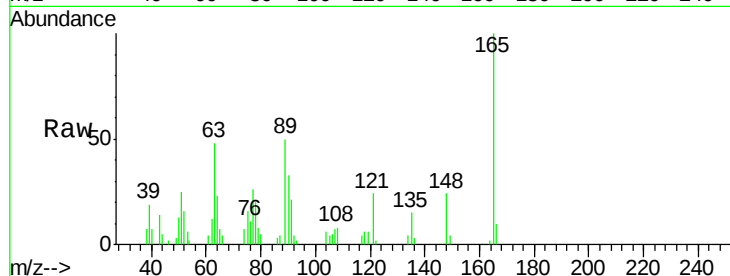
#51
 2,6-Dinitrotoluene
 Concen: 2.095 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.02 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	12712		
63	48.4	48.9	73.3#	
89	49.8	46.6	69.8	

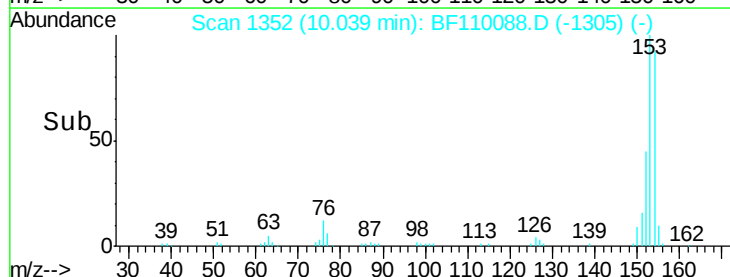
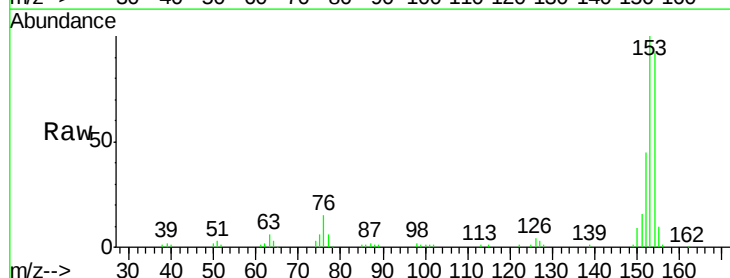
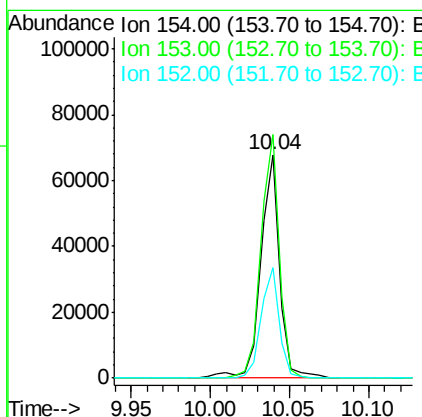
Manual Integrations
 APPROVED

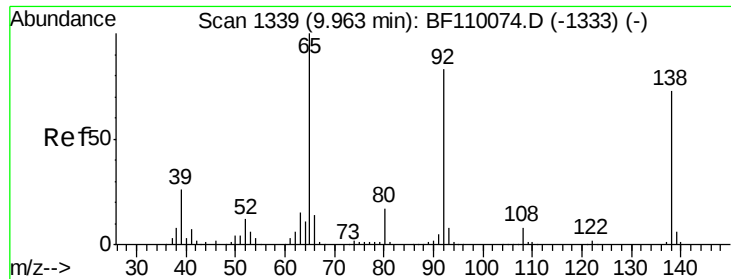
Sohil
 10/24/2018 5:12:03 PM



#52
 Acenaphthene
 Concen: 2.331 ng
 RT: 10.04 min Scan# 1352
 Delta R.T. -0.02 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	56377		
153	108.9	90.1	135.1	
152	49.4	43.4	65.2	





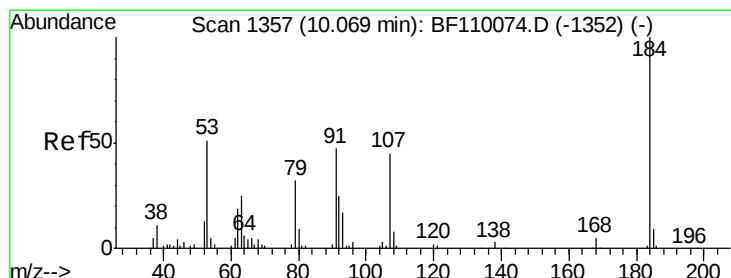
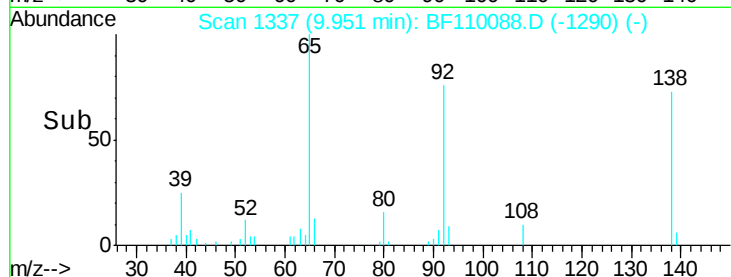
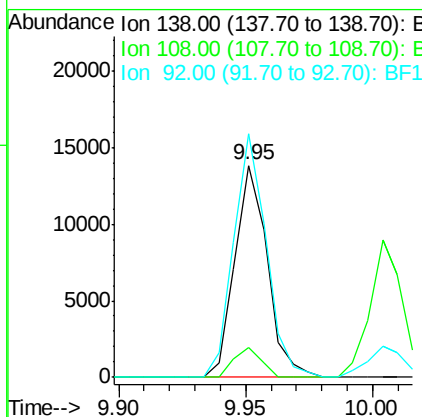
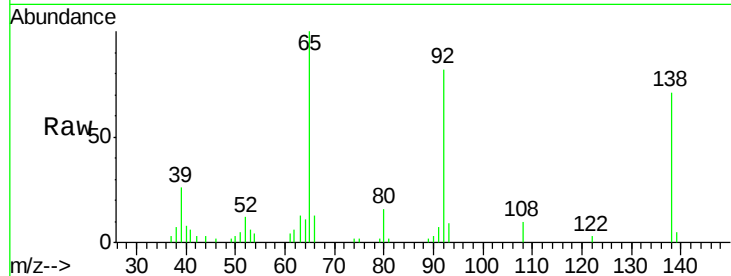
#53
3-Nitroaniline
Concen: 1.712 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:138 Resp: 12352
Ion Ratio Lower Upper
138 100
108 14.3 8.7 13.1#
92 115.0 97.0 145.4

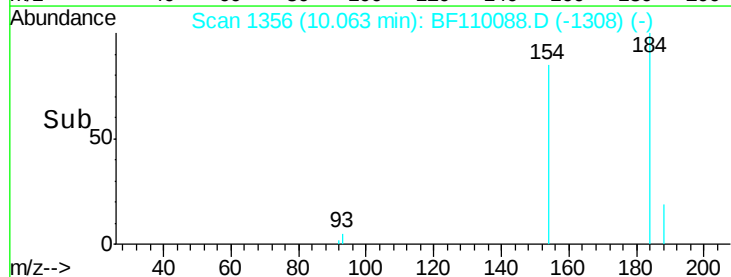
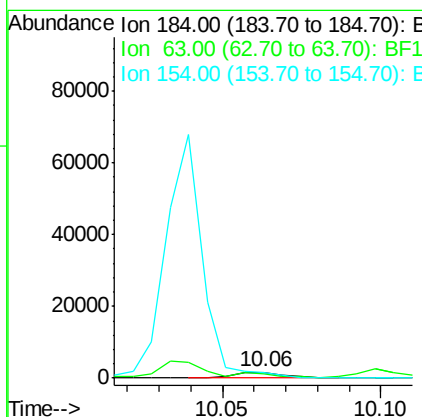
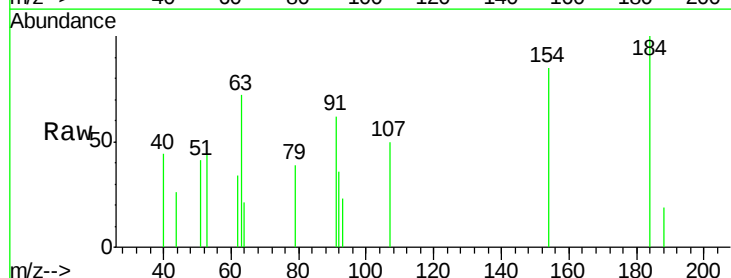
Manual Integrations
APPROVED

Sohil
10/24/2018 5:12:03 PM



#54
2,4-Dinitrophenol
Concen: 5.850 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Tgt Ion:184 Resp: 1737
Ion Ratio Lower Upper
184 100
63 72.0 55.8 83.6
154 85.1 63.2 94.8





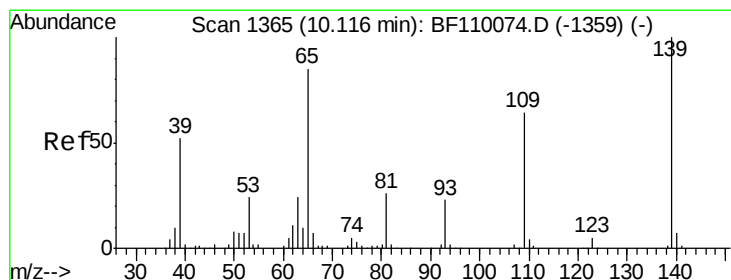
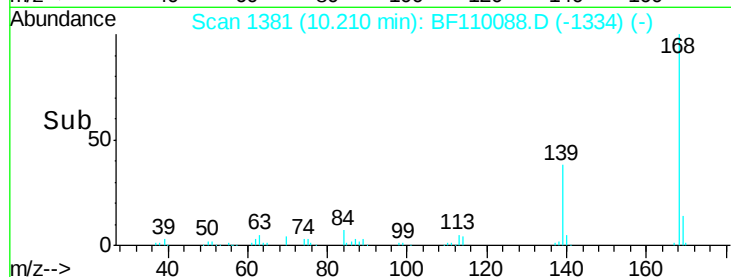
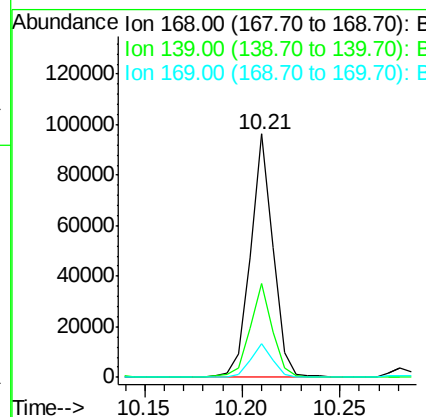
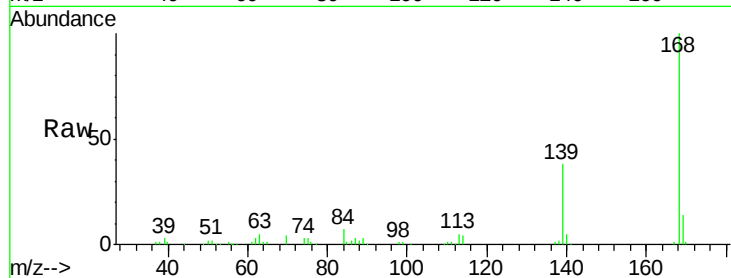
#55
Dibenzenofuran
Concen: 2.275 ng
RT: 10.21 min Scan# 1381
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.3	33.0	49.6
169	14.0	11.3	16.9

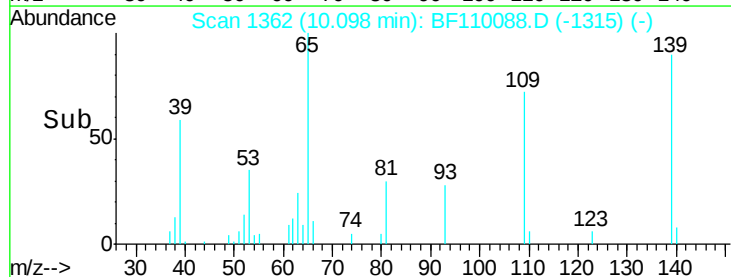
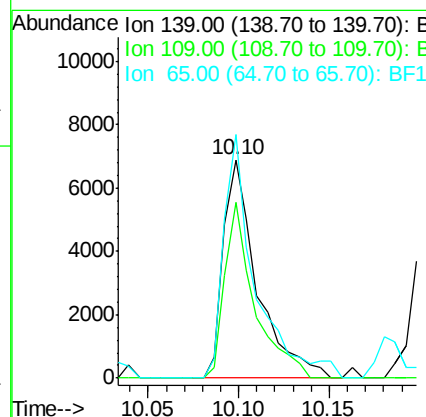
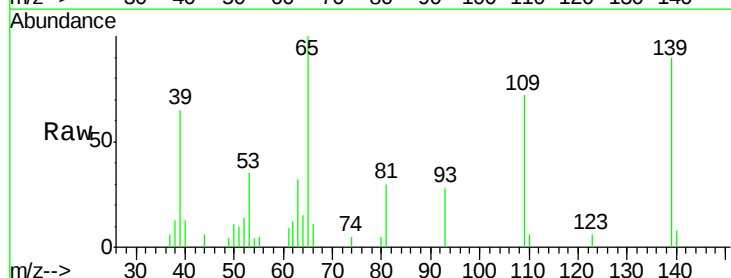
Manual Integrations
APPROVED

Sohil
10/24/2018 5:12:03 PM



#56
4-Nitrophenol
Concen: 1.688 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

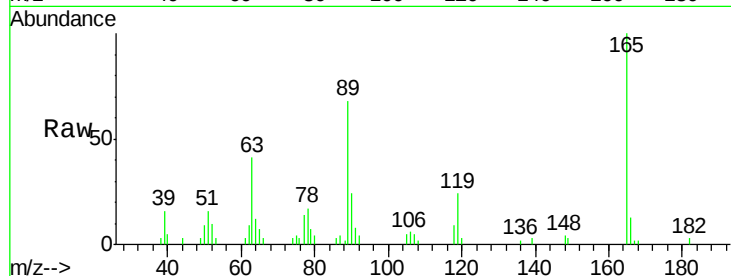
Tgt Ion	Ratio	Lower	Upper
139	100		
109	80.5	55.8	95.8
65	111.4	77.9	117.9





#57
 2,4-Dinitrotoluene
 Concen: 1.964 ng
 RT: 10.19 min Scan# 1377
 Delta R.T. -0.02 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

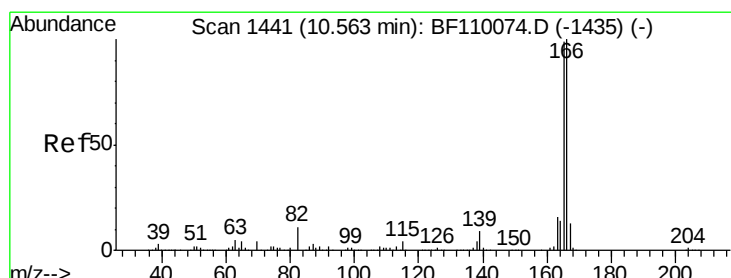
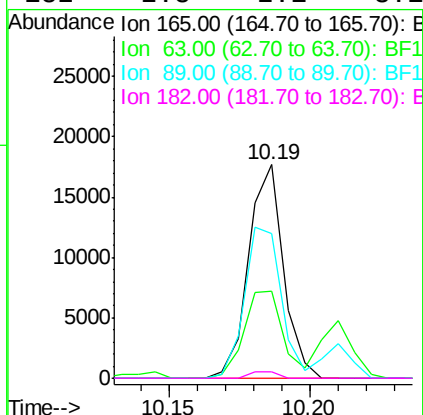
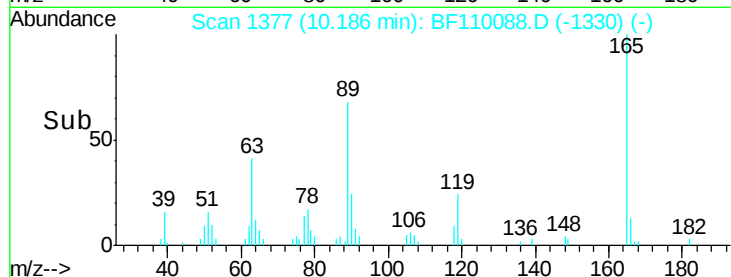
Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018



Tgt Ion	Ratio	Resp	Lower	Upper
165	100	15134		
63	40.8	44.8	67.2	#
89	67.9	62.2	93.4	
182	2.8	2.1	3.1	

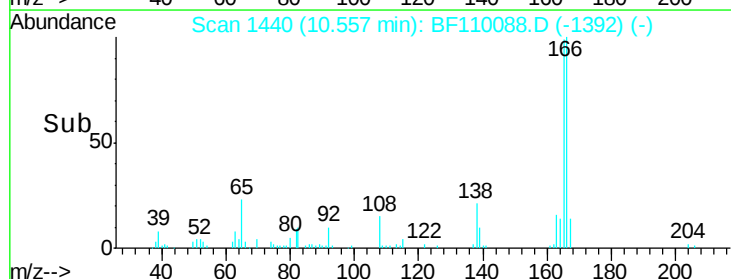
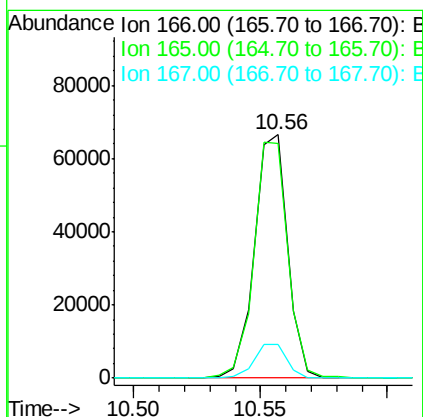
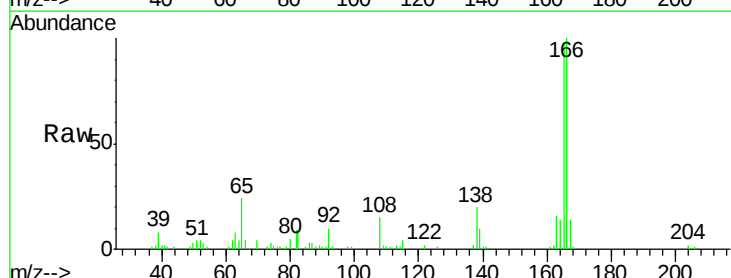
Manual Integrations
 APPROVED

Sohil
 10/24/2018 5:12:03 PM



#58
 Fluorene
 Concen: 2.417 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	60893		
165	96.6	78.6	117.8	
167	14.0	10.8	16.2	





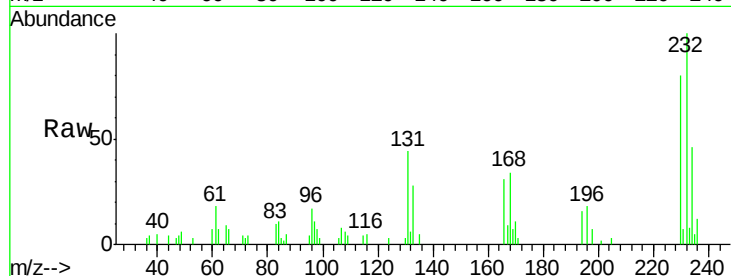
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 1.952 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. -0.02 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

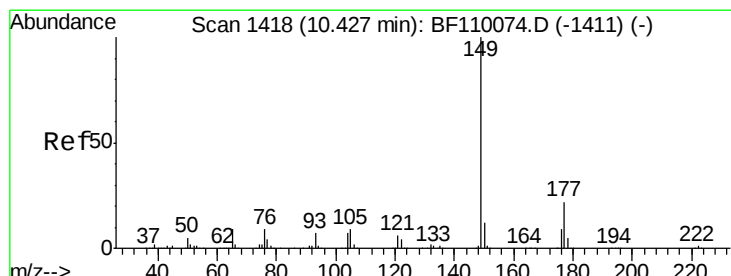
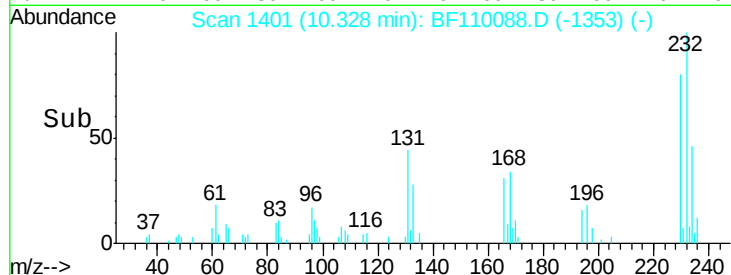
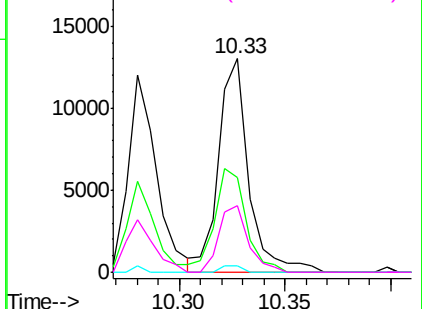
Tgt Ion	Ratio	Lower	Upper
232	100		
131	50.4	37.0	55.4
130	2.2	1.8	2.6
166	30.3	22.0	33.0

Manual Integrations
 APPROVED

Sohil
 10/24/2018 5:12:03 PM



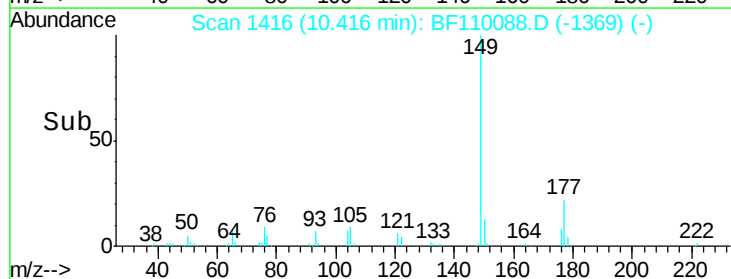
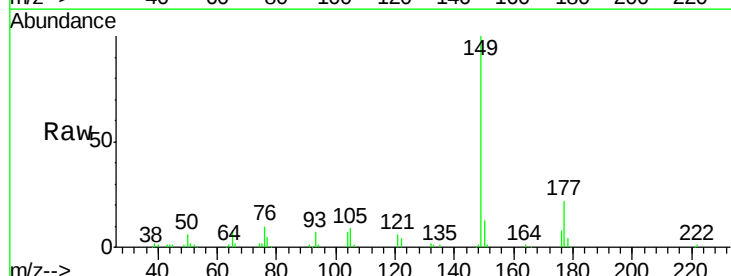
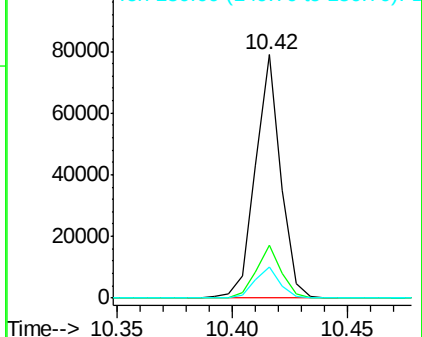
Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

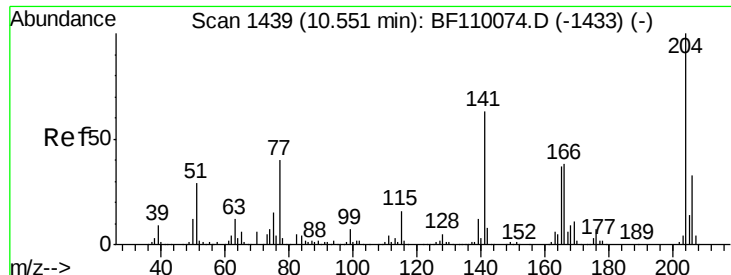


#60
 Diethylphthalate
 Concen: 2.195 ng
 RT: 10.42 min Scan# 1416
 Delta R.T. -0.02 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.4	26.2
150	13.0	9.8	14.8

Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





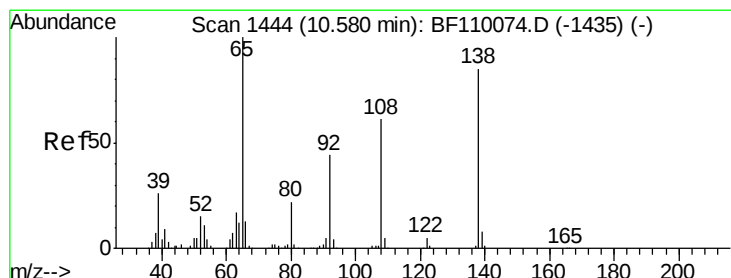
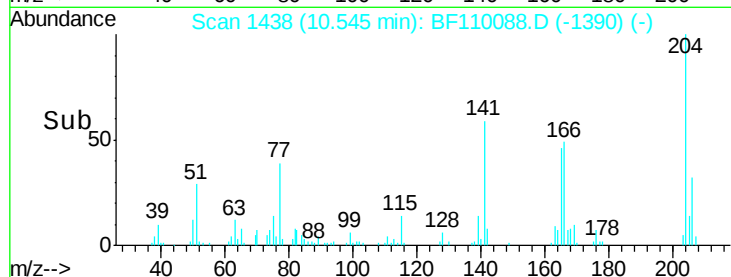
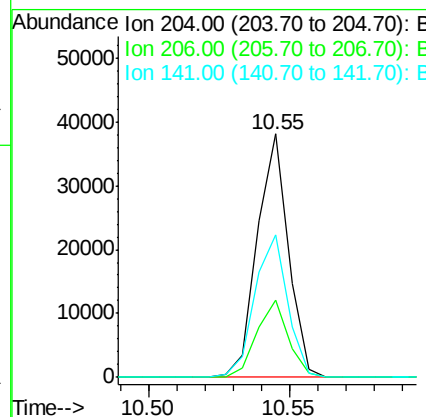
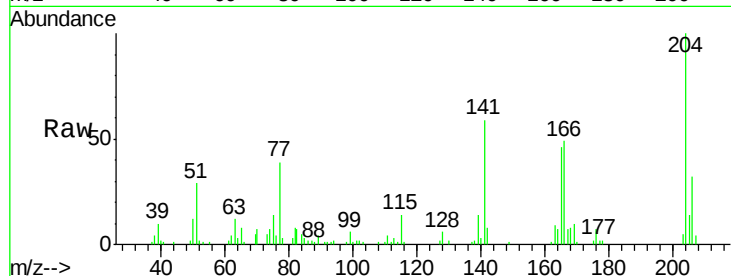
#61
 4-Chlorophenyl-phenylether
 Concen: 2.187 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.02 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
204	100		
206	31.7	26.5	39.7
141	58.8	51.8	77.8

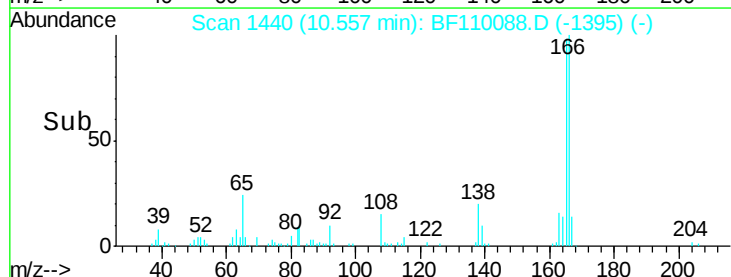
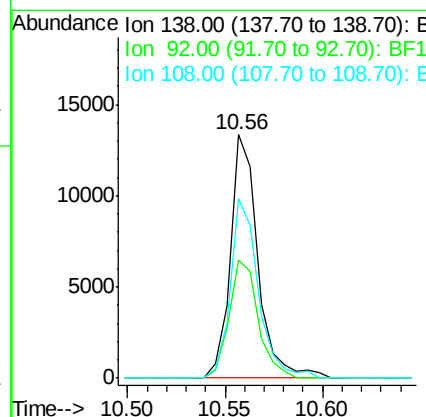
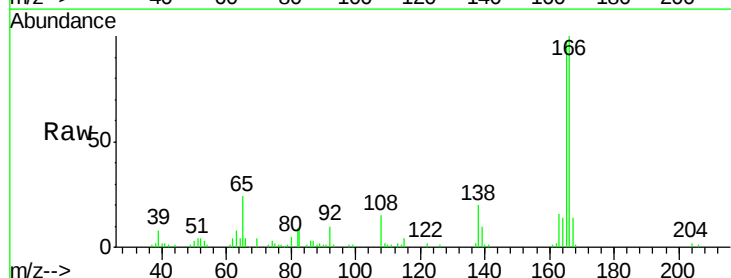
Manual Integrations
 APPROVED

Sohil
 10/24/2018 5:12:03 PM



#62
 4-Nitroaniline
 Concen: 1.821 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.04 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.4	31.7	71.7
108	73.7	59.3	99.3





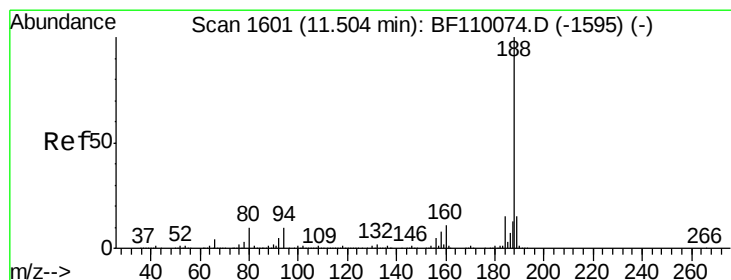
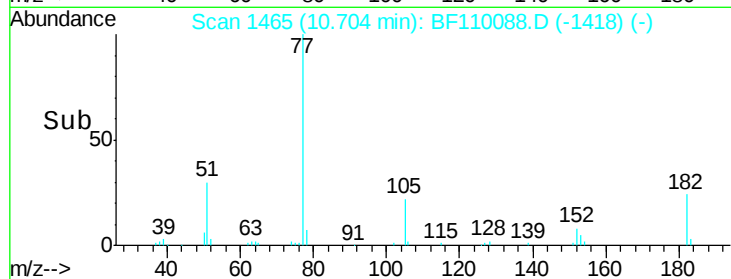
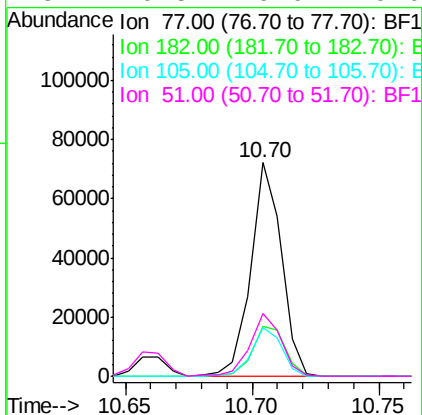
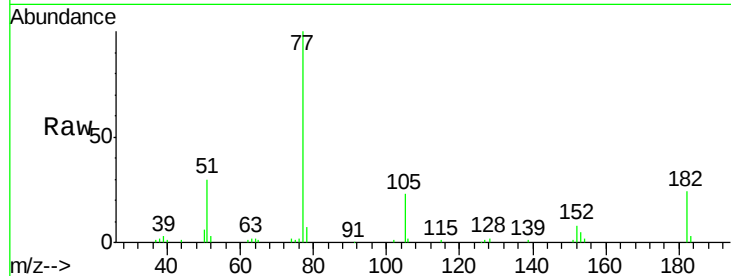
#63
Azobenzene
Concen: 2.238 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ion	Ratio	Lower	Upper
77	100			
182	23.5	4.3	44.3	
105	22.8	1.3	41.3	
51	29.5	9.0	49.0	

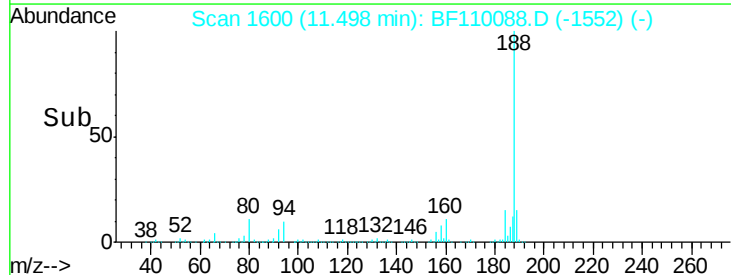
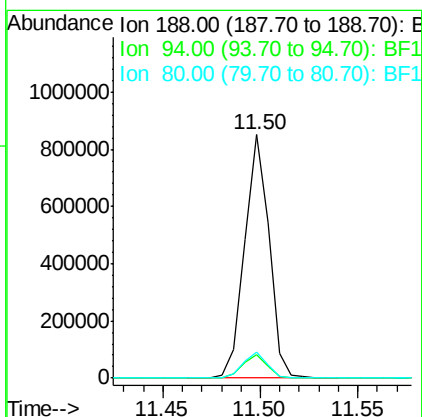
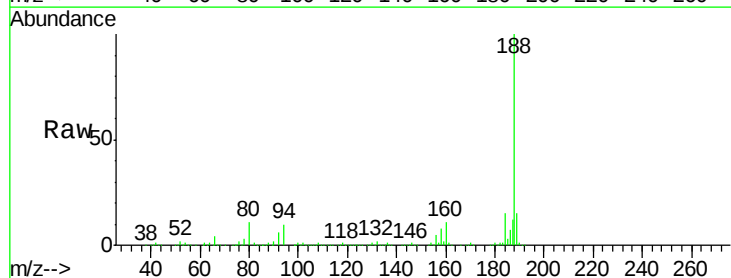
Manual Integrations
APPROVED

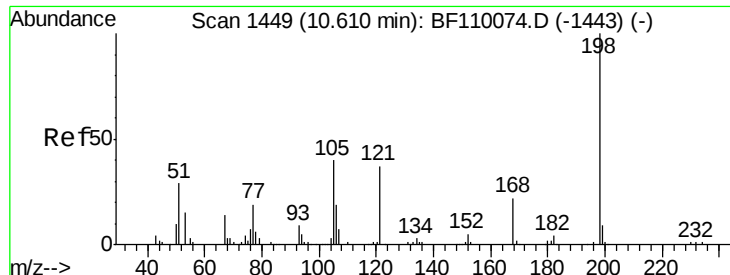
Sohil
10/24/2018 5:12:03 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.7	7.2	10.8	
80	10.6	7.9	11.9	





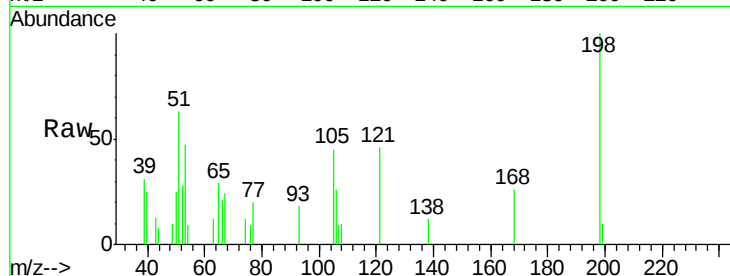
#65
 4,6-Dinitro-2-methylphenol
 Concen: 1.041 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.03 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
198	100		
51	62.5	22.8	62.8
105	44.8	23.6	63.6

Manual Integrations
 APPROVED

Sohil
 10/24/2018 5:12:03 PM

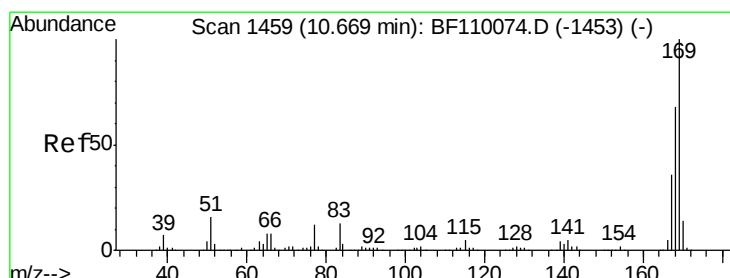
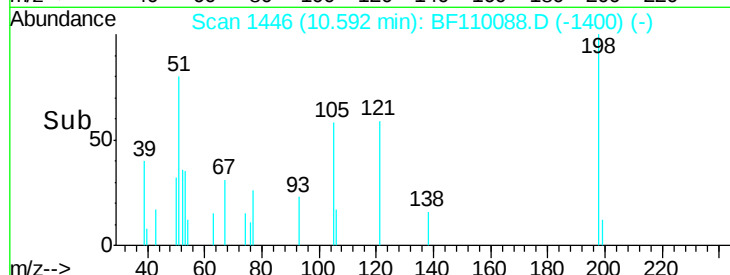
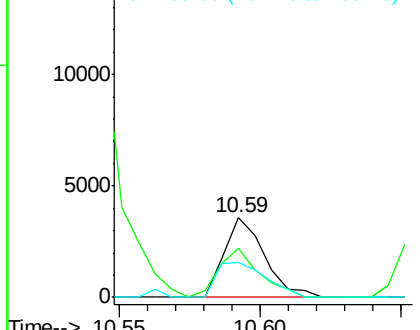


Abundance

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



#66
 n-Nitrosodiphenylamine
 Concen: 2.171 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

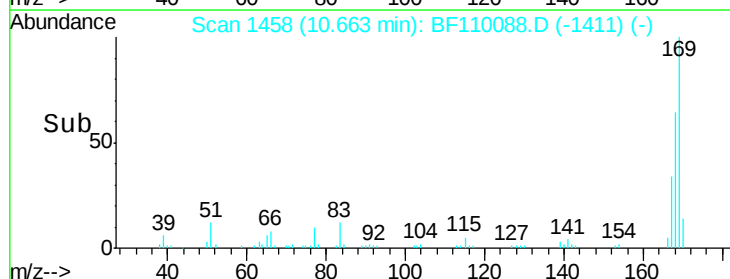
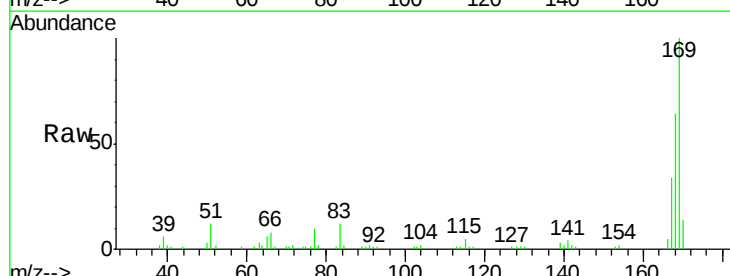
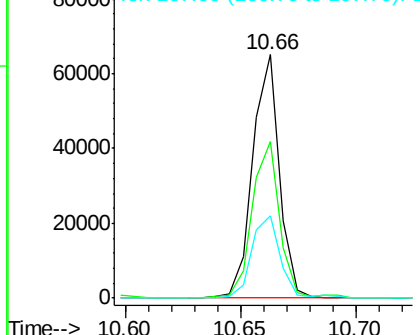
Tgt Ion	Ratio	Lower	Upper
169	100		
168	64.2	51.2	76.8
167	33.8	27.8	41.6

Abundance

Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





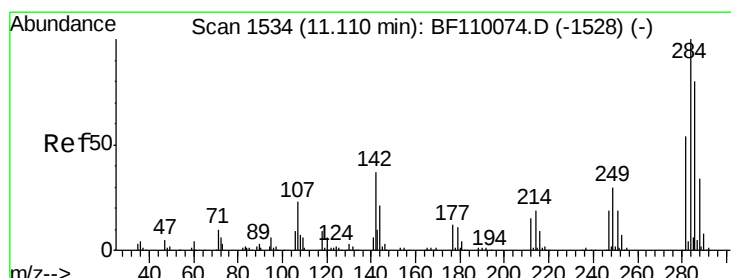
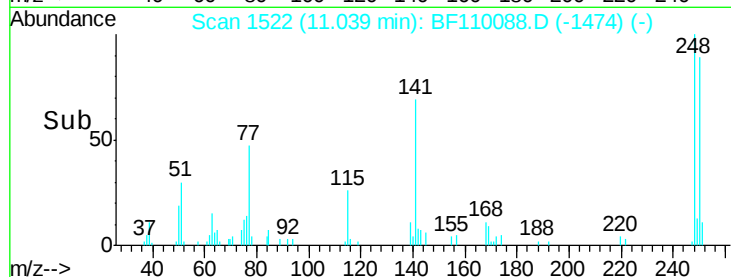
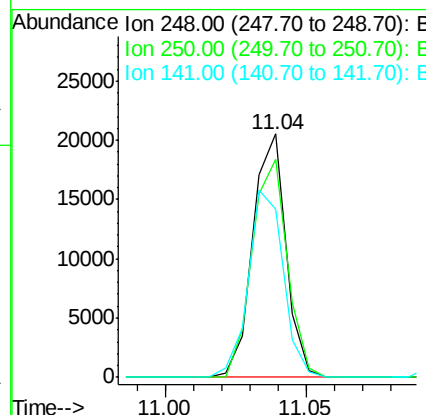
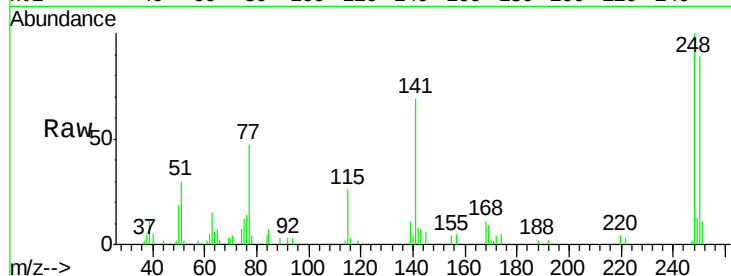
#67
 4-Bromophenyl-phenylether
 Concen: 2.083 ng
 RT: 11.04 min Scan# 1522
 Delta R.T. -0.02 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
248	100		
250	89.5	79.4	119.2
141	69.0	55.9	83.9

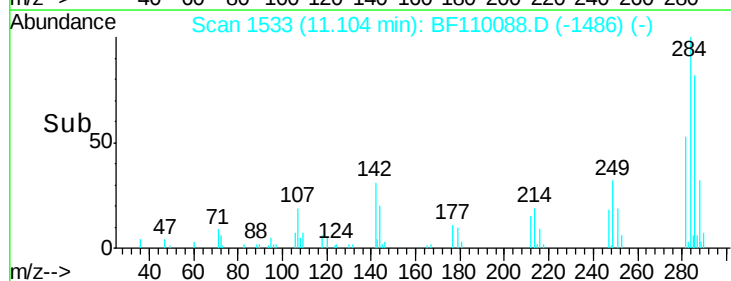
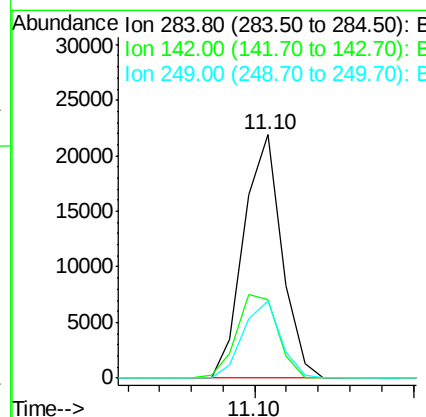
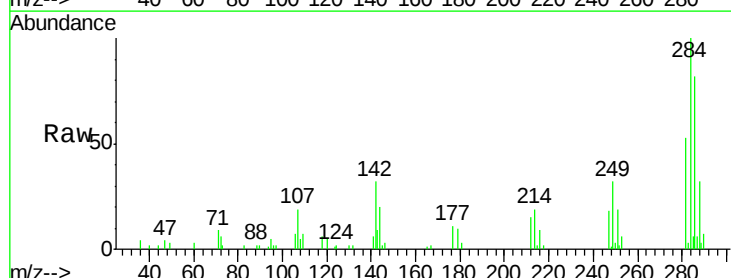
Manual Integrations
 APPROVED

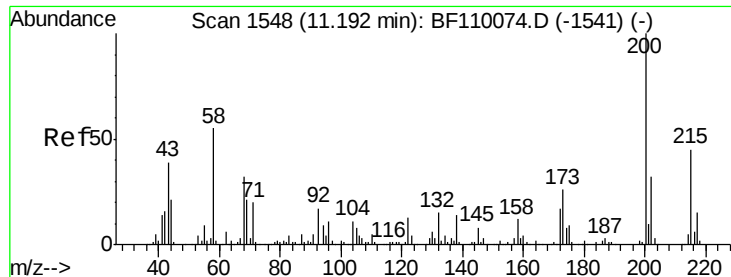
Sohil
 10/24/2018 5:12:03 PM



#68
 Hexachlorobenzene
 Concen: 2.137 ng
 RT: 11.10 min Scan# 1533
 Delta R.T. -0.02 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.2	23.9	35.9
249	31.9	24.2	36.2





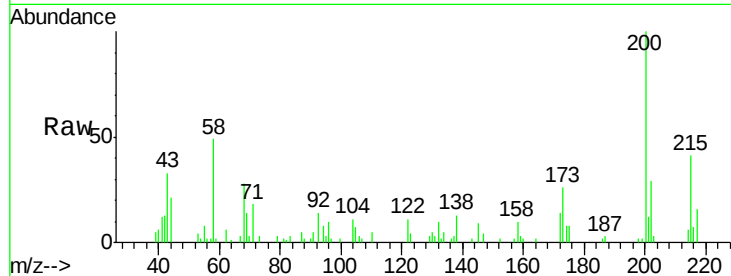
#69
Atrazine
Concen: 2.208 ng
RT: 11.18 min Scan# 1546
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

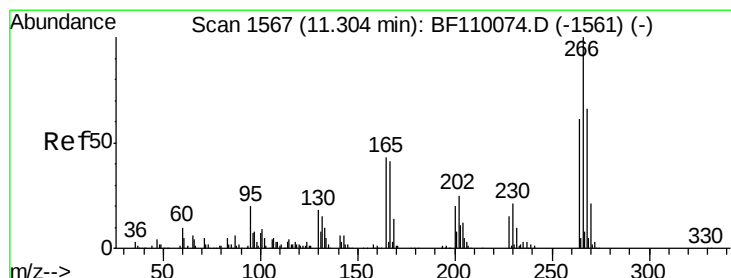
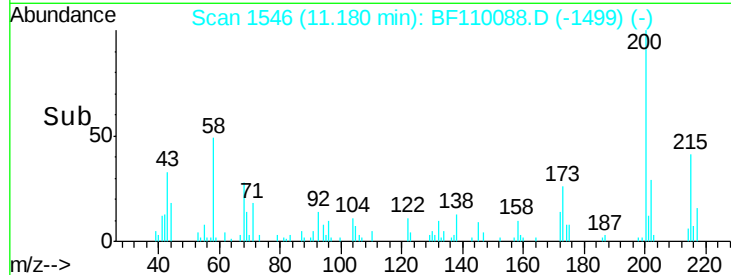
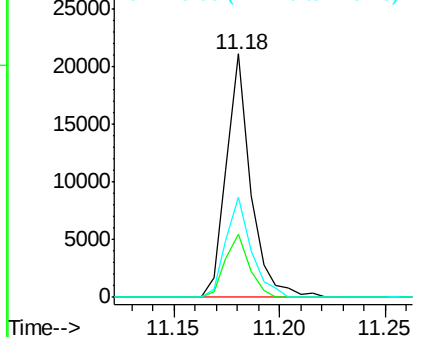
Tgt Ion	Ratio	Resp	Lower	Upper
200	100	16943		
173	26.1	6.6	46.6	
215	41.4	26.3	66.3	

Manual Integrations
APPROVED

Sohil
10/24/2018 5:12:03 PM

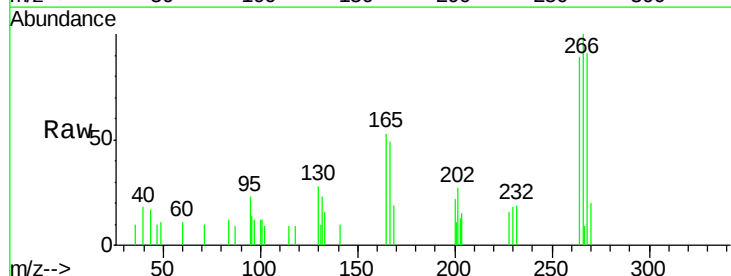


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

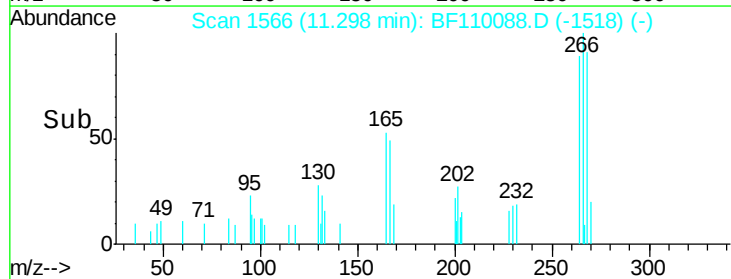
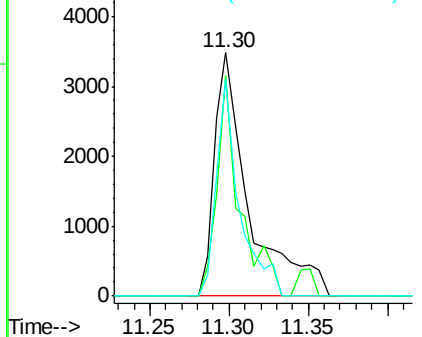


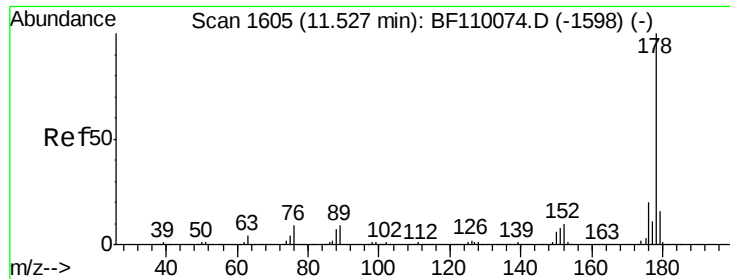
#70
Pentachlorophenol
Concen: 1.066 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	5295		
268	90.6	50.6	75.8#	
264	89.2	50.6	75.8#	



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





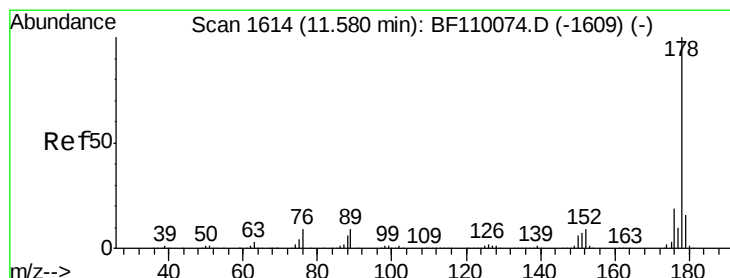
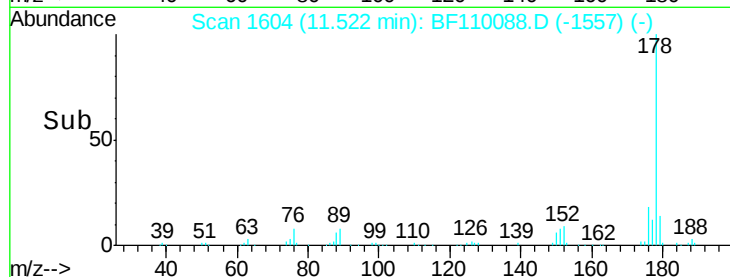
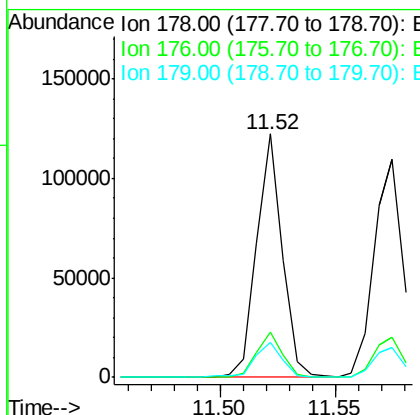
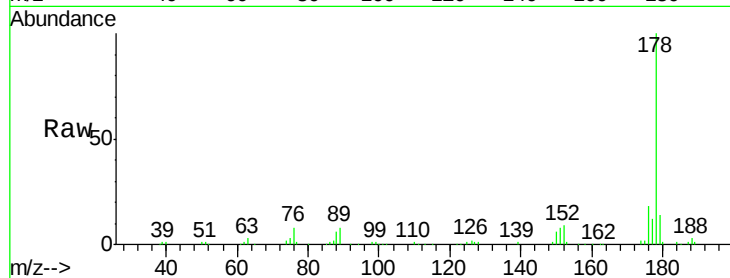
#71
 Phenanthrene
 Concen: 2.452 ng
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.02 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.5	23.3
179	14.1	12.5	18.7

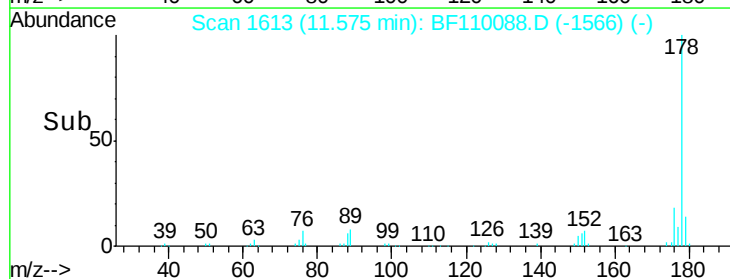
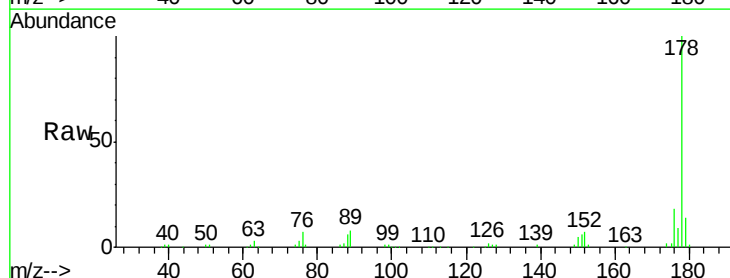
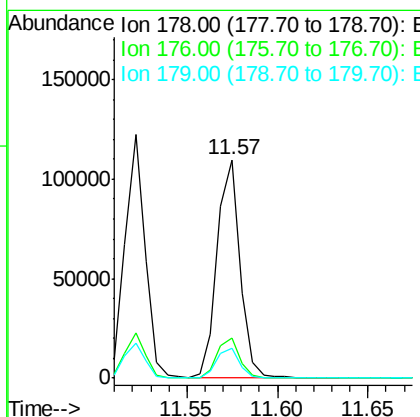
Manual Integrations
 APPROVED

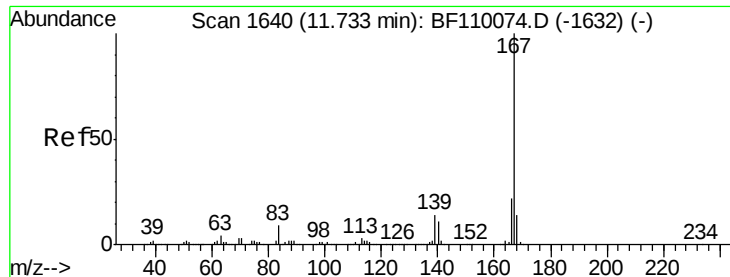
Sohil
 10/24/2018 5:12:03 PM



#72
 Anthracene
 Concen: 2.501 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. -0.02 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	13.8	12.6	18.8





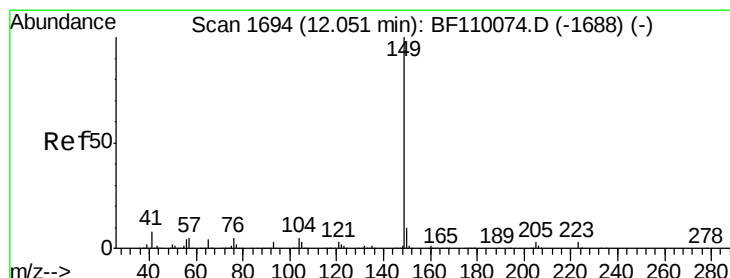
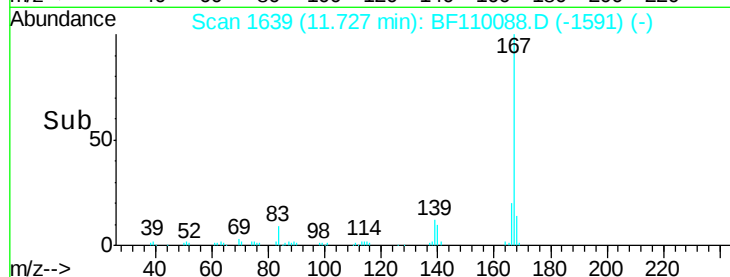
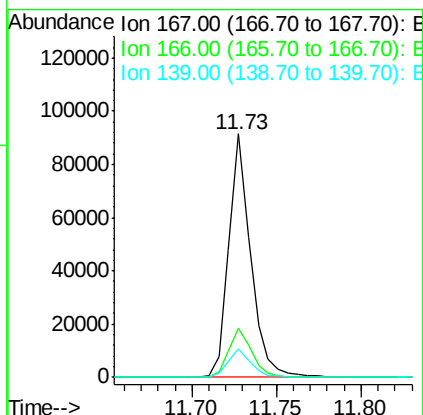
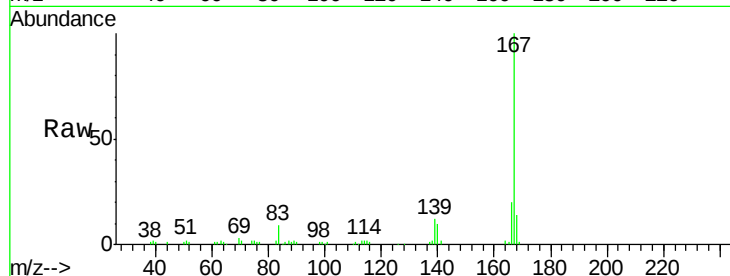
#73
 Carbazole
 Concen: 2.169 ng
 RT: 11.73 min Scan# 1639
 Delta R.T. -0.02 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	82220		
166	20.2		17.4	26.0
139	11.9		10.9	16.3

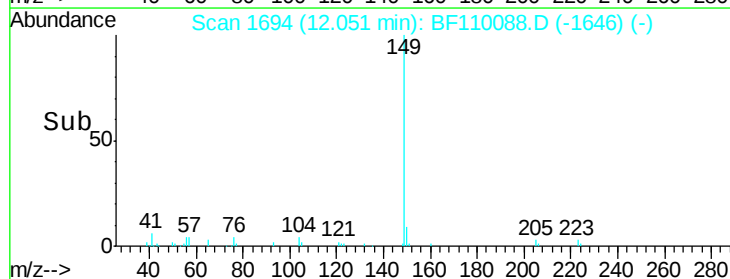
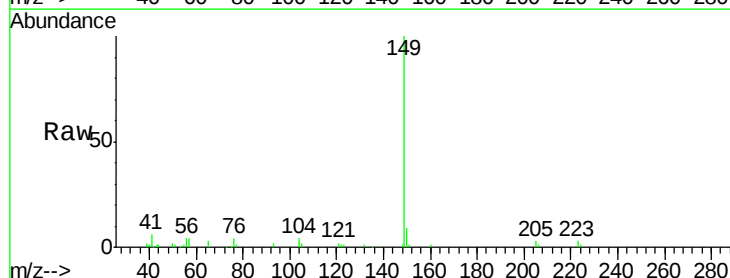
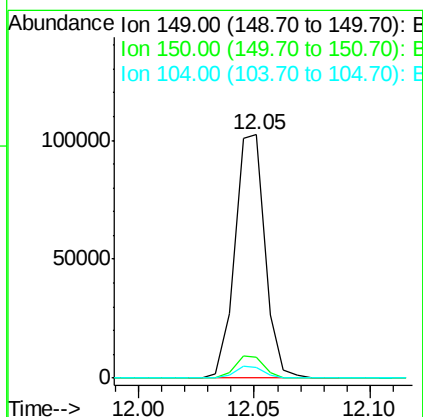
Manual Integrations
 APPROVED

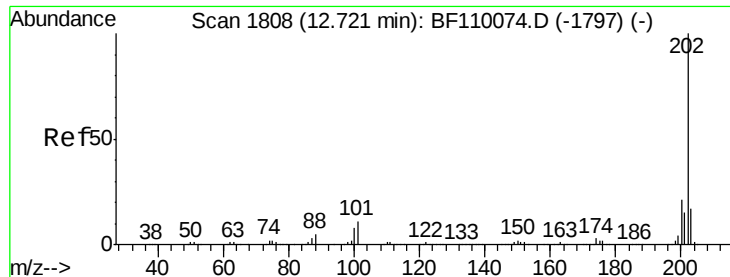
Sohil
 10/24/2018 5:12:03 PM



#74
 Di-n-butylphthalate
 Concen: 2.170 ng
 RT: 12.05 min Scan# 1694
 Delta R.T. -0.02 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	92915		
150	8.7		7.7	11.5
104	4.2		4.2	6.4#





#75

Fluoranthene

Concen: 2.421 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.02 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

Instrument :

BNA_F

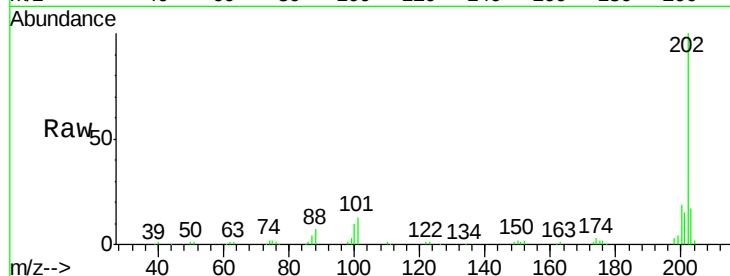
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

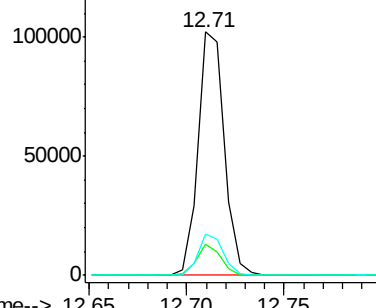
Tgt Ion:	202	Resp:	95173
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	31.4
203	17.1	0.0	37.7

Manual Integrations
APPROVED

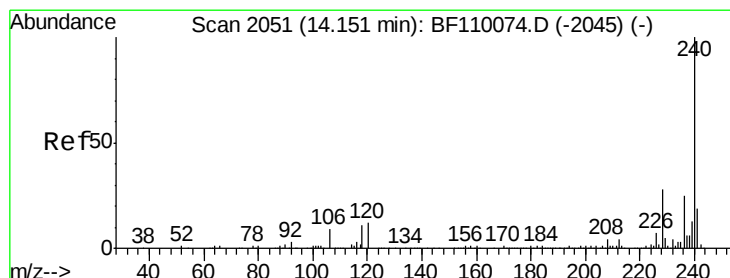
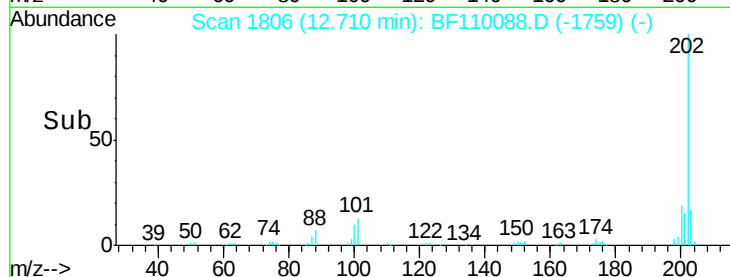
Sohil
10/24/2018 5:12:03 PM



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



Time--> 12.65 12.70 12.75



#76

Chrysene-d12

Concen: 20.000 ng

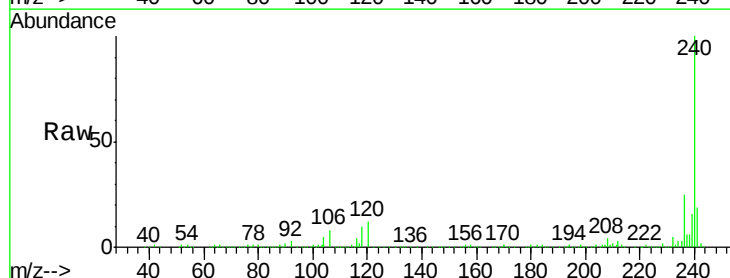
RT: 14.14 min Scan# 2050

Delta R.T. -0.02 min

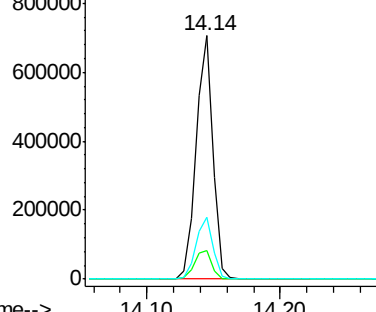
Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

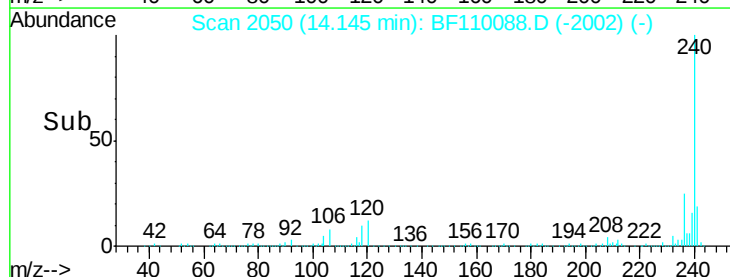
Tgt Ion:	240	Resp:	628682
Ion Ratio	Lower	Upper	
240	100		
120	11.9	8.3	12.5
236	25.3	21.2	31.8



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time--> 14.10 14.20





#77

Benzidine

Concen: 0.624 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

Instrument :

BNA_F

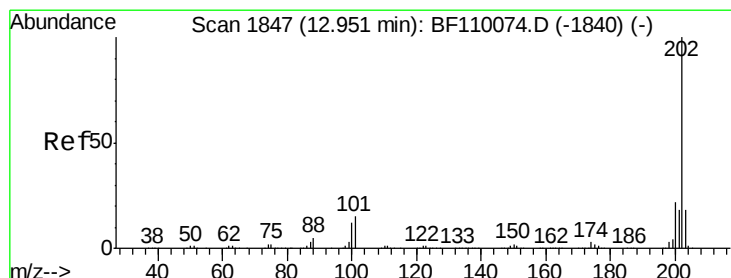
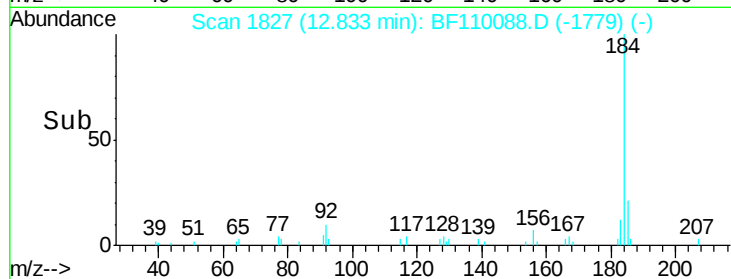
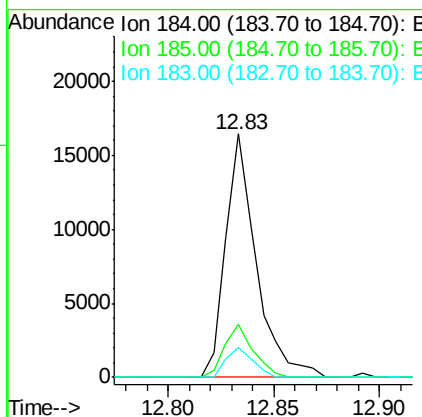
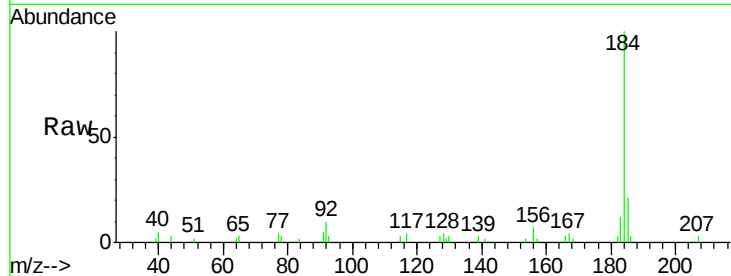
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	184	Resp:	16488
Ion Ratio	Lower	Upper	
184	100		
185	21.5	13.4	20.2#
183	12.4	9.4	14.2

Manual Integrations
APPROVED

Sohil
10/24/2018 5:12:03 PM



#78

Pyrene

Concen: 2.141 ng

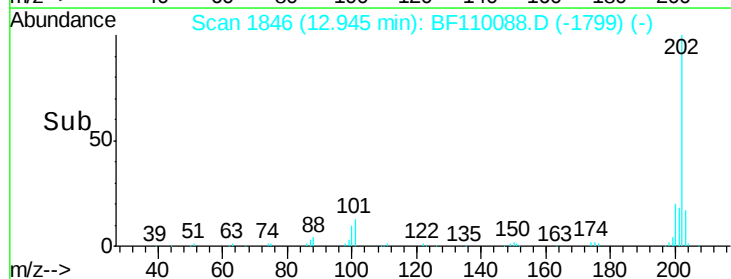
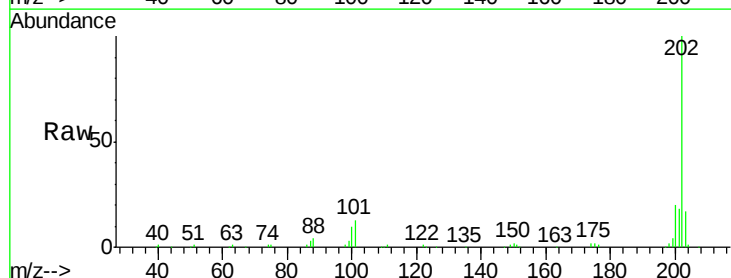
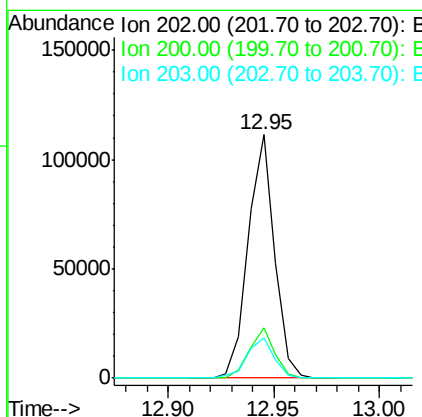
RT: 12.95 min Scan# 1846

Delta R.T. -0.02 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

Tgt Ion:	202	Resp:	96512
Ion Ratio	Lower	Upper	
202	100		
200	20.4	17.8	26.6
203	16.7	14.2	21.4





#79

Terphenyl-d14

Concen: 66.807 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:244 Resp: 2019533

Ion Ratio Lower Upper

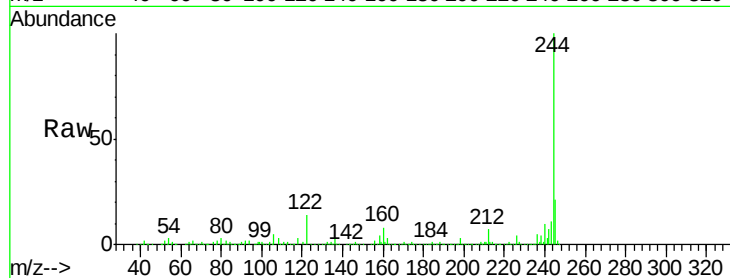
244 100

212 7.4 5.8 8.8

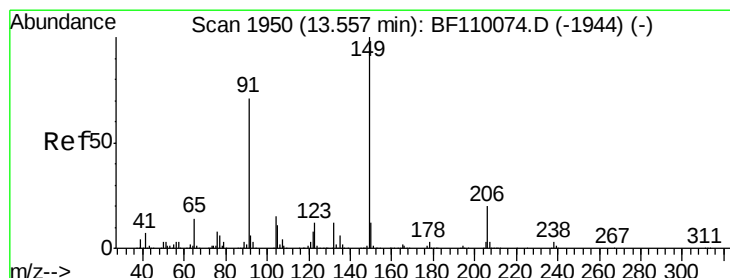
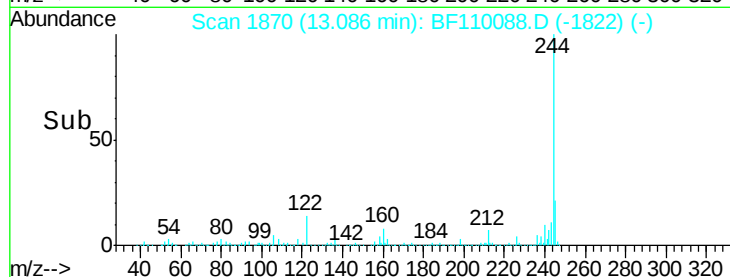
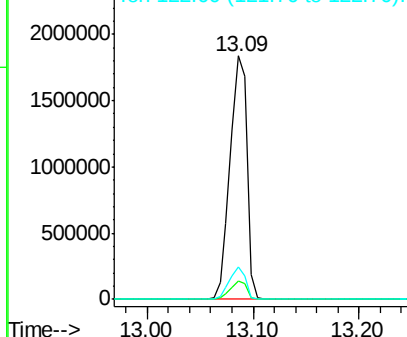
122 13.6 8.7 13.1#

Manual Integrations
APPROVED

Sohil
10/24/2018 5:12:03 PM



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



#80

Butylbenzylphthalate

Concen: 1.877 ng

RT: 13.55 min Scan# 1949

Delta R.T. -0.02 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

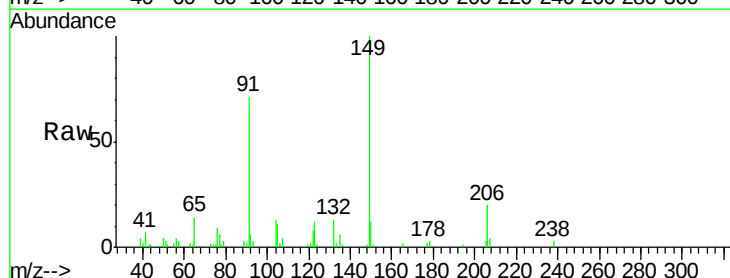
Tgt Ion:149 Resp: 36712

Ion Ratio Lower Upper

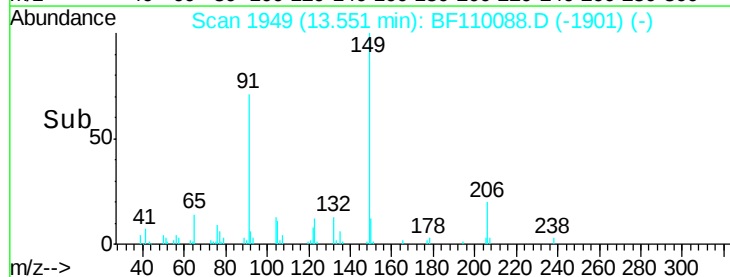
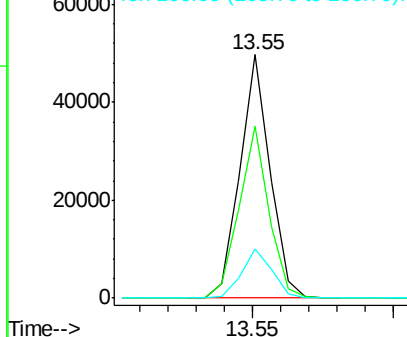
149 100

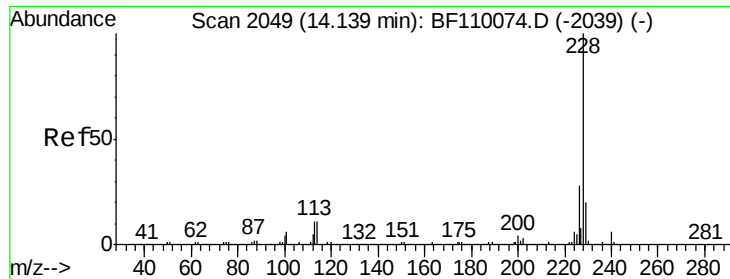
91 70.8 57.2 85.8

206 20.0 15.7 23.5



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E





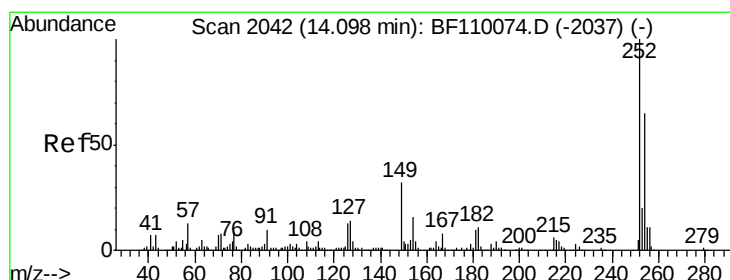
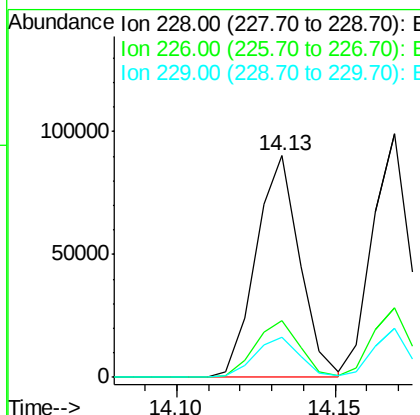
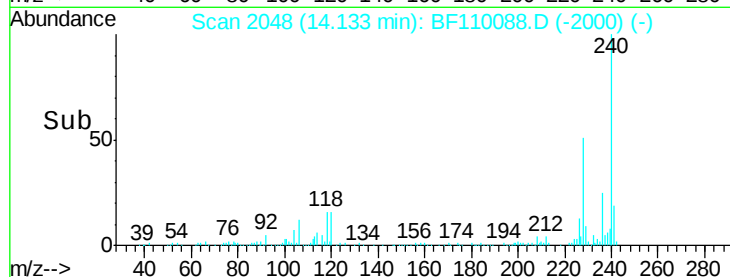
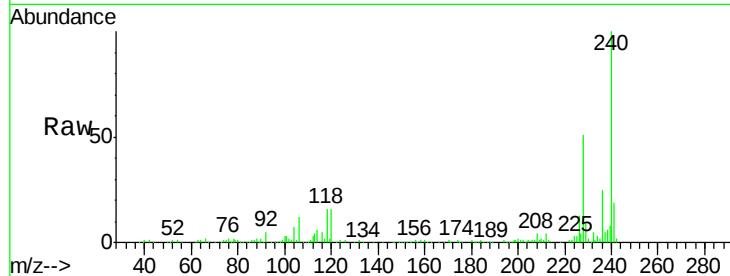
#81
Benzo(a)anthracene
Concen: 2.320 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.7	22.1	33.1
229	18.3	15.6	23.4

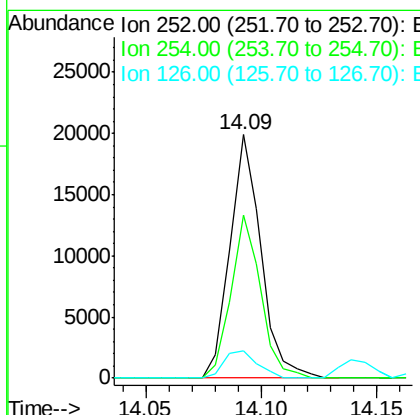
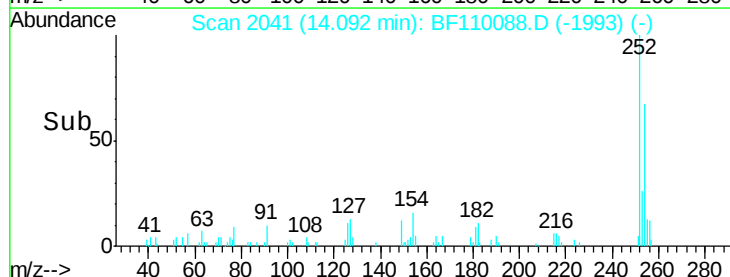
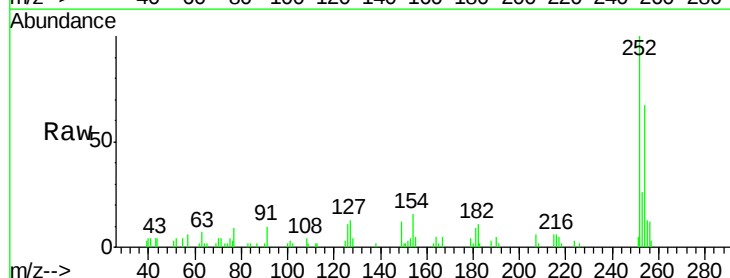
Manual Integrations
APPROVED

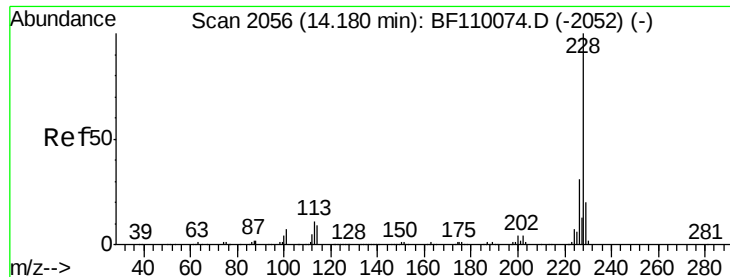
Sohil
10/24/2018 5:12:03 PM



#82
3,3'-Dichlorobenzidine
Concen: 1.433 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Lower	Upper
252	100		
254	67.2	51.3	76.9
126	11.0	9.4	14.2





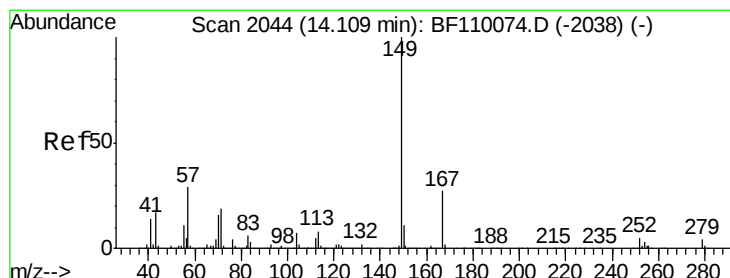
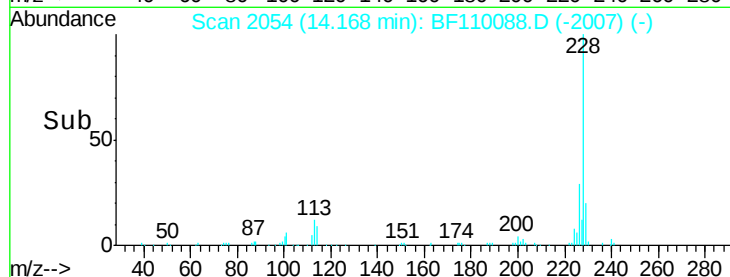
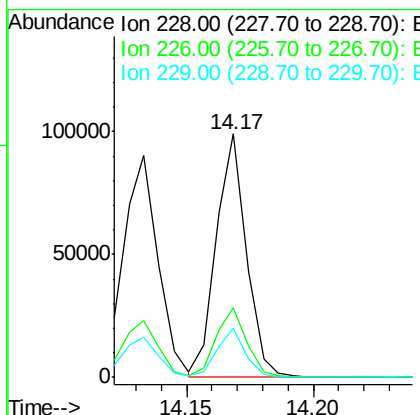
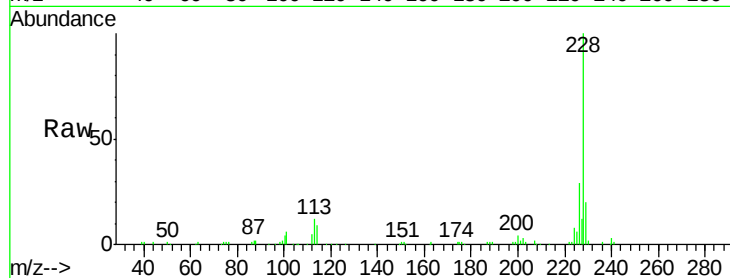
#83
Chrysene
Concen: 2.320 ng
RT: 14.17 min Scan# 2054
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.7	37.1
229	20.1	15.9	23.9

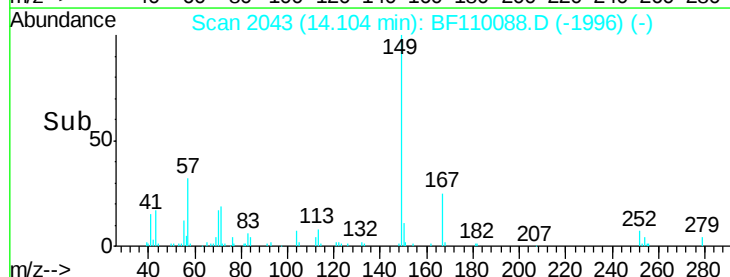
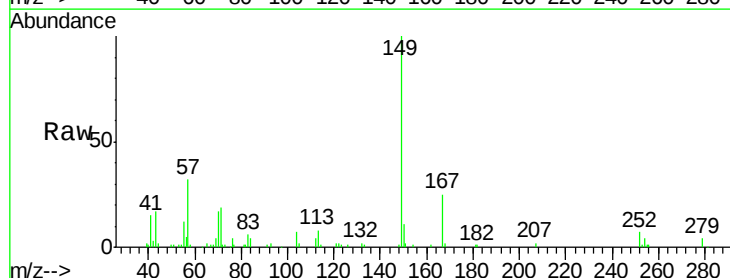
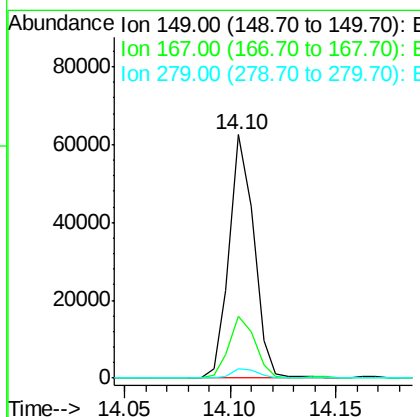
Manual Integrations
APPROVED

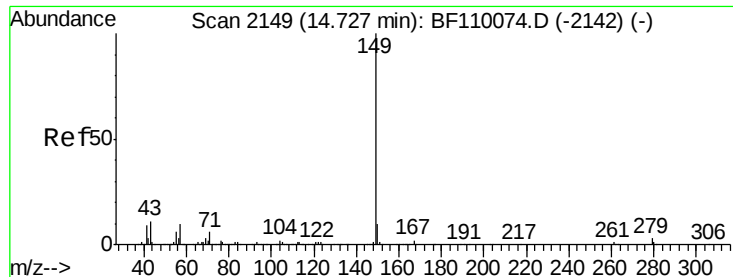
Sohil
10/24/2018 5:12:03 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 1.919 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.1	19.8	29.8
279	4.0	2.7	4.1





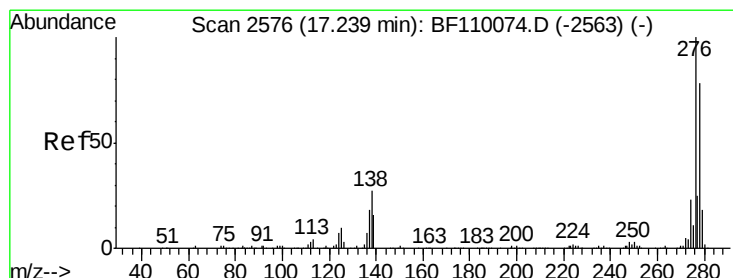
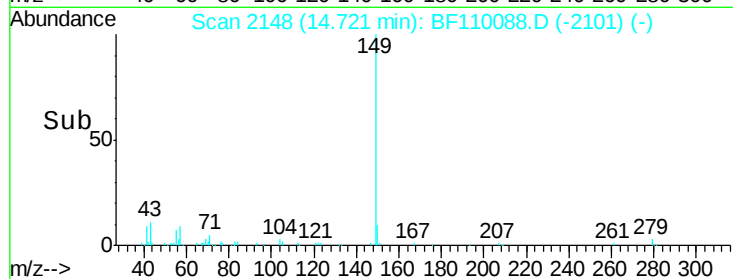
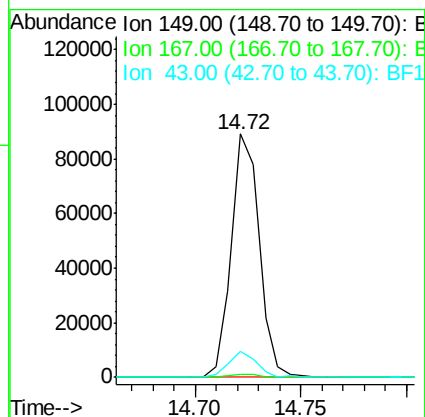
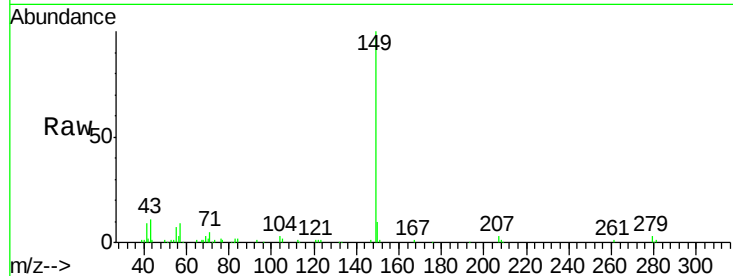
#85
Di-n-octyl phthalate
Concen: 1.980 ng
RT: 14.72 min Scan# 2148
Delta R.T. -0.02 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	10.7	7.8	11.8

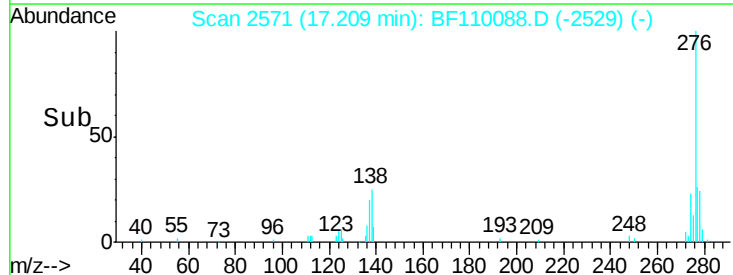
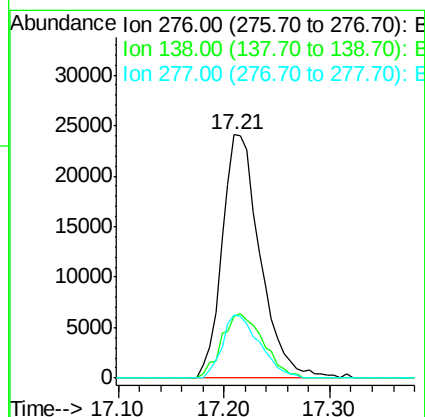
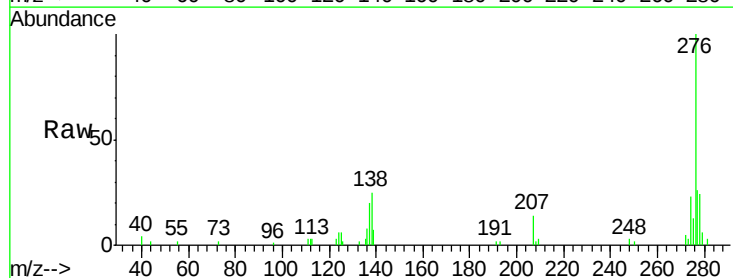
Manual Integrations
APPROVED

Sohil
10/24/2018 5:12:03 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.044 ng
RT: 17.21 min Scan# 2571
Delta R.T. -0.05 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.0	18.5	27.7#
277	25.5	20.0	30.0





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2309

Delta R.T. -0.02 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

Instrument :

BNA_F

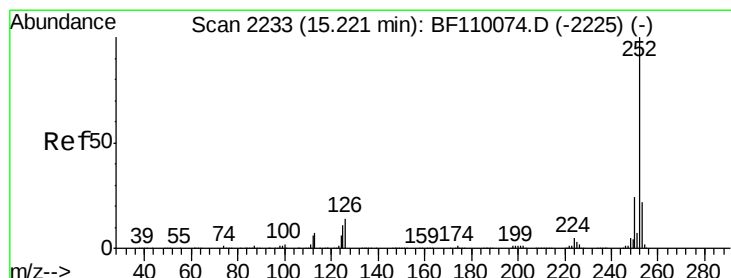
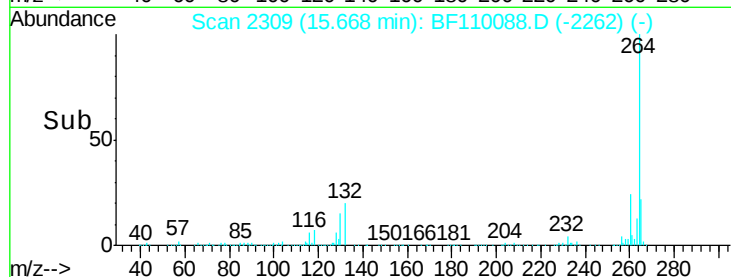
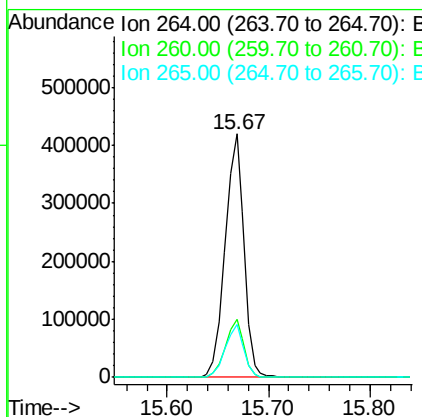
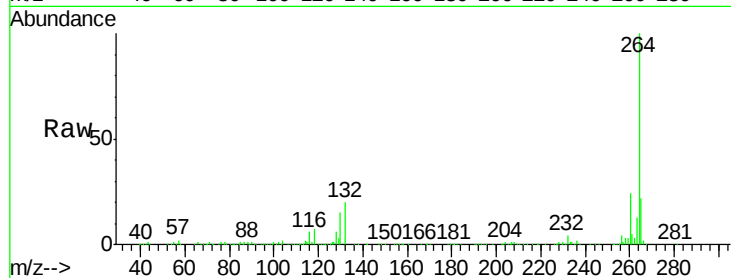
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	264	Resp:	541236
Ion Ratio		Lower	Upper
264	100		
260	23.7	18.7	28.1
265	21.6	16.7	25.1

Manual Integrations
APPROVED

Sohil
10/24/2018 5:12:03 PM



#88

Benzo(b)fluoranthene

Concen: 2.188 ng

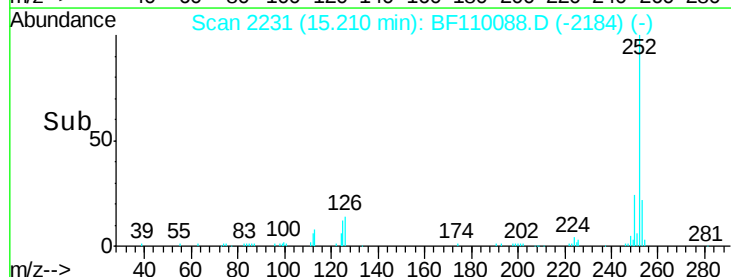
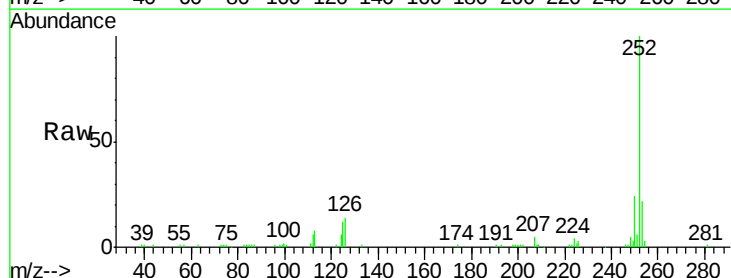
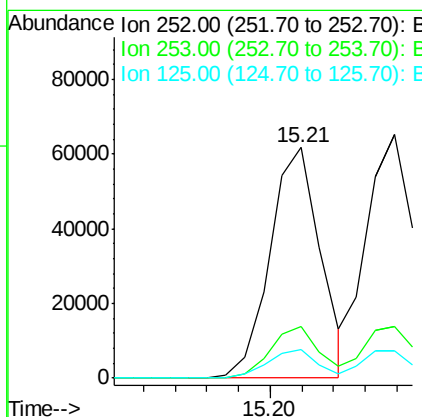
RT: 15.21 min Scan# 2231

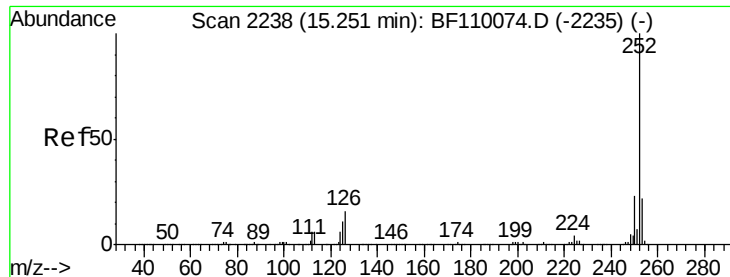
Delta R.T. -0.02 min

Lab File: BF110088.D

Acq: 23 Oct 2018 20:10

Tgt Ion:	252	Resp:	68388
Ion Ratio		Lower	Upper
252	100		
253	22.2	17.2	25.8
125	12.2	8.2	12.4





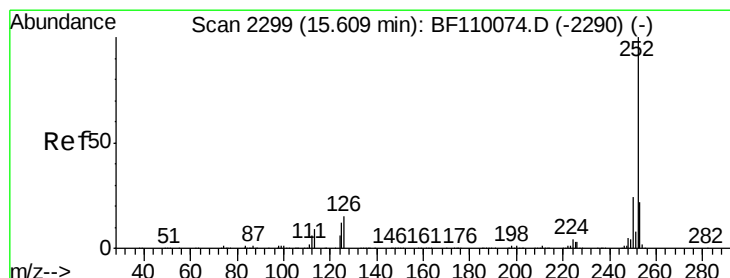
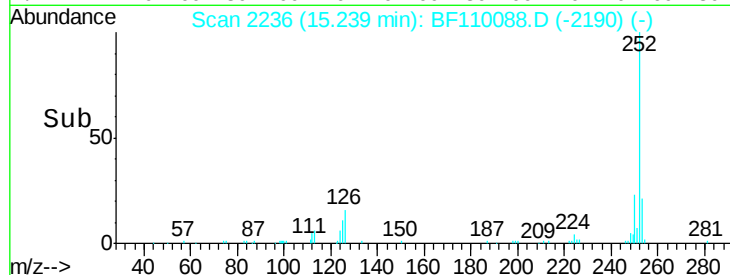
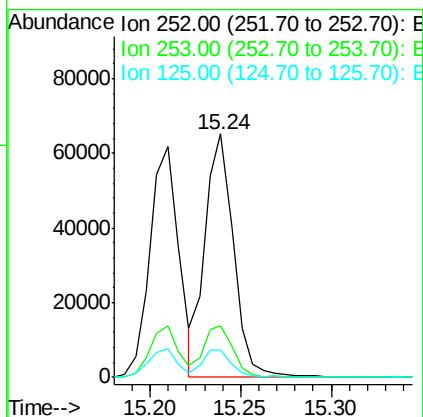
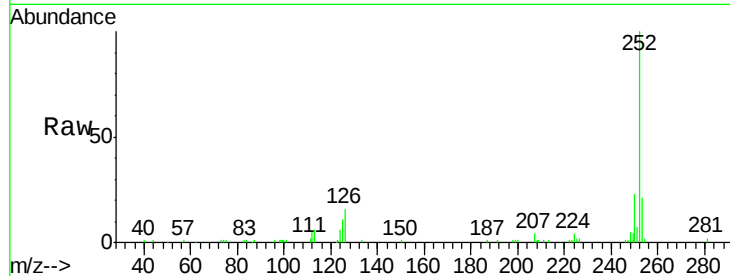
#89
Benzo(k)fluoranthene
Concen: 2.325 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.03 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.2	25.8
125	11.4	7.4	11.0

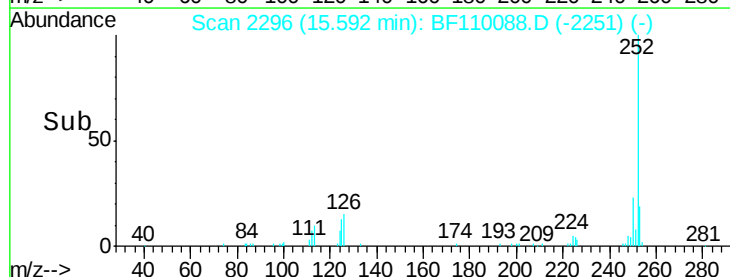
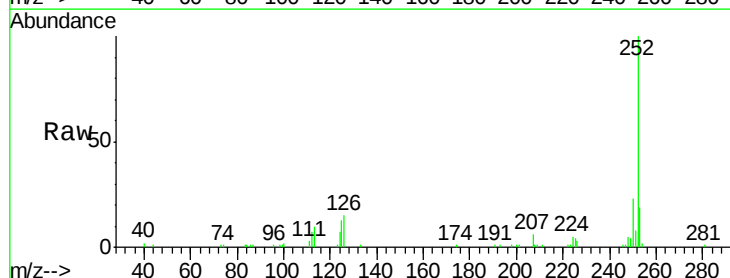
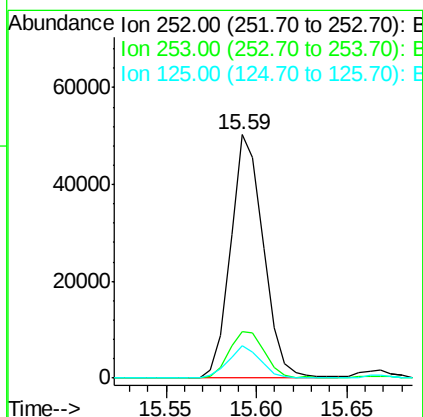
Manual Integrations
APPROVED

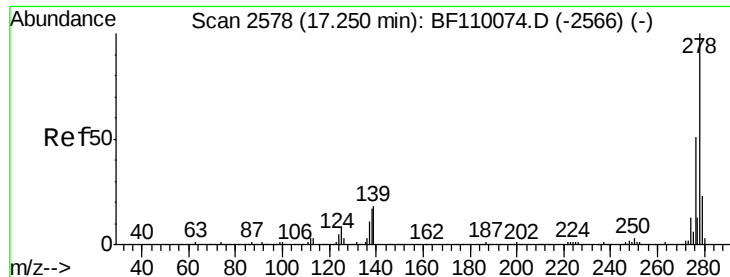
Sohil
10/24/2018 5:12:03 PM



#90
Benzo(a)pyrene
Concen: 2.199 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.04 min
Lab File: BF110088.D
Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.1	18.2	27.4
125	13.2	9.0	13.6





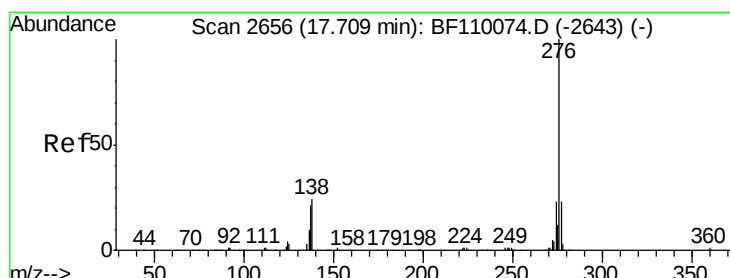
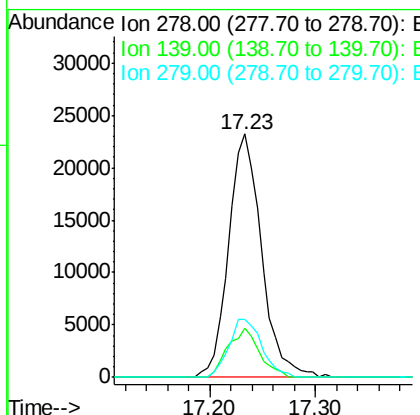
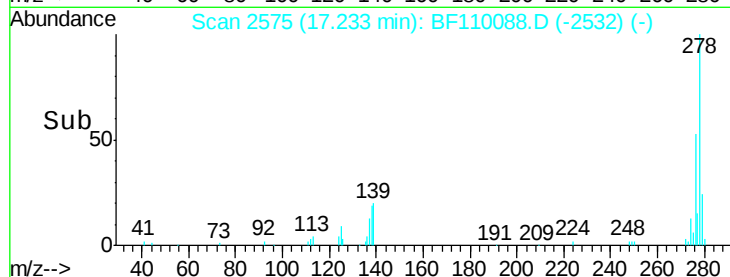
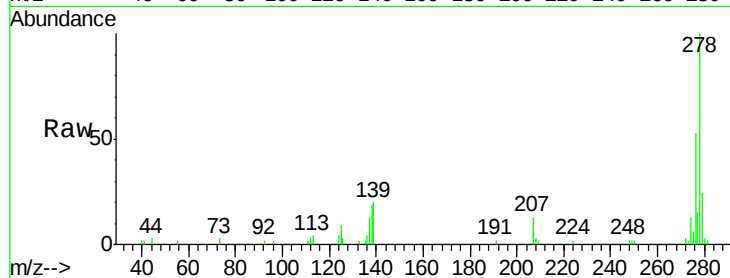
#91
 Dibenzo(a,h)anthracene
 Concen: 2.019 ng
 RT: 17.23 min Scan# 2575
 Delta R.T. -0.05 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.9	12.7	19.1#
279	24.1	19.0	28.4

Manual Integrations
 APPROVED

Sohil
 10/24/2018 5:12:03 PM



#92
 Benzo(g,h,i)perylene
 Concen: 1.982 ng
 RT: 17.69 min Scan# 2652
 Delta R.T. -0.05 min
 Lab File: BF110088.D
 Acq: 23 Oct 2018 20:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	25.5	16.0	24.0#

