

Data Path : Z:\HPCHEM1\BNA F\Data\BF080417\
 Data File : BF097369.D
 Acq On : 4 Aug 2017 21:31
 Operator : SJ/JU
 Sample : I4591-04MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

Manual Integrations
 APPROVED

Sohil
 8/7/2017 6:10:02 PM

Quant Time: Aug 07 11:59:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	118959	20.00	ng	-0.06
21) Naphthalene-d8	7.72	136	500722	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	196788	20.00	ng	-0.07
63) Phenanthrene-d10	10.93	188	291718	20.00	ng	-0.07
75) Chrysene-d12	13.56	240	183062	20.00	ng	-0.07
86) Perylene-d12	14.90	264	188624	20.00	ng	-0.08

System Monitoring Compounds

5) 2-Fluorophenol	5.05	112	725635	91.95	ng	-0.05
7) Phenol-d6	6.12	99	879705	97.65	ng	-0.05
23) Nitrobenzene-d5	7.02	82	523482	61.33	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	121153	77.92	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	597527	51.53	ng	-0.07
78) Terphenyl-d14	12.51	244	426304	47.48	ng	-0.08

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.99	88	94557	28.714	ng	# 74
3) Pyridine	2.60	79	302023	29.951	ng	# 65
4) n-Nitrosodimethylamine	2.55	42	180752	32.356	ng	83
6) Aniline	6.10	93	275345	24.288	ng	96
8) 2-Chlorophenol	6.23	128	262980	31.166	ng	95
9) Benzaldehyde	5.98	77	146535	27.480	ng	94
10) Phenol	6.13	94	392925	36.771	ng	95
11) bis(2-Chloroethyl)ether	6.19	93	236448	27.977	ng	93
12) 1,3-Dichlorobenzene	6.37	146	263991	29.031	ng	97
13) 1,4-Dichlorobenzene	6.46	146	275540	30.576	ng	95
14) 1,2-Dichlorobenzene	6.61	146	238641	30.329	ng	97
15) Benzyl Alcohol	6.60	79	214946	37.686	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.73	45	546531	32.241	ng	95
17) 2-Methylphenol	6.74	107	209265	32.134	ng	# 90
18) Hexachloroethane	6.95	117	96276	29.203	ng	# 79
19) n-Nitroso-di-n-propylamine	6.87	70	221473	37.349	ng	# 82
20) 3+4-Methylphenols	6.90	107	323510	38.035	ng	# 61
22) Acetophenone	6.86	105	413463	34.385	ng	# 96
24) Nitrobenzene	7.03	77	294155	33.090	ng	93
25) Isophorone	7.27	82	492816	29.482	ng	98
26) 2-Nitrophenol	7.35	139	119107	24.766	ng	# 89
27) 2,4-Dimethylphenol	7.41	122	225810	28.463	ng	99
28) bis(2-Chloroethoxy)methane	7.49	93	333993	30.618	ng	99
29) 2,4-Dichlorophenol	7.61	162	220641	32.283	ng	96
30) 1,2,4-Trichlorobenzene	7.67	180	185477	28.471	ng	97
31) Naphthalene	7.75	128	751935	31.857	ng	100
33) 4-Chloroaniline	7.81	127	201439	20.974	ng	97
34) Hexachlorobutadiene	7.87	225	96183	27.850	ng	96
35) Caprolactam	8.17	113	71791	32.758	ng	# 39
36) 4-Chloro-3-methylphenol	8.32	107	221123	29.656	ng	88
37) 2-Methylnaphthalene	8.43	142	456168	30.524	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.60	216	156031	29.716	ng	100
40) Hexachlorocyclopentadiene	8.59	237	13447	13.312	ng	97
42) 2,4,6-Trichlorophenol	8.73	196	110133	28.943	ng	97

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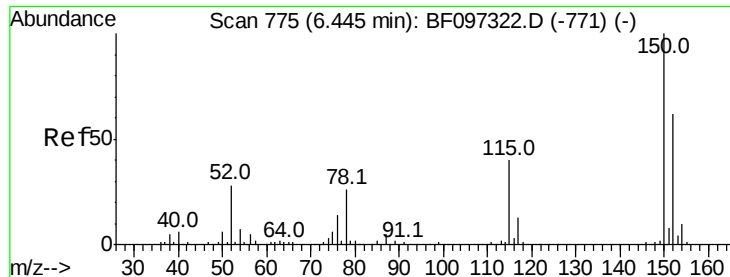
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	8.78	196	106311	27.913	nq	97
45) 1,1'-Biphenyl	8.90	154	512251	30.476	nq	97
46) 2-Chloronaphthalene	8.92	162	393088	31.780	nq	# 92
47) 2-Nitroaniline	9.03	65	164615	36.671	nq	98
48) Acenaphthylene	9.33	152	563225	29.666	nq	97
49) Dimethylphthalate	9.20	163	651371	43.588	nq	99
50) 2,6-Dinitrotoluene	9.27	165	100311	31.649	nq	# 74
51) Acenaphthene	9.50	154	324176	28.988	nq	99
52) 3-Nitroaniline	9.44	138	110568	28.105	nq	83
54) Dibenzofuran	9.67	168	462041	31.018	nq	96
55) 4-Nitrophenol	9.64	139	71328m	30.488	nq	
56) 2,4-Dinitrotoluene	9.67	165	114106	31.317	nq	# 65
57) Fluorene	10.01	166	349387	31.208	nq	96
58) 2,3,4,6-Tetrachlorophenol	9.80	232	74447	28.310	nq	99
59) Diethylphthalate	9.90	149	425391	31.028	nq	99
60) 4-Chlorophenyl-phenylether	10.00	204	144433	31.241	nq	98
61) 4-Nitroaniline	10.05	138	111253	29.762	nq	91
62) Azobenzene	10.16	77	400663	31.502	nq	91
64) 4,6-Dinitro-2-methylphenol	10.10	198	5274	2.909	nq	89
65) n-Nitrosodiphenylamine	10.13	169	343507	33.843	nq	97
66) 4-Bromophenyl-phenylether	10.49	248	95419	32.776	nq	95
67) Hexachlorobenzene	10.56	284	93327	28.587	nq	# 88
68) Atrazine	10.66	200	97592	33.530	nq	96
69) Pentachlorophenol	10.76	266	48815	36.138	nq	94
70) Phenanthrene	10.96	178	514927	32.944	nq	99
71) Anthracene	11.01	178	480204	29.996	nq	99
72) Carbazole	11.17	167	483009	30.678	nq	98
73) Di-n-butylphthalate	11.52	149	635269	32.642	nq	98
74) Fluoranthene	12.14	202	524094	34.227	nq	98
76) Benzidine	12.27	184	94304	13.884	nq	# 93
77) Pyrene	12.36	202	512770	34.215	nq	99
79) Butylbenzylphthalate	12.99	149	222515	29.189	nq	# 80
80) Benzo(a)anthracene	13.54	228	370138	31.249	nq	99
81) 3,3'-Dichlorobenzidine	13.52	252	104680	23.435	nq	# 96
82) Chrysene	13.58	228	354594	30.658	nq	98
83) Bis(2-ethylhexyl)phthalate	13.56	149	285384	28.672	nq	100
84) Di-n-octyl phthalate	14.16	149	498357	27.283	nq	# 89
85) Indeno(1,2,3-cd)pyrene	16.10	276	250950	25.303	nq	98
87) Benzo(b)fluoranthene	14.54	252	373994	32.984	nq	# 95
88) Benzo(k)fluoranthene	14.57	252	318351	29.464	nq	99
89) Benzo(a)pyrene	14.84	252	323935	31.216	nq	# 96
90) Dibenzo(a,h)anthracene	16.10	278	203716	23.939	nq	95
91) Benzo(g,h,i)perylene	16.45	276	208197	23.330	nq	98

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



#1

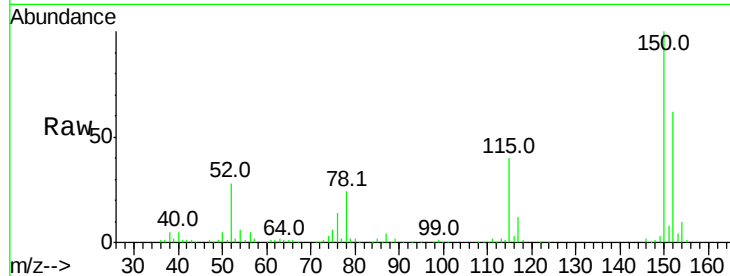
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.44 min Scan# 791
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

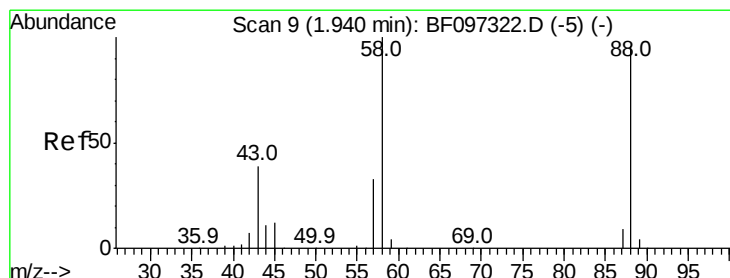
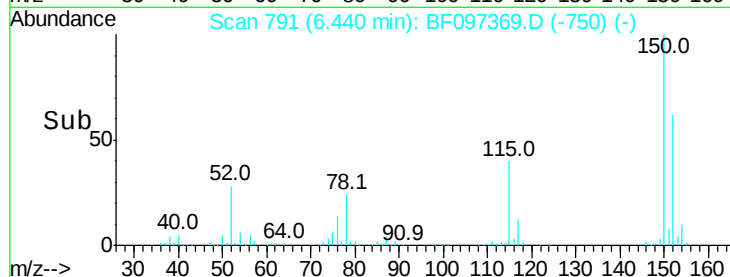
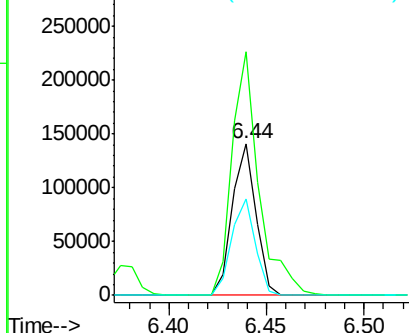
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	126.2	189.2
115	63.8	52.2	78.2

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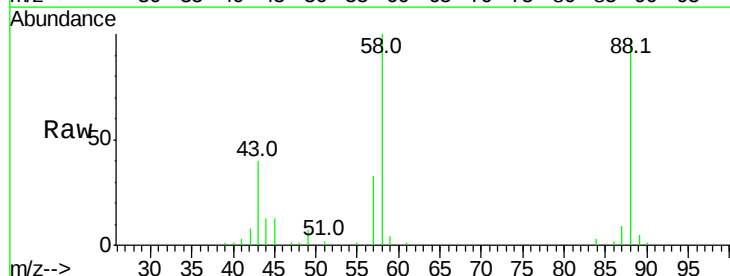
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



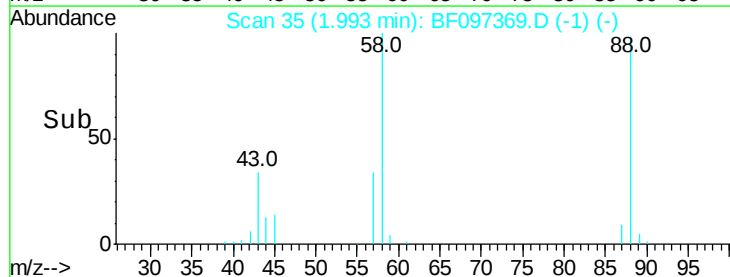
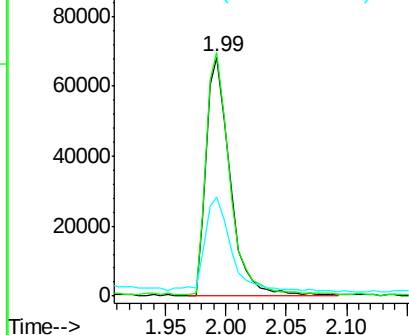
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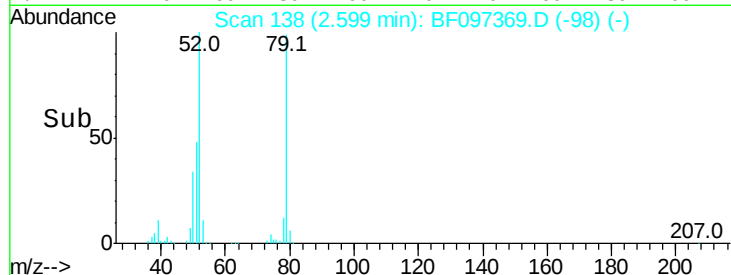
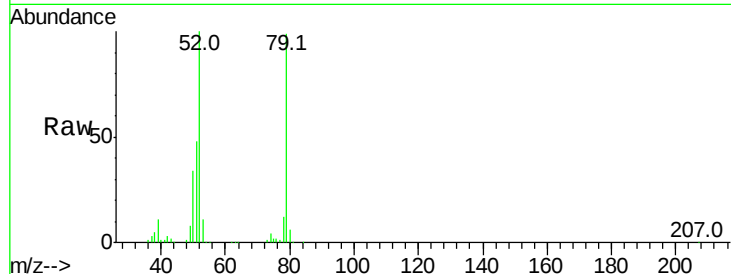
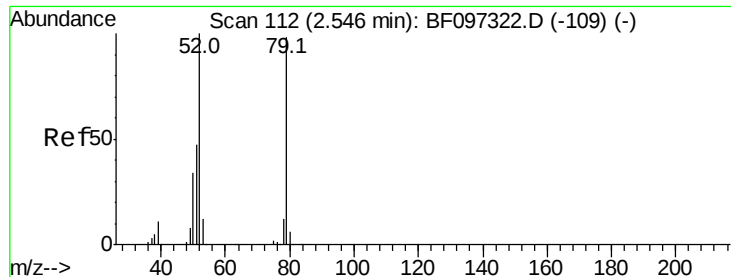
1,4-Dioxane
Concen: 28.714 ng
RT: 1.99 min Scan# 35
Delta R.T. -0.05 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	98.6	61.4	92.0#
43	43.4	23.4	35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





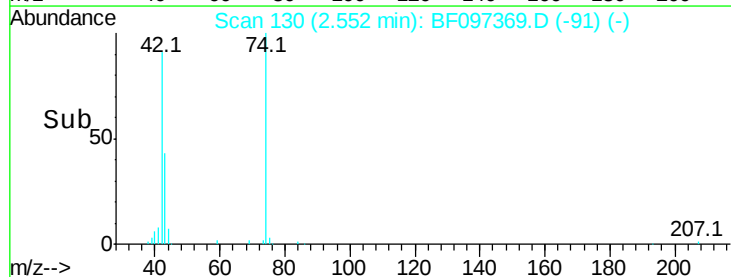
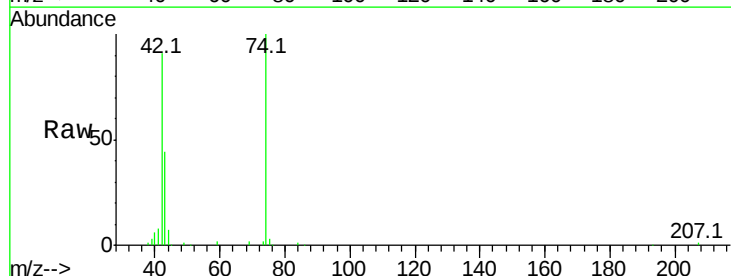
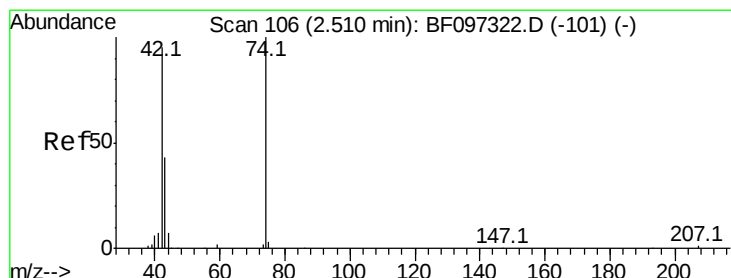
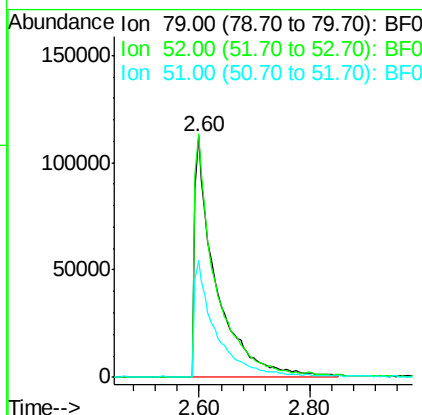
#3
Pvridine
Concen: 29.951 ng
RT: 2.60 min Scan# 138
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Tot Ion: 79 Resp: 302023
Ion Ratio Lower Upper
79 100
52 101.1 54.8 82.2#
51 48.3 27.0 40.4#

Instrument :
BNA_F
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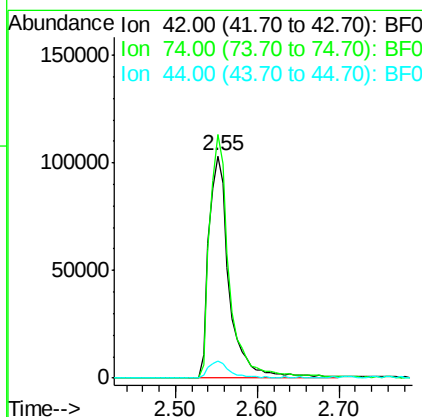
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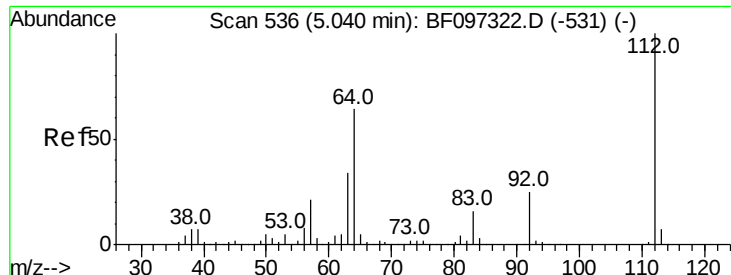
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#4
n-Nitrosodimethylamine
Concen: 32.356 ng
RT: 2.55 min Scan# 130
Delta R.T. -0.07 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Tgt Ion: 42 Resp: 180752
Ion Ratio Lower Upper
42 100
74 109.7 103.9 155.9
44 7.5 5.7 8.5





#5

2-Fluorophenol

Concen: 91.955 ng

RT: 5.05 min Scan# 554

Delta R.T. -0.05 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

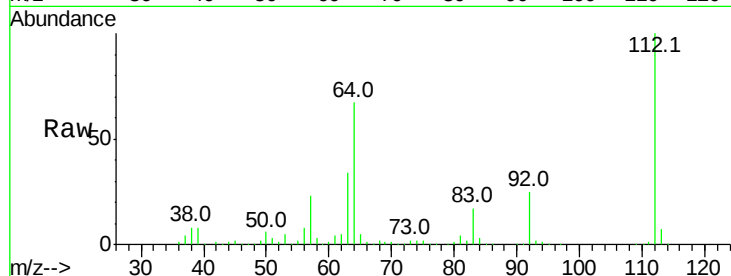
ClientSampleId :

GRAVEL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
112	100	725635		
64	66.9	46.0	69.0	
63	34.5	23.4	35.0	

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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

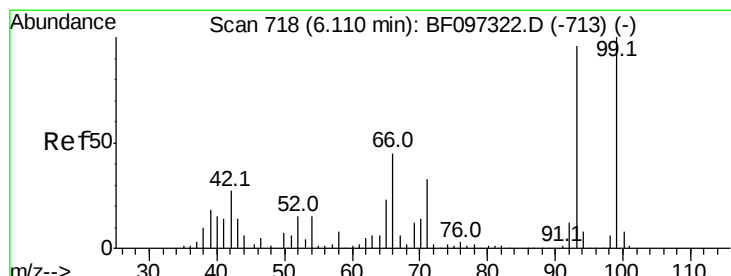
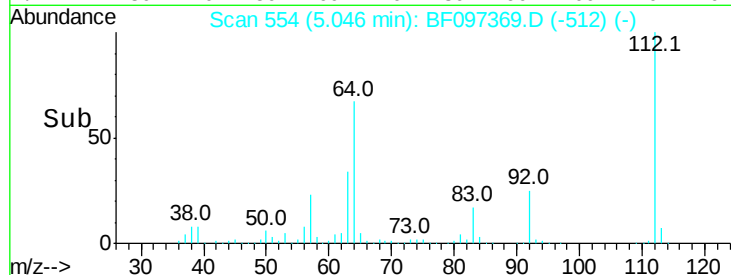
5.05

400000

200000

0

Time-->



#6

Aniline

Concen: 24.288 ng

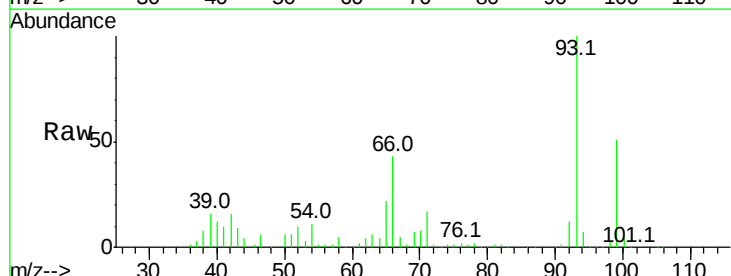
RT: 6.10 min Scan# 734

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	275345		
66	43.3	32.9	49.3	
65	22.0	16.0	24.0	



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

6.10

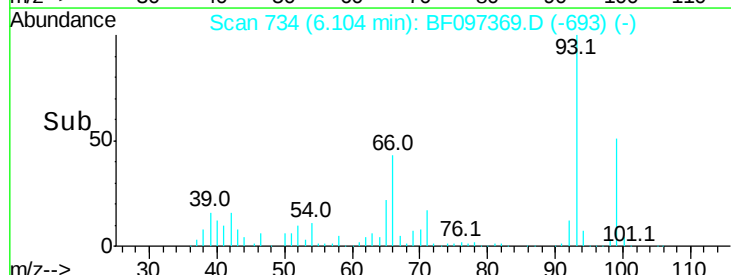
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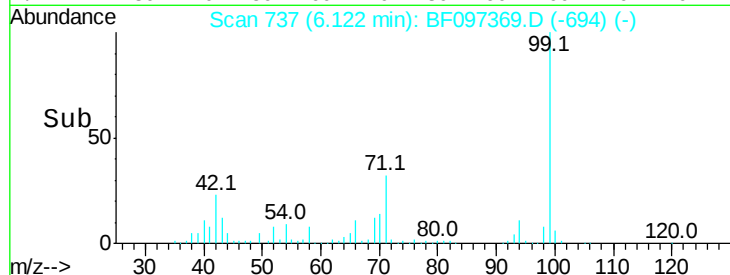
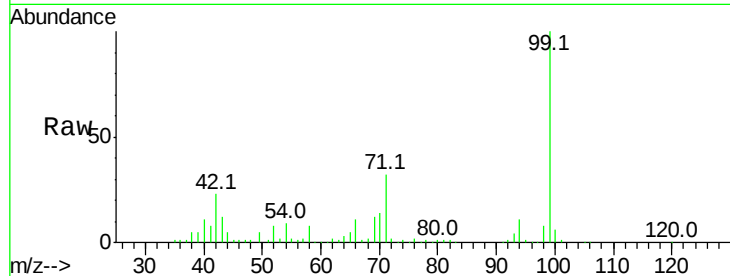
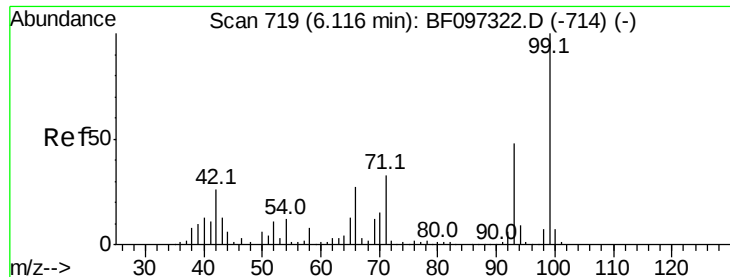
200000

100000

0

Time-->





#7

Phenol-d6

Concen: 97.650 ng

RT: 6.12 min Scan# 737

Delta R.T. -0.05 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		879705		
42	22.9	13.5	20.3#		
71	31.5	24.5	36.7		

Instrument :

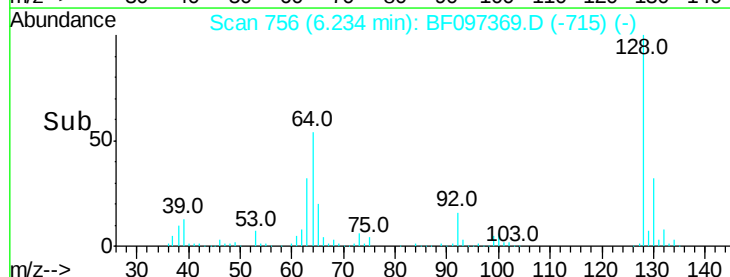
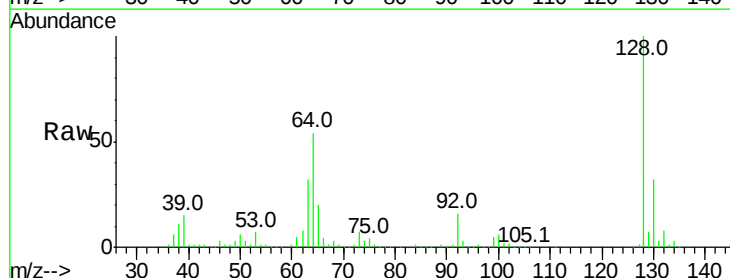
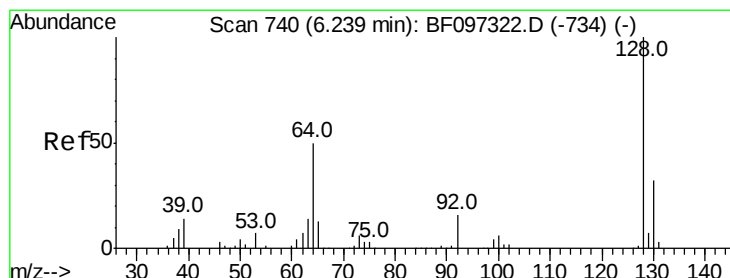
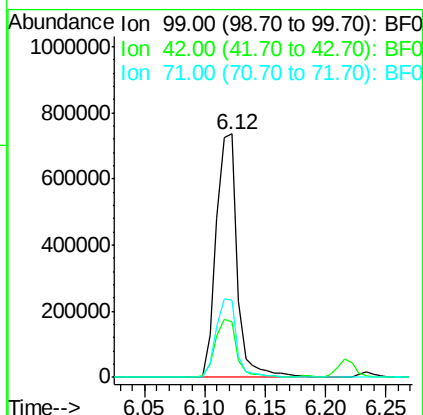
BNA_F

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#8

2-Chlorophenol

Concen: 31.166 ng

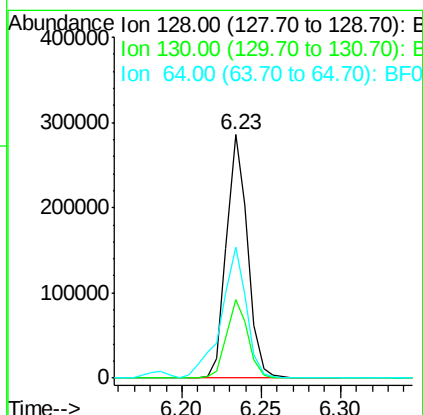
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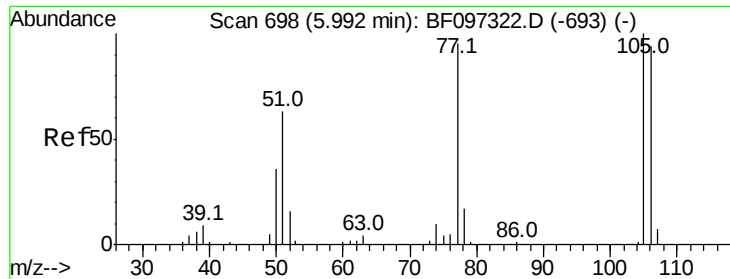
Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		262980		
130	32.2	12.9	52.9		
64	53.9	28.4	68.4		





#9

Benzaldehyde

Concen: 27.480 ng

RT: 5.98 min Scan# 713

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMSD

Tot Ion: 77 Resp: 146535

Ion Ratio Lower Upper

77 100

105 98.4 83.8 123.8

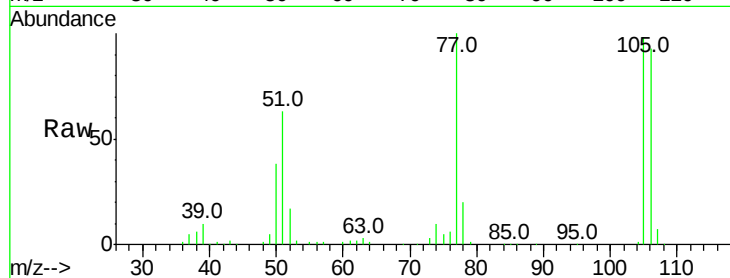
106 92.8 79.1 119.1

Manual Integrations

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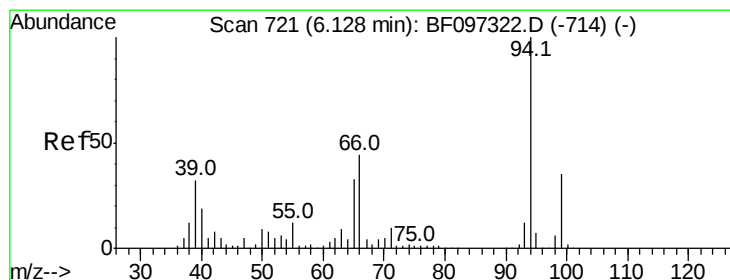
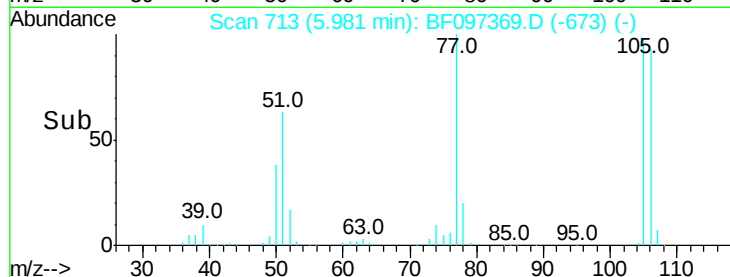
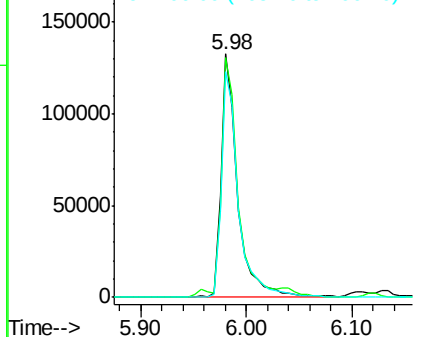
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Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 36.771 ng

RT: 6.13 min Scan# 739

Delta R.T. -0.05 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

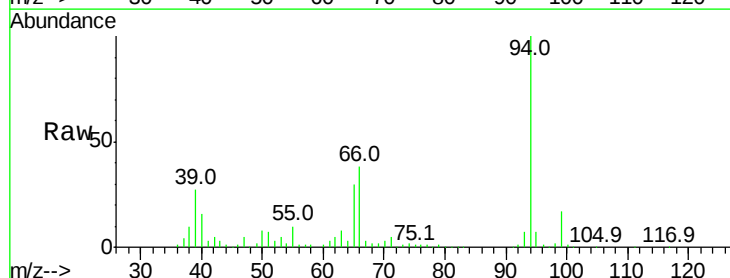
Tgt Ion: 94 Resp: 392925

Ion Ratio Lower Upper

94 100

65 29.7 9.9 49.9

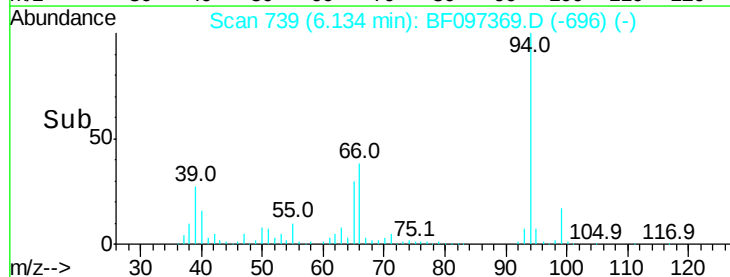
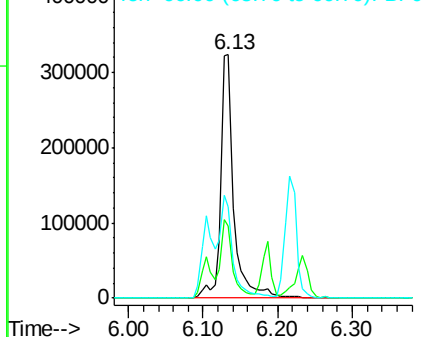
66 37.5 23.1 63.1

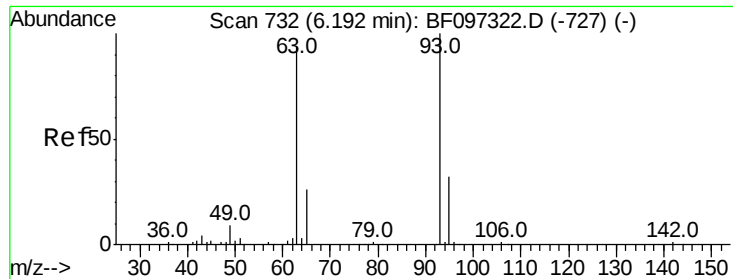


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 27.977 ng

RT: 6.19 min Scan# 748

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

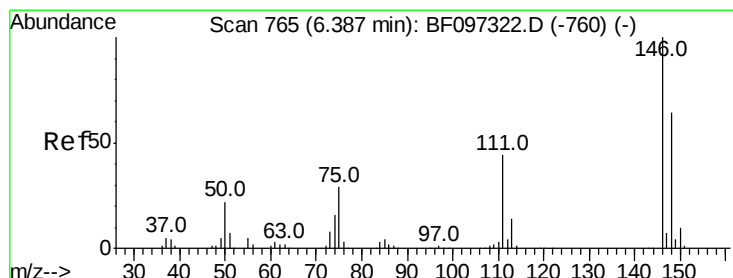
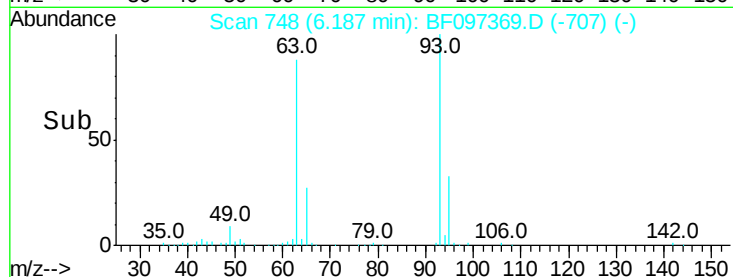
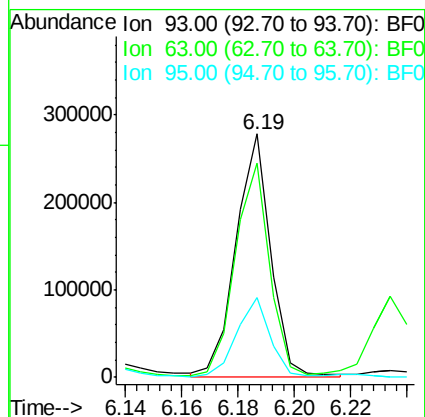
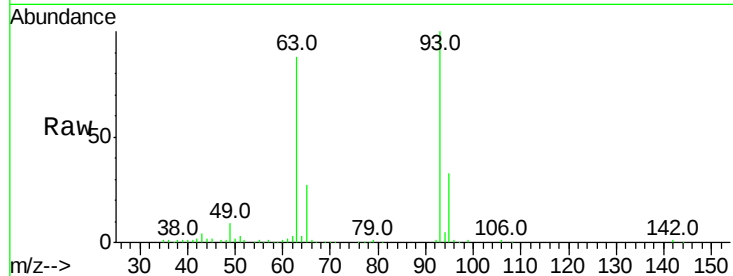
ClientSampleId :

GRAVEL-PILEMSD

Tot Ion:	93	Resp:	236448
Ion Ratio	Lower	Upper	
93	100		
63	88.2	59.2	99.2
95	32.7	12.8	52.8

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 29.031 ng

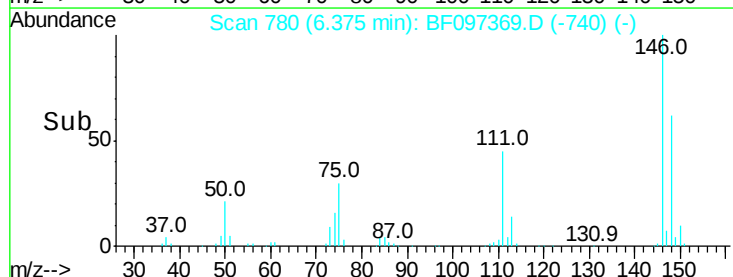
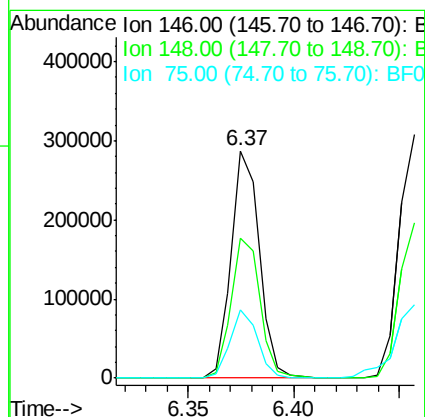
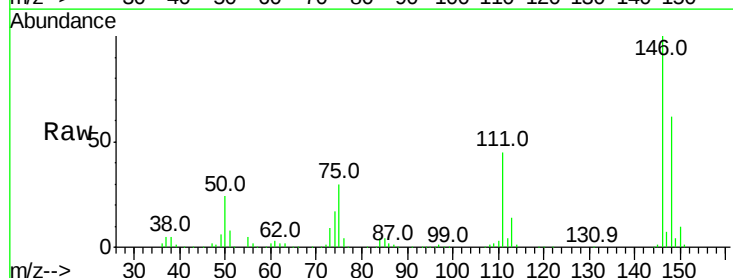
RT: 6.37 min Scan# 780

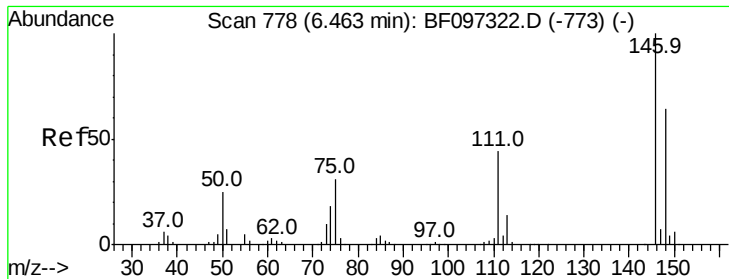
Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Tgt Ion:	146	Resp:	263991
Ion Ratio	Lower	Upper	
146	100		
148	61.7	51.8	77.6
75	30.1	23.1	34.7





#13

1,4-Dichlorobenzene

Concen: 30.576 ng

RT: 6.46 min Scan# 794

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

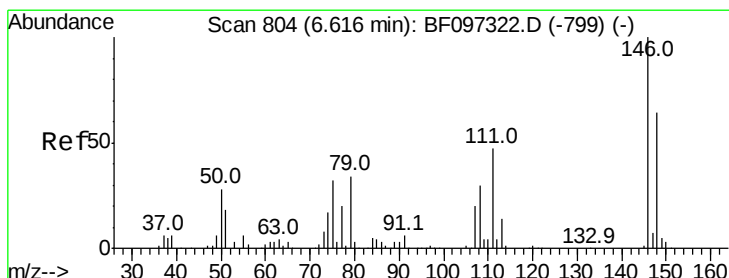
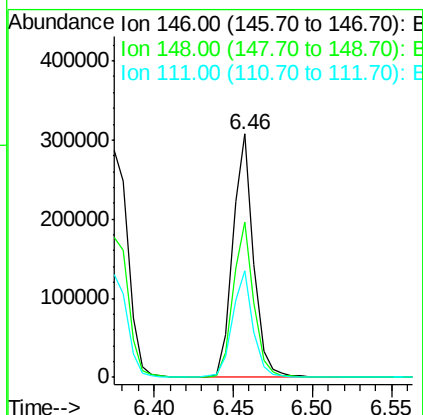
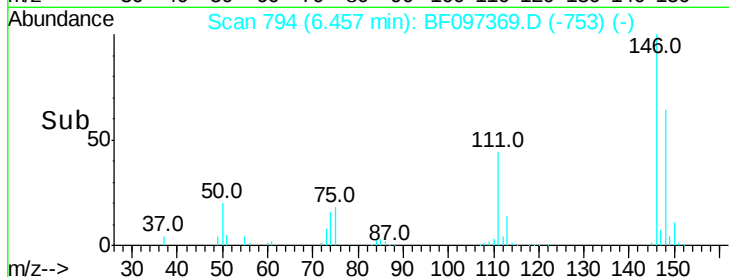
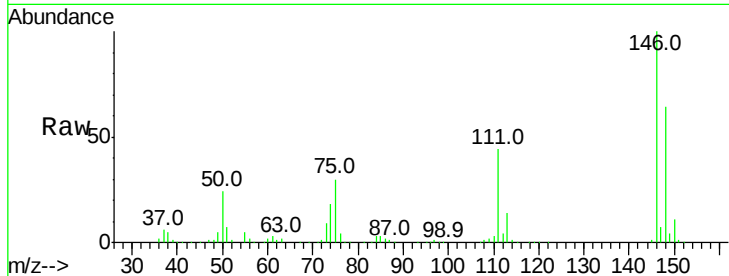
ClientSampleId :

GRAVEL-PILEMSD

Tot Ion:	146	Resp:	275540
Ion Ratio	Lower	Upper	
146	100		
148	63.6	52.2	78.2
111	43.6	30.3	45.5

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 30.329 ng

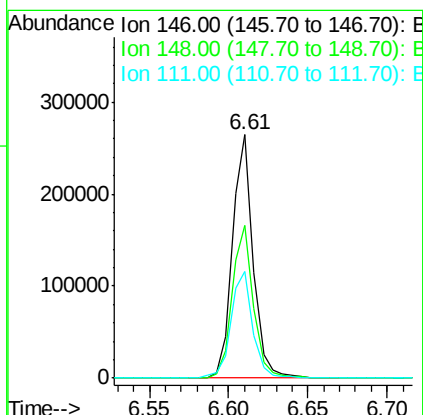
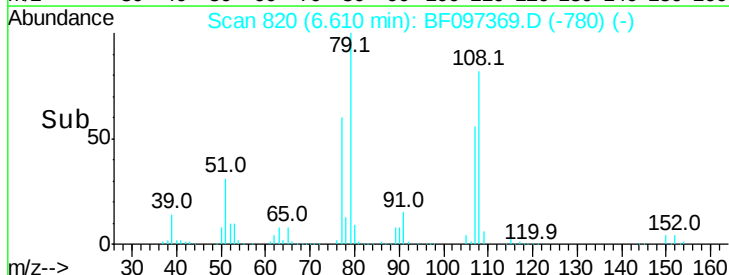
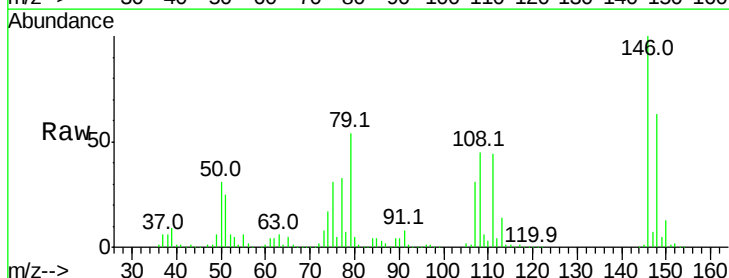
RT: 6.61 min Scan# 820

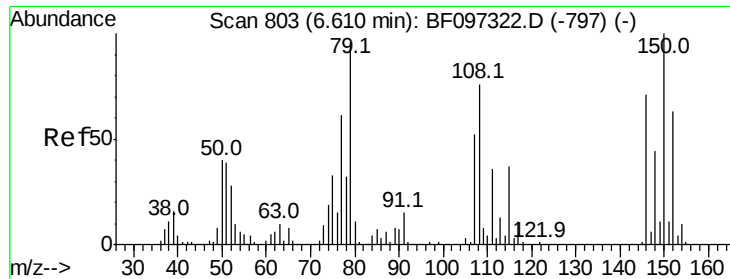
Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Tgt Ion:	146	Resp:	238641
Ion Ratio	Lower	Upper	
146	100		
148	62.5	50.4	75.6
111	43.9	38.2	57.4





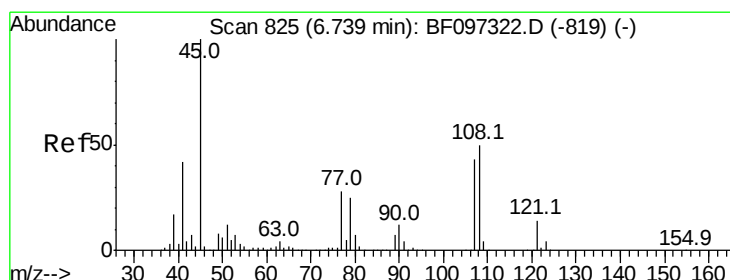
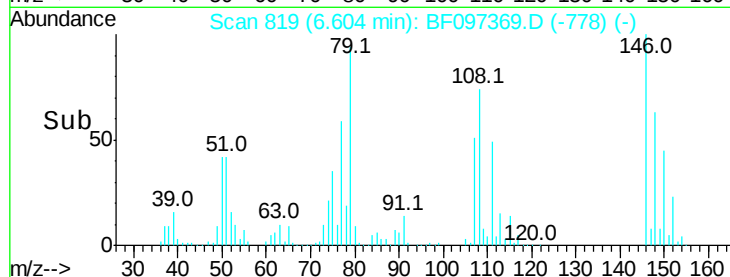
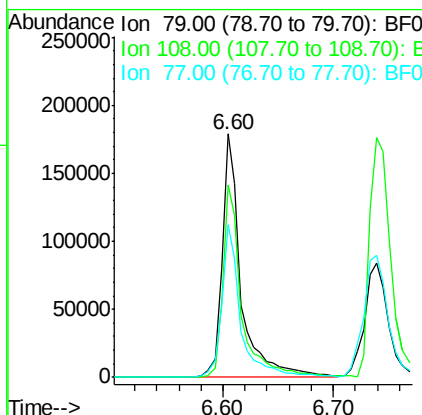
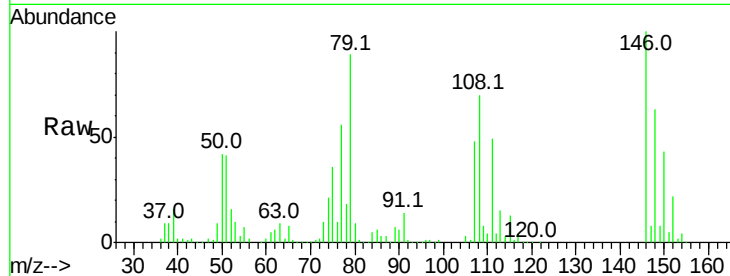
#15
Benzyl Alcohol
Concen: 37.686 ng
RT: 6.60 min Scan# 819
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	78.8	63.4	95.0
77	62.6	49.2	73.8

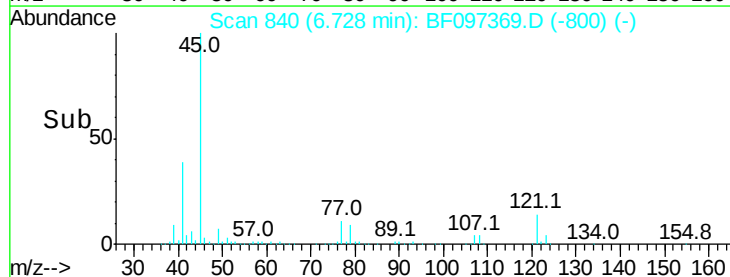
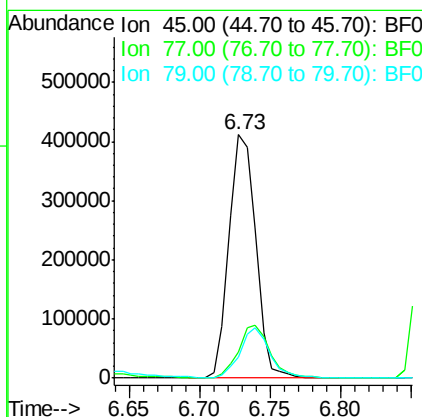
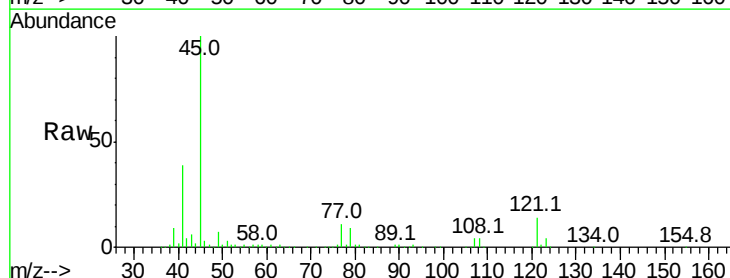
Manual Integrations
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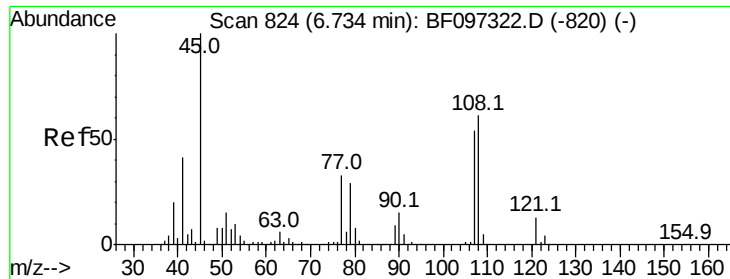
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#16
2,2'-oxybis(1-chloropropane)
Concen: 32.241 ng
RT: 6.73 min Scan# 840
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Lower	Upper
45	100		
77	10.6	0.0	33.2
79	8.6	0.0	30.0





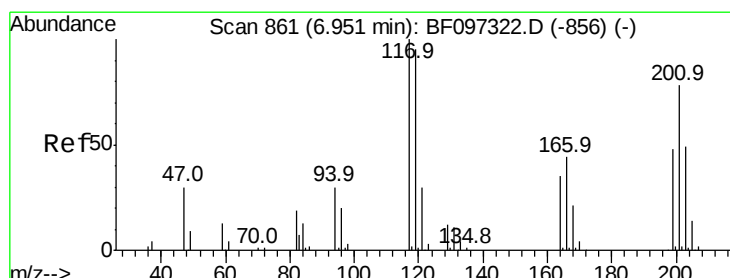
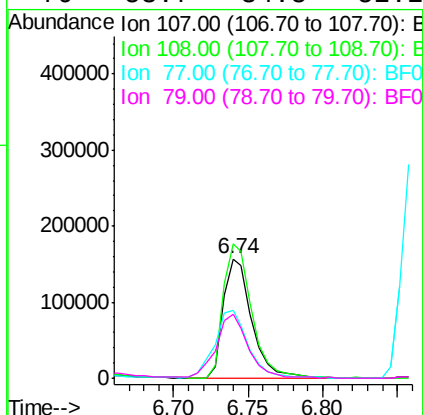
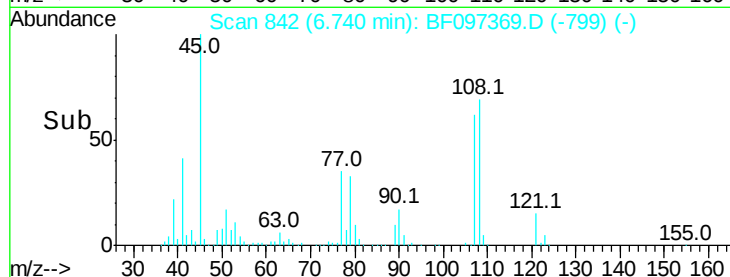
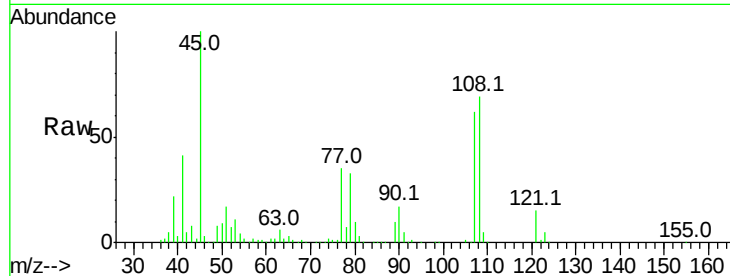
#17
2-Methylphenol
Concen: 32.134 ng
RT: 6.74 min Scan# 842
Delta R.T. -0.05 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	209265		
108	112.5	93.4	140.0	
77	57.2	35.8	53.6#	
79	53.7	34.8	52.2#	

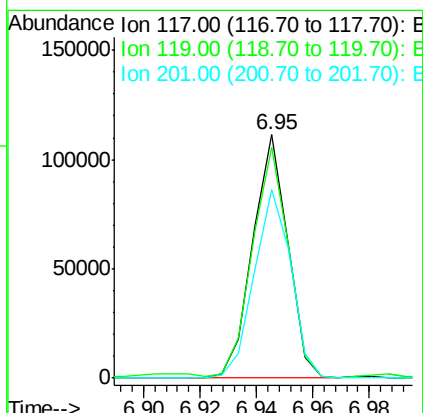
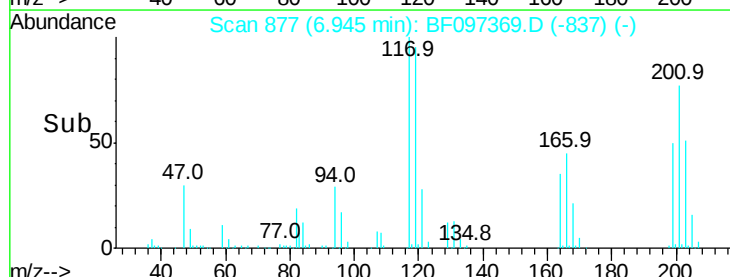
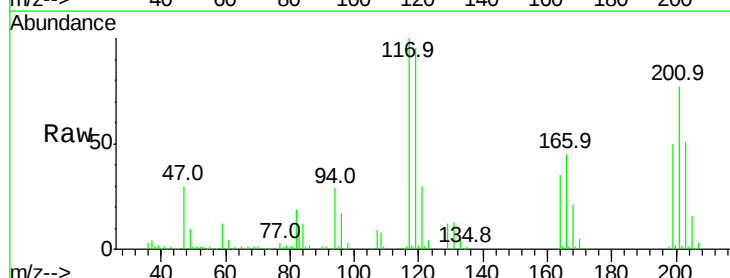
Manual Integrations
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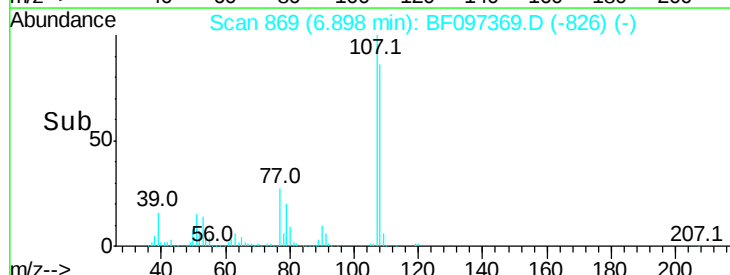
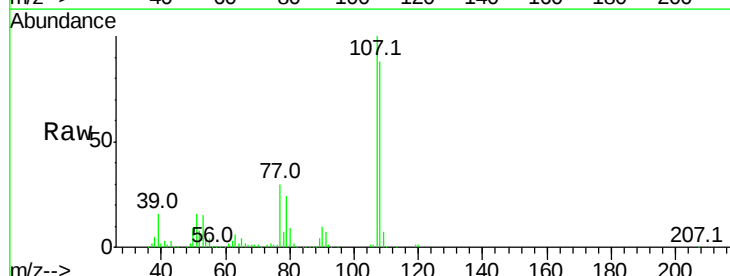
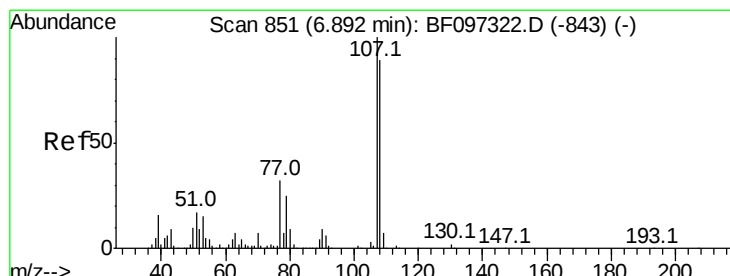
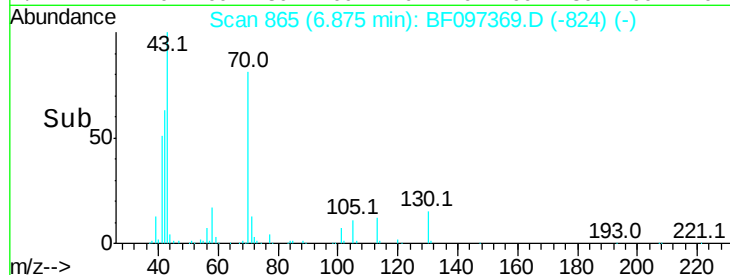
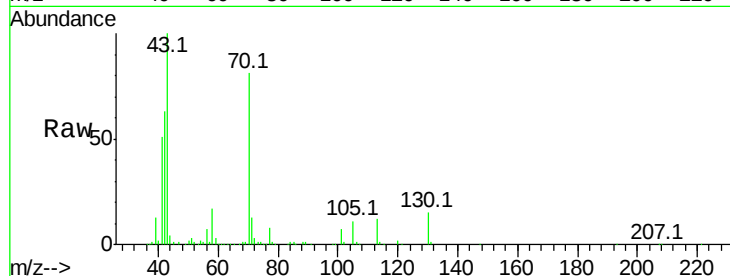
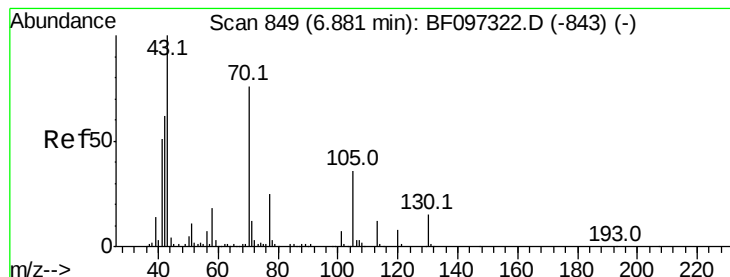
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#18
Hexachloroethane
Concen: 29.203 ng
RT: 6.95 min Scan# 877
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	96276		
119	94.9	77.4	116.0	
201	77.4	94.6	141.8#	





#19

n-Nitroso-di-n-propylamine

Concen: 37.349 ng

RT: 6.87 min Scan# 865

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Tot Ion: 70 Resp: 221473

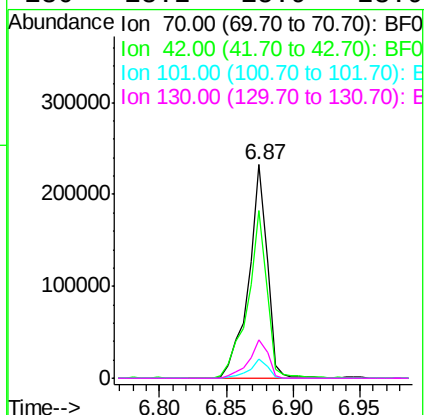
Ion Ratio Lower Upper

70 100

42 78.2 47.2 70.8#

101 8.9 7.2 10.8

130 18.2 15.9 23.9



Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMSD

Manual Integrations
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8/7/2017 6:10:02 PM

#20

3+4-Methylphenols

Concen: 38.035 ng

RT: 6.90 min Scan# 869

Delta R.T. -0.05 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Tgt Ion:107 Resp: 323510

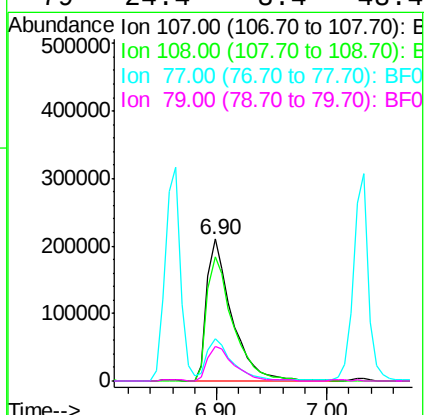
Ion Ratio Lower Upper

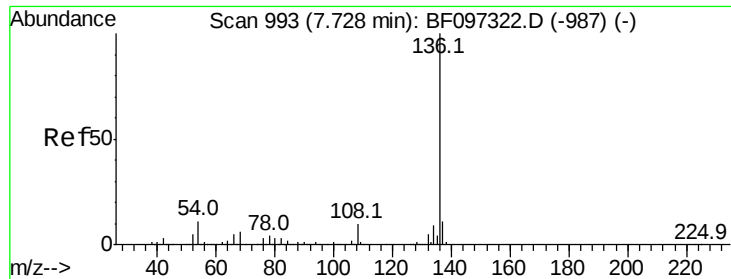
107 100

108 88.0 71.0 111.0

77 30.0 90.5 130.5#

79 24.4 8.4 48.4





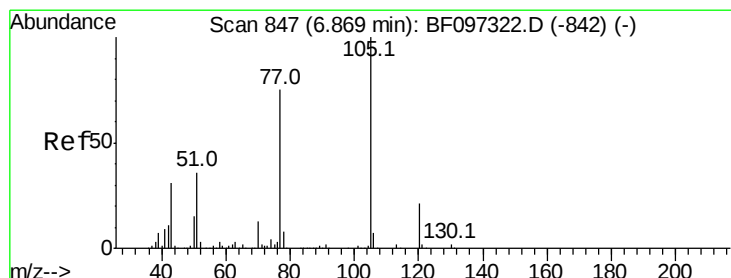
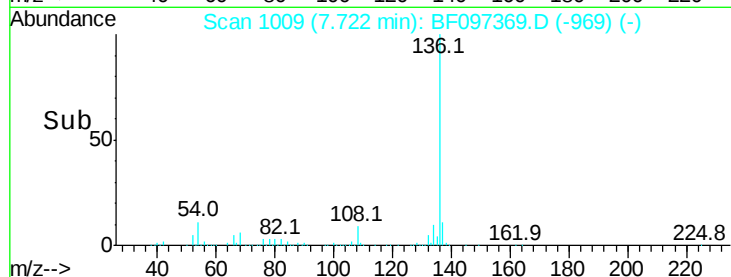
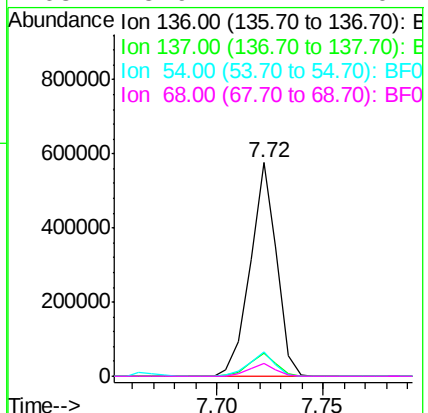
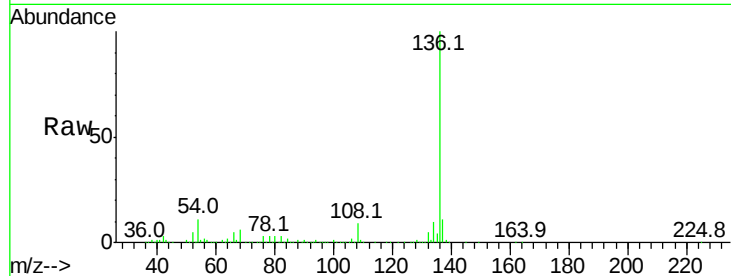
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.72 min Scan# 1009
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.5	12.7	
54	11.1	4.9	7.3#	
68	5.9	4.1	6.1	

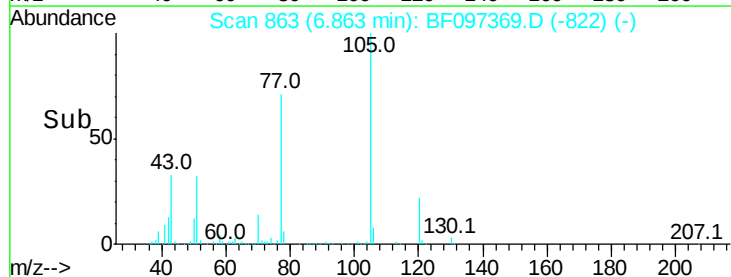
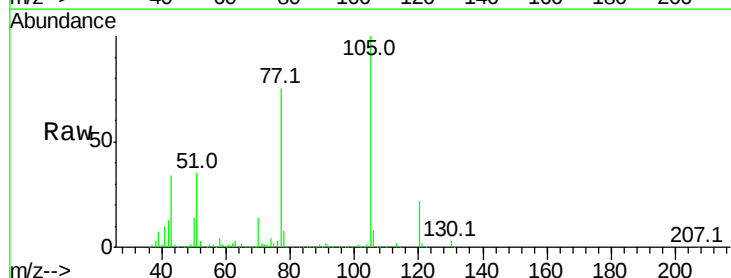
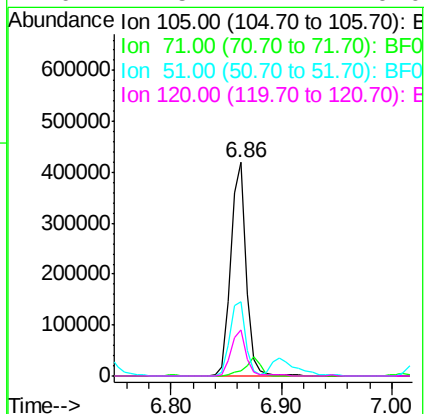
Manual Integrations
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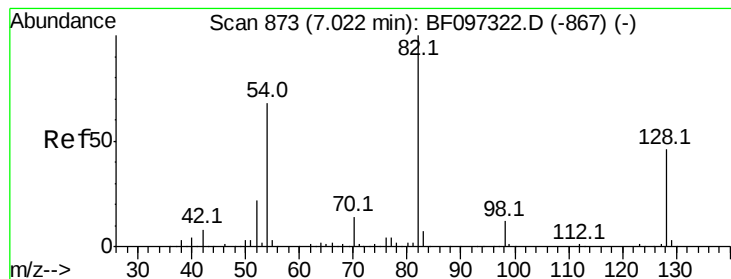
Sohil
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#22
Acetophenone
Concen: 34.385 ng
RT: 6.86 min Scan# 863
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	2.4	2.8	4.2#	
51	34.6	30.7	46.1	
120	21.5	17.4	26.0	





#23

Nitrobenzene-d5

Concen: 61.331 ng

RT: 7.02 min Scan# 889

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMSD

Tot Ion: 82 Resp: 523482

Ion Ratio Lower Upper

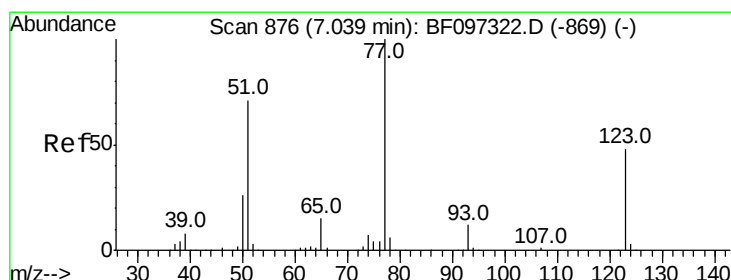
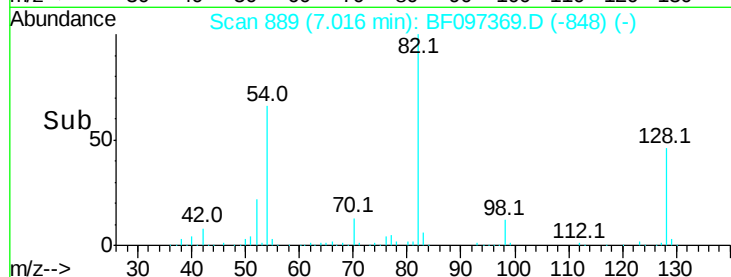
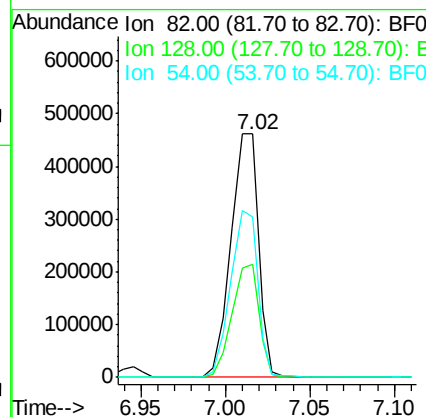
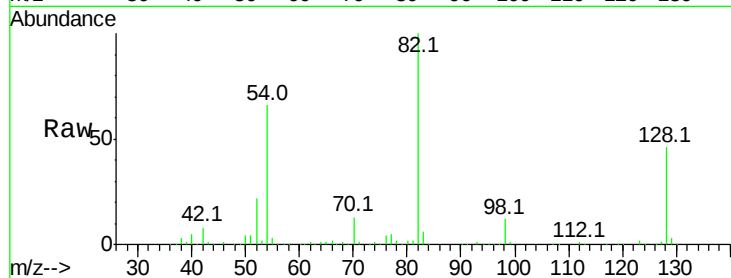
82 100

128 46.5 34.0 51.0

54 65.7 42.2 63.2#

Manual Integrations
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#24

Nitrobenzene

Concen: 33.090 ng

RT: 7.03 min Scan# 892

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

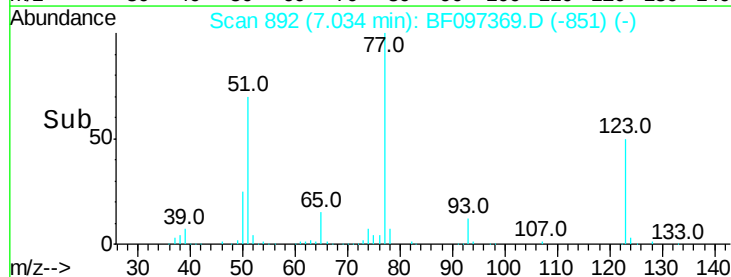
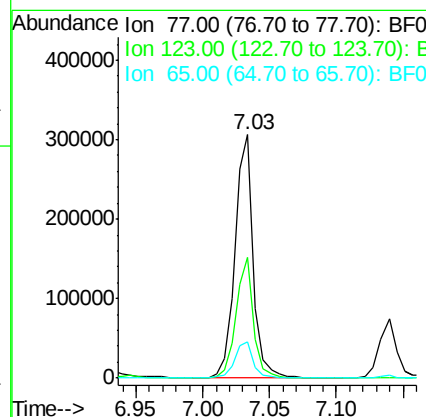
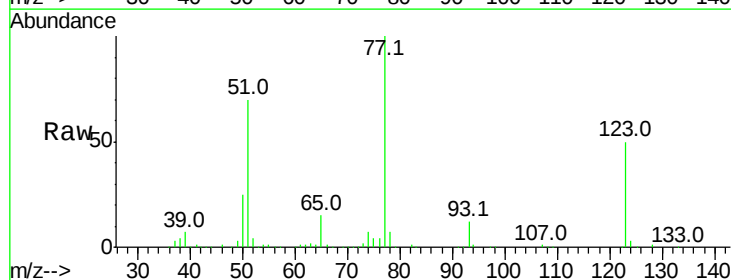
Tgt Ion: 77 Resp: 294155

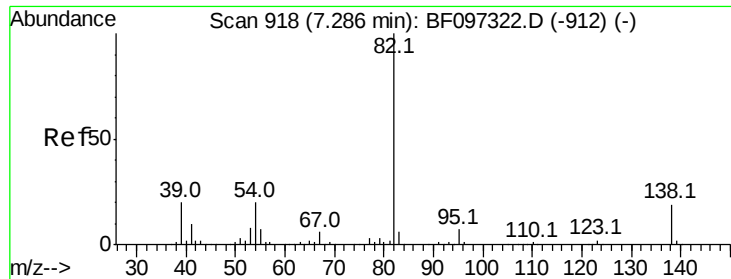
Ion Ratio Lower Upper

77 100

123 49.7 35.8 53.8

65 14.7 10.6 15.8





#25

Isophorone

Concen: 29.482 ng

RT: 7.27 min Scan# 933

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

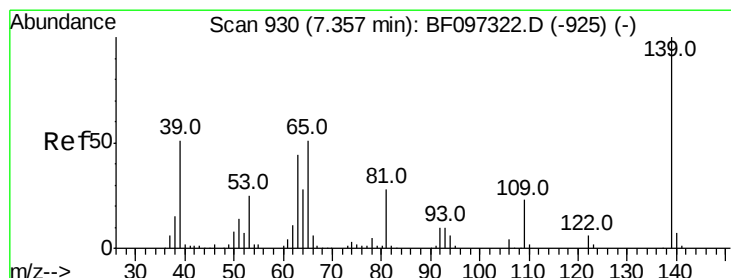
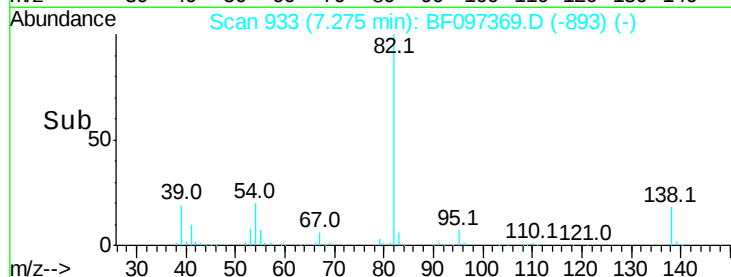
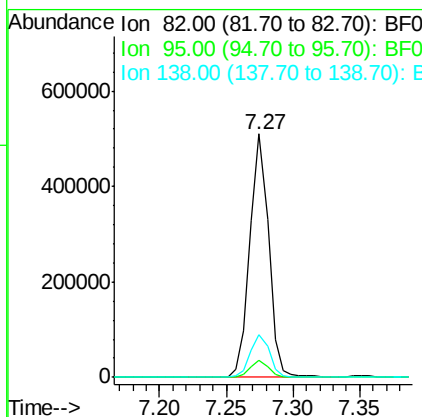
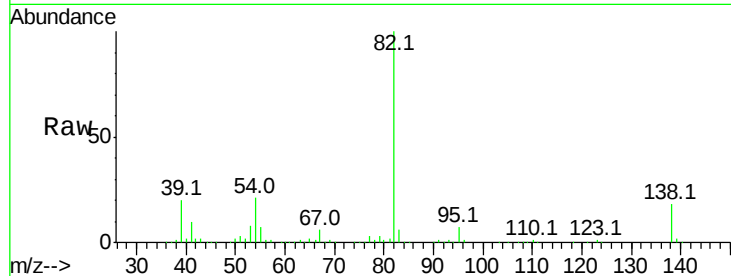
ClientSampleId :

GRAVEL-PILEMSD

Tot Ion	82	Resp	492816
Ion Ratio	Lower	Upper	
82	100		
95	6.9	5.3	7.9
138	17.5	13.1	19.7

Manual Integrations
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8/7/2017 6:10:02 PM



#26

2-Nitrophenol

Concen: 24.766 ng

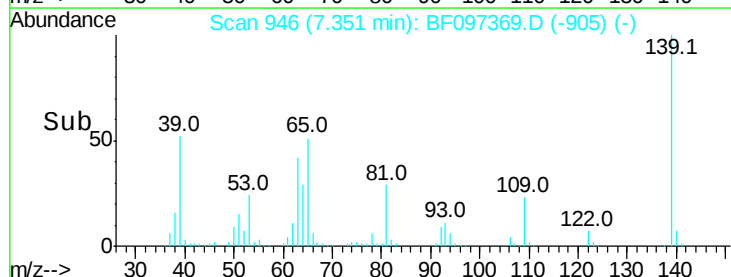
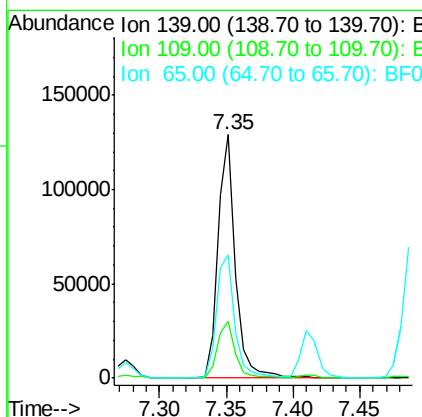
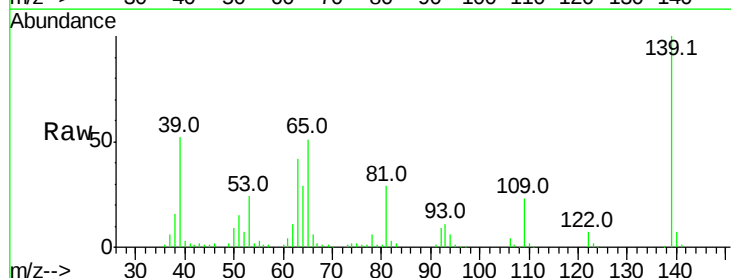
RT: 7.35 min Scan# 946

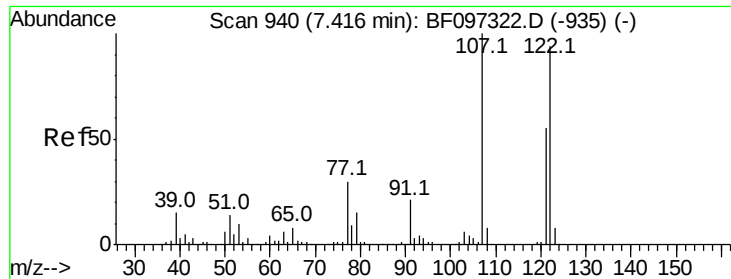
Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Tgt Ion	139	Resp	119107
Ion Ratio	Lower	Upper	
139	100		
109	23.4	21.0	31.6
65	50.8	33.0	49.6#





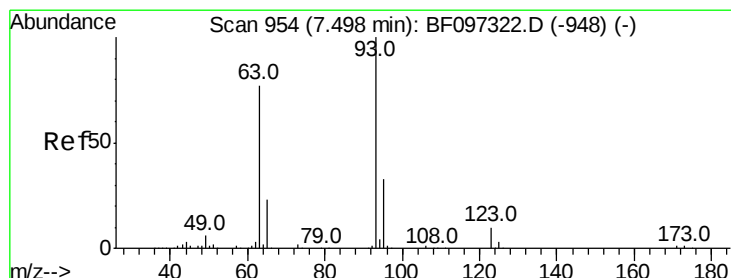
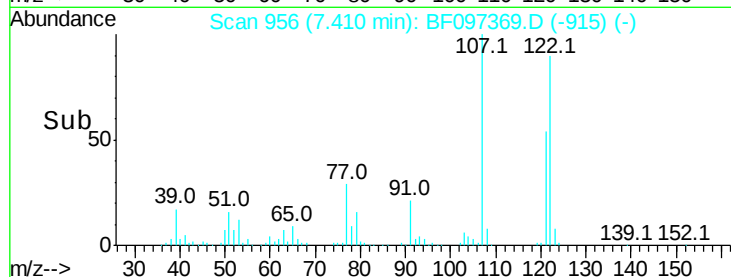
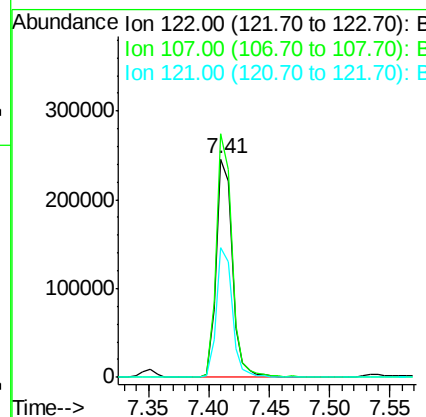
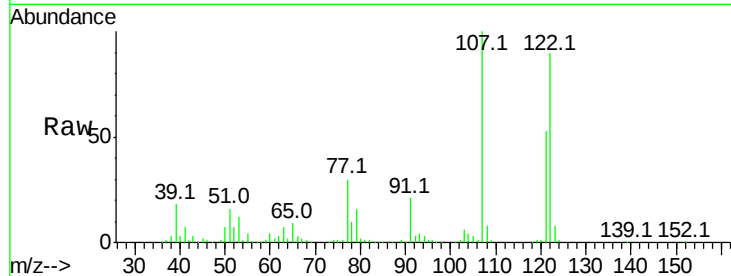
#27
 2,4-Dimethylphenol
 Concen: 28.463 ng
 RT: 7.41 min Scan# 956
 Delta R.T. -0.06 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	225810		
107	111.4	89.2	133.8	
121	59.6	45.2	67.8	

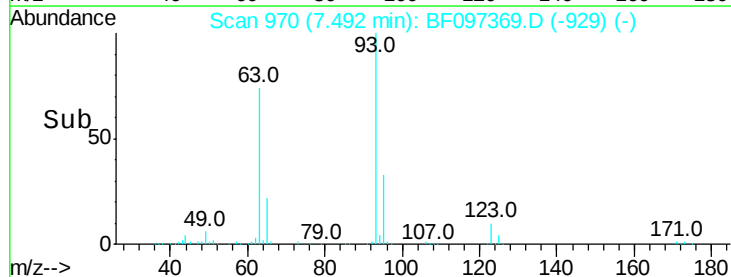
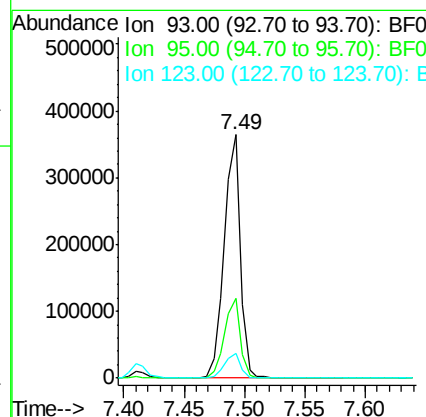
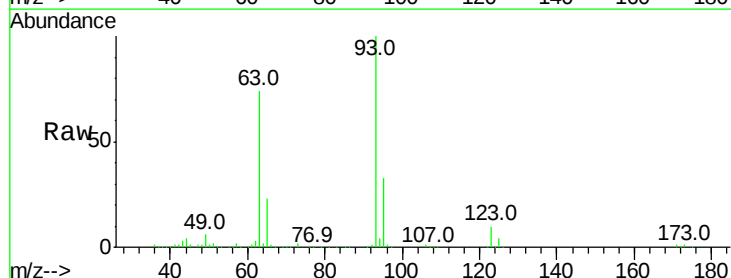
Manual Integrations
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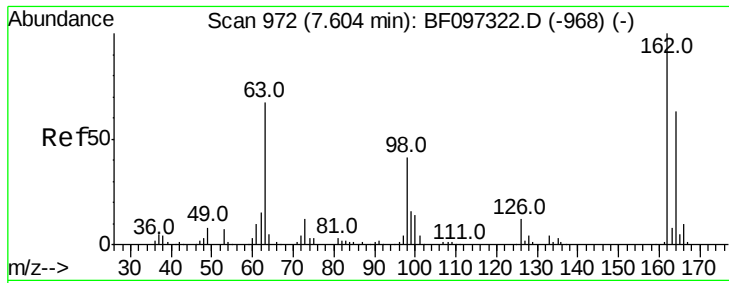
Sohil
 8/7/2017 6:10:02 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 30.618 ng
 RT: 7.49 min Scan# 970
 Delta R.T. -0.06 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	333993		
95	32.9	26.5	39.7	
123	10.2	9.0	13.4	





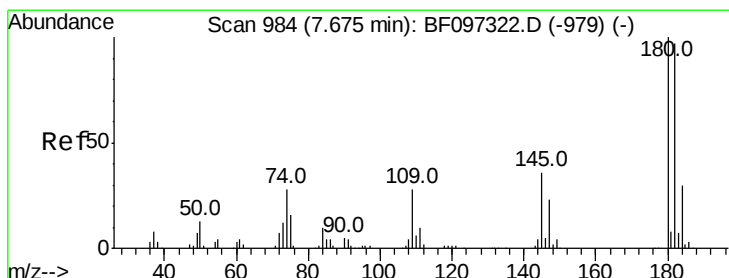
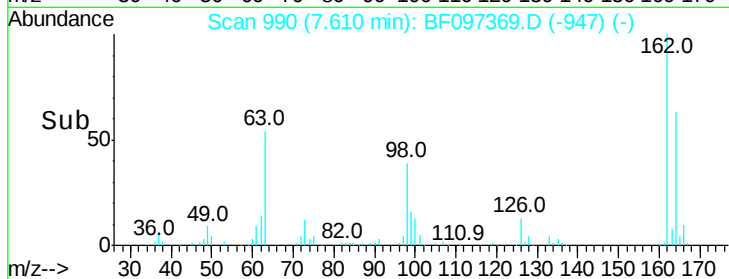
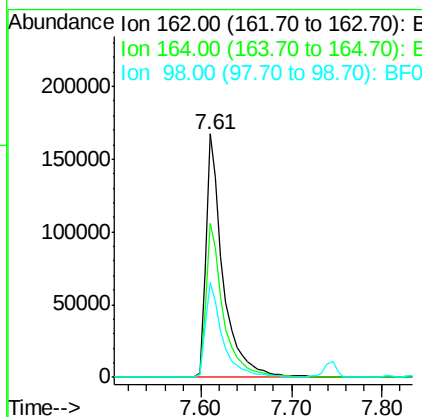
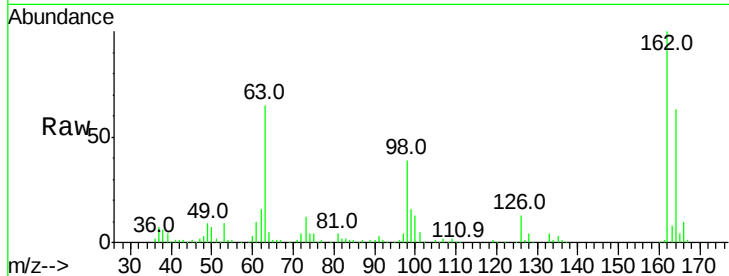
#29
 2,4-Dichlorophenol
 Concen: 32.283 ng
 RT: 7.61 min Scan# 990
 Delta R.T. -0.05 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

Tot Ion:	162	Resp:	220641
Ion Ratio	Lower	Upper	
162	100		
164	63.1	44.6	84.6
98	38.9	14.8	54.8

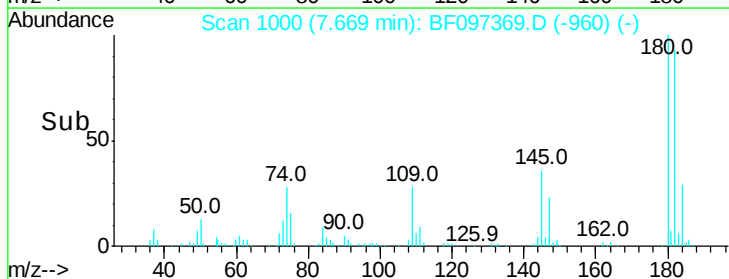
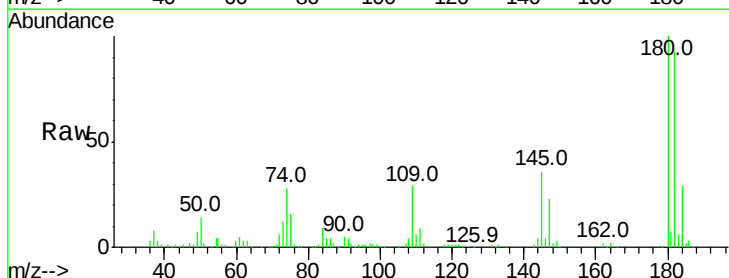
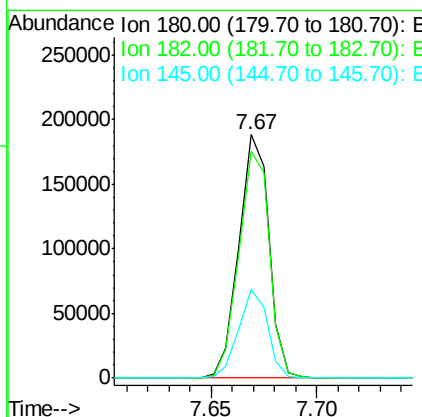
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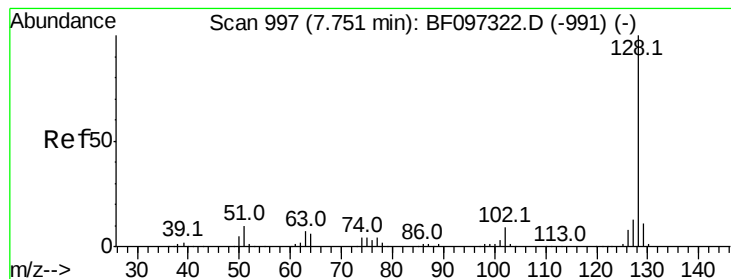
Sohil
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#30
 1,2,4-Trichlorobenzene
 Concen: 28.471 ng
 RT: 7.67 min Scan# 1000
 Delta R.T. -0.06 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Tgt Ion:	180	Resp:	185477
Ion Ratio	Lower	Upper	
180	100		
182	93.4	75.8	113.6
145	36.2	25.3	37.9





#31

Naphthalene

Concen: 31.857 ng

RT: 7.75 min Scan# 1013

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

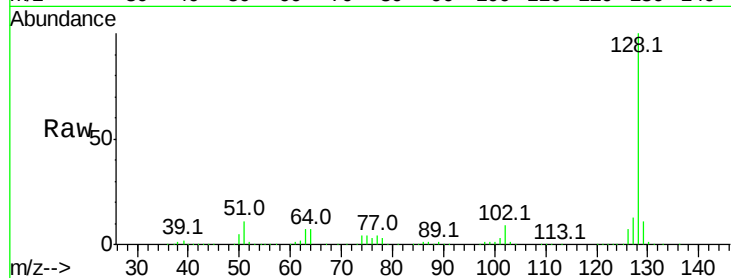
ClientSampleId :

GRAVEL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	751935		
129	11.3		9.0	13.6
127	13.4		10.8	16.2

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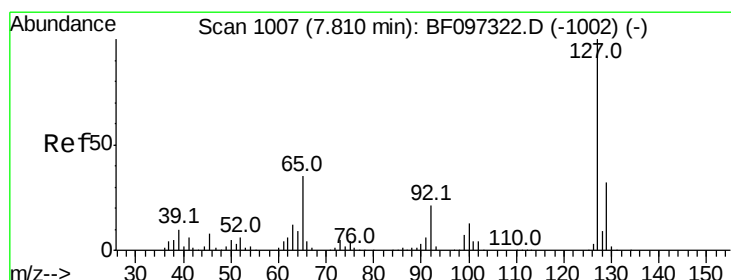
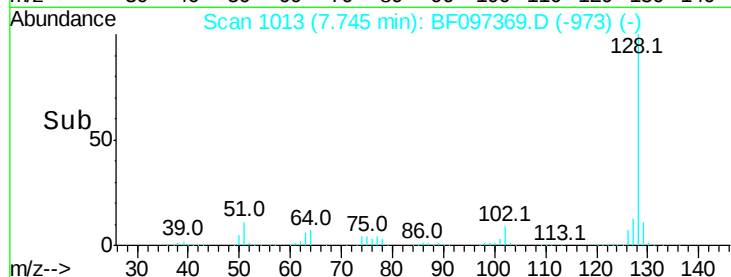
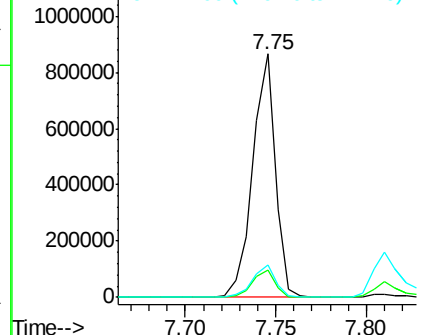


Abundance

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



#33

4-Chloroaniline

Concen: 20.974 ng

RT: 7.81 min Scan# 1024

Delta R.T. -0.05 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	201439		
129	33.3		26.2	39.2
65	33.1		27.8	41.8
92	19.1		16.8	25.2

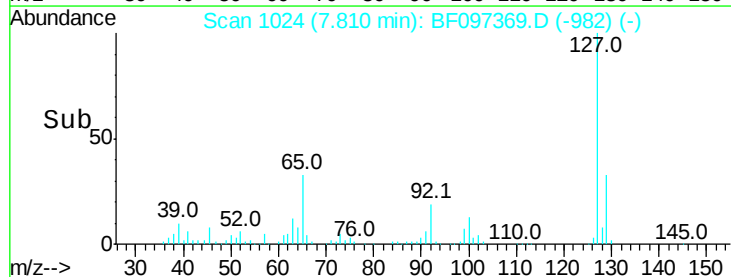
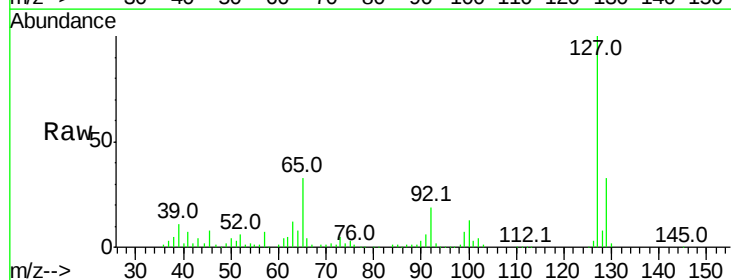
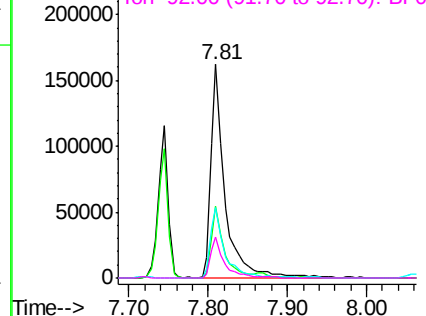
Abundance

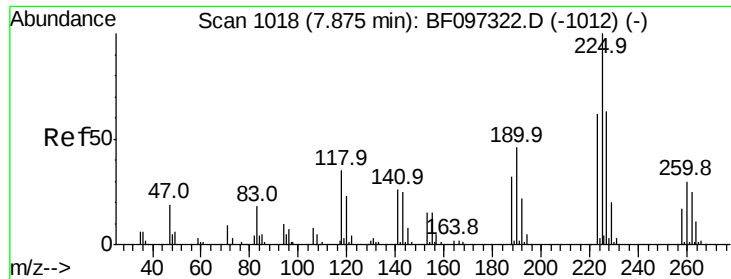
Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





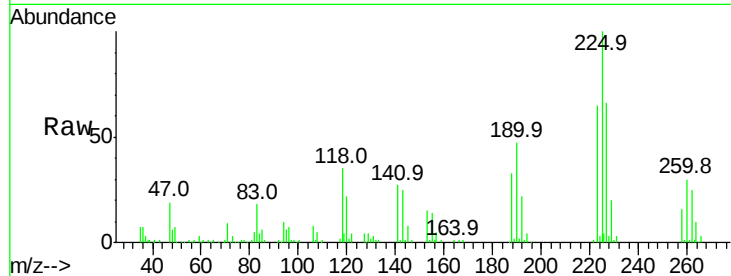
#34
 Hexachlorobutadiene
 Concen: 27.850 ng
 RT: 7.87 min Scan# 1034
 Delta R.T. -0.06 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

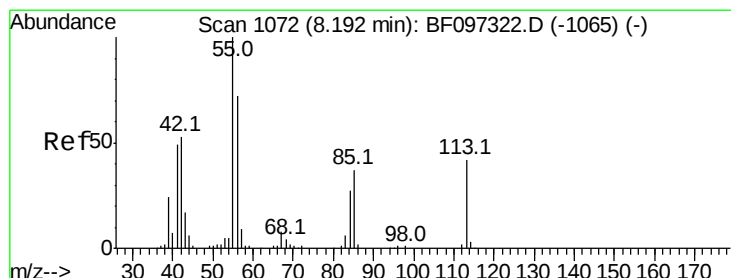
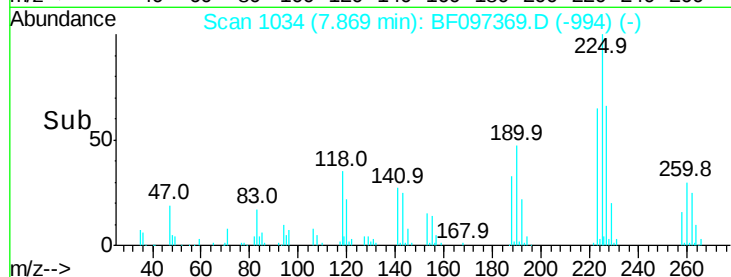
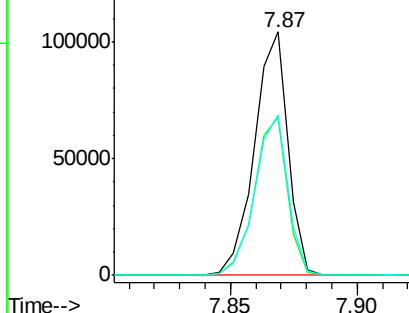
Tot Ion:	225	Resp:	96183
Ion Ratio	Lower	Upper	
225	100		
223	64.8	48.8	73.2
227	65.7	51.1	76.7

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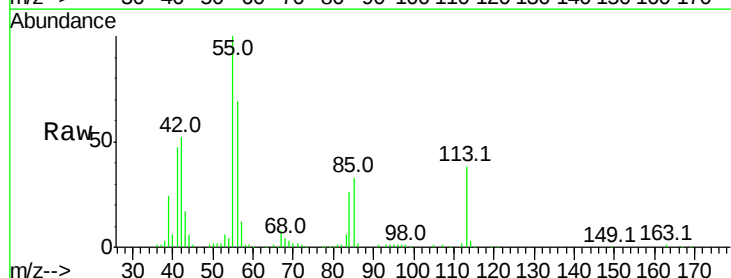


Abundance Ion 225.00 (224.70 to 225.70): E
 Ion 223.00 (222.70 to 223.70): E
 Ion 227.00 (226.70 to 227.70): E

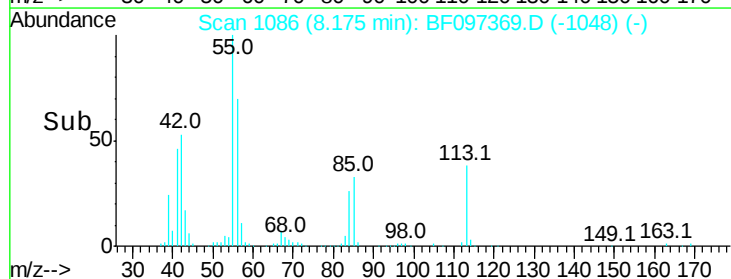
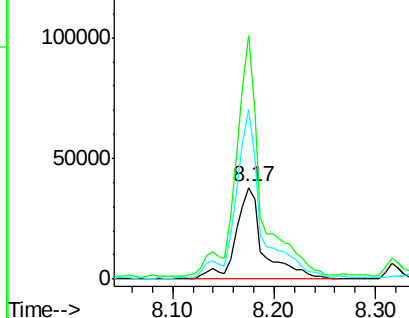


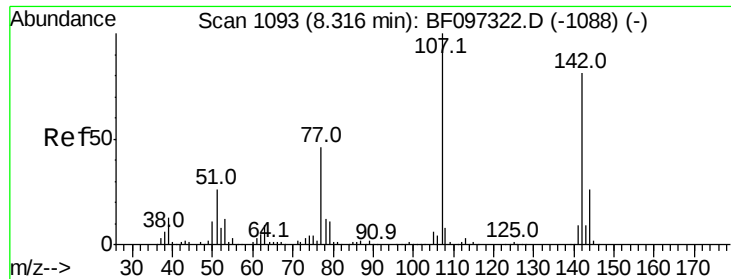
#35
 Caprolactam
 Concen: 32.758 ng
 RT: 8.17 min Scan# 1086
 Delta R.T. -0.08 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Tgt Ion:	113	Resp:	71791
Ion Ratio	Lower	Upper	
113	100		
55	266.4	150.2	190.2#
56	185.0	107.8	147.8#



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





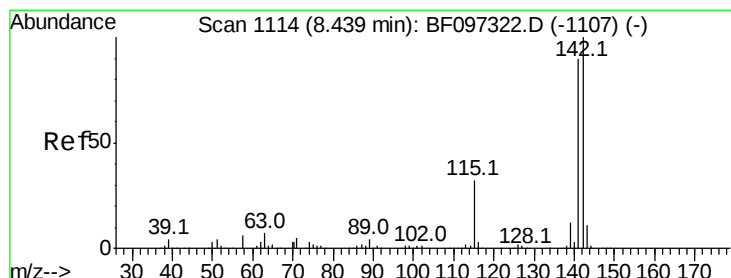
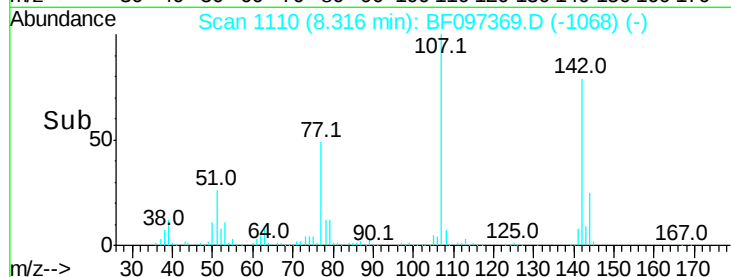
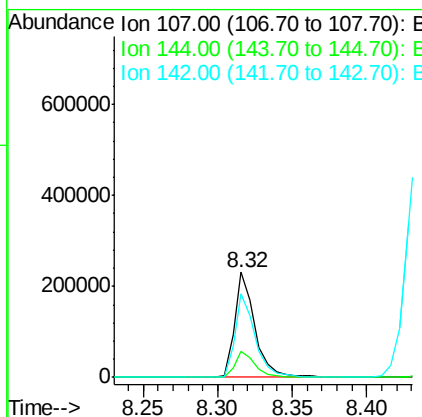
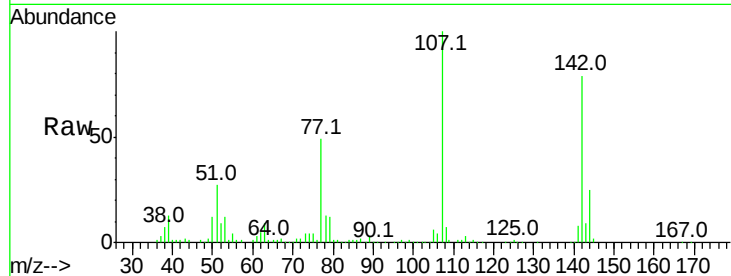
#36
 4-Chloro-3-methylphenol
 Concen: 29.656 ng
 RT: 8.32 min Scan# 1110
 Delta R.T. -0.05 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	221123		
144	25.2	24.2	36.4	
142	79.0	73.4	110.0	

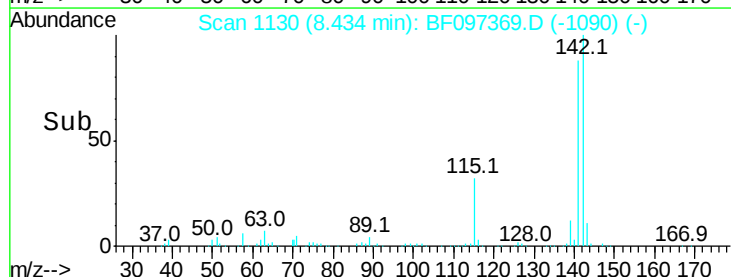
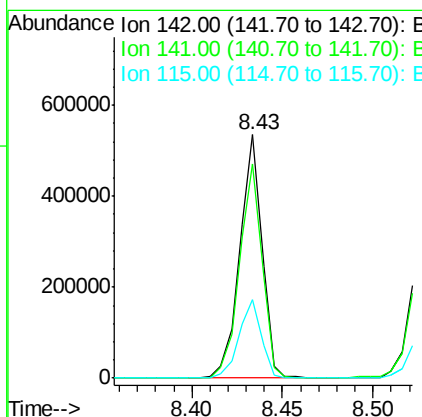
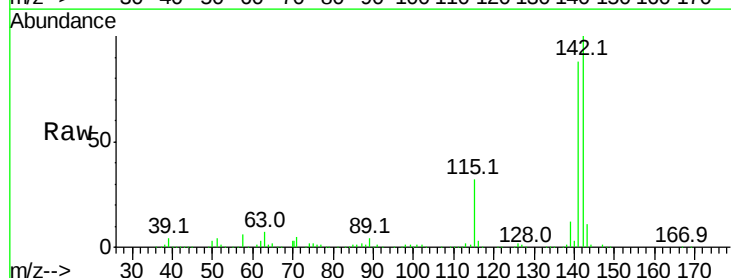
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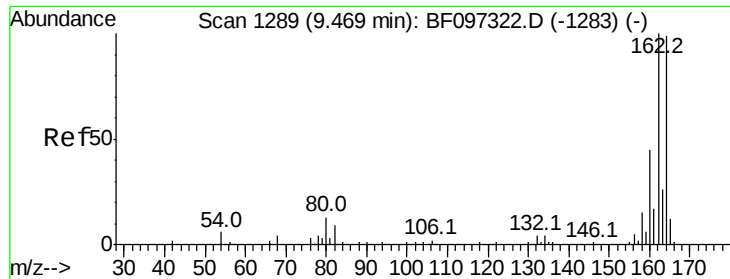
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#37
 2-Methylnaphthalene
 Concen: 30.524 ng
 RT: 8.43 min Scan# 1130
 Delta R.T. -0.06 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	456168		
141	88.2	71.3	106.9	
115	32.1	27.1	40.7	





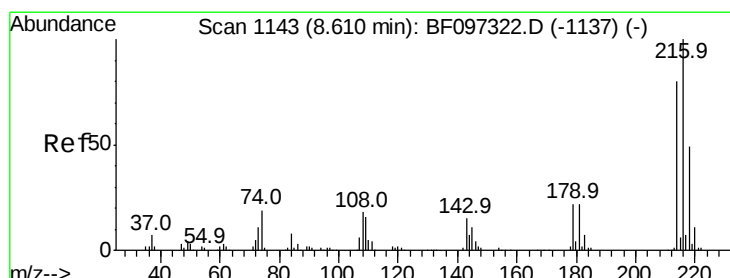
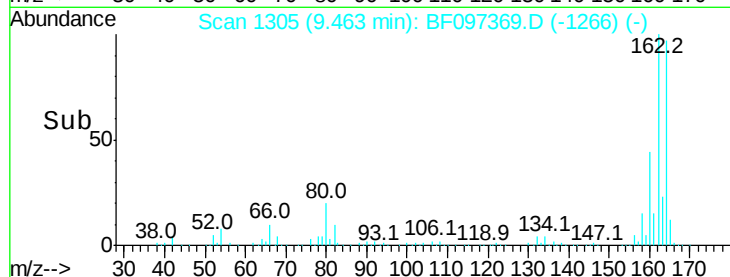
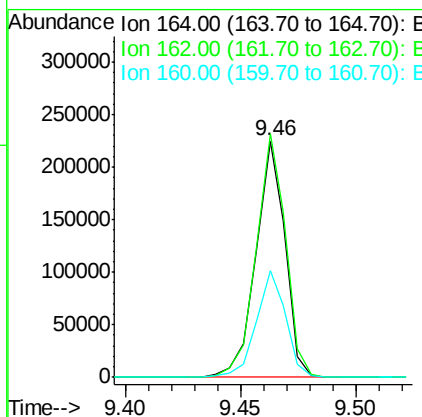
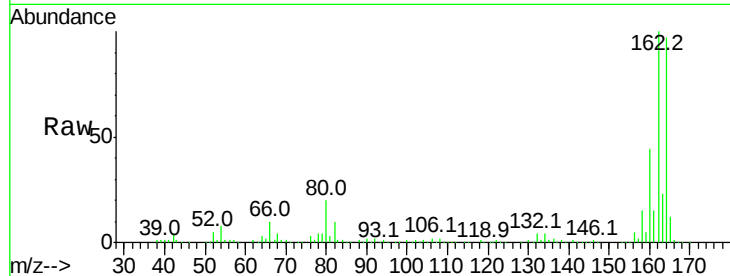
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.46 min Scan# 1305
 Delta R.T. -0.07 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.6	123.8
160	45.1	36.2	54.2

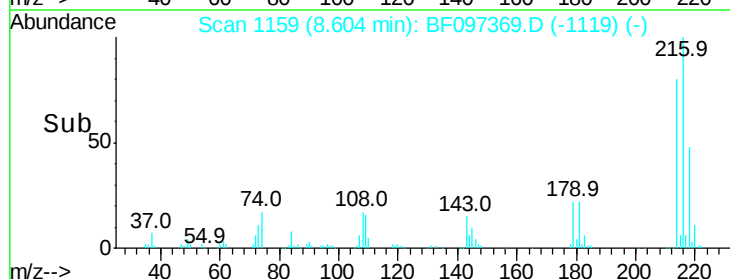
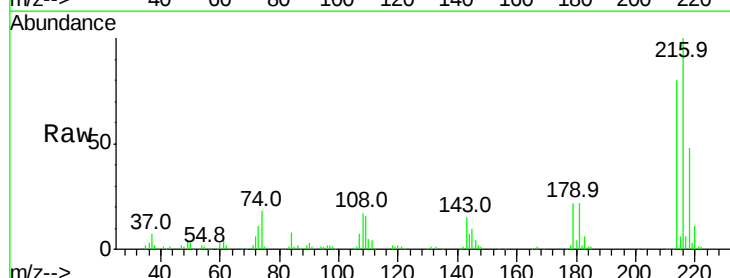
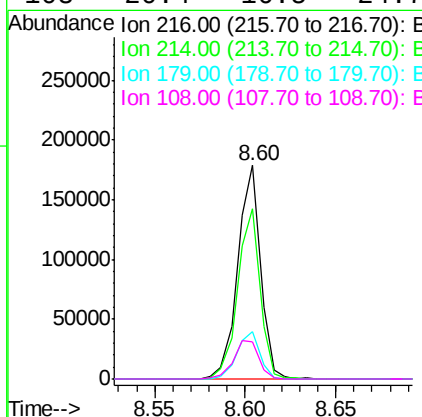
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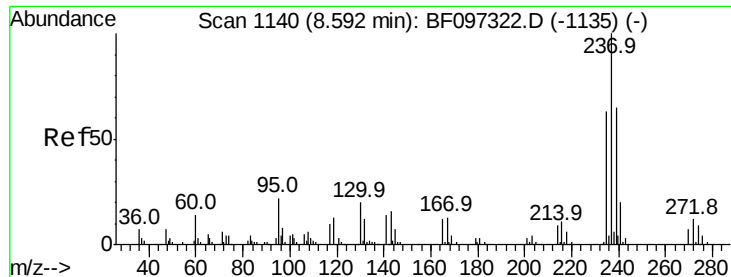
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#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 29.716 ng
 RT: 8.60 min Scan# 1159
 Delta R.T. -0.06 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.4	95.2
179	22.6	17.9	26.9
108	20.4	16.5	24.7





#40

Hexachlorocyclopentadiene

Concen: 13.312 ng

RT: 8.59 min Scan# 1156

Delta R.T. -0.07 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

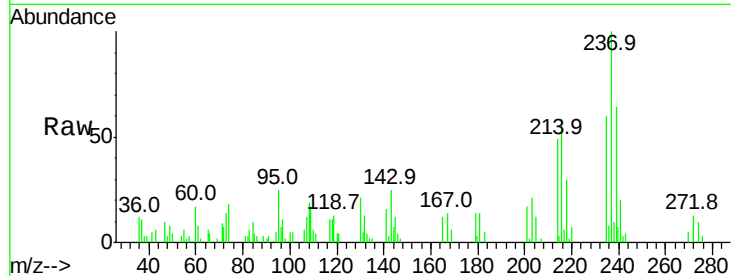
ClientSampleId :

GRAVEL-PILEMSD

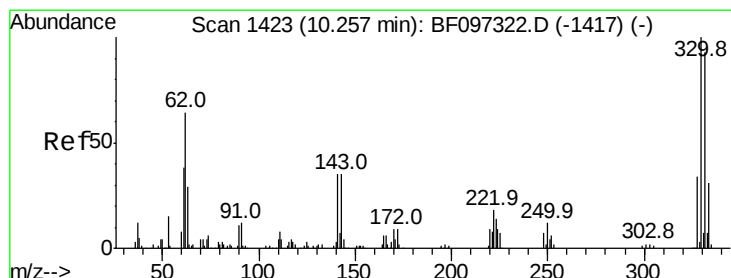
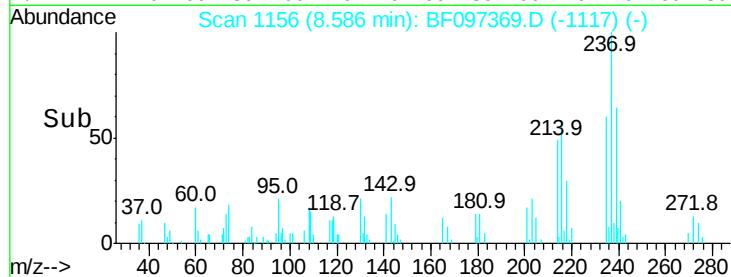
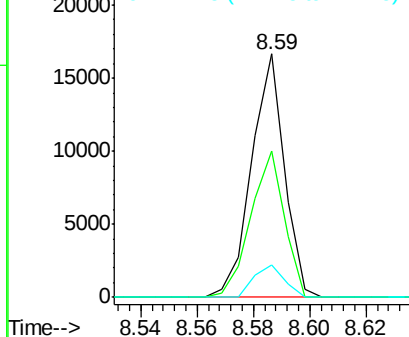
Tot Ion:	237	Resp:	13447
Ion Ratio	Lower	Upper	
237	100		
235	60.3	42.6	82.6
272	13.5	0.0	31.9

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 77.921 ng

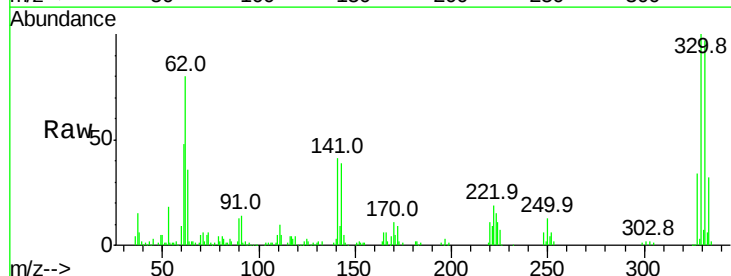
RT: 10.25 min Scan# 1439

Delta R.T. -0.07 min

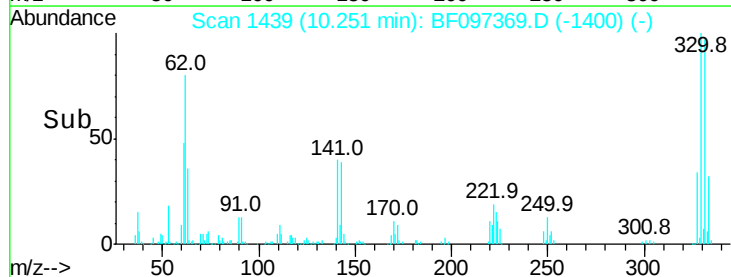
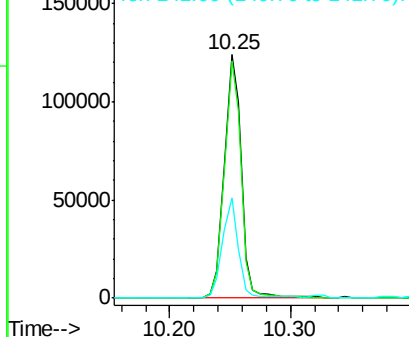
Lab File: BF097369.D

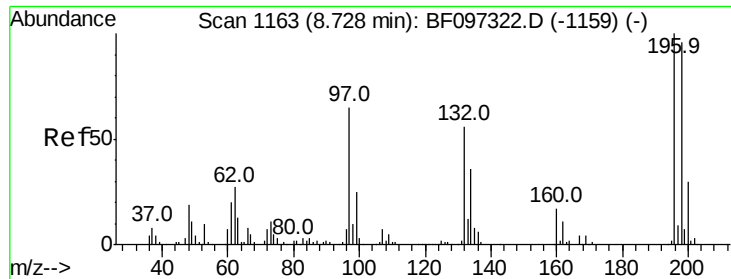
Acq: 4 Aug 2017 21:31

Tgt Ion:	330	Resp:	121153
Ion Ratio	Lower	Upper	
330	100		
332	96.0	76.6	115.0
141	39.4	31.4	47.2



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





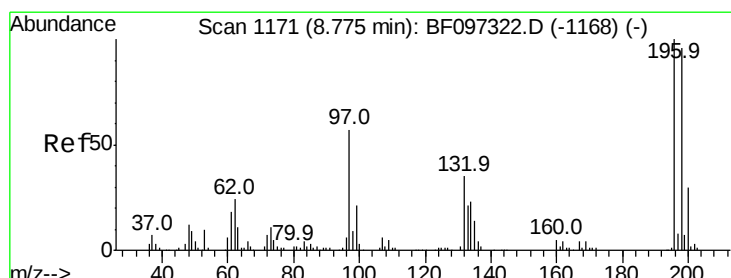
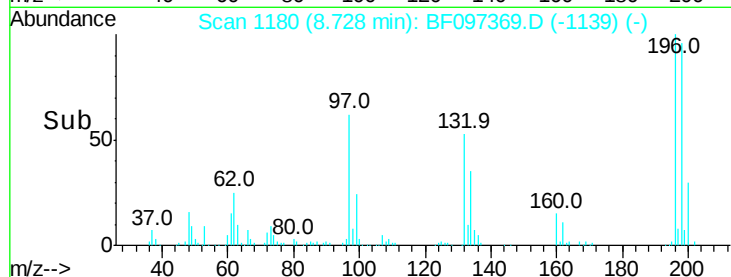
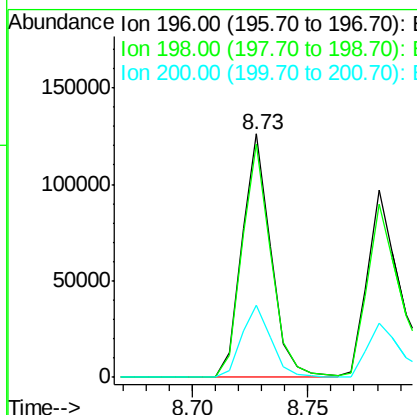
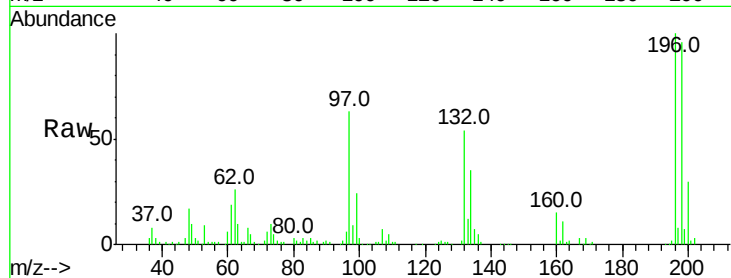
#42
 2,4,6-Trichlorophenol
 Concen: 28.943 ng
 RT: 8.73 min Scan# 1180
 Delta R.T. -0.06 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

Tot Ion:	196	Resp:	110133
Ion Ratio	Lower	Upper	
196	100		
198	95.8	74.2	111.4
200	29.5	24.0	36.0

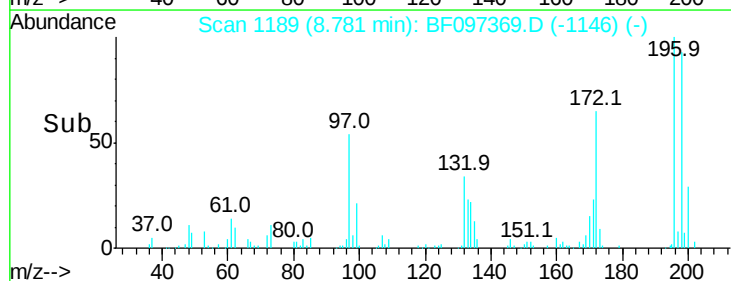
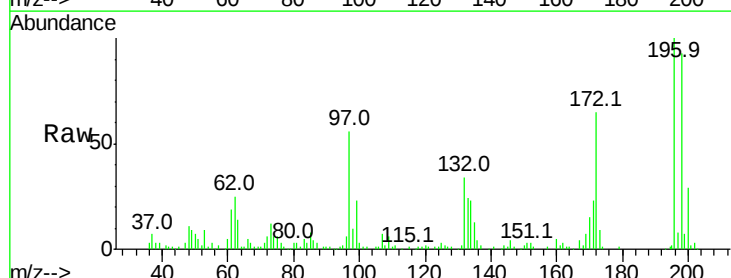
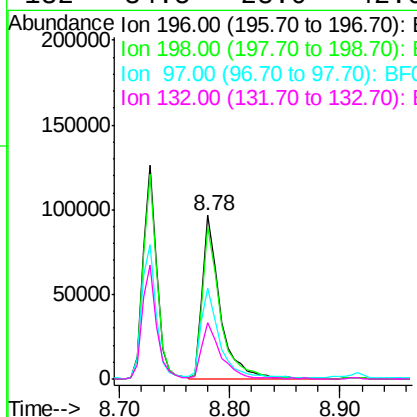
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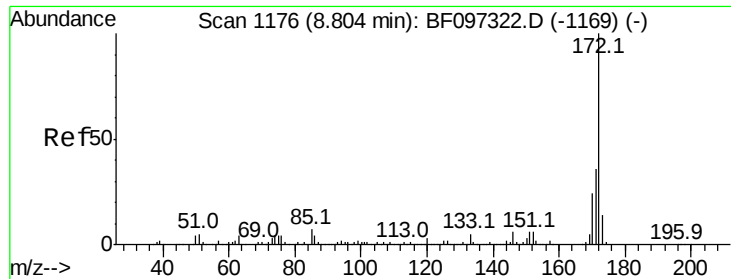
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#43
 2,4,5-Trichlorophenol
 Concen: 27.913 ng
 RT: 8.78 min Scan# 1189
 Delta R.T. -0.05 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Tgt Ion:	196	Resp:	106311
Ion Ratio	Lower	Upper	
196	100		
198	93.1	75.7	113.5
97	55.7	47.7	71.5
132	34.5	28.0	42.0





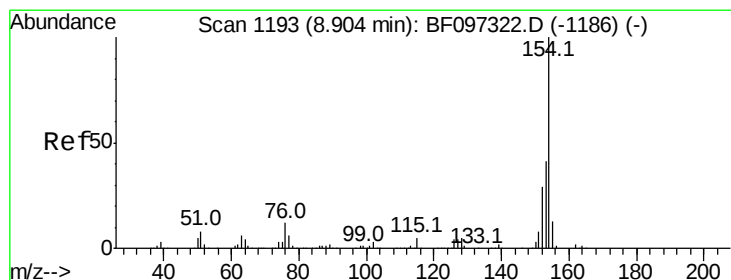
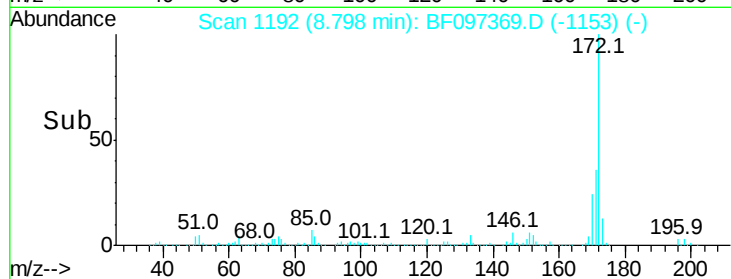
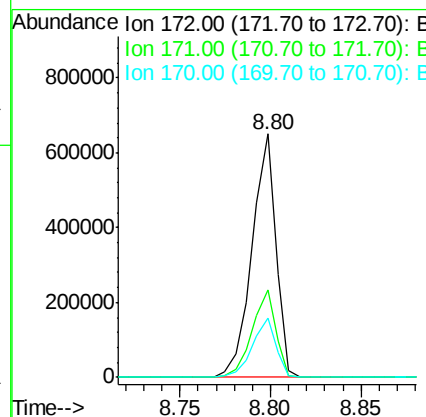
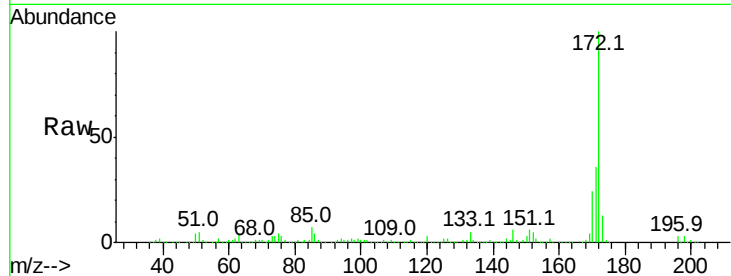
#44
2-Fluorobiphenyl
Concen: 51.531 ng
RT: 8.80 min Scan# 1192
Delta R.T. -0.07 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
172	100	597527		
171	35.7		29.6	44.4
170	24.3		19.8	29.8

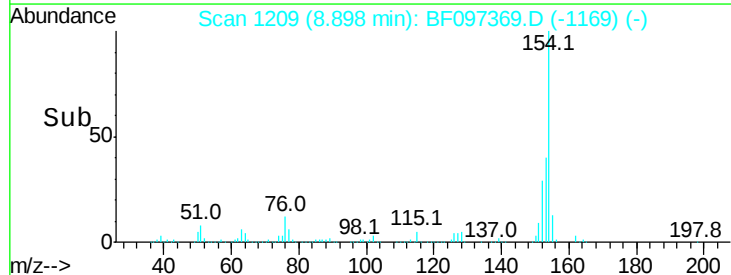
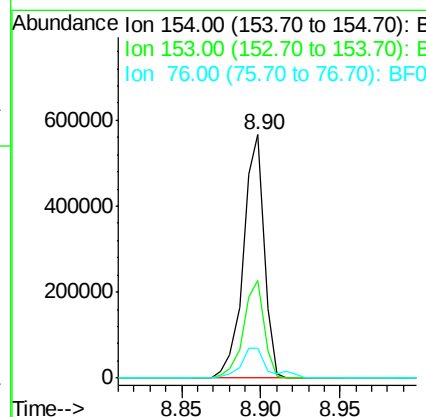
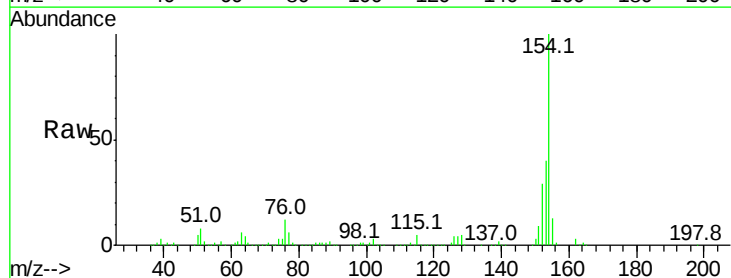
Manual Integrations
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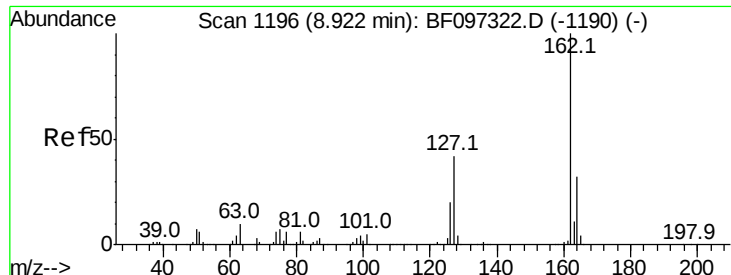
Sohil
8/7/2017 6:10:02 PM



#45
1,1'-Biphenyl
Concen: 30.476 ng
RT: 8.90 min Scan# 1209
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	512251		
153	40.3		21.2	61.2
76	12.5		0.0	29.9





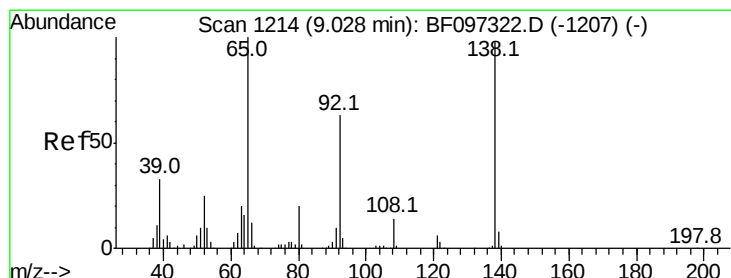
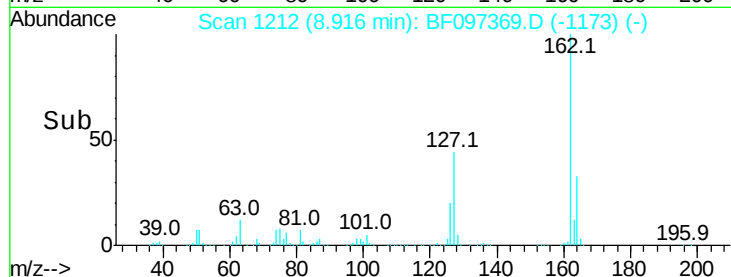
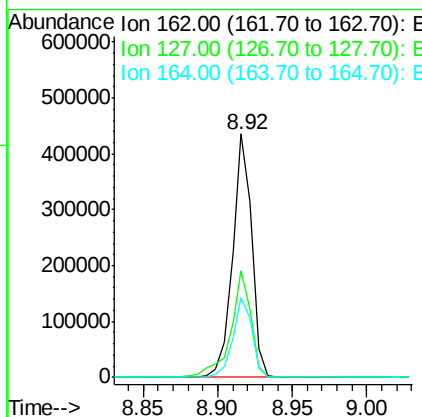
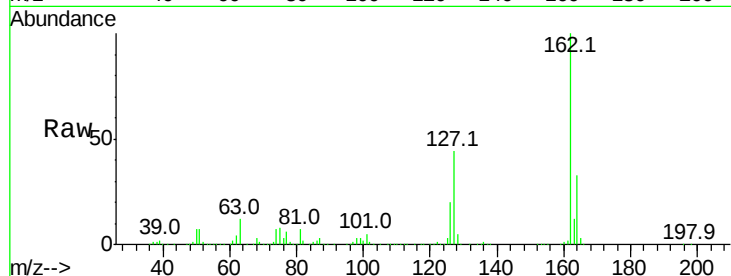
#46
2-Chloronaphthalene
Concen: 31.780 ng
RT: 8.92 min Scan# 1212
Delta R.T. -0.07 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
127	43.7	28.3	42.5#	
164	32.7	27.0	40.4	

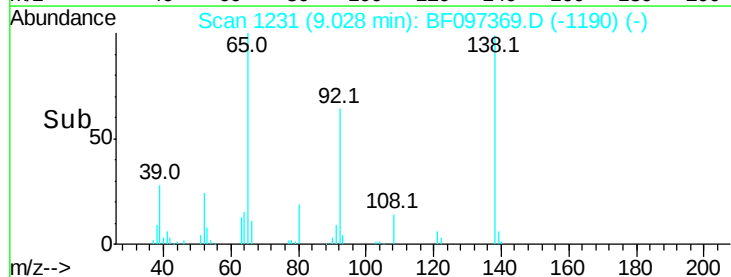
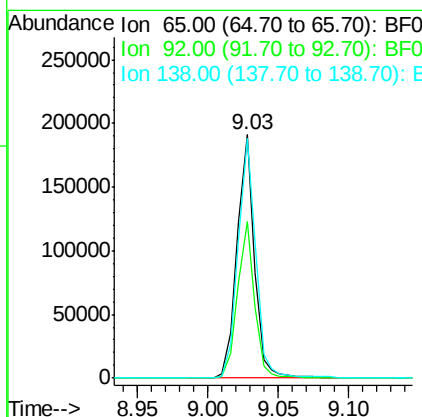
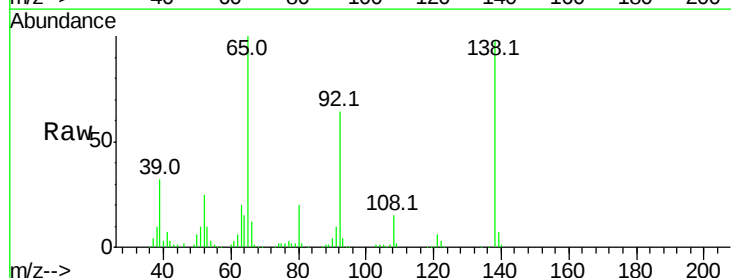
Manual Integrations
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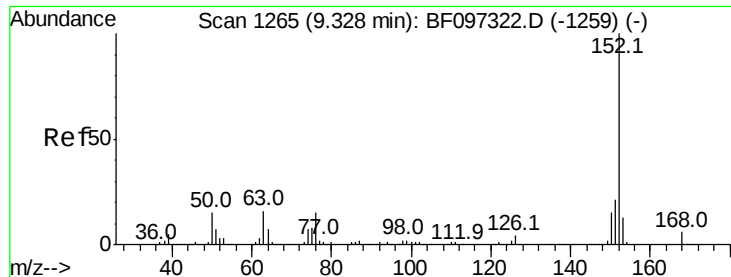
Sohil
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#47
2-Nitroaniline
Concen: 36.671 ng
RT: 9.03 min Scan# 1231
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
92	64.3	53.9	80.9	
138	98.5	78.8	118.2	





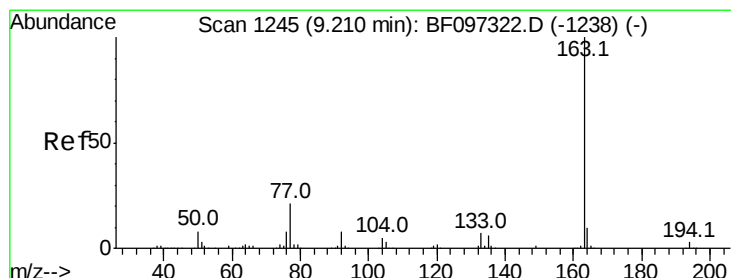
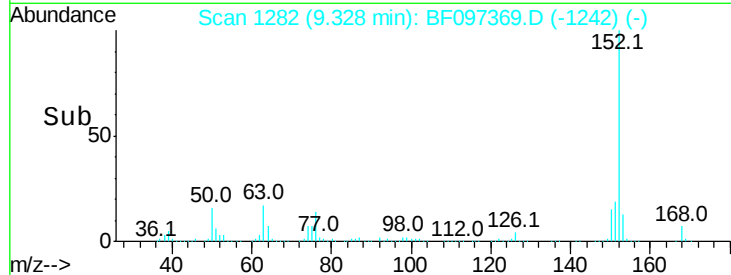
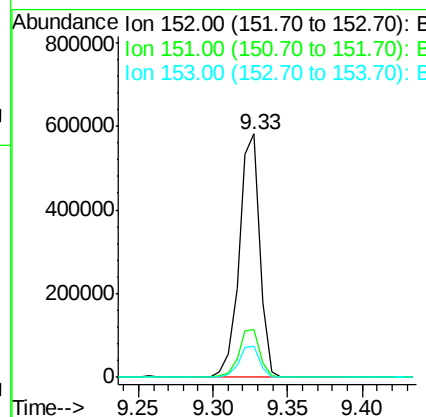
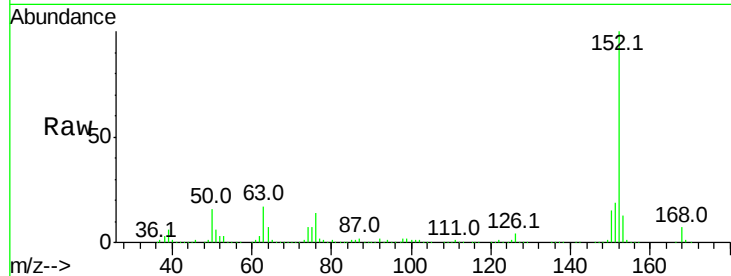
#48
 Acenaphthylene
 Concen: 29.666 ng
 RT: 9.33 min Scan# 1282
 Delta R.T. -0.06 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
152	100	563225		
151	19.4		16.8	25.2
153	12.7		10.8	16.2

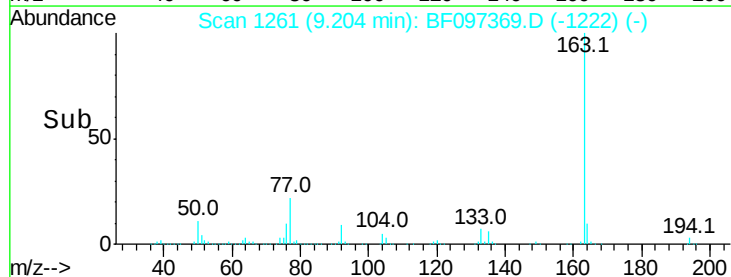
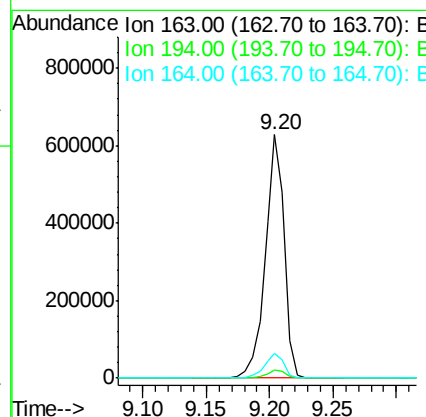
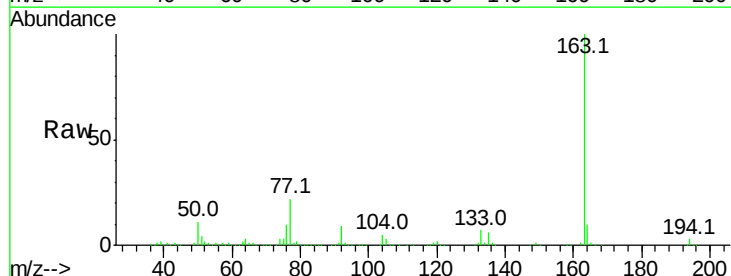
Manual Integrations
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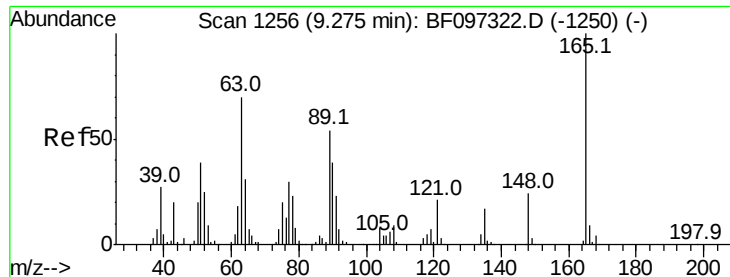
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#49
 Dimethylphthalate
 Concen: 43.588 ng
 RT: 9.20 min Scan# 1261
 Delta R.T. -0.07 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	651371		
194	3.1		2.6	4.0
164	10.1		8.4	12.6





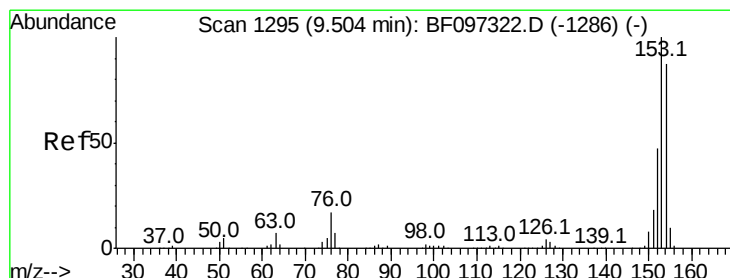
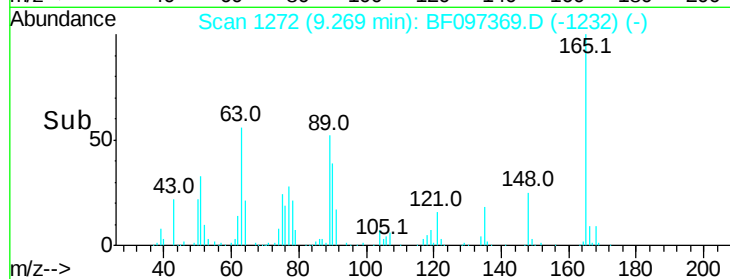
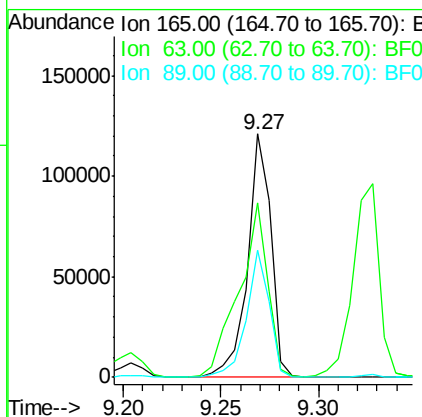
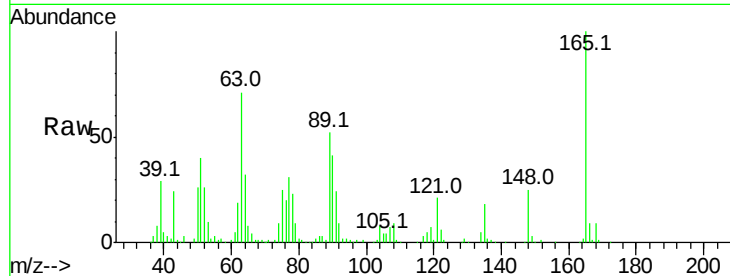
#50
 2,6-Dinitrotoluene
 Concen: 31.649 ng
 RT: 9.27 min Scan# 1272
 Delta R.T. -0.06 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	71.4	34.3	51.5#	
89	52.3	37.1	55.7	

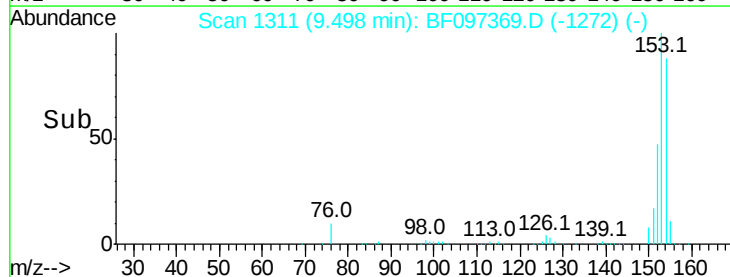
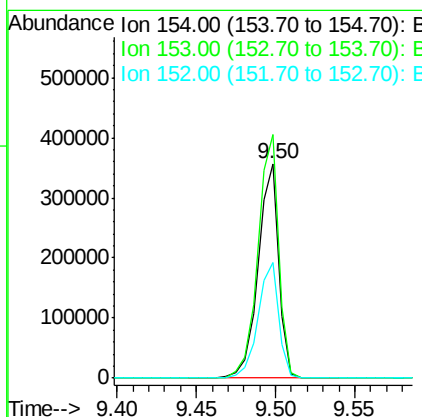
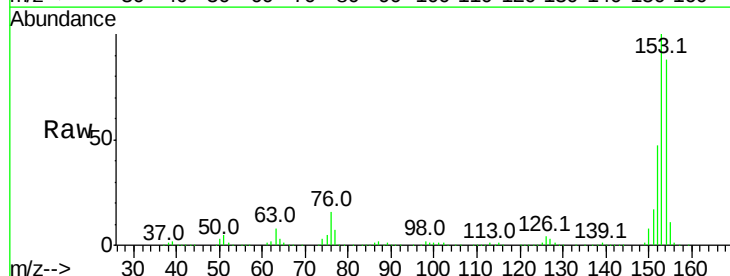
Manual Integrations
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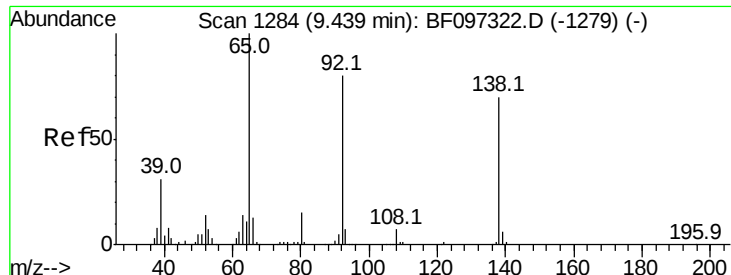
Sohil
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#51
 Acenaphthene
 Concen: 28.988 ng
 RT: 9.50 min Scan# 1311
 Delta R.T. -0.07 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	113.4	90.5	135.7	
152	53.7	43.6	65.4	





#52

3-Nitroaniline

Concen: 28.105 ng

RT: 9.44 min Scan# 1301

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

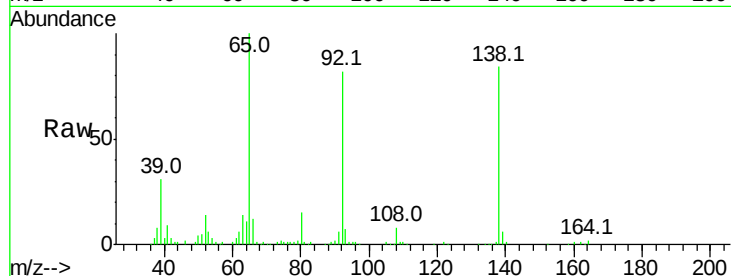
ClientSampleId :

GRAVEL-PILEMSD

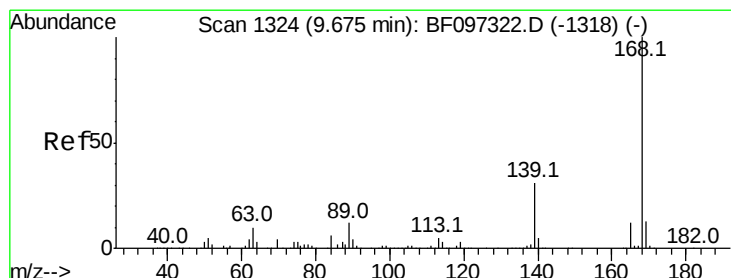
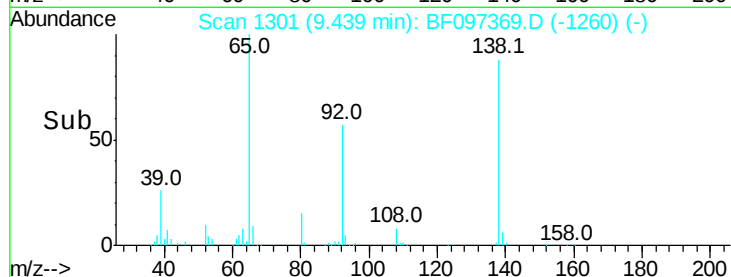
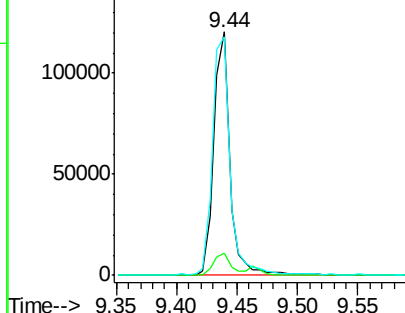
Tot Ion:138	Resp:	110568
Ion Ratio	Lower	Upper
138	100	
108	9.3	9.1 13.7
92	97.8	93.8 140.6

Manual Integrations
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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): BFO



#54

Dibenzofuran

Concen: 31.018 ng

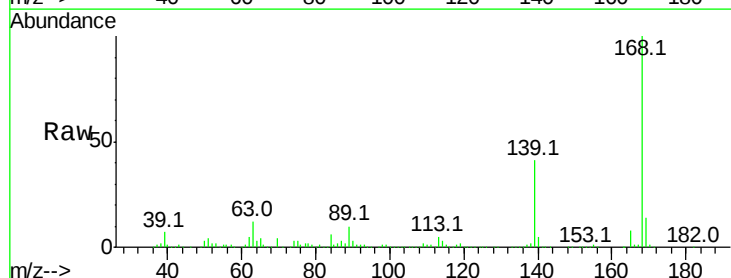
RT: 9.67 min Scan# 1340

Delta R.T. -0.07 min

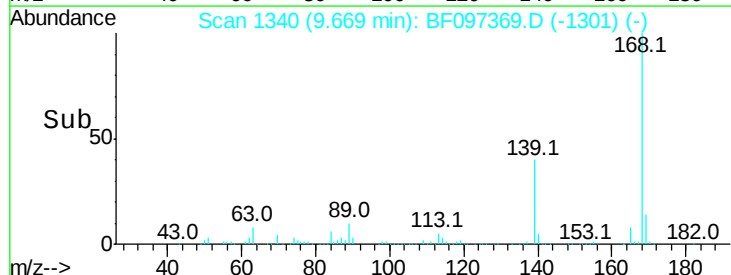
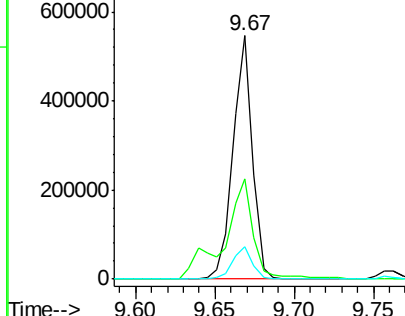
Lab File: BF097369.D

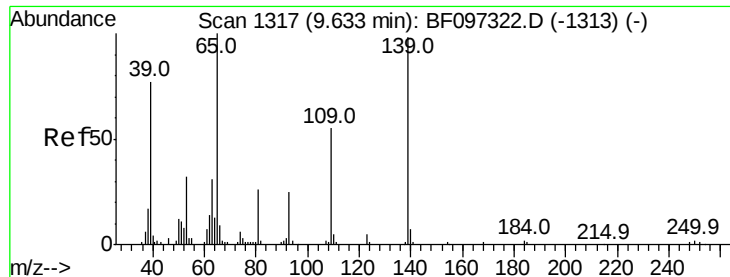
Acq: 4 Aug 2017 21:31

Tgt Ion:168	Resp:	462041
Ion Ratio	Lower	Upper
168	100	
139	41.1	30.6 45.8
169	13.5	10.8 16.2



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





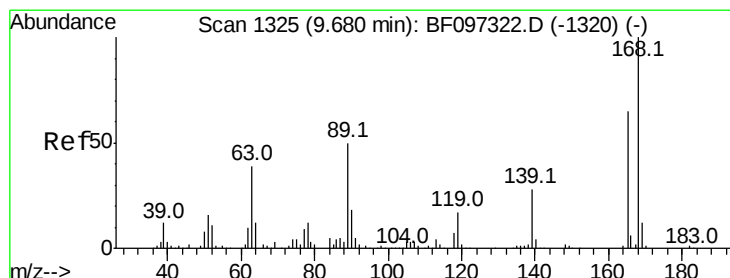
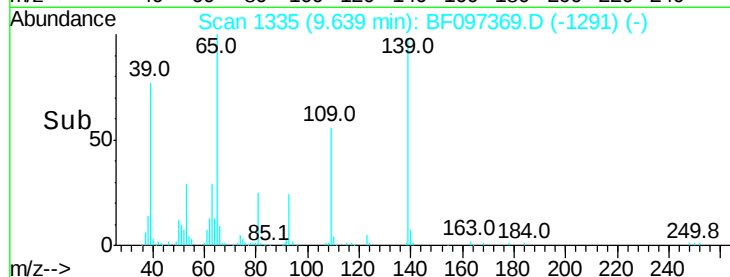
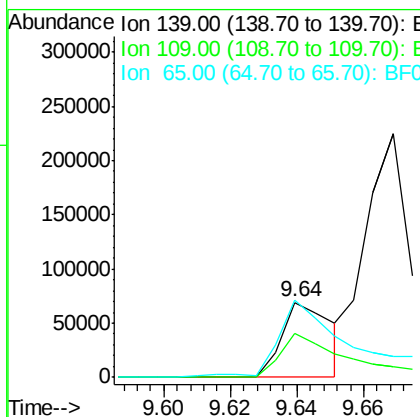
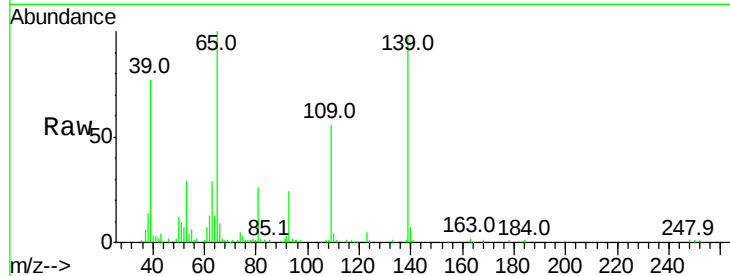
#55
4-Nitrophenol
Concen: 30.488 ng/ml
RT: 9.64 min Scan# 1335
Delta R.T. -0.04 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

Tot Ion	Ratio	Lower	Upper
139	100		
109	57.7	34.1	74.1
65	102.9	31.4	71.4

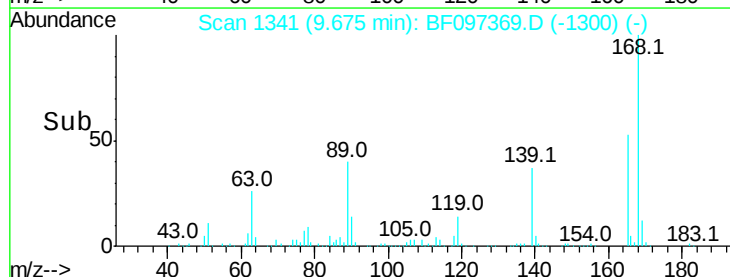
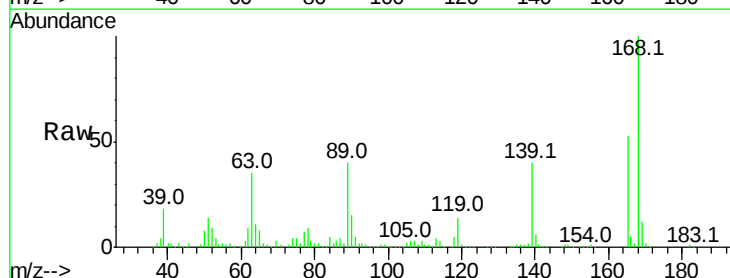
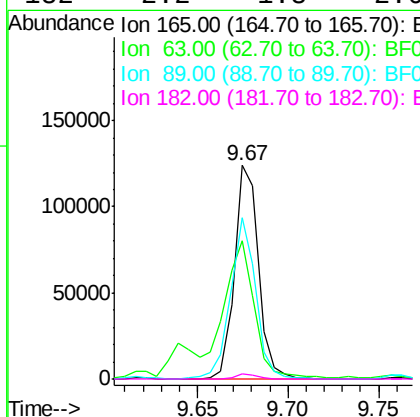
Manual Integrations
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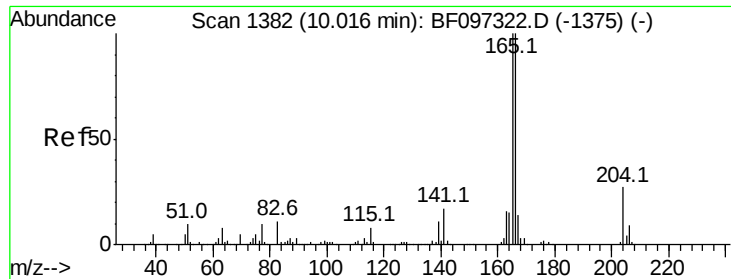
Sohil
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#56
2,4-Dinitrotoluene
Concen: 31.317 ng/ml
RT: 9.67 min Scan# 1341
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	64.9	25.4	38.0
89	75.5	46.4	69.6
182	2.2	1.8	2.6





#57

Fluorene

Concen: 31.208 ng

RT: 10.01 min Scan# 1398

Delta R.T. -0.07 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

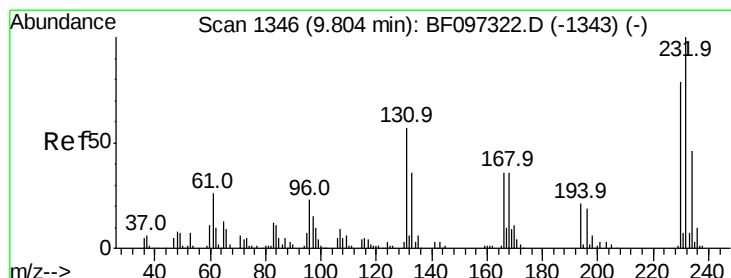
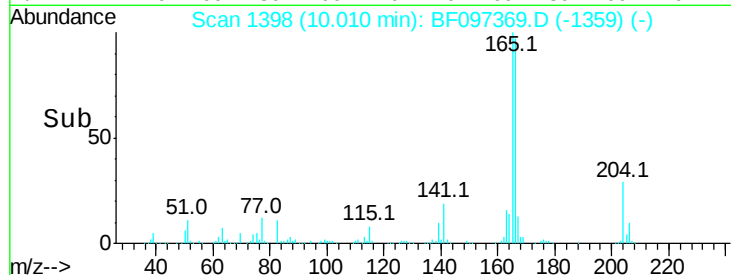
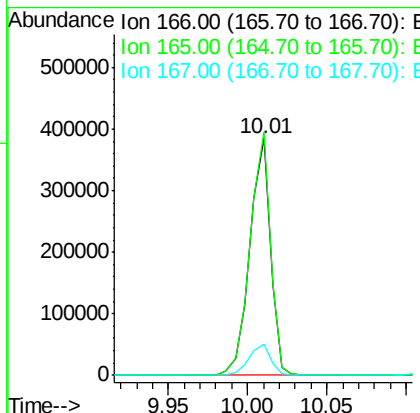
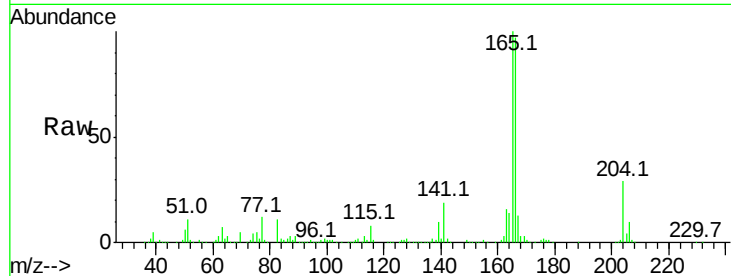
ClientSampleId :

GRAVEL-PILEMSD

Tot Ion:	166	Resp:	349387
Ion Ratio	Lower	Upper	
166	100		
165	102.8	78.8	118.2
167	13.1	10.6	16.0

Manual Integrations
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#58

2,3,4,6-Tetrachlorophenol

Concen: 28.310 ng

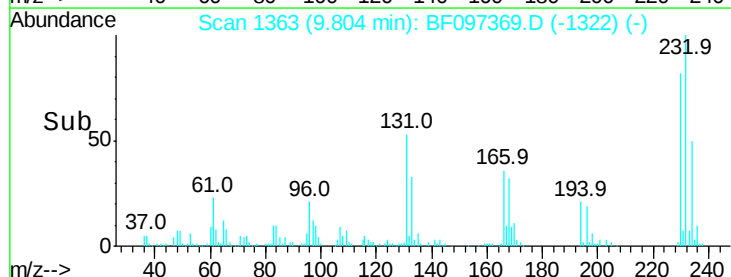
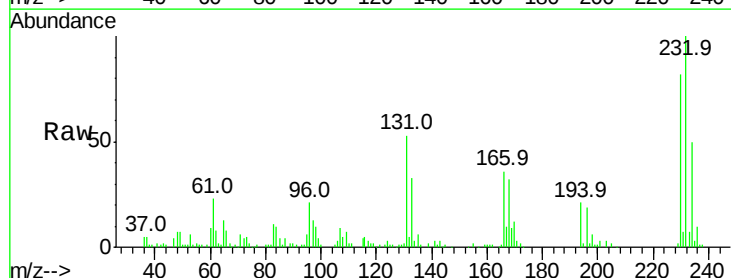
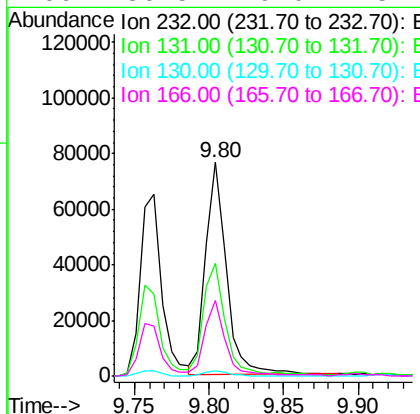
RT: 9.80 min Scan# 1363

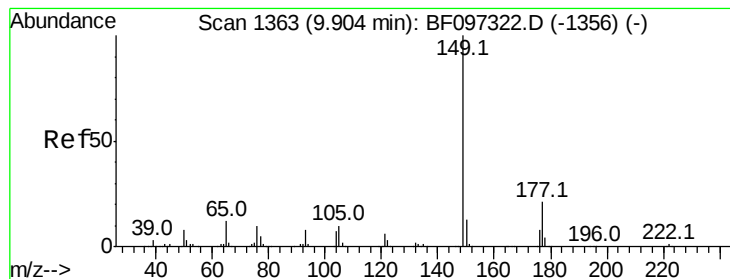
Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Tgt Ion:	232	Resp:	74447
Ion Ratio	Lower	Upper	
232	100		
131	54.5	44.8	67.2
130	2.7	2.3	3.5
166	36.5	29.0	43.4





#59

Diethylphthalate

Concen: 31.028 ng

RT: 9.90 min Scan# 1379

Delta R.T. -0.07 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMSD

Tot Ion:149 Resp: 425391

Ion Ratio Lower Upper

149 100

177 20.2 16.7 25.1

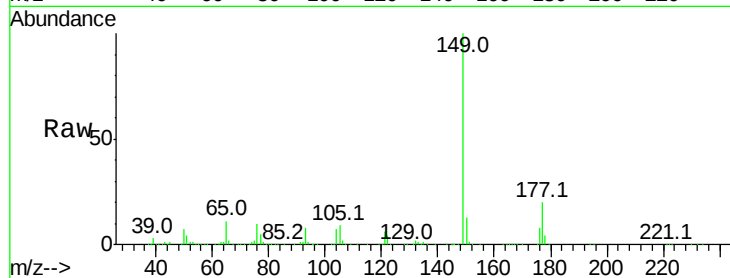
150 12.6 10.2 15.2

Manual Integrations

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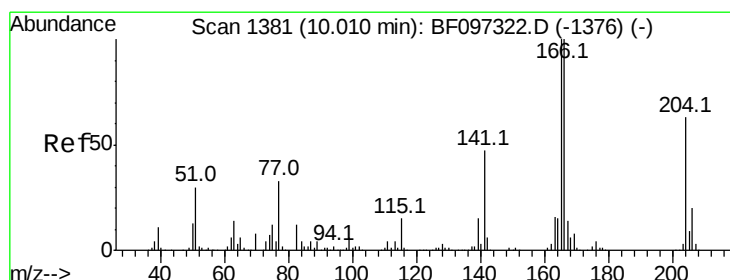
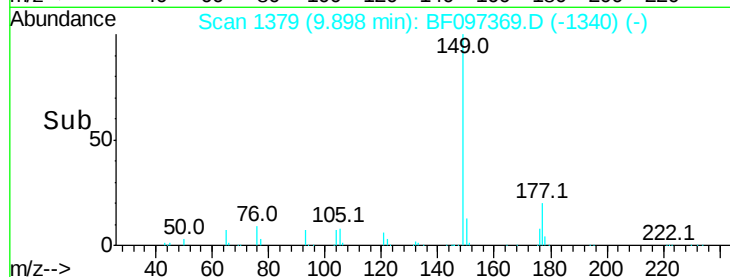
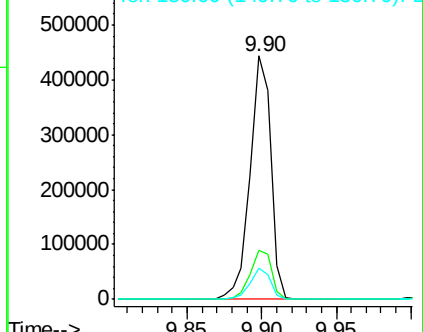
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 31.241 ng

RT: 10.00 min Scan# 1397

Delta R.T. -0.07 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

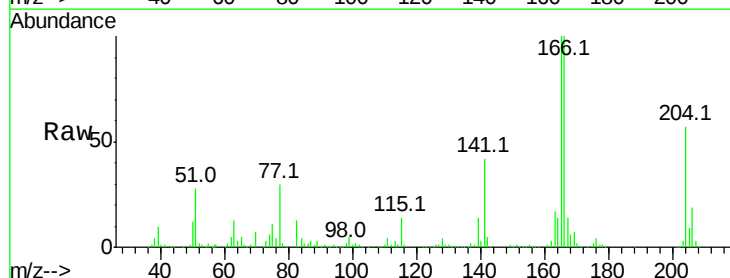
Tgt Ion:204 Resp: 144433

Ion Ratio Lower Upper

204 100

206 32.9 26.2 39.2

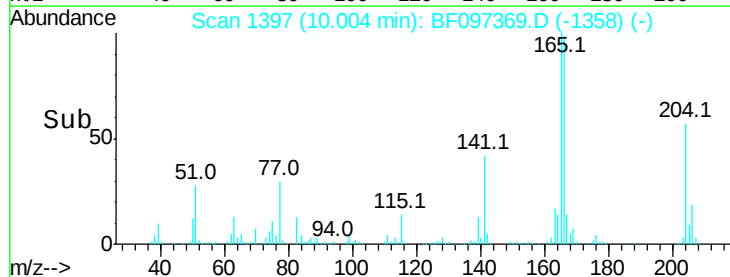
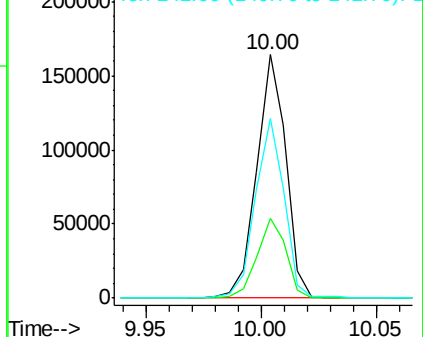
141 73.6 60.8 91.2

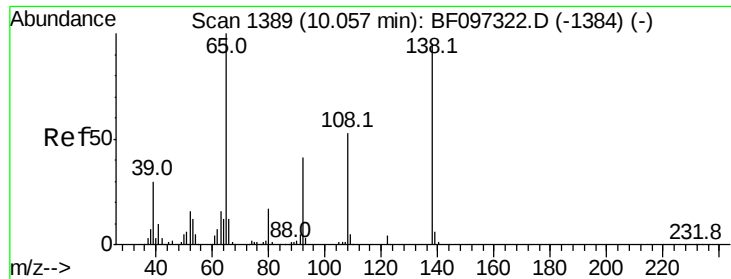


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





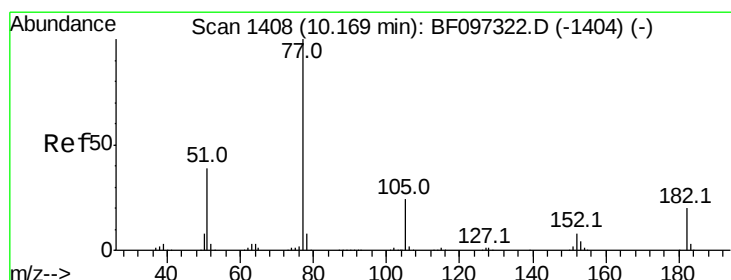
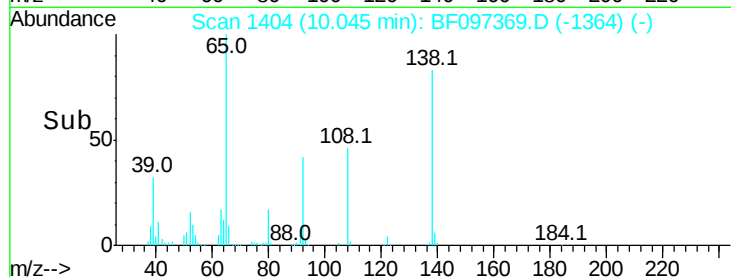
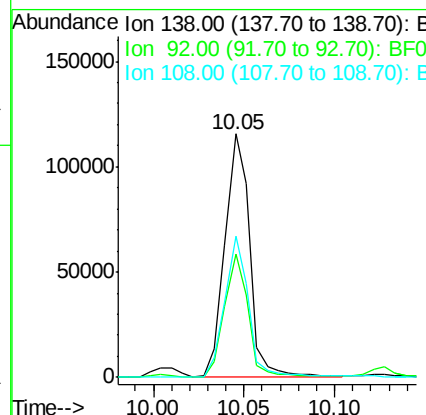
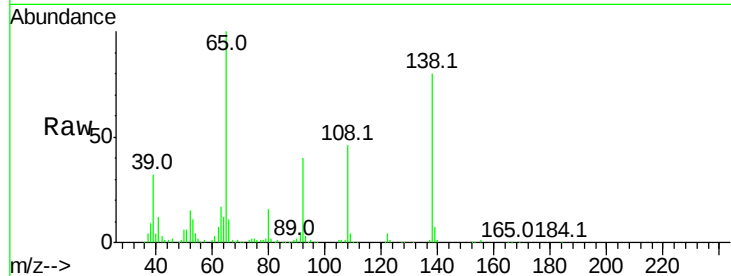
#61
4-Nitroaniline
Concen: 29.762 ng
RT: 10.05 min Scan# 1404
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100			
92	50.6	21.8	61.8	
108	57.8	42.3	82.3	

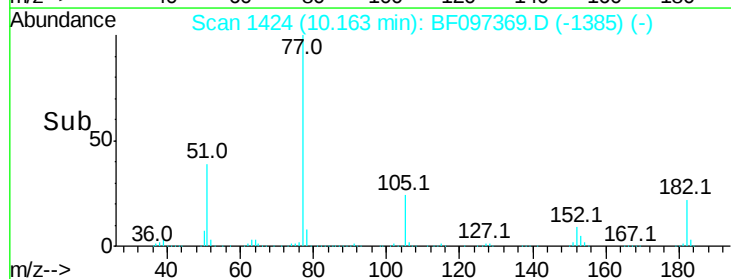
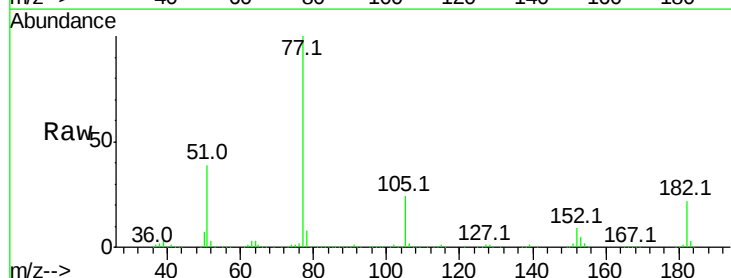
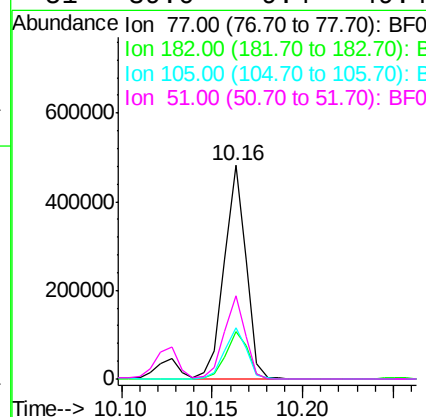
Manual Integrations
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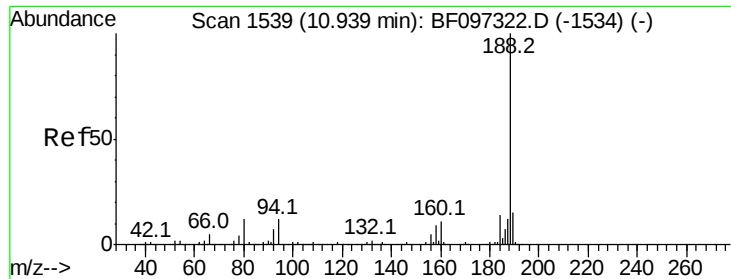
Sohil
8/7/2017 6:10:02 PM



#62
Azobenzene
Concen: 31.502 ng
RT: 10.16 min Scan# 1424
Delta R.T. -0.07 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
182	22.5	0.1	40.1	
105	24.2	3.6	43.6	
51	39.0	9.4	49.4	





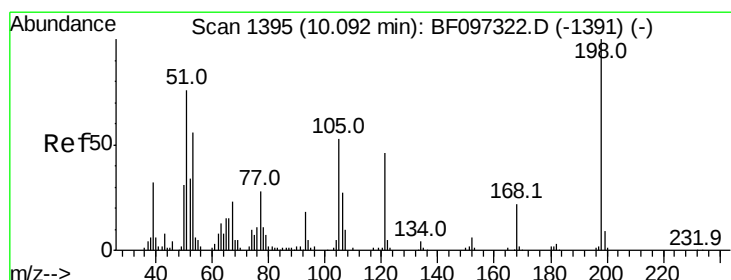
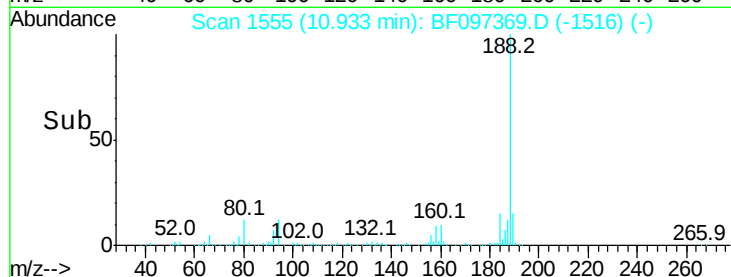
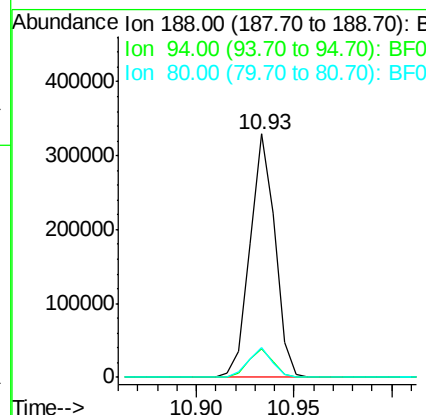
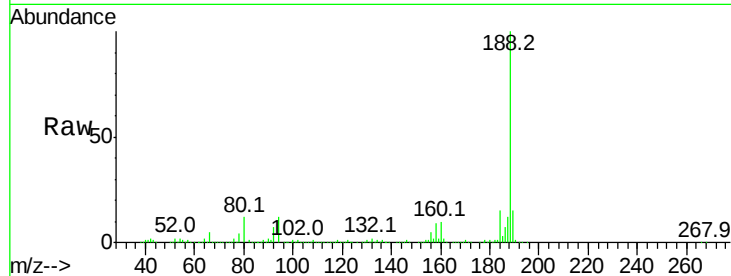
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.93 min Scan# 1555
Delta R.T. -0.07 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	291718		
94	11.8		9.4	14.2
80	12.0		10.2	15.2

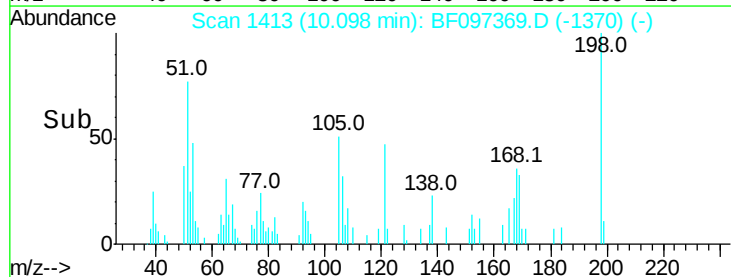
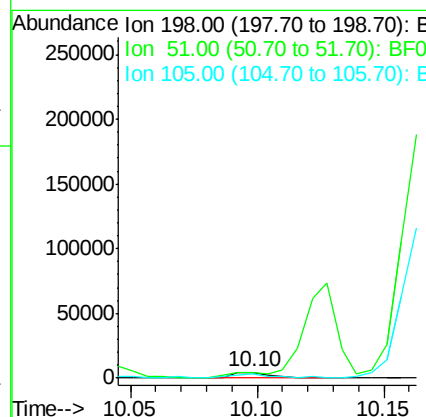
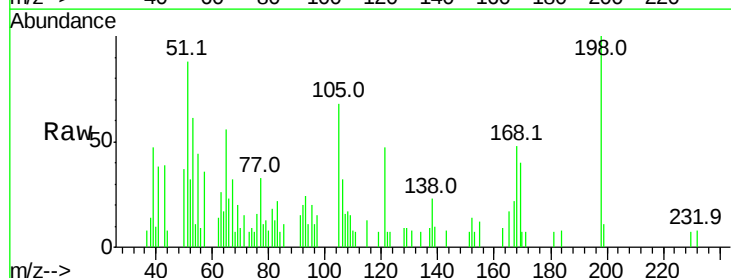
Manual Integrations
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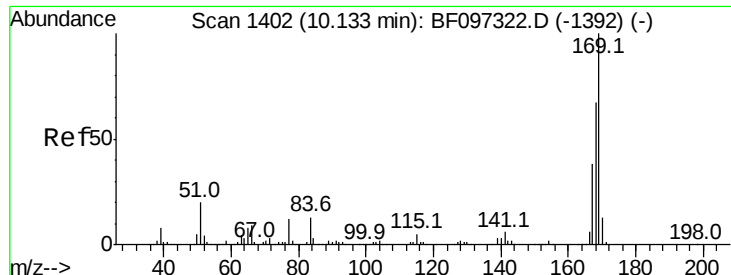
Sohil
8/7/2017 6:10:02 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 2.909 ng
RT: 10.10 min Scan# 1413
Delta R.T. -0.05 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	5274		
51	88.5		53.2	93.2
105	68.1		45.8	85.8





#65

n-Nitrosodiphenylamine

Concen: 33.843 ng

RT: 10.13 min Scan# 1418

Delta R.T. -0.07 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

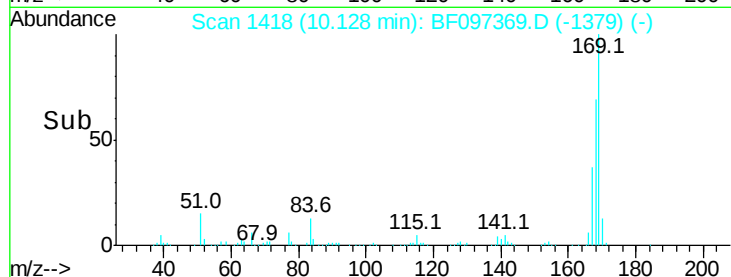
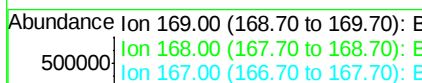
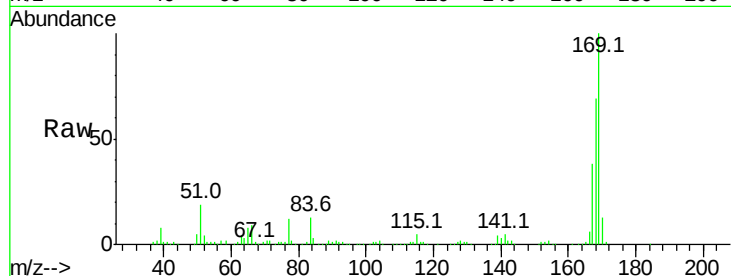
ClientSampleId :

GRAVEL-PILEMSD

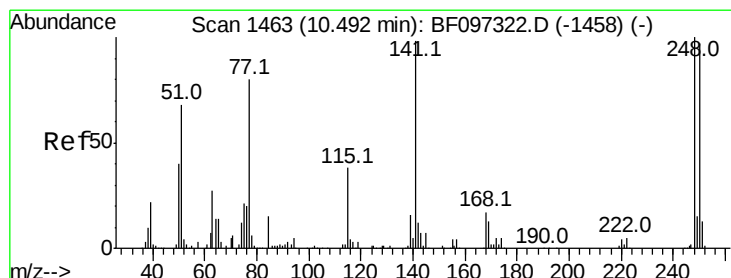
Tot Ion:	169	Resp:	343507
Ion Ratio	Lower	Upper	
169	100		
168	69.1	53.2	79.8
167	37.7	29.5	44.3

Manual Integrations
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Time-->



#66

4-Bromophenyl-phenylether

Concen: 32.776 ng

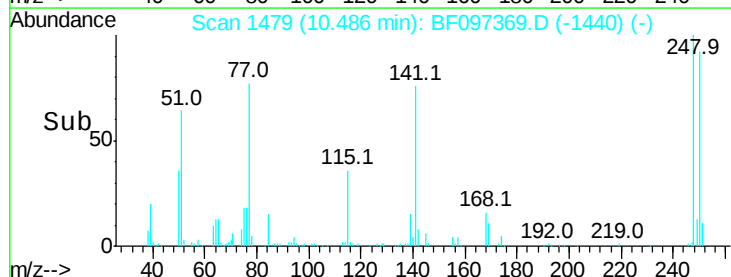
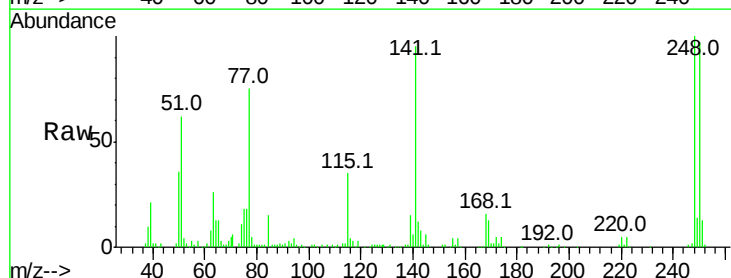
RT: 10.49 min Scan# 1479

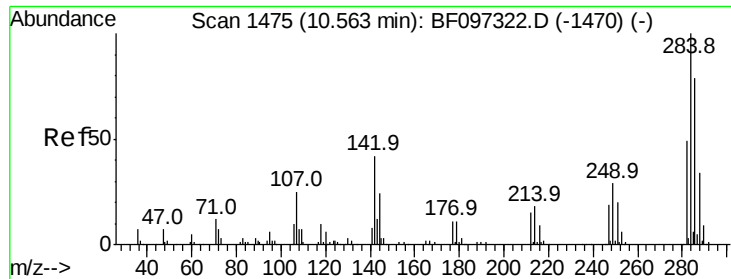
Delta R.T. -0.07 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Tgt Ion:	248	Resp:	95419
Ion Ratio	Lower	Upper	
248	100		
250	97.3	76.8	115.2
141	94.7	68.6	103.0





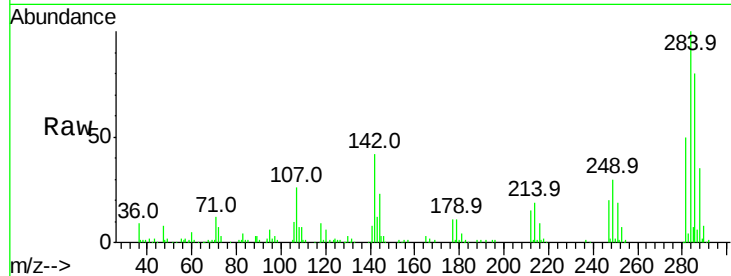
#67
Hexachlorobenzene
Concen: 28.587 ng
RT: 10.56 min Scan# 1491
Delta R.T. -0.07 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Instrument :
BNA_F
ClientSampled :
GRAVEL-PILEMSD

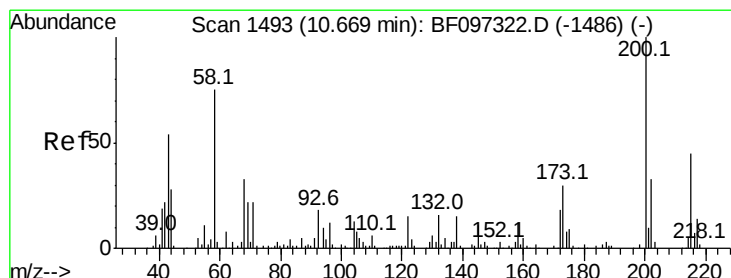
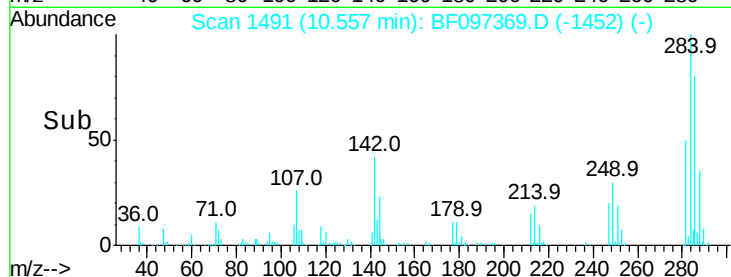
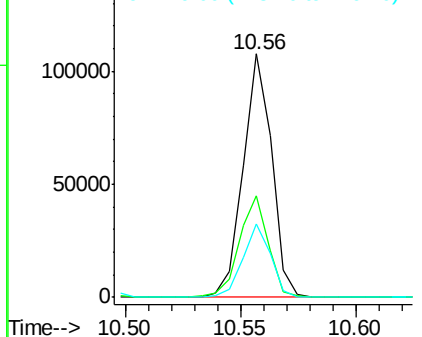
Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	41.7	22.8	34.2	
249	30.1	24.0	36.0	

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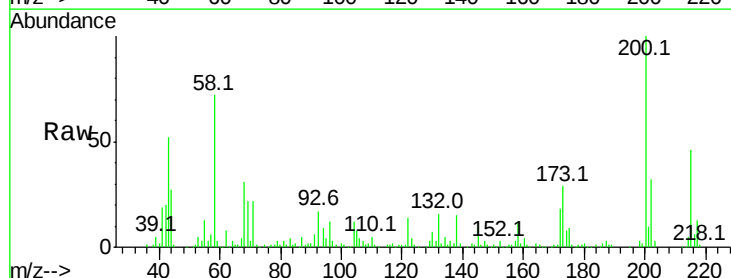


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

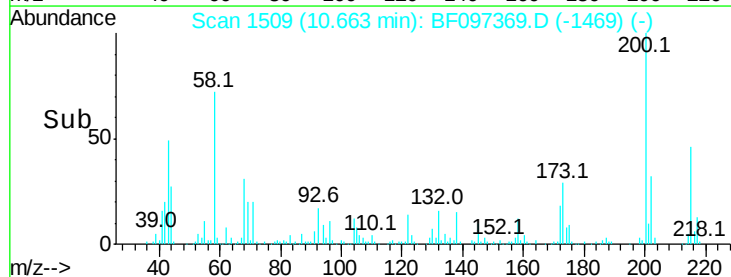
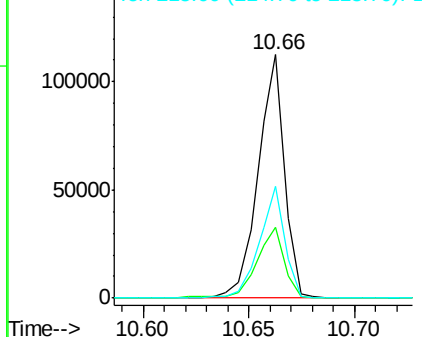


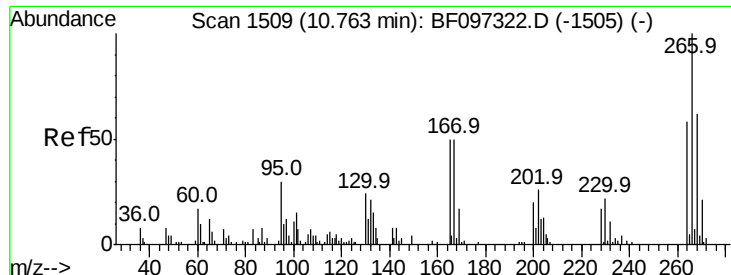
#68
Atrazine
Concen: 33.530 ng
RT: 10.66 min Scan# 1509
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	29.2	6.3	46.3	
215	45.7	27.2	67.2	



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





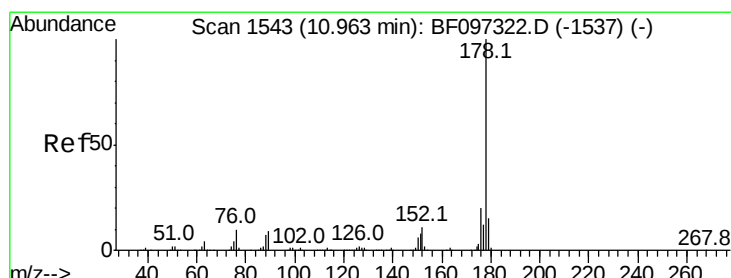
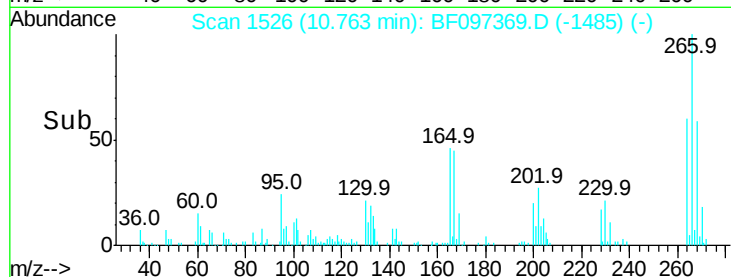
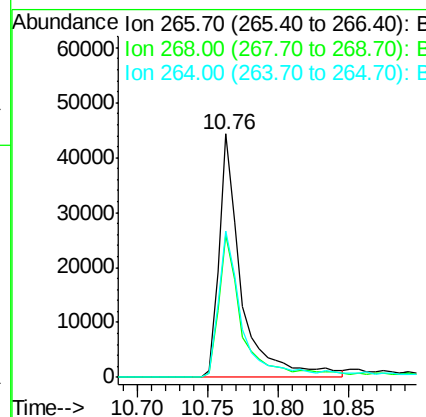
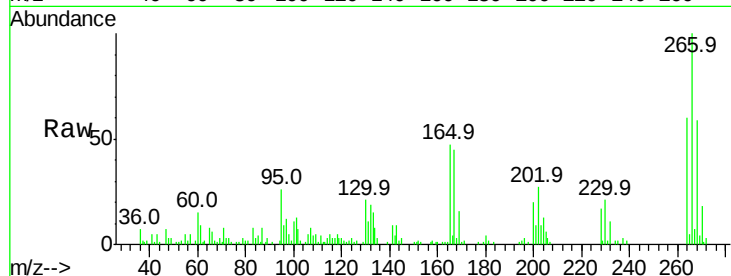
#69
 Pentachlorophenol
 Concen: 36.138 ng
 RT: 10.76 min Scan# 1526
 Delta R.T. -0.06 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	48815		
268	58.5		51.1	76.7
264	60.1		51.7	77.5

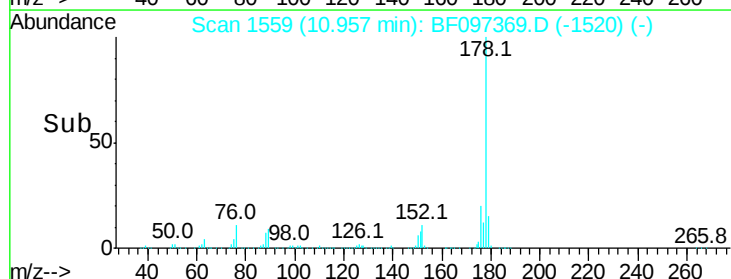
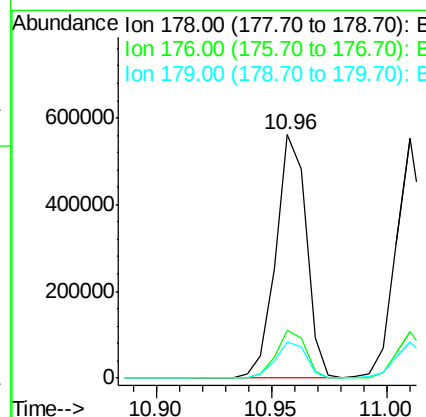
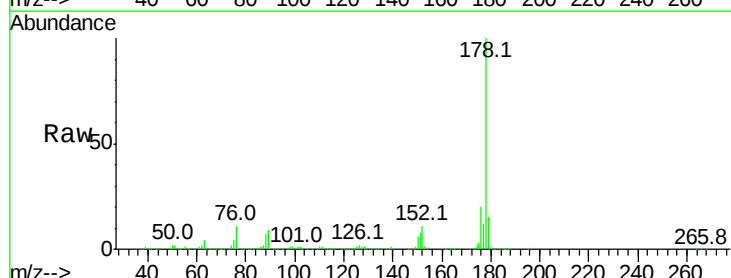
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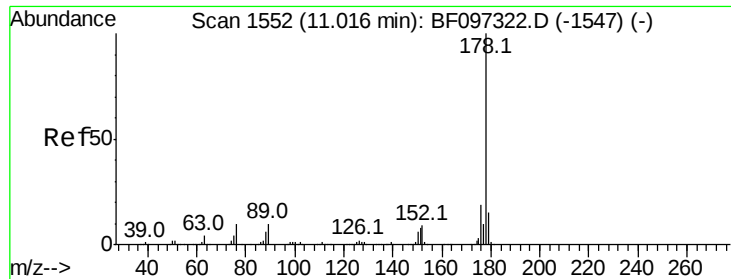
Sohil
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#70
 Phenanthrene
 Concen: 32.944 ng
 RT: 10.96 min Scan# 1559
 Delta R.T. -0.07 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	514927		
176	19.8		16.2	24.4
179	15.0		12.6	19.0





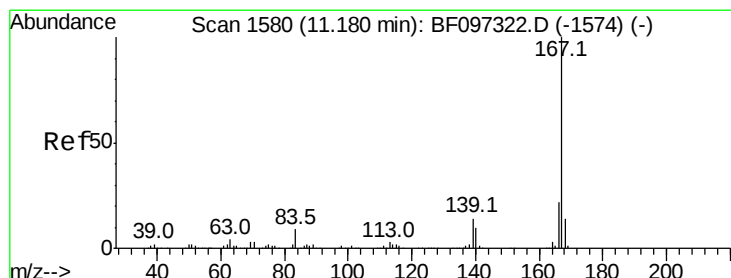
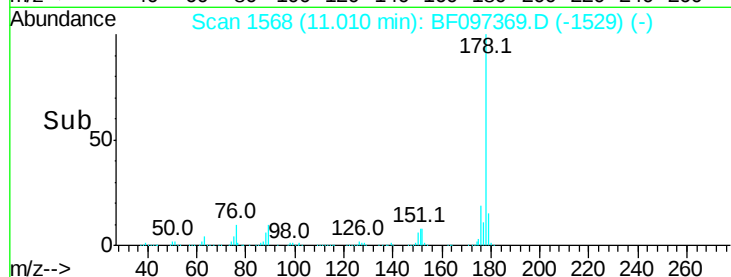
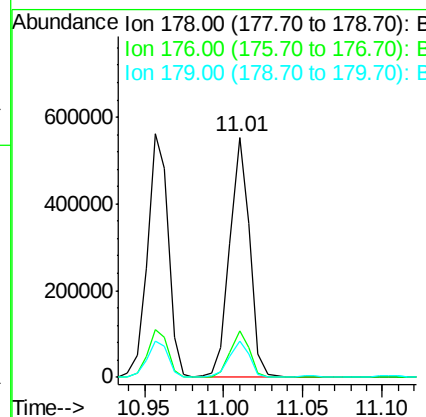
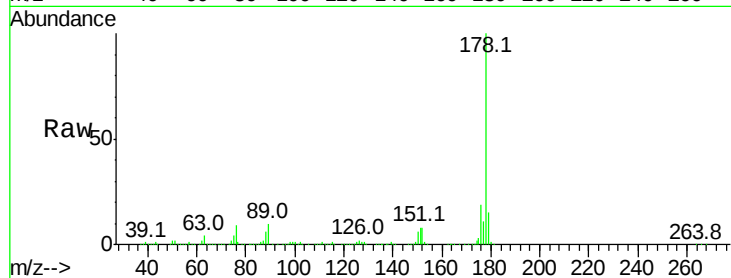
#71
 Anthracene
 Concen: 29.996 ng
 RT: 11.01 min Scan# 1568
 Delta R.T. -0.07 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.2	12.7	19.1

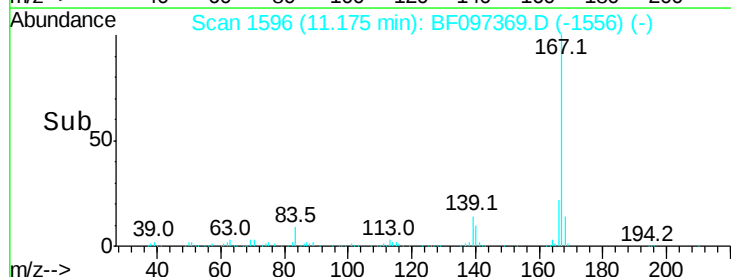
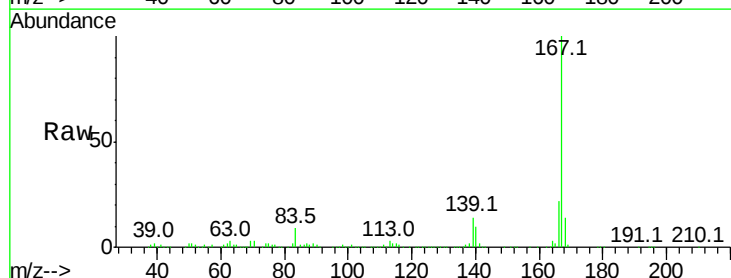
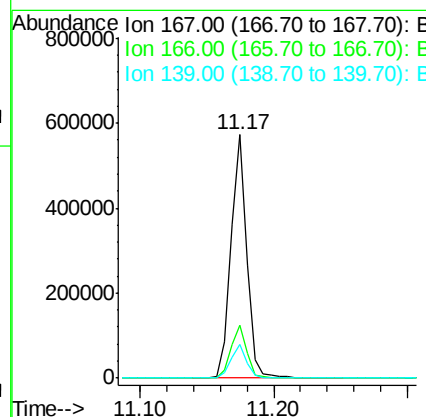
Manual Integrations
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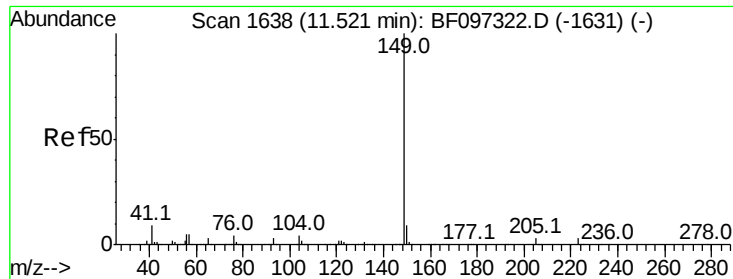
Sohil
 8/7/2017 6:10:02 PM



#72
 Carbazole
 Concen: 30.678 ng
 RT: 11.17 min Scan# 1596
 Delta R.T. -0.06 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	18.1	27.1
139	13.8	11.7	17.5





#73

Di-n-butylphthalate

Concen: 32.642 ng

RT: 11.52 min Scan# 1654

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

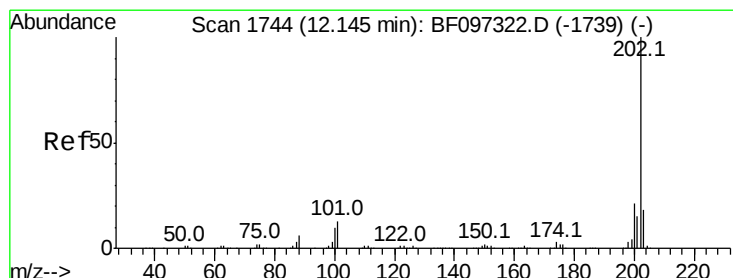
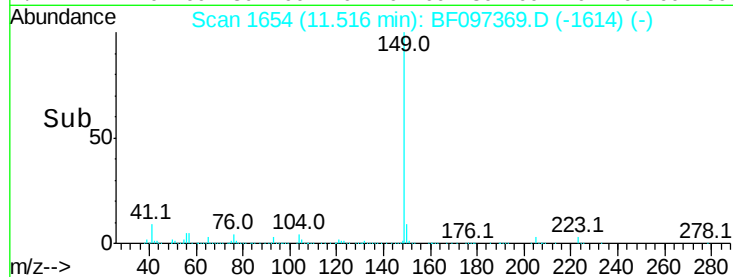
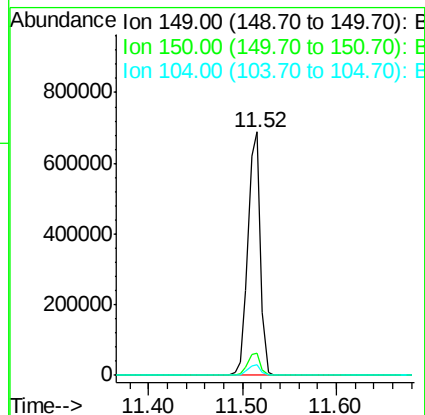
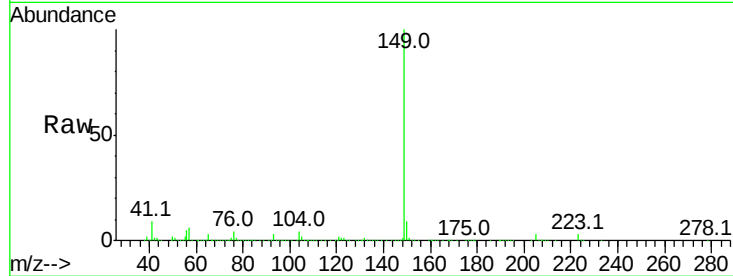
ClientSampleId :

GRAVEL-PILEMSD

Tot Ion:	149	Resp:	635269
Ion Ratio	Lower	Upper	
149	100		
150	9.0	7.7	11.5
104	4.4	4.0	6.0

Manual Integrations
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#74

Fluoranthene

Concen: 34.227 ng

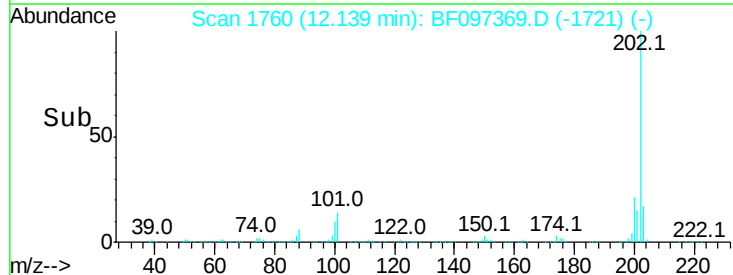
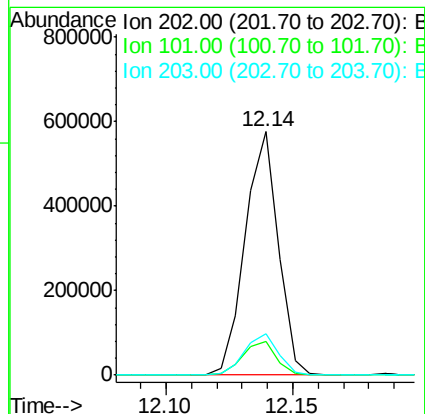
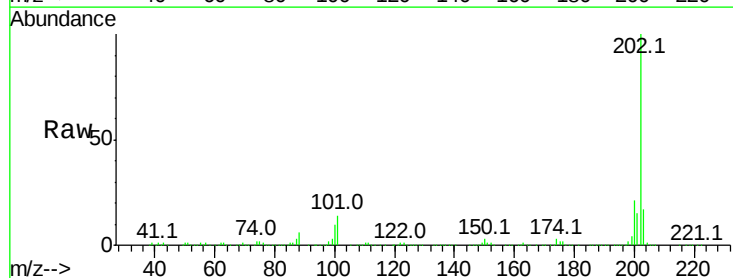
RT: 12.14 min Scan# 1760

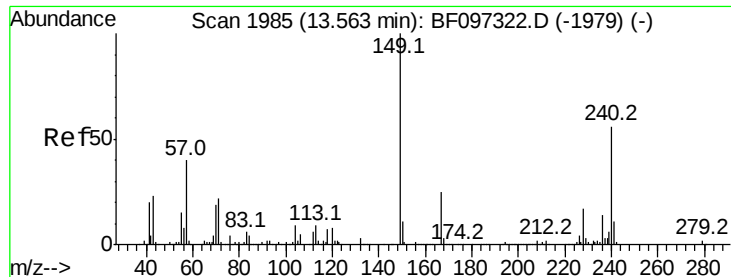
Delta R.T. -0.07 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Tgt Ion:	202	Resp:	524094
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	33.2
203	16.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.56 min Scan# 2001

Delta R.T. -0.07 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

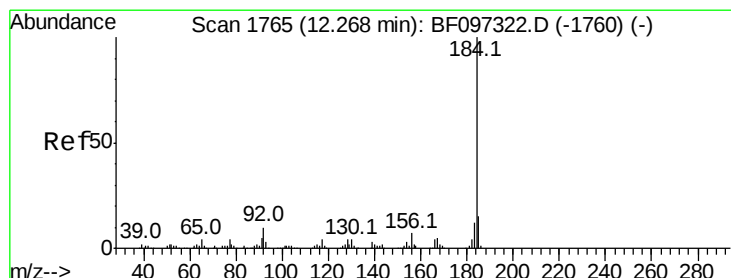
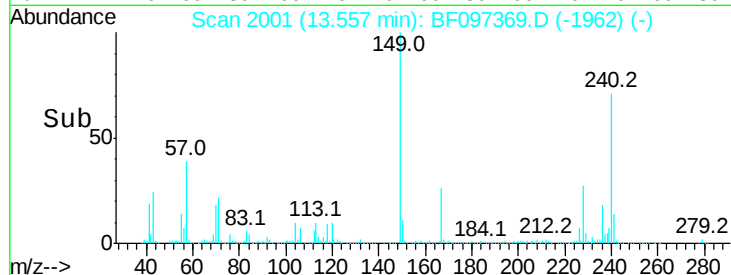
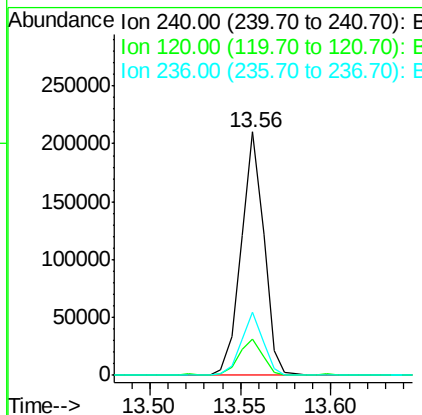
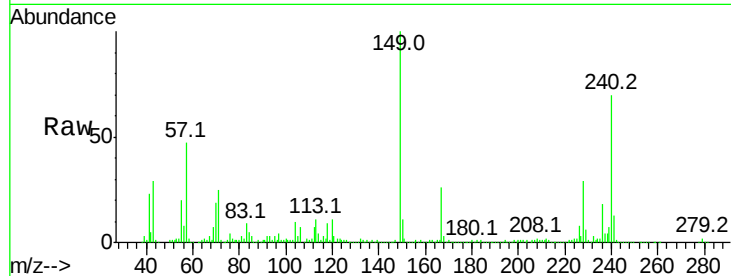
ClientSampleId :

GRAVEL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	15.0	5.8	8.8#	
236	25.8	20.5	30.7	

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#76

Benzidine

Concen: 13.884 ng

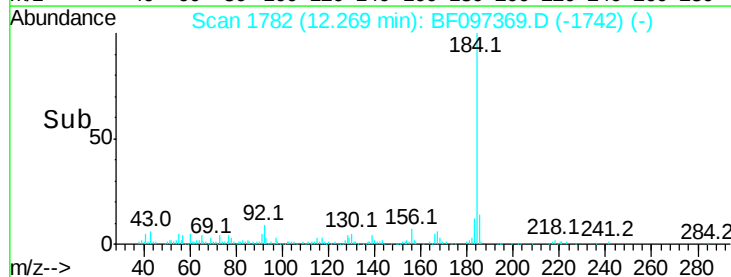
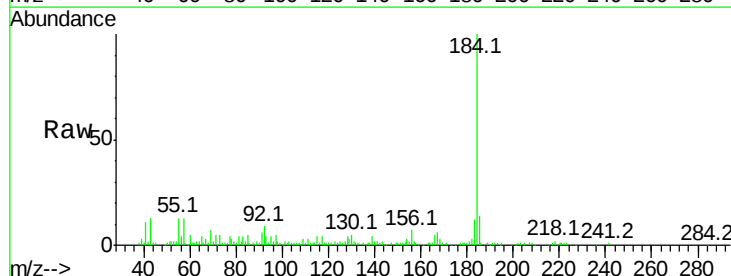
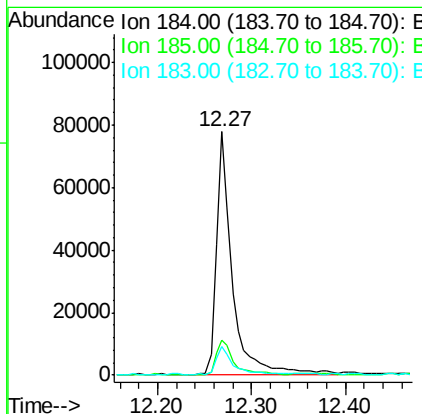
RT: 12.27 min Scan# 1782

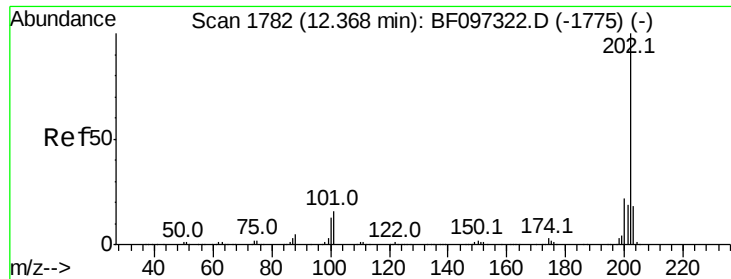
Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
184	100			
185	14.1	15.5	23.3#	
183	12.0	9.8	14.6	





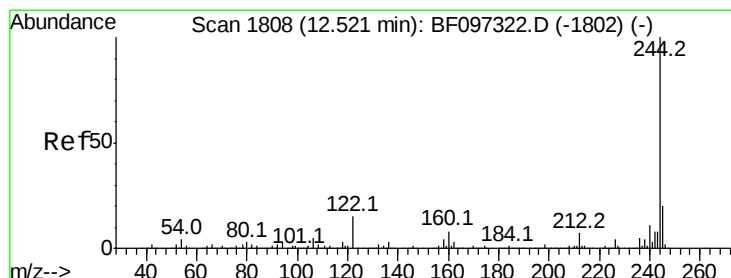
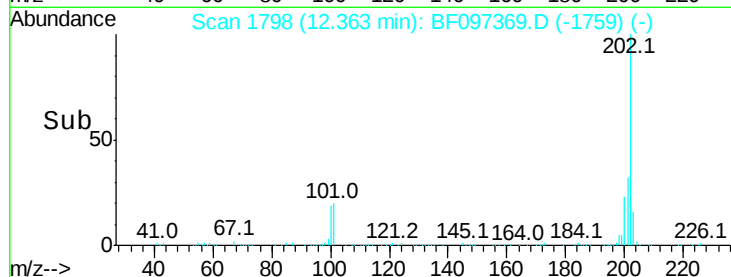
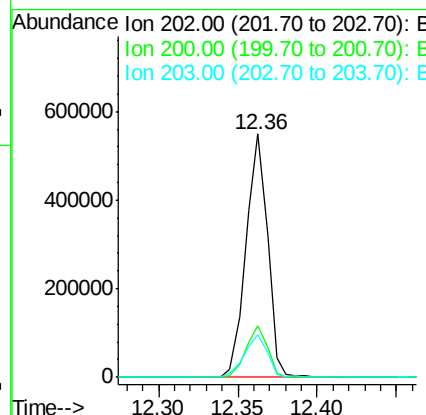
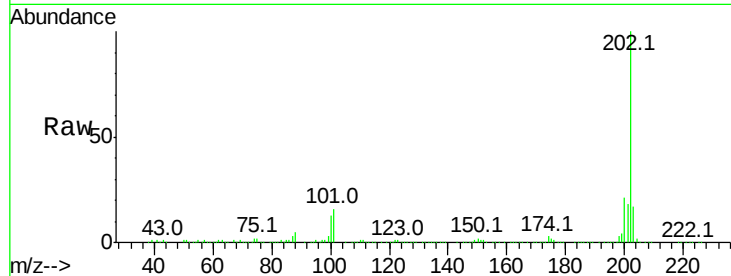
#77
Pvrene
Concen: 34.215 ng
RT: 12.36 min Scan# 1798
Delta R.T. -0.07 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	17.3	14.4	21.6

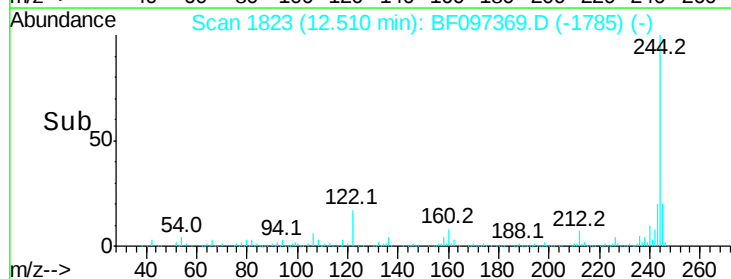
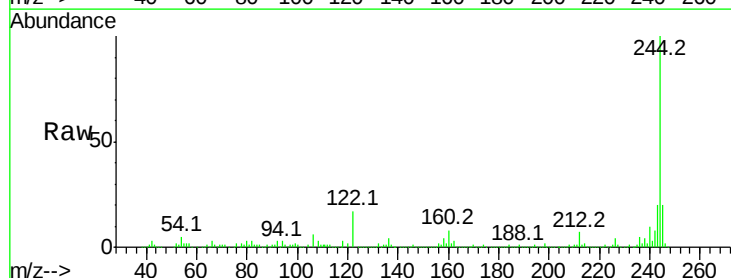
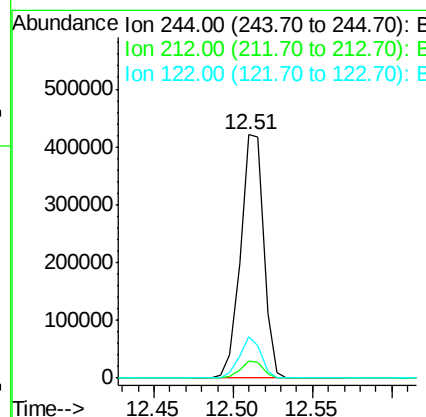
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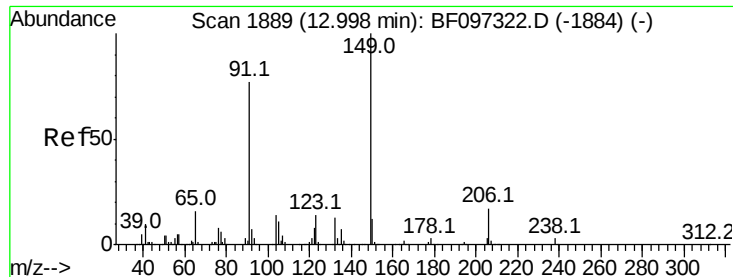
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#78
Terphenyl-d14
Concen: 47.480 ng
RT: 12.51 min Scan# 1823
Delta R.T. -0.08 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	17.0	10.3	15.5





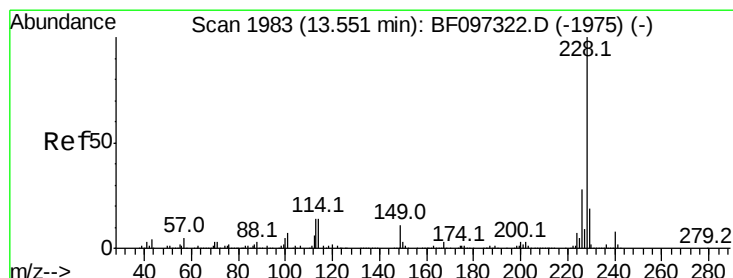
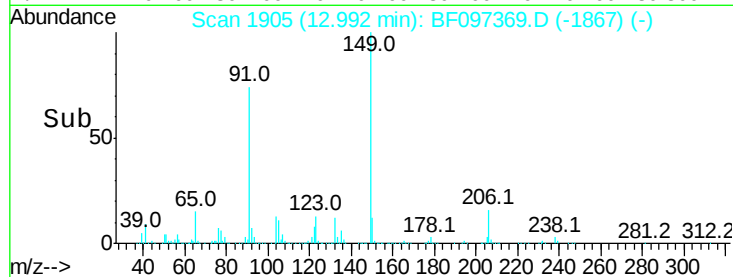
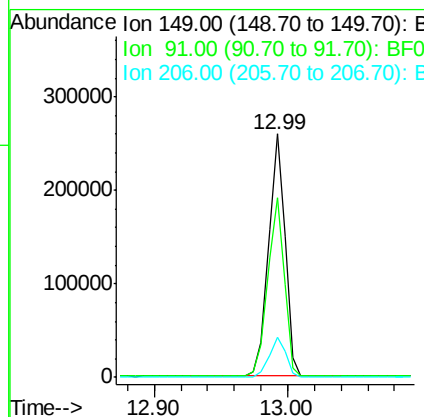
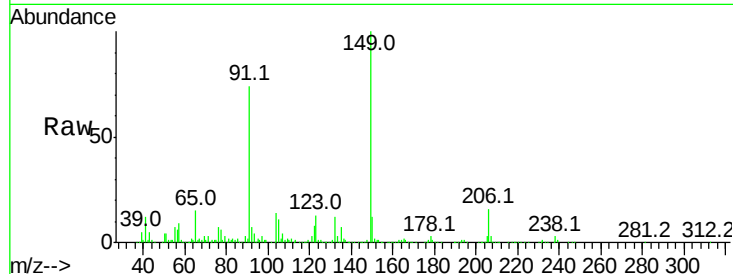
#79
 Butylbenzylphthalate
 Concen: 29.189 ng
 RT: 12.99 min Scan# 1905
 Delta R.T. -0.08 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	222515		
91	73.8	45.0	67.4#	
206	16.4	17.0	25.6#	

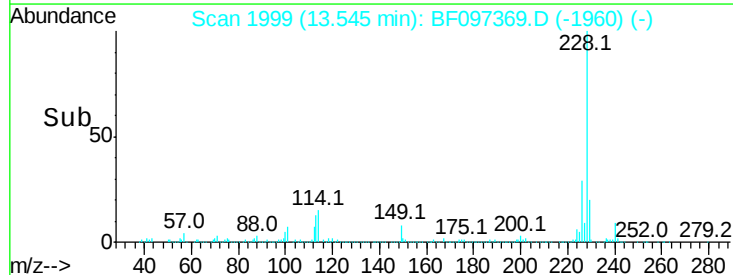
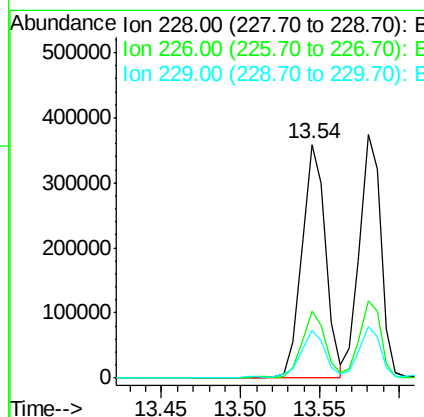
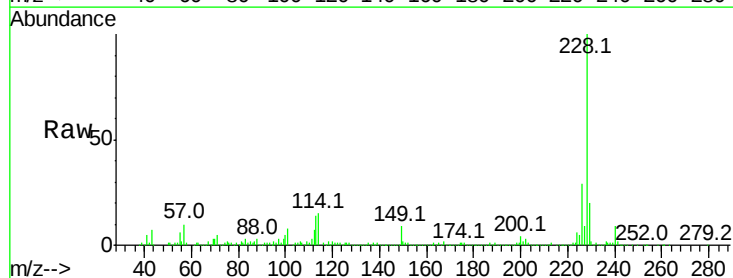
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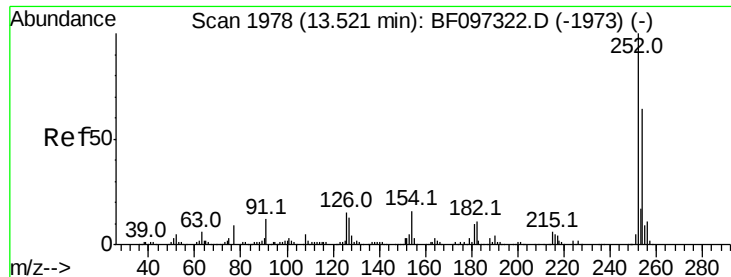
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#80
 Benzo(a)anthracene
 Concen: 31.249 ng
 RT: 13.54 min Scan# 1999
 Delta R.T. -0.07 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	370138		
226	28.8	22.6	33.8	
229	20.2	16.3	24.5	





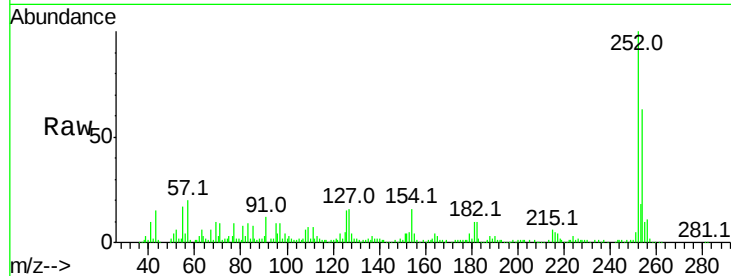
#81
 3,3'-Dichlorobenzidine
 Concen: 23.435 ng
 RT: 13.52 min Scan# 1994
 Delta R.T. -0.07 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

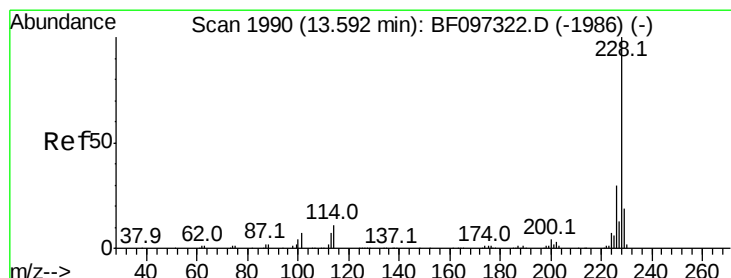
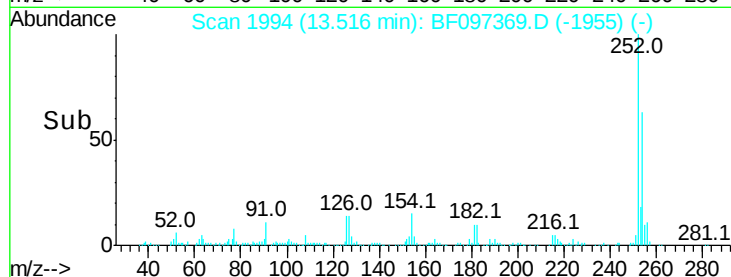
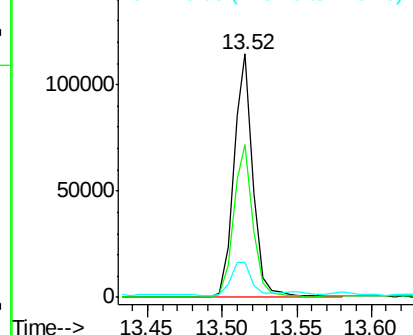
Tot Ion	Ratio	Resp	Lower	Upper
252	100			
254	62.9	51.5	77.3	
126	14.6	15.8	23.8	

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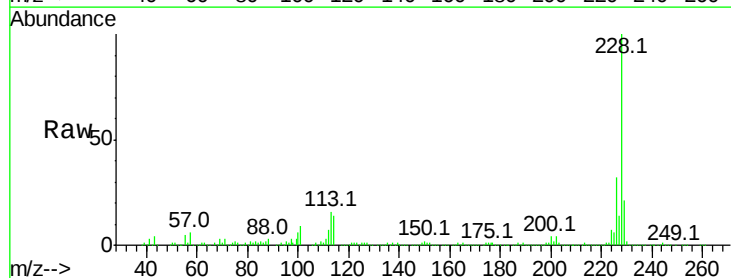


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

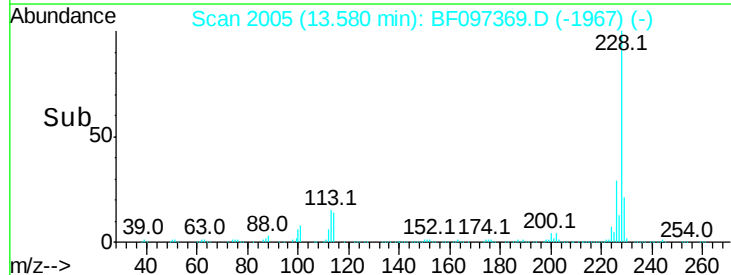
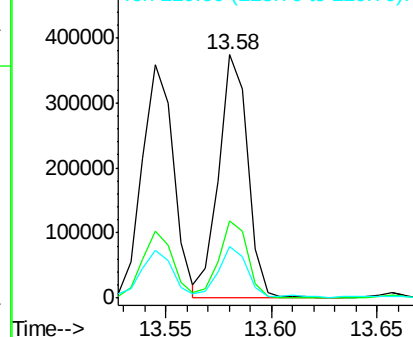


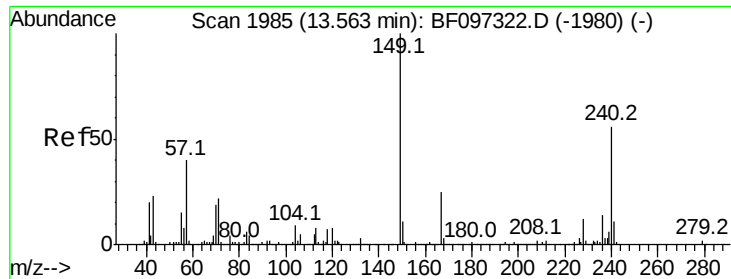
#82
 Chrysene
 Concen: 30.658 ng
 RT: 13.58 min Scan# 2005
 Delta R.T. -0.08 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	31.5	24.9	37.3	
229	21.1	15.8	23.6	



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





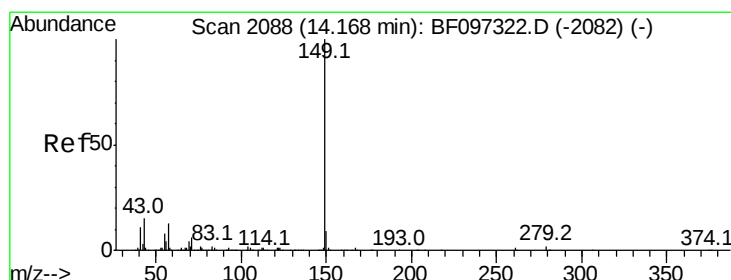
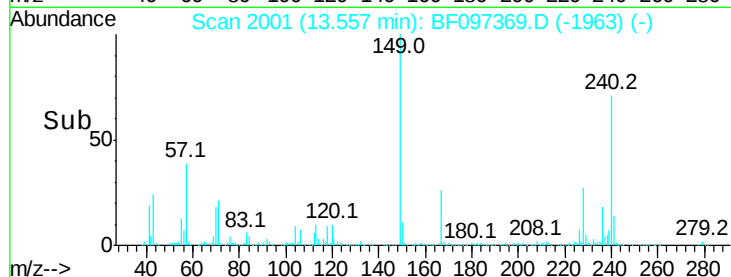
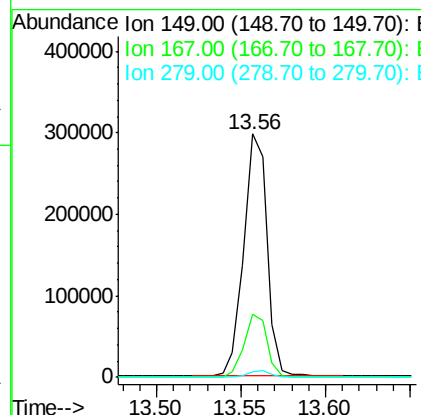
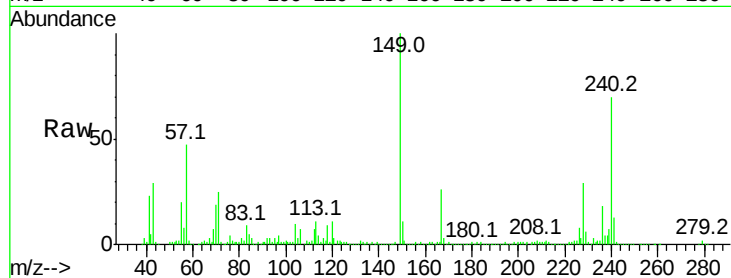
#83
Bis(2-ethylhexyl)phthalate
Concen: 28.672 ng
RT: 13.56 min Scan# 2001
Delta R.T. -0.08 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	285384		
167	26.1		21.0	31.4
279	2.4		1.9	2.9

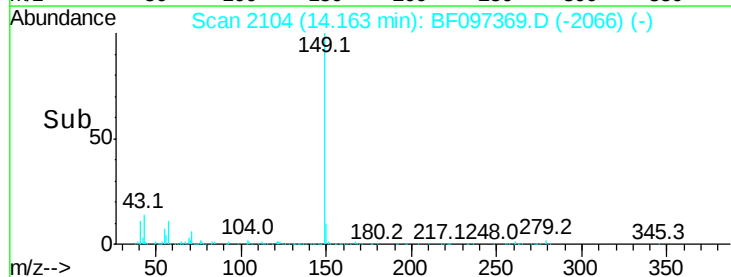
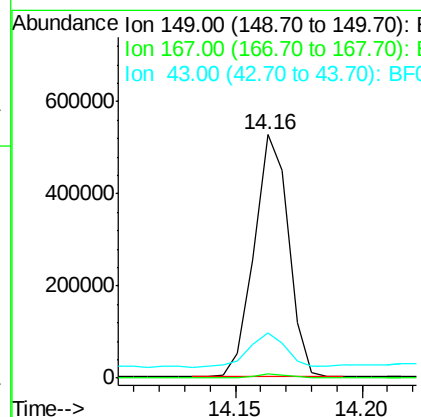
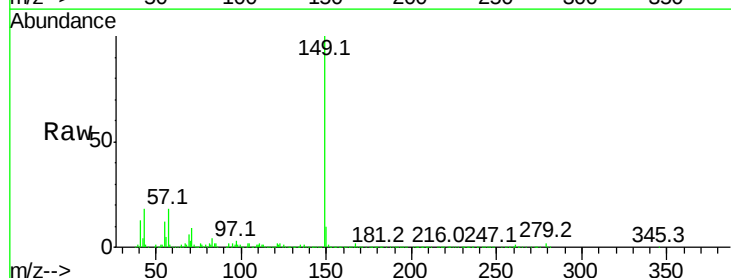
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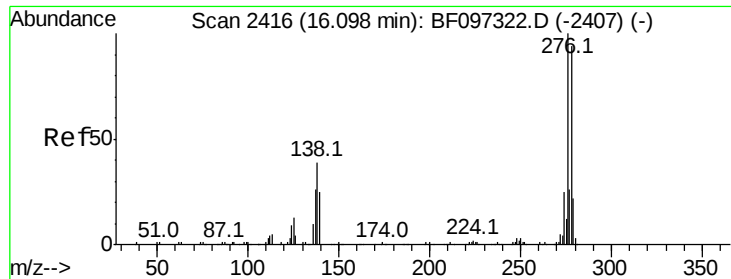
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#84
Di-n-octyl phthalate
Concen: 27.283 ng
RT: 14.16 min Scan# 2104
Delta R.T. -0.08 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	498357		
167	1.6		1.2	1.8
43	15.5		8.5	12.7#





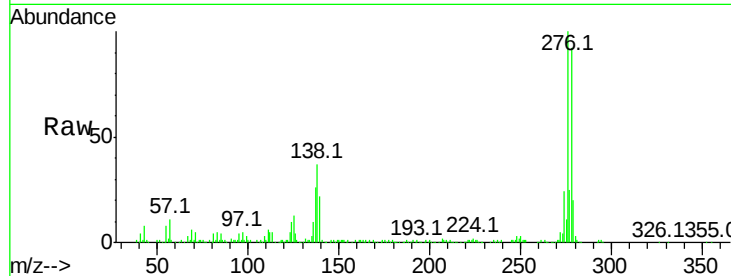
#85
Indeno(1,2,3-cd)pyrene
Concen: 25.303 ng
RT: 16.10 min Scan# 2433
Delta R.T. -0.11 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

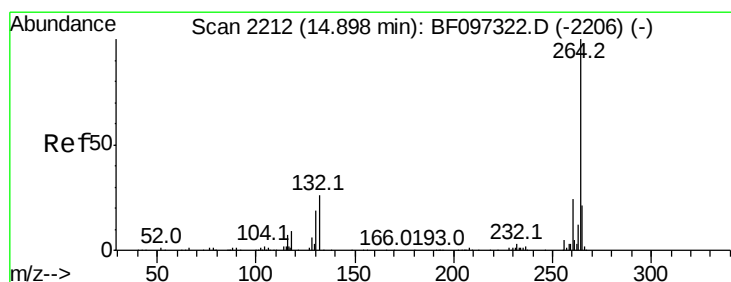
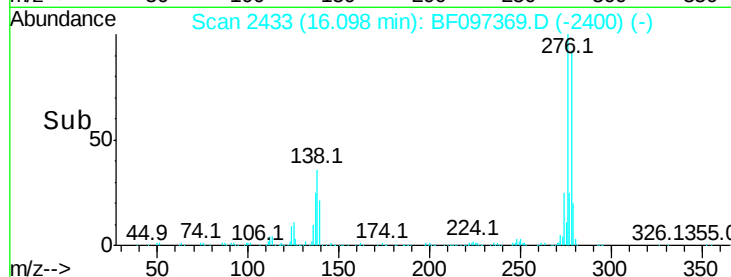
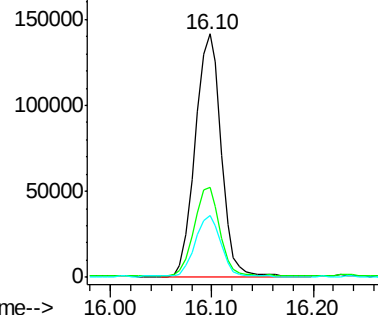
Tot Ion	Ratio	Lower	Upper
276	100		
138	36.1	27.8	41.6
277	25.0	20.2	30.4

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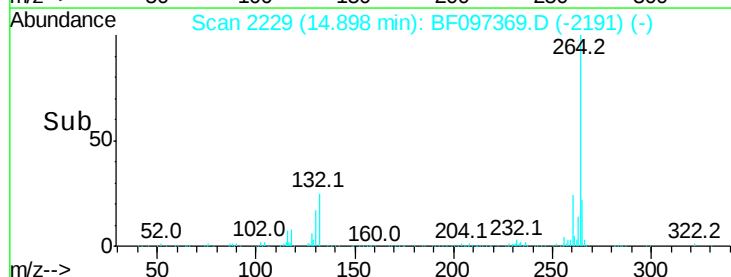
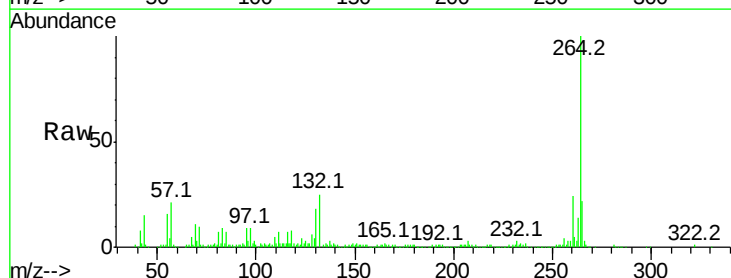
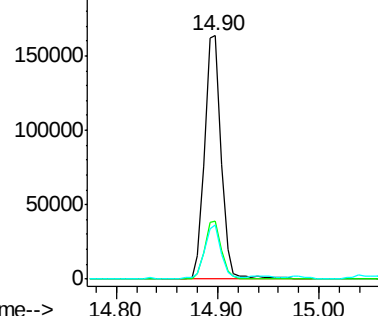
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

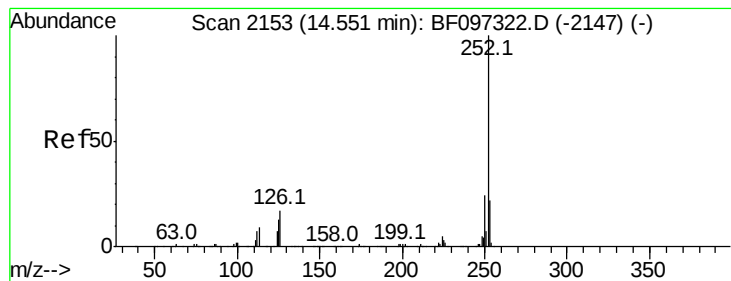


#86
Perylene-d12
Concen: 20.000 ng
RT: 14.90 min Scan# 2229
Delta R.T. -0.08 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.4	17.2	25.8

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





#87

Benzo(b)fluoranthene

Concen: 32.984 ng

RT: 14.54 min Scan# 2169

Delta R.T. -0.07 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

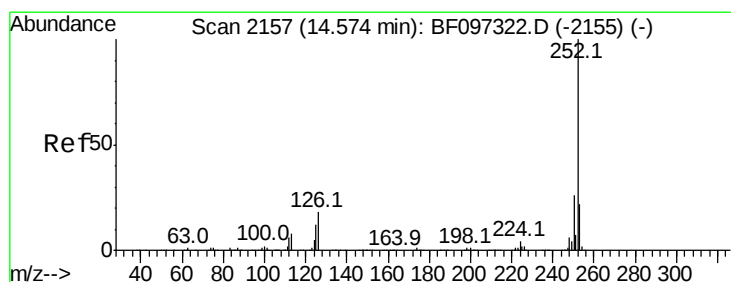
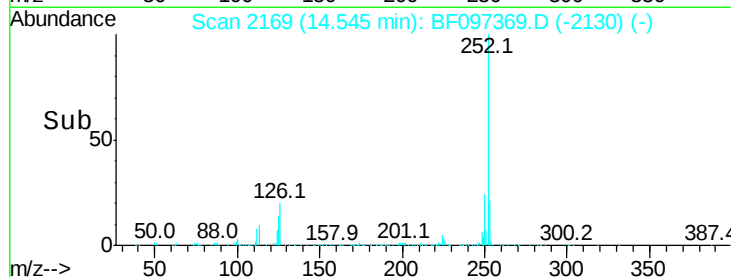
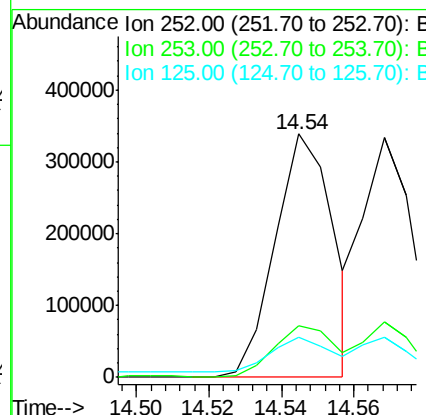
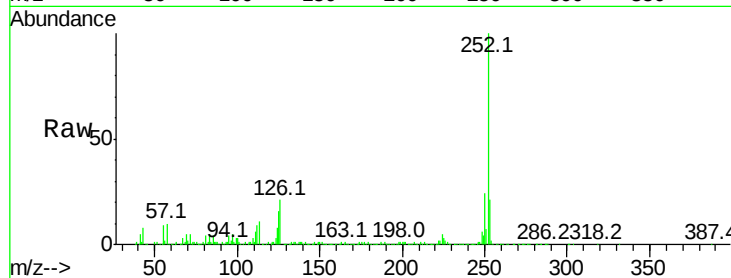
ClientSampleId :

GRAVEL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	373994		
253	21.4	18.1	27.1	
125	16.4	9.8	14.8	

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#88

Benzo(k)fluoranthene

Concen: 29.464 ng

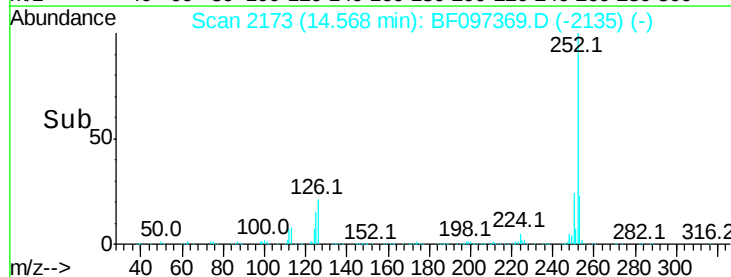
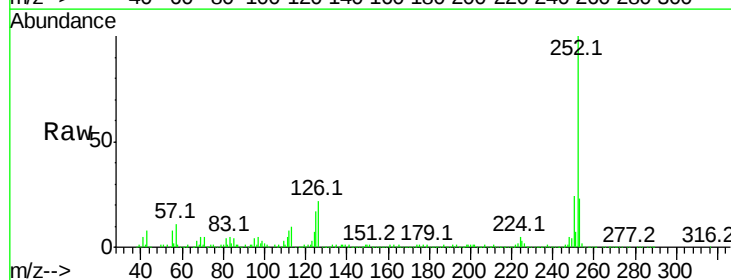
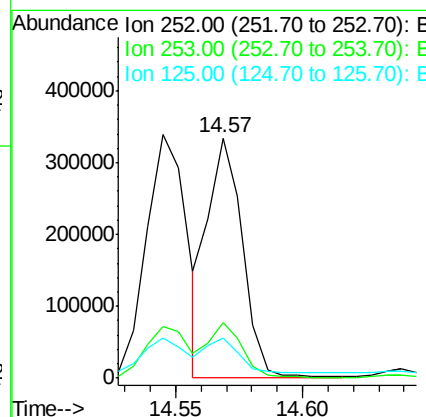
RT: 14.57 min Scan# 2173

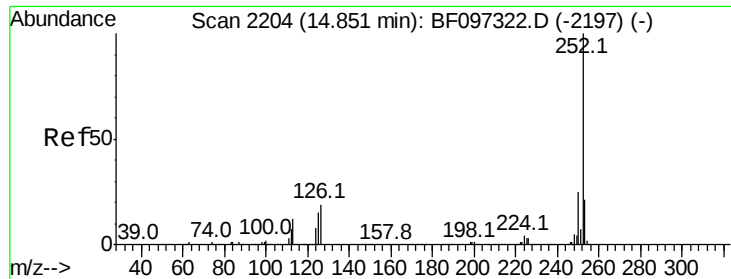
Delta R.T. -0.08 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	318351		
253	23.2	18.4	27.6	
125	16.8	13.1	19.7	





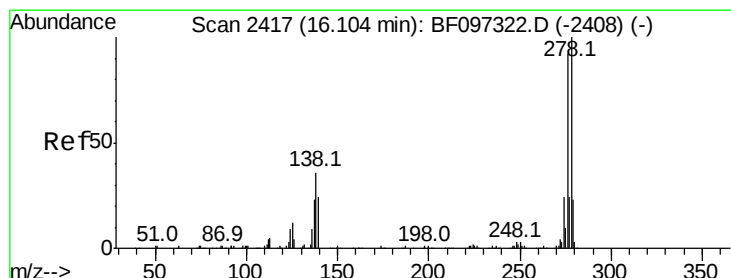
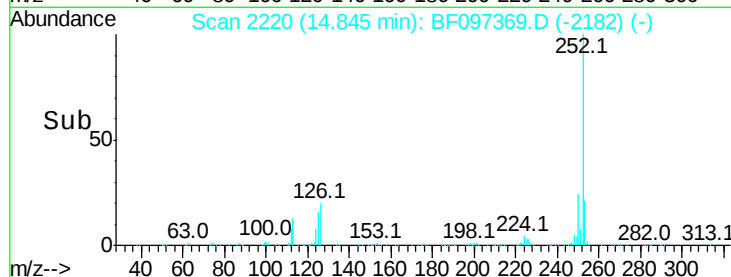
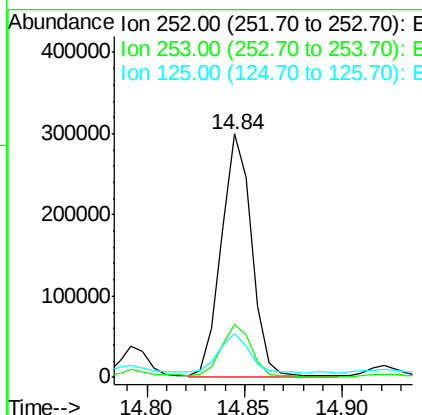
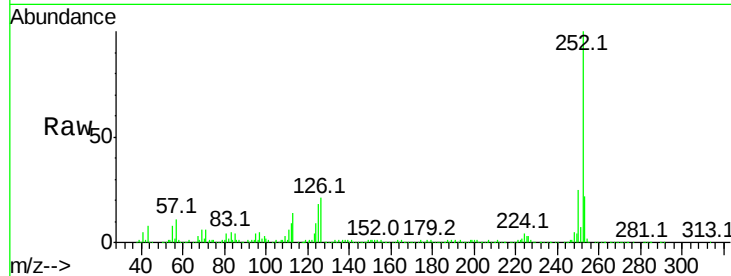
#89
Benzo(a)pyrene
Concen: 31.216 ng
RT: 14.84 min Scan# 2220
Delta R.T. -0.08 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	21.8	17.5	26.3
125	18.0	11.0	16.4

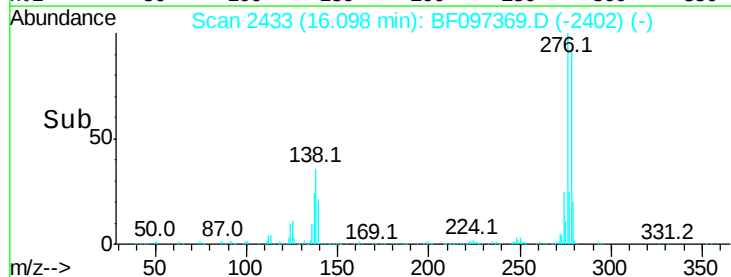
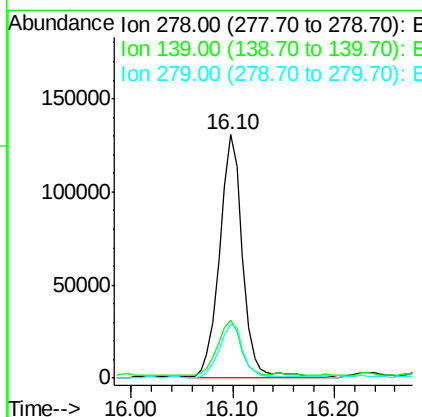
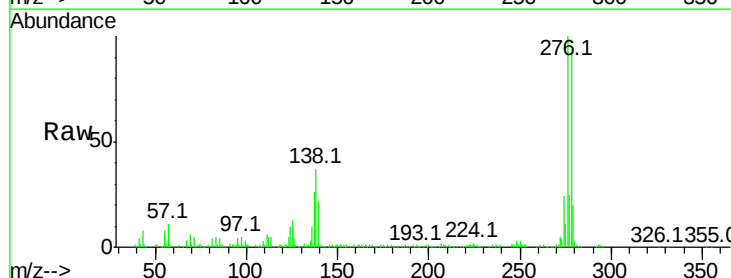
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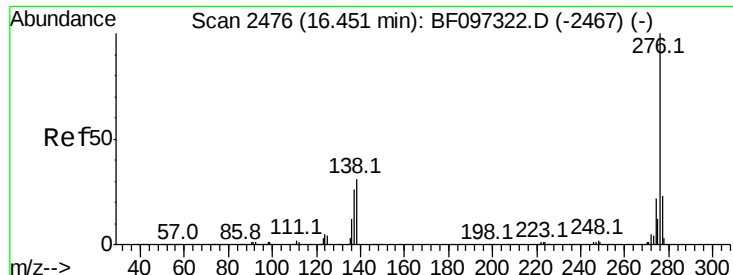
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#90
Dibenzo(a,h)anthracene
Concen: 23.939 ng
RT: 16.10 min Scan# 2433
Delta R.T. -0.12 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	23.9	16.6	24.8
279	22.2	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 23.330 ng
 RT: 16.45 min Scan# 2493
 Delta R.T. -0.12 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	25.0	18.6	28.0		
138	32.6	25.4	38.0		

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