

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097698.D
 Acq On : 15 Aug 2017 18:34
 Operator : SJ/JU
 Sample : I4754-01MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

Manual Integrations
 APPROVED

Sohil
 8/16/2017 6:45:24 PM

Quant Time: Aug 16 04:43:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	132046	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	552162	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	250914	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	487724	20.00	ng	0.00
75) Chrysene-d12	13.94	240	288994	20.00	ng	0.00
86) Perylene-d12	15.36	264	264661	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	859827	99.05	ng	0.00
7) Phenol-d6	6.42	99	1172199	99.38	ng	0.00
23) Nitrobenzene-d5	7.35	82	711859	70.04	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	223631	102.72	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	960244	56.23	ng	0.00
78) Terphenyl-d14	12.89	244	819729	59.15	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.50	88	121240	25.042	ng	92
3) Pyridine	3.23	79	332030	24.808	ng	87
4) n-Nitrosodimethylamine	3.17	42	152218	29.558	ng	86
6) Aniline	6.45	93	441446	26.642	ng	99
8) 2-Chlorophenol	6.57	128	292389	31.937	ng	99
9) Benzaldehyde	6.33	77	139462	18.667	ng	86
10) Phenol	6.43	94	473769	34.344	ng	91
11) bis(2-Chloroethyl)ether	6.52	93	320063	30.740	ng	97
12) 1,3-Dichlorobenzene	6.72	146	284921	28.933	ng	# 91
13) 1,4-Dichlorobenzene	6.80	146	289510	28.906	ng	95
14) 1,2-Dichlorobenzene	6.96	146	272478	29.505	ng	99
15) Benzyl Alcohol	6.92	79	306797	34.741	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.06	45	437754	31.248	ng	92
17) 2-Methylphenol	7.03	107	266065	32.978	ng	96
18) Hexachloroethane	7.30	117	117710	29.977	ng	# 81
19) n-Nitroso-di-n-propylamine	7.20	70	248097	30.726	ng	# 90
20) 3+4-Methylphenols	7.19	107	327593	33.244	ng	91
22) Acetophenone	7.19	105	440468	30.196	ng	# 89
24) Nitrobenzene	7.36	77	371696	32.844	ng	91
25) Isophorone	7.60	82	674733	31.925	ng	96
26) 2-Nitrophenol	7.68	139	132333	33.998	ng	# 72
27) 2,4-Dimethylphenol	7.72	122	269563	30.582	ng	93
28) bis(2-Chloroethoxy)methane	7.82	93	417928	30.078	ng	98
29) 2,4-Dichlorophenol	7.92	162	232470	31.772	ng	93
30) 1,2,4-Trichlorobenzene	8.01	180	227935	28.101	ng	97
31) Naphthalene	8.09	128	835317	29.140	ng	100
32) Benzoic acid	7.82	122	143498	25.767	ng	# 81
33) 4-Chloroaniline	8.13	127	306503	25.353	ng	98
34) Hexachlorobutadiene	8.21	225	133304	28.148	ng	98
35) Caprolactam	8.50	113	84301m	33.891	ng	
36) 4-Chloro-3-methylphenol	8.62	107	288435	30.682	ng	# 80
37) 2-Methylnaphthalene	8.78	142	542948	30.894	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.95	216	211360	27.448	ng	# 97
40) Hexachlorocyclopentadiene	8.93	237	237282	64.141	ng	99

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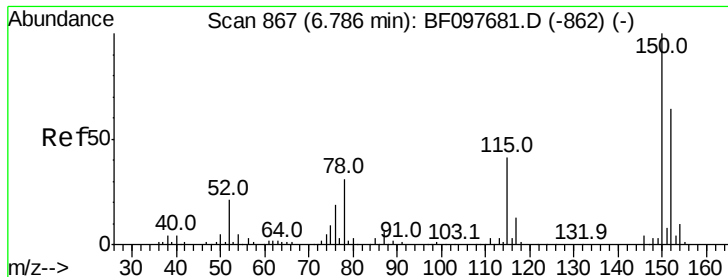
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.05	196	157979	30.557	nq	99
43) 2,4,5-Trichlorophenol	9.09	196	169167	32.983	nq	96
45) 1,1'-Biphenyl	9.25	154	648803	28.356	nq	96
46) 2-Chloronaphthalene	9.27	162	474885	28.089	nq	# 93
47) 2-Nitroaniline	9.36	65	185921	32.804	nq	98
48) Acenaphthylene	9.68	152	793126	29.874	nq	100
49) Dimethylphthalate	9.55	163	689704	37.604	nq	98
50) 2,6-Dinitrotoluene	9.60	165	121877	33.290	nq	# 53
51) Acenaphthene	9.86	154	523714	31.278	nq	100
52) 3-Nitroaniline	9.77	138	125923	26.659	nq	# 80
53) 2,4-Dinitrophenol	9.87	184	89773	55.156	nq	# 78
54) Dibenzofuran	10.03	168	714550	31.842	nq	99
55) 4-Nitrophenol	9.93	139	225845	59.938	nq	# 35
56) 2,4-Dinitrotoluene	10.00	165	162025	35.265	nq	# 51
57) Fluorene	10.37	166	521199	30.040	nq	95
58) 2,3,4,6-Tetrachlorophenol	10.14	232	140984	35.504	nq	95
59) Diethylphthalate	10.25	149	608720	31.737	nq	99
60) 4-Chlorophenyl-phenylether	10.36	204	242358	30.068	nq	89
61) 4-Nitroaniline	10.39	138	139306	31.030	nq	77
62) Azobenzene	10.52	77	740701	32.511	nq	93
64) 4,6-Dinitro-2-methylphenol	10.41	198	65519	31.886	nq	# 80
65) n-Nitrosodiphenylamine	10.48	169	483466	29.110	nq	99
66) 4-Bromophenyl-phenylether	10.85	248	151735	29.959	nq	98
67) Hexachlorobenzene	10.91	284	146013	28.285	nq	# 81
68) Atrazine	11.01	200	147333	33.450	nq	97
69) Pentachlorophenol	11.10	266	182454	60.618	nq	98
70) Phenanthrene	11.33	178	773251	29.753	nq	100
71) Anthracene	11.38	178	789880	29.965	nq	99
72) Carbazole	11.53	167	737941	29.492	nq	99
73) Di-n-butylphthalate	11.87	149	952572	33.051	nq	99
74) Fluoranthene	12.51	202	778823	28.710	nq	97
76) Benzidine	12.63	184	201489	21.264	nq	# 93
77) Pyrene	12.74	202	778836	32.951	nq	98
79) Butylbenzylphthalate	13.37	149	355456	39.224	nq	# 69
80) Benzo(a)anthracene	13.93	228	521750	30.123	nq	99
81) 3,3'-Dichlorobenzidine	13.89	252	160150	27.401	nq	# 97
82) Chrysene	13.96	228	500727	29.061	nq	100
83) Bis(2-ethylhexyl)phthalate	13.93	149	432458	43.065	nq	# 99
84) Di-n-octyl phthalate	14.54	149	695727	39.818	nq	99
85) Indeno(1,2,3-cd)pyrene	16.76	276	520455	41.062	nq	95
87) Benzo(b)fluoranthene	14.96	252	477072	28.597	nq	97
88) Benzo(k)fluoranthene	14.98	252	430017	27.436	nq	# 95
89) Benzo(a)pyrene	15.30	252	447987	30.334	nq	99
90) Dibenzo(a,h)anthracene	16.79	278	428616	35.649	nq	98
91) Benzo(g,h,i)perylene	17.19	276	439787	35.056	nq	93

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



#1

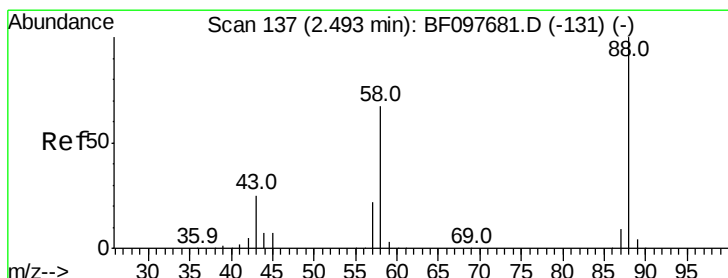
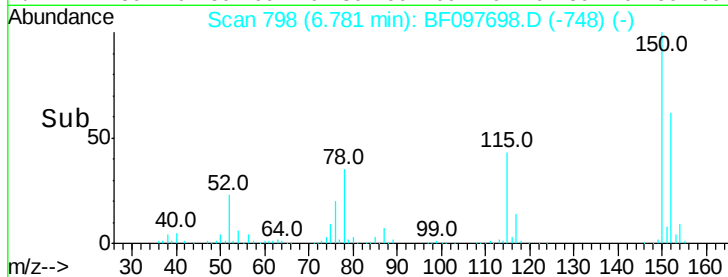
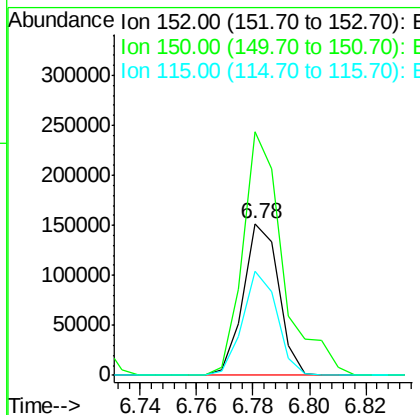
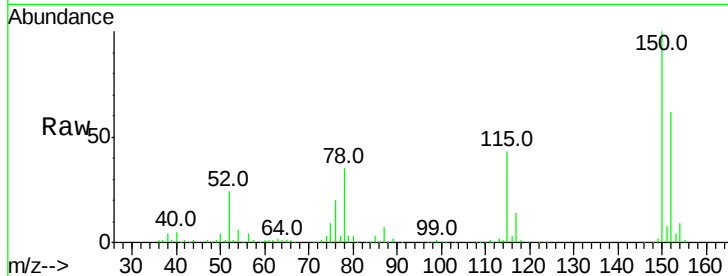
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	126.2	189.2
115	69.0	52.2	78.2

Manual Integrations
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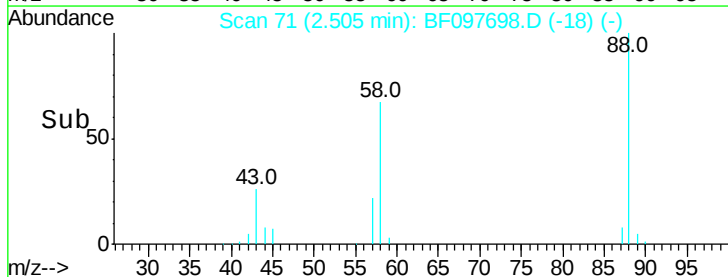
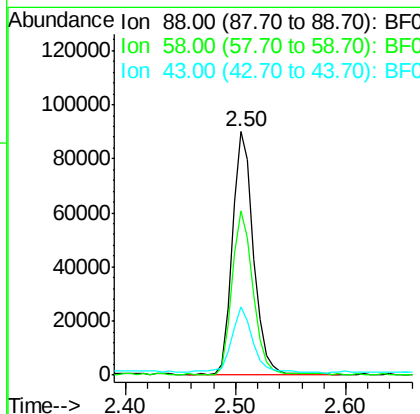
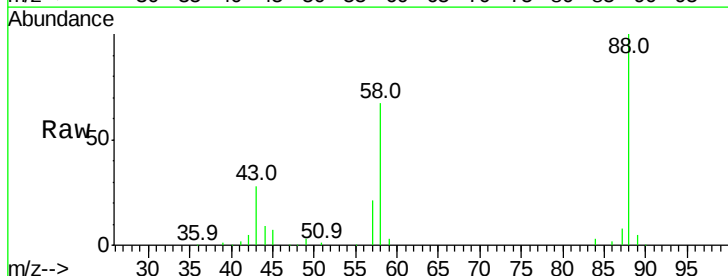
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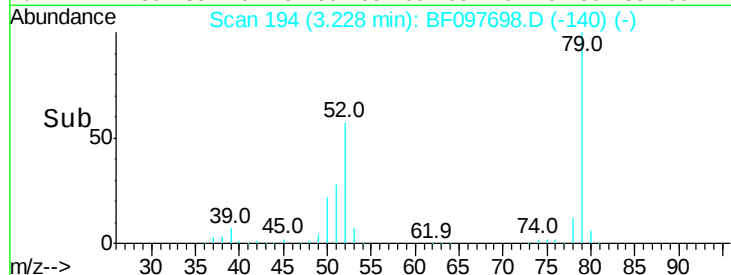
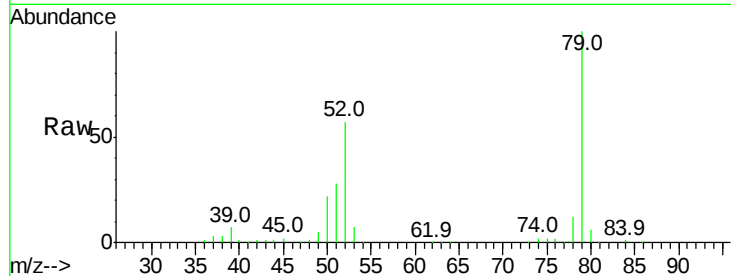
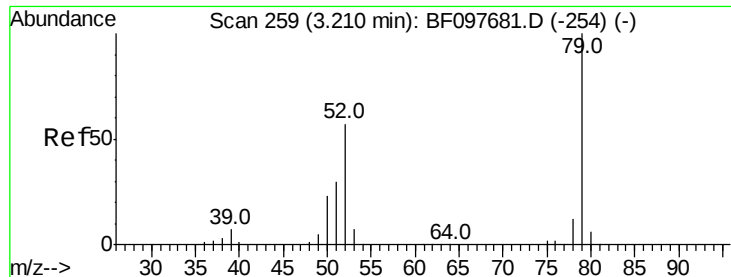


#2

1,4-Dioxane
Concen: 25.042 ng
RT: 2.50 min Scan# 71
Delta R.T. 0.01 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.2	61.4	92.0
43	28.1	23.4	35.0





#3

Pvridine

Concen: 24.808 ng

RT: 3.23 min Scan# 194

Delta R.T. 0.02 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Tot Ion:	79	Resp:	332030
Ion Ratio	Lower	Upper	
79	100		
52	56.6	54.8	82.2
51	28.0	27.0	40.4

Instrument :

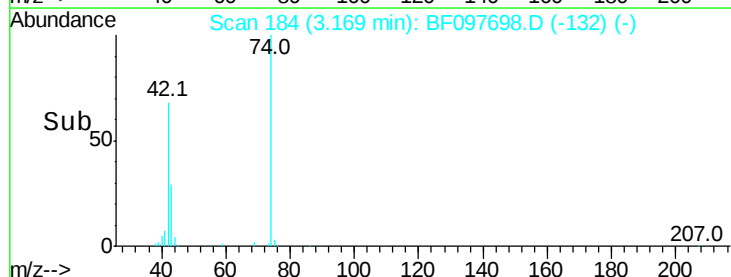
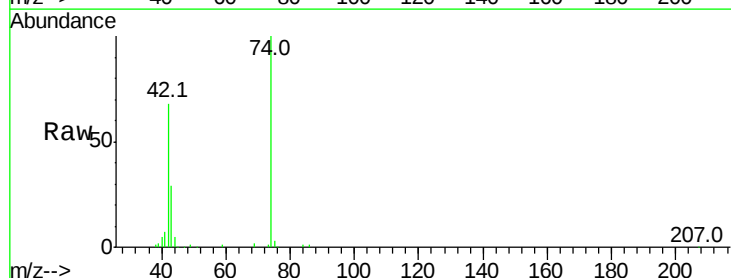
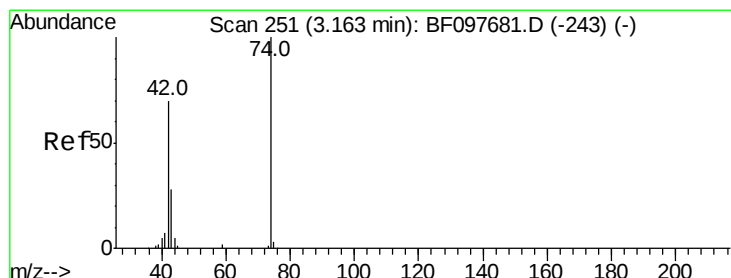
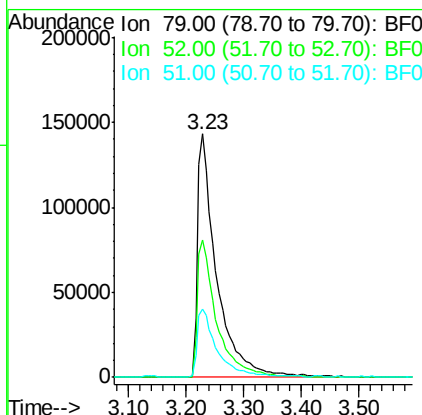
BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

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#4

n-Nitrosodimethylamine

Concen: 29.558 ng

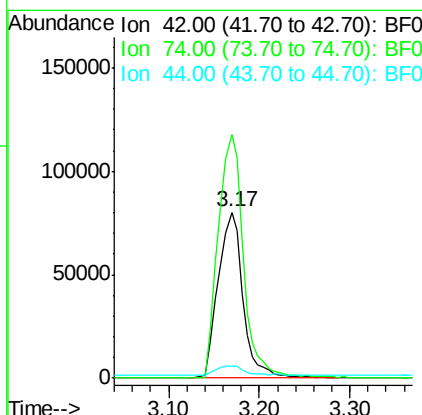
RT: 3.17 min Scan# 184

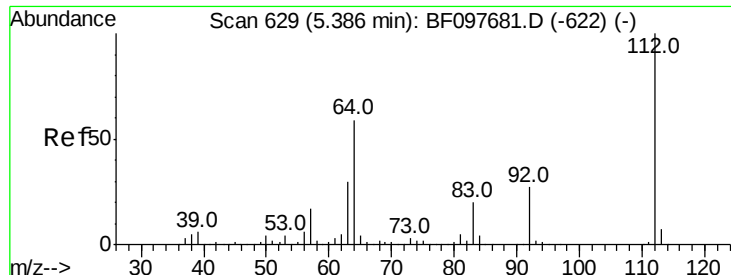
Delta R.T. 0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Tgt Ion:	42	Resp:	152218
Ion Ratio	Lower	Upper	
42	100		
74	147.0	103.9	155.9
44	7.5	5.7	8.5





#5

2-Fluorophenol

Concen: 99.046 ng

RT: 5.39 min Scan# 562

Delta R.T. 0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

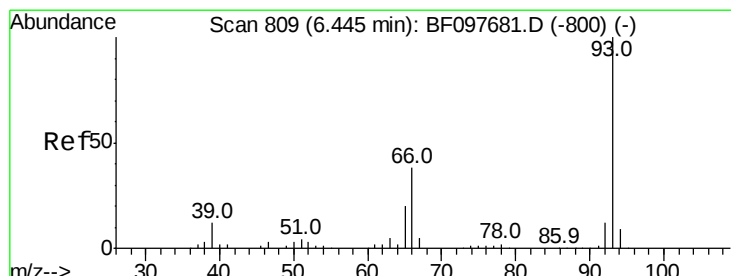
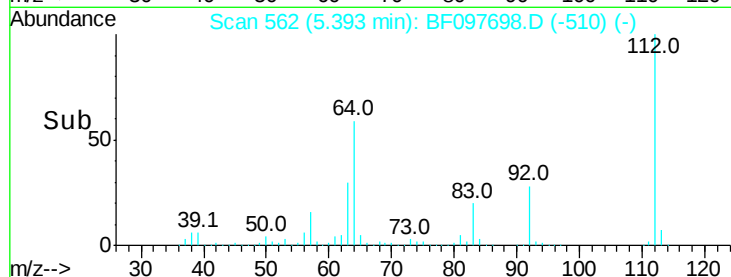
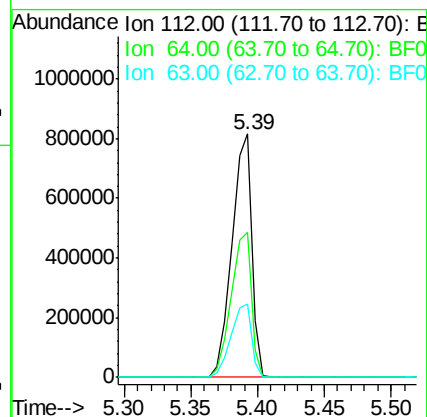
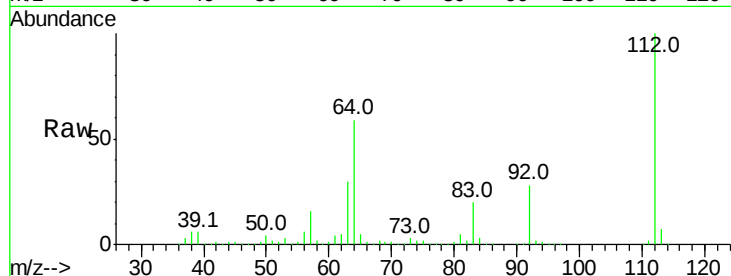
ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

Tot Ion:	112	Resp:	859827
Ion Ratio	Lower	Upper	
112	100		
64	59.4	46.0	69.0
63	30.1	23.4	35.0

Manual Integrations
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#6

Aniline

Concen: 26.642 ng

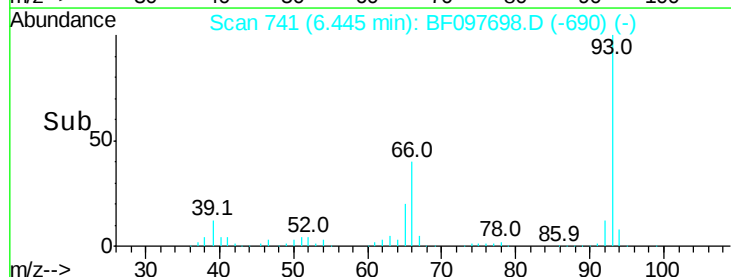
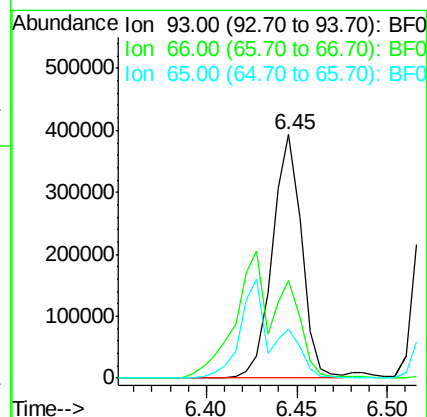
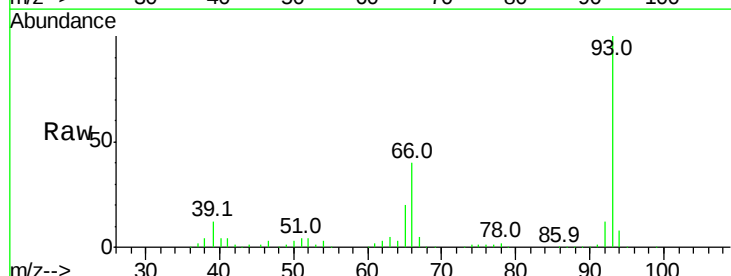
RT: 6.45 min Scan# 741

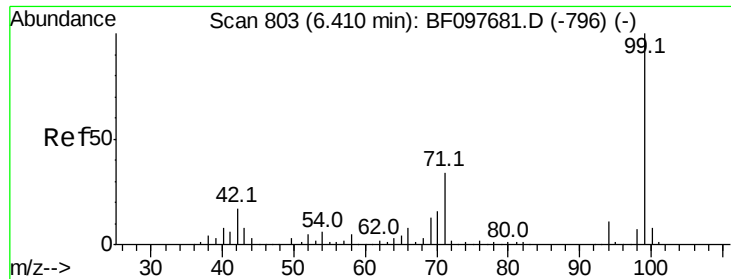
Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Tgt Ion:	93	Resp:	441446
Ion Ratio	Lower	Upper	
93	100		
66	40.0	32.9	49.3
65	20.0	16.0	24.0





#7

Phenol-d6

Concen: 99.380 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

Tot Ion: 99 Resp: 1172199

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

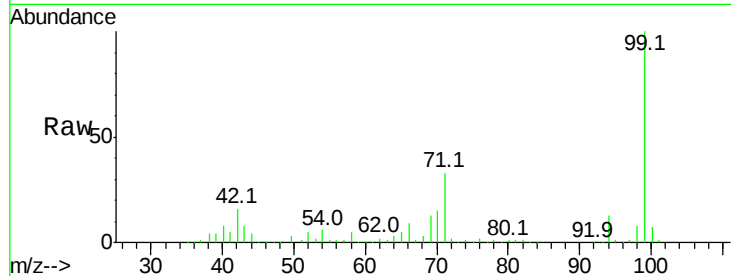
71 32.7 24.5 36.7

Manual Integrations

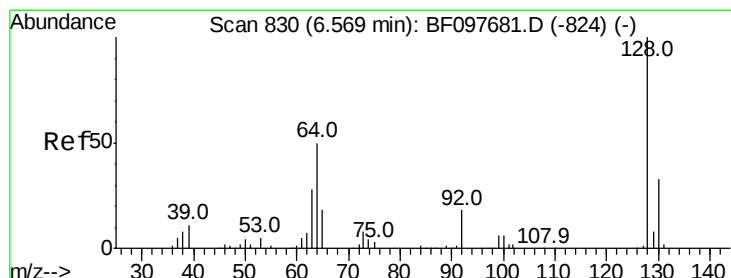
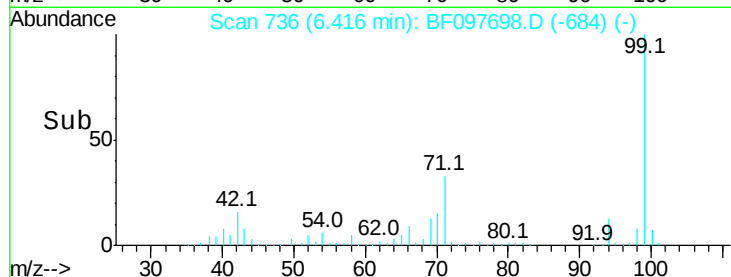
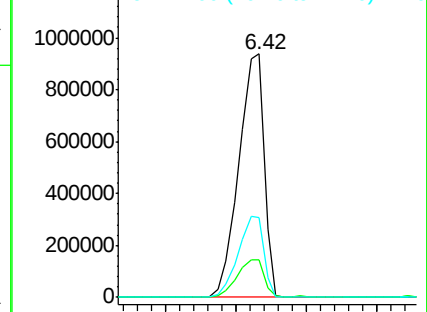
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 31.937 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

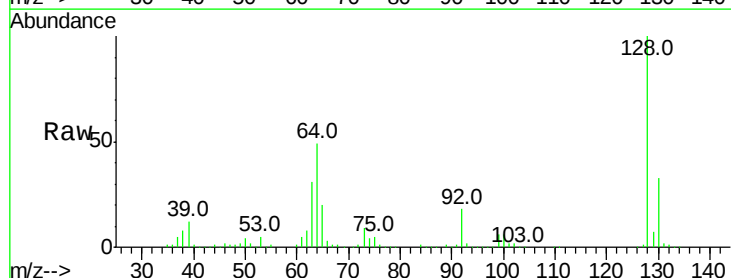
Tgt Ion:128 Resp: 292389

Ion Ratio Lower Upper

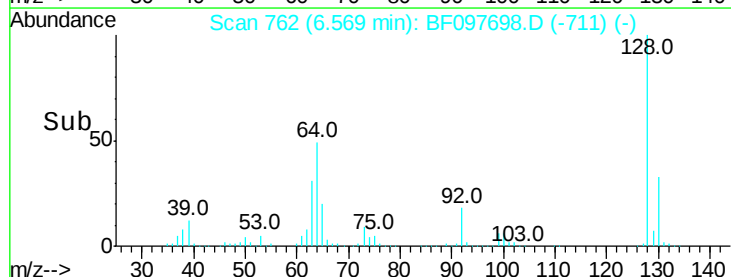
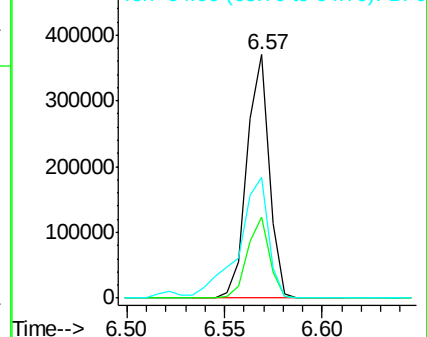
128 100

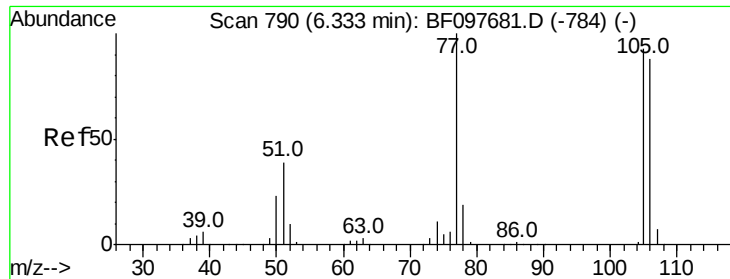
130 33.2 12.9 52.9

64 49.4 28.4 68.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 18.667 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

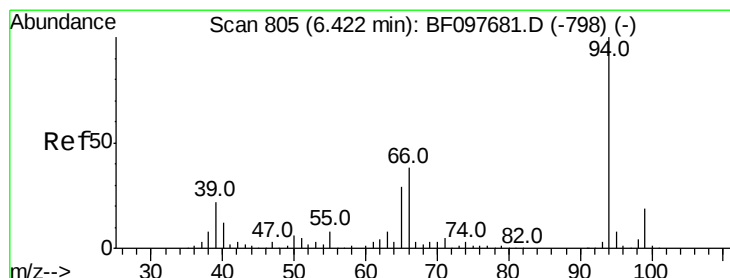
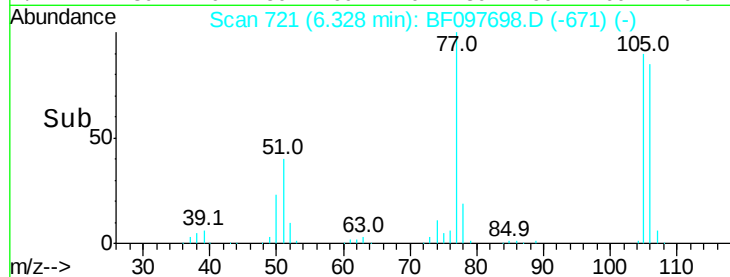
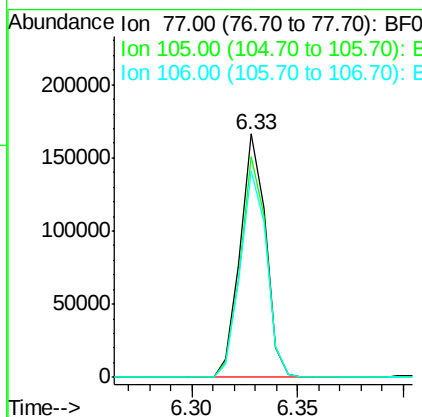
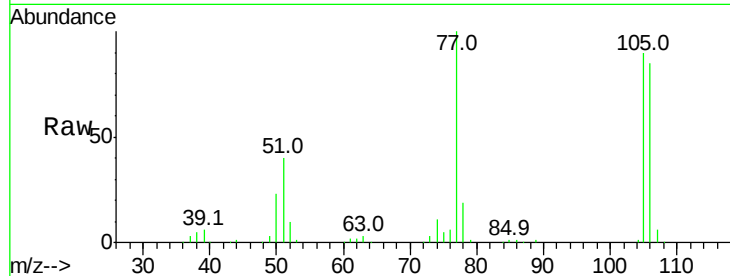
ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

Tot Ion:	77	Resp:	139462
Ion Ratio	Lower	Upper	
77	100		
105	90.4	83.8	123.8
106	85.0	79.1	119.1

Manual Integrations
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#10

Phenol

Concen: 34.344 ng

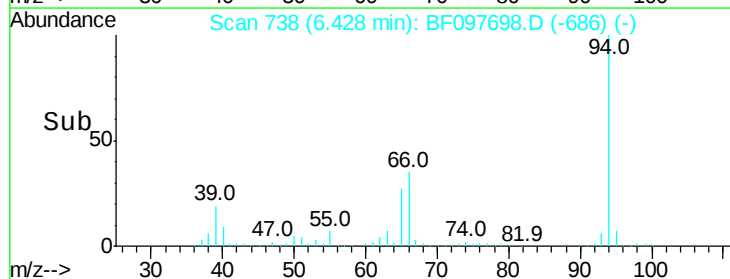
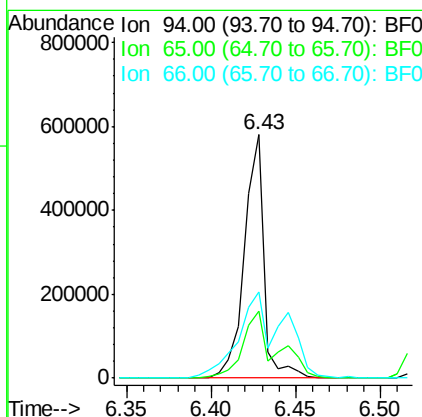
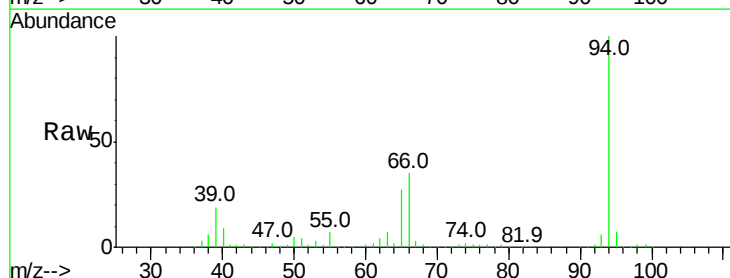
RT: 6.43 min Scan# 738

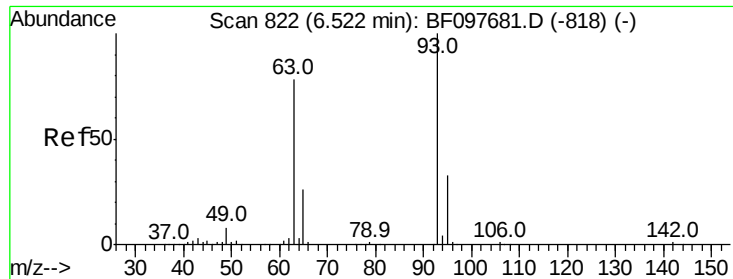
Delta R.T. 0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Tgt Ion:	94	Resp:	473769
Ion Ratio	Lower	Upper	
94	100		
65	27.4	9.9	49.9
66	35.2	23.1	63.1





#11

bis(2-Chloroethyl)ether

Concen: 30.740 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

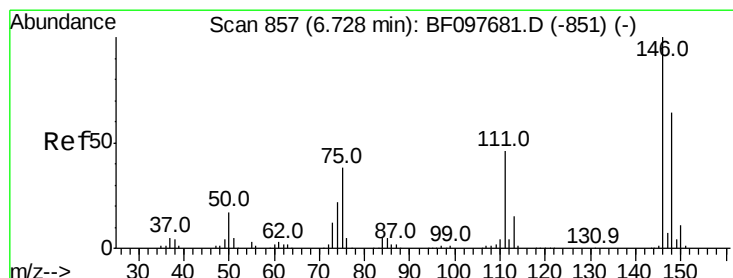
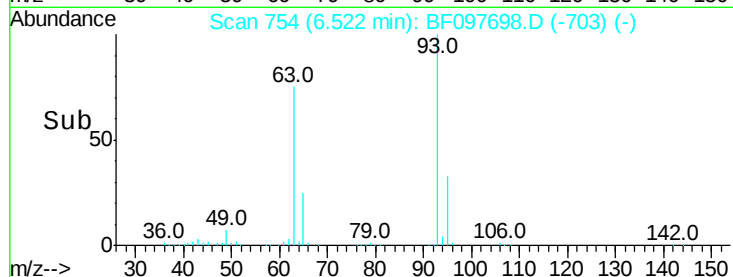
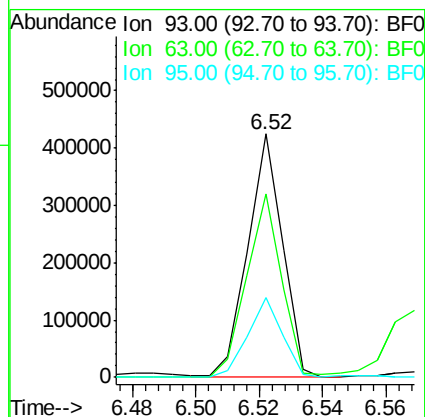
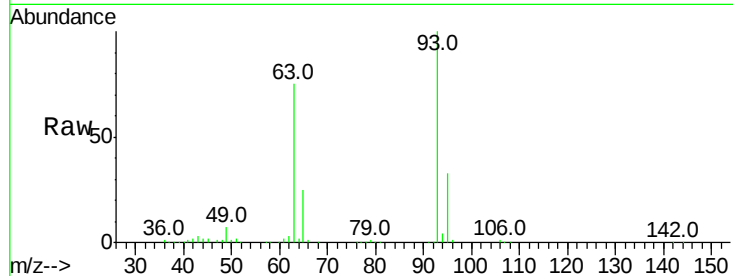
ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

Tot Ion:	93	Resp:	320063
Ion Ratio	Lower	Upper	
93	100		
63	75.3	59.2	99.2
95	32.6	12.8	52.8

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 28.933 ng

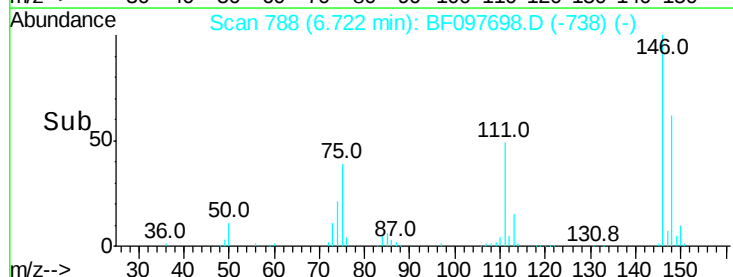
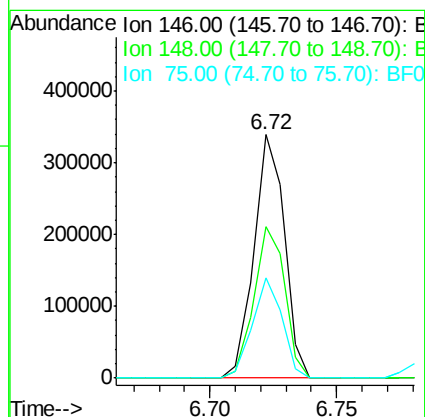
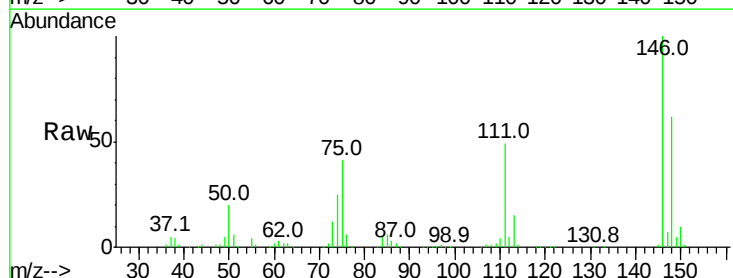
RT: 6.72 min Scan# 788

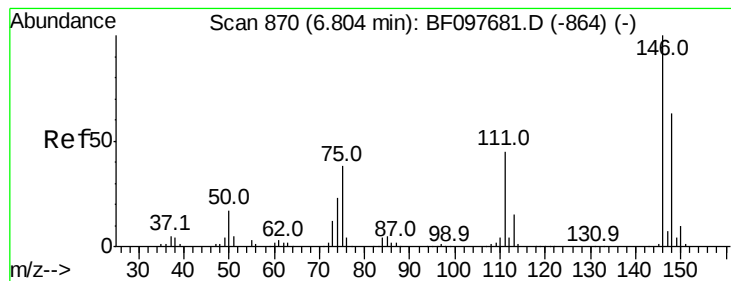
Delta R.T. -0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Tgt Ion:	146	Resp:	284921
Ion Ratio	Lower	Upper	
146	100		
148	62.4	51.8	77.6
75	41.3	23.1	34.7#





#13

1,4-Dichlorobenzene

Concen: 28.906 ng

RT: 6.80 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

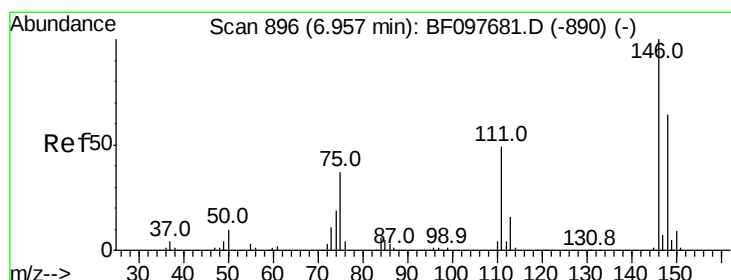
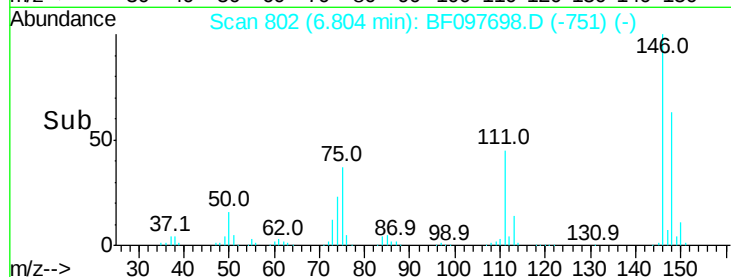
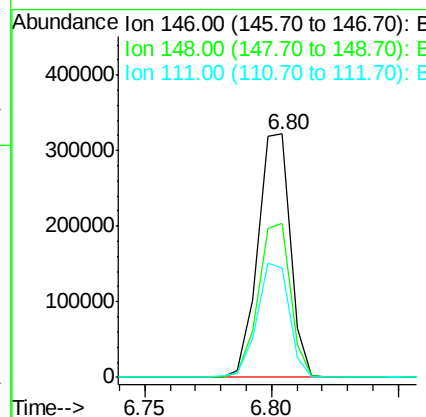
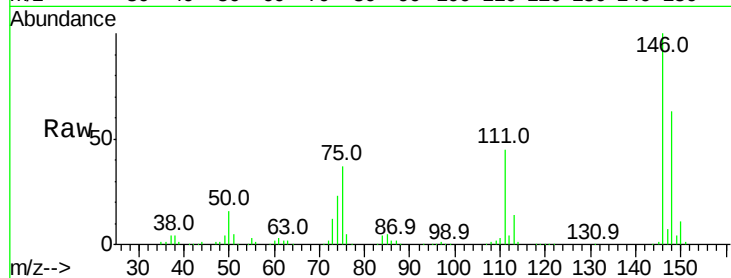
ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

Tot Ion:	146	Resp:	289510
Ion Ratio	Lower	Upper	
146	100		
148	63.5	52.2	78.2
111	44.6	30.3	45.5

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 29.505 ng

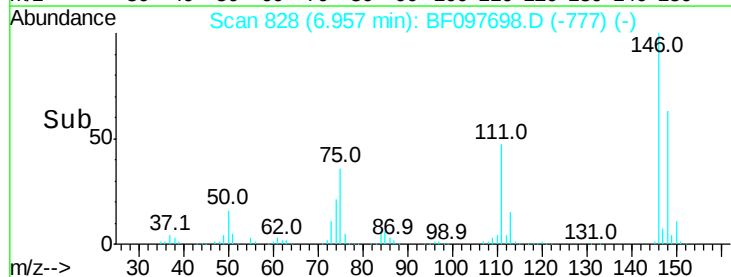
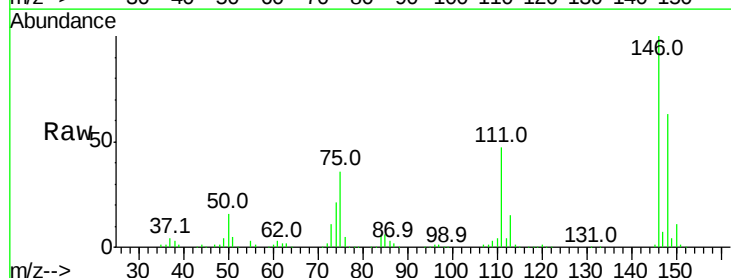
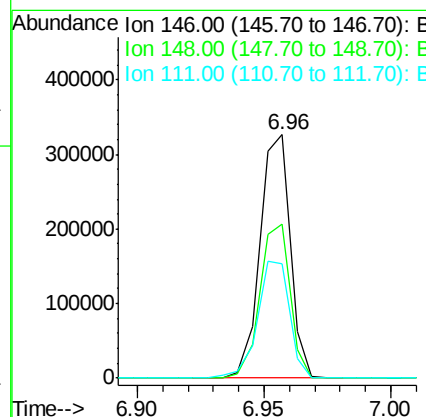
RT: 6.96 min Scan# 828

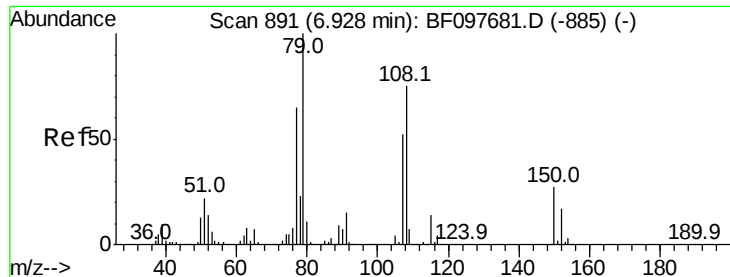
Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Tgt Ion:	146	Resp:	272478
Ion Ratio	Lower	Upper	
146	100		
148	63.4	50.4	75.6
111	46.8	38.2	57.4





#15

Benzyl Alcohol

Concen: 34.741 ng

RT: 6.92 min Scan# 822

Delta R.T. -0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

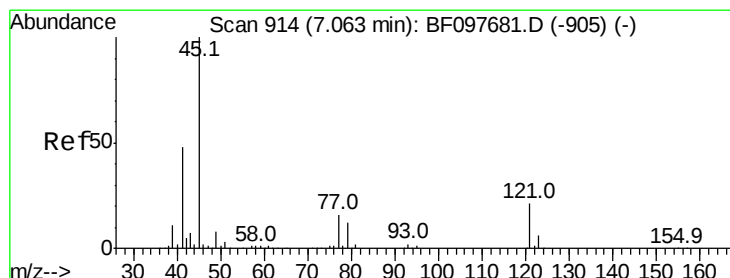
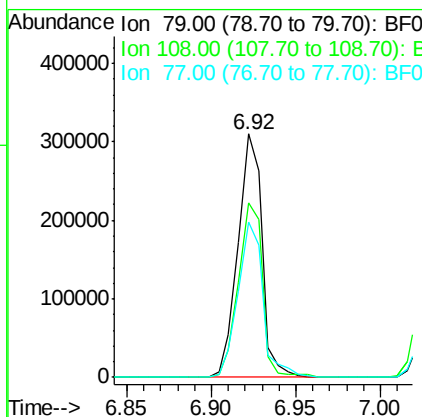
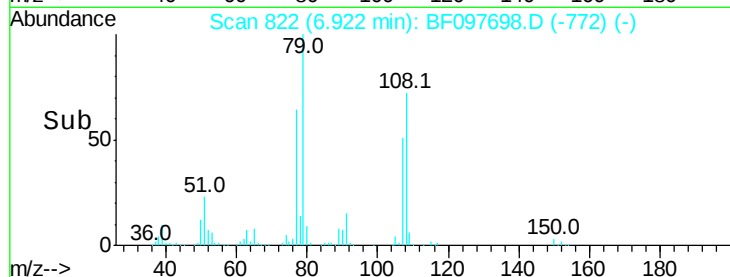
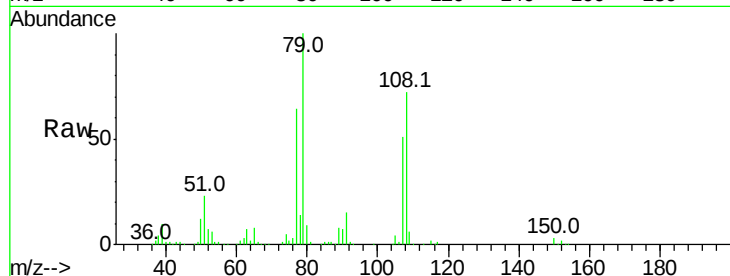
ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

Tot Ion:	79	Resp:	306797
Ion Ratio	Lower	Upper	
79	100		
108	71.9	63.4	95.0
77	63.9	49.2	73.8

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 31.248 ng

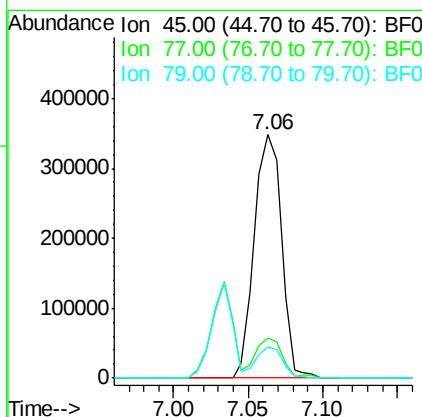
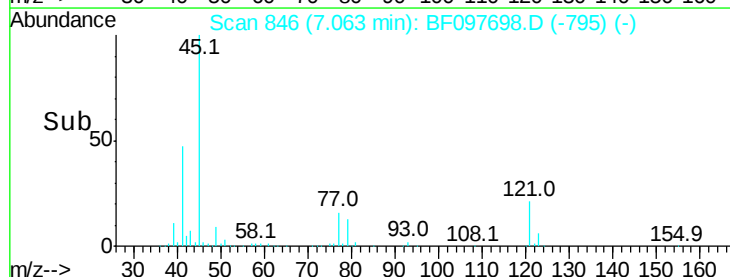
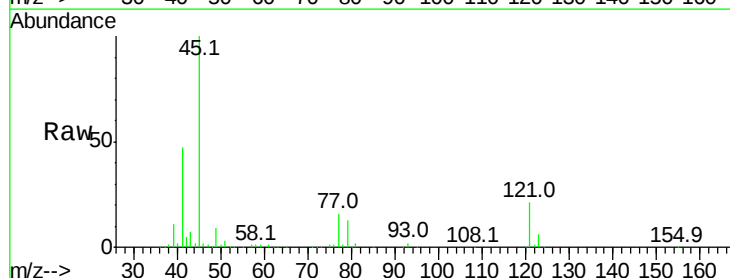
RT: 7.06 min Scan# 846

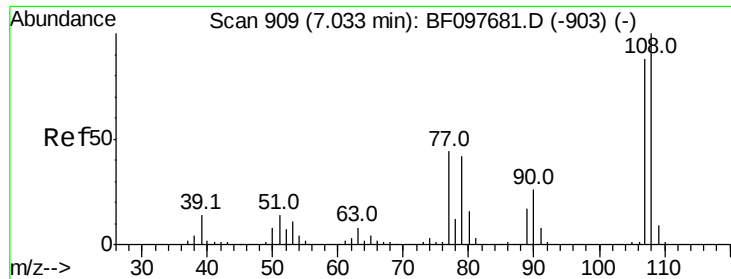
Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Tgt Ion:	45	Resp:	437754
Ion Ratio	Lower	Upper	
45	100		
77	16.4	0.0	33.2
79	12.6	0.0	30.0





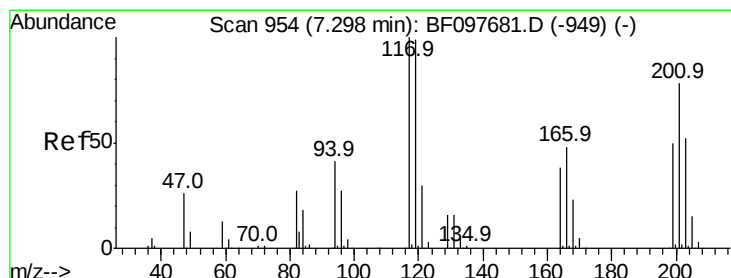
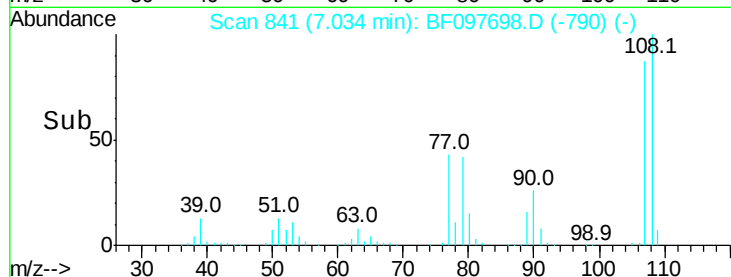
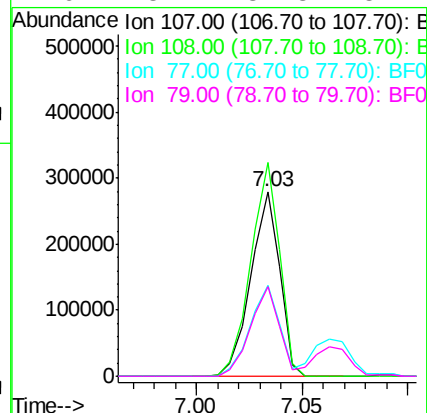
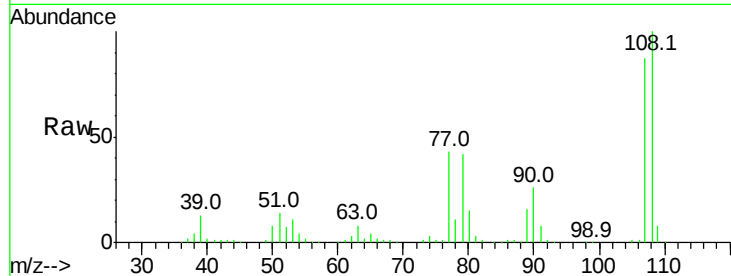
#17
2-Methylphenol
Concen: 32.978 ng
RT: 7.03 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	115.5	93.4	140.0	
77	49.5	35.8	53.6	
79	48.4	34.8	52.2	

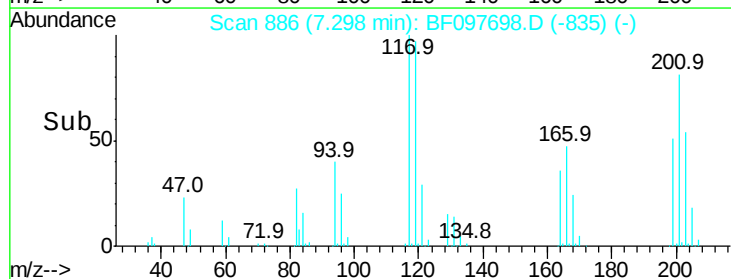
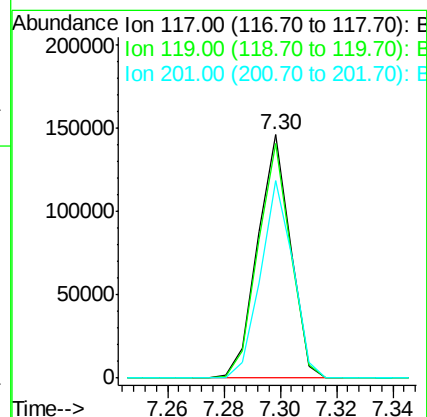
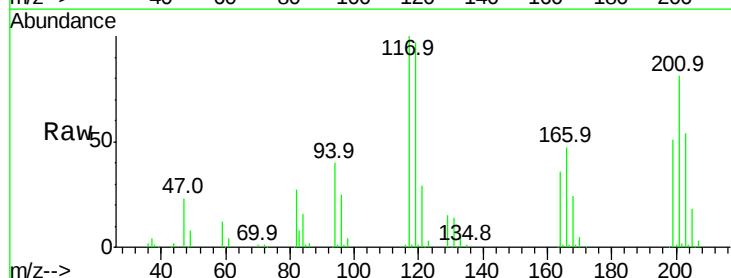
Manual Integrations
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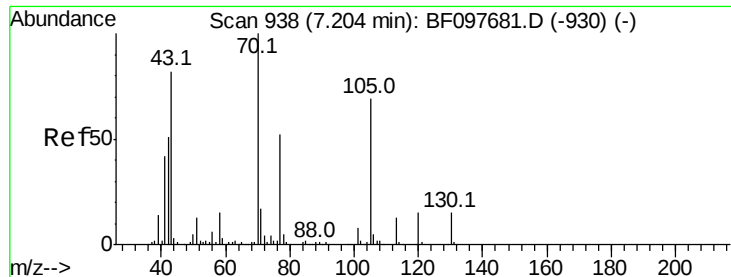
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#18
Hexachloroethane
Concen: 29.977 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.6	77.4	116.0	
201	80.9	94.6	141.8#	





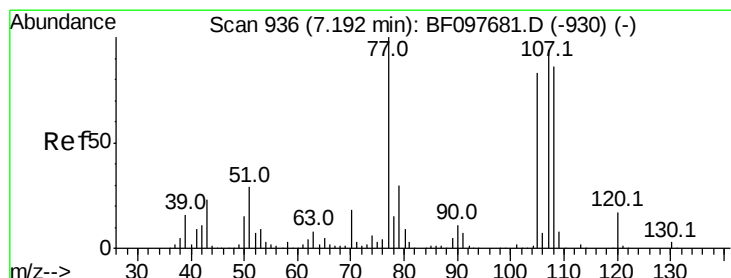
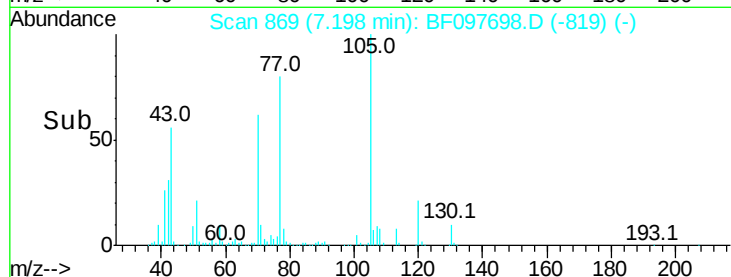
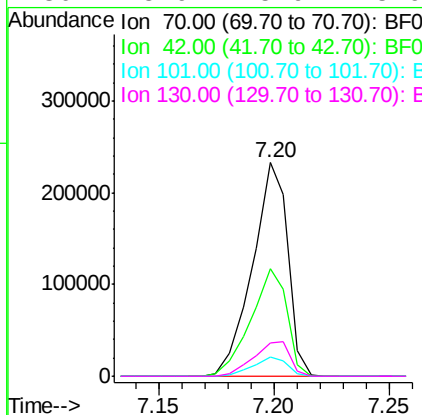
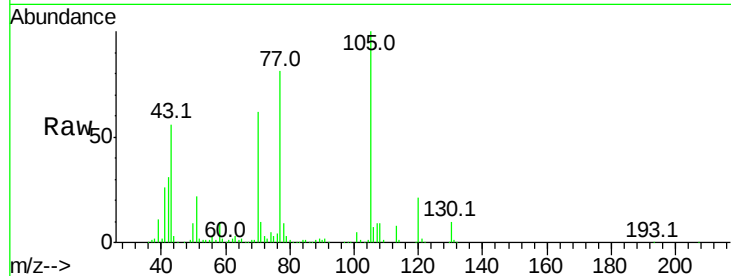
#19
n-Nitroso-di-n-propylamine
Concen: 30.726 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.01 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Lower	Upper
70	100		
42	50.6	47.2	70.8
101	8.7	7.2	10.8
130	15.9	15.9	23.9

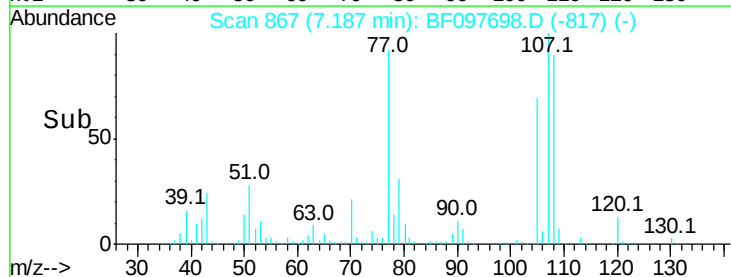
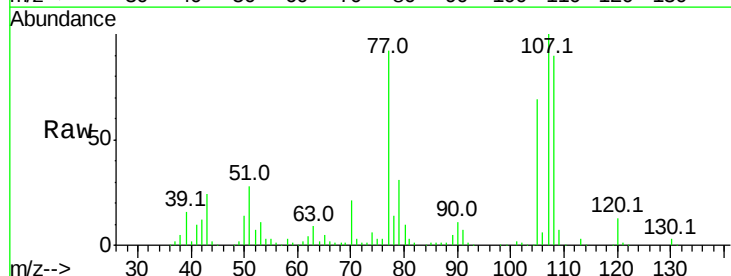
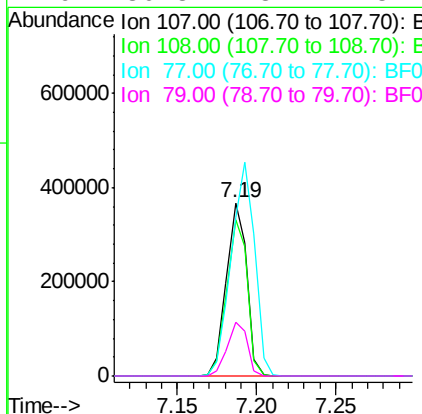
Manual Integrations
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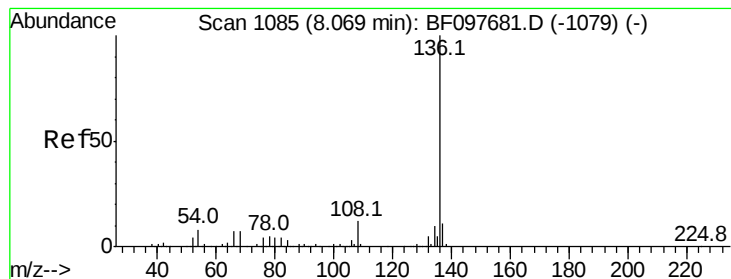
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#20
3+4-Methylphenols
Concen: 33.244 ng
RT: 7.19 min Scan# 867
Delta R.T. -0.01 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.4	71.0	111.0
77	91.6	90.5	130.5
79	30.8	8.4	48.4





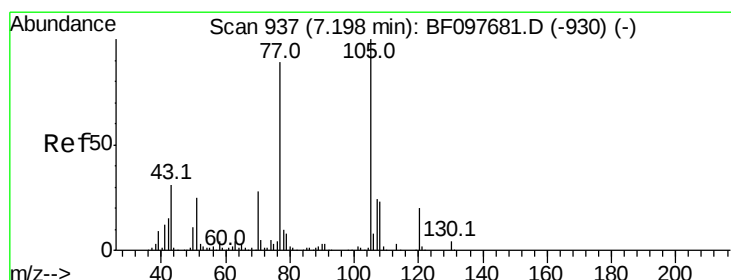
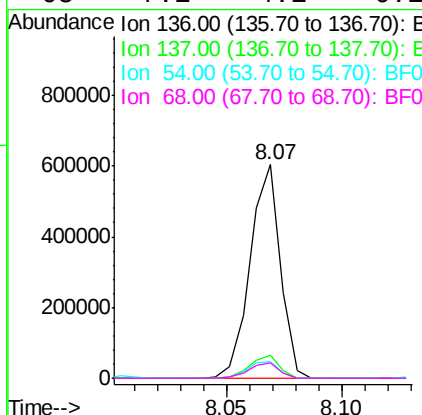
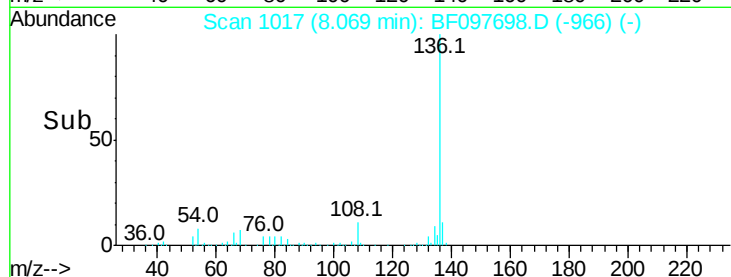
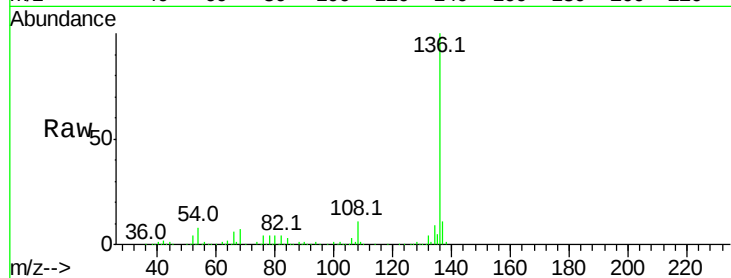
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.5	12.7	
54	7.5	4.9	7.3#	
68	7.1	4.1	6.1#	

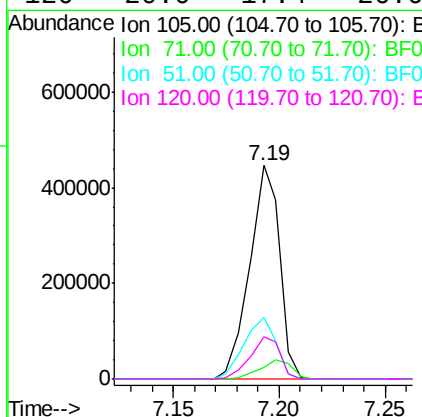
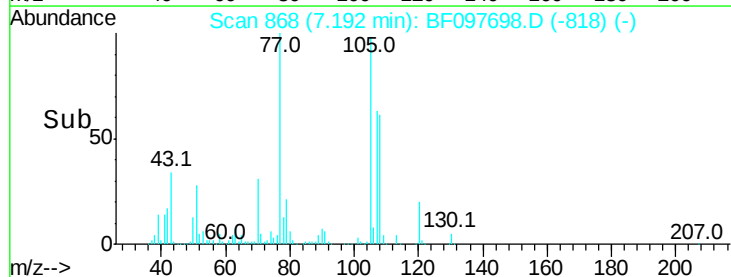
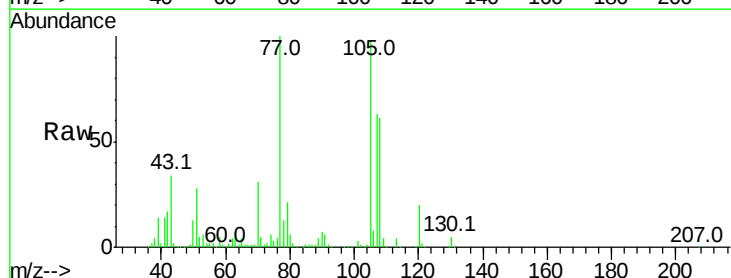
Manual Integrations
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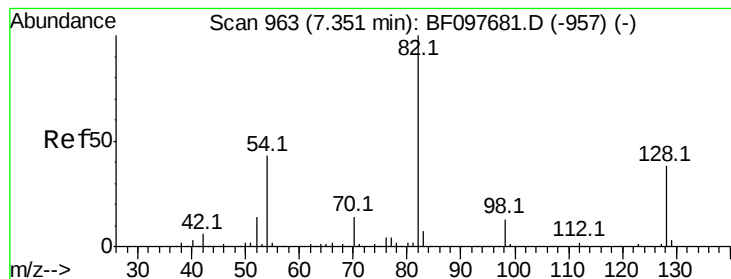
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#22
Acetophenone
Concen: 30.196 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.01 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	5.1	2.8	4.2#	
51	28.9	30.7	46.1#	
120	20.0	17.4	26.0	





#23

Nitrobenzene-d5

Concen: 70.036 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

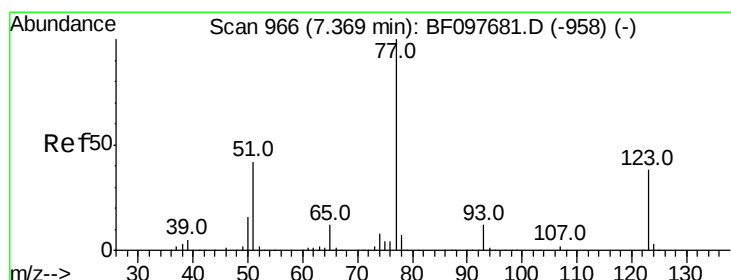
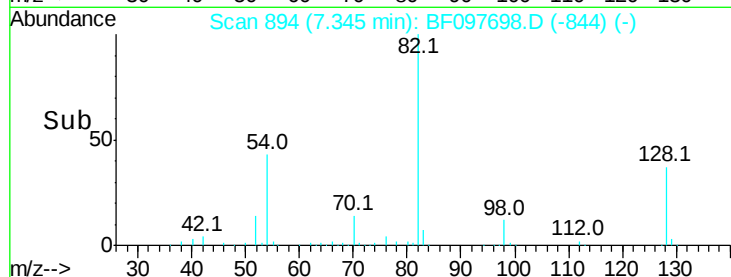
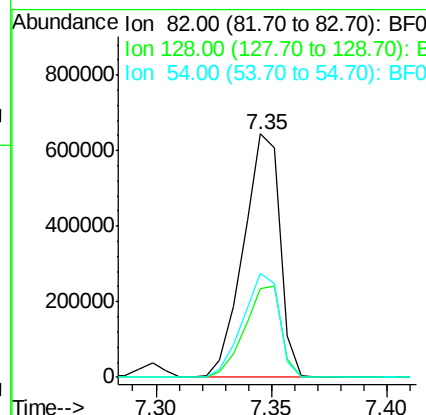
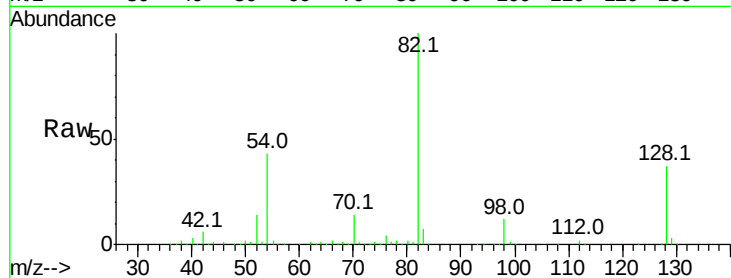
ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

Tot Ion:	82	Resp:	711859
Ion Ratio	Lower	Upper	
82	100		
128	36.6	34.0	51.0
54	42.6	42.2	63.2

Manual Integrations
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#24

Nitrobenzene

Concen: 32.844 ng

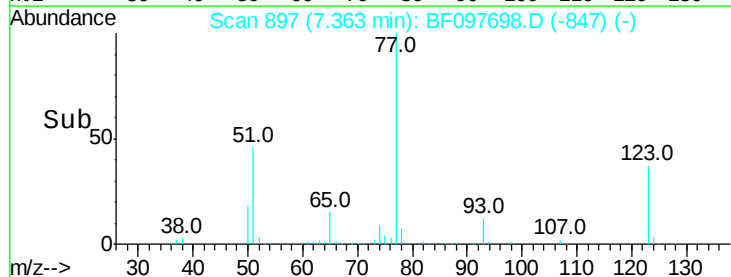
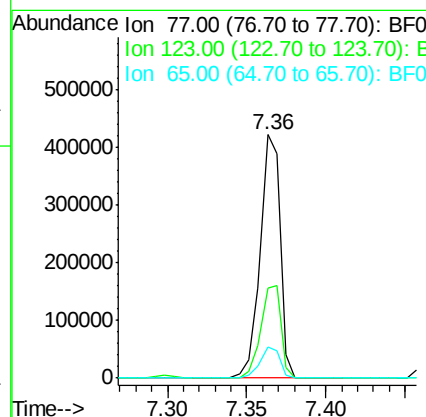
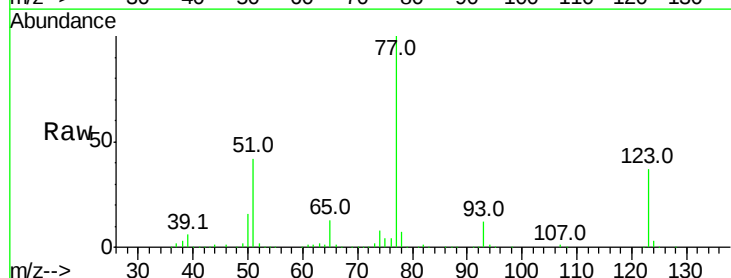
RT: 7.36 min Scan# 897

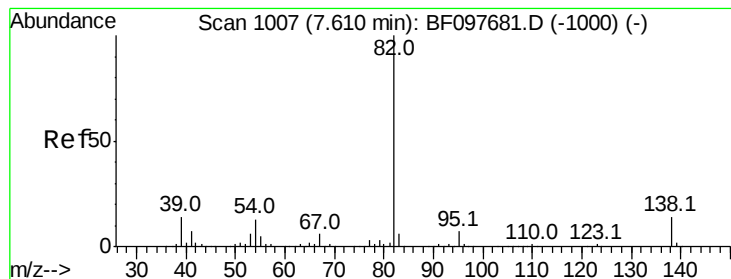
Delta R.T. -0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Tgt Ion:	77	Resp:	371696
Ion Ratio	Lower	Upper	
77	100		
123	37.2	35.8	53.8
65	13.0	10.6	15.8





#25

Isophorone

Concen: 31.925 ng

RT: 7.60 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

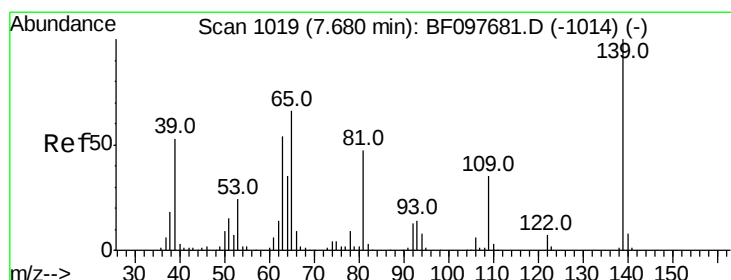
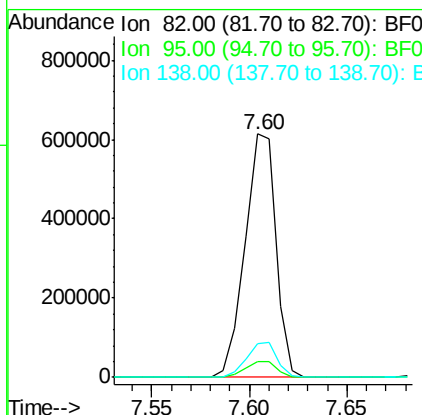
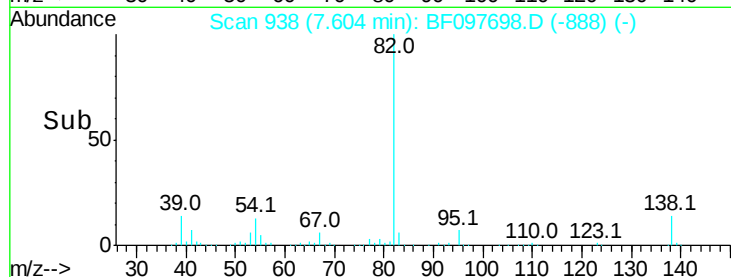
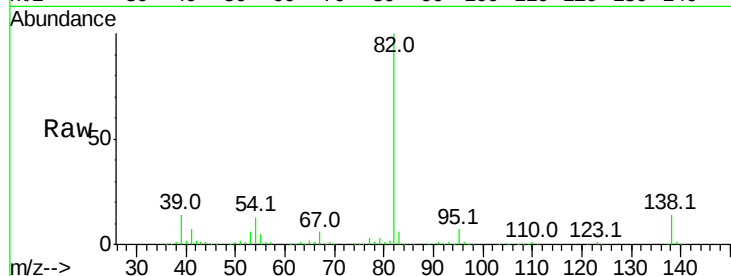
ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

Tot Ion:	82	Resp:	674733
Ion Ratio	Lower	Upper	
82	100		
95	6.5	5.3	7.9
138	13.8	13.1	19.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 33.998 ng

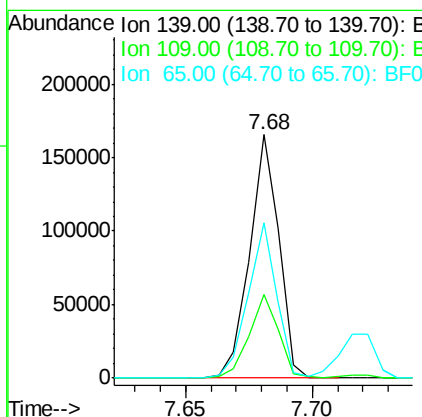
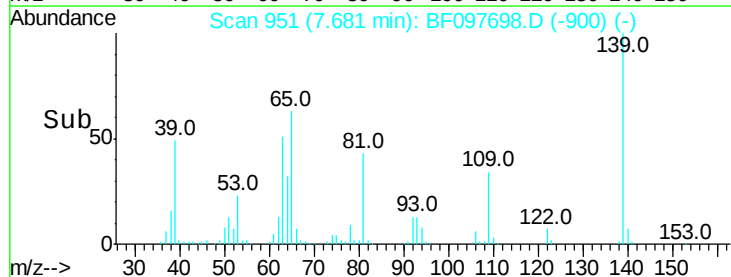
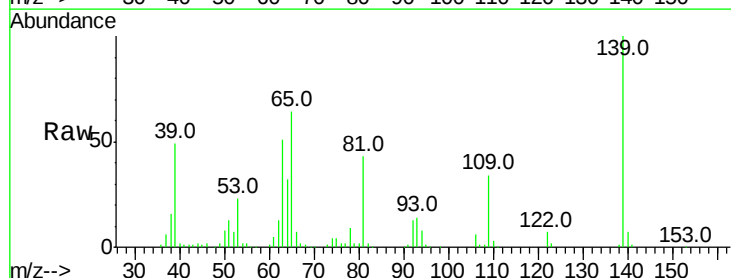
RT: 7.68 min Scan# 951

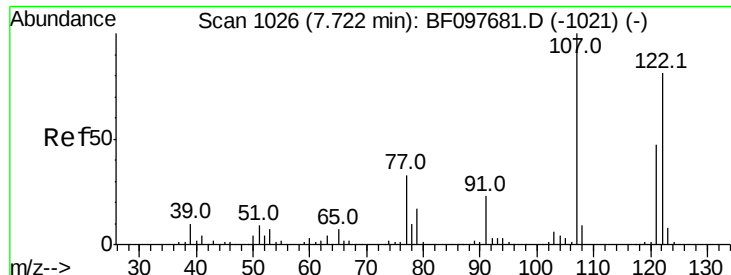
Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Tgt Ion:	139	Resp:	132333
Ion Ratio	Lower	Upper	
139	100		
109	34.4	21.0	31.6#
65	63.7	33.0	49.6#





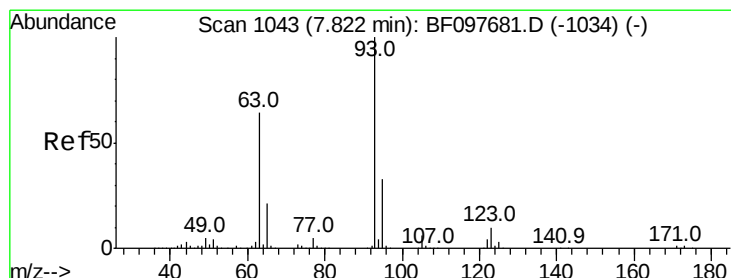
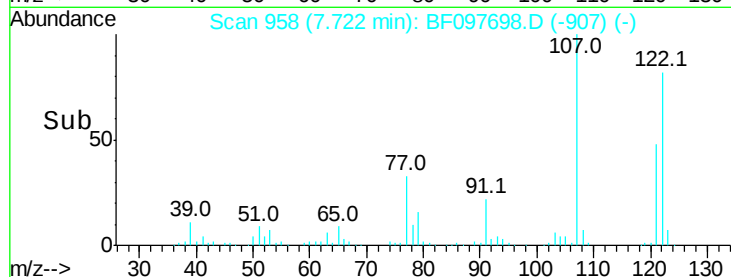
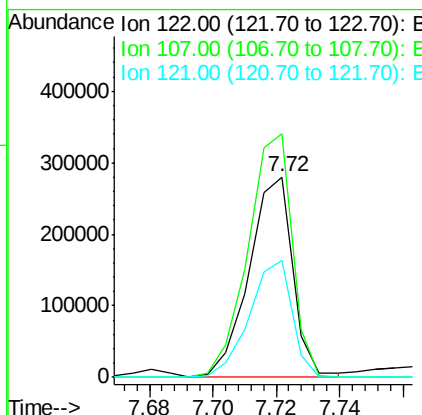
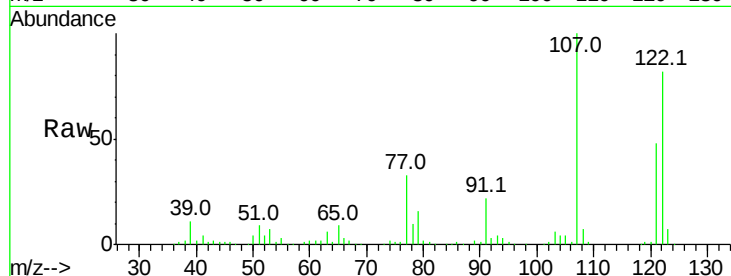
#27
 2,4-Dimethylphenol
 Concen: 30.582 ng
 RT: 7.72 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		269563		
107	121.3	89.2	133.8		
121	58.4	45.2	67.8		

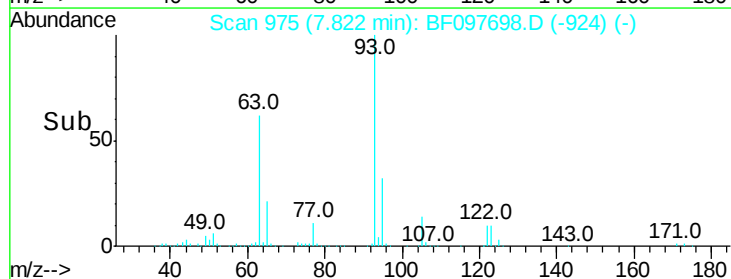
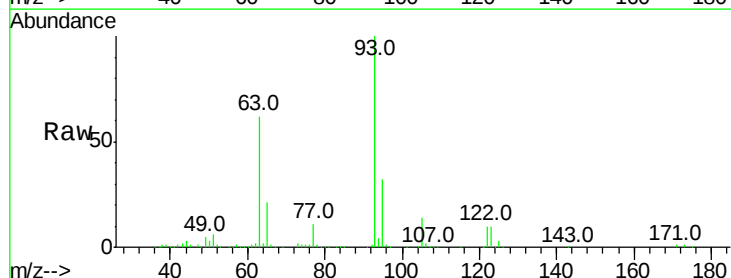
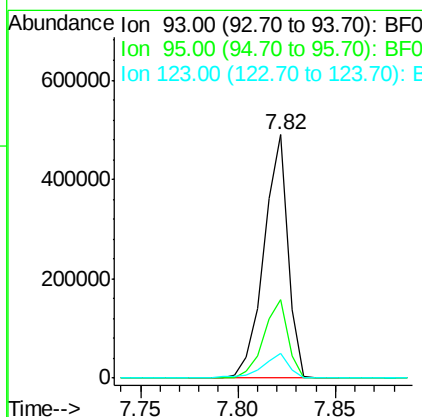
Manual Integrations
 APPROVED

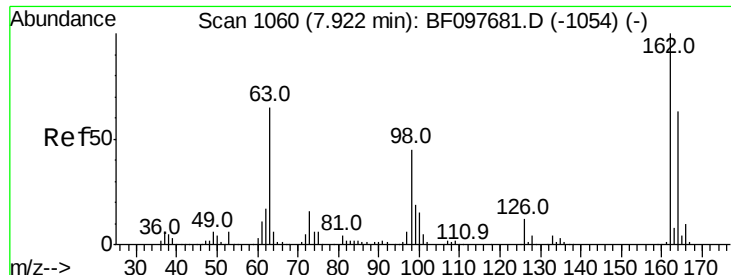
Sohil
 8/16/2017 6:45:24 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 30.078 ng
 RT: 7.82 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		417928		
95	32.4	26.5	39.7		
123	10.1	9.0	13.4		





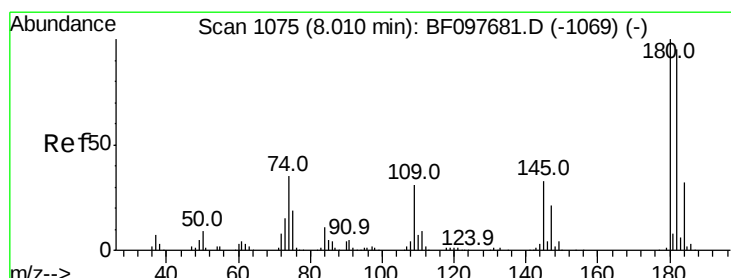
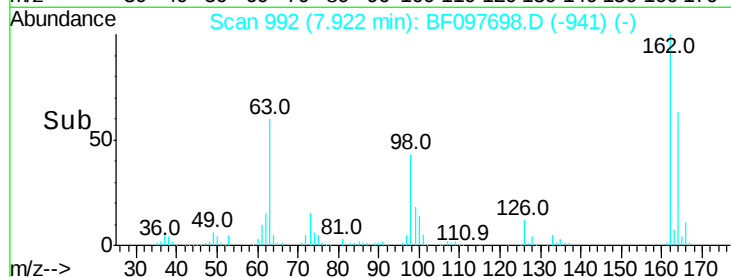
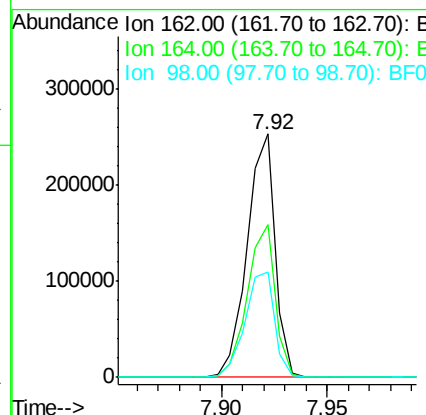
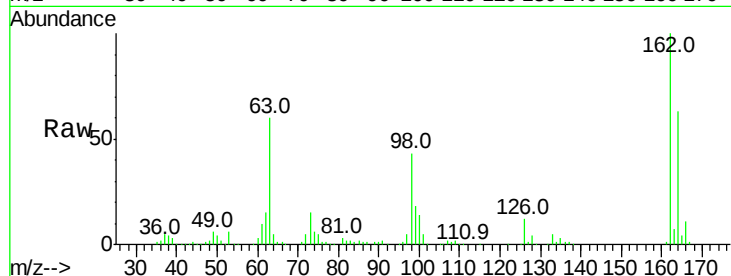
#29
 2,4-Dichlorophenol
 Concen: 31.772 ng
 RT: 7.92 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

Tot Ion:	162	Resp:	232470
Ion Ratio	Lower	Upper	
162	100		
164	62.9	44.6	84.6
98	43.3	14.8	54.8

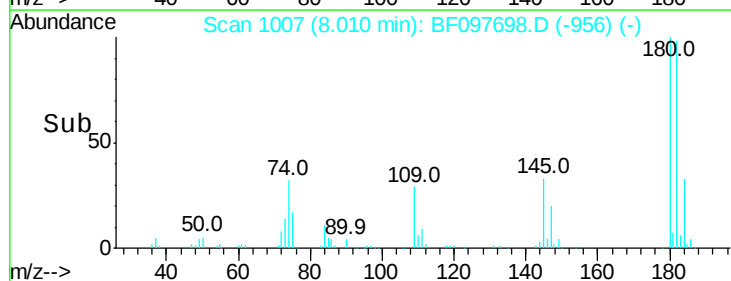
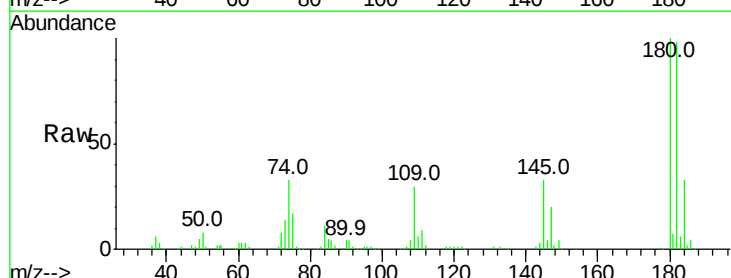
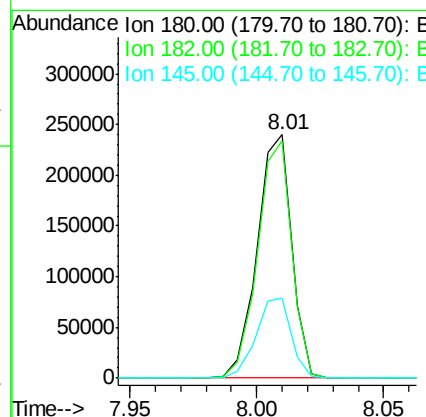
Manual Integrations
 APPROVED

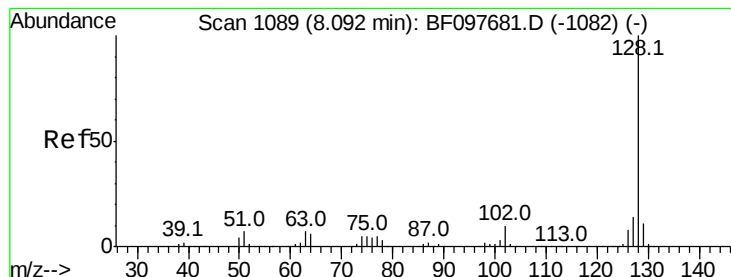
Sohil
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#30
 1,2,4-Trichlorobenzene
 Concen: 28.101 ng
 RT: 8.01 min Scan# 1007
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Tgt Ion:	180	Resp:	227935
Ion Ratio	Lower	Upper	
180	100		
182	97.5	75.8	113.6
145	32.7	25.3	37.9





#31

Naphthalene

Concen: 29.140 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

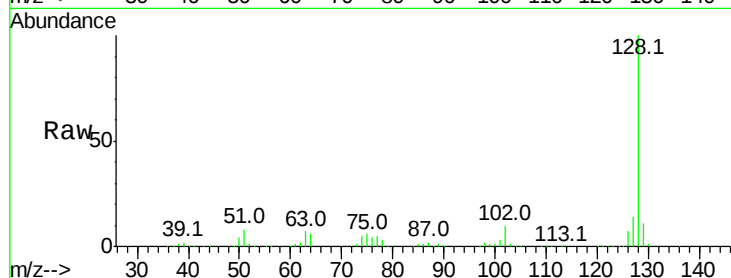
ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

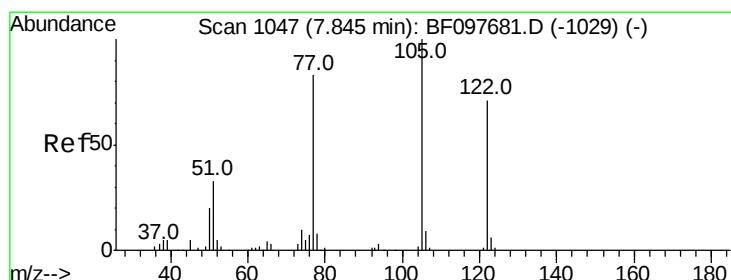
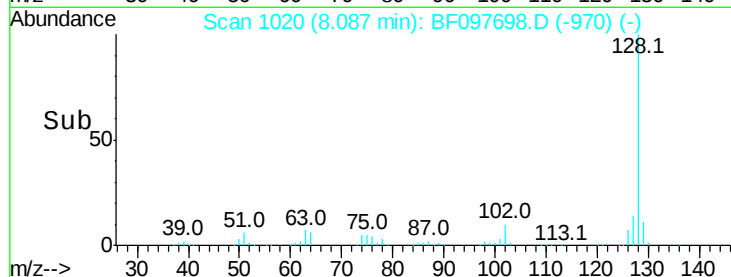
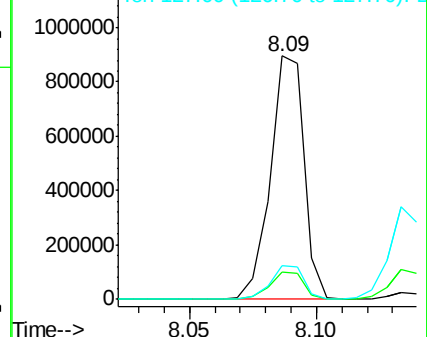
Tot Ion:	128	Resp:	835317
Ion Ratio	Lower	Upper	
128	100		
129	11.4	9.0	13.6
127	13.6	10.8	16.2

Manual Integrations
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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: 25.767 ng

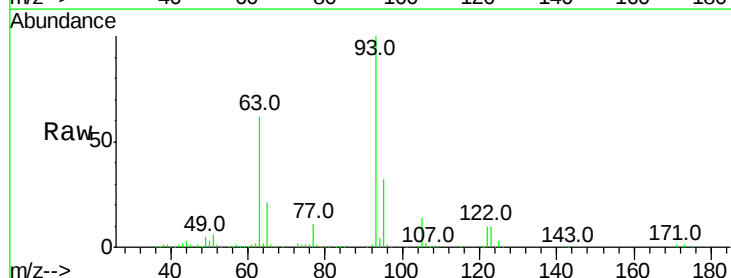
RT: 7.82 min Scan# 975

Delta R.T. -0.02 min

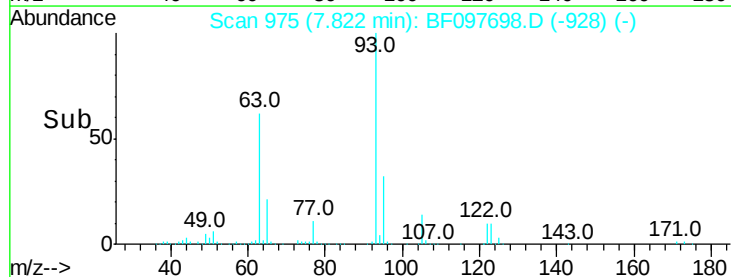
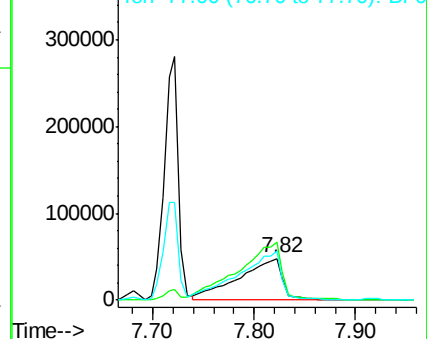
Lab File: BF097698.D

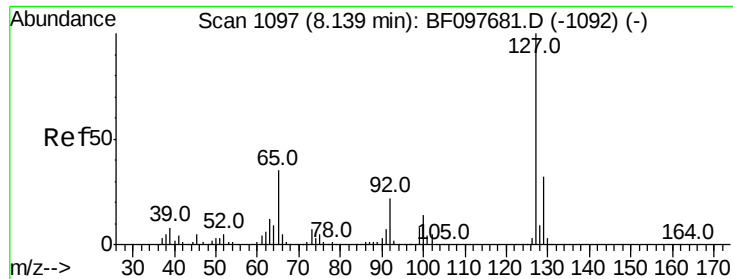
Acq: 15 Aug 2017 18:34

Tgt Ion:	122	Resp:	143498
Ion Ratio	Lower	Upper	
122	100		
105	140.3	103.3	143.3
77	117.1	73.7	113.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





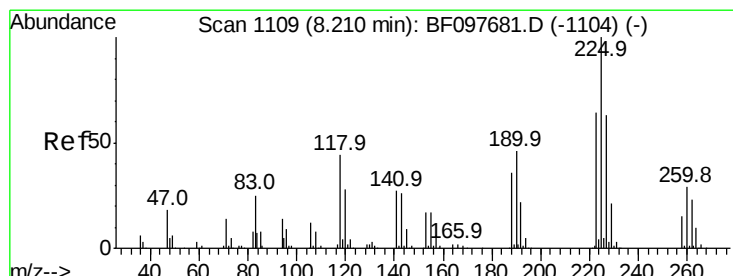
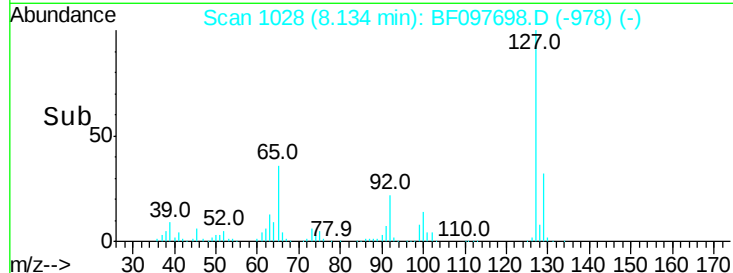
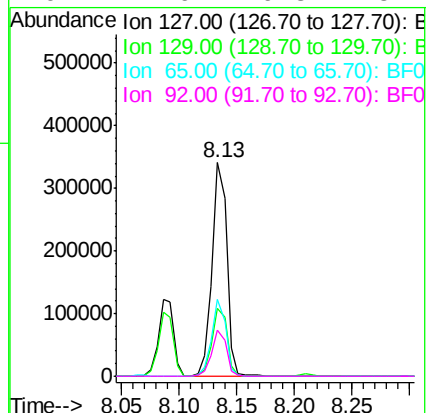
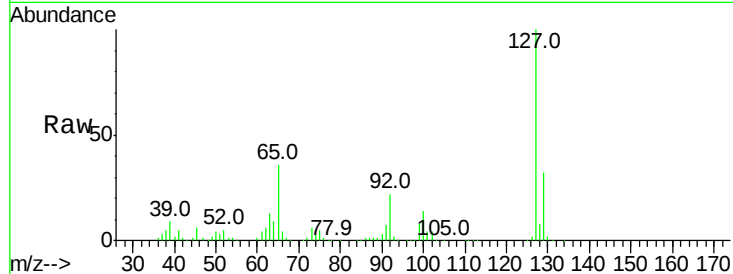
#33
 4-Chloroaniline
 Concen: 25.353 ng
 RT: 8.13 min Scan# 1028
 Delta R.T. -0.01 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.0	26.2	39.2	
65	36.2	27.8	41.8	
92	21.6	16.8	25.2	

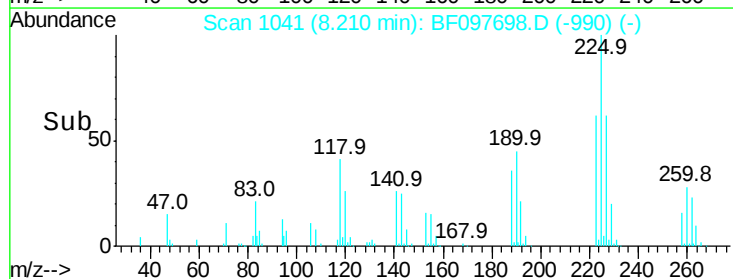
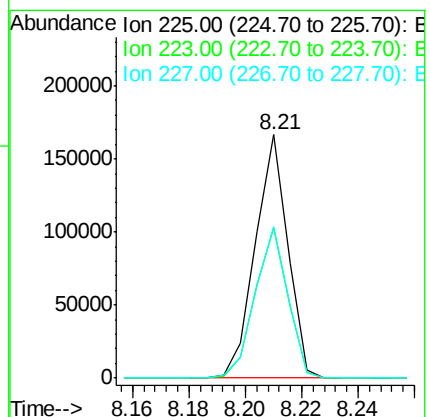
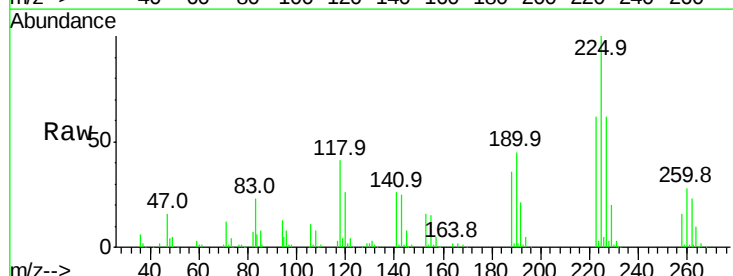
Manual Integrations
 APPROVED

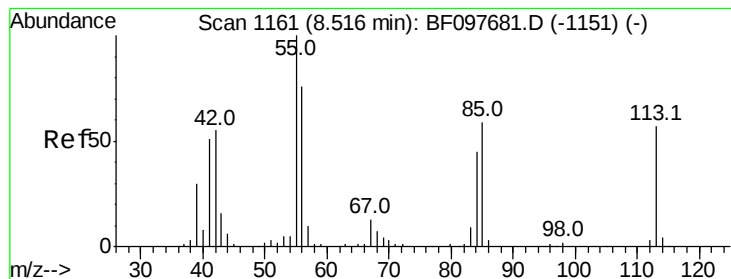
Sohil
 8/16/2017 6:45:24 PM



#34
 Hexachlorobutadiene
 Concen: 28.148 ng
 RT: 8.21 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.6	48.8	73.2	
227	62.0	51.1	76.7	





#35

Caprolactam

Concen: 33.891 ng/mL

RT: 8.50 min Scan# 1090

Delta R.T. -0.02 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

Tot Ion:113 Resp: 84301

Ion Ratio Lower Upper

113 100

55 175.2 150.2 190.2

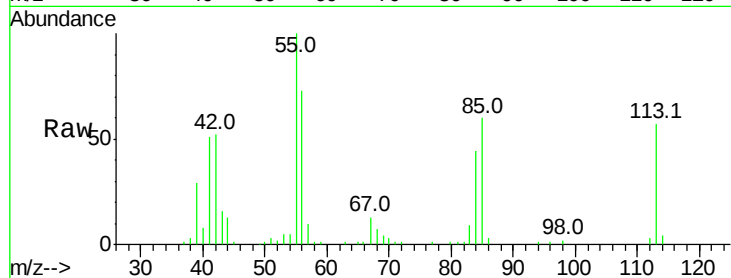
56 127.6 107.8 147.8

Manual Integrations

APPROVED

Sohil

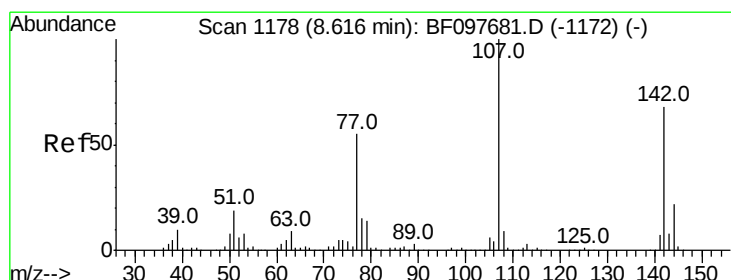
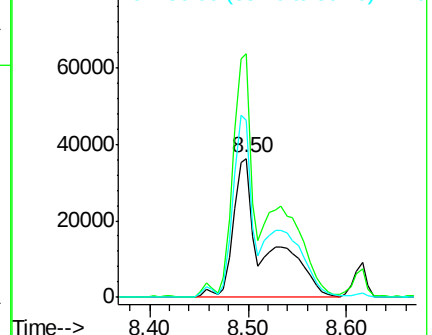
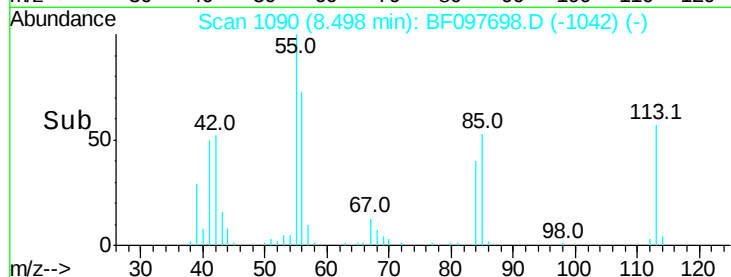
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 30.682 ng/mL

RT: 8.62 min Scan# 1110

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

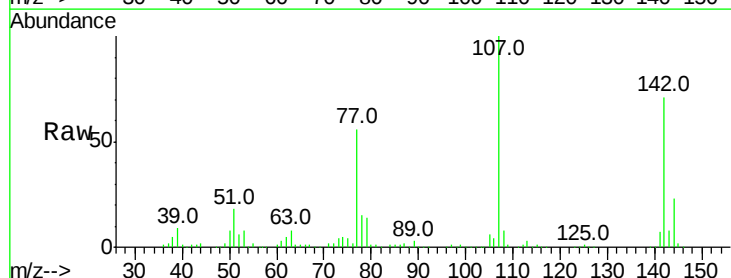
Tgt Ion:107 Resp: 288435

Ion Ratio Lower Upper

107 100

144 22.9 24.2 36.4#

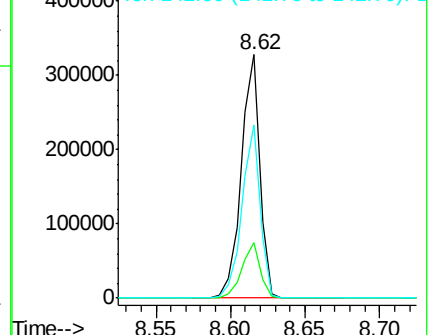
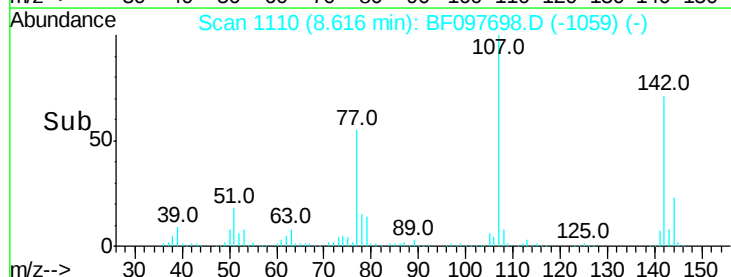
142 70.9 73.4 110.0#

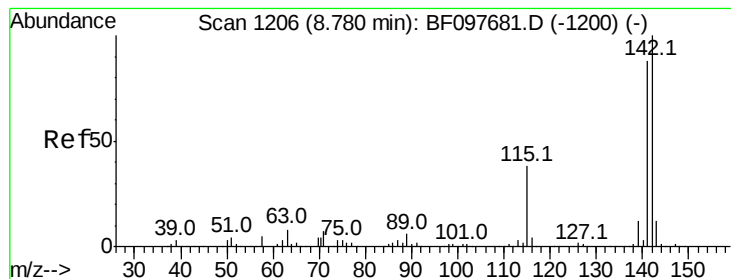


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





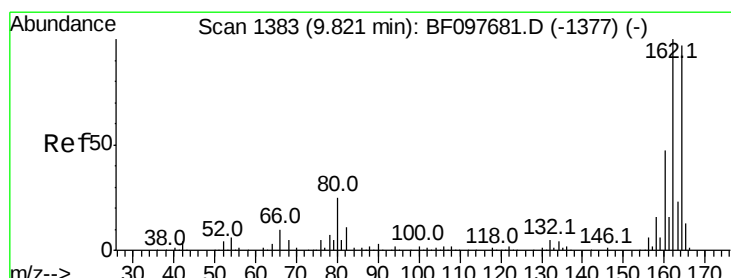
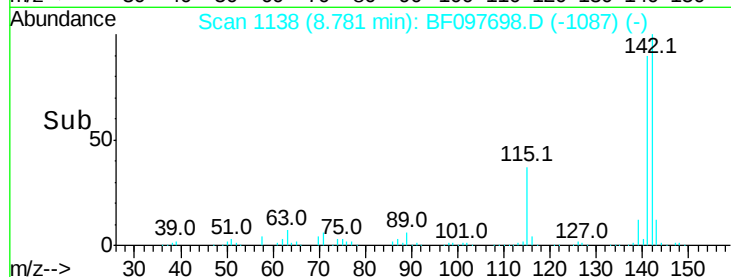
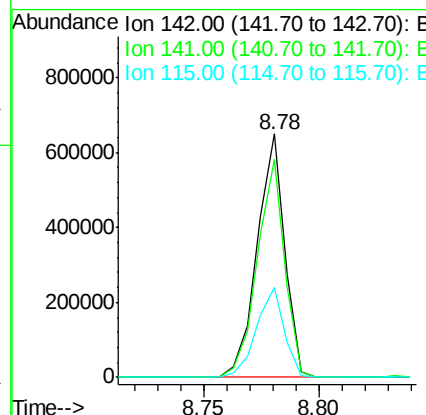
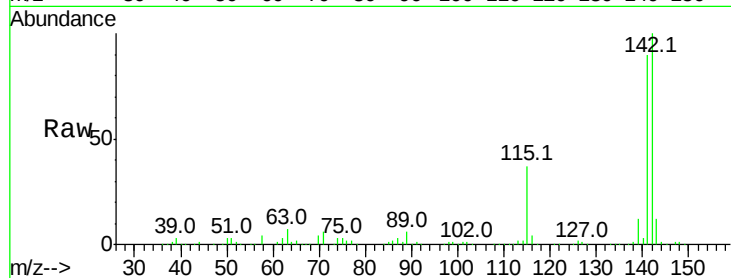
#37
2-Methylnaphthalene
Concen: 30.894 ng
RT: 8.78 min Scan# 1138
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
142	100	542948		
141	89.6	71.3	106.9	
115	37.2	27.1	40.7	

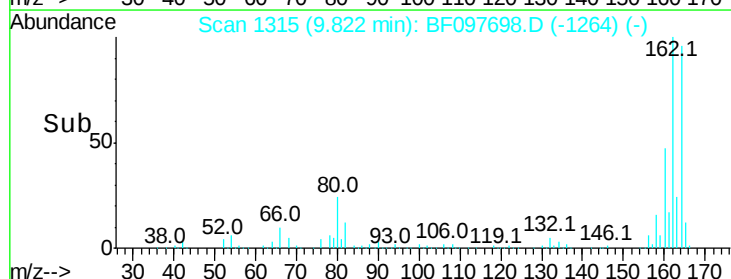
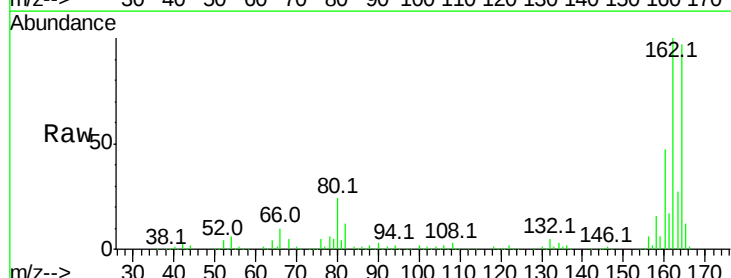
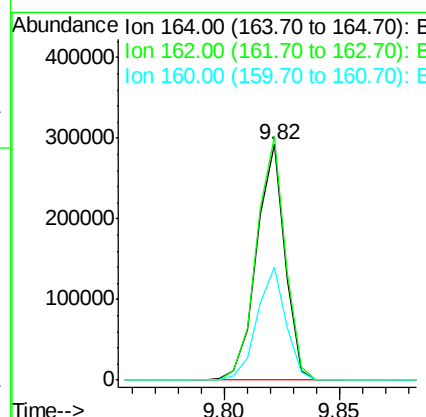
Manual Integrations
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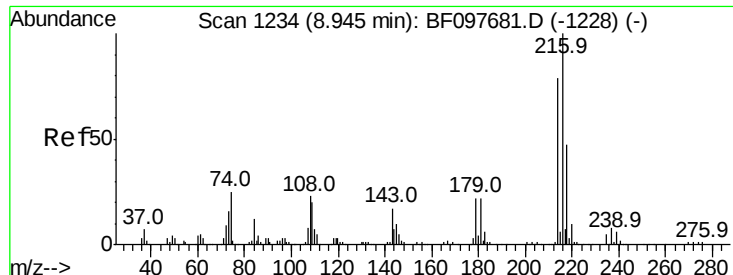
Sohil
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	250914		
162	103.4	82.6	123.8	
160	48.1	36.2	54.2	





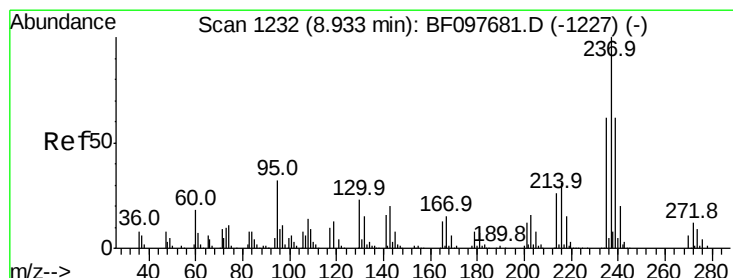
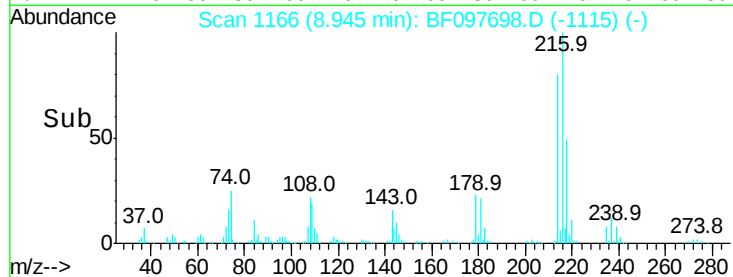
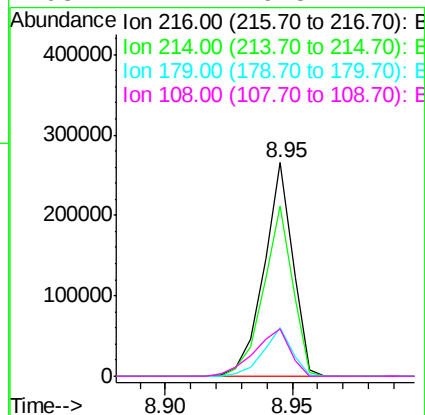
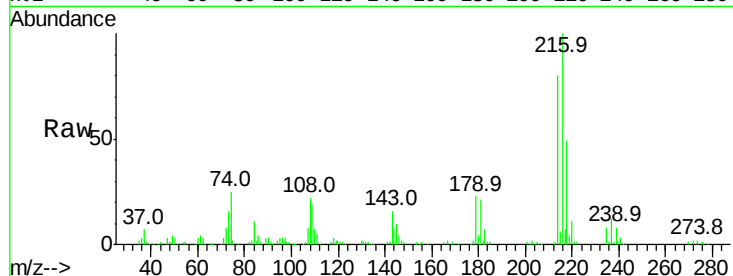
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 27.448 ng
 RT: 8.95 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Resp Lower	Upper
216	100		
214	80.5	63.4	95.2
179	22.4	17.9	26.9
108	27.4	16.5	24.7#

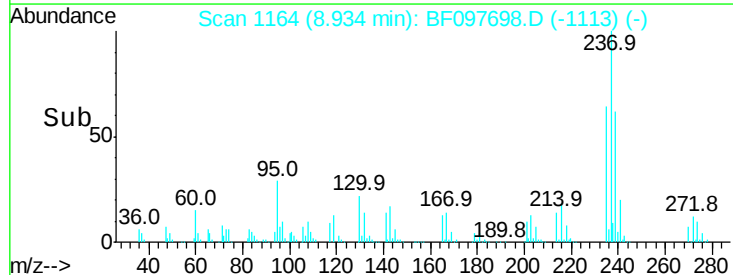
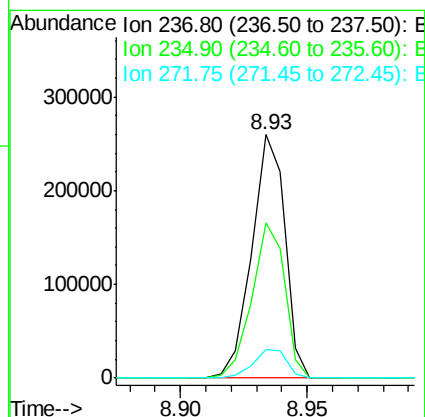
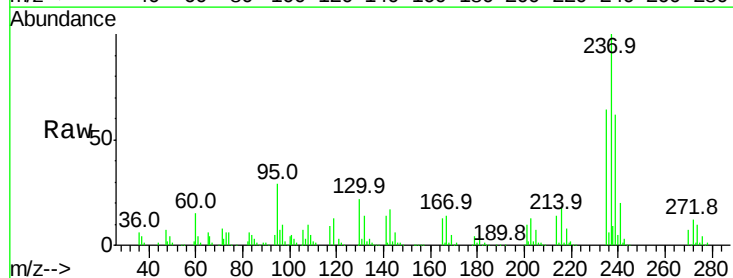
Manual Integrations
 APPROVED

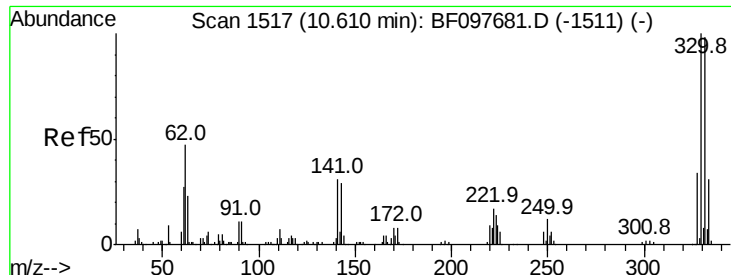
Sohil
 8/16/2017 6:45:24 PM



#40
 Hexachlorocyclopentadiene
 Concen: 64.141 ng
 RT: 8.93 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Resp Lower	Upper
237	100		
235	63.9	42.6	82.6
272	11.8	0.0	31.9





#41

2,4,6-Tribromophenol

Concen: 102.720 ng

RT: 10.61 min Scan# 1449

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

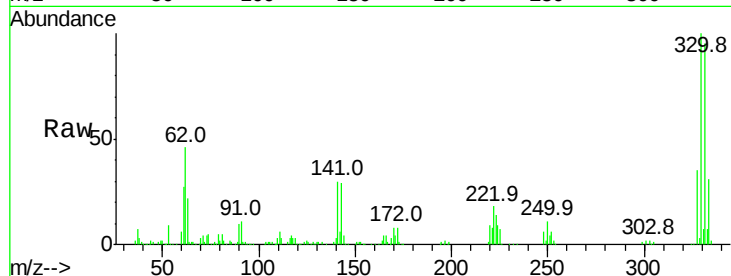
ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

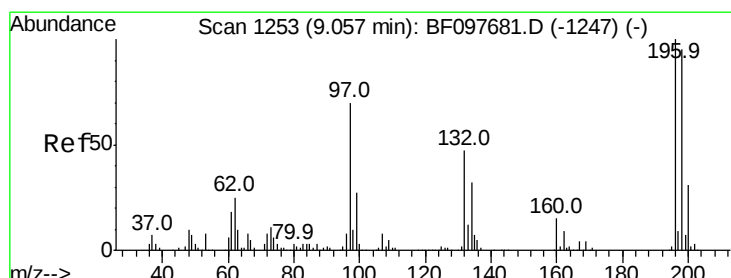
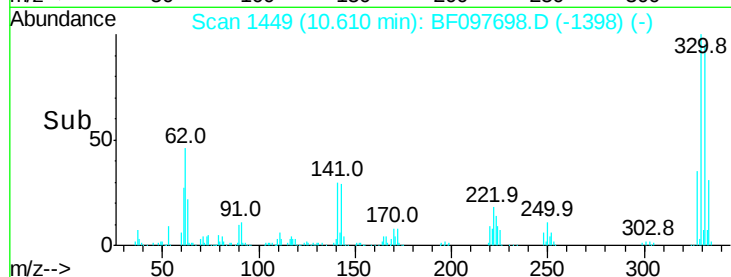
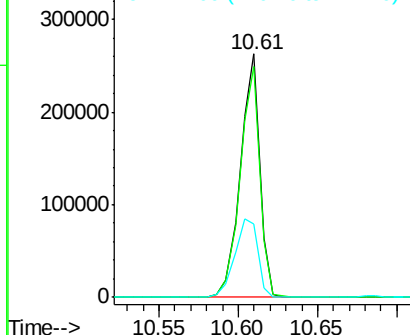
Tot Ion:	330	Resp:	223631
Ion Ratio	Lower	Upper	
330	100		
332	96.1	76.6	115.0
141	38.6	31.4	47.2

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 30.557 ng

RT: 9.05 min Scan# 1184

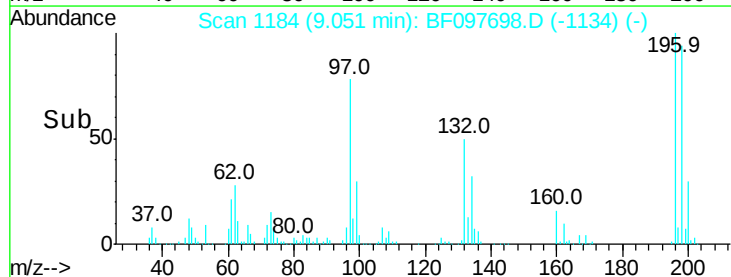
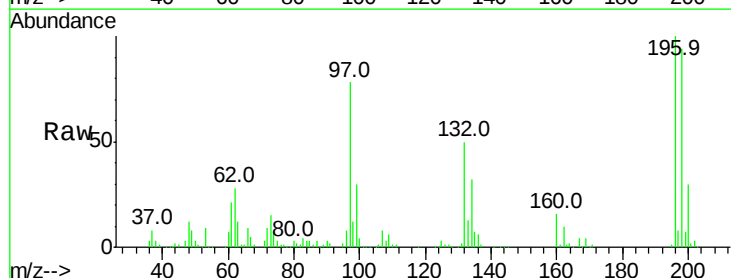
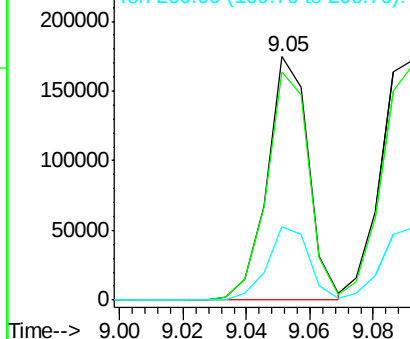
Delta R.T. -0.01 min

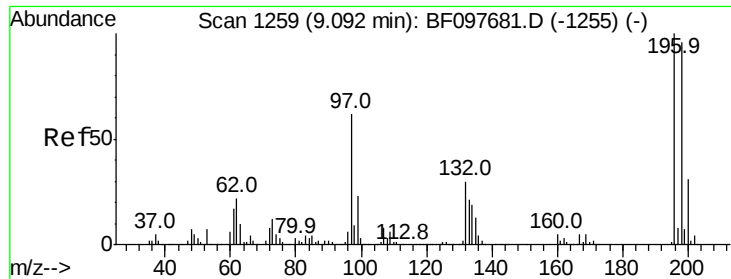
Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Tgt Ion:	196	Resp:	157979
Ion Ratio	Lower	Upper	
196	100		
198	93.5	74.2	111.4
200	29.9	24.0	36.0

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





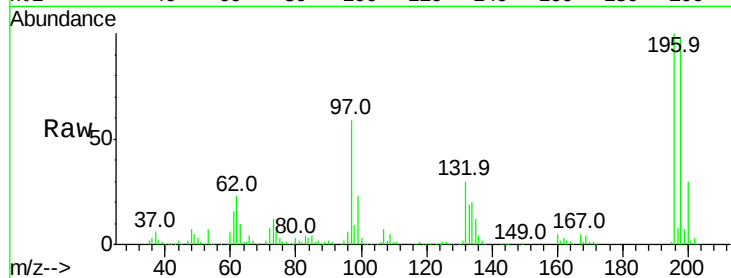
#43
 2,4,5-Trichlorophenol
 Concen: 32.983 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

Tot Ion	196	Resp	169167
Ion Ratio	Lower	Upper	
196	100		
198	97.7	75.7	113.5
97	58.7	47.7	71.5
132	29.6	28.0	42.0

Manual Integrations
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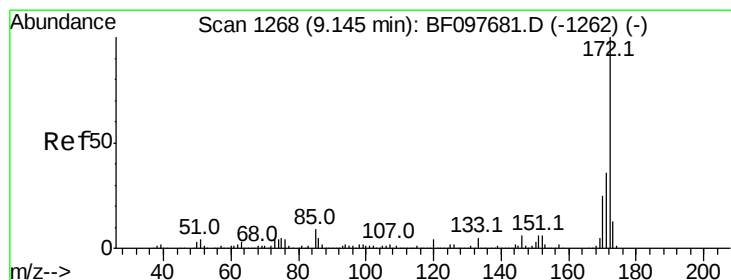
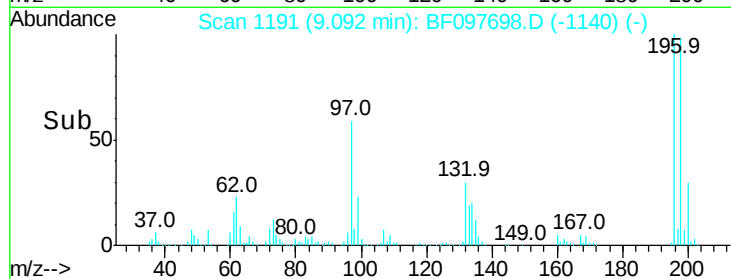
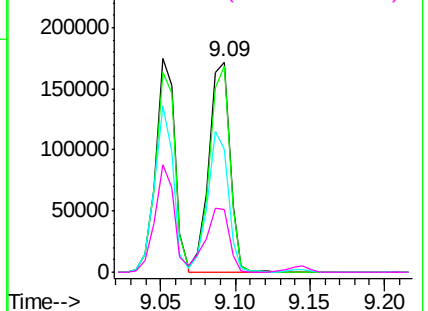
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 56.226 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

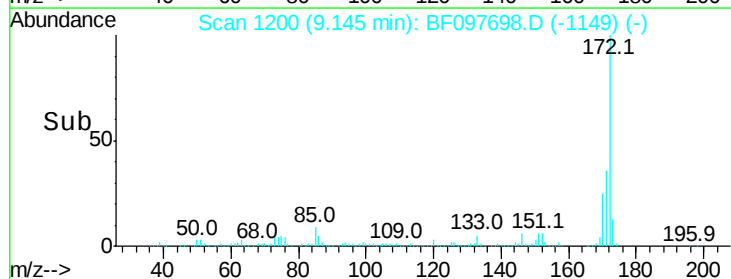
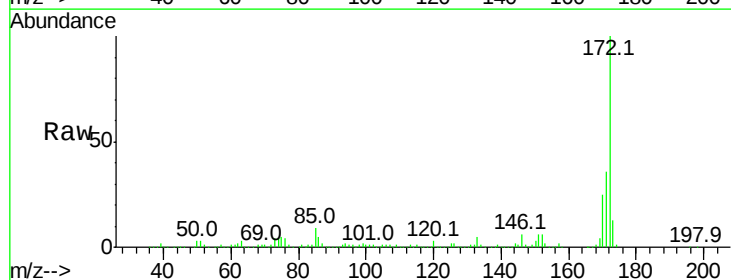
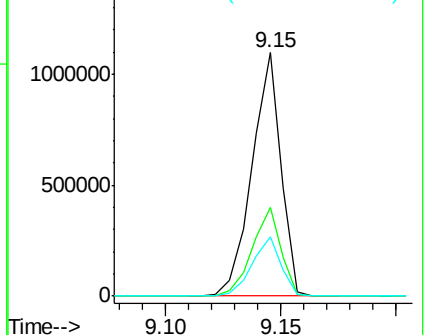
Tgt Ion	172	Resp	960244
Ion Ratio	Lower	Upper	
172	100		
171	36.2	29.6	44.4
170	24.5	19.8	29.8

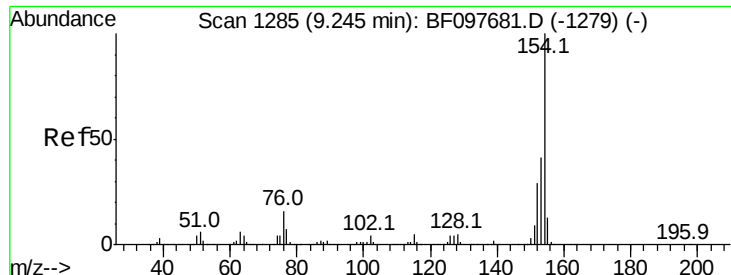
Abundance

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





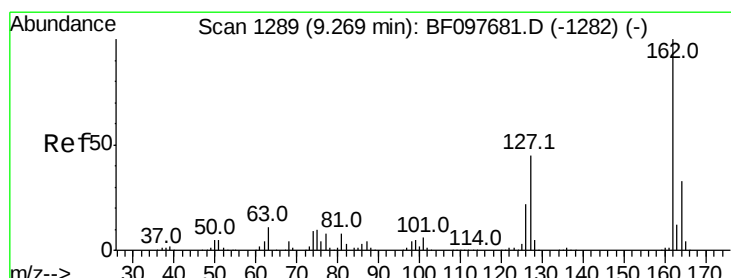
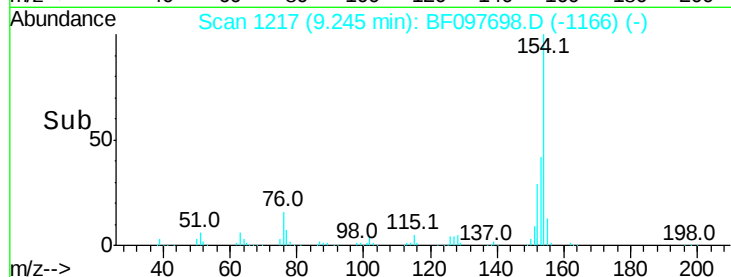
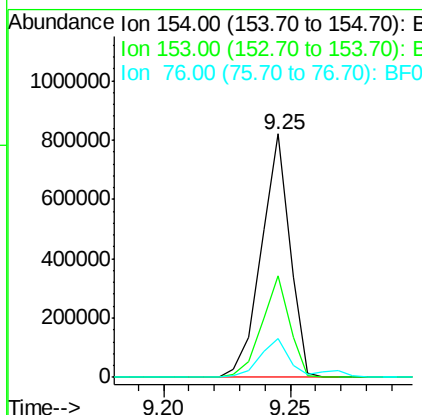
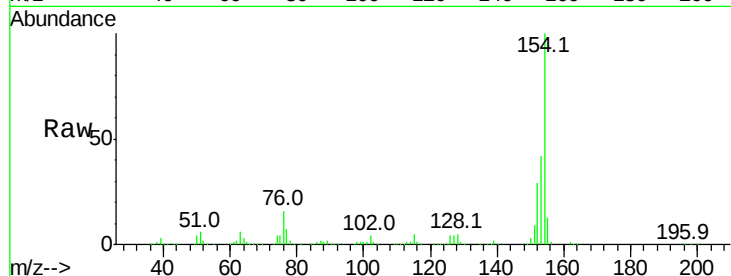
#45
 1,1'-Biphenyl
 Concen: 28.356 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	41.7	21.2	61.2	
76	15.9	0.0	29.9	

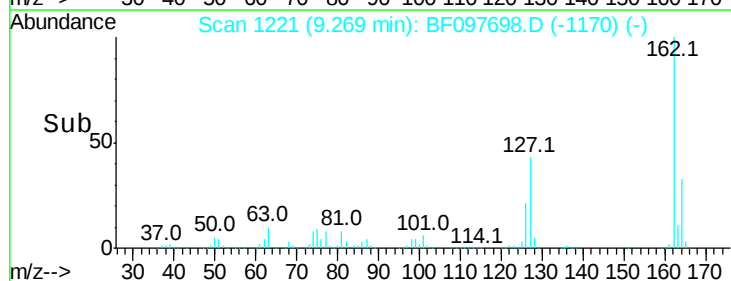
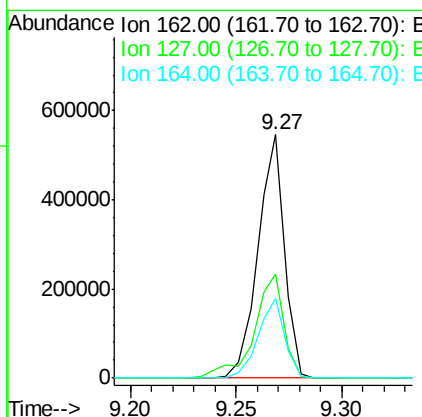
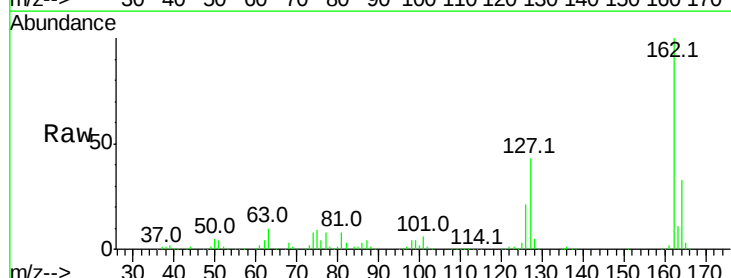
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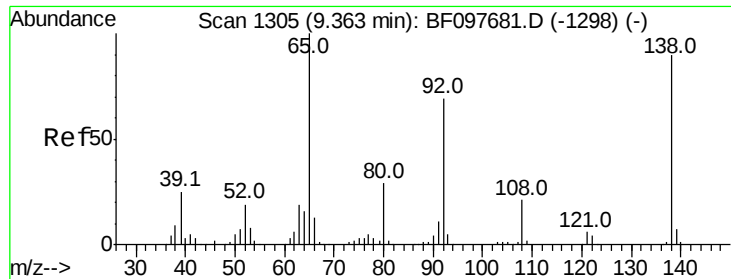
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#46
 2-Chloronaphthalene
 Concen: 28.089 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
127	43.0	28.3	42.5#	
164	32.9	27.0	40.4	





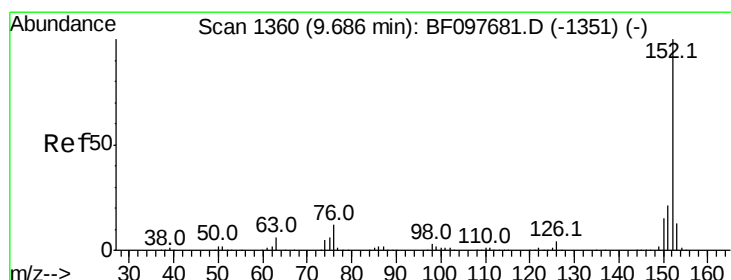
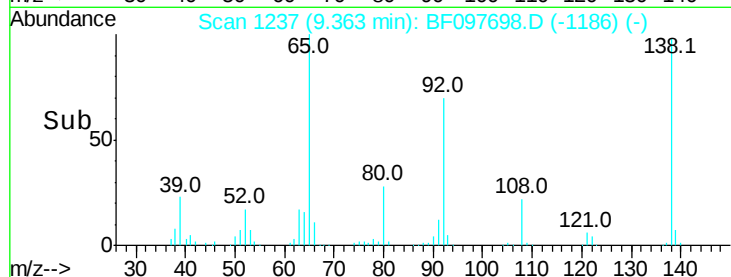
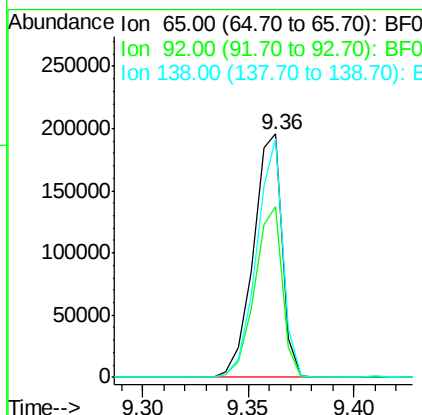
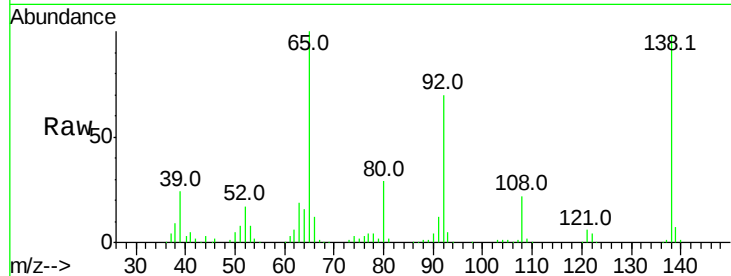
#47
2-Nitroaniline
Concen: 32.804 ng
RT: 9.36 min Scan# 1237
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Lower	Upper
65	100		
92	70.1	53.9	80.9
138	97.8	78.8	118.2

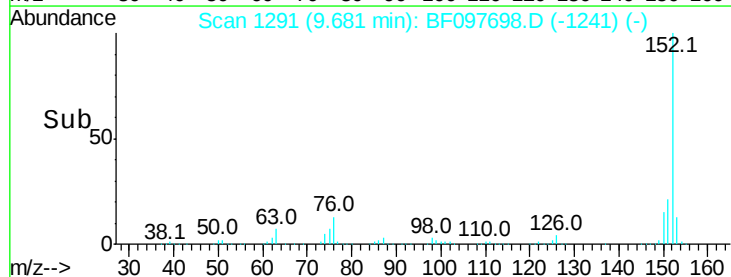
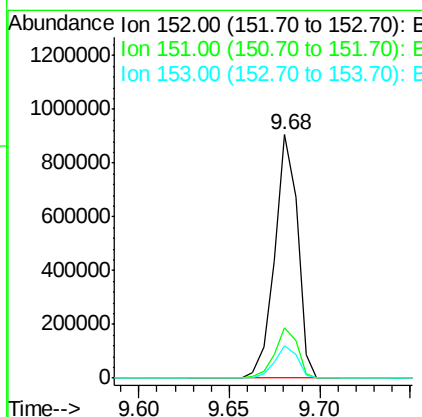
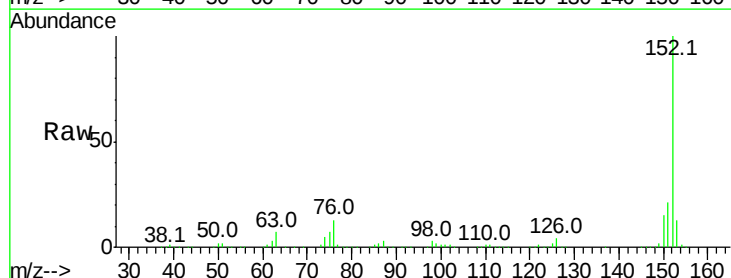
Manual Integrations
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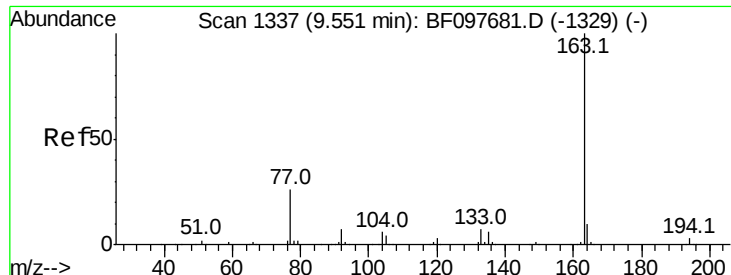
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#48
Acenaphthylene
Concen: 29.874 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.8	25.2
153	13.5	10.8	16.2





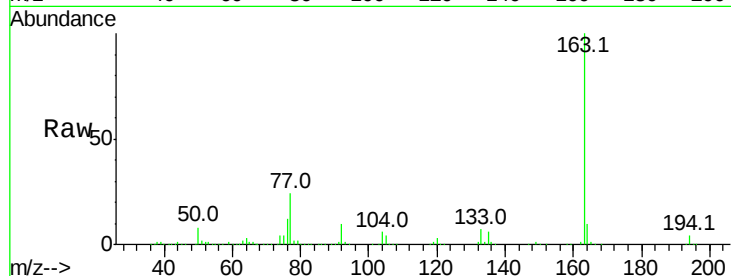
#49
Dimethylphthalate
Concen: 37.604 ng
RT: 9.55 min Scan# 1269
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

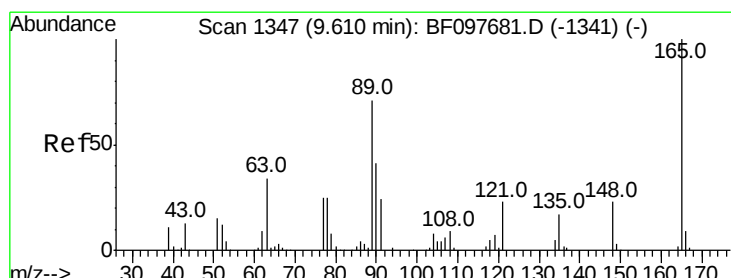
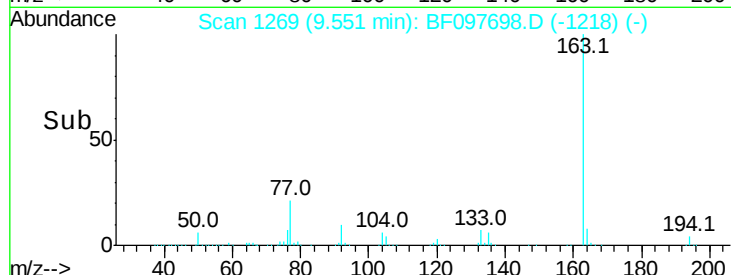
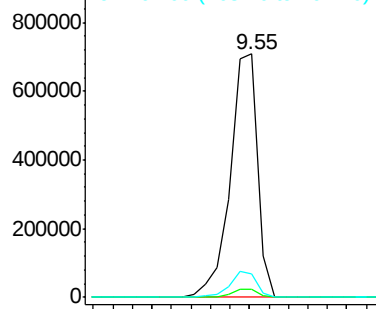
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.5	2.6	4.0	
164	9.7	8.4	12.6	

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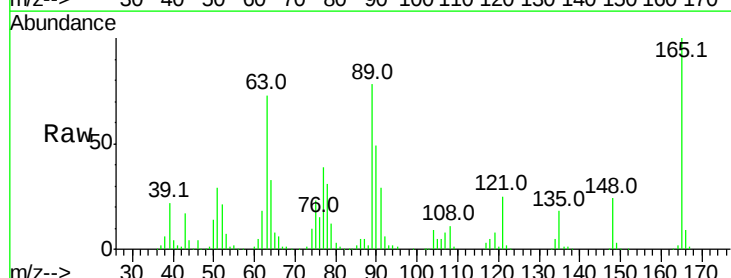


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

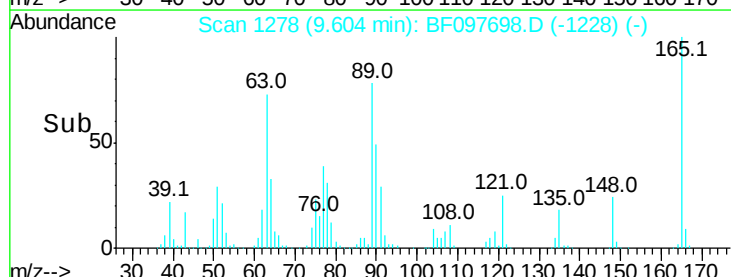
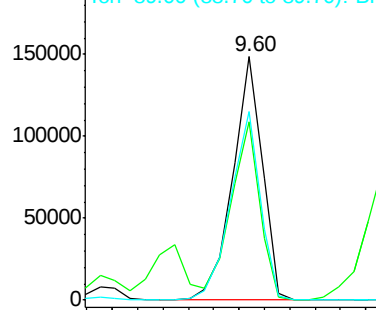


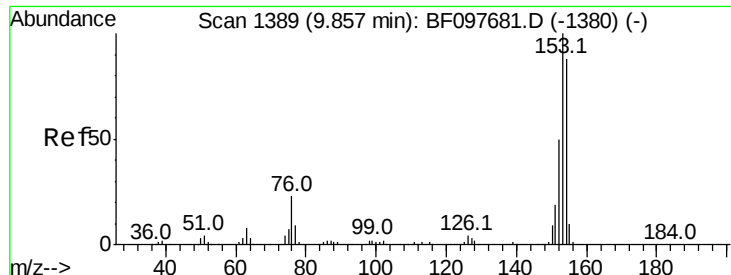
#50
2,6-Dinitrotoluene
Concen: 33.290 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	73.4	34.3	51.5#	
89	77.5	37.1	55.7#	



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 31.278 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

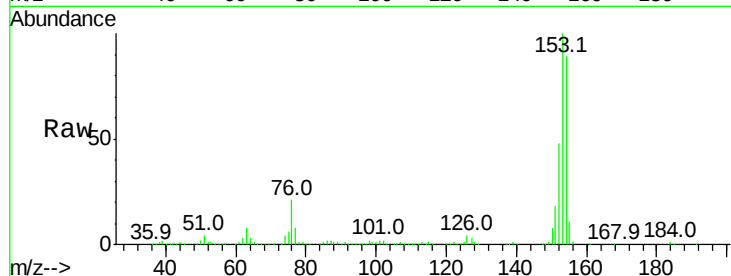
ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

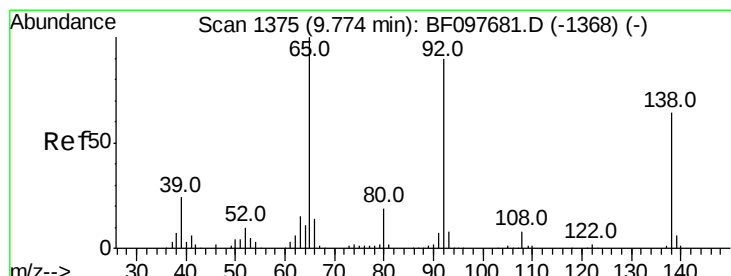
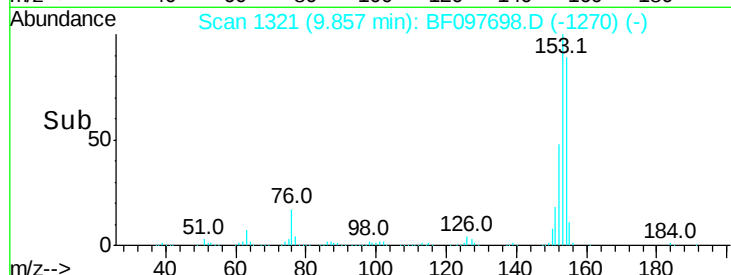
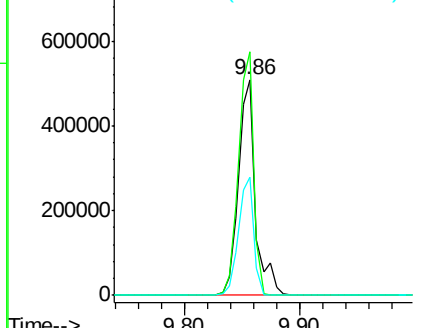
Tot Ion:	154	Resp:	523714
Ion Ratio	Lower	Upper	
154	100		
153	112.9	90.5	135.7
152	54.6	43.6	65.4

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



#52

3-Nitroaniline

Concen: 26.659 ng

RT: 9.77 min Scan# 1306

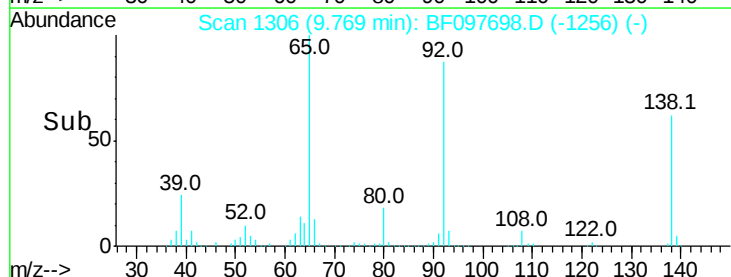
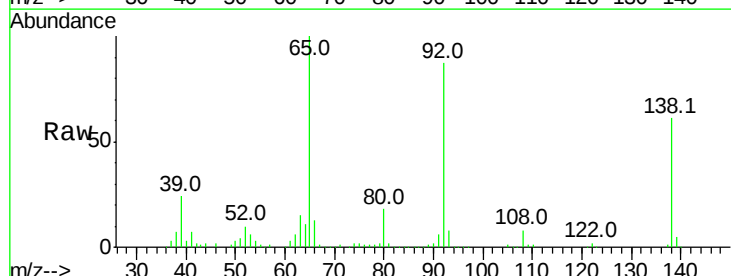
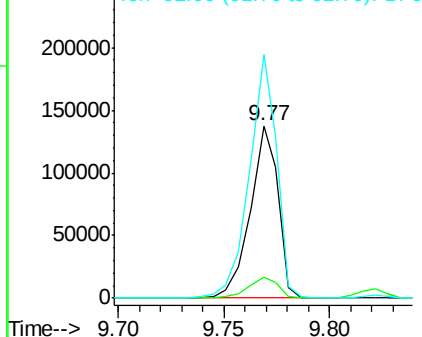
Delta R.T. -0.01 min

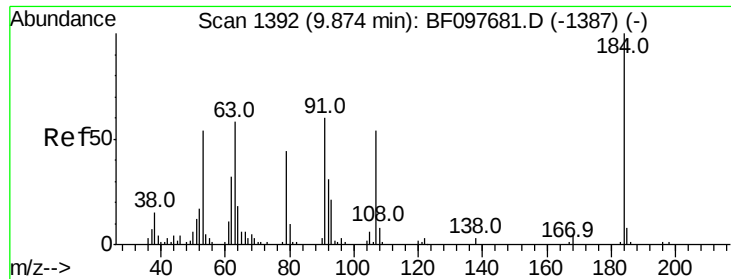
Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Tgt Ion:	138	Resp:	125923
Ion Ratio	Lower	Upper	
138	100		
108	12.3	9.1	13.7
92	141.1	93.8	140.6#

Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0





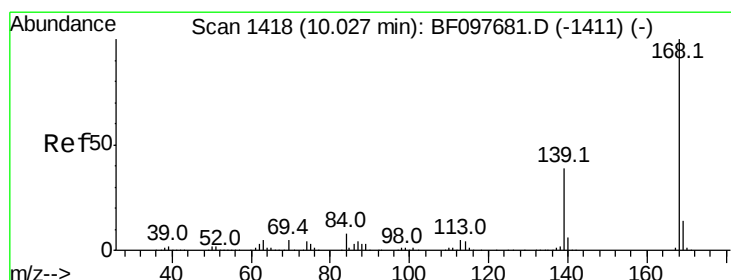
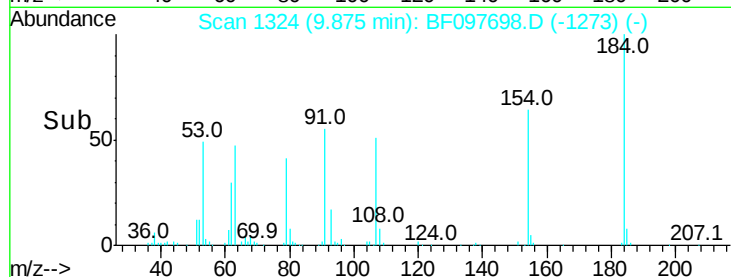
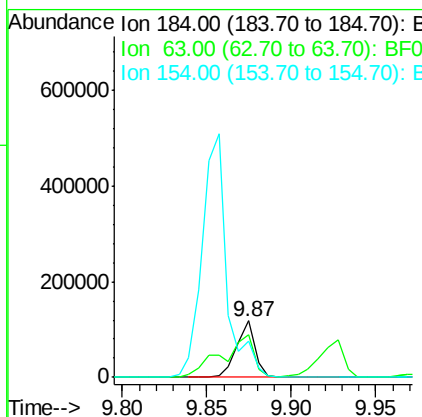
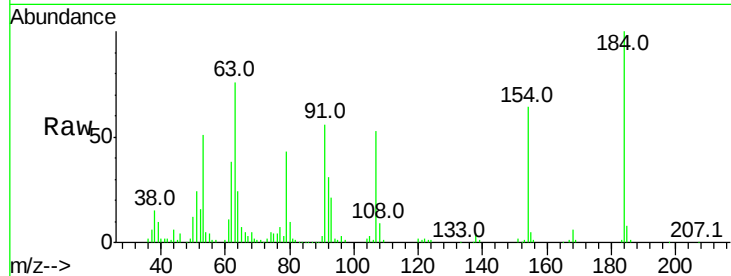
#53
 2,4-Dinitrophenol
 Concen: 55.156 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

Tot Ion:184 Resp: 89773
 Ion Ratio Lower Upper
 184 100
 63 75.6 62.7 94.1
 154 64.1 81.1 121.7#

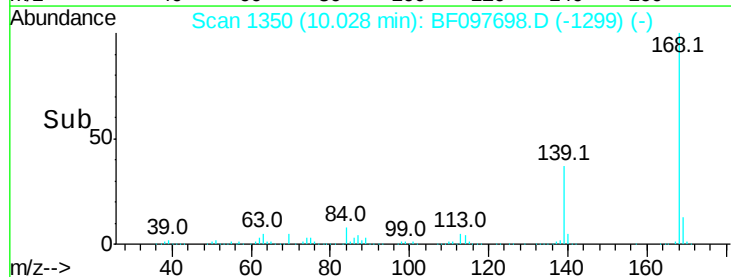
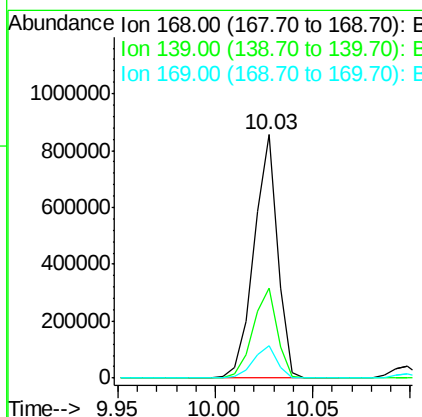
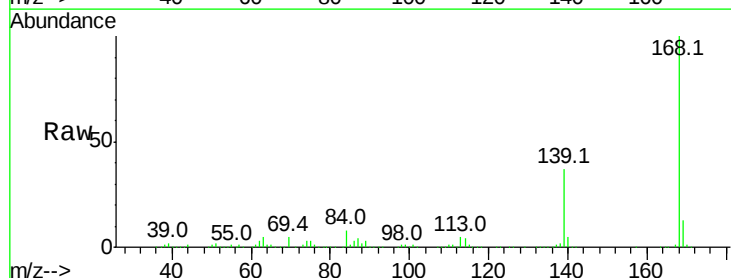
Manual Integrations
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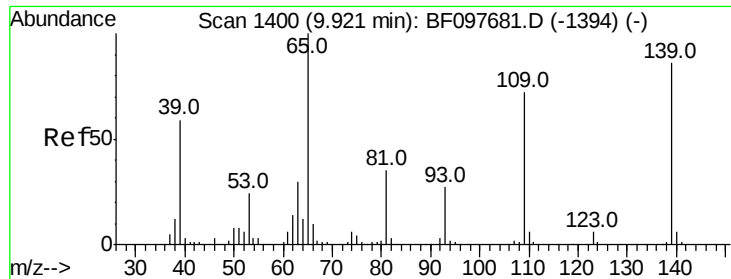
Sohil
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#54
 Dibenzofuran
 Concen: 31.842 ng
 RT: 10.03 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Tgt Ion:168 Resp: 714550
 Ion Ratio Lower Upper
 168 100
 139 37.2 30.6 45.8
 169 13.2 10.8 16.2





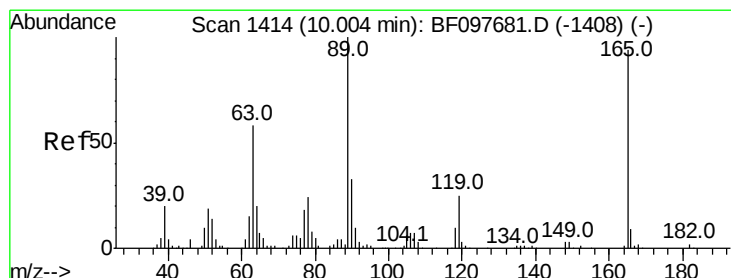
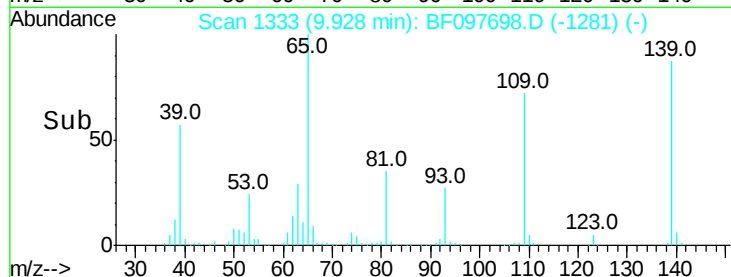
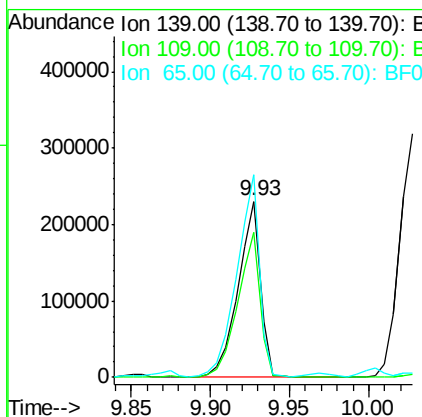
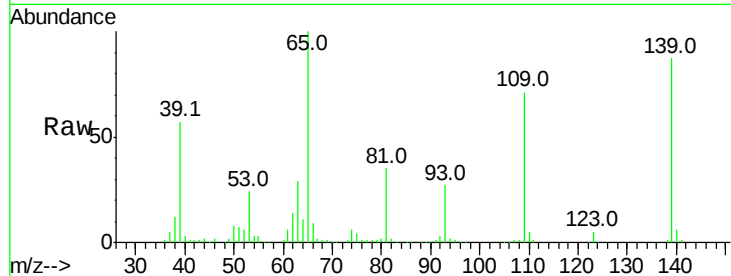
#55
4-Nitrophenol
Concen: 59.938 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.01 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	82.3	34.1	74.1#	
65	115.2	31.4	71.4#	

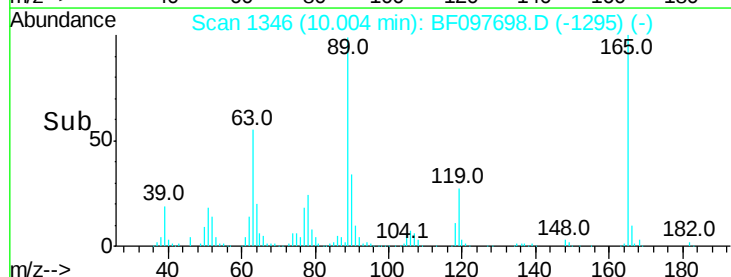
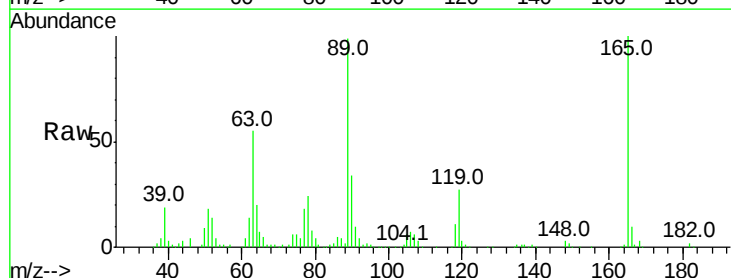
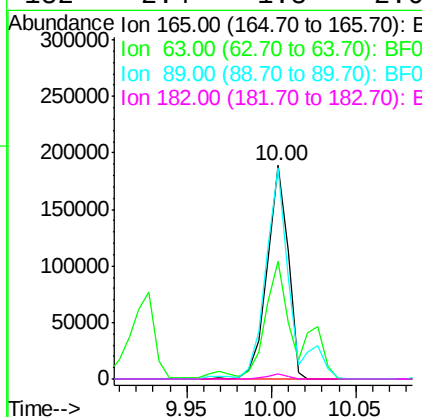
Manual Integrations
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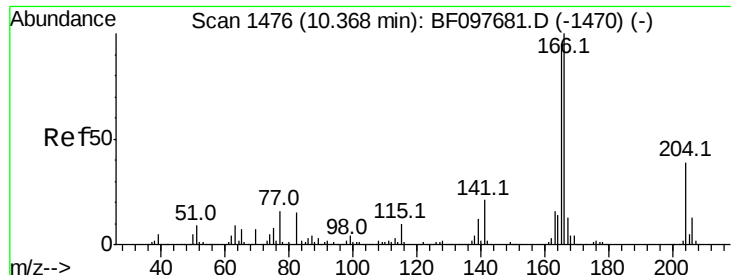
Sohil
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#56
2,4-Dinitrotoluene
Concen: 35.265 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	55.1	25.4	38.0#	
89	98.7	46.4	69.6#	
182	2.4	1.8	2.6	





#57

Fluorene

Concen: 30.040 ng

RT: 10.37 min Scan# 1408

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

Tot Ion:166 Resp: 521199

Ion Ratio Lower Upper

166 100

165 93.1 78.8 118.2

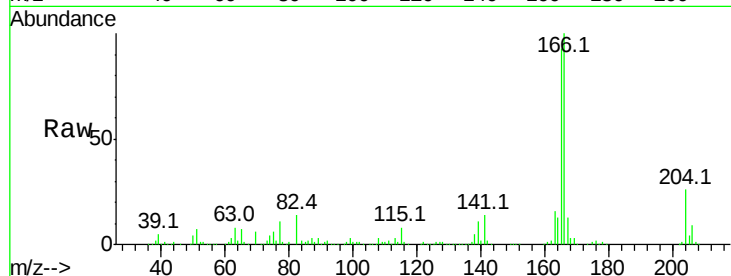
167 12.8 10.6 16.0

Manual Integrations

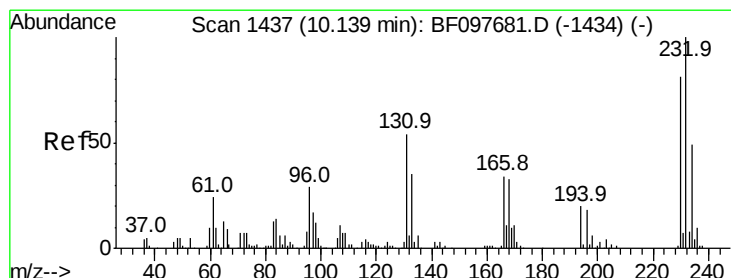
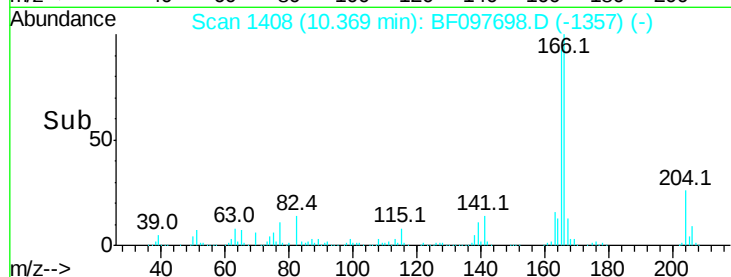
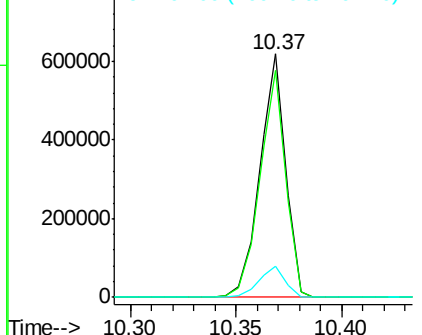
APPROVED

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



#58

2,3,4,6-Tetrachlorophenol

Concen: 35.504 ng

RT: 10.14 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Tgt Ion:232 Resp: 140984

Ion Ratio Lower Upper

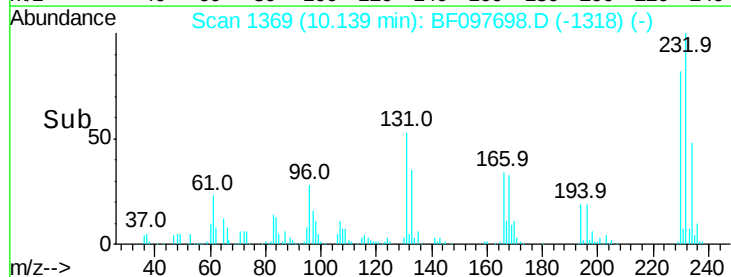
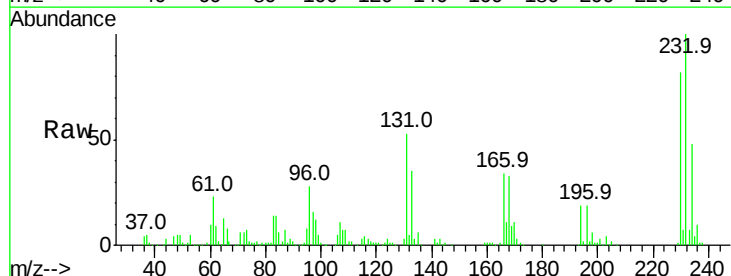
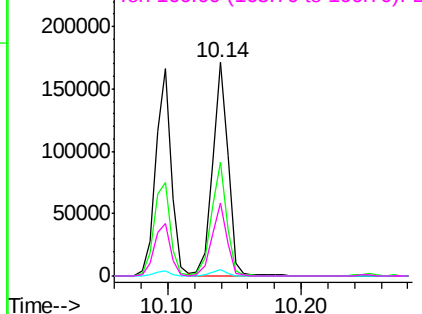
232 100

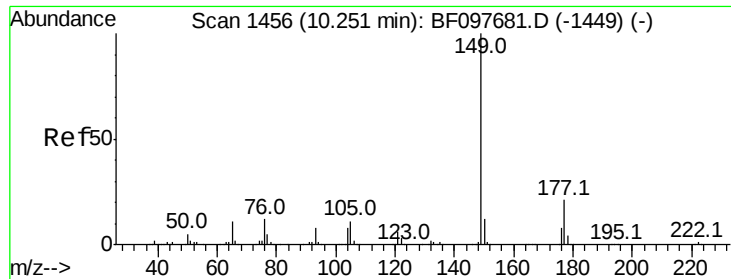
131 52.2 44.8 67.2

130 2.8 2.3 3.5

166 33.0 29.0 43.4

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





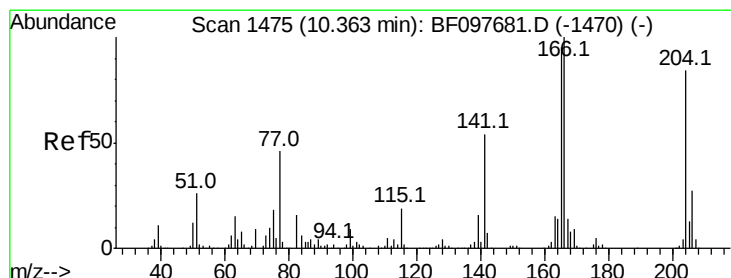
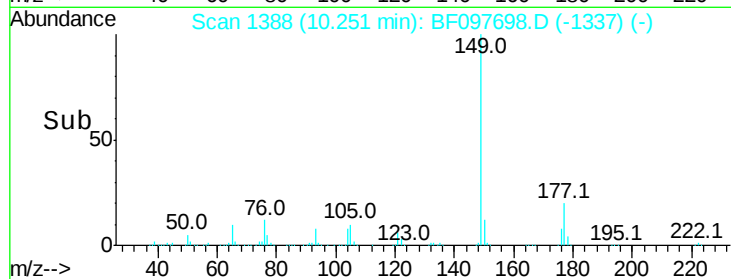
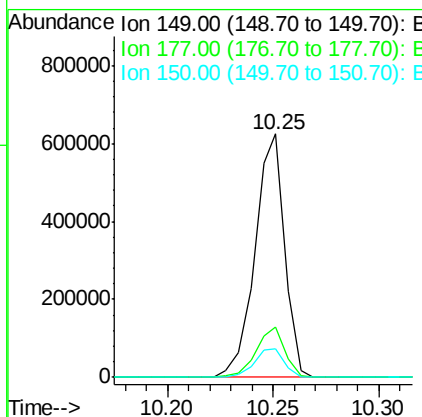
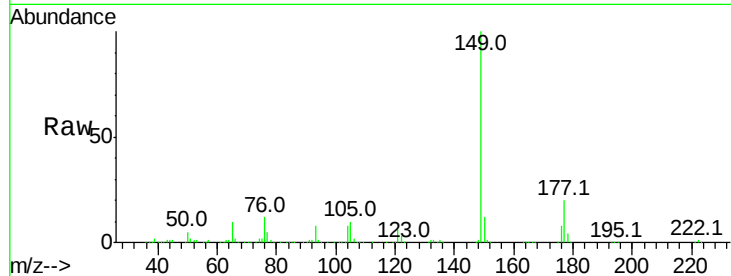
#59
Diethylphthalate
Concen: 31.737 ng
RT: 10.25 min Scan# 1388
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	608720		
177	20.5	16.7	25.1	
150	11.8	10.2	15.2	

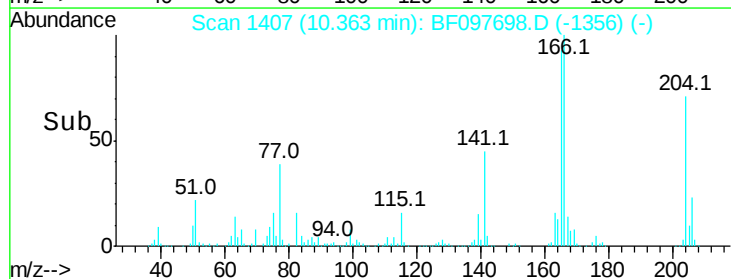
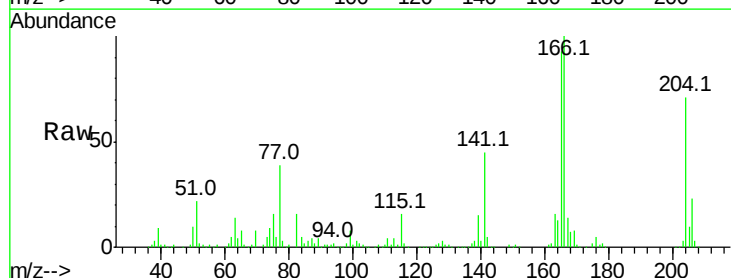
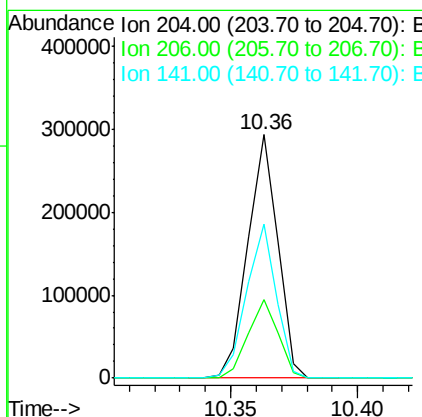
Manual Integrations
APPROVED

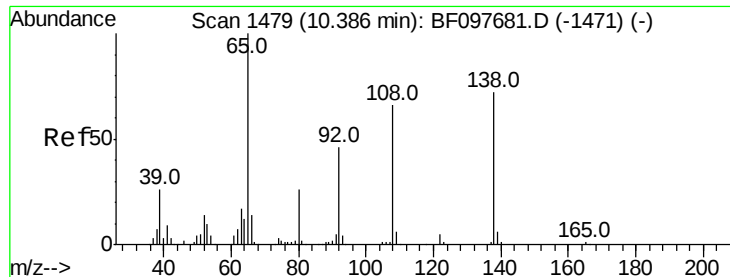
Sohil
8/16/2017 6:45:24 PM



#60
4-Chlorophenyl-phenylether
Concen: 30.068 ng
RT: 10.36 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	242358		
206	32.4	26.2	39.2	
141	63.2	60.8	91.2	





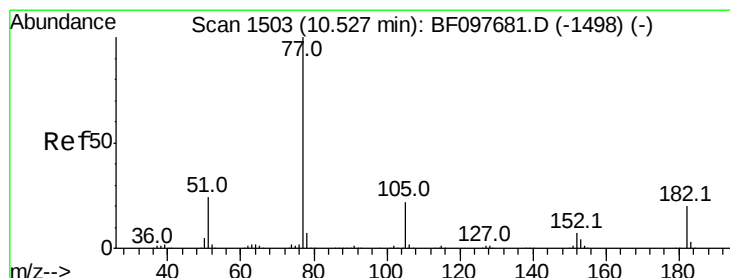
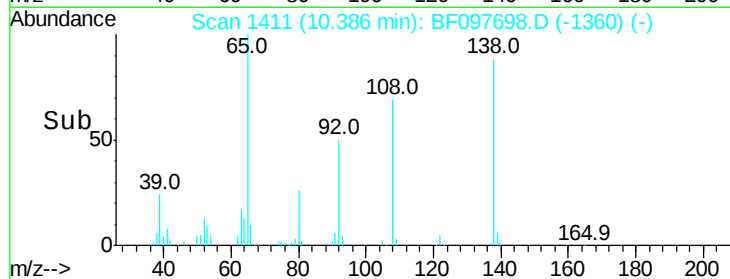
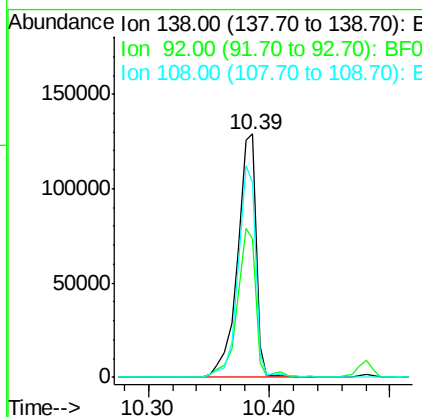
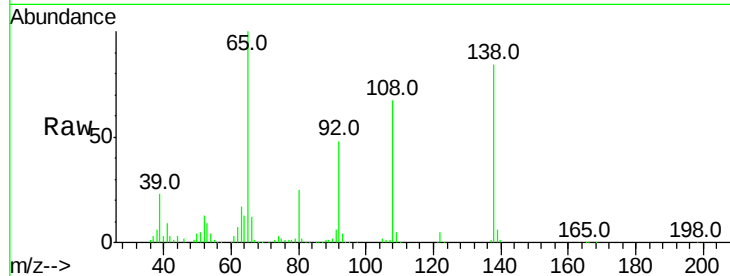
#61
4-Nitroaniline
Concen: 31.030 ng
RT: 10.39 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
138	100	139306		
92	57.0	21.8	61.8	
108	80.1	42.3	82.3	

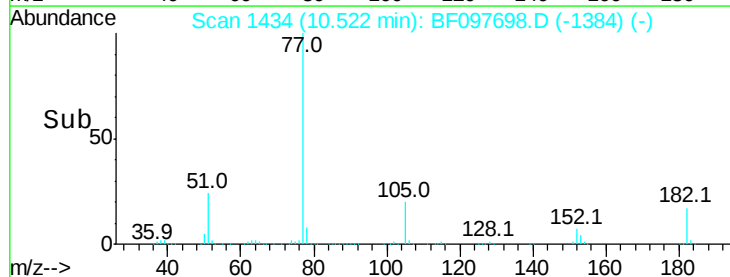
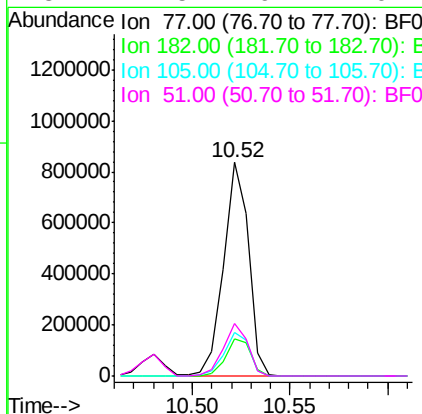
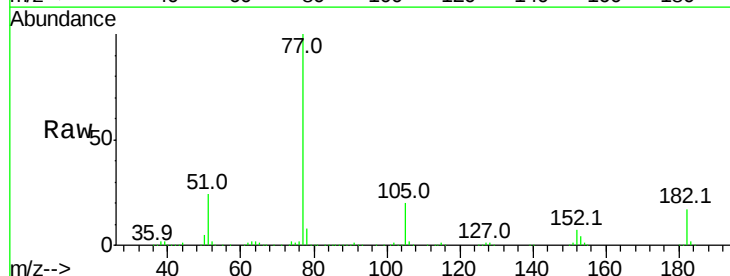
Manual Integrations
APPROVED

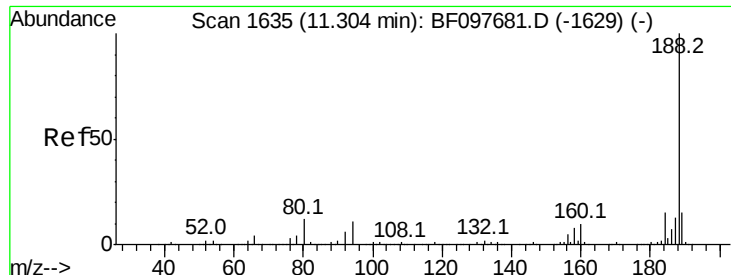
Sohil
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#62
Azobenzene
Concen: 32.511 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	740701		
182	17.2	0.1	40.1	
105	20.5	3.6	43.6	
51	24.5	9.4	49.4	





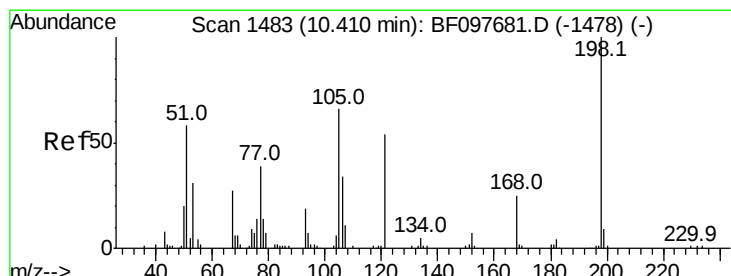
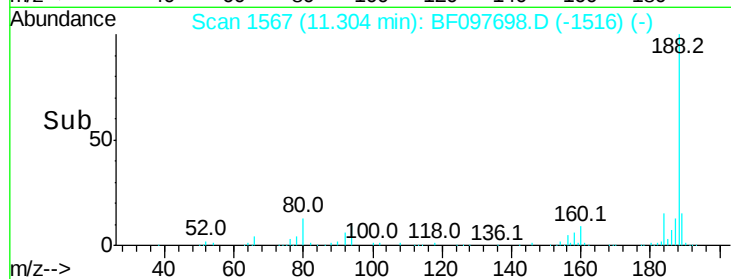
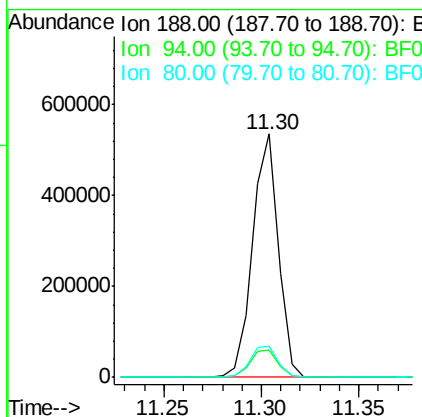
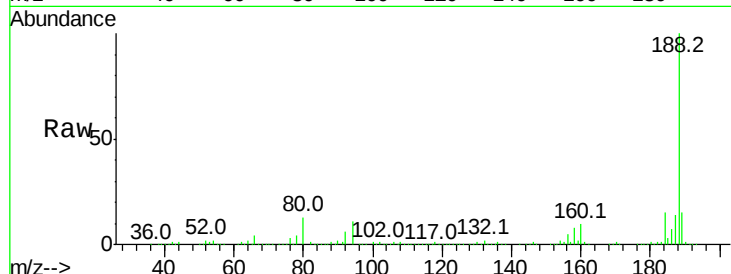
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	487724		
94	11.2		9.4	14.2
80	13.0		10.2	15.2

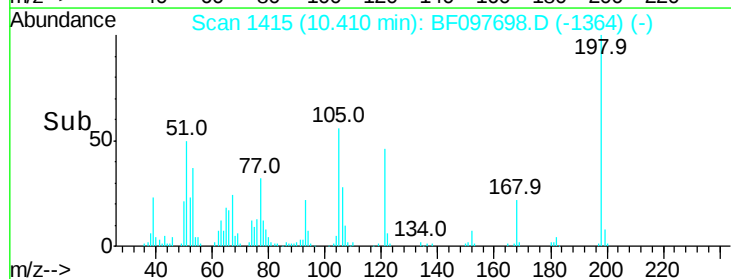
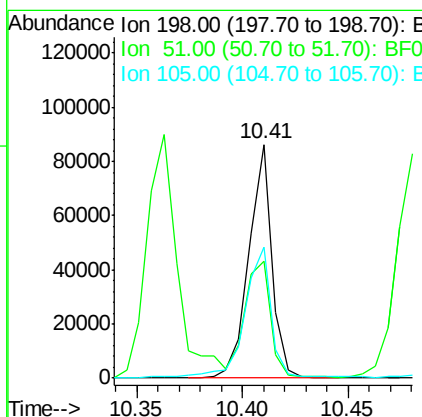
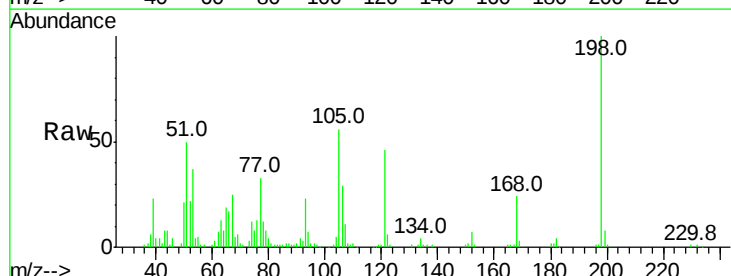
Manual Integrations
APPROVED

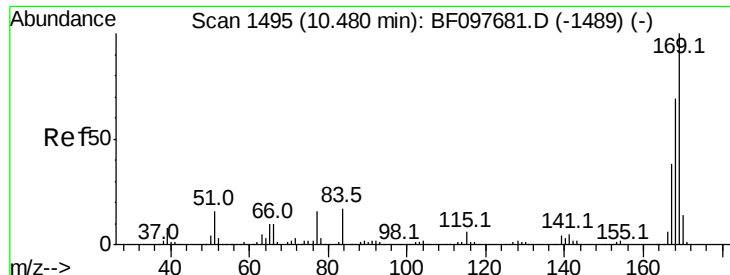
Sohil
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#64
4,6-Dinitro-2-methylphenol
Concen: 31.886 ng
RT: 10.41 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	65519		
51	50.4		53.2	93.2#
105	56.4		45.8	85.8





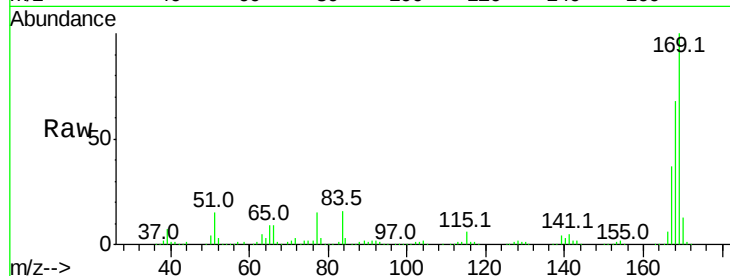
#65
n-Nitrosodiphenylamine
Concen: 29.110 ng
RT: 10.48 min Scan# 1427
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

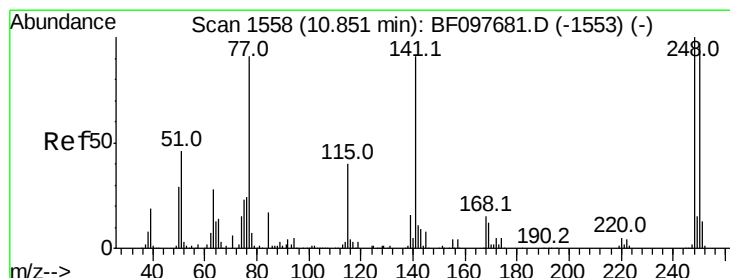
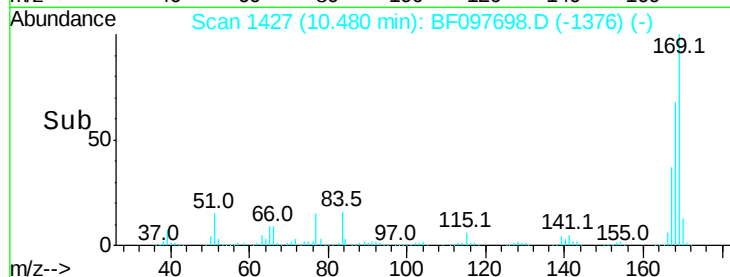
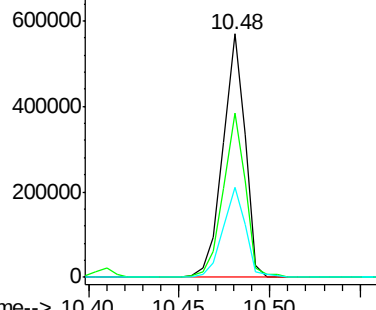
Tot Ion	Ratio	Resp	Lower	Upper
169	100	483466		
168	67.5	53.2	79.8	
167	37.1	29.5	44.3	

Manual Integrations
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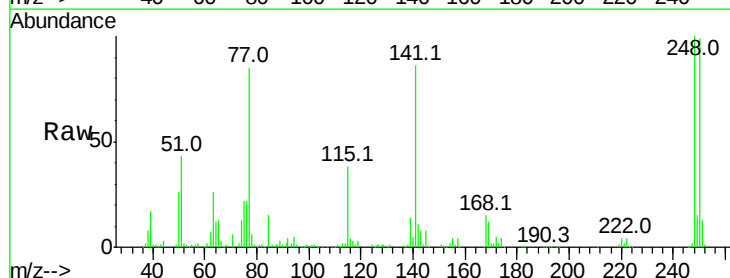


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

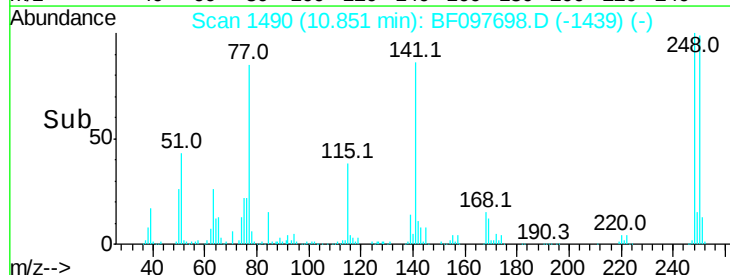
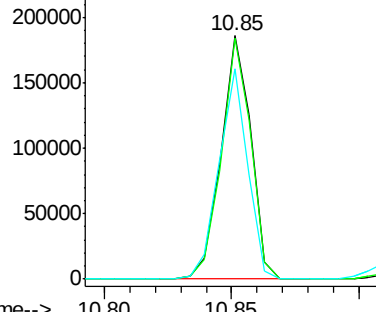


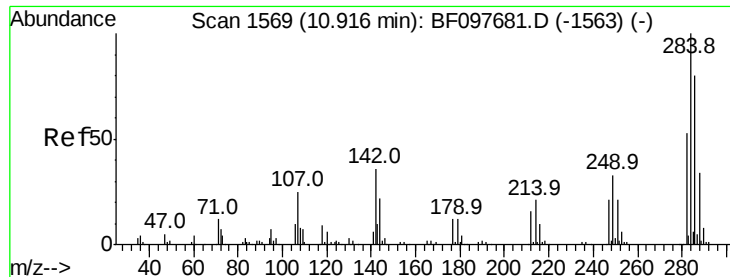
#66
4-Bromophenyl-phenylether
Concen: 29.959 ng
RT: 10.85 min Scan# 1490
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	151735		
250	98.8	76.8	115.2	
141	86.2	68.6	103.0	



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





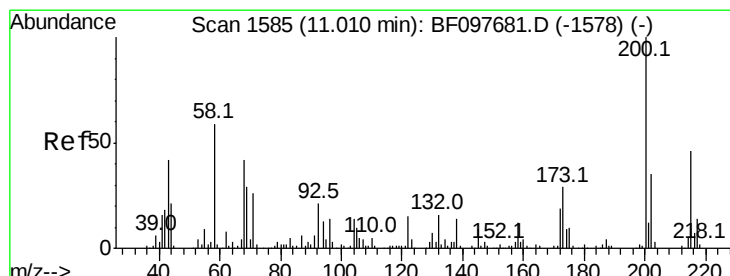
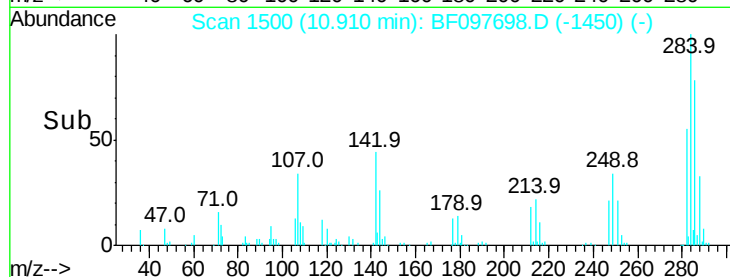
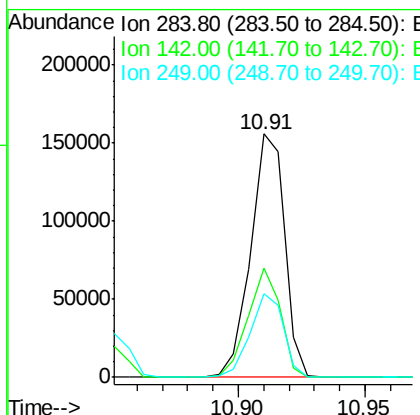
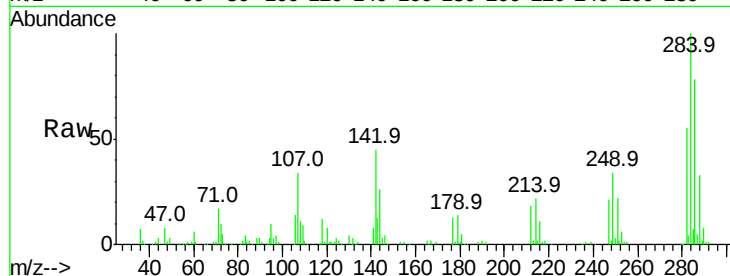
#67
Hexachlorobenzene
Concen: 28.285 ng
RT: 10.91 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Resp Lower	Upper
284	100		
142	45.1	22.8	34.2#
249	34.3	24.0	36.0

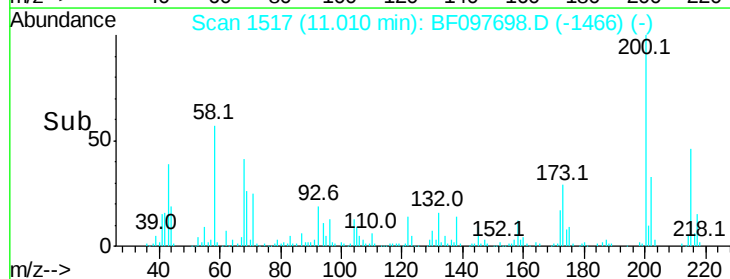
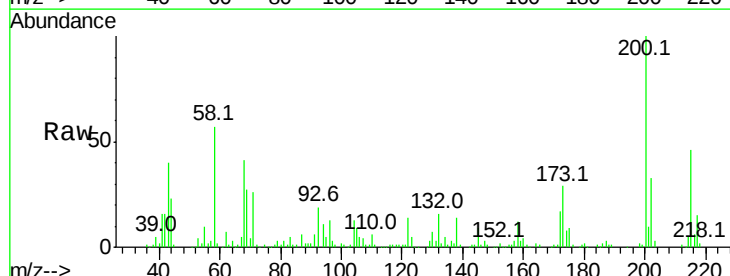
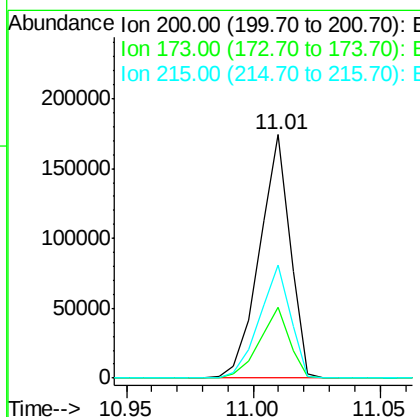
Manual Integrations
APPROVED

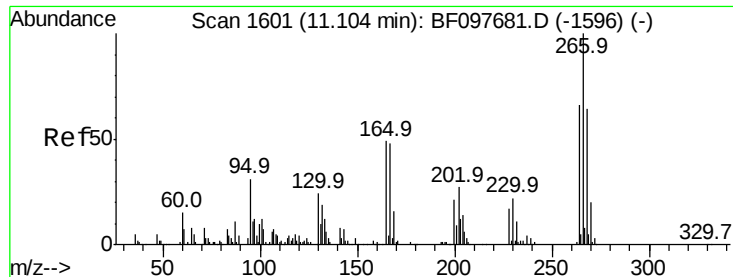
Sohil
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#68
Atrazine
Concen: 33.450 ng
RT: 11.01 min Scan# 1517
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Resp Lower	Upper
200	100		
173	28.9	6.3	46.3
215	46.2	27.2	67.2





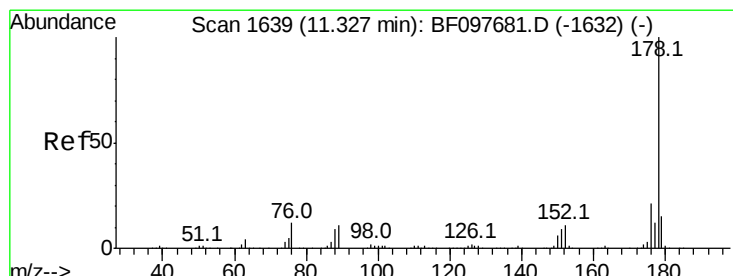
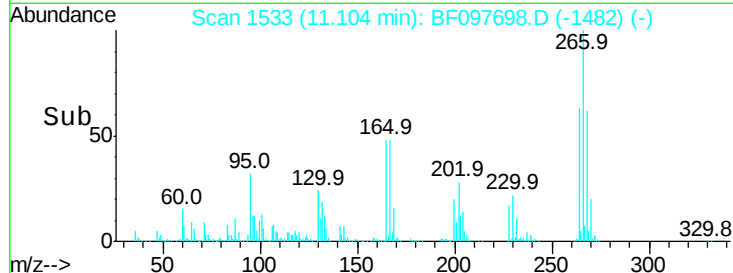
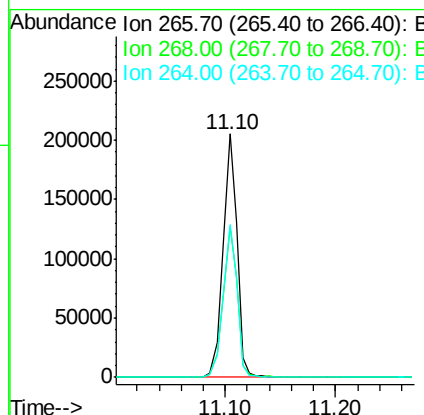
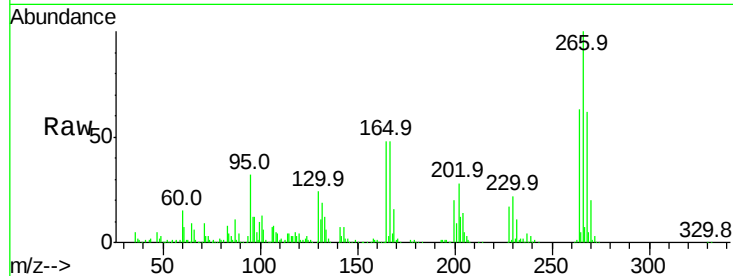
#69
 Pentachlorophenol
 Concen: 60.618 ng
 RT: 11.10 min Scan# 1533
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	182454		
268	61.9	51.1	76.7	
264	62.9	51.7	77.5	

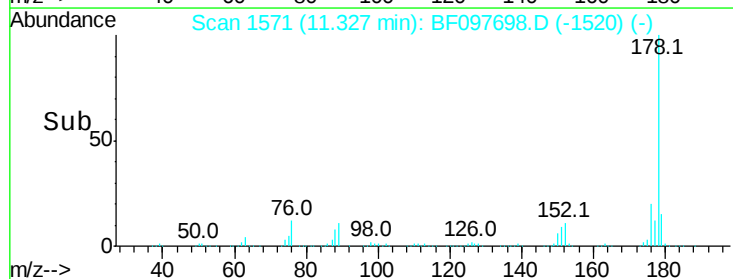
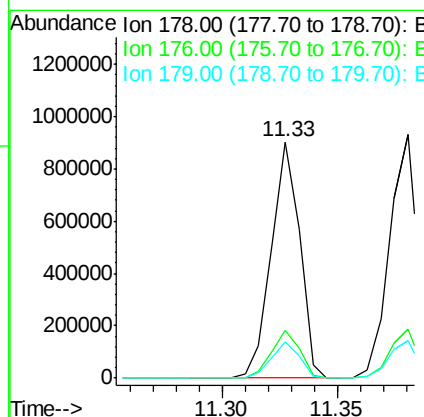
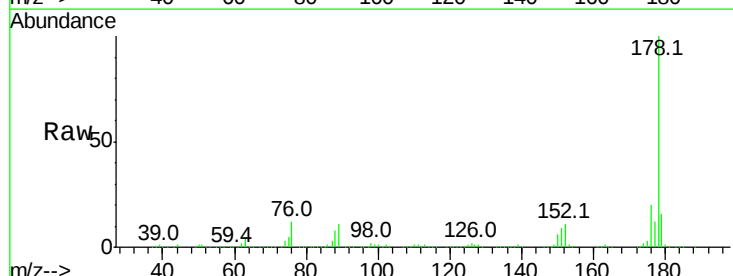
Manual Integrations
 APPROVED

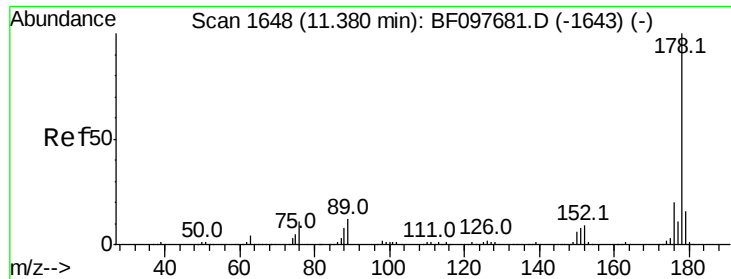
Sohil
 8/16/2017 6:45:24 PM



#70
 Phenanthrene
 Concen: 29.753 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	773251		
176	20.3	16.2	24.4	
179	15.5	12.6	19.0	





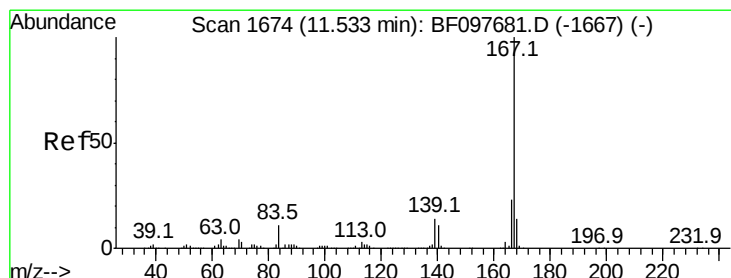
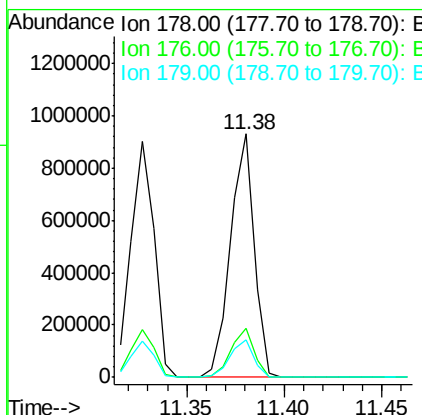
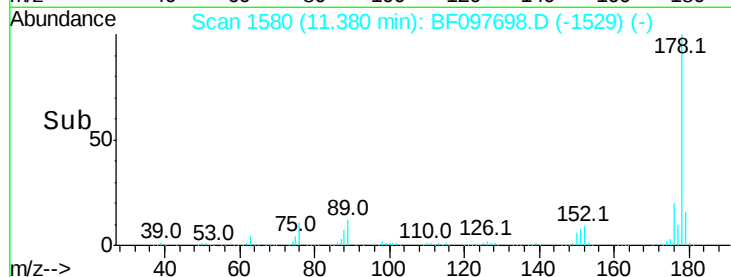
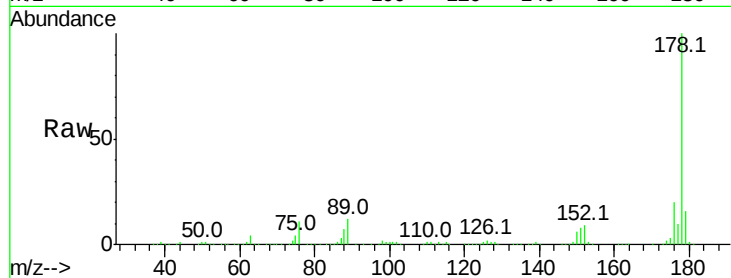
#71
 Anthracene
 Concen: 29.965 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.6	12.7	19.1

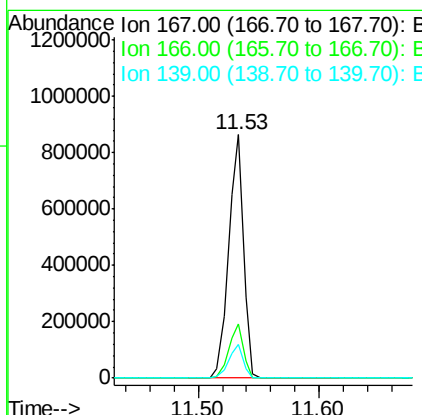
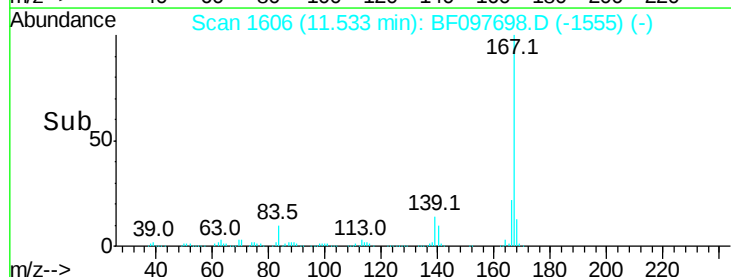
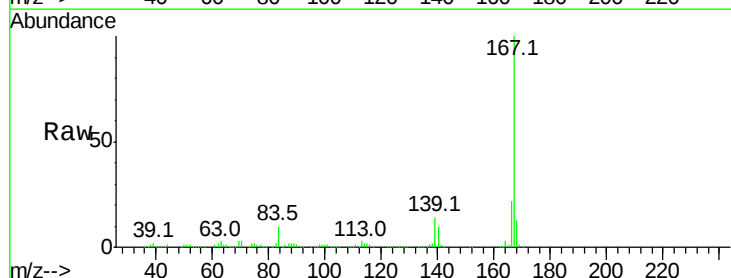
Manual Integrations
 APPROVED

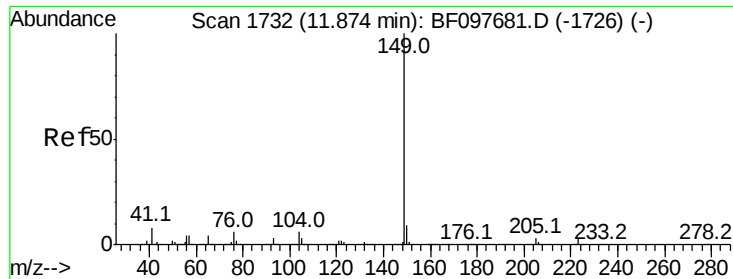
Sohil
 8/16/2017 6:45:24 PM



#72
 Carbazole
 Concen: 29.492 ng
 RT: 11.53 min Scan# 1606
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.1	27.1
139	13.7	11.7	17.5





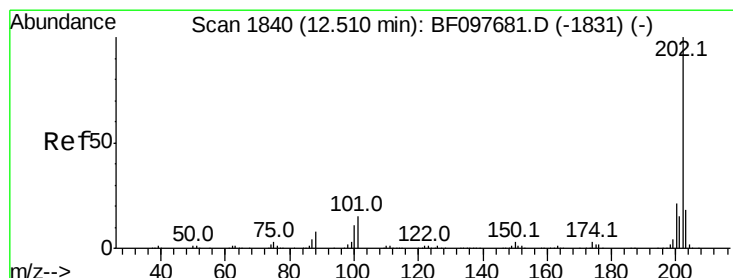
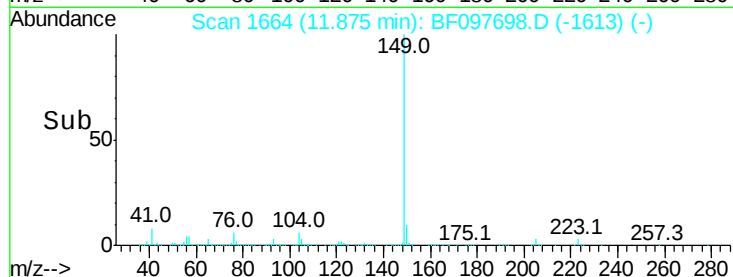
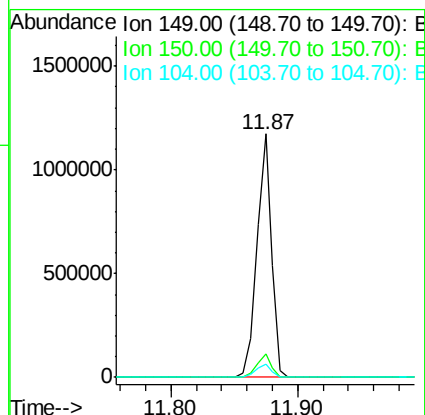
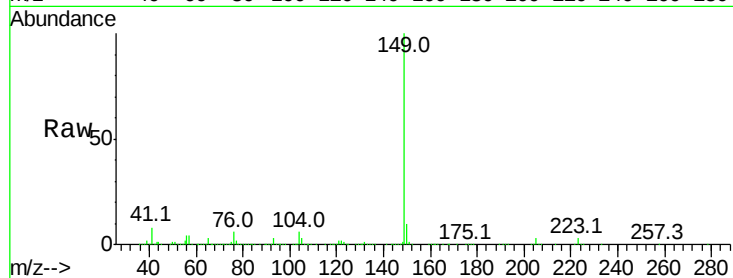
#73
Di-n-butylphthalate
Concen: 33.051 ng
RT: 11.87 min Scan# 1664
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
150	9.5	7.7	11.5	
104	5.6	4.0	6.0	

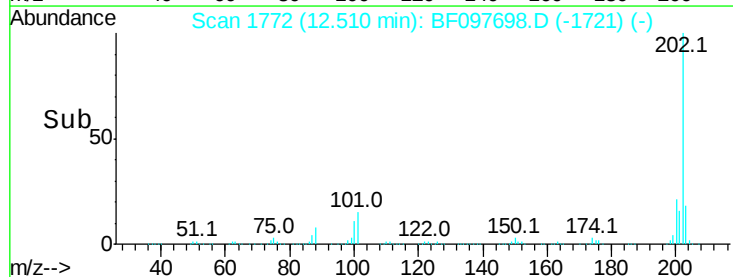
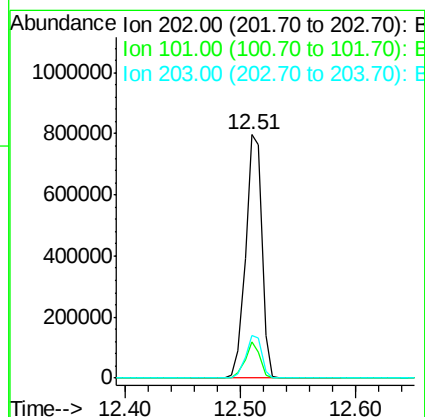
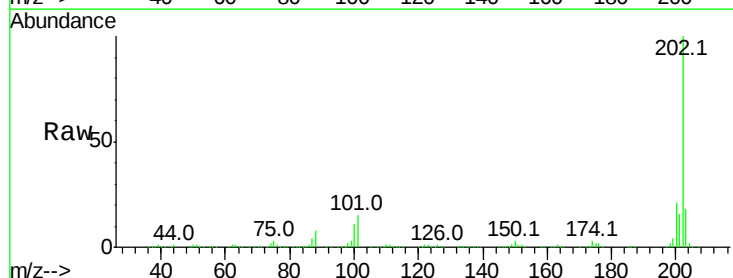
Manual Integrations
APPROVED

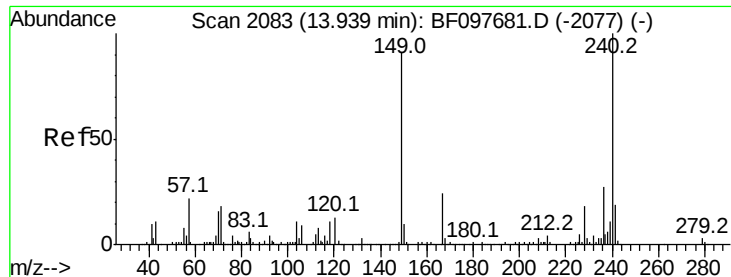
Sohil
8/16/2017 6:45:24 PM



#74
Fluoranthene
Concen: 28.710 ng
RT: 12.51 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	15.0	0.0	33.2	
203	17.6	0.0	38.1	





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

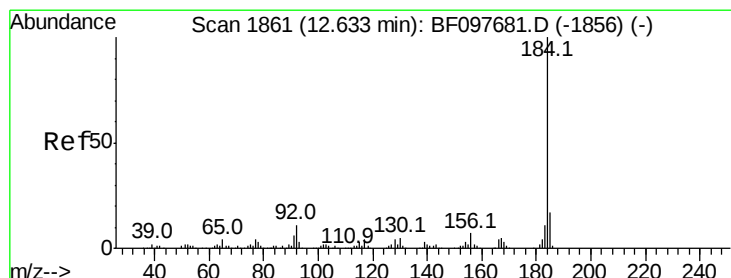
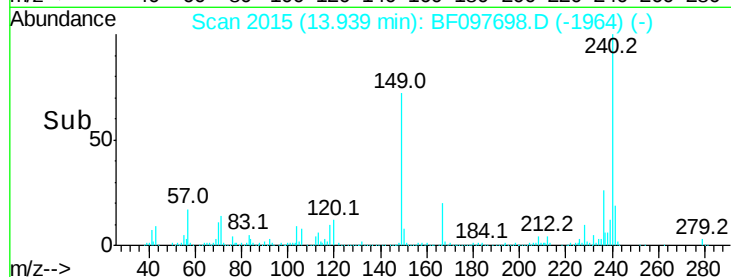
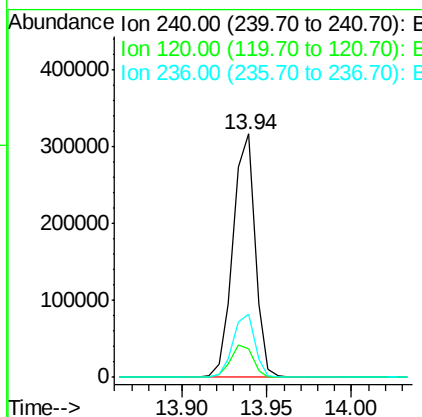
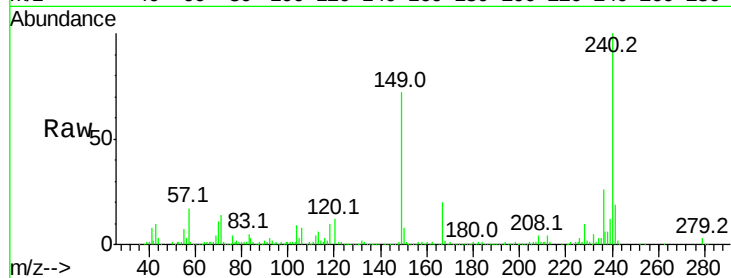
ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.7	5.8	8.8#
236	26.2	20.5	30.7

Manual Integrations
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#76

Benzidine

Concen: 21.264 ng

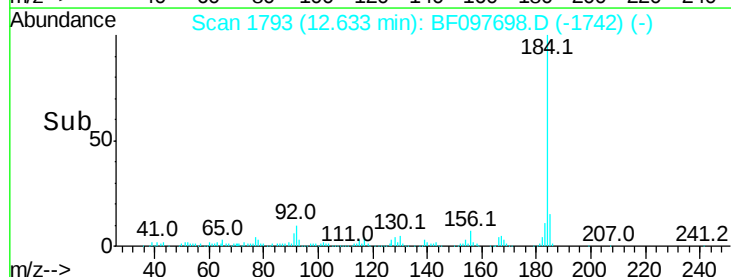
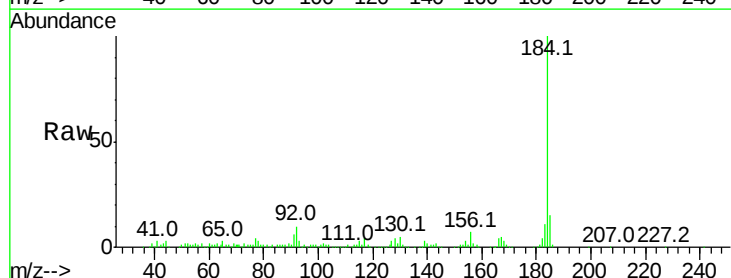
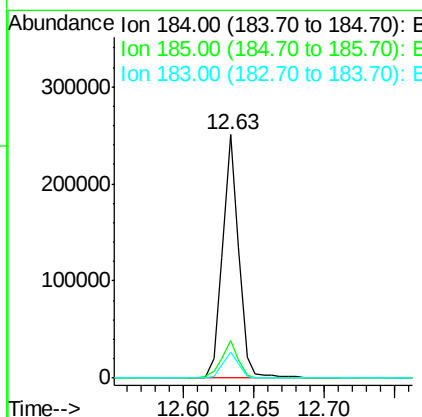
RT: 12.63 min Scan# 1793

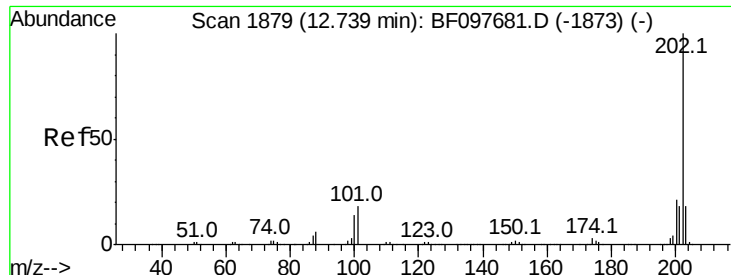
Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.3	15.5	23.3#
183	10.8	9.8	14.6





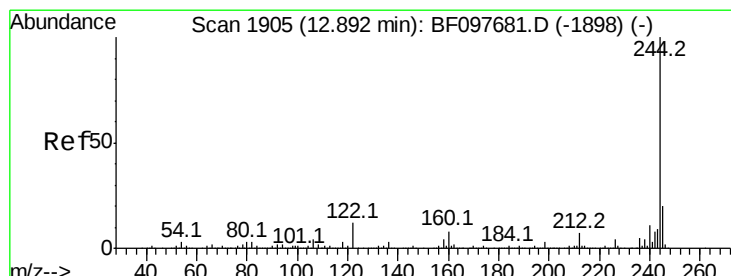
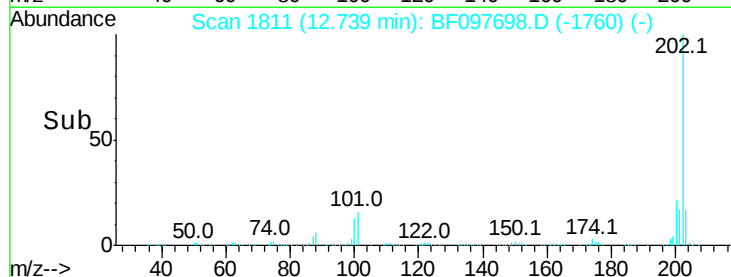
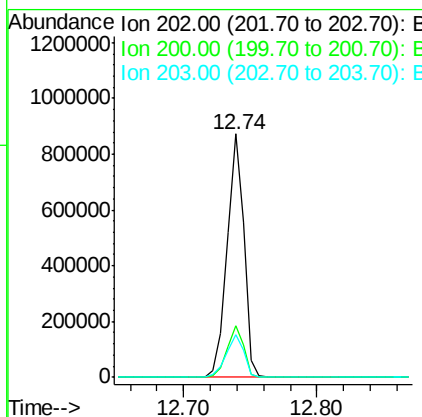
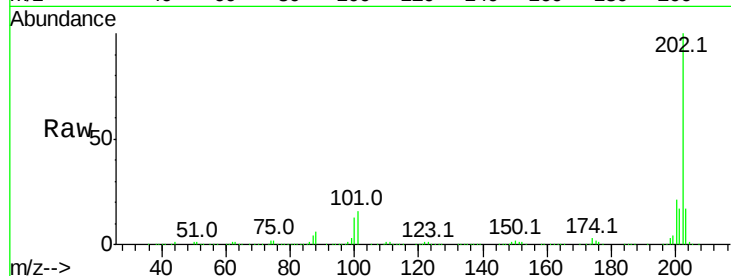
#77
Pvrene
Concen: 32.951 ng
RT: 12.74 min Scan# 1811
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	17.6	26.4
203	17.3	14.4	21.6

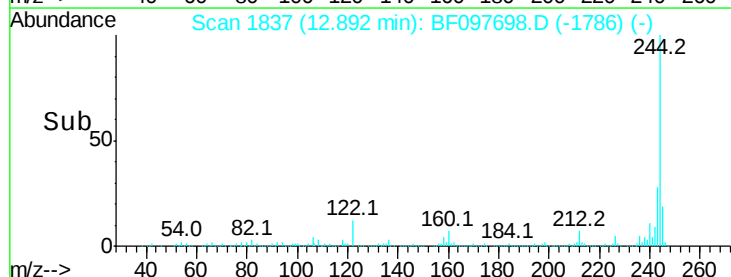
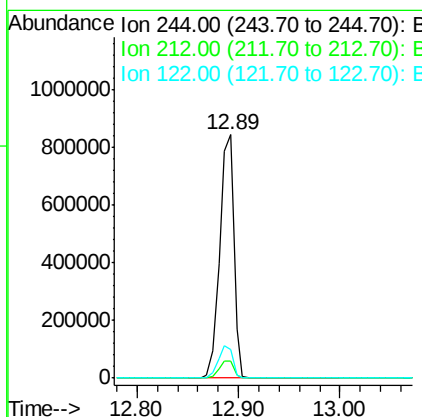
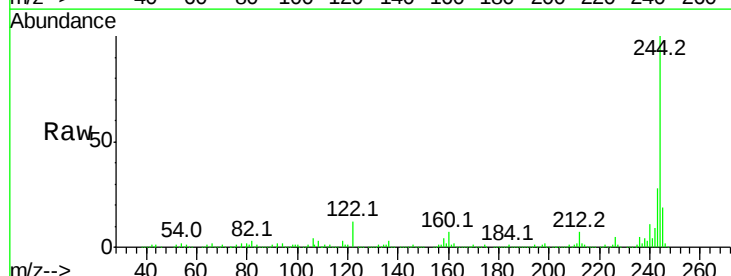
Manual Integrations
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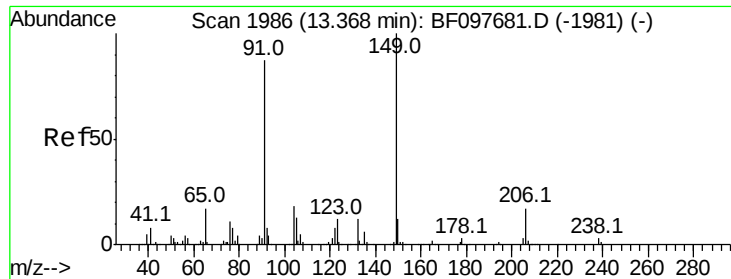
Sohil
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#78
Terphenyl-d14
Concen: 59.150 ng
RT: 12.89 min Scan# 1837
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	6.0	9.0
122	11.9	10.3	15.5





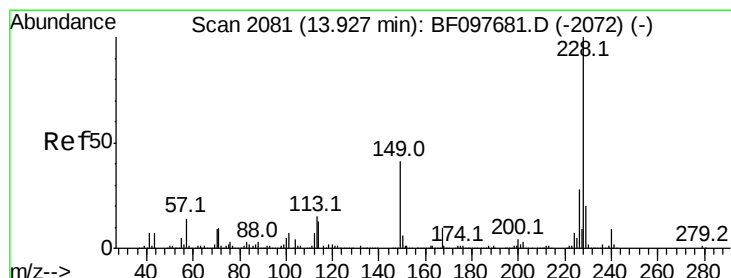
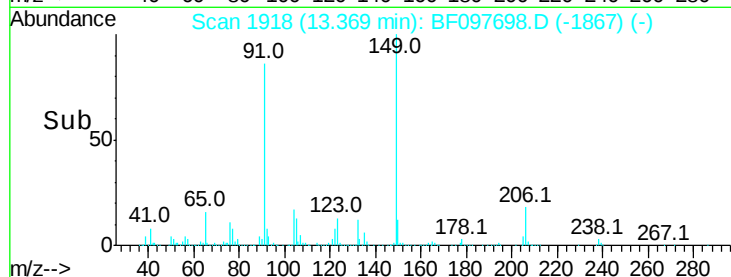
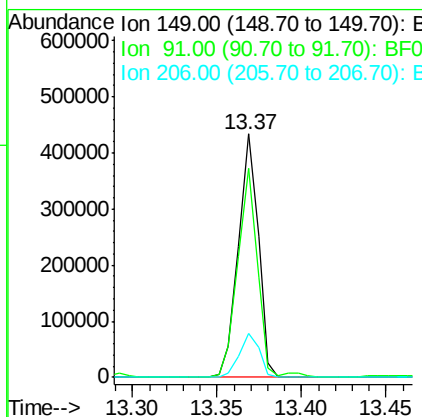
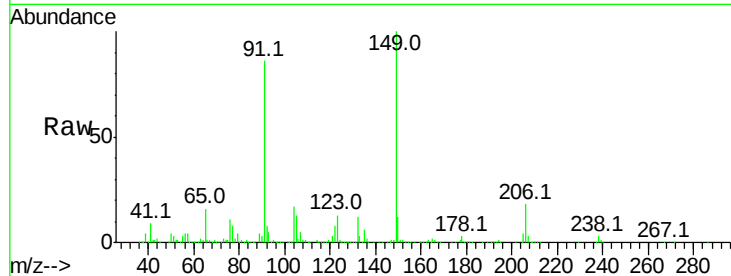
#79
Butylbenzylphthalate
Concen: 39.224 ng
RT: 13.37 min Scan# 1918
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	355456		
91	86.1	45.0	67.4#	
206	18.3	17.0	25.6	

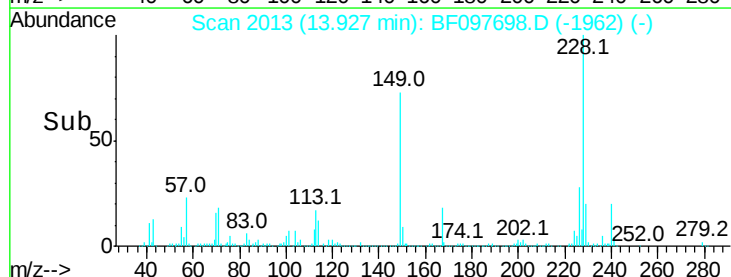
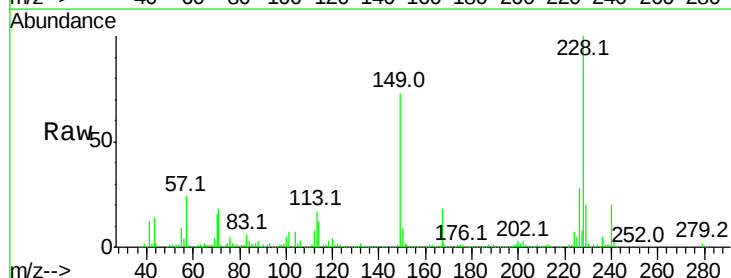
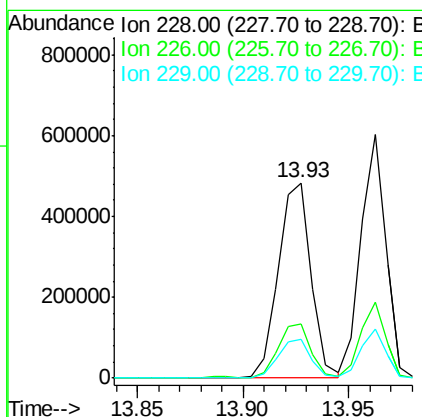
Manual Integrations
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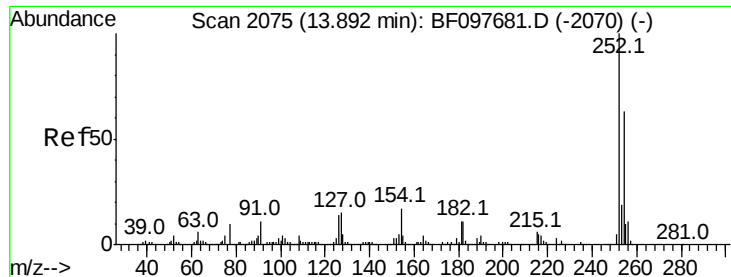
Sohil
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#80
Benzo(a)anthracene
Concen: 30.123 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	521750		
226	27.8	22.6	33.8	
229	19.7	16.3	24.5	





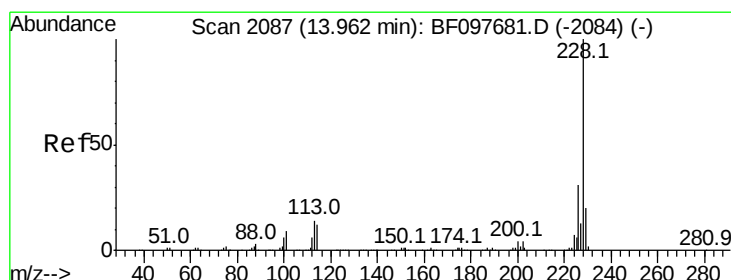
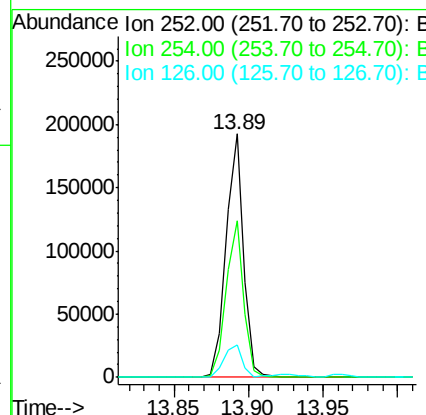
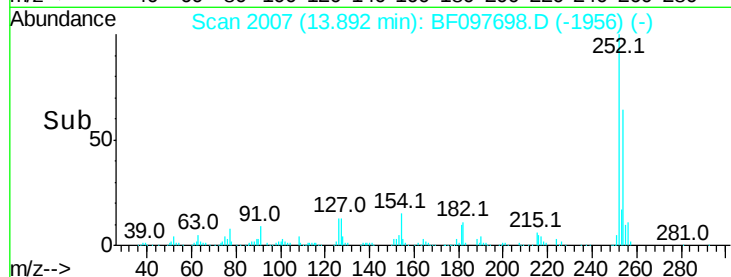
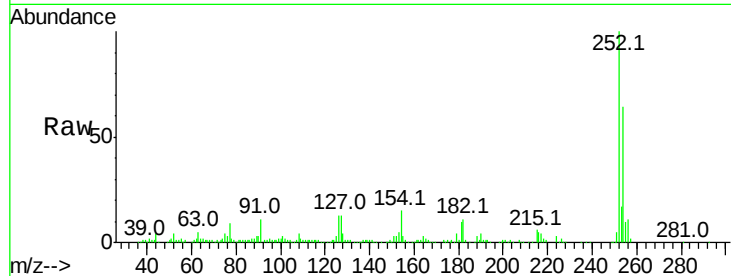
#81
 3,3'-Dichlorobenzidine
 Concen: 27.401 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	64.2	51.5	77.3
126	13.4	15.8	23.8#

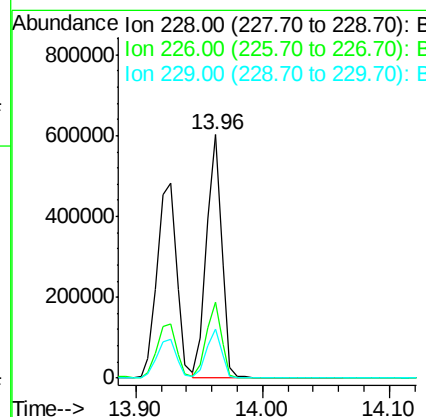
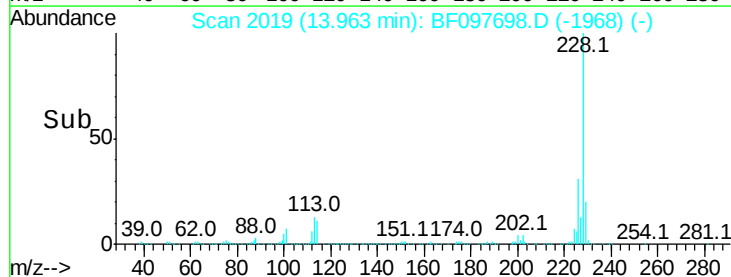
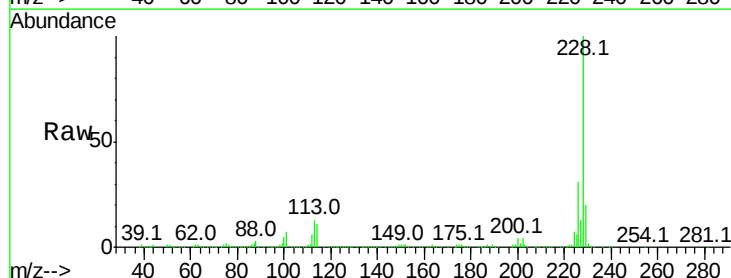
Manual Integrations
 APPROVED

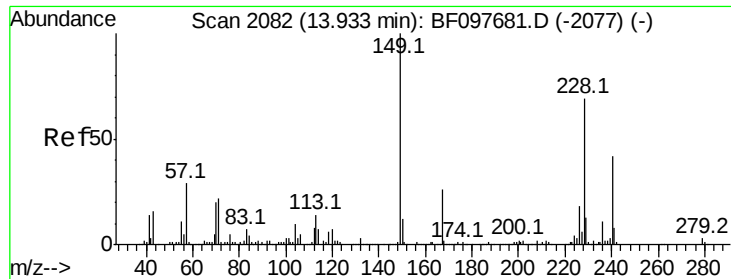
Sohil
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#82
 Chrysene
 Concen: 29.061 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.1	24.9	37.3
229	20.1	15.8	23.6





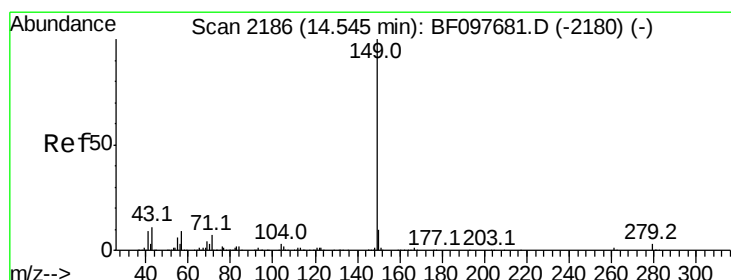
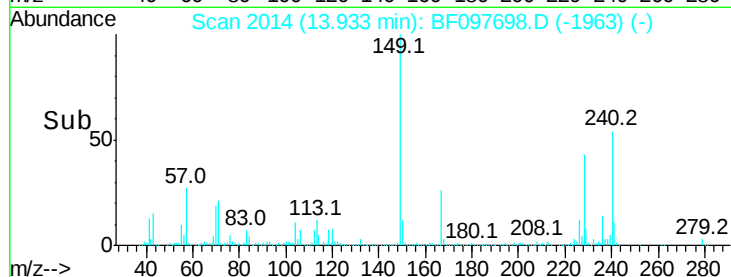
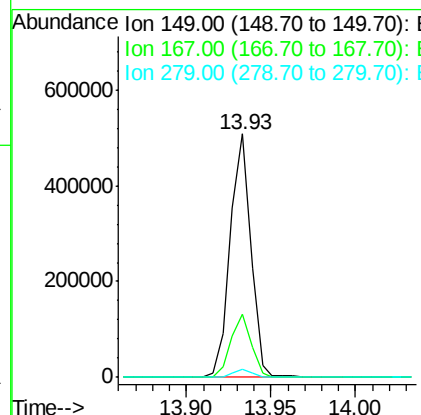
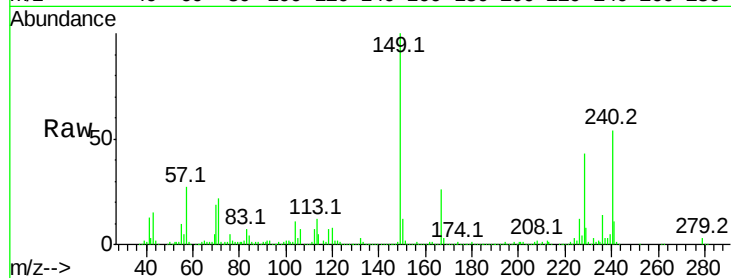
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 43.065 ng
 RT: 13.93 min Scan# 2014
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

Tot Ion:	149	Resp:	432458
Ion Ratio	Lower	Upper	
149	100		
167	25.9	21.0	31.4
279	3.2	1.9	2.9

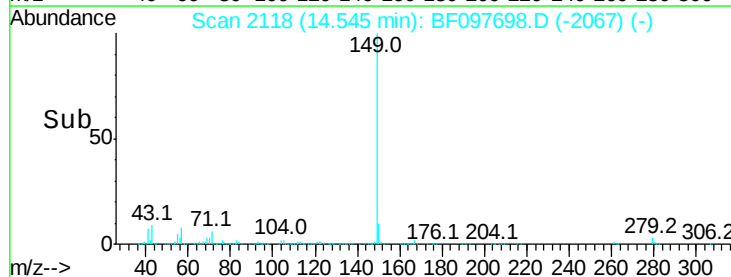
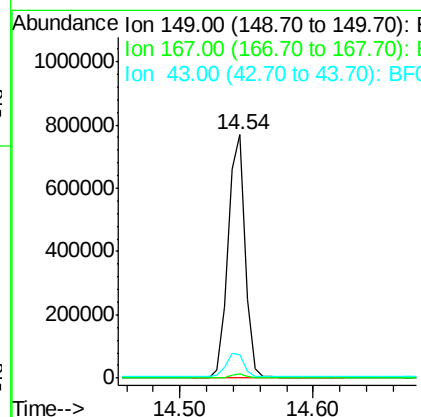
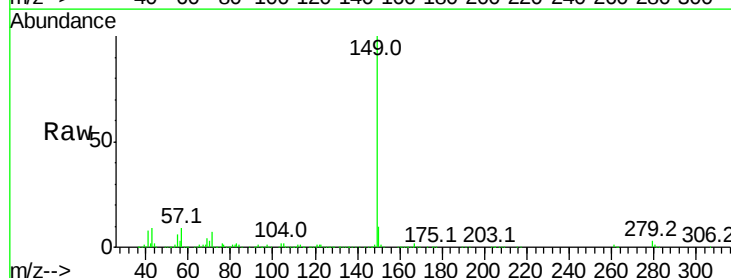
Manual Integrations
 APPROVED

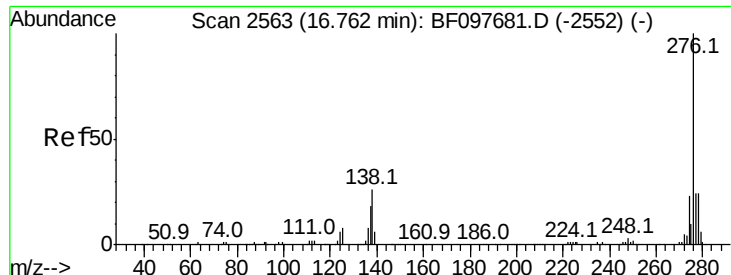
Sohil
 8/16/2017 6:45:24 PM



#84
 Di-n-octyl phthalate
 Concen: 39.818 ng
 RT: 14.54 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Tgt Ion:	149	Resp:	695727
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.2	1.8
43	10.2	8.5	12.7





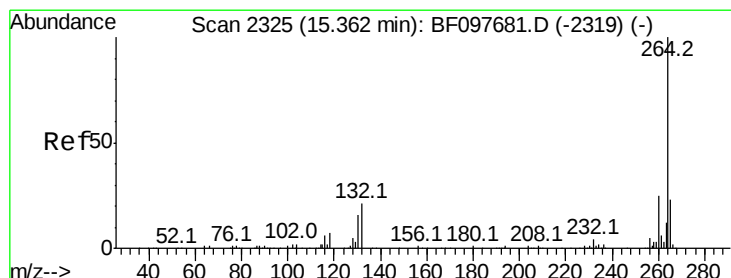
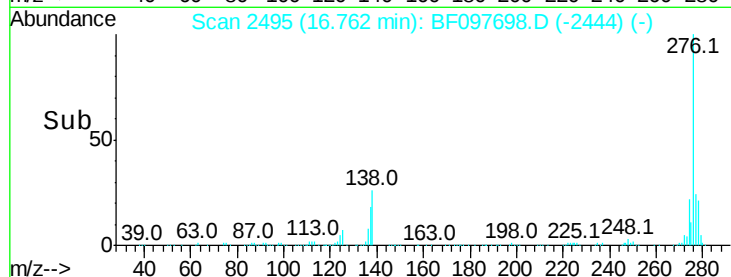
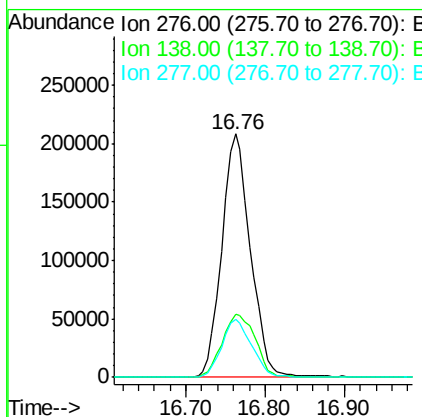
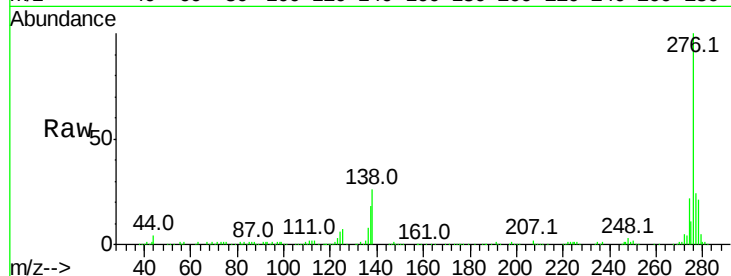
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 41.062 ng
 RT: 16.76 min Scan# 2495
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.2	27.8	41.6
277	25.0	20.2	30.4

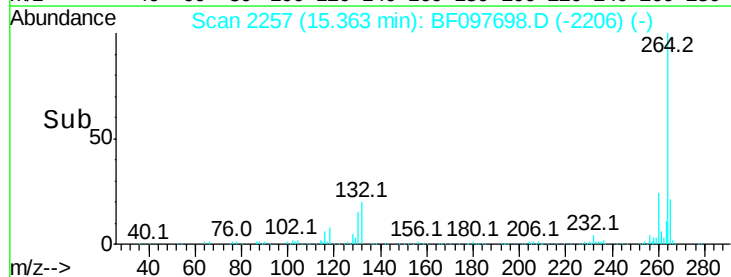
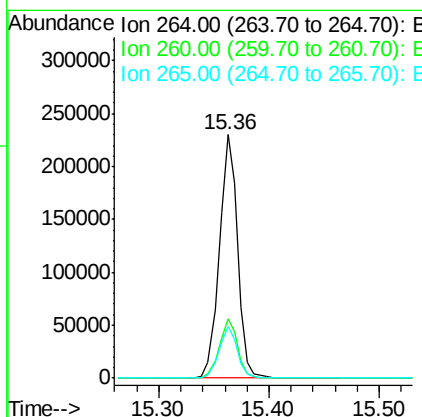
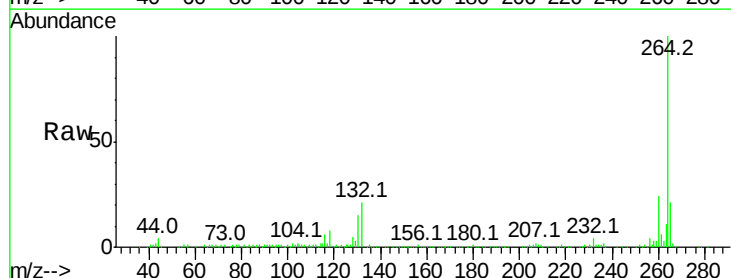
Manual Integrations
 APPROVED

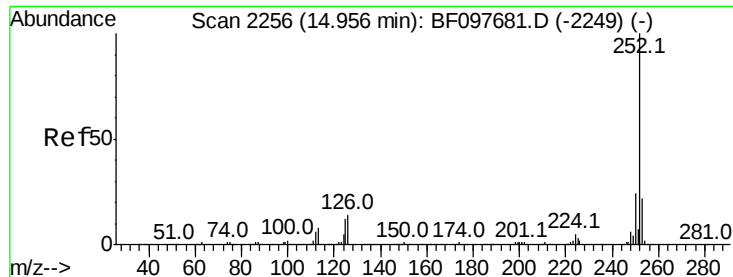
Sohil
 8/16/2017 6:45:24 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.36 min Scan# 2257
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.4	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 28.597 ng

RT: 14.96 min Scan# 2188

Delta R.T. 0.00 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Instrument :

BNA_F

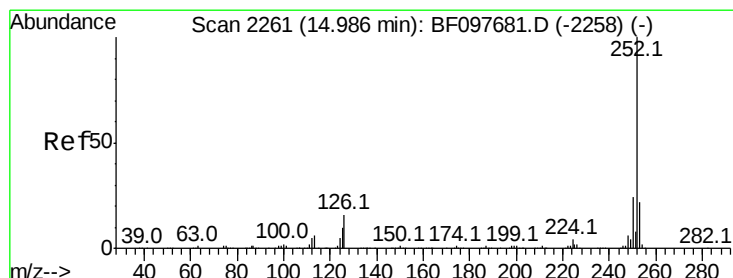
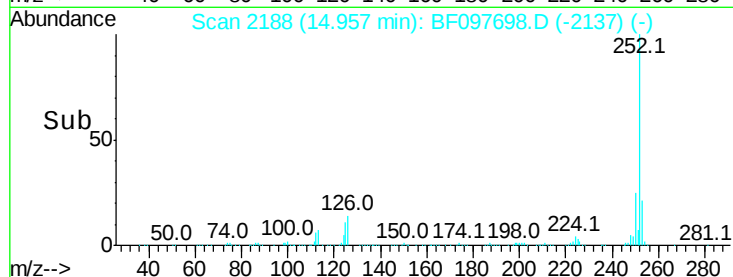
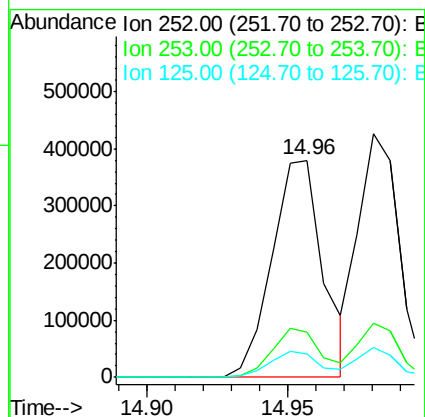
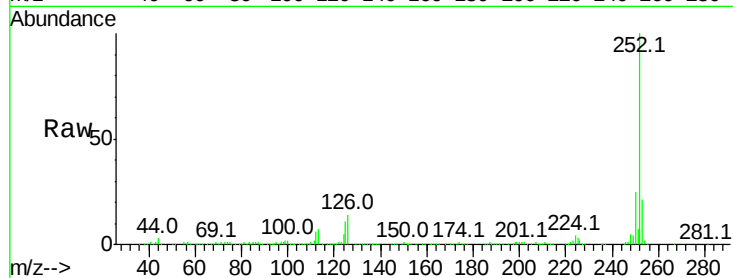
ClientSampleId :

TOPSOIL-MATERIAL-COMPMS

Tot Ion:	252	Resp:	477072
Ion Ratio	Lower	Upper	
252	100		
253	21.1	18.1	27.1
125	10.7	9.8	14.8

Manual Integrations
APPROVED

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#88

Benzo(k)fluoranthene

Concen: 27.436 ng

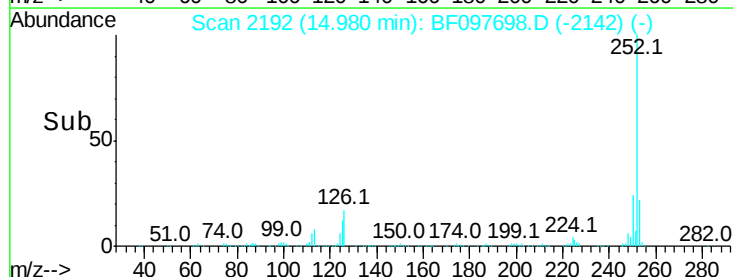
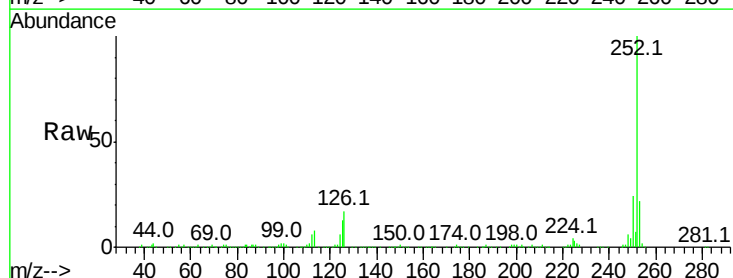
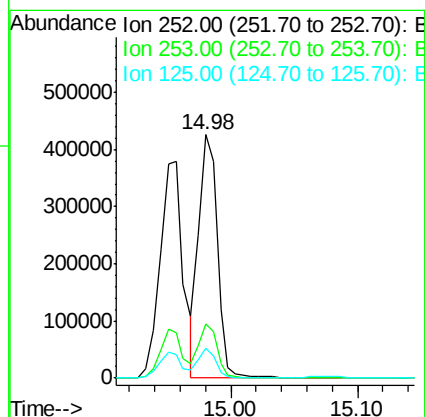
RT: 14.98 min Scan# 2192

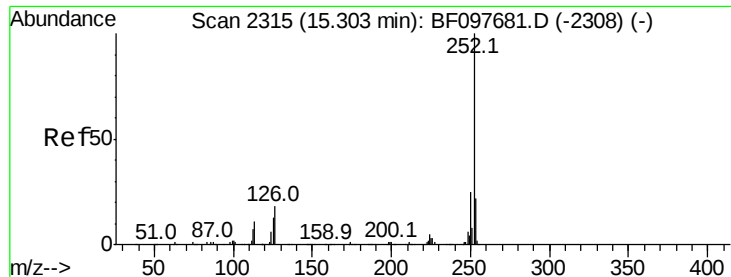
Delta R.T. -0.01 min

Lab File: BF097698.D

Acq: 15 Aug 2017 18:34

Tgt Ion:	252	Resp:	430017
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.4	27.6
125	12.5	13.1	19.7#





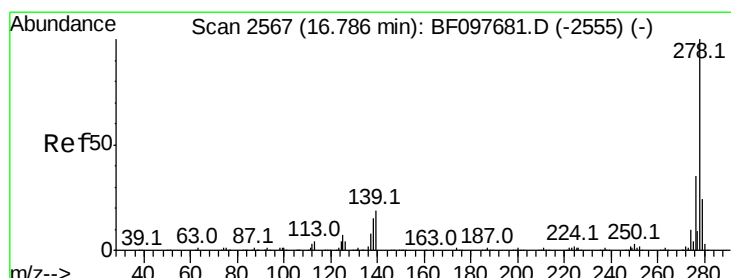
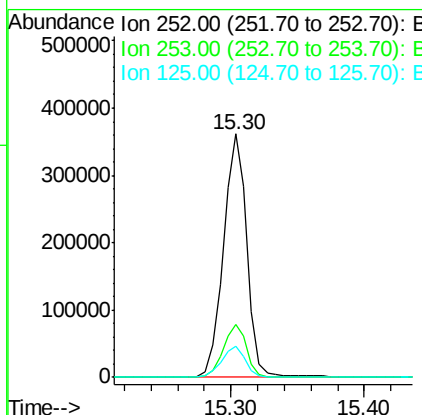
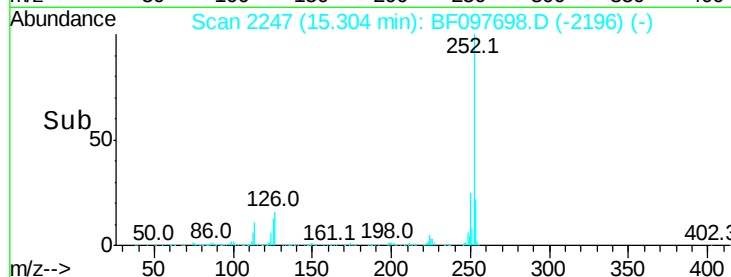
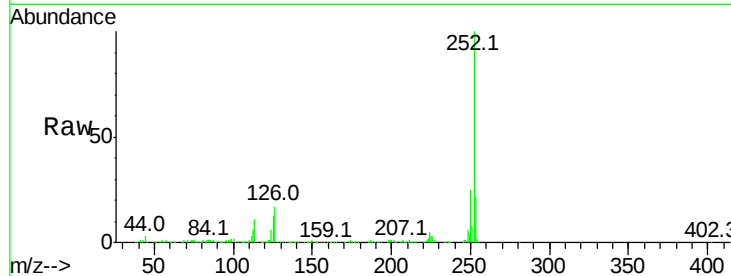
#89
Benzo(a)pyrene
Concen: 30.334 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	447987		
253	21.7		17.5	26.3
125	13.0		11.0	16.4

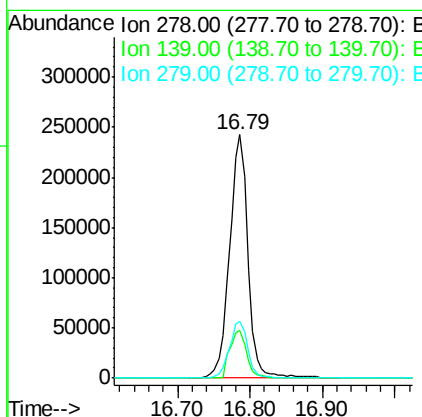
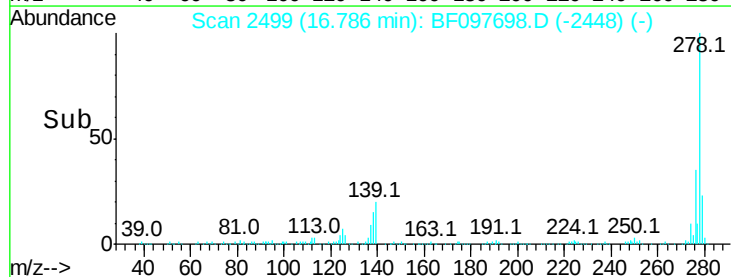
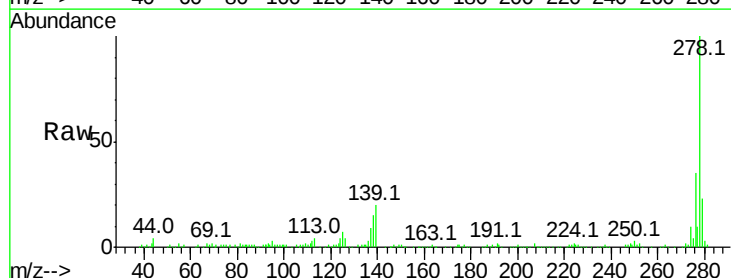
Manual Integrations
APPROVED

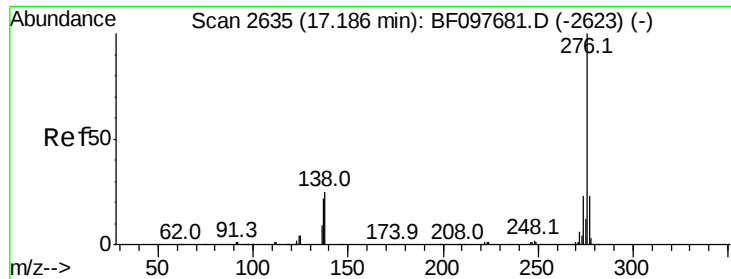
Sohil
8/16/2017 6:45:24 PM



#90
Dibenzo(a,h)anthracene
Concen: 35.649 ng
RT: 16.79 min Scan# 2499
Delta R.T. 0.00 min
Lab File: BF097698.D
Acq: 15 Aug 2017 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	428616		
139	19.8		16.6	24.8
279	23.3		19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 35.056 ng
 RT: 17.19 min Scan# 2567
 Delta R.T. 0.00 min
 Lab File: BF097698.D
 Acq: 15 Aug 2017 18:34

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMPMS

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.6	28.0
138	26.9	25.4	38.0

Manual Integrations
 APPROVED

Sohil
 8/16/2017 6:45:24 PM

