

Data Path : Z:\HPCHEM1\BNA F\Data\BF080417\
 Data File : BF097368.D
 Acq On : 4 Aug 2017 21:03
 Operator : SJ/JU
 Sample : I4591-04MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMS

Manual Integrations
 APPROVED

Quant Time: Aug 07 11:57:42 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	113059	20.00	ng	-0.06
21) Naphthalene-d8	7.72	136	468365	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	189297	20.00	ng	-0.07
63) Phenanthrene-d10	10.93	188	297401	20.00	ng	-0.07
75) Chrysene-d12	13.56	240	171192	20.00	ng	-0.07
86) Perylene-d12	14.89	264	167914	20.00	ng	-0.08

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System Monitoring Compounds

5) 2-Fluorophenol	5.05	112	792659	105.69	ng	-0.05
7) Phenol-d6	6.12	99	806757	94.23	ng	-0.05
23) Nitrobenzene-d5	7.02	82	525305	65.80	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	131409	87.86	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	712645	63.89	ng	-0.07
78) Terphenyl-d14	12.52	244	454486	54.13	ng	-0.07

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Target Compounds

						Qvalue
2) 1,4-Dioxane	1.99	88	95663	30.566	ng	# 76
3) Pyridine	2.60	79	312723	32.631	ng	# 63
4) n-Nitrosodimethylamine	2.55	42	191965	36.156	ng	80
6) Aniline	6.10	93	201978	18.746	ng	98
8) 2-Chlorophenol	6.23	128	275098	34.304	ng	93
9) Benzaldehyde	5.98	77	135142	26.666	ng	95
10) Phenol	6.13	94	339923	33.471	ng	96
11) bis(2-Chloroethyl)ether	6.19	93	239879	29.864	ng	90
12) 1,3-Dichlorobenzene	6.38	146	274931	31.812	ng	99
13) 1,4-Dichlorobenzene	6.46	146	270909	31.631	ng	95
14) 1,2-Dichlorobenzene	6.61	146	239463	32.022	ng	98
15) Benzyl Alcohol	6.60	79	223085	41.154	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.73	45	622704	38.652	ng	93
17) 2-Methylphenol	6.75	107	237349	38.348	ng	98
18) Hexachloroethane	6.95	117	92609	29.556	ng	# 78
19) n-Nitroso-di-n-propylamine	6.87	70	217252	38.549	ng	# 80
20) 3+4-Methylphenols	6.90	107	309524	38.290	ng	# 61
22) Acetophenone	6.86	105	409100	36.372	ng	# 97
24) Nitrobenzene	7.03	77	277770	33.406	ng	92
25) Isophorone	7.27	82	499792	31.965	ng	98
26) 2-Nitrophenol	7.35	139	134554	29.910	ng	# 86
27) 2,4-Dimethylphenol	7.42	122	259076	34.912	ng	96
28) bis(2-Chloroethoxy)methane	7.49	93	382911	37.528	ng	98
29) 2,4-Dichlorophenol	7.61	162	238739	37.345	ng	95
30) 1,2,4-Trichlorobenzene	7.67	180	197791	32.459	ng	98
31) Naphthalene	7.75	128	766281	34.708	ng	99
33) 4-Chloroaniline	7.81	127	122654	13.653	ng	98
34) Hexachlorobutadiene	7.87	225	98079	30.361	ng	98
35) Caprolactam	8.18	113	79765m	38.911	ng	
36) 4-Chloro-3-methylphenol	8.32	107	237183	34.007	ng	90
37) 2-Methylnaphthalene	8.43	142	491624	35.169	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.60	216	176350	34.914	ng	99
40) Hexachlorocyclopentadiene	8.59	237	19941	16.951	ng	99
42) 2,4,6-Trichlorophenol	8.73	196	119923	32.763	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) 2,4,5-Trichlorophenol	8.78	196	114910	31.365	nq	98	
45) 1,1'-Biphenyl	8.90	154	539421	33.362	nq	98	
46) 2-Chloronaphthalene	8.92	162	414293	34.820	nq	94	
47) 2-Nitroaniline	9.03	65	163990	37.978	nq	97	
48) Acenaphthylene	9.33	152	615919	33.725	nq	98	
49) Dimethylphthalate	9.20	163	691696	48.118	nq	100	
50) 2,6-Dinitrotoluene	9.27	165	111219	36.479	nq	#	66
51) Acenaphthene	9.50	154	365123	33.941	nq	99	
52) 3-Nitroaniline	9.44	138	111186	29.381	nq	91	
54) Dibenzofuran	9.67	168	531411	37.087	nq	96	
55) 4-Nitrophenol	9.65	139	82741m	36.766	nq		
56) 2,4-Dinitrotoluene	9.68	165	126676	36.143	nq	#	84
57) Fluorene	10.01	166	389970	36.211	nq	99	
58) 2,3,4,6-Tetrachlorophenol	9.80	232	89902	35.540	nq	98	
59) Diethylphthalate	9.90	149	488459	37.038	nq	98	
60) 4-Chlorophenyl-phenylether	10.00	204	158616	35.667	nq	100	
61) 4-Nitroaniline	10.05	138	114399	31.815	nq	91	
62) Azobenzene	10.16	77	458183	37.450	nq	92	
64) 4,6-Dinitro-2-methylphenol	10.10	198	6944	3.758	nq	85	
65) n-Nitrosodiphenylamine	10.13	169	382850	36.998	nq	98	
66) 4-Bromophenyl-phenylether	10.49	248	103189	34.768	nq	93	
67) Hexachlorobenzene	10.56	284	100610	30.229	nq	#	84
68) Atrazine	10.66	200	109426	36.878	nq	95	
69) Pentachlorophenol	10.76	266	59664	43.326	nq	97	
70) Phenanthrene	10.96	178	558321	35.038	nq	99	
71) Anthracene	11.01	178	551750	33.807	nq	99	
72) Carbazole	11.17	167	540333	33.663	nq	98	
73) Di-n-butylphthalate	11.52	149	680573	34.301	nq	98	
74) Fluoranthene	12.14	202	501898	32.151	nq	99	
76) Benzidine	12.27	184	90381	14.229	nq	97	
77) Pyrene	12.36	202	492794	35.162	nq	99	
79) Butylbenzylphthalate	12.99	149	228317	32.026	nq	#	81
80) Benzo(a)anthracene	13.54	228	369658	33.372	nq	100	
81) 3,3'-Dichlorobenzidine	13.52	252	106492	25.494	nq	#	97
82) Chrysene	13.58	228	362047	33.473	nq	99	
83) Bis(2-ethylhexyl)phthalate	13.56	149	295769	31.776	nq	100	
84) Di-n-octyl phthalate	14.16	149	516874	30.259	nq	#	91
85) Indeno(1,2,3-cd)pyrene	16.10	276	267857	28.881	nq	98	
87) Benzo(b)fluoranthene	14.54	252	349776	34.653	nq	97	
88) Benzo(k)fluoranthene	14.57	252	295917	30.766	nq	97	
89) Benzo(a)pyrene	14.84	252	308668	33.413	nq	98	
90) Dibenzo(a,h)anthracene	16.10	278	219746	29.007	nq	95	
91) Benzo(g,h,i)perylene	16.44	276	220698	27.781	nq	99	

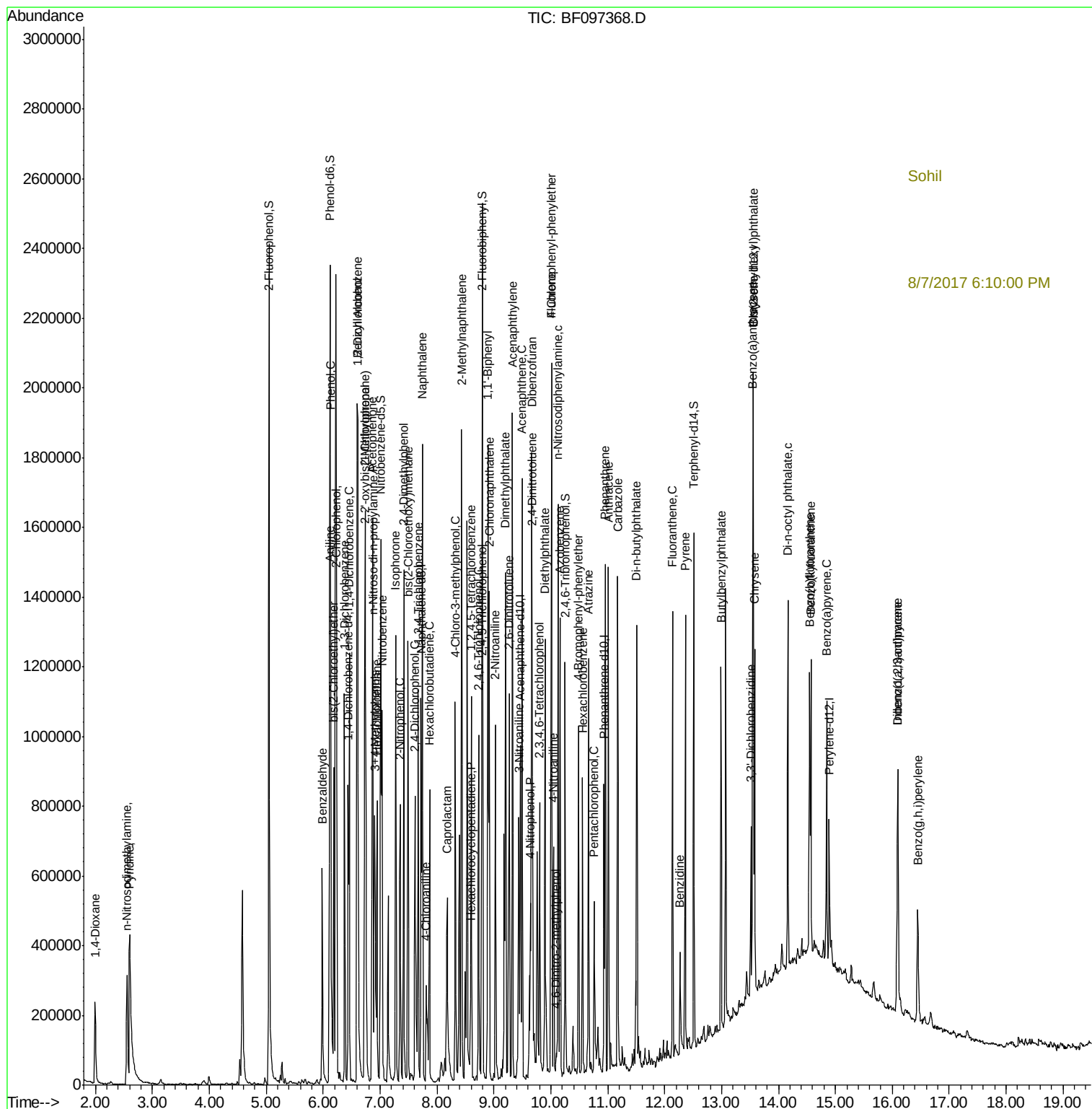
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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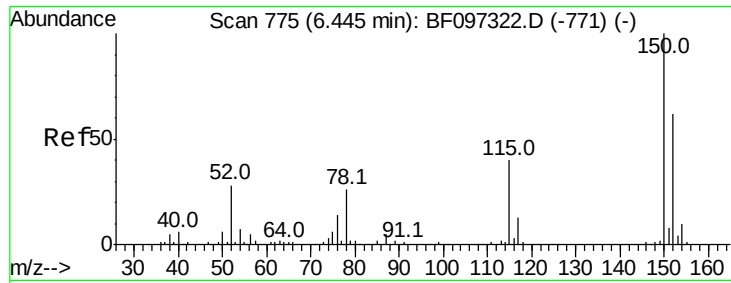
Manual Integrations APPROVED

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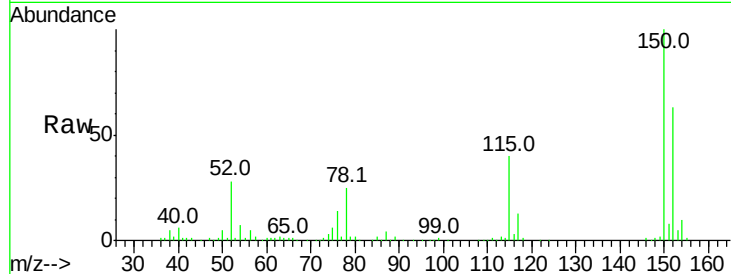
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.44 min Scan# 791
Delta R.T. -0.06 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	126.2	189.2
115	63.9	52.2	78.2

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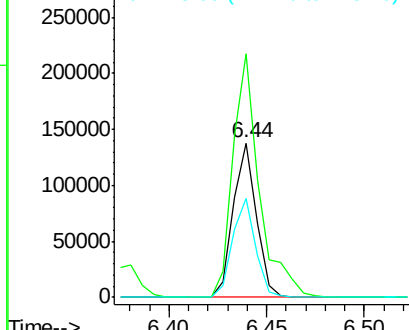


Abundance

Ion 152.00 (151.70 to 152.70): E

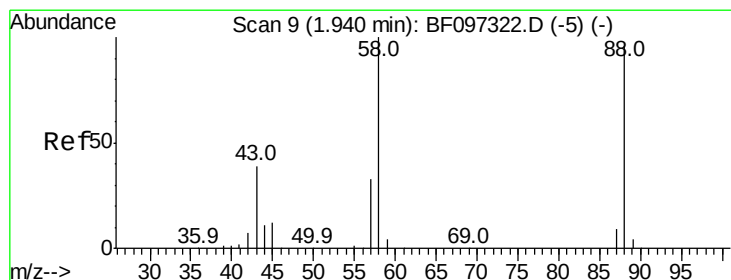
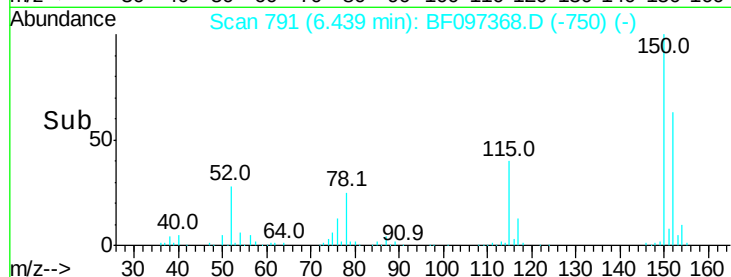
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



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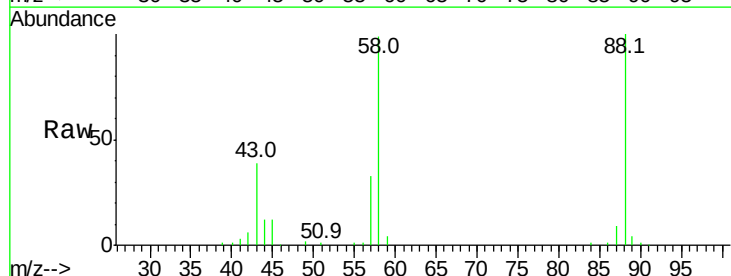
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#2

1,4-Dioxane
Concen: 30.566 ng
RT: 1.99 min Scan# 35
Delta R.T. -0.05 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Lower	Upper
88	100		
58	99.9	61.4	92.0#
43	38.9	23.4	35.0#

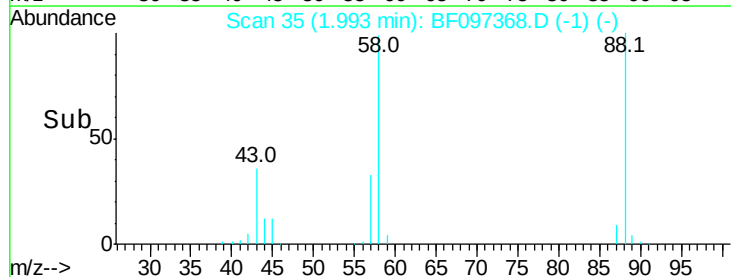
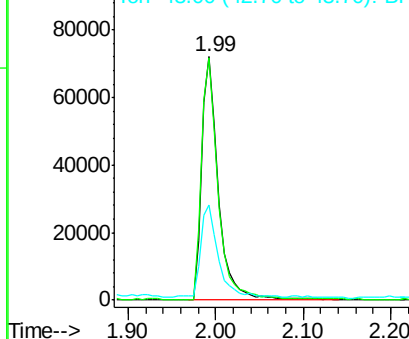


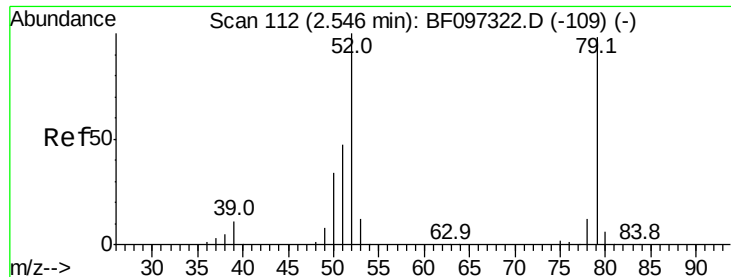
Abundance

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



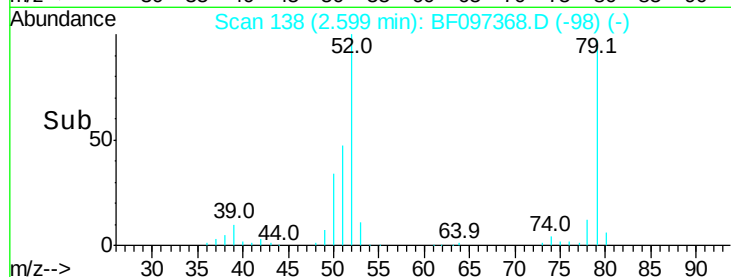
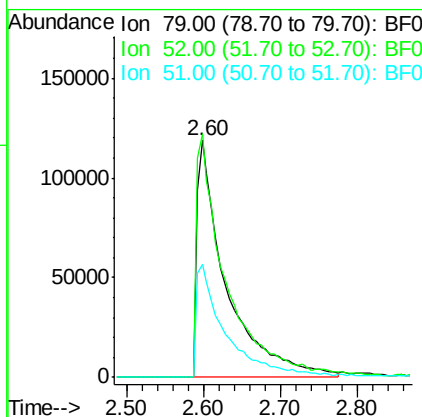
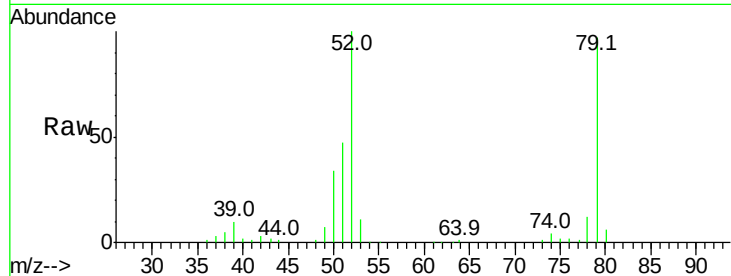


#3
 Pvrindine
 Concen: 32.631 ng
 RT: 2.60 min Scan# 138
 Delta R.T. -0.06 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMS

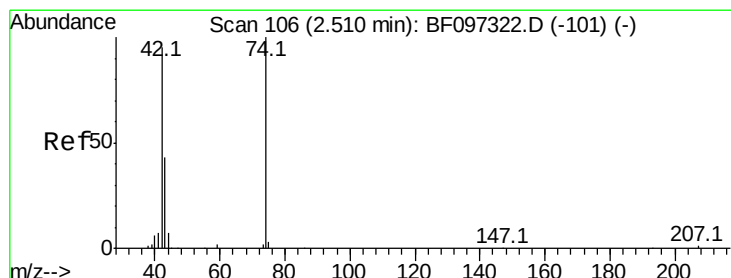
Tot Ion: 79 Resp: 312723
 Ion Ratio Lower Upper
 79 100
 52 102.9 54.8 82.2#
 51 47.9 27.0 40.4#

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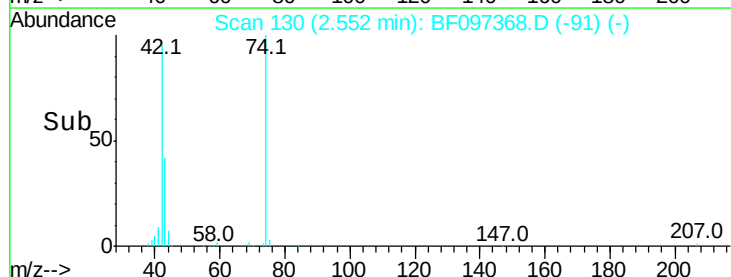
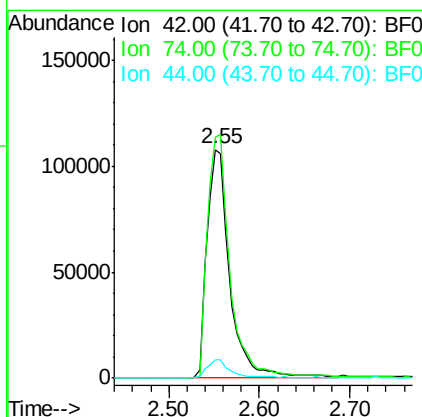
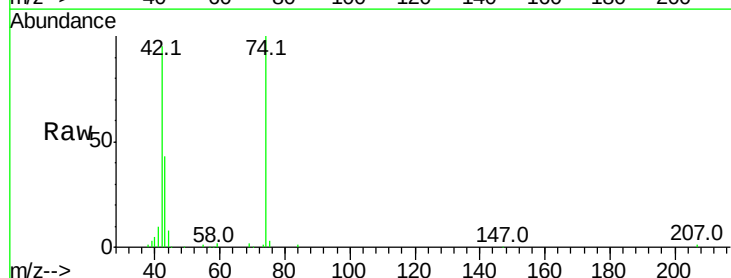
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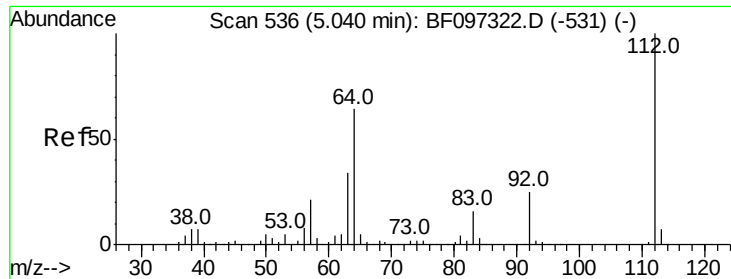
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#4
 n-Nitrosodimethylamine
 Concen: 36.156 ng
 RT: 2.55 min Scan# 130
 Delta R.T. -0.07 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

Tgt Ion: 42 Resp: 191965
 Ion Ratio Lower Upper
 42 100
 74 105.2 103.9 155.9
 44 8.0 5.7 8.5





#5

2-Fluorophenol

Concen: 105.690 ng

RT: 5.05 min Scan# 554

Delta R.T. -0.05 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

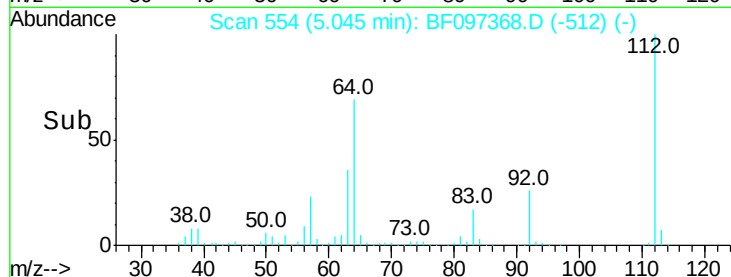
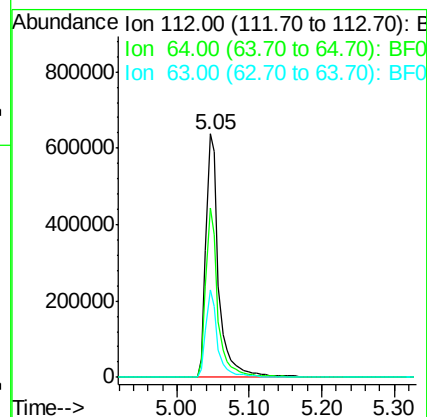
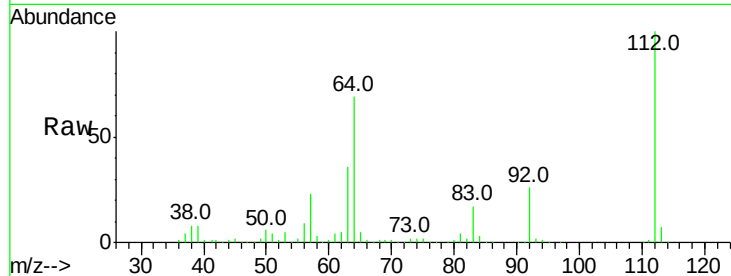
BNA_F

ClientSampleId :

GRAVEL-PILEMS

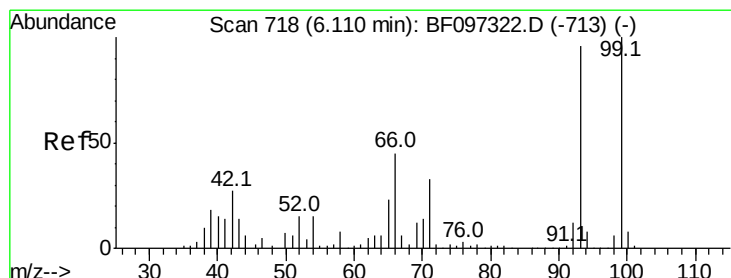
Tot Ion:	112	Resp:	792659
Ion Ratio	Lower	Upper	
112	100		
64	69.4	46.0	69.0#
63	35.9	23.4	35.0#

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#6

Aniline

Concen: 18.746 ng

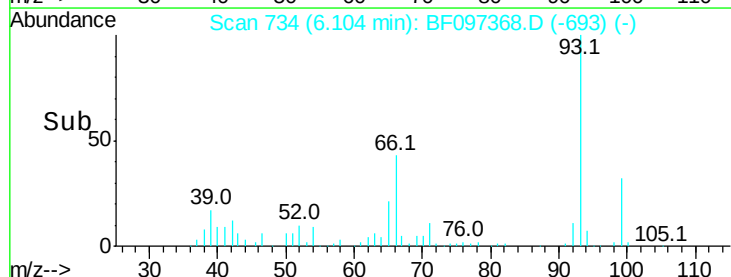
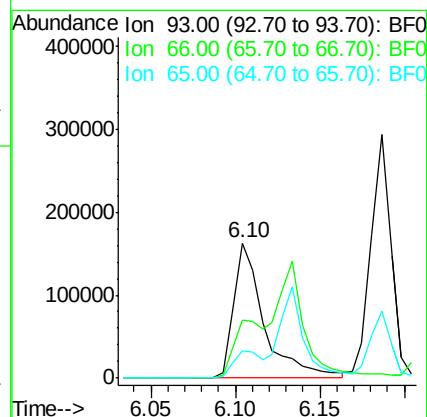
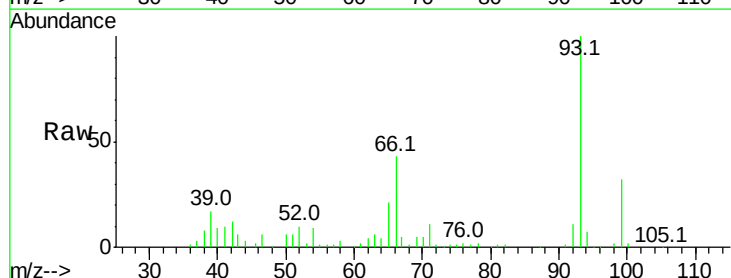
RT: 6.10 min Scan# 734

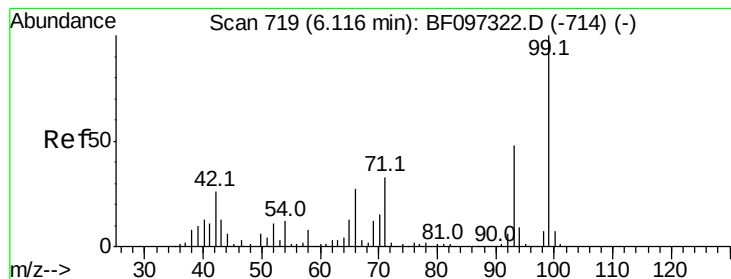
Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Tgt Ion:	93	Resp:	201978
Ion Ratio	Lower	Upper	
93	100		
66	42.8	32.9	49.3
65	20.6	16.0	24.0





#7

Phenol-d6

Concen: 94.226 ng

RT: 6.12 min Scan# 737

Delta R.T. -0.05 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

Tot Ion: 99 Resp: 806757

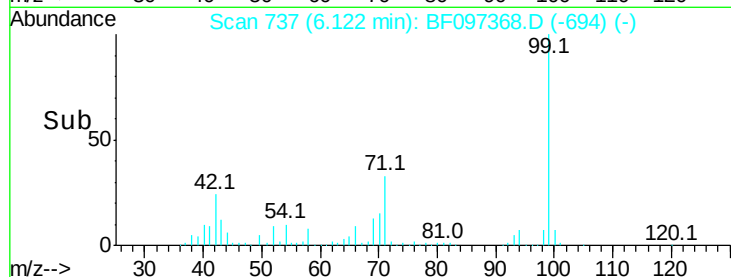
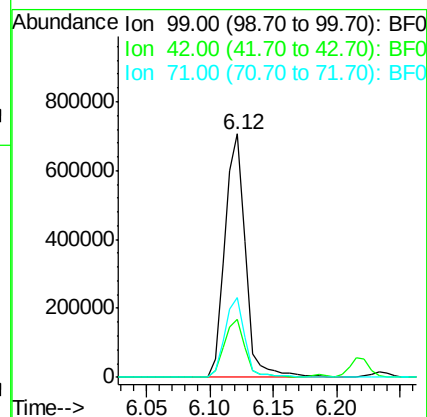
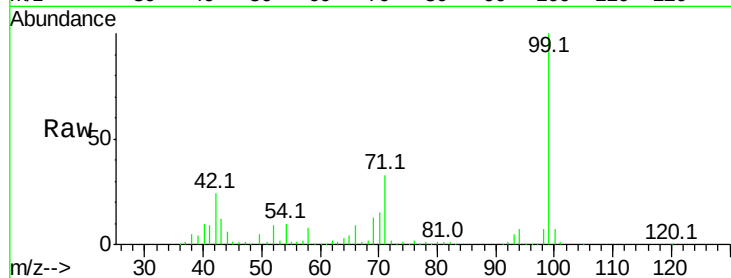
Ion Ratio Lower Upper

99 100

42 23.8 13.5 20.3#

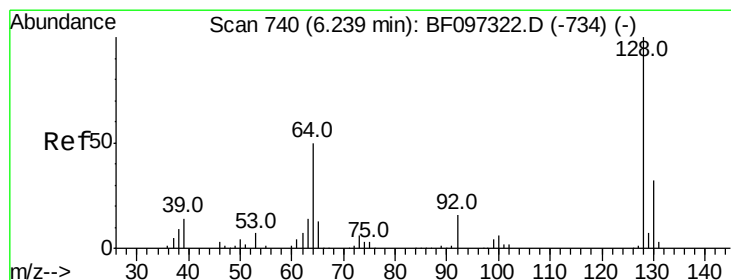
71 32.9 24.5 36.7

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#8

2-Chlorophenol

Concen: 34.304 ng

RT: 6.23 min Scan# 756

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

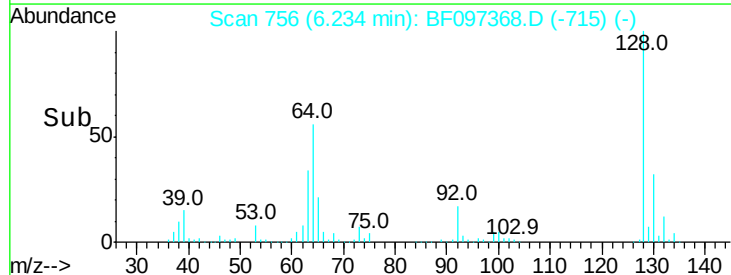
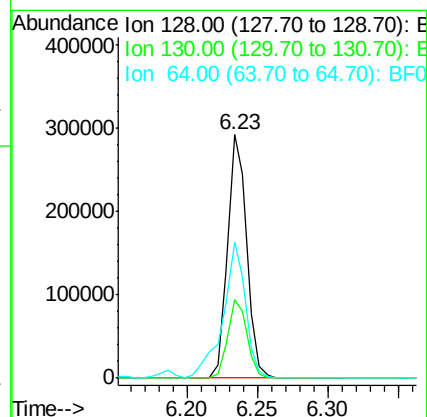
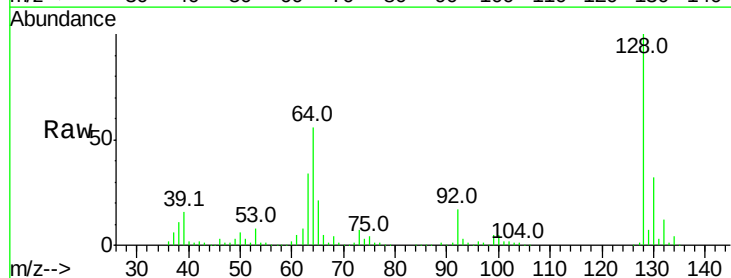
Tgt Ion:128 Resp: 275098

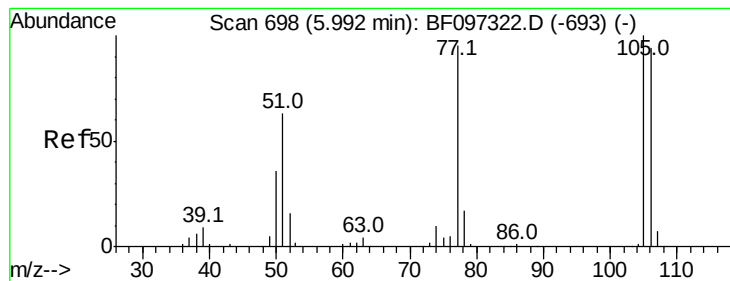
Ion Ratio Lower Upper

128 100

130 32.1 12.9 52.9

64 56.1 28.4 68.4





#9

Benzaldehyde

Concen: 26.666 ng

RT: 5.98 min Scan# 713

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

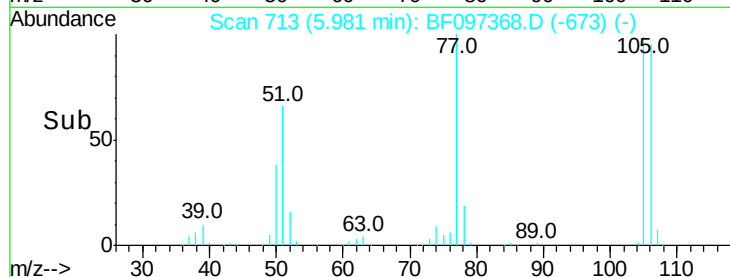
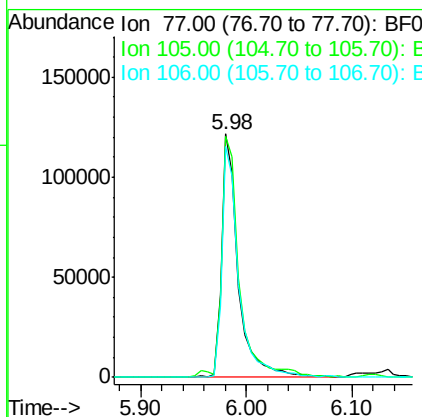
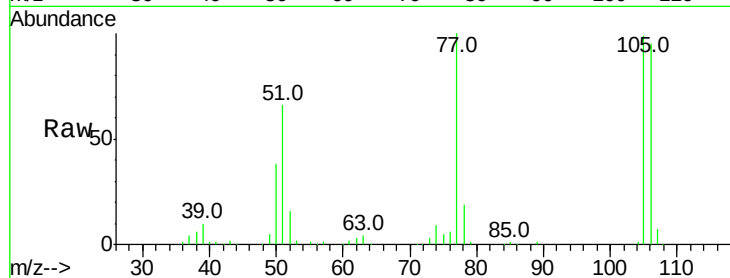
BNA_F

ClientSampled :

GRAVEL-PILEMS

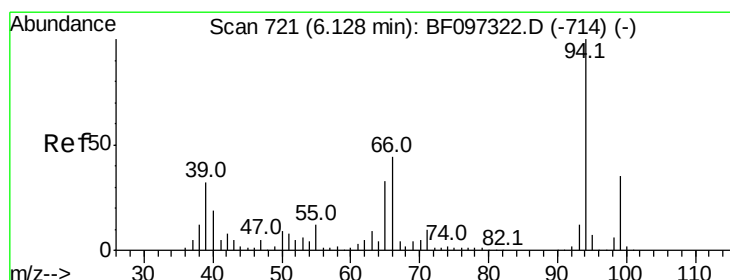
Tot Ion:	77	Resp:	135142
Ion Ratio	Lower	Upper	
77	100		
105	98.9	83.8	123.8
106	94.7	79.1	119.1

Manual Integrations
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#10

Phenol

Concen: 33.471 ng

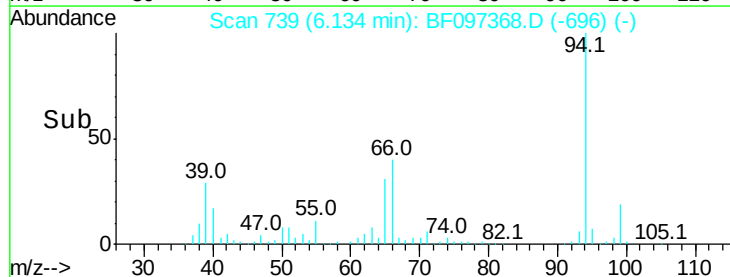
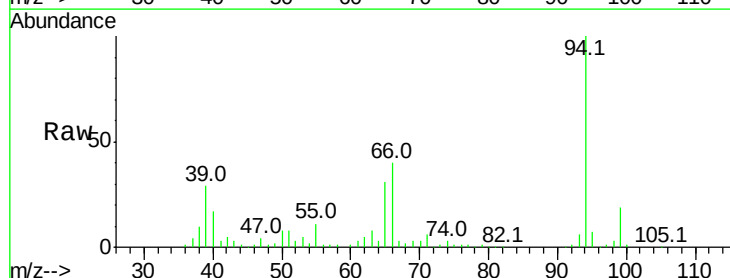
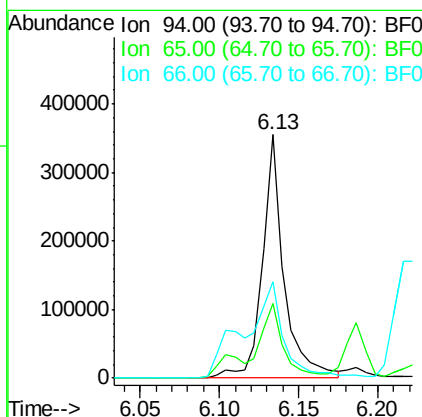
RT: 6.13 min Scan# 739

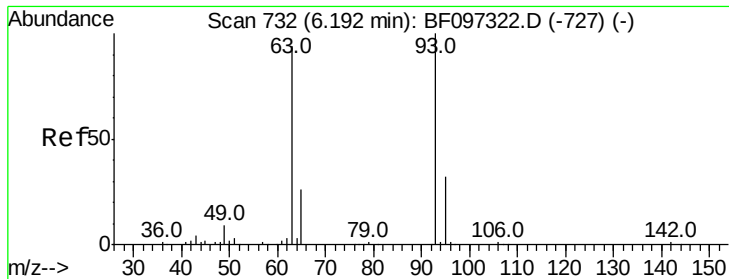
Delta R.T. -0.05 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Tgt Ion:	94	Resp:	339923
Ion Ratio	Lower	Upper	
94	100		
65	30.9	9.9	49.9
66	39.6	23.1	63.1





#11

bis(2-Chloroethyl)ether

Concen: 29.864 ng

RT: 6.19 min Scan# 748

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

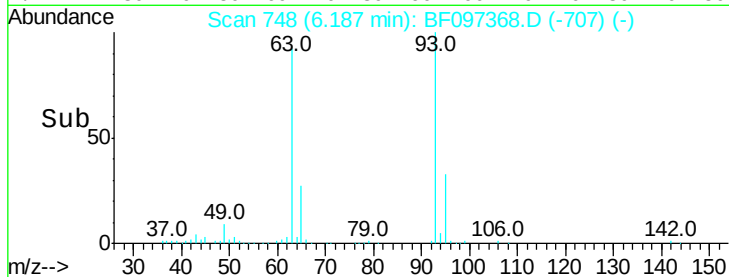
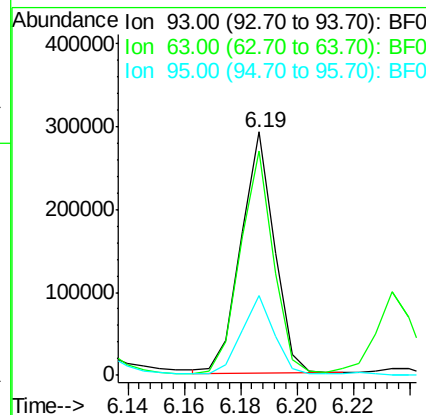
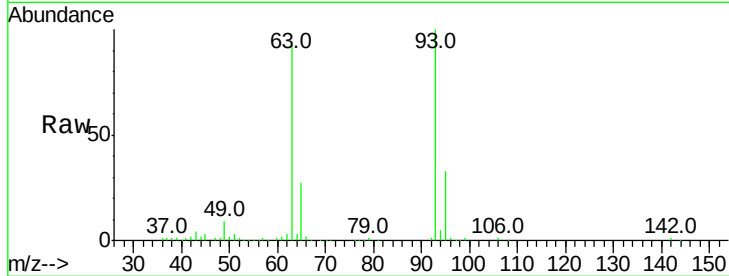
BNA_F

ClientSampleId :

GRAVEL-PILEMS

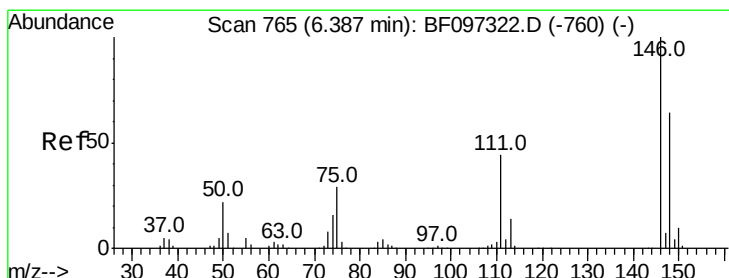
Tot Ion:	93	Resp:	239879
Ion Ratio	Lower	Upper	
93	100		
63	91.9	59.2	99.2
95	32.6	12.8	52.8

Manual Integrations
APPROVED



Sohil

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#12

1,3-Dichlorobenzene

Concen: 31.812 ng

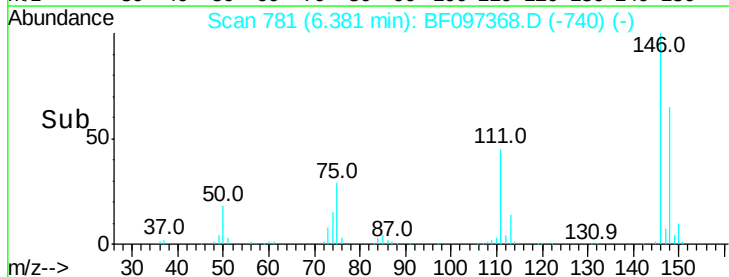
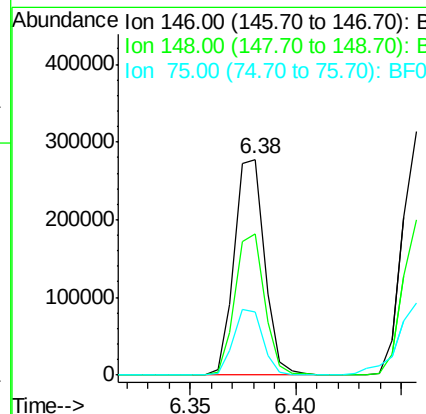
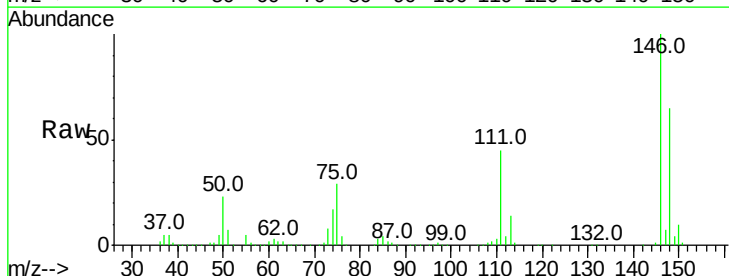
RT: 6.38 min Scan# 781

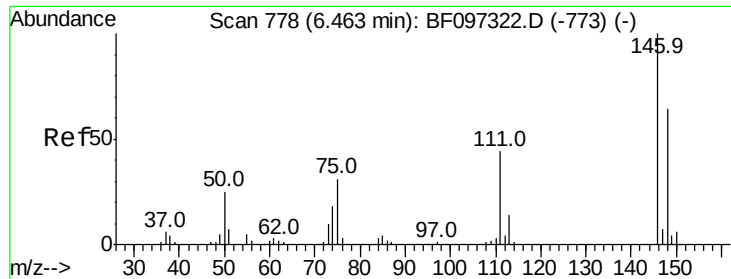
Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Tgt Ion:	146	Resp:	274931
Ion Ratio	Lower	Upper	
146	100		
148	65.5	51.8	77.6
75	29.2	23.1	34.7



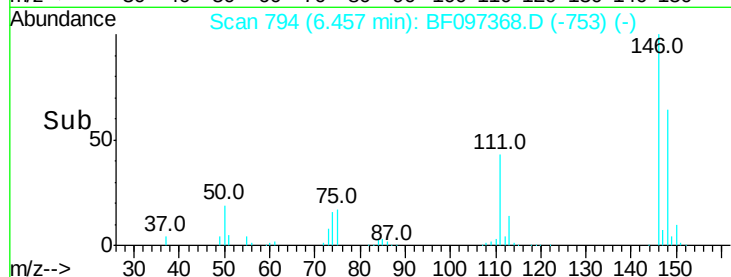
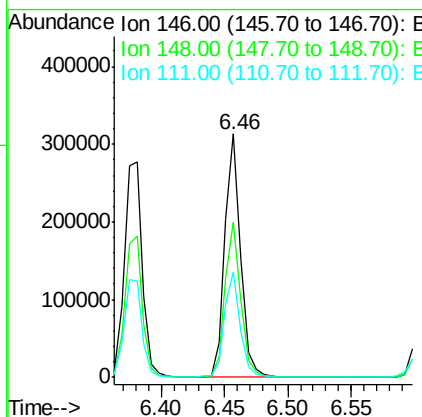
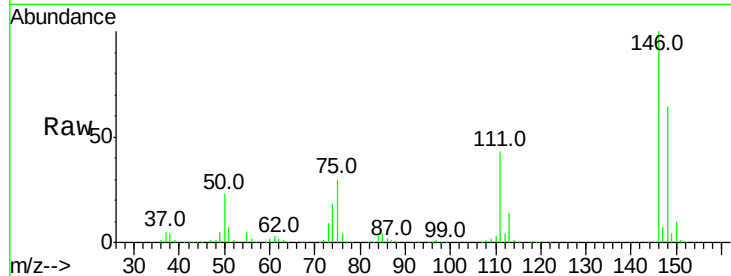


#13
 1,4-Dichlorobenzene
 Concen: 31.631 ng
 RT: 6.46 min Scan# 794
 Delta R.T. -0.06 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMS

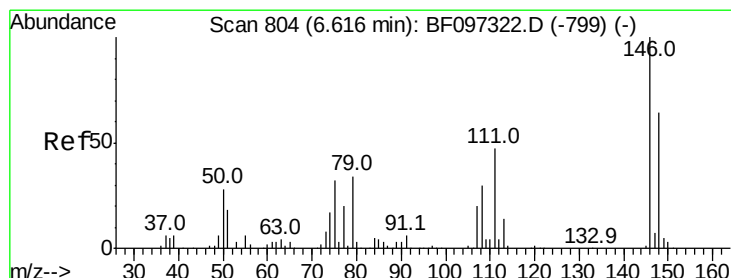
Tot Ion	Ratio	Lower	Upper
146	100		
148	63.5	52.2	78.2
111	43.3	30.3	45.5

Manual Integrations
 APPROVED



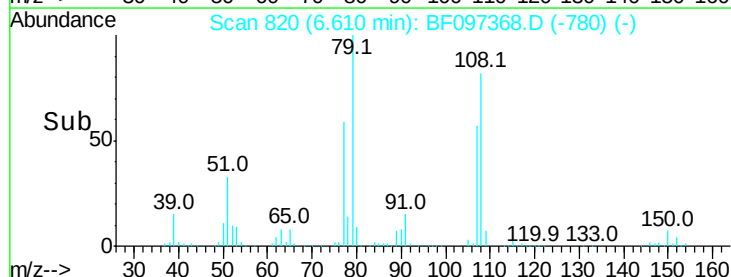
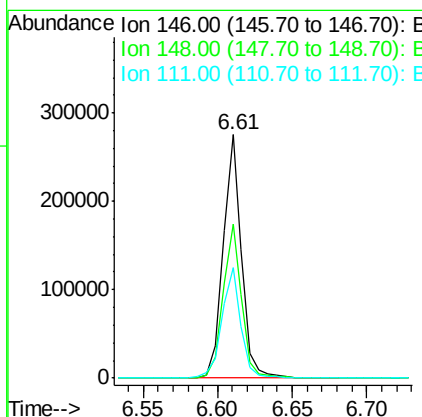
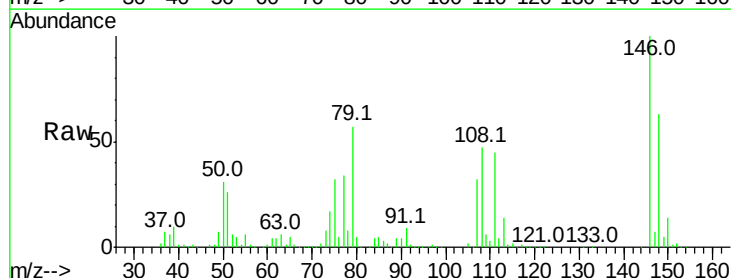
Sohil

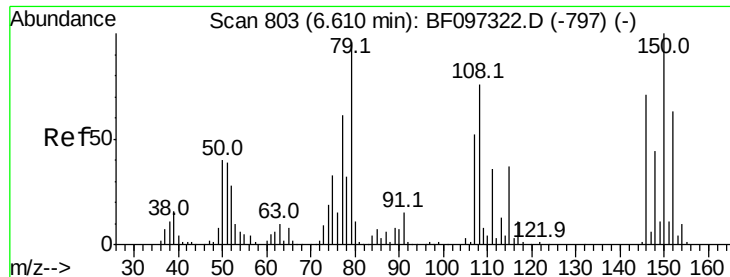
8/7/2017 6:10:00 PM



#14
 1,2-Dichlorobenzene
 Concen: 32.022 ng
 RT: 6.61 min Scan# 820
 Delta R.T. -0.06 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.4	75.6
111	45.1	38.2	57.4



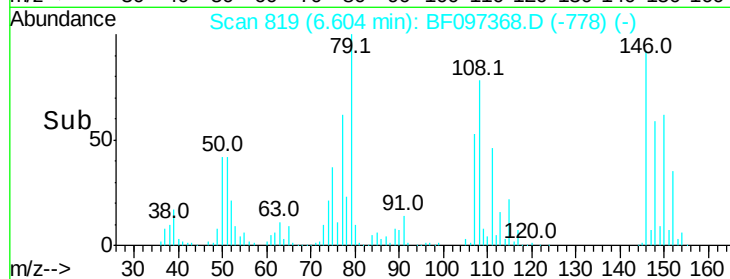
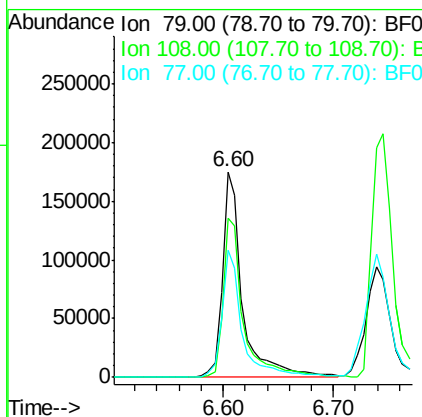
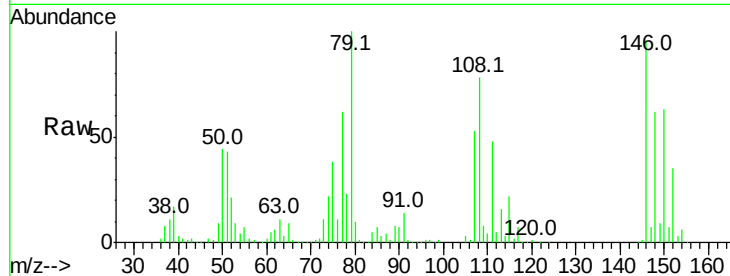


#15
Benzyl Alcohol
Concen: 41.154 ng
RT: 6.60 min Scan# 819
Delta R.T. -0.06 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

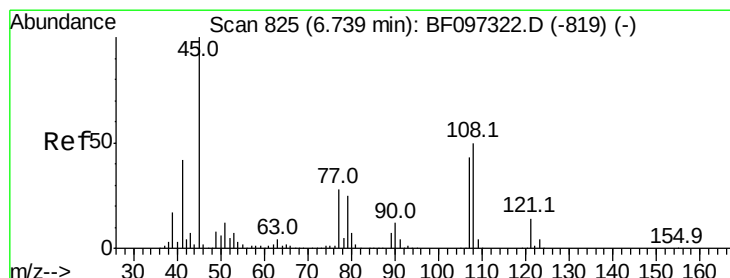
Tot Ion: 79 Resp: 223085
Ion Ratio Lower Upper
79 100
108 77.7 63.4 95.0
77 62.1 49.2 73.8

Manual Integrations
APPROVED



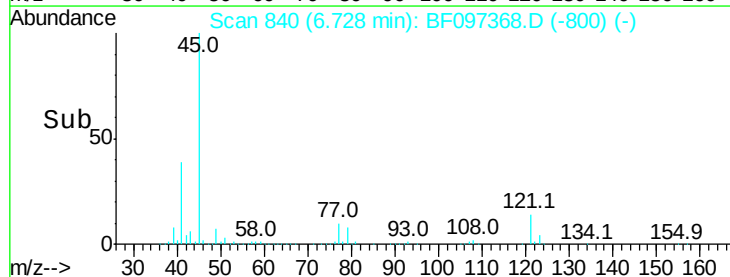
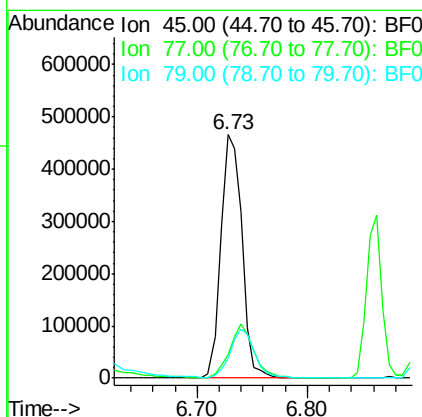
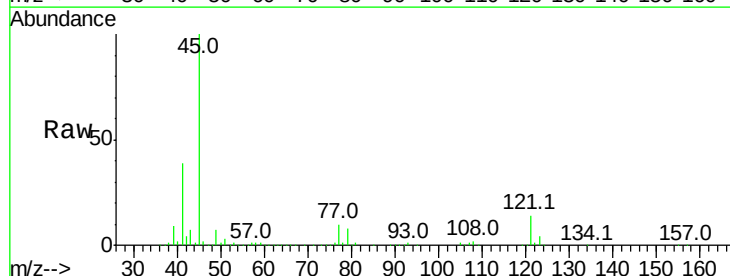
Sohil

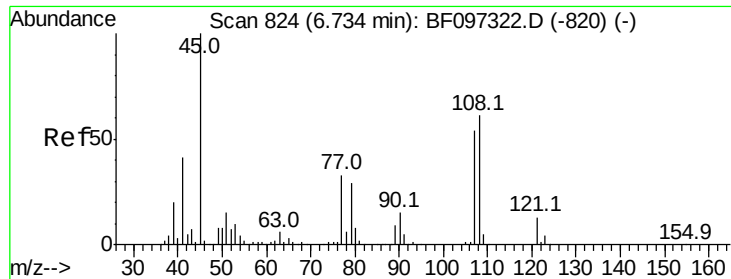
8/7/2017 6:10:00 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.652 ng
RT: 6.73 min Scan# 840
Delta R.T. -0.06 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion: 45 Resp: 622704
Ion Ratio Lower Upper
45 100
77 9.8 0.0 33.2
79 7.8 0.0 30.0



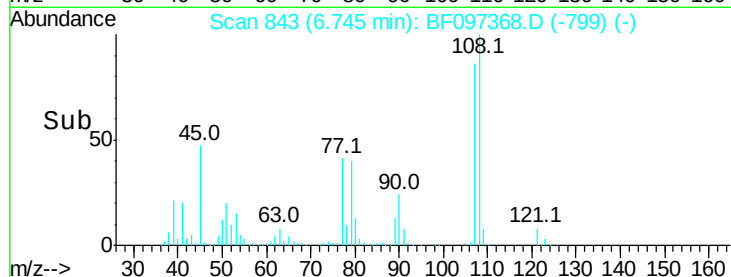
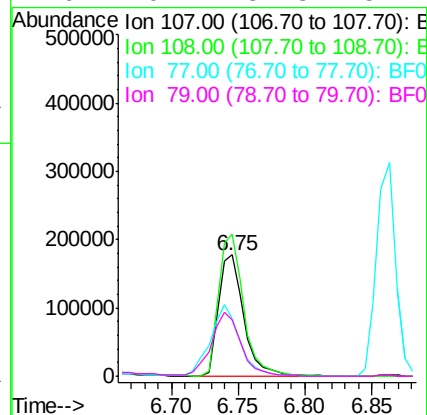
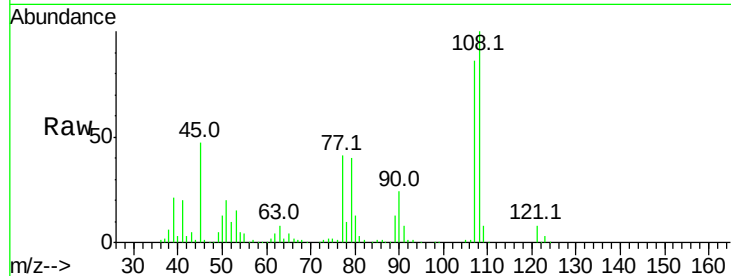


#17
2-Methylphenol
Concen: 38.348 ng
RT: 6.75 min Scan# 843
Delta R.T. -0.04 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

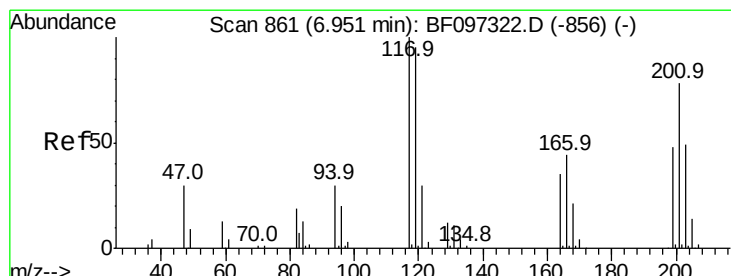
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	116.8	93.4	140.0	
77	48.0	35.8	53.6	
79	46.7	34.8	52.2	

Manual Integrations
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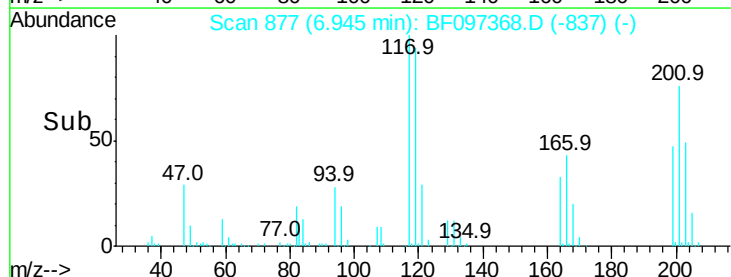
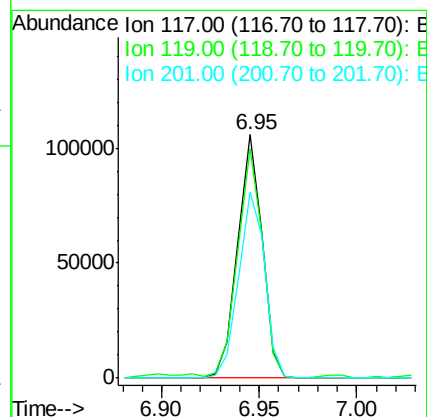
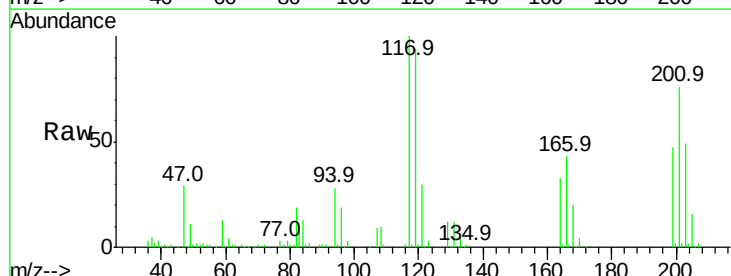
Sohil

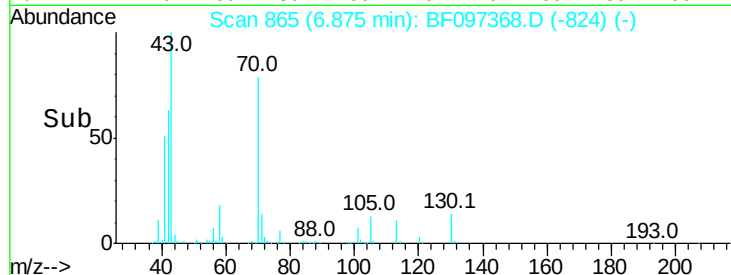
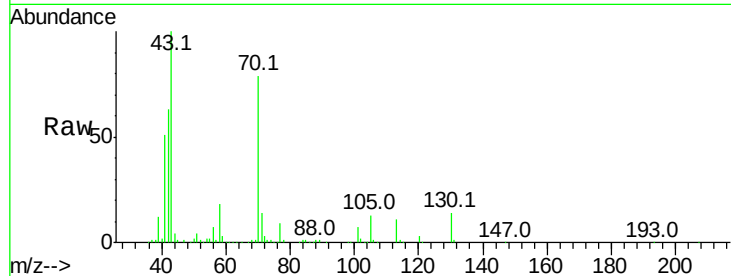
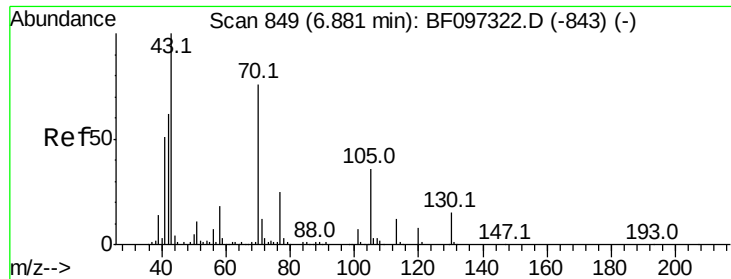
8/7/2017 6:10:00 PM



#18
Hexachloroethane
Concen: 29.556 ng
RT: 6.95 min Scan# 877
Delta R.T. -0.06 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

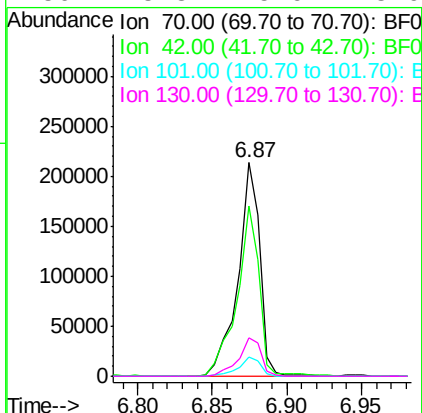
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.2	77.4	116.0	
201	76.3	94.6	141.8#	





#19
n-Nitroso-di-n-propylamine
Concen: 38.549 ng
RT: 6.87 min Scan# 865
Delta R.T. -0.06 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tot Ion	Ratio	Lower	Upper
70	100		
42	79.9	47.2	70.8#
101	9.1	7.2	10.8
130	18.3	15.9	23.9

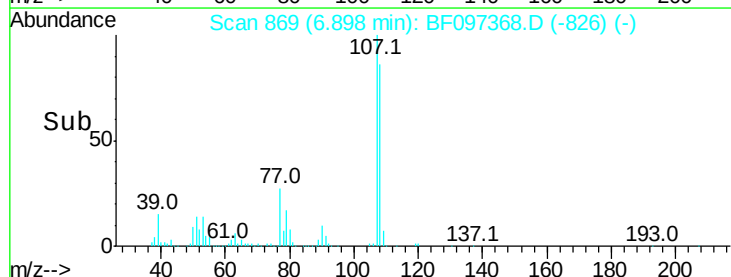
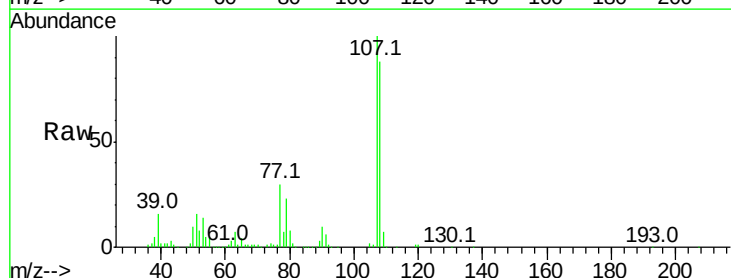
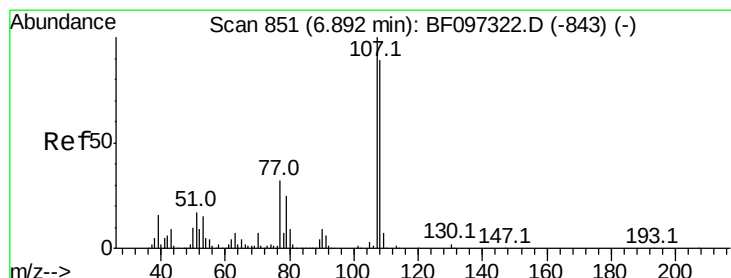


Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

Manual Integrations
APPROVED

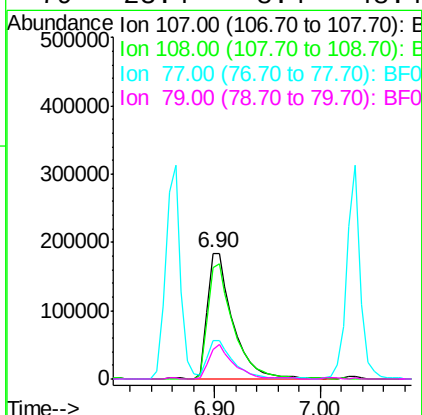
Sohil

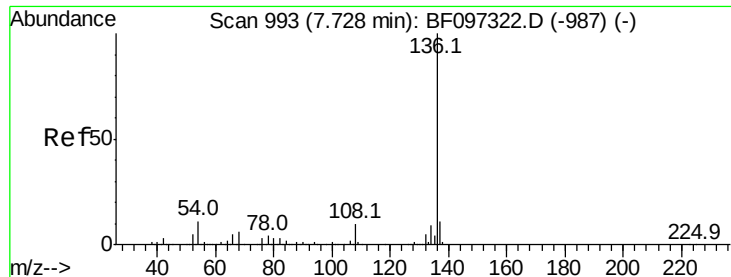
8/7/2017 6:10:00 PM



#20
3+4-Methylphenols
Concen: 38.290 ng
RT: 6.90 min Scan# 869
Delta R.T. -0.05 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.2	71.0	111.0
77	30.5	90.5	130.5#
79	23.4	8.4	48.4



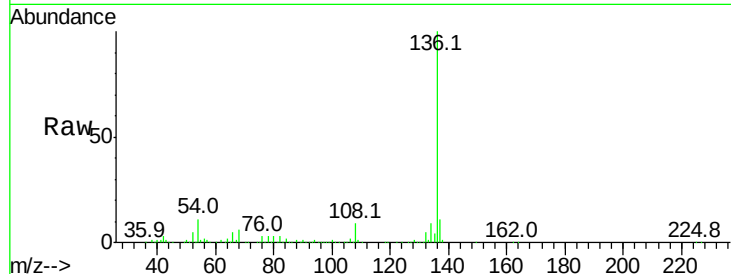


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.72 min Scan# 1009
Delta R.T. -0.06 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

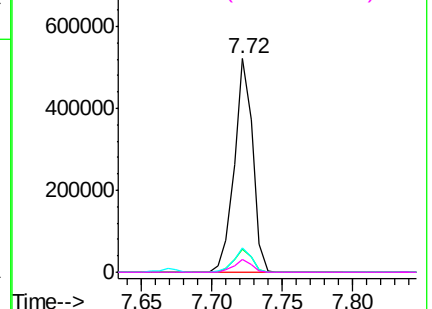
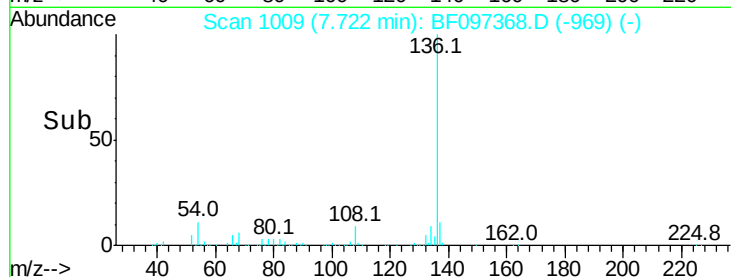
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.5	12.7	
54	11.2	4.9	7.3	
68	6.1	4.1	6.1	

Manual Integrations
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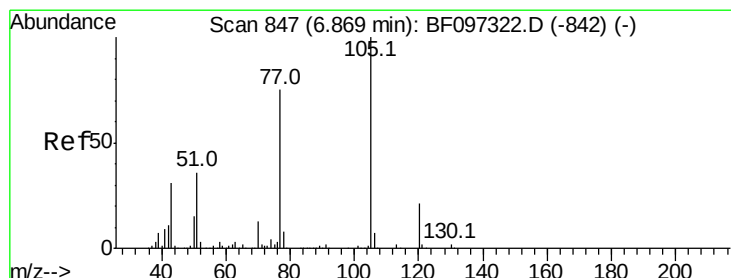


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0



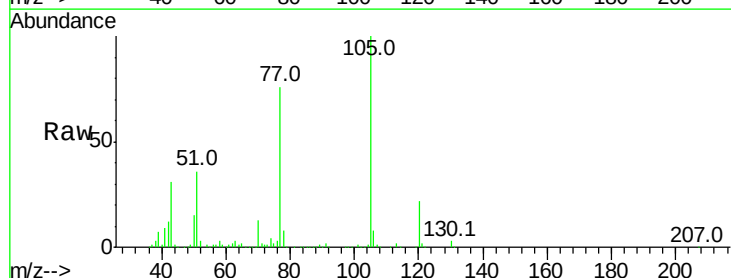
Sohil

8/7/2017 6:10:00 PM

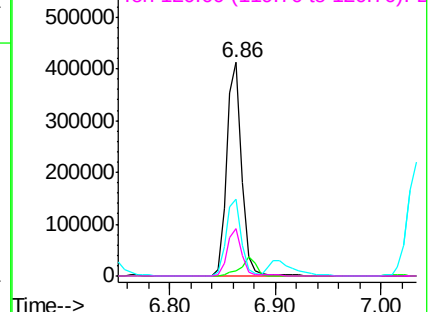
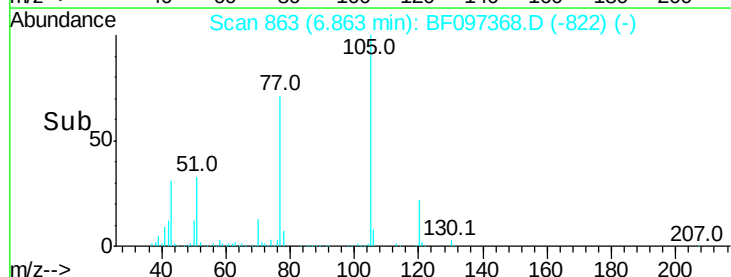


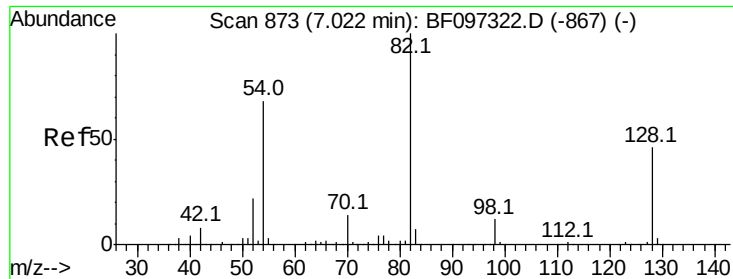
#22
Acetophenone
Concen: 36.372 ng
RT: 6.86 min Scan# 863
Delta R.T. -0.06 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	2.4	2.8	4.2	
51	36.3	30.7	46.1	
120	22.0	17.4	26.0	



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E



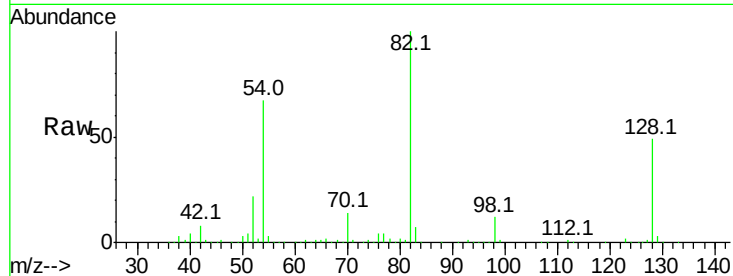


#23
Nitrobenzene-d5
Concen: 65.796 ng
RT: 7.02 min Scan# 889
Delta R.T. -0.06 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

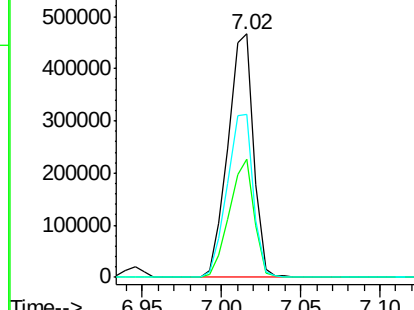
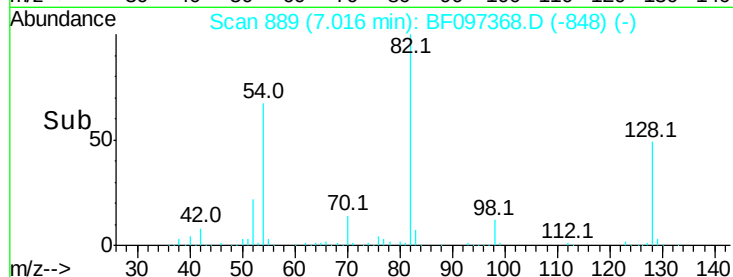
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.6	34.0	51.0	
54	67.1	42.2	63.2	

Manual Integrations
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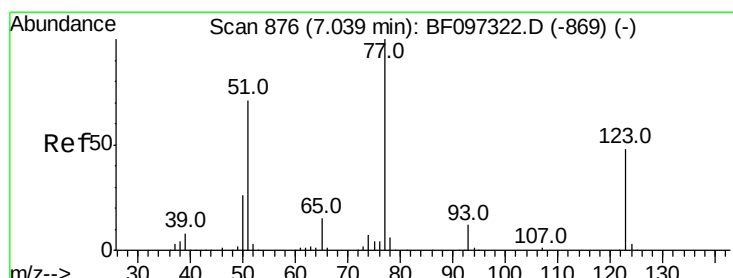


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



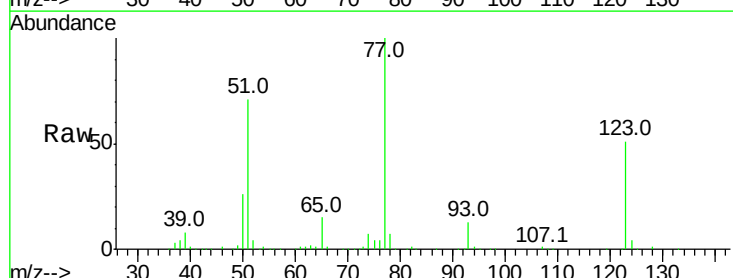
Sohil

8/7/2017 6:10:00 PM

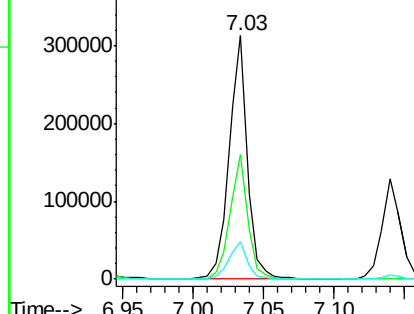
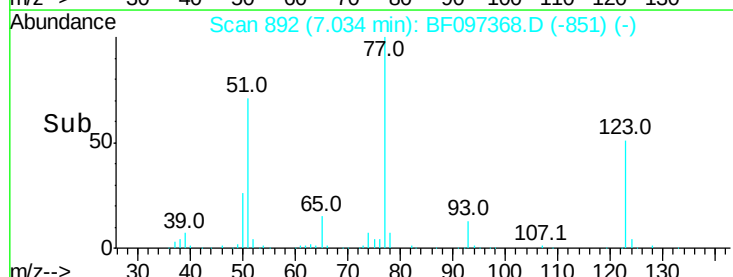


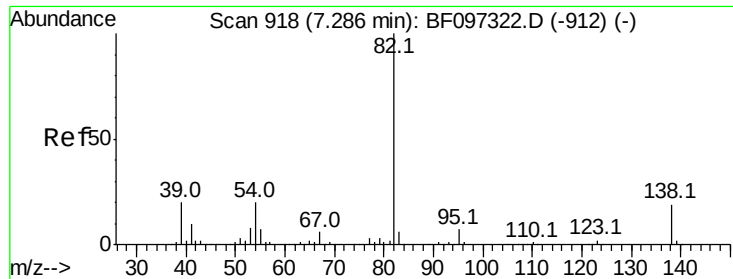
#24
Nitrobenzene
Concen: 33.406 ng
RT: 7.03 min Scan# 892
Delta R.T. -0.06 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	50.9	35.8	53.8	
65	15.2	10.6	15.8	



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 31.965 ng

RT: 7.27 min Scan# 933

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

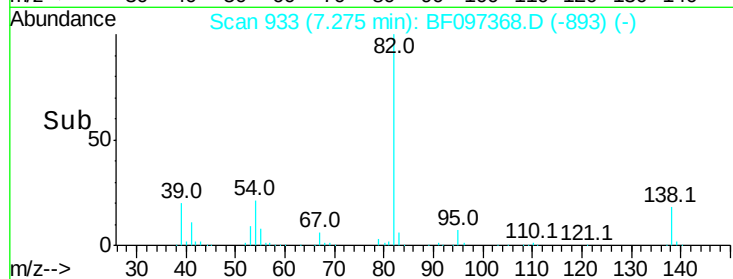
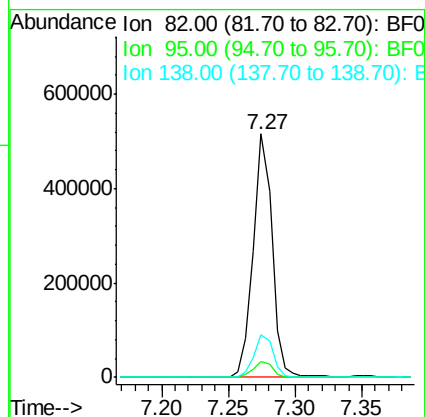
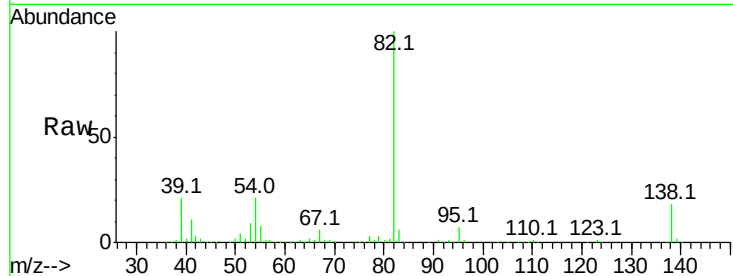
BNA_F

ClientSampleId :

GRAVEL-PILEMS

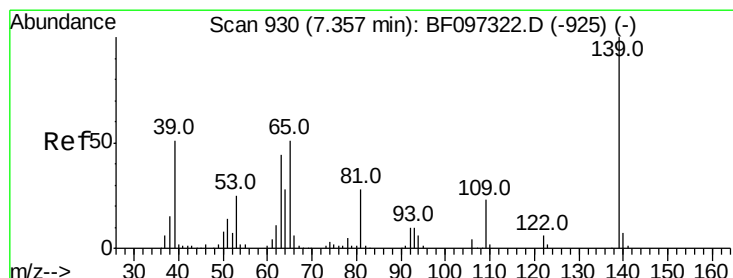
Tot Ion:	82	Resp:	499792
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.3	7.9
138	17.6	13.1	19.7

Manual Integrations
APPROVED



Sohil

8/7/2017 6:10:00 PM



#26

2-Nitrophenol

Concen: 29.910 ng

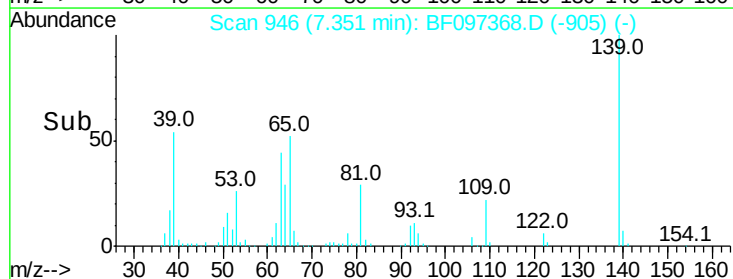
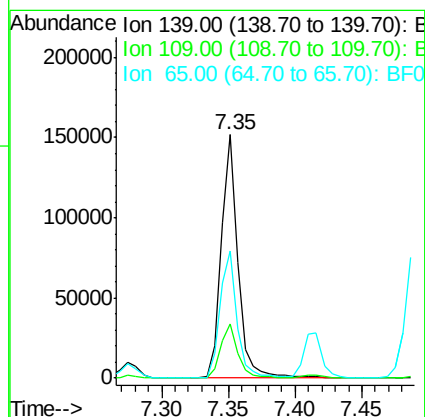
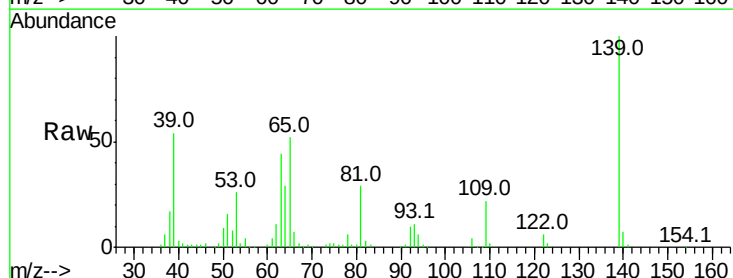
RT: 7.35 min Scan# 946

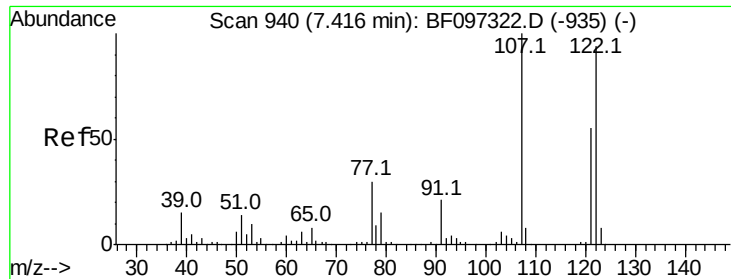
Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Tgt Ion:	139	Resp:	134554
Ion Ratio	Lower	Upper	
139	100		
109	22.5	21.0	31.6
65	52.3	33.0	49.6#





#27

2,4-Dimethylphenol

Concen: 34.912 ng

RT: 7.42 min Scan# 957

Delta R.T. -0.05 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

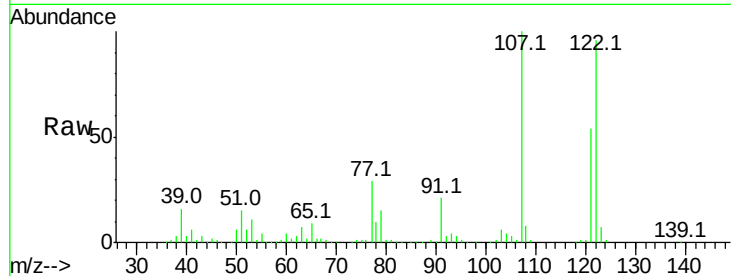
BNA_F

ClientSampleId :

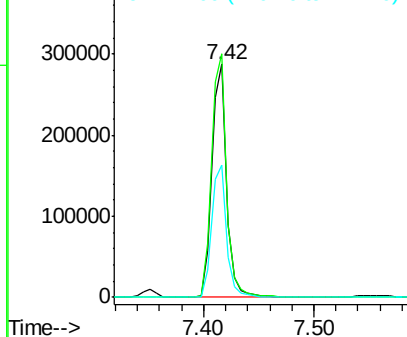
GRAVEL-PILEMS

Tot Ion:	122	Resp:	259076
Ion Ratio	Lower	Upper	
122	100		
107	104.5	89.2	133.8
121	56.6	45.2	67.8

Manual Integrations
APPROVED

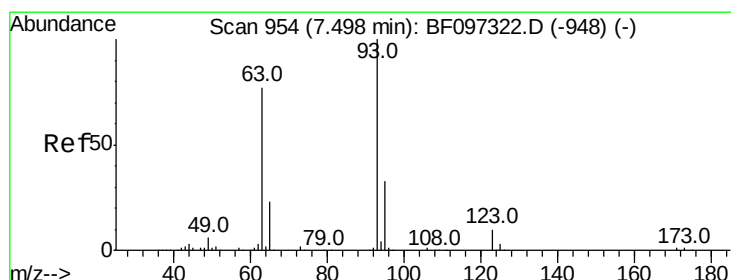
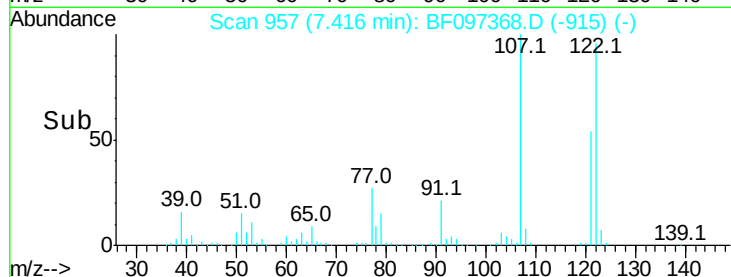


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



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#28

bis(2-Chloroethoxy)methane

Concen: 37.528 ng

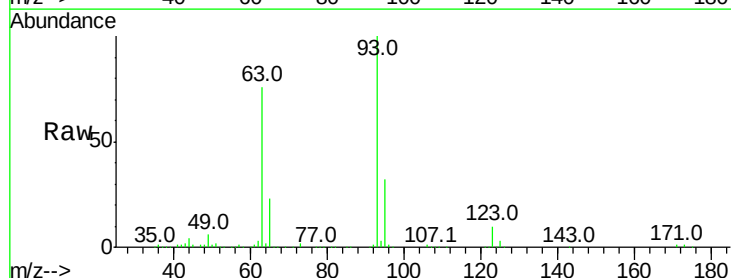
RT: 7.49 min Scan# 970

Delta R.T. -0.06 min

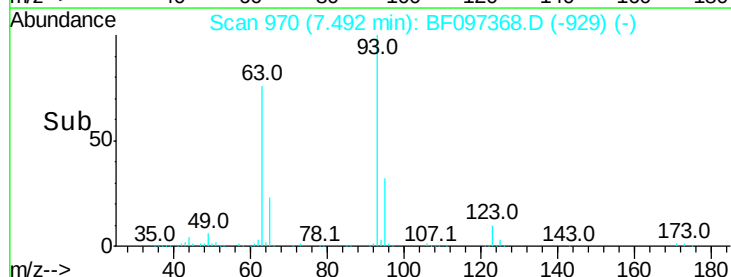
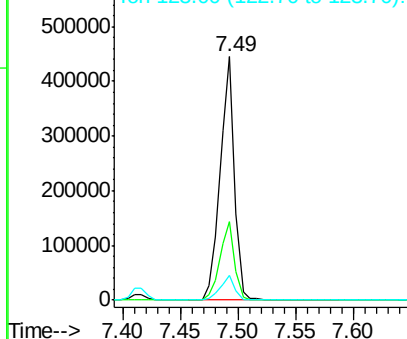
Lab File: BF097368.D

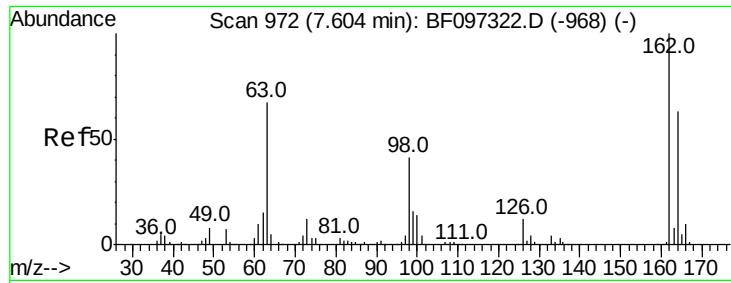
Acq: 4 Aug 2017 21:03

Tgt Ion:	93	Resp:	382911
Ion Ratio	Lower	Upper	
93	100		
95	32.5	26.5	39.7
123	10.1	9.0	13.4



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 123.00 (122.70 to 123.70): E



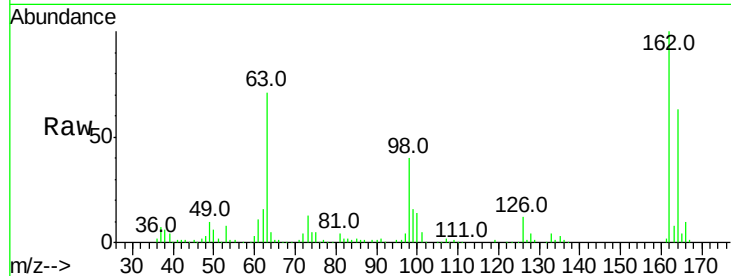


#29
 2,4-Dichlorophenol
 Concen: 37.345 ng
 RT: 7.61 min Scan# 990
 Delta R.T. -0.05 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

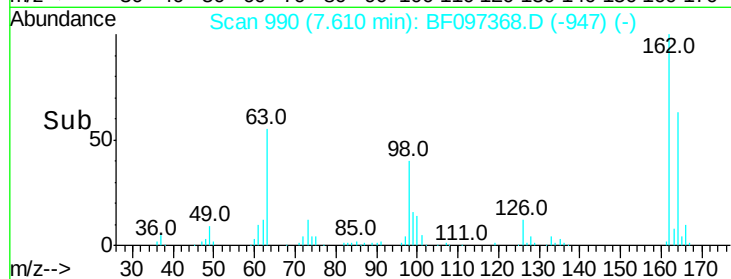
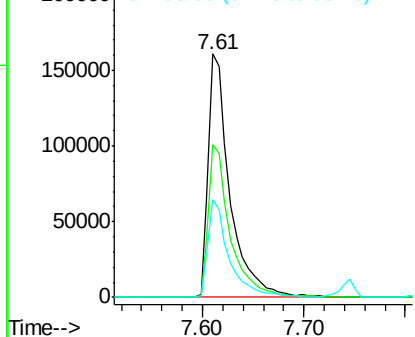
Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMS

Tot Ion:	162	Resp:	238739
Ion Ratio	Lower	Upper	
162	100		
164	62.8	44.6	84.6
98	40.3	14.8	54.8

Manual Integrations
 APPROVED

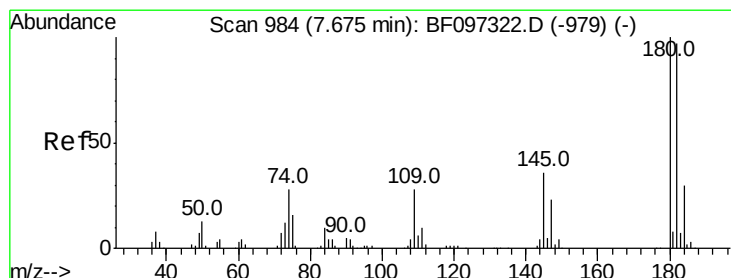


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): B



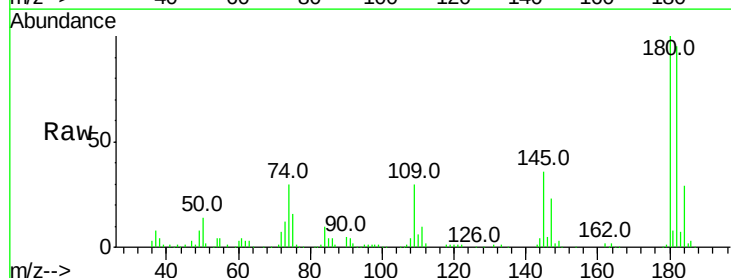
Sohil

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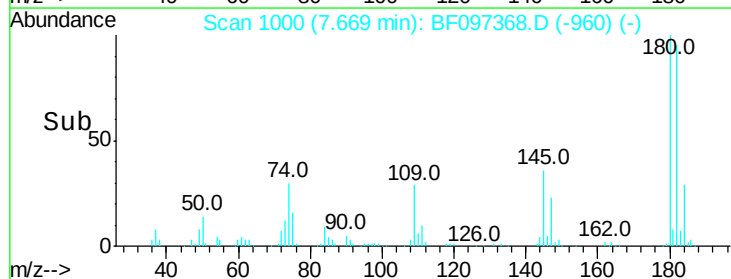
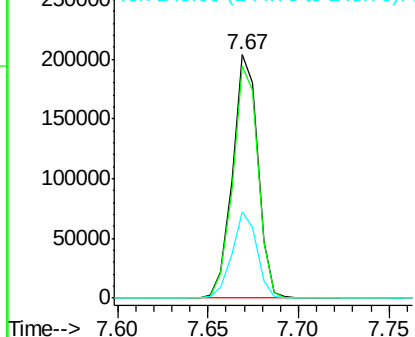


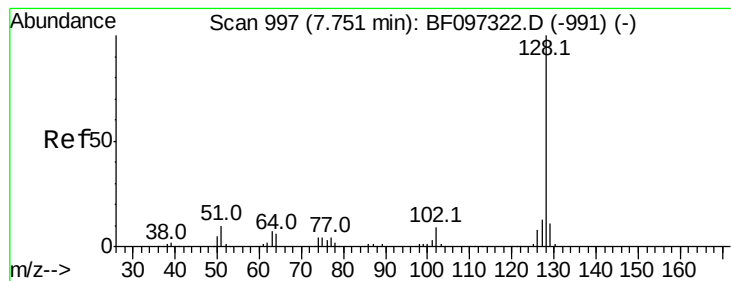
#30
 1,2,4-Trichlorobenzene
 Concen: 32.459 ng
 RT: 7.67 min Scan# 1000
 Delta R.T. -0.06 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

Tgt Ion:	180	Resp:	197791
Ion Ratio	Lower	Upper	
180	100		
182	95.1	75.8	113.6
145	35.6	25.3	37.9



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





#31

Naphthalene

Concen: 34.708 ng

RT: 7.75 min Scan# 1013

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

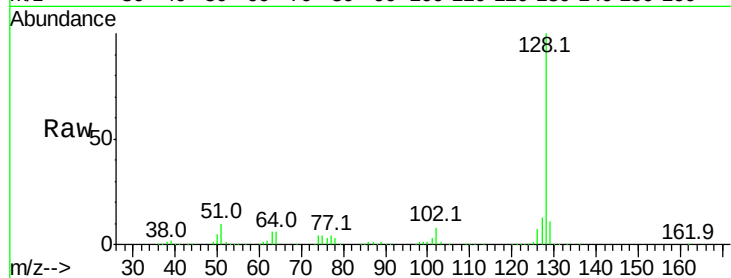
BNA_F

ClientSampleId :

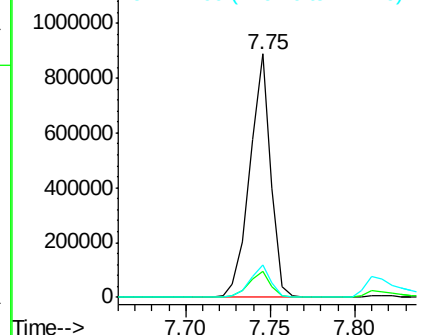
GRAVEL-PILEMS

Tot Ion:128	Resp:	766281
Ion Ratio	Lower	Upper
128 100		
129 10.9	9.0	13.6
127 13.3	10.8	16.2

Manual Integrations
APPROVED

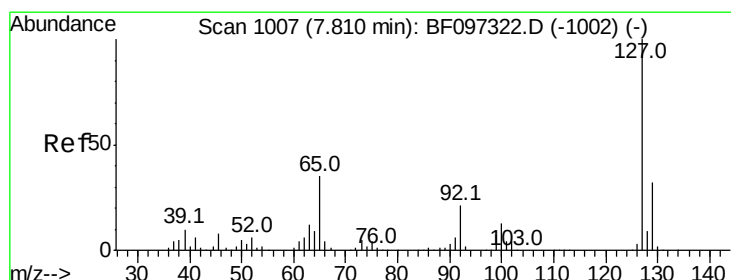
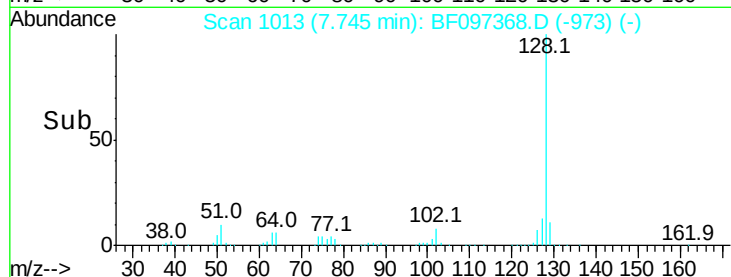


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



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#33

4-Chloroaniline

Concen: 13.653 ng

RT: 7.81 min Scan# 1024

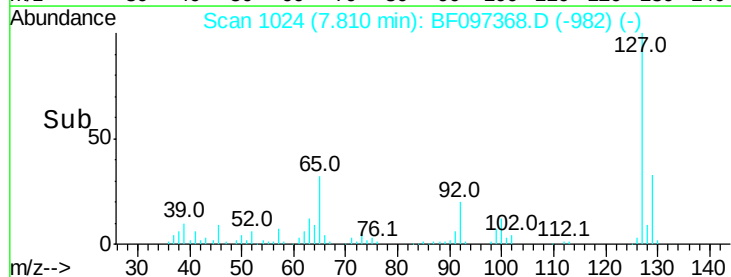
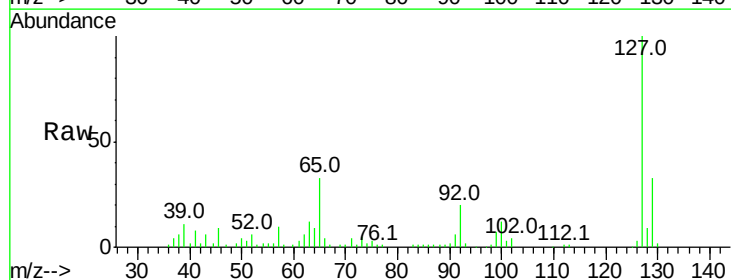
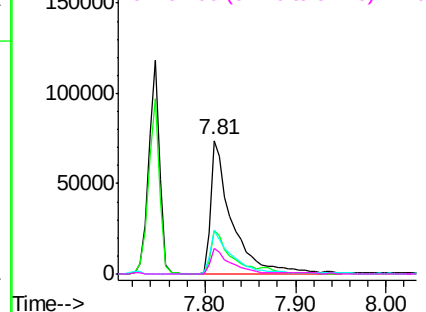
Delta R.T. -0.05 min

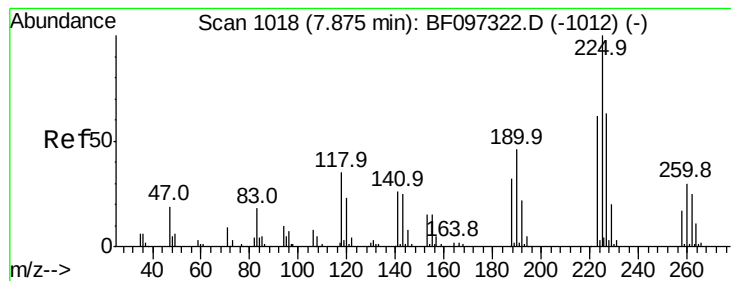
Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Tgt Ion:127	Resp:	122654
Ion Ratio	Lower	Upper
127 100		
129 32.8	26.2	39.2
65 32.6	27.8	41.8
92 19.6	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: 30.361 ng

RT: 7.87 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

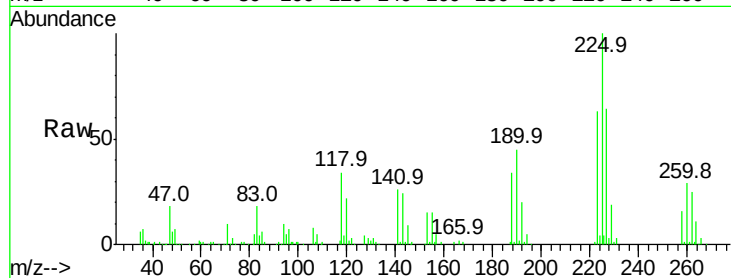
BNA_F

ClientSampleId :

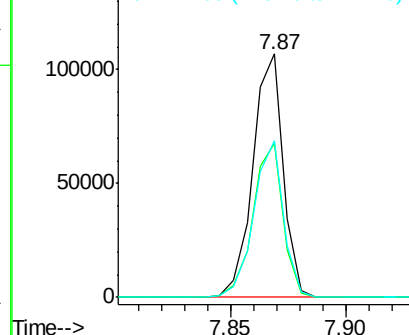
GRAVEL-PILEMS

Tot Ion:	225	Resp:	98079
Ion Ratio	Lower	Upper	
225	100		
223	63.3	48.8	73.2
227	64.1	51.1	76.7

Manual Integrations
APPROVED

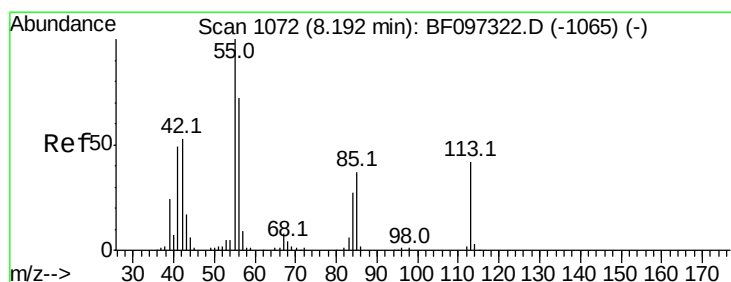
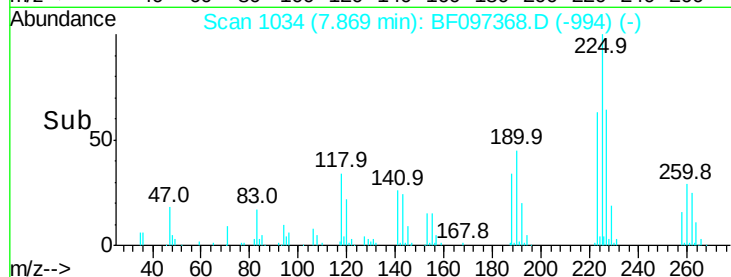


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E



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#35

Caprolactam

Concen: 38.911 ng m

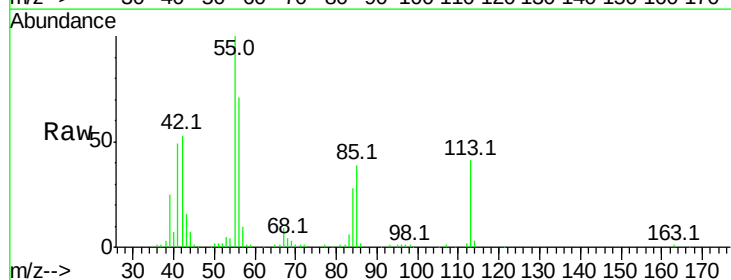
RT: 8.18 min Scan# 1087

Delta R.T. -0.07 min

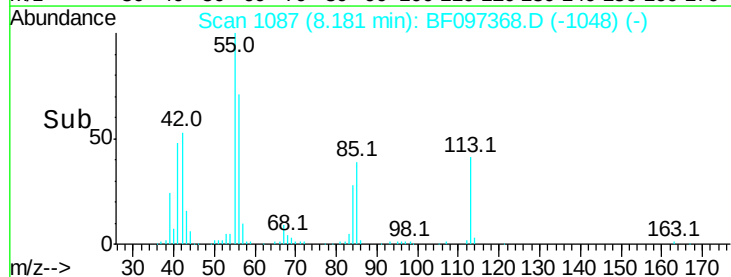
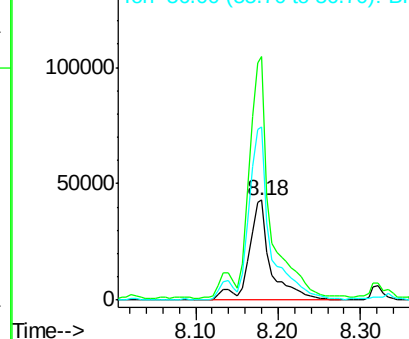
Lab File: BF097368.D

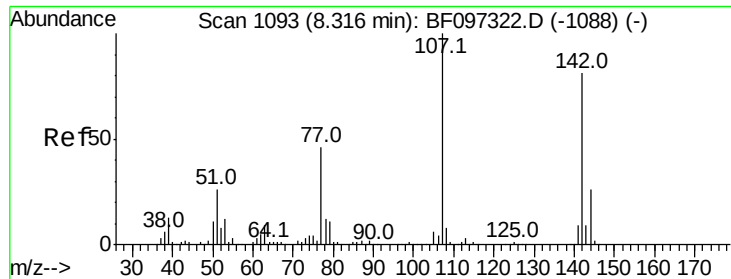
Acq: 4 Aug 2017 21:03

Tgt Ion:	113	Resp:	79765
Ion Ratio	Lower	Upper	
113	100		
55	244.2	150.2	190.2#
56	173.1	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



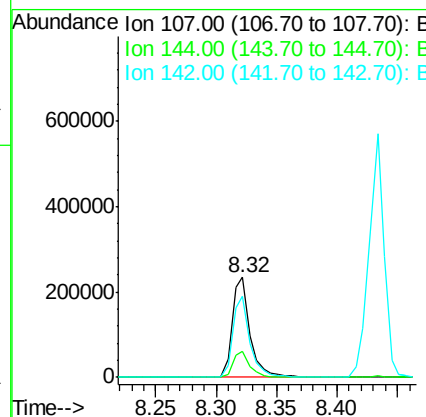
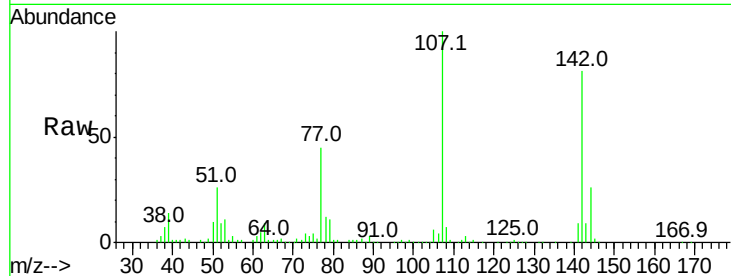


#36
4-Chloro-3-methylphenol
Concen: 34.007 ng
RT: 8.32 min Scan# 1111
Delta R.T. -0.05 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

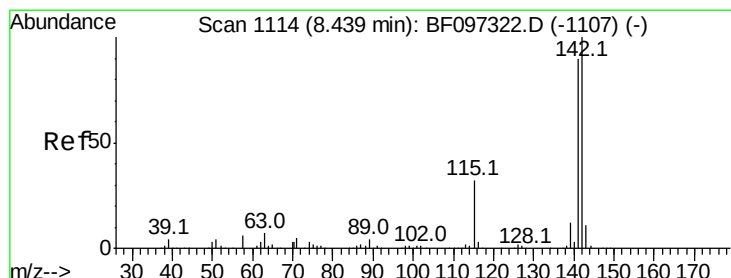
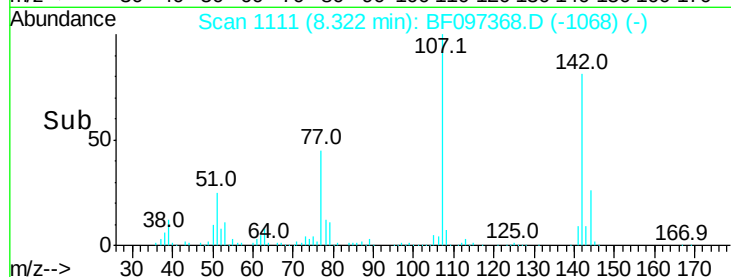
Tot Ion	Ratio	Resp	Lower	Upper
107	100	237183		
144	26.1	24.2	36.4	
142	81.0	73.4	110.0	

Manual Integrations
APPROVED



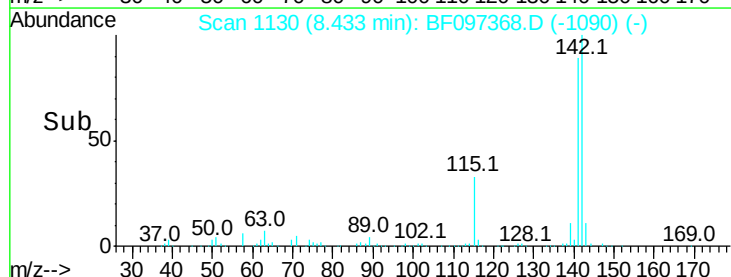
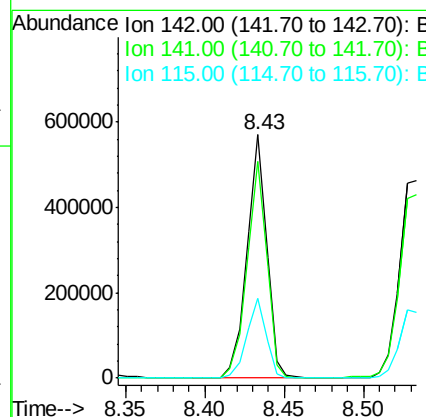
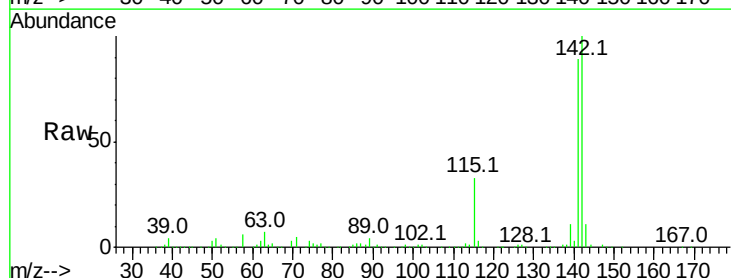
Sohil

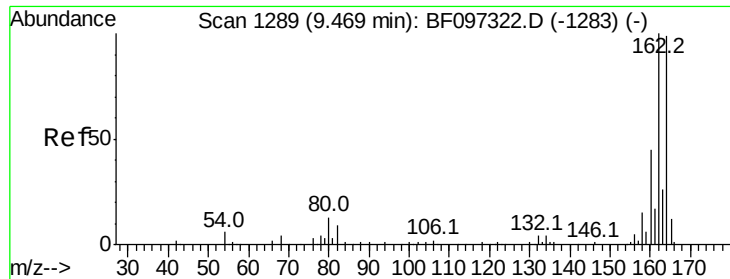
8/7/2017 6:10:00 PM



#37
2-Methylnaphthalene
Concen: 35.169 ng
RT: 8.43 min Scan# 1130
Delta R.T. -0.06 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	491624		
141	89.1	71.3	106.9	
115	32.9	27.1	40.7	



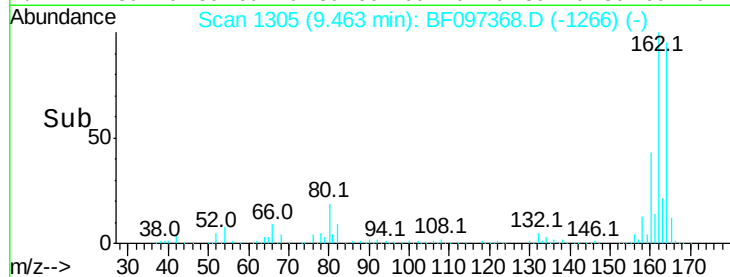
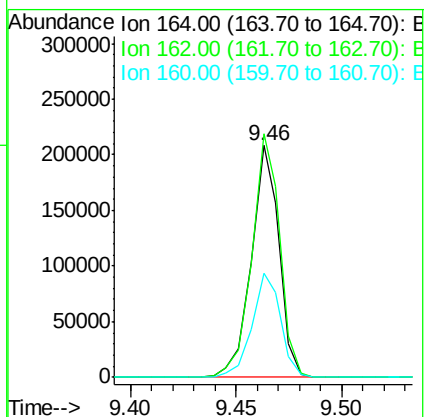
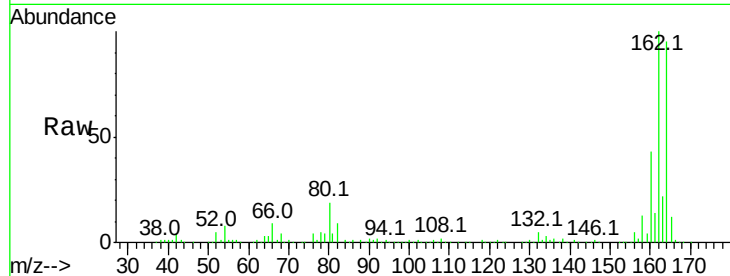


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.46 min Scan# 1305
Delta R.T. -0.07 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

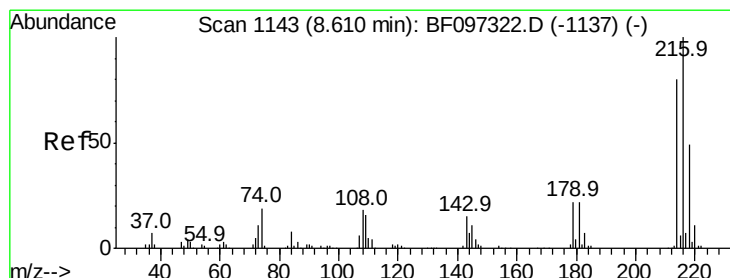
Tot Ion	Ratio	Lower	Upper
164	100		
162	105.1	82.6	123.8
160	44.8	36.2	54.2

Manual Integrations
APPROVED



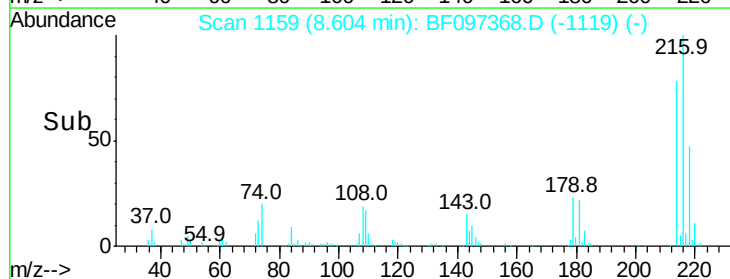
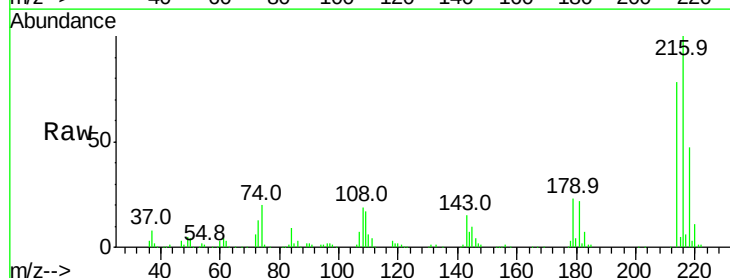
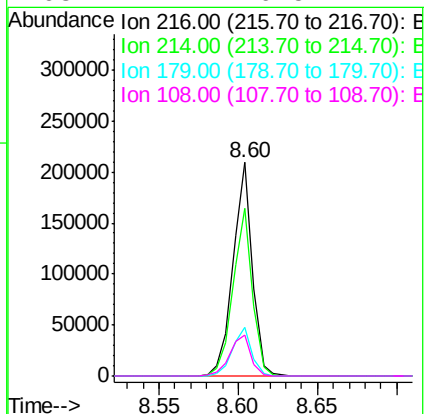
Sohil

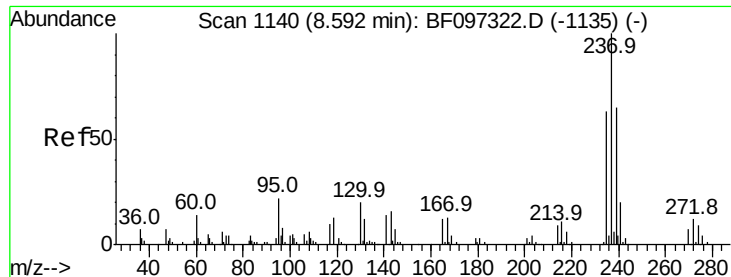
8/7/2017 6:10:00 PM



#39
1,2,4,5-Tetrachlorobenzene
Concen: 34.914 ng
RT: 8.60 min Scan# 1159
Delta R.T. -0.06 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.4	95.2
179	22.7	17.9	26.9
108	21.1	16.5	24.7



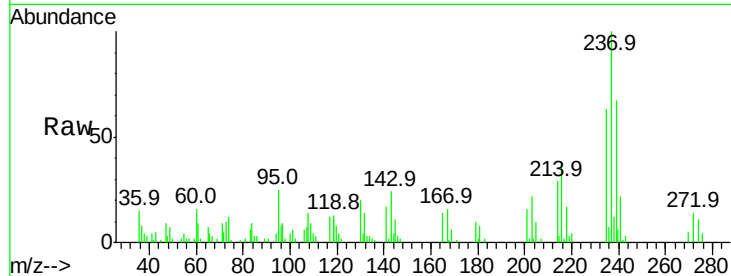


#40
Hexachlorocyclopentadiene
Concen: 16.951 ng
RT: 8.59 min Scan# 1156
Delta R.T. -0.07 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

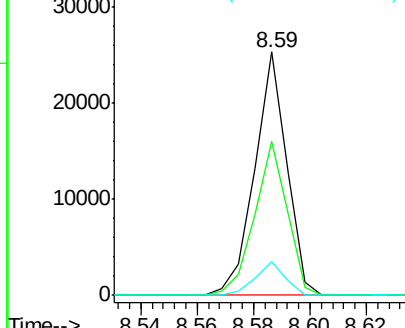
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

Tot Ion:	237	Resp:	19941
Ion Ratio	Lower	Upper	
237	100		
235	63.2	42.6	82.6
272	13.8	0.0	31.9

Manual Integrations
APPROVED

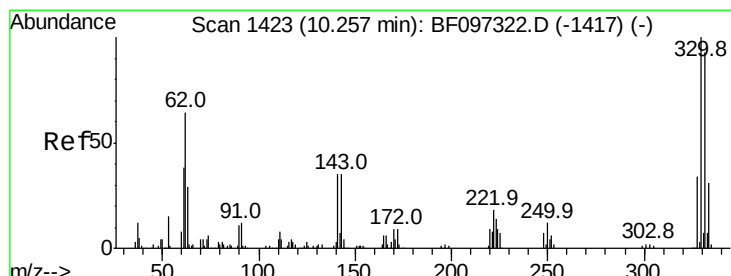
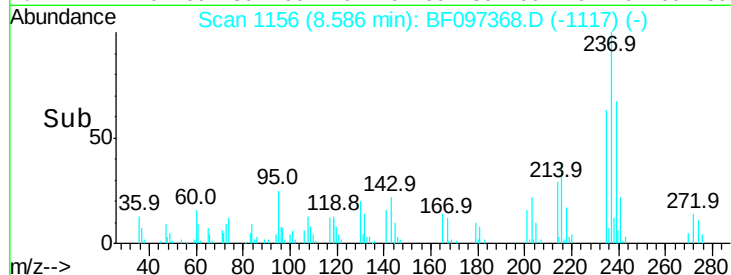


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



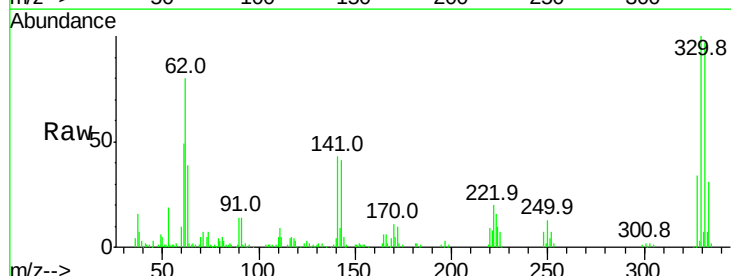
Sohil

8/7/2017 6:10:00 PM

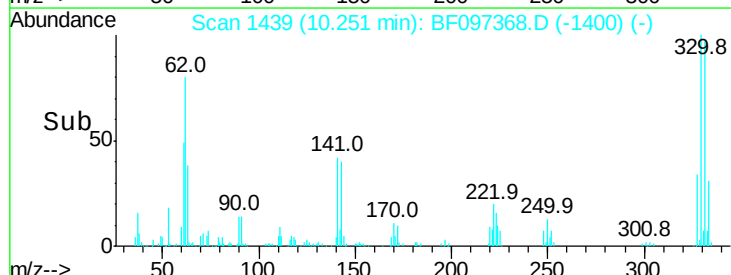
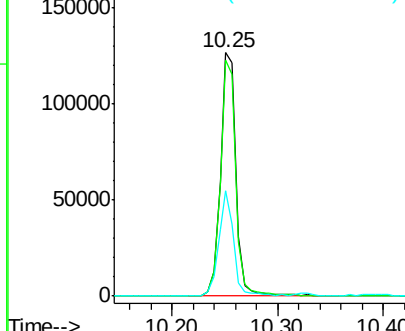


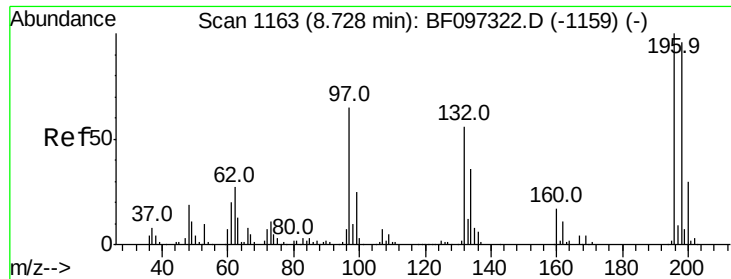
#41
2,4,6-Tribromophenol
Concen: 87.862 ng
RT: 10.25 min Scan# 1439
Delta R.T. -0.07 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion:	330	Resp:	131409
Ion Ratio	Lower	Upper	
330	100		
332	96.6	76.6	115.0
141	41.2	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: 32.763 ng

RT: 8.73 min Scan# 1180

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

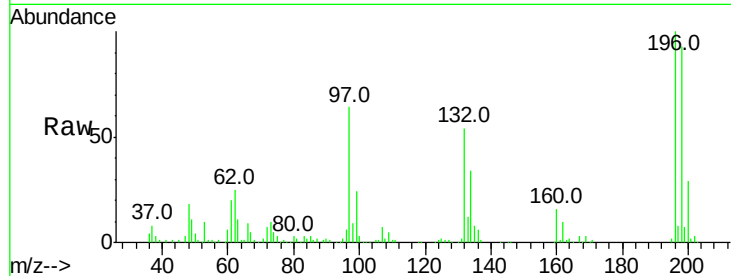
BNA_F

ClientSampled :

GRAVEL-PILEMS

Tot Ion:	196	Resp:	119923
Ion Ratio	Lower	Upper	
196	100		
198	93.1	74.2	111.4
200	29.2	24.0	36.0

Manual Integrations
APPROVED

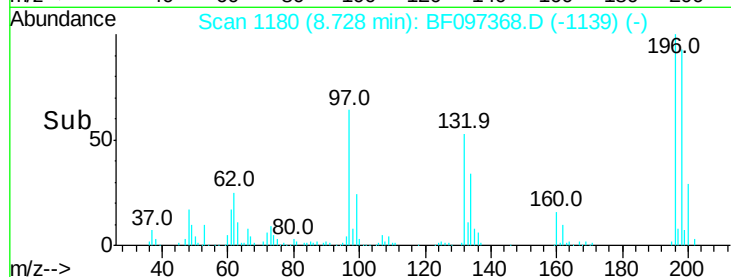
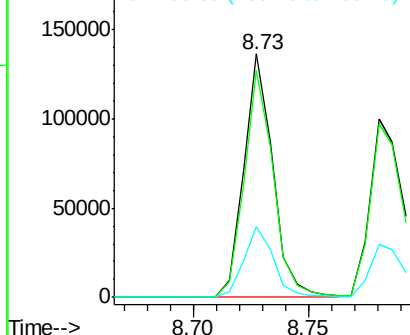


Abundance

Ion 196.00 (195.70 to 196.70): E

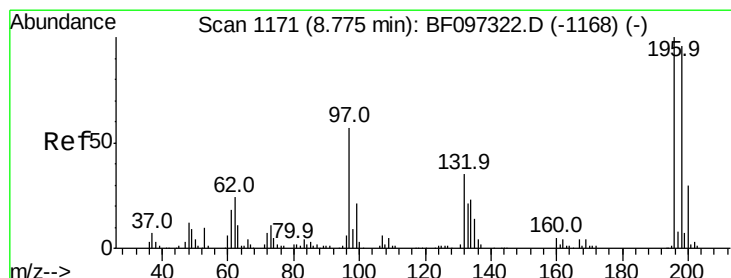
Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



Sohil

8/7/2017 6:10:00 PM



#43

2,4,5-Trichlorophenol

Concen: 31.365 ng

RT: 8.78 min Scan# 1189

Delta R.T. -0.05 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Tgt Ion:	196	Resp:	114910
Ion Ratio	Lower	Upper	
196	100		
198	96.6	75.7	113.5
97	58.2	47.7	71.5
132	34.8	28.0	42.0

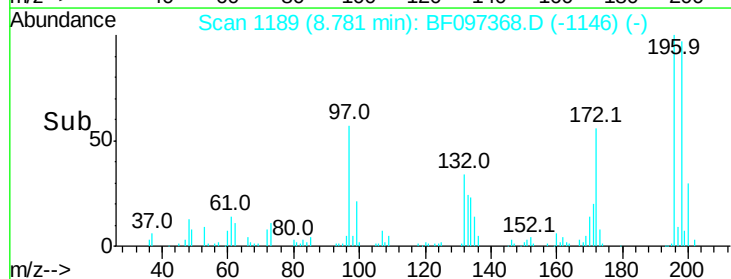
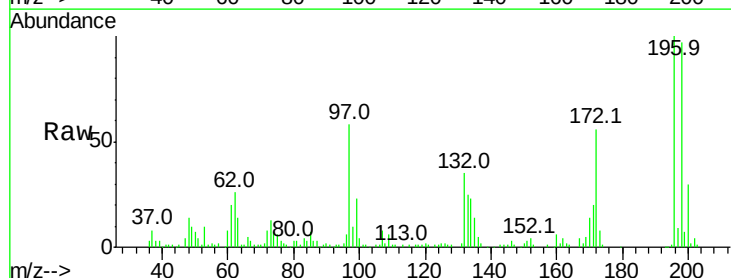
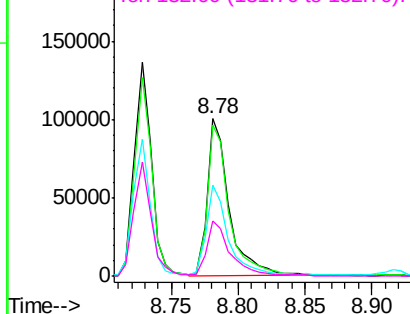
Abundance

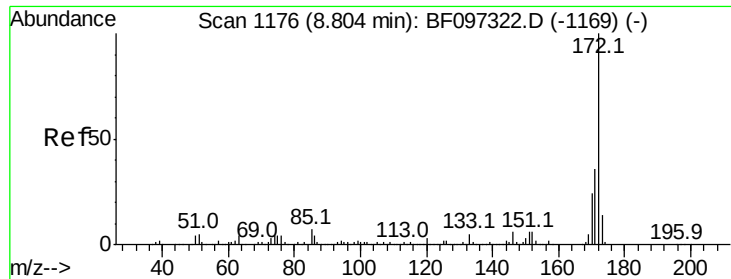
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



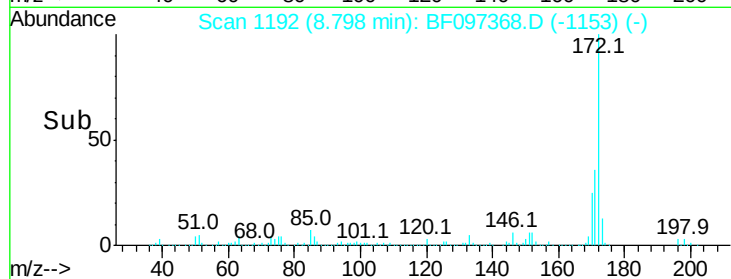
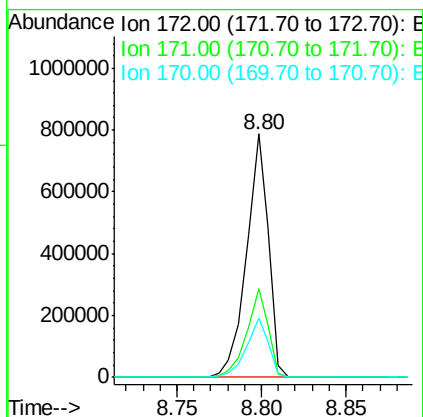
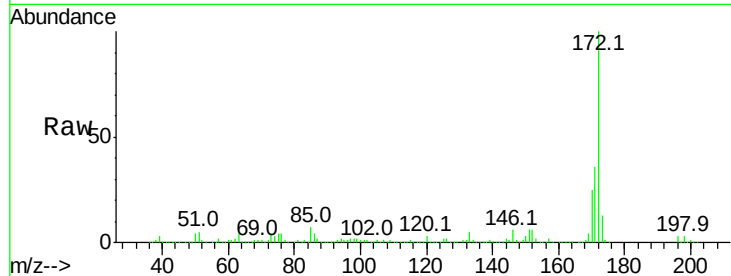


#44
2-Fluorobiphenyl
Concen: 63.890 ng
RT: 8.80 min Scan# 1192
Delta R.T. -0.07 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

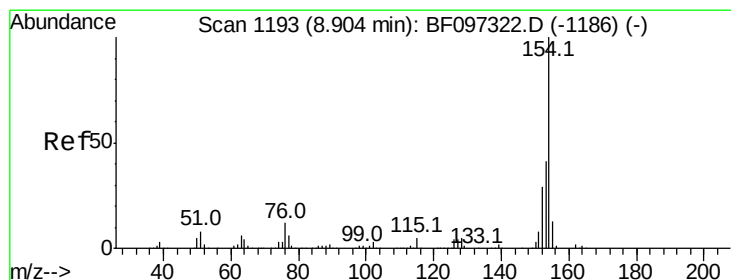
Tot Ion	Ratio	Resp	Lower	Upper
172	100	712645		
171	36.4		29.6	44.4
170	24.5		19.8	29.8

Manual Integrations
APPROVED



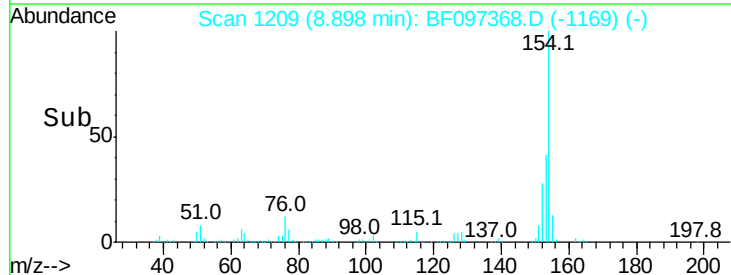
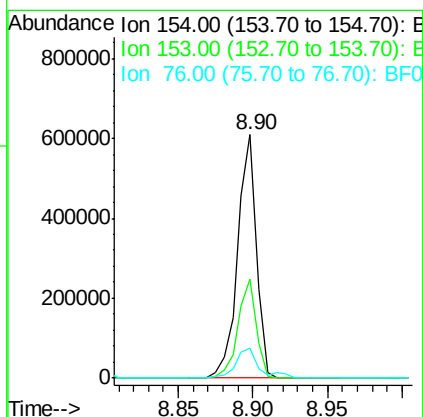
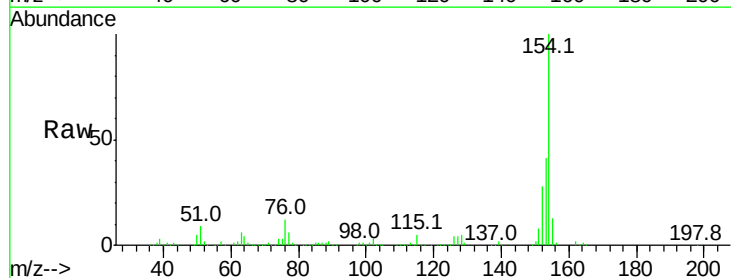
Sohil

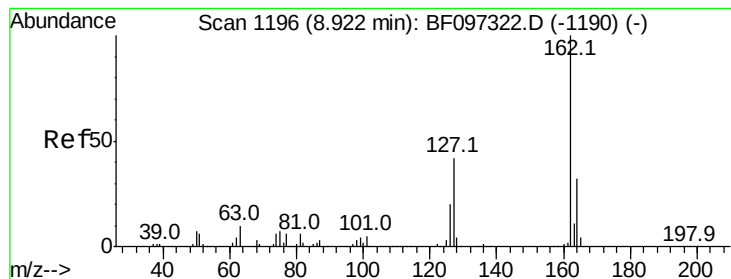
8/7/2017 6:10:00 PM



#45
1,1'-Biphenyl
Concen: 33.362 ng
RT: 8.90 min Scan# 1209
Delta R.T. -0.06 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	539421		
153	40.5		21.2	61.2
76	12.5		0.0	29.9



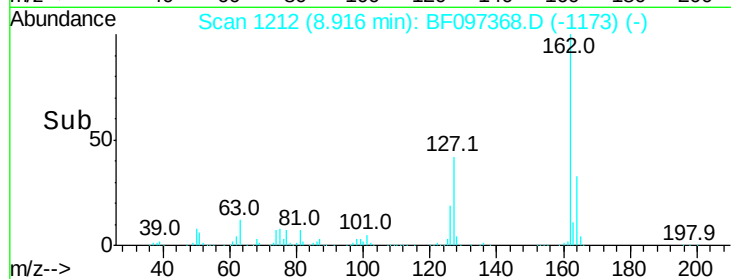
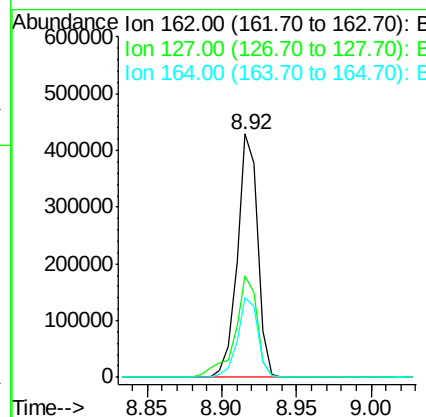
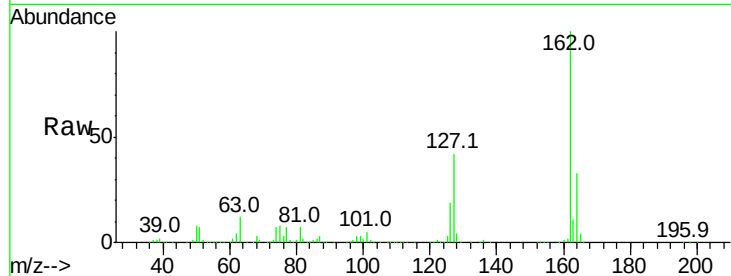


#46
2-Chloronaphthalene
Concen: 34.820 ng
RT: 8.92 min Scan# 1212
Delta R.T. -0.07 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

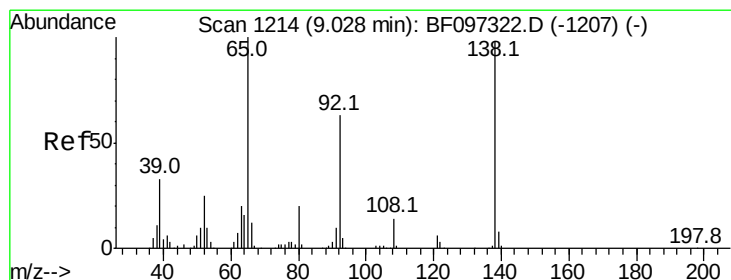
Tot Ion	Ratio	Resp	Lower	Upper
162	100			
127	41.8	28.3	42.5	
164	32.9	27.0	40.4	

Manual Integrations
APPROVED



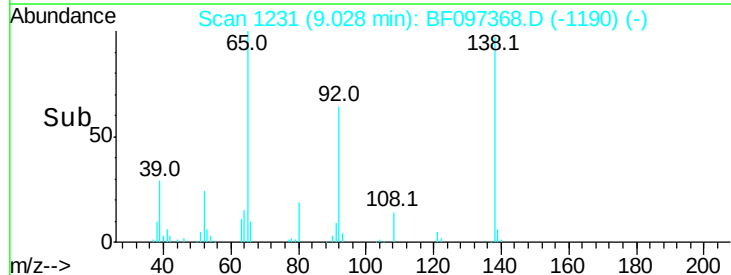
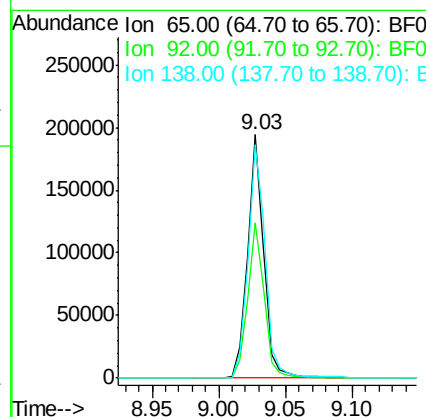
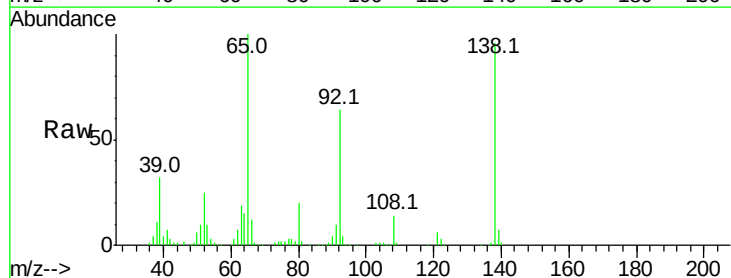
Sohil

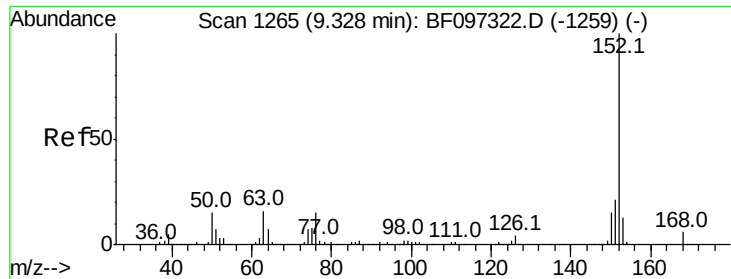
8/7/2017 6:10:00 PM



#47
2-Nitroaniline
Concen: 37.978 ng
RT: 9.03 min Scan# 1231
Delta R.T. -0.06 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
92	63.9	53.9	80.9	
138	96.0	78.8	118.2	



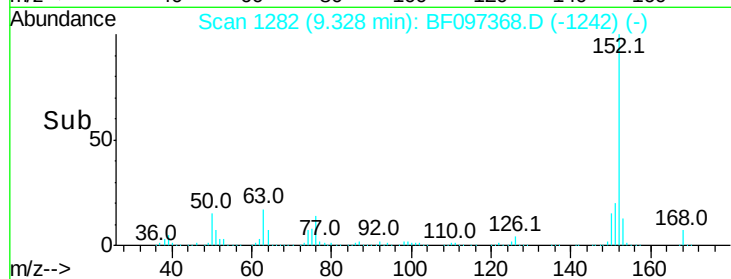
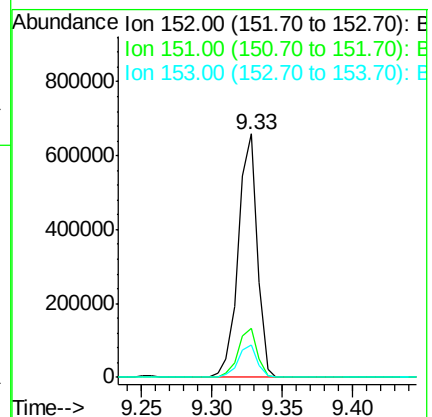
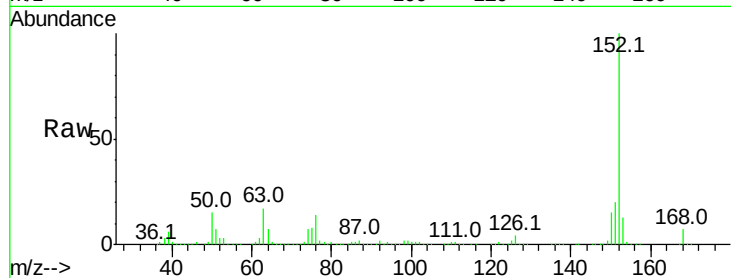


#48
Acenaphthylene
Concen: 33.725 ng
RT: 9.33 min Scan# 1282
Delta R.T. -0.06 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

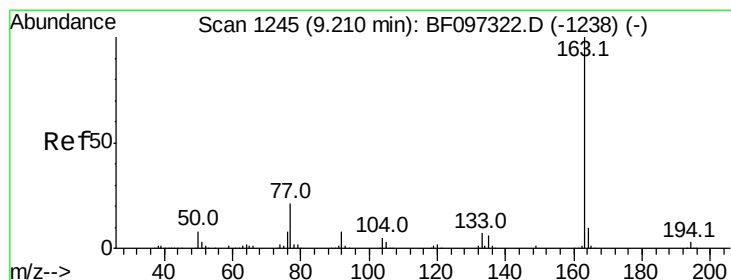
Tot Ion	Ratio	Resp	Lower	Upper
152	100	615919		
151	20.2		16.8	25.2
153	13.1		10.8	16.2

Manual Integrations
APPROVED



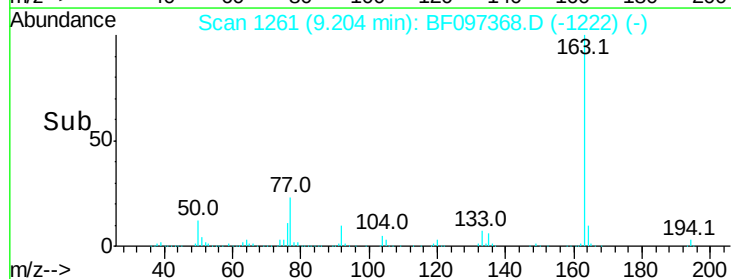
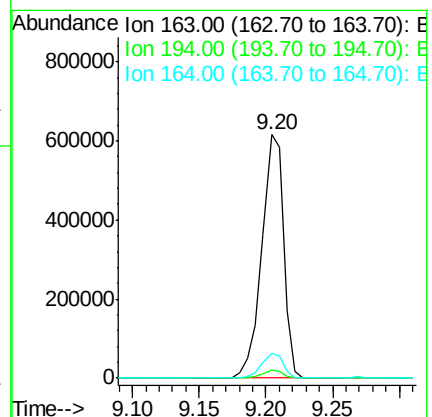
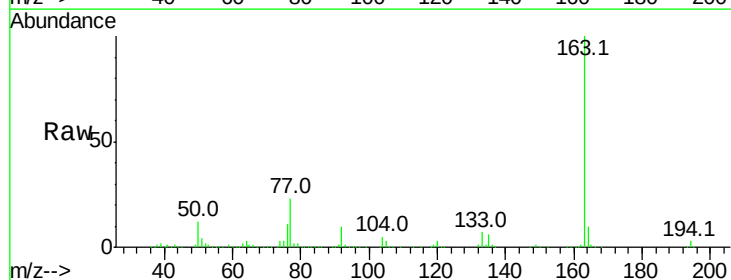
Sohil

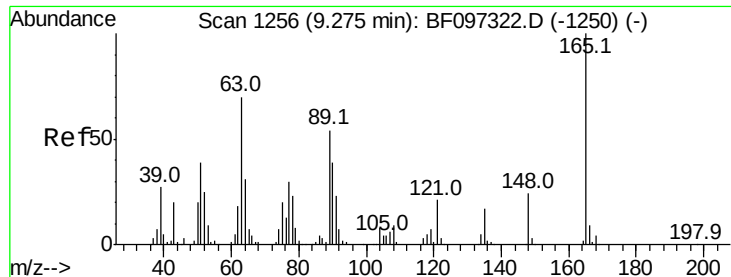
8/7/2017 6:10:00 PM



#49
Dimethylphthalate
Concen: 48.118 ng
RT: 9.20 min Scan# 1261
Delta R.T. -0.07 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	691696		
194	3.1		2.6	4.0
164	10.3		8.4	12.6



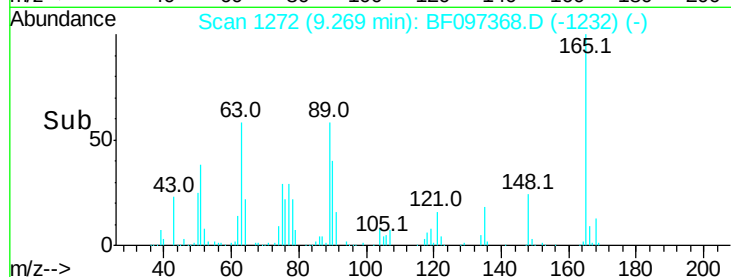
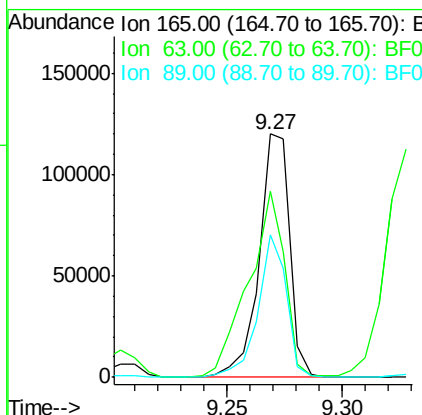
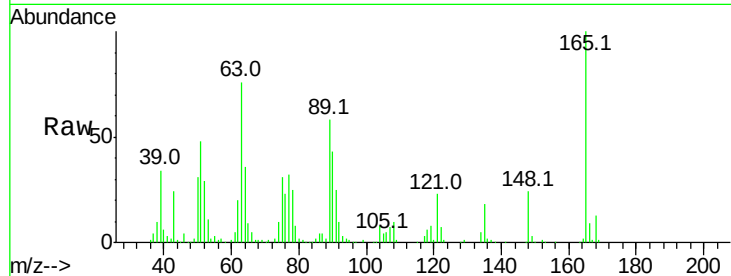


#50
 2,6-Dinitrotoluene
 Concen: 36.479 ng
 RT: 9.27 min Scan# 1272
 Delta R.T. -0.06 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

Instrument :
 BNA_F
 ClientSampled :
 GRAVEL-PILEMS

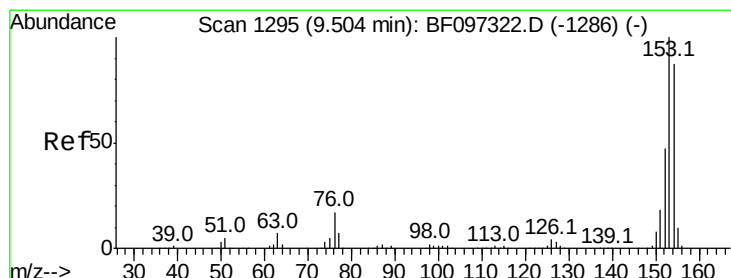
Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	76.2	34.3	51.5#
89	58.4	37.1	55.7#

Manual Integrations
 APPROVED



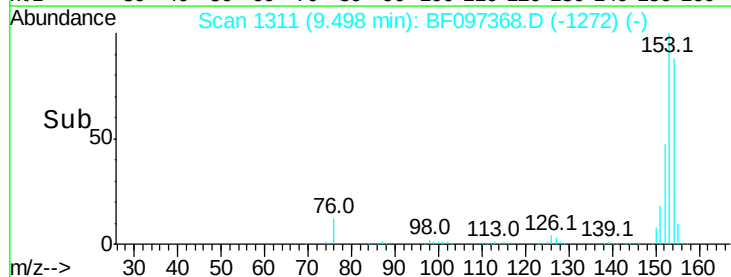
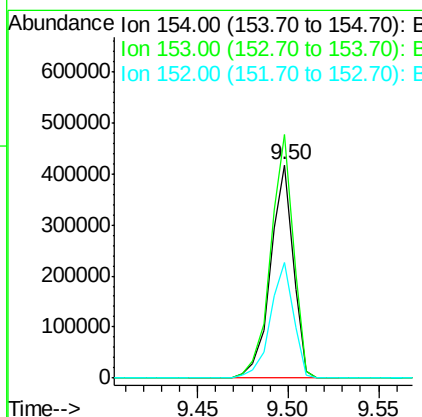
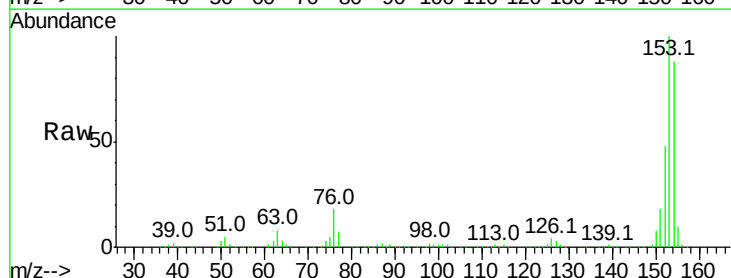
Sohil

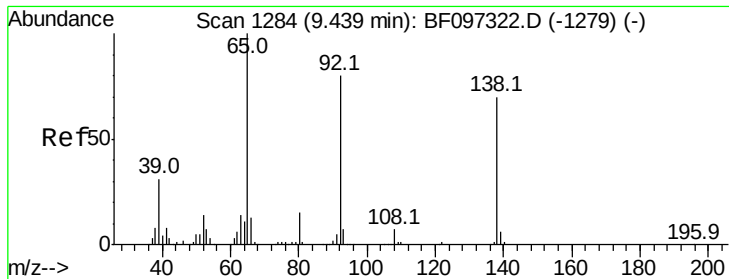
8/7/2017 6:10:00 PM



#51
 Acenaphthene
 Concen: 33.941 ng
 RT: 9.50 min Scan# 1311
 Delta R.T. -0.07 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	114.2	90.5	135.7
152	54.3	43.6	65.4



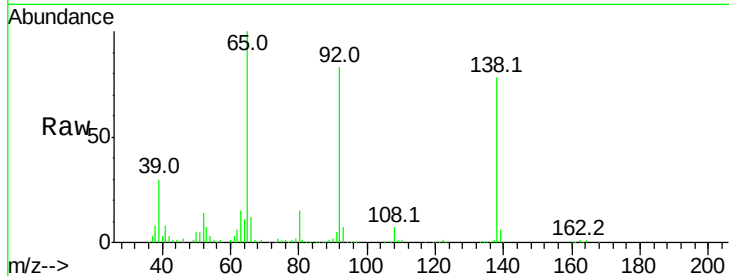


#52
3-Nitroaniline
Concen: 29.381 ng
RT: 9.44 min Scan# 1301
Delta R.T. -0.06 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

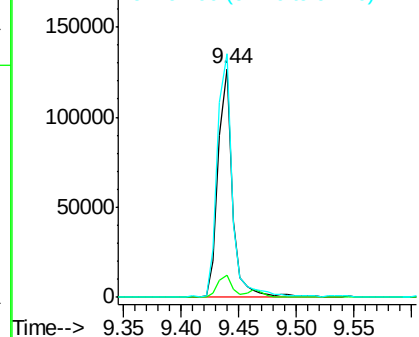
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

Tot Ion	Ratio	Resp	Lower	Upper
138	100			
108	9.6	9.1	13.7	
92	106.4	93.8	140.6	

Manual Integrations
APPROVED

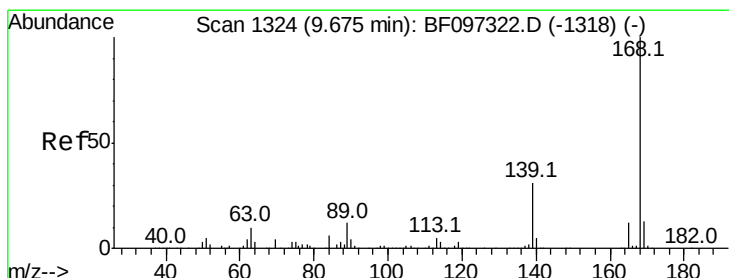
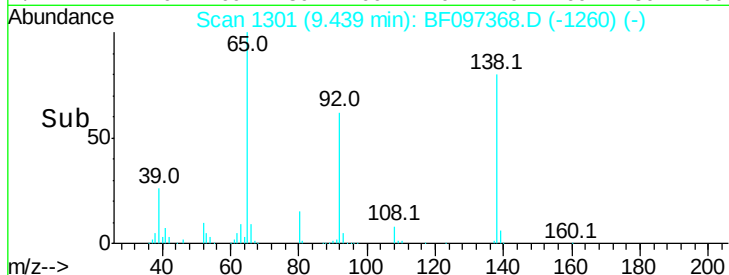


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0



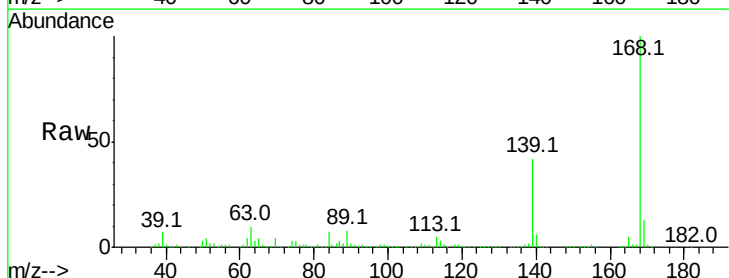
Sohil

8/7/2017 6:10:00 PM

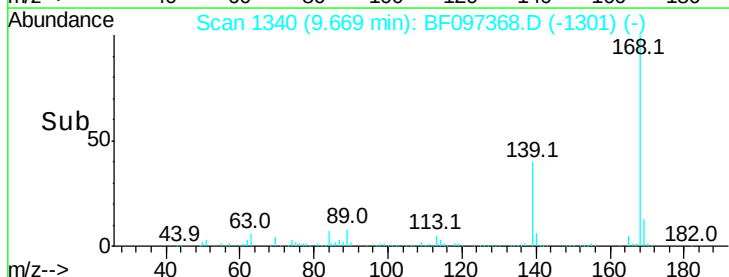
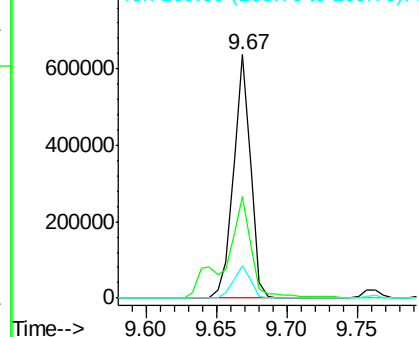


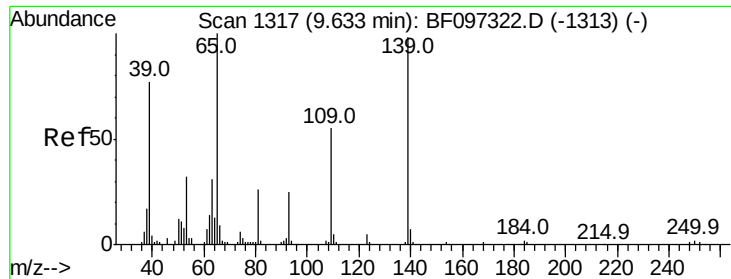
#54
Dibenzofuran
Concen: 37.087 ng
RT: 9.67 min Scan# 1340
Delta R.T. -0.07 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	41.7	30.6	45.8	
169	13.3	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



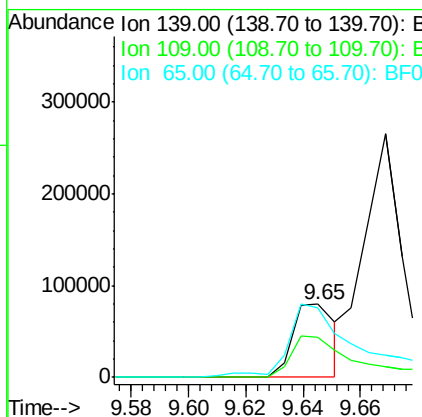
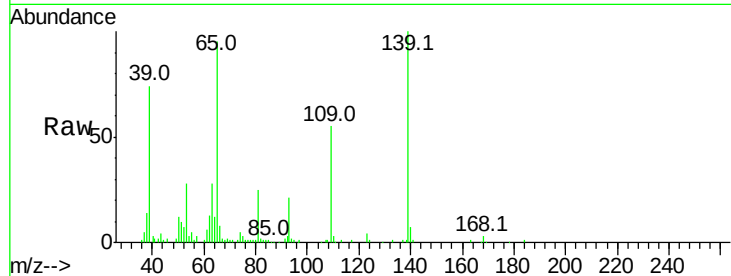


#55
4-Nitrophenol
Concen: 36.766 ng/mL
RT: 9.65 min Scan# 1336
Delta R.T. -0.04 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Instrument :
BNA_F
ClientSampled :
GRAVEL-PILEMS

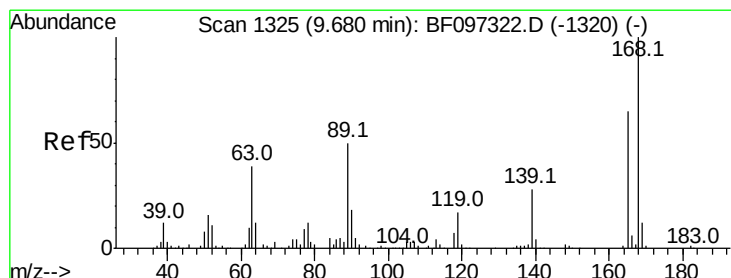
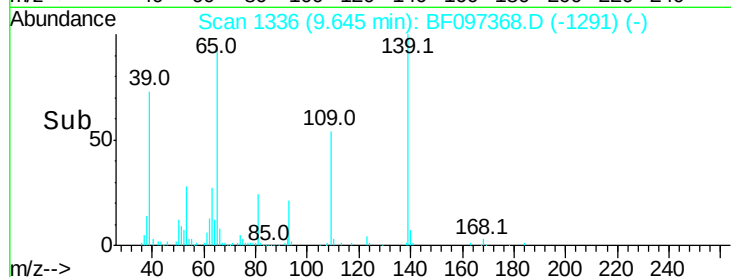
Tot Ion	Ratio	Lower	Upper
139	100		
109	54.7	34.1	74.1
65	94.6	31.4	71.4

Manual Integrations
APPROVED



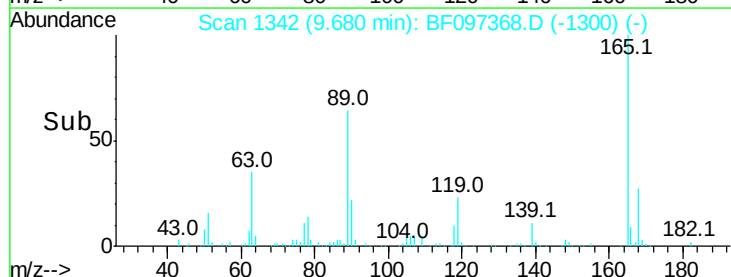
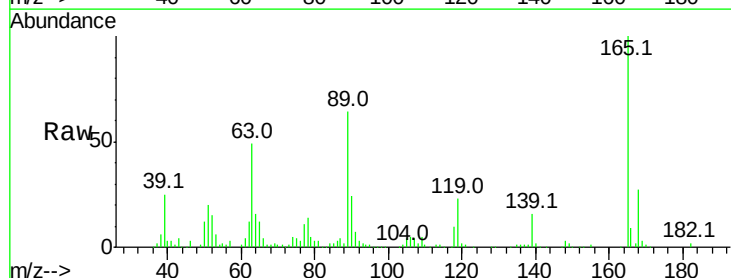
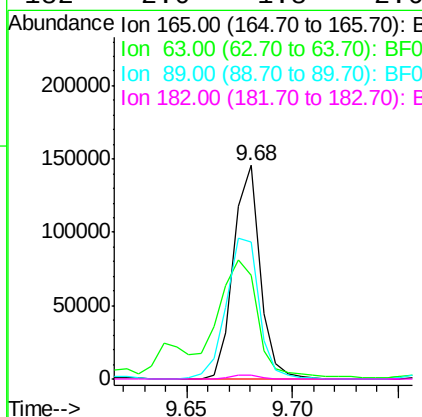
Sohil

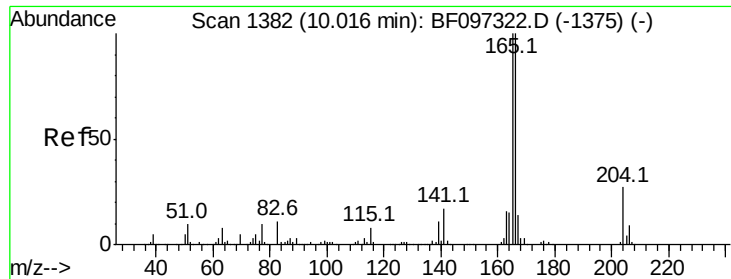
8/7/2017 6:10:00 PM



#56
2,4-Dinitrotoluene
Concen: 36.143 ng/mL
RT: 9.68 min Scan# 1342
Delta R.T. -0.05 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	48.5	25.4	38.0
89	64.4	46.4	69.6
182	2.0	1.8	2.6



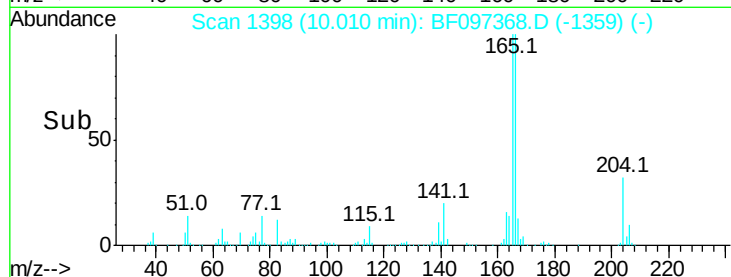
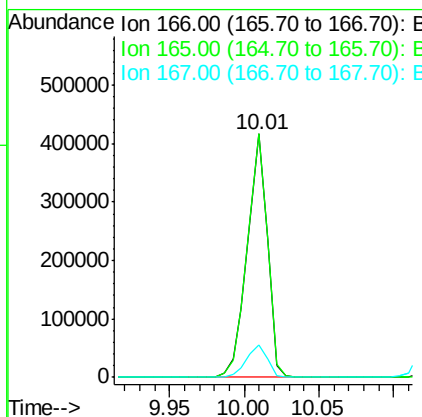
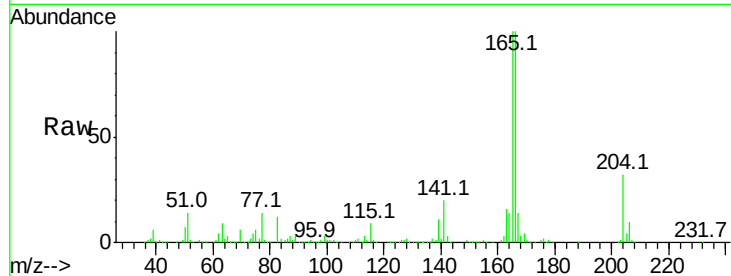


#57
Fluorene
 Concen: 36.211 ng
 RT: 10.01 min Scan# 1398
 Delta R.T. -0.07 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

Instrument :
 BNA_F
 ClientSampled :
 GRAVEL-PILEMS

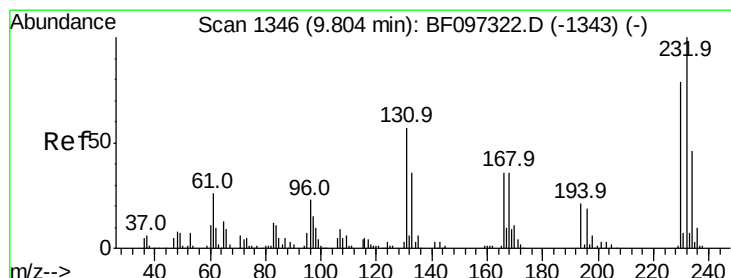
Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.0	78.8	118.2	
167	13.5	10.6	16.0	

Manual Integrations
 APPROVED



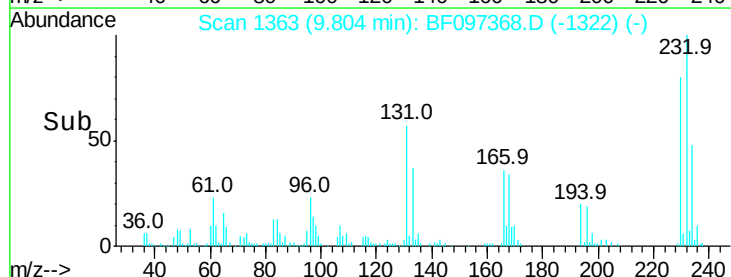
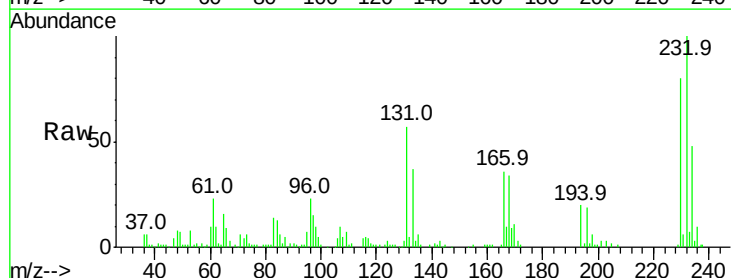
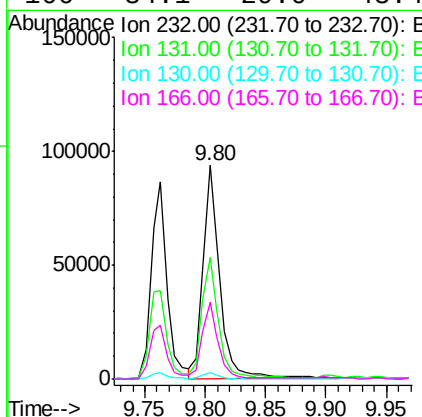
Sohil

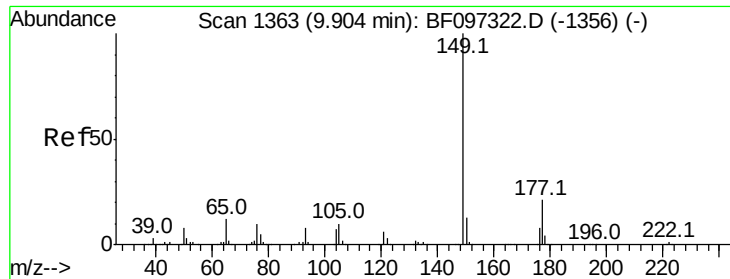
8/7/2017 6:10:00 PM



#58
2,3,4,6-Tetrachlorophenol
 Concen: 35.540 ng
 RT: 9.80 min Scan# 1363
 Delta R.T. -0.06 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
232	100			
131	56.2	44.8	67.2	
130	3.0	2.3	3.5	
166	34.1	29.0	43.4	



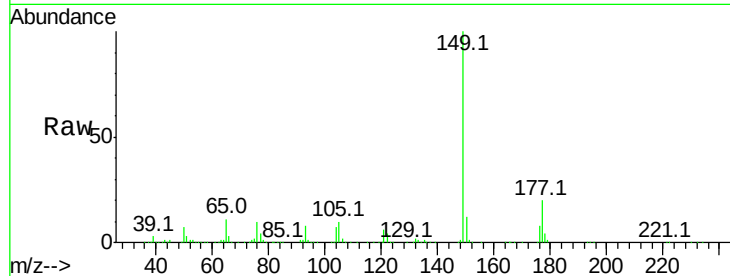


#59
Diethylphthalate
Concen: 37.038 ng
RT: 9.90 min Scan# 1379
Delta R.T. -0.07 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

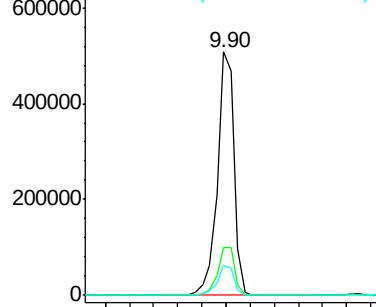
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

Tot Ion	Ratio	Lower	Upper
149	100		
177	19.9	16.7	25.1
150	12.2	10.2	15.2

Manual Integrations
APPROVED

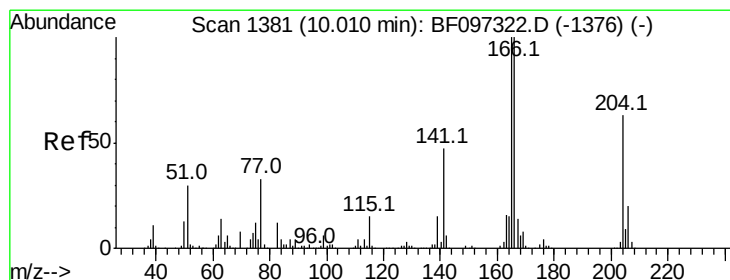
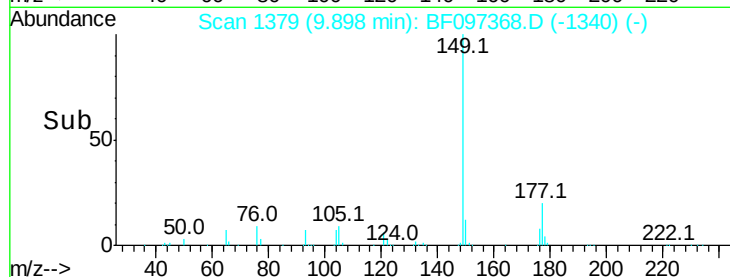


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E



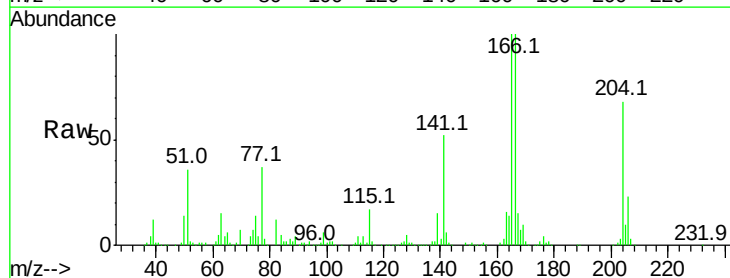
Sohil

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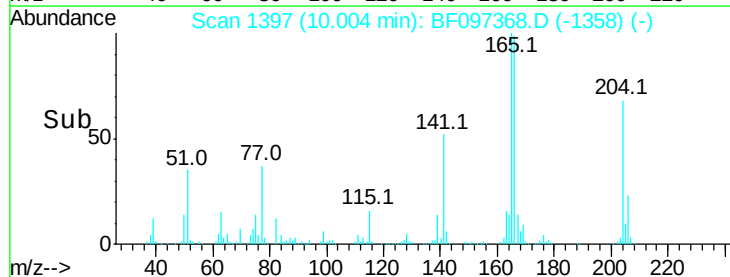
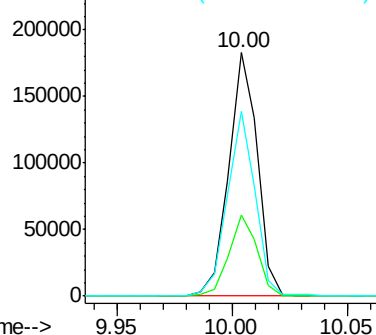


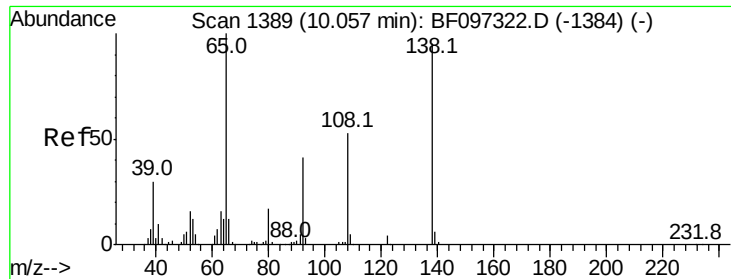
#60
4-Chlorophenyl-phenylether
Concen: 35.667 ng
RT: 10.00 min Scan# 1397
Delta R.T. -0.07 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.2	39.2
141	76.0	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



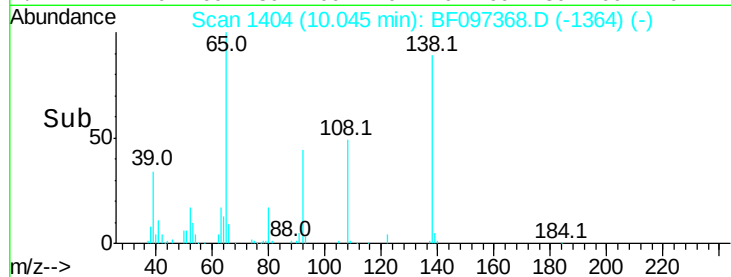
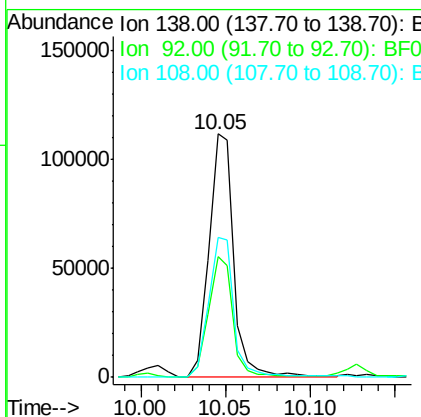
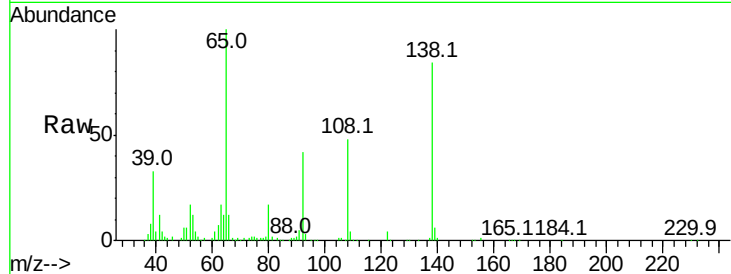


#61
4-Nitroaniline
Concen: 31.815 ng
RT: 10.05 min Scan# 1404
Delta R.T. -0.06 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Instrument :
BNA_F
ClientSampled :
GRAVEL-PILEMS

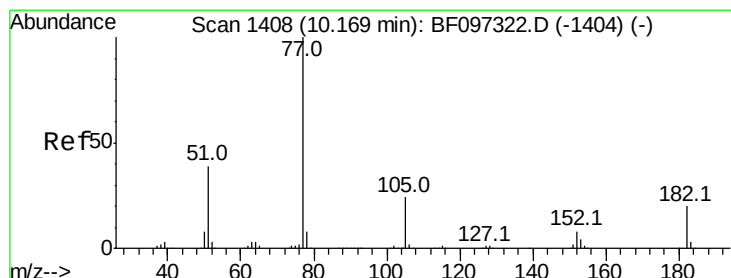
Tot Ion	Ratio	Lower	Upper
138	100		
92	49.7	21.8	61.8
108	57.7	42.3	82.3

Manual Integrations
APPROVED



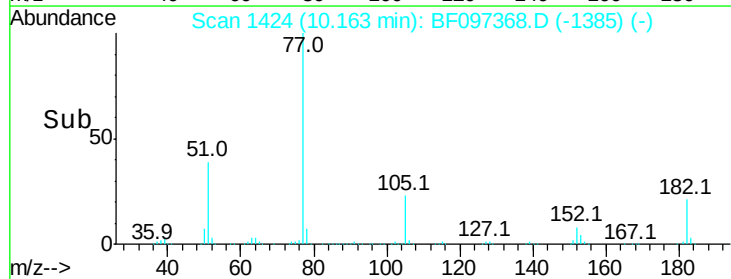
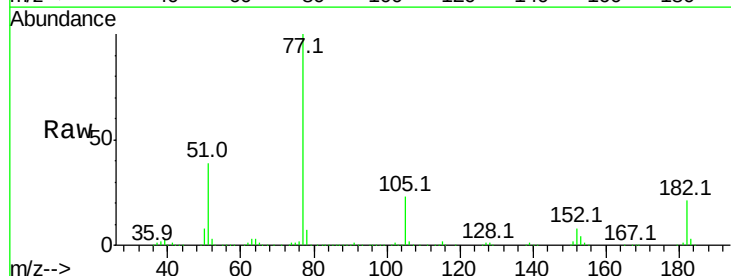
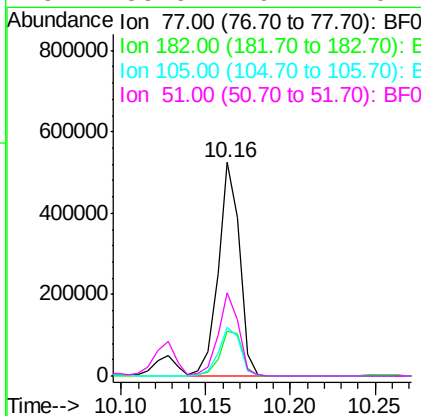
Sohil

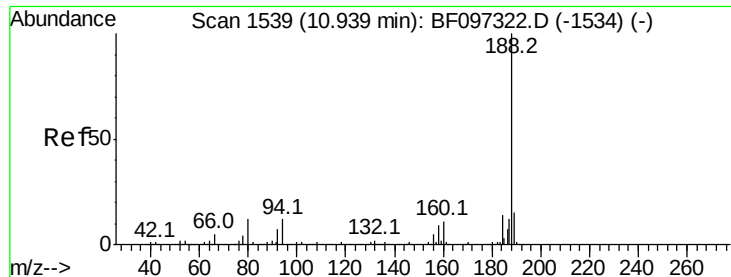
8/7/2017 6:10:00 PM



#62
Azobenzene
Concen: 37.450 ng
RT: 10.16 min Scan# 1424
Delta R.T. -0.07 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Lower	Upper
77	100		
182	20.7	0.1	40.1
105	22.8	3.6	43.6
51	38.9	9.4	49.4



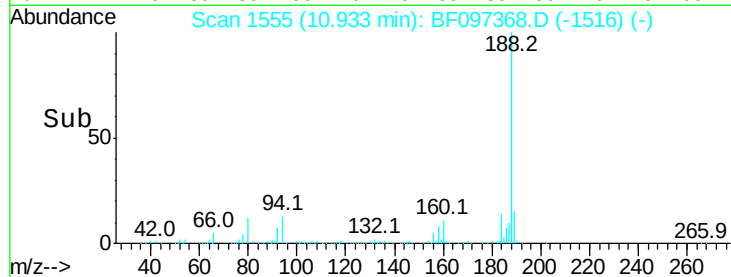
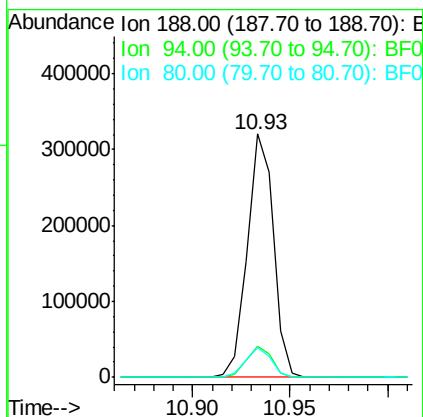
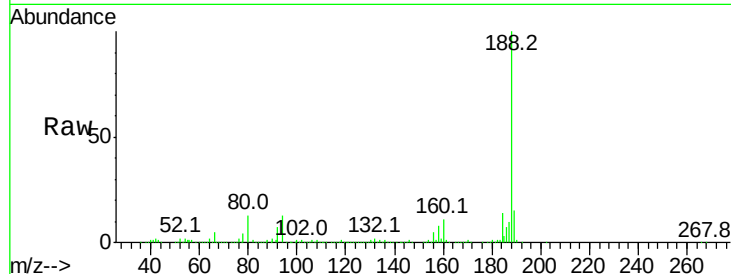


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.93 min Scan# 1555
Delta R.T. -0.07 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

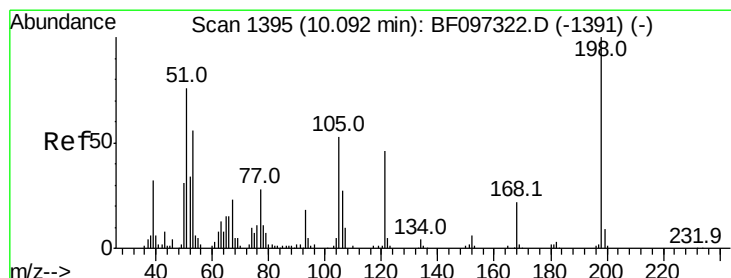
Tot Ion	Ratio	Resp	Lower	Upper
188	100	297401		
94	12.6		9.4	14.2
80	12.5		10.2	15.2

Manual Integrations
APPROVED



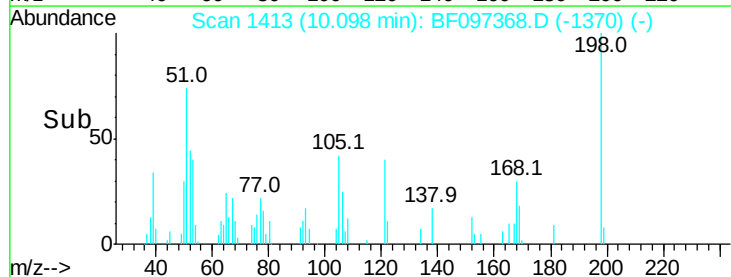
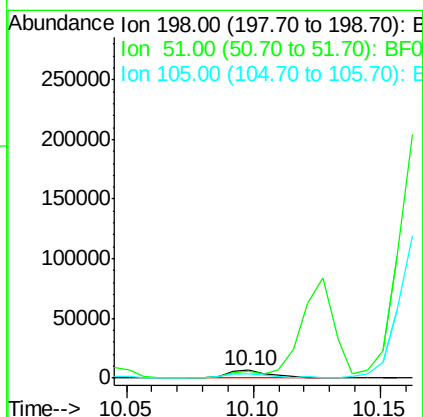
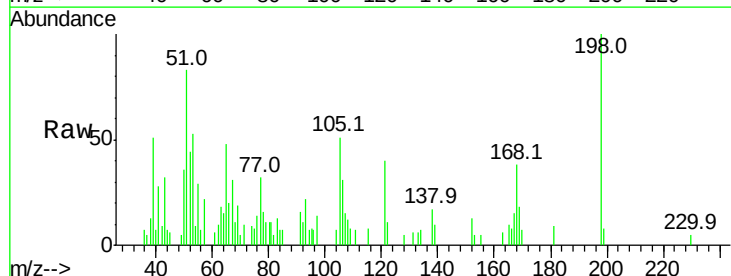
Sohil

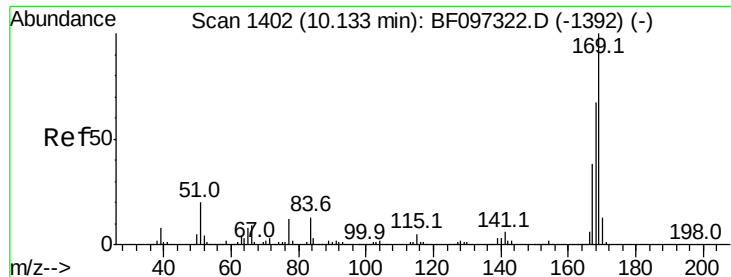
8/7/2017 6:10:00 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 3.758 ng
RT: 10.10 min Scan# 1413
Delta R.T. -0.05 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	6944		
51	82.8		53.2	93.2
105	51.3		45.8	85.8



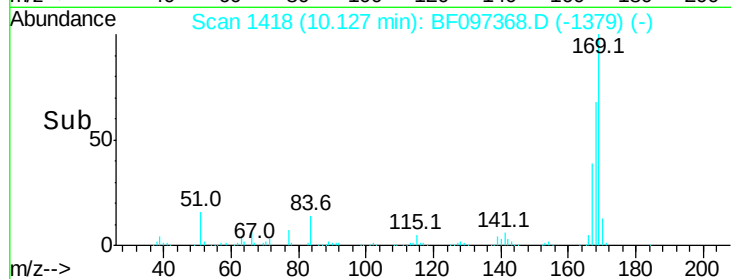
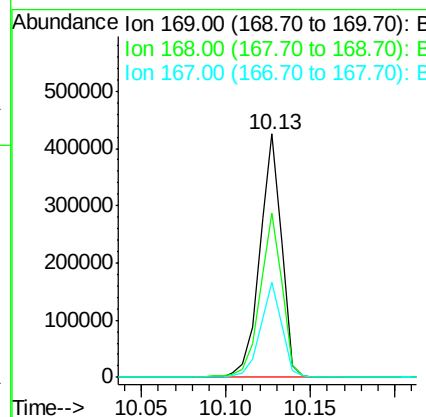
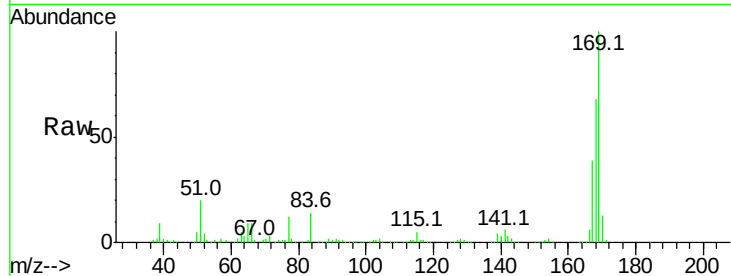


#65
n-Nitrosodiphenylamine
Concen: 36.998 ng
RT: 10.13 min Scan# 1418
Delta R.T. -0.07 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

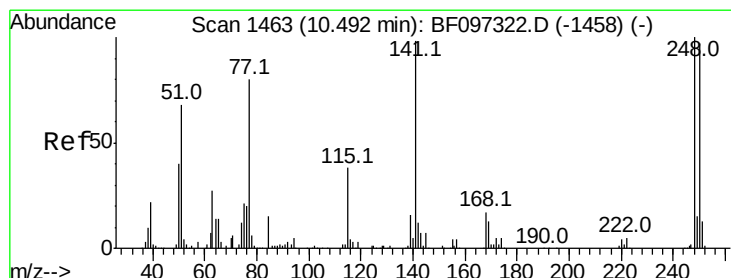
Tot Ion	Ratio	Resp	Lower	Upper
169	100			
168	67.6	53.2	79.8	
167	38.9	29.5	44.3	

Manual Integrations
APPROVED



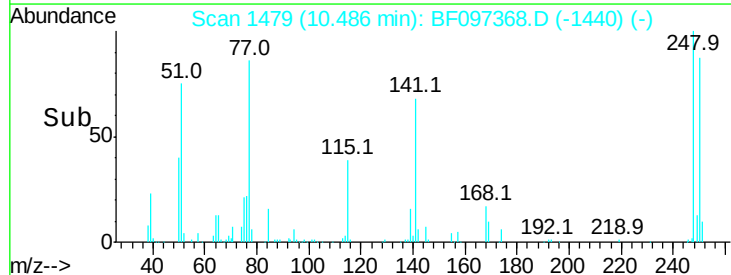
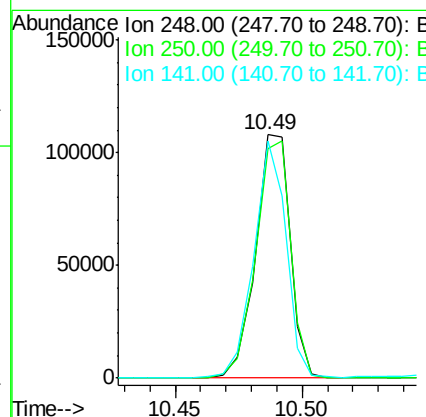
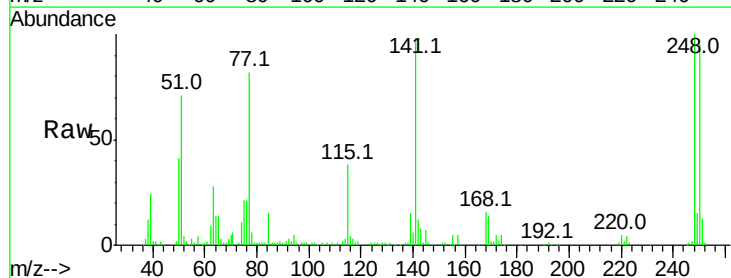
Sohil

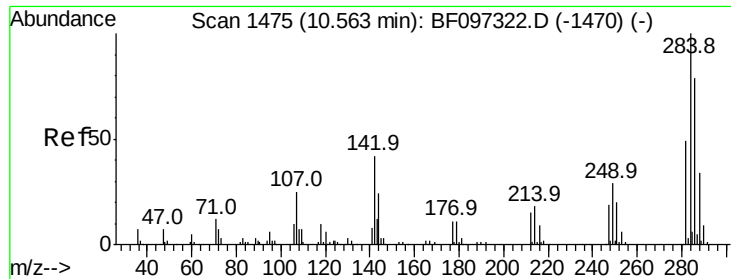
8/7/2017 6:10:00 PM



#66
4-Bromophenyl-phenylether
Concen: 34.768 ng
RT: 10.49 min Scan# 1479
Delta R.T. -0.07 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
248	100			
250	94.5	76.8	115.2	
141	97.6	68.6	103.0	





#67

Hexachlorobenzene

Concen: 30.229 ng

RT: 10.56 min Scan# 1491

Delta R.T. -0.07 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

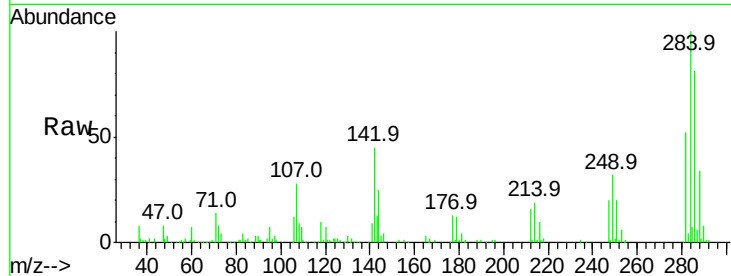
BNA_F

ClientSampleId :

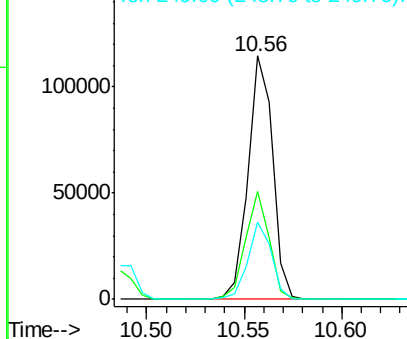
GRAVEL-PILEMS

Tot Ion:	284	Resp:	100610
Ion Ratio		Lower	Upper
284	100		
142	44.6	22.8	34.2#
249	31.6	24.0	36.0

Manual Integrations
APPROVED

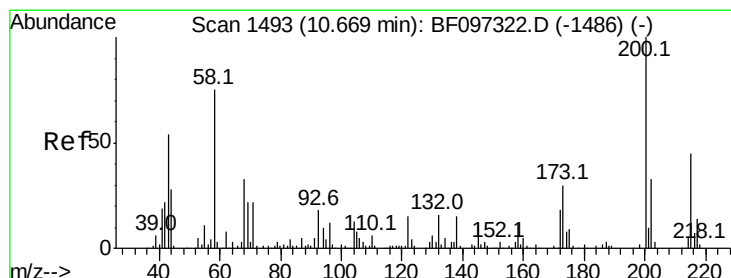
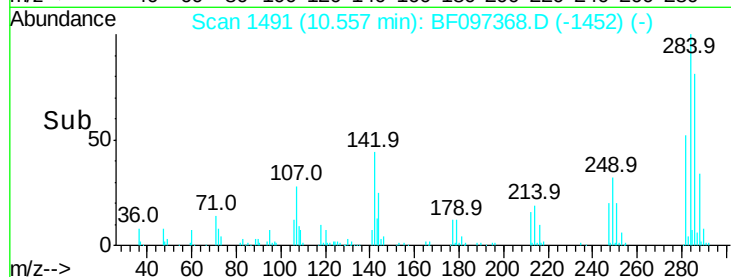


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



Sohil

8/7/2017 6:10:00 PM



#68

Atrazine

Concen: 36.878 ng

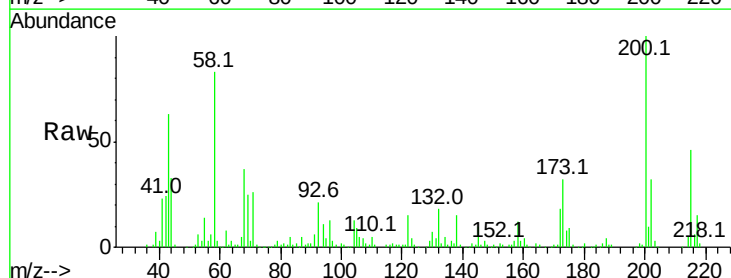
RT: 10.66 min Scan# 1509

Delta R.T. -0.06 min

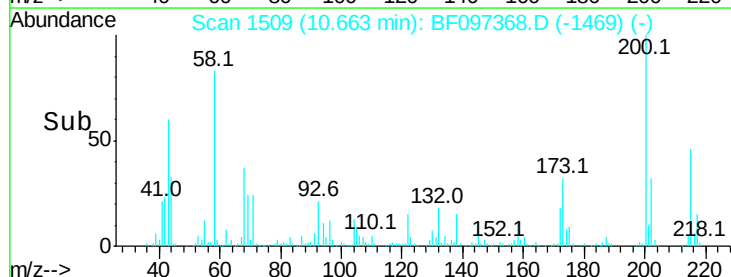
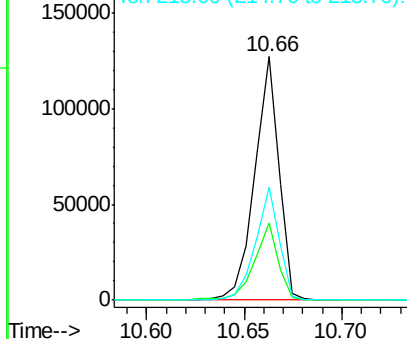
Lab File: BF097368.D

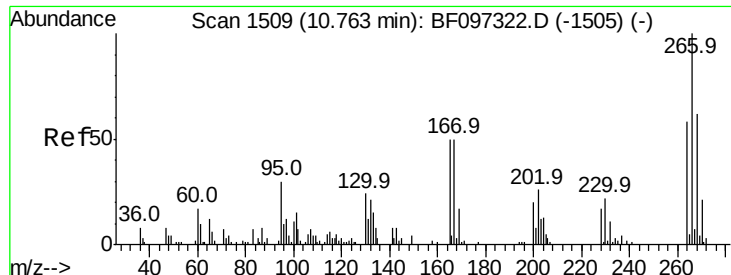
Acq: 4 Aug 2017 21:03

Tgt Ion:	200	Resp:	109426
Ion Ratio		Lower	Upper
200	100		
173	31.7	6.3	46.3
215	46.3	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



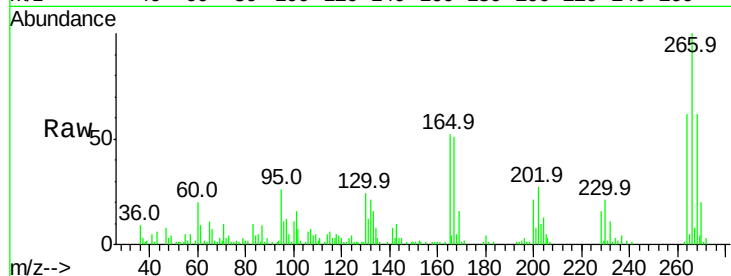


#69
 Pentachlorophenol
 Concen: 43.326 ng
 RT: 10.76 min Scan# 1526
 Delta R.T. -0.06 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

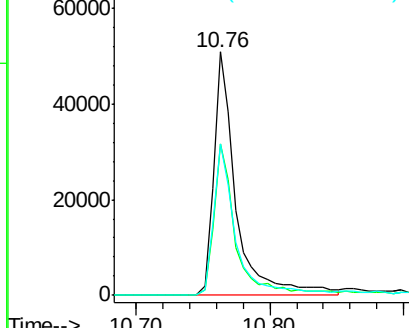
Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	59664		
268	62.0		51.1	76.7
264	62.3		51.7	77.5

Manual Integrations
 APPROVED

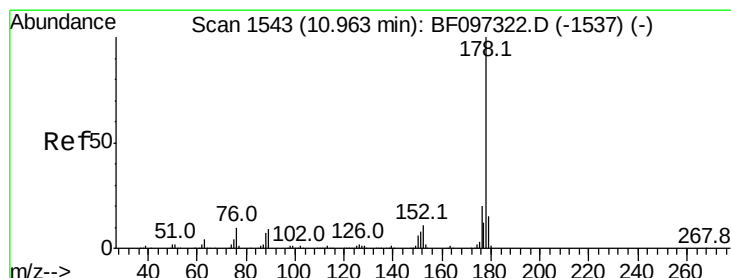
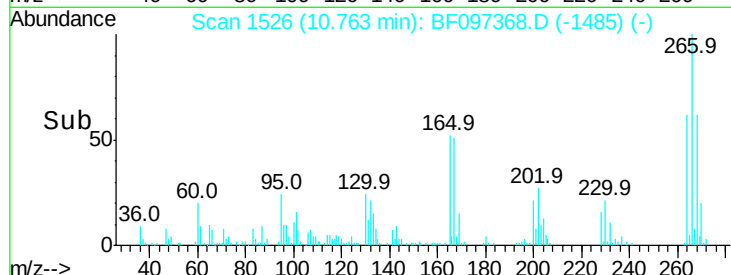


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E



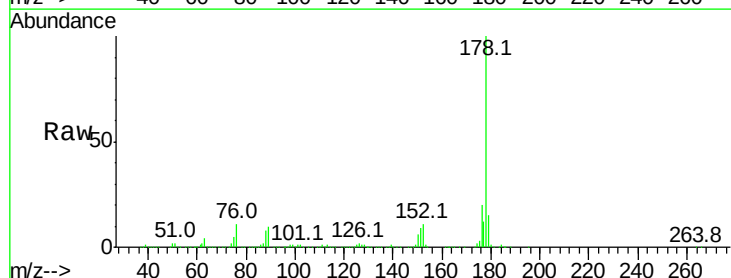
Sohil

8/7/2017 6:10:00 PM

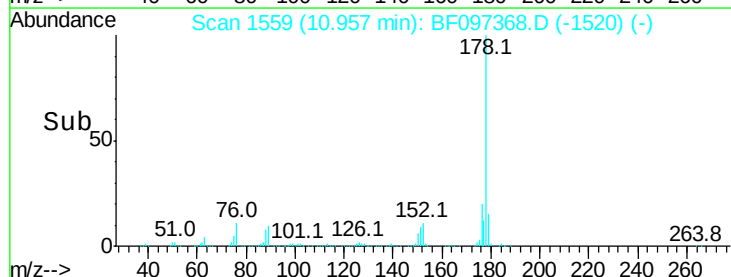
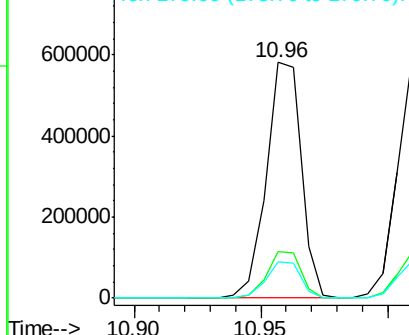


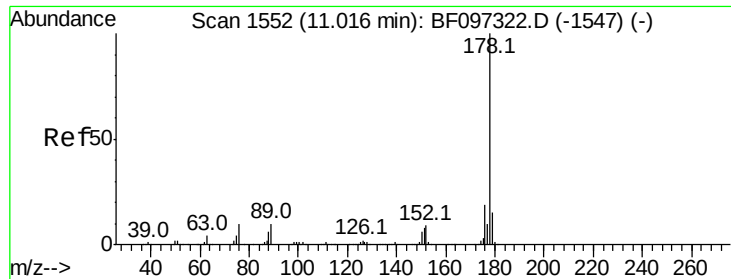
#70
 Phenanthrene
 Concen: 35.038 ng
 RT: 10.96 min Scan# 1559
 Delta R.T. -0.07 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	558321		
176	19.7		16.2	24.4
179	15.3		12.6	19.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



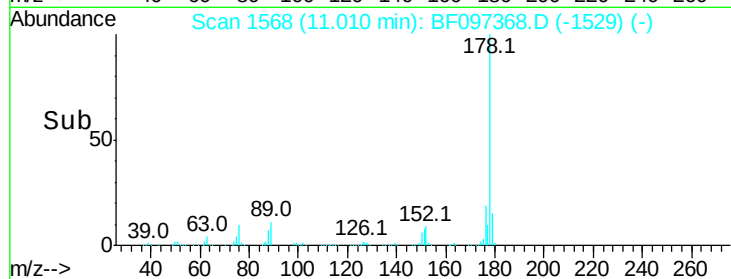
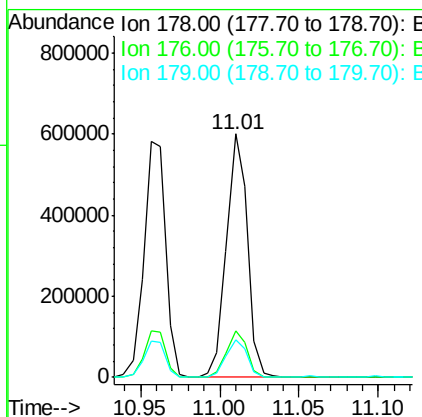
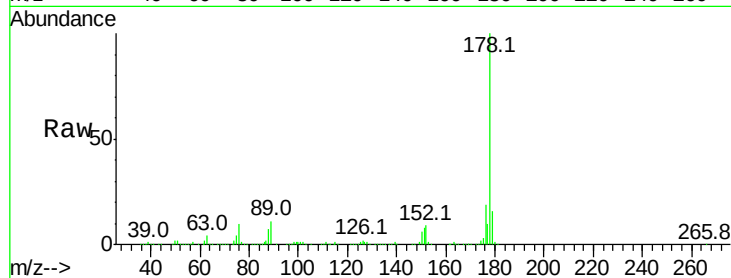


#71
 Anthracene
 Concen: 33.807 ng
 RT: 11.01 min Scan# 1568
 Delta R.T. -0.07 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMS

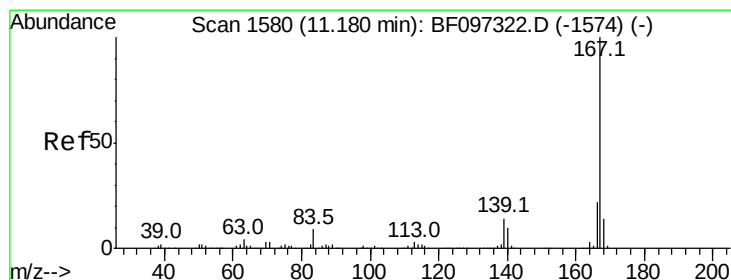
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.5	12.7	19.1

Manual Integrations
 APPROVED



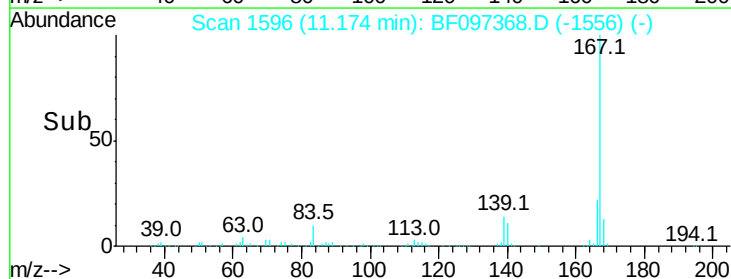
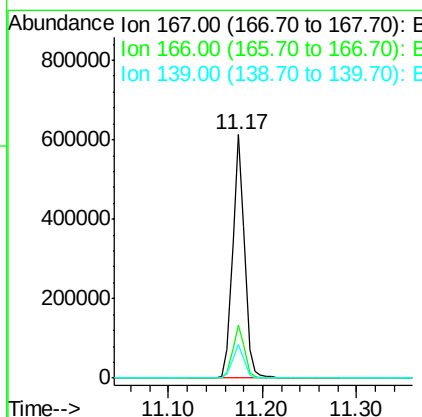
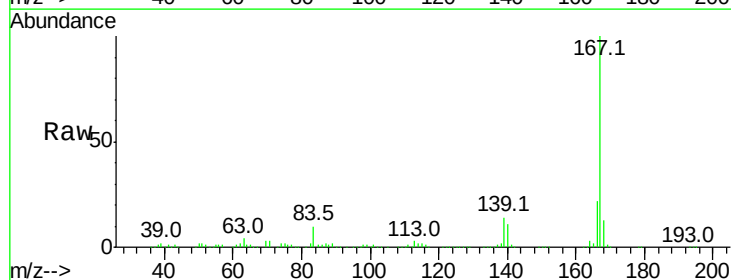
Sohil

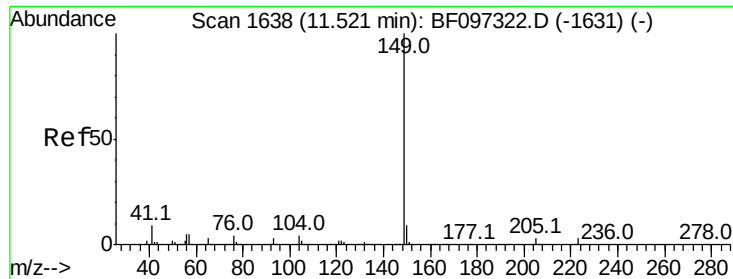
8/7/2017 6:10:00 PM



#72
 Carbazole
 Concen: 33.663 ng
 RT: 11.17 min Scan# 1596
 Delta R.T. -0.06 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	18.1	27.1
139	14.1	11.7	17.5





#73

Di-n-butylphthalate

Concen: 34.301 ng

RT: 11.52 min Scan# 1654

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

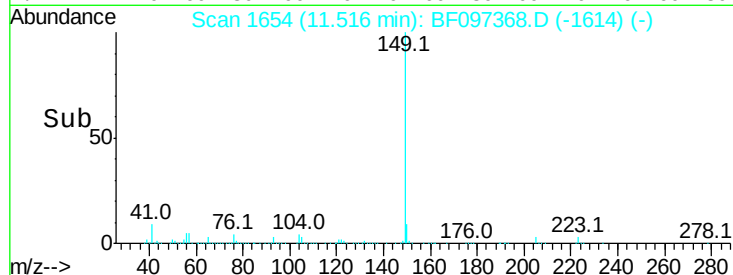
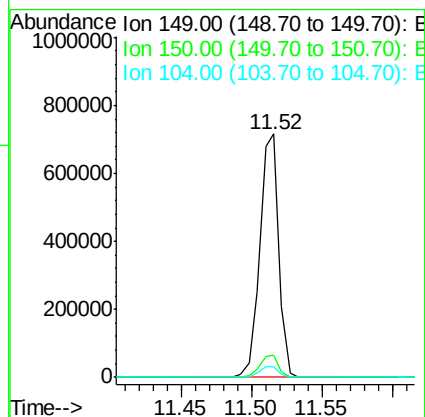
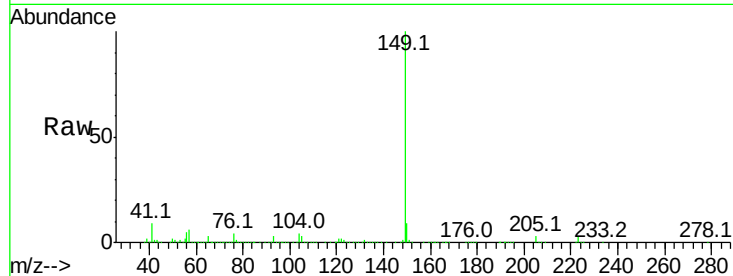
BNA_F

ClientSampleId :

GRAVEL-PILEMS

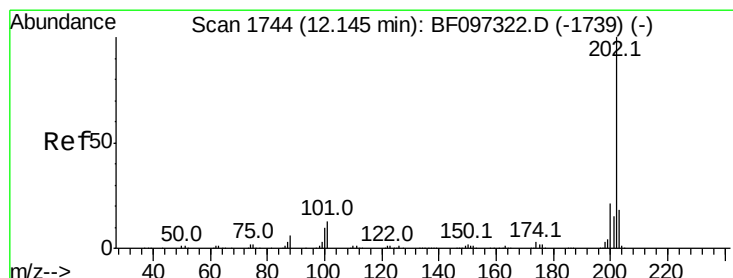
Tot Ion:	149	Resp:	680573
Ion Ratio	Lower	Upper	
149	100		
150	9.1	7.7	11.5
104	4.4	4.0	6.0

Manual Integrations
APPROVED



Sohil

8/7/2017 6:10:00 PM



#74

Fluoranthene

Concen: 32.151 ng

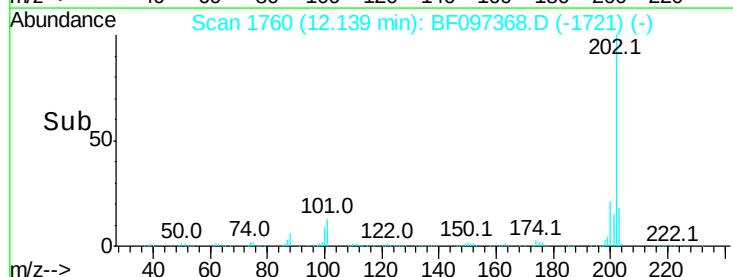
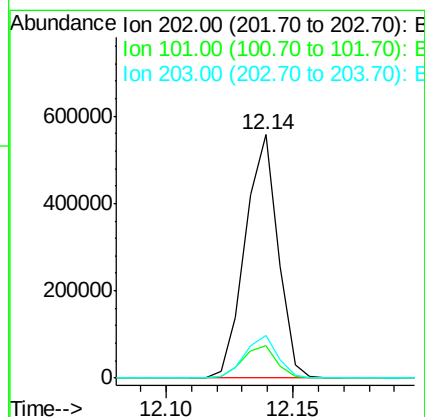
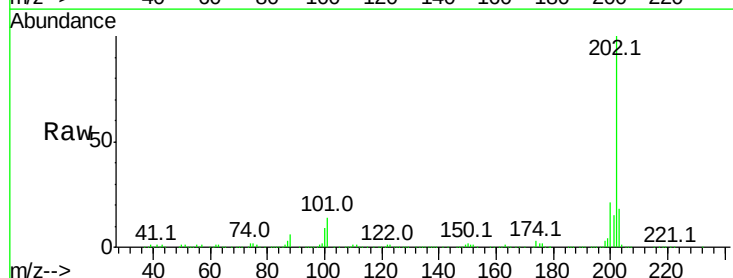
RT: 12.14 min Scan# 1760

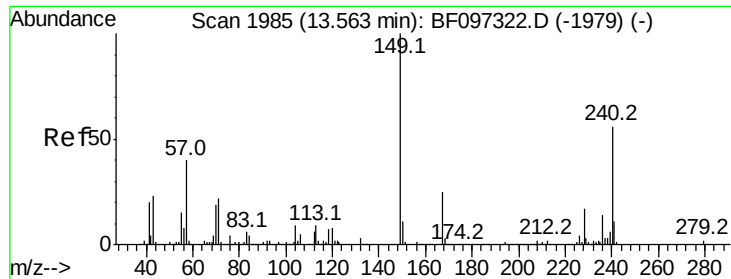
Delta R.T. -0.07 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Tgt Ion:	202	Resp:	501898
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	33.2
203	17.7	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: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

Tot Ion:240 Resp: 171192

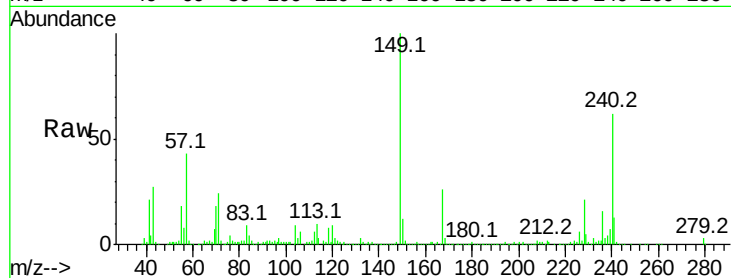
Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

236 25.4 20.5 30.7

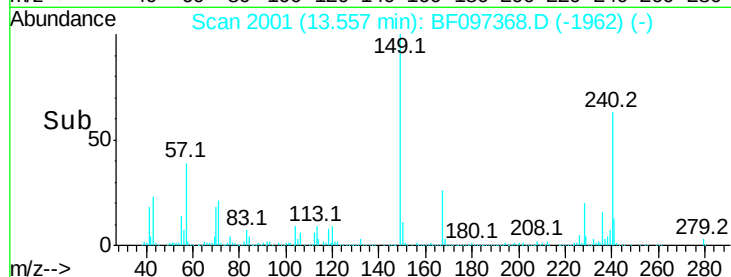
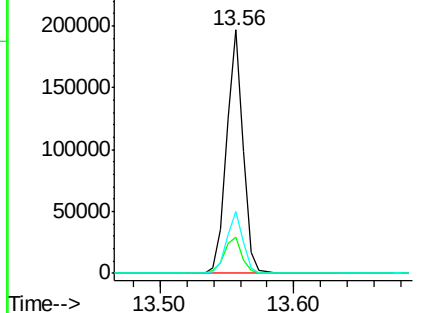
Manual Integrations
APPROVED



Abundance Ion 240.00 (239.70 to 240.70): E

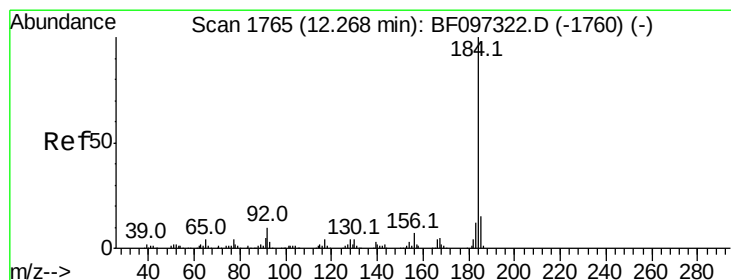
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Sohil

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#76

Benzidine

Concen: 14.229 ng

RT: 12.27 min Scan# 1782

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

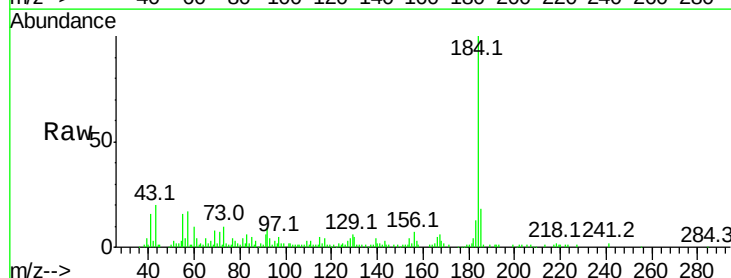
Tgt Ion:184 Resp: 90381

Ion Ratio Lower Upper

184 100

185 17.6 15.5 23.3

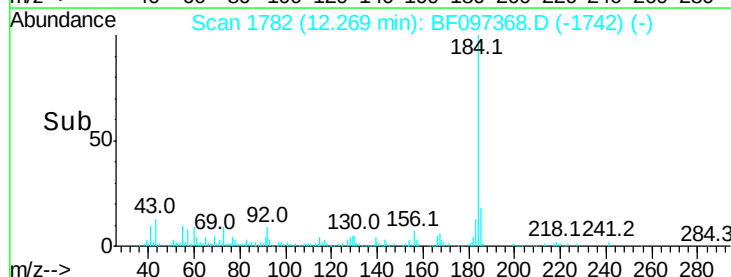
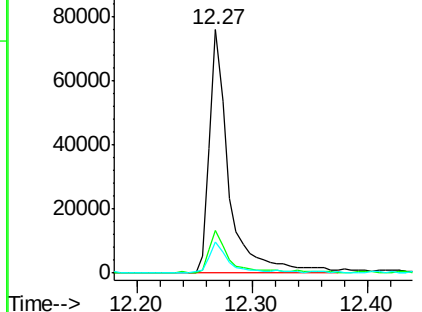
183 12.6 9.8 14.6

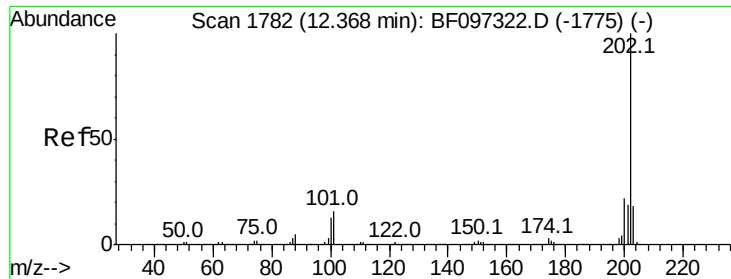


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



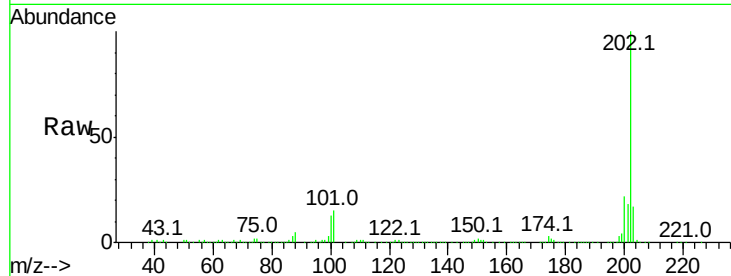


#77
Pvrene
Concen: 35.162 ng
RT: 12.36 min Scan# 1798
Delta R.T. -0.07 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

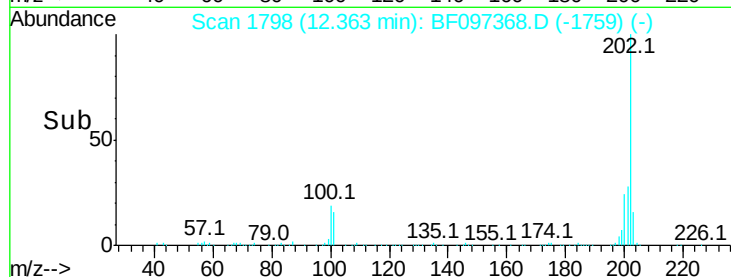
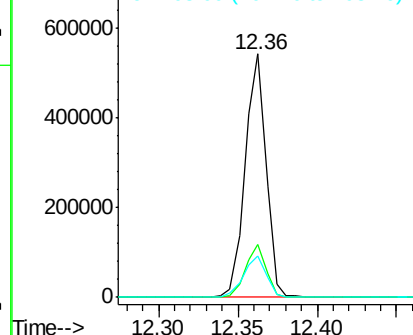
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.6	26.4
203	17.3	14.4	21.6

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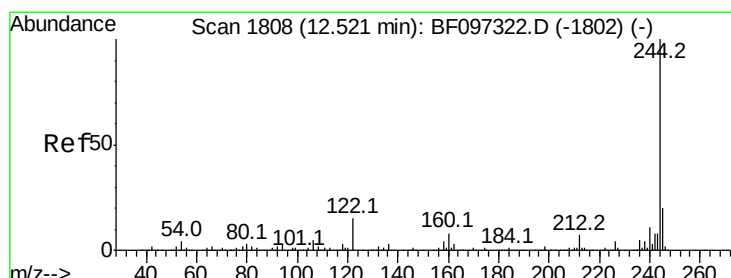


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



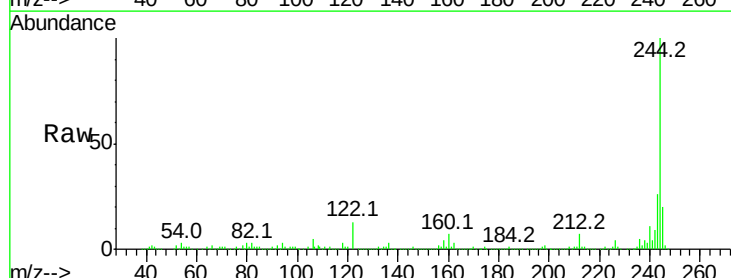
Sohil

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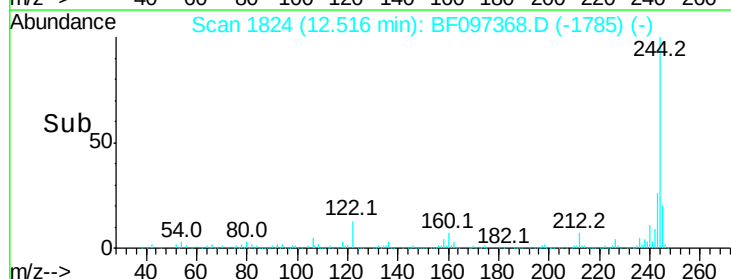
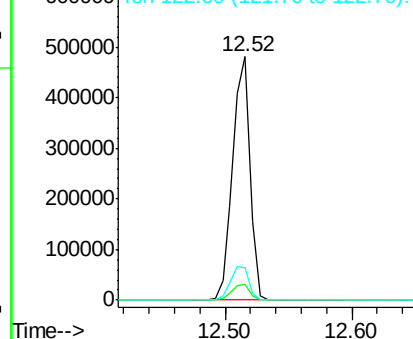


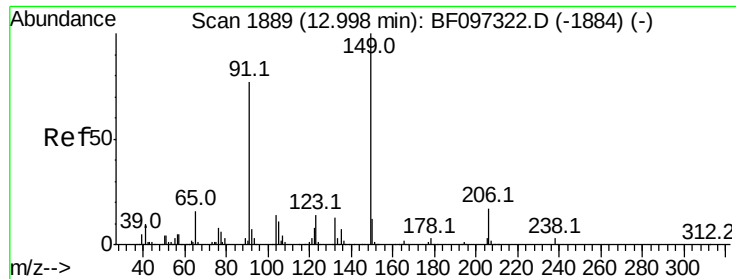
#78
Terphenyl-d14
Concen: 54.128 ng
RT: 12.52 min Scan# 1824
Delta R.T. -0.07 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	13.4	10.3	15.5



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



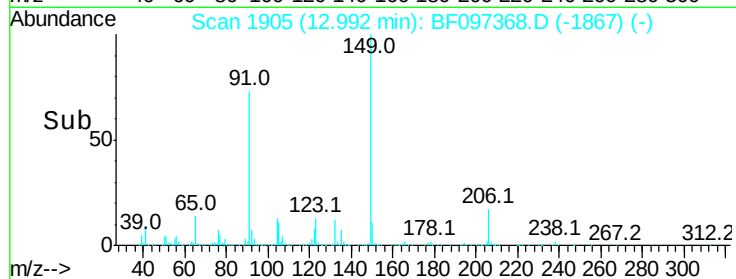
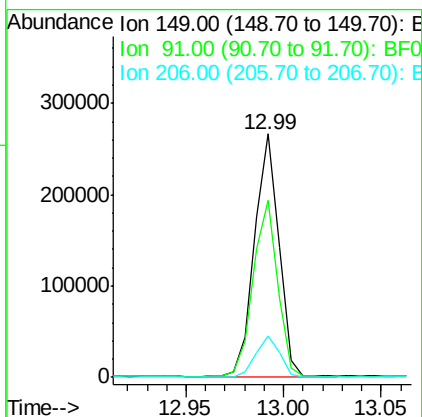
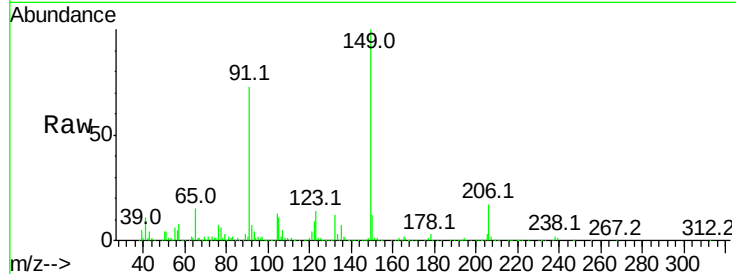


#79
Butylbenzylphthalate
Concen: 32.026 ng
RT: 12.99 min Scan# 1905
Delta R.T. -0.08 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

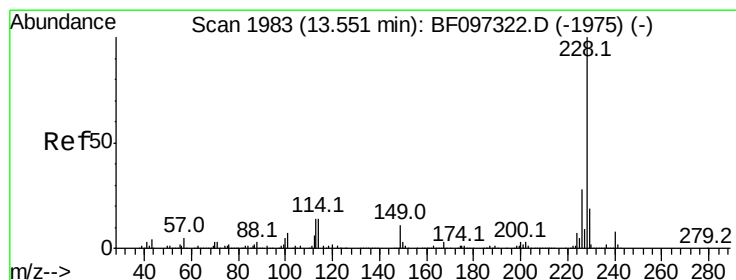
Tot Ion	Ratio	Resp	Lower	Upper
149	100	228317		
91	72.9	45.0	67.4#	
206	16.9	17.0	25.6#	

Manual Integrations
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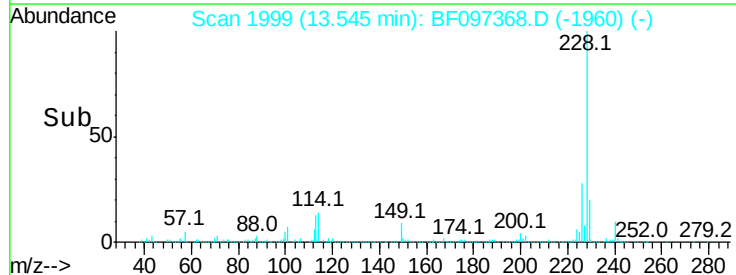
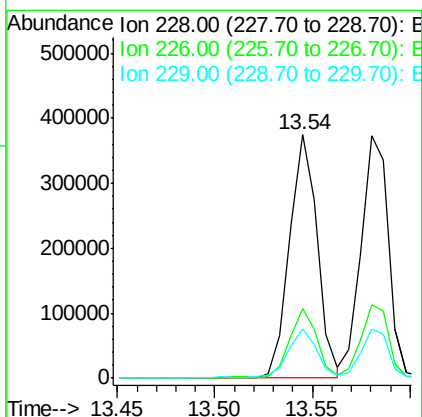
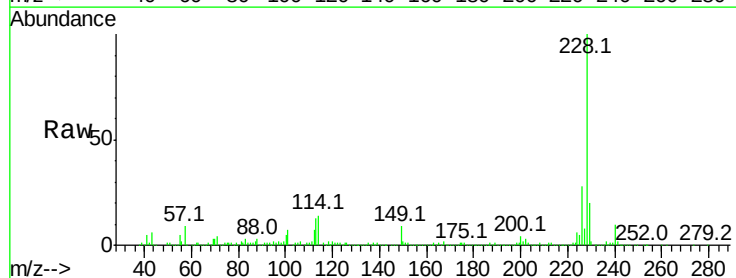
Sohil

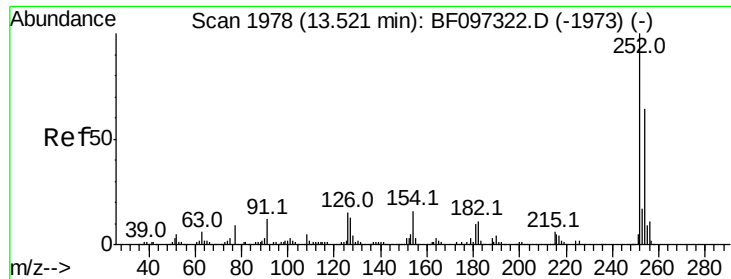
8/7/2017 6:10:00 PM



#80
Benzo(a)anthracene
Concen: 33.372 ng
RT: 13.54 min Scan# 1999
Delta R.T. -0.07 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	369658		
226	28.3	22.6	33.8	
229	20.4	16.3	24.5	



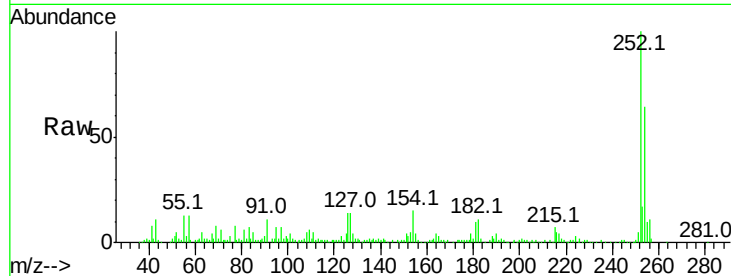


#81
 3,3'-Dichlorobenzidine
 Concen: 25.494 ng
 RT: 13.52 min Scan# 1994
 Delta R.T. -0.07 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

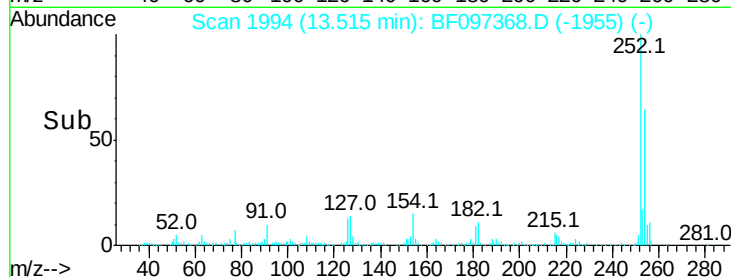
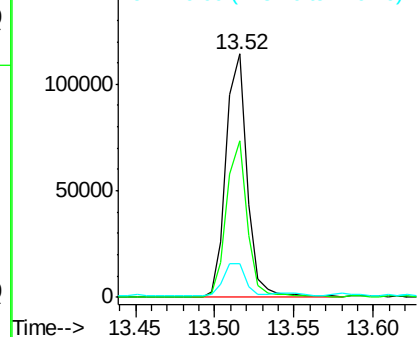
Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	64.4	51.5	77.3
126	13.7	15.8	23.8

Manual Integrations
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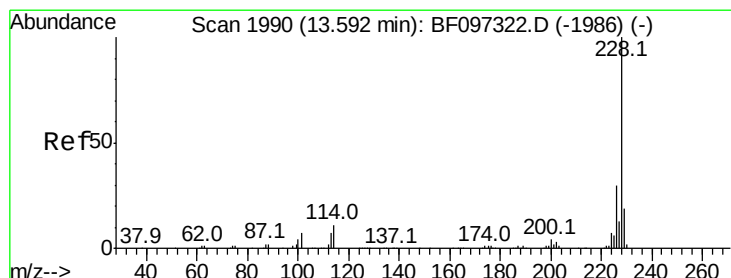


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E



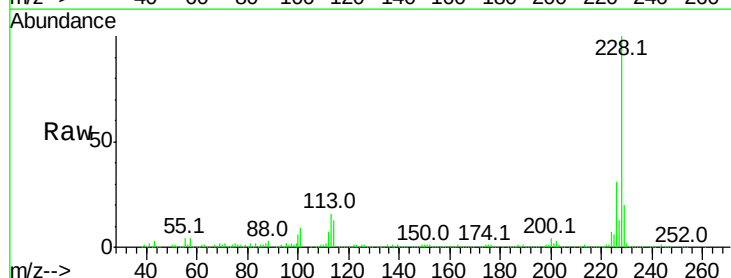
Sohil

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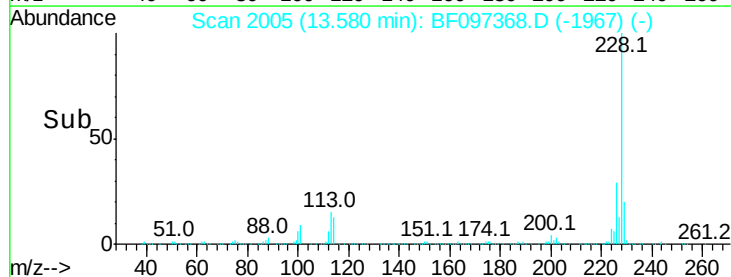
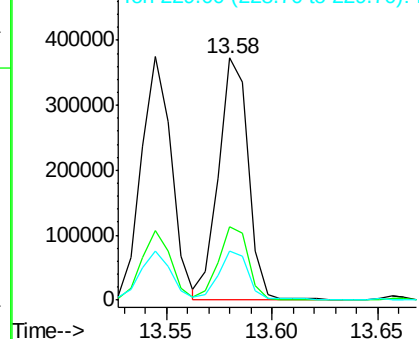


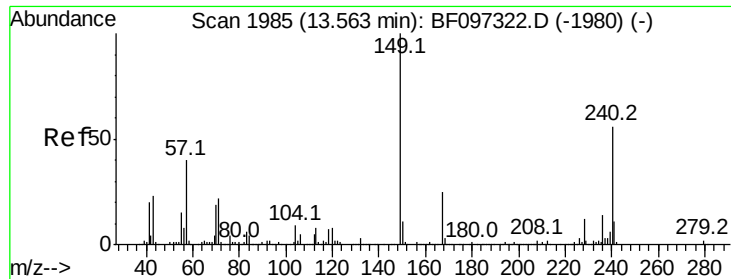
#82
 Chrysene
 Concen: 33.473 ng
 RT: 13.58 min Scan# 2005
 Delta R.T. -0.08 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.5	24.9	37.3
229	20.4	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



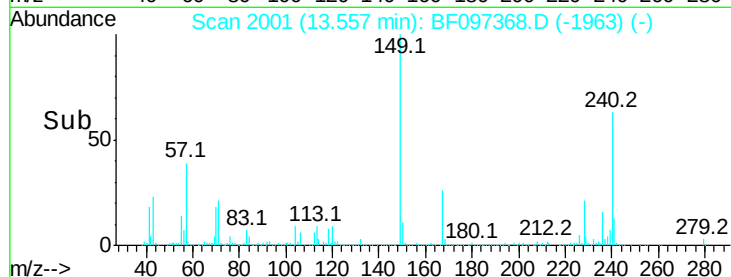
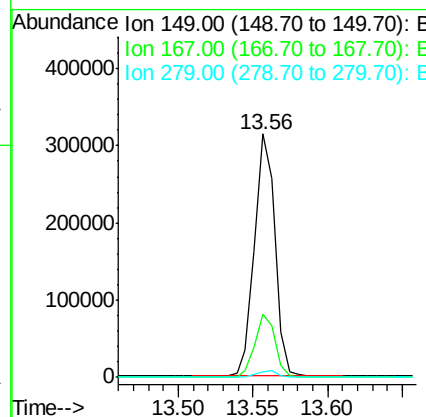
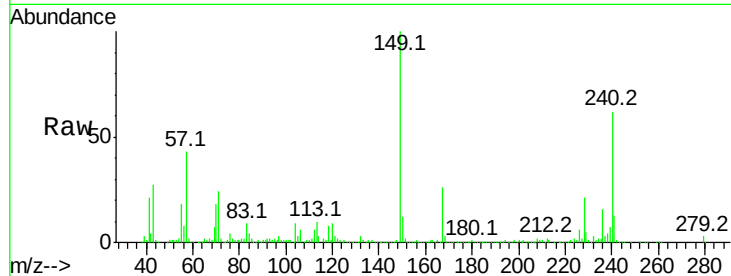


#83
 Bis(2-ethylhexyl)phthalate
 Concen: 31.776 ng
 RT: 13.56 min Scan# 2001
 Delta R.T. -0.08 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMS

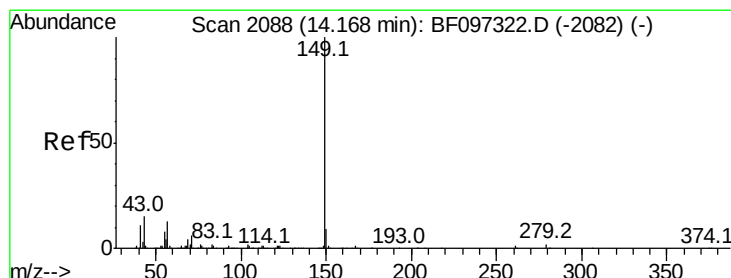
Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	26.1	21.0	31.4	
279	2.5	1.9	2.9	

Manual Integrations
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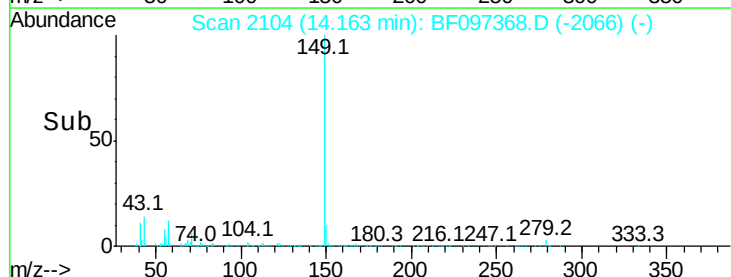
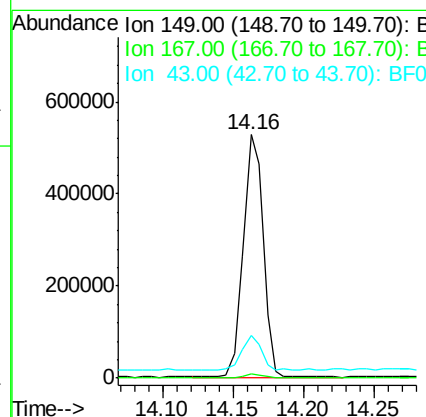
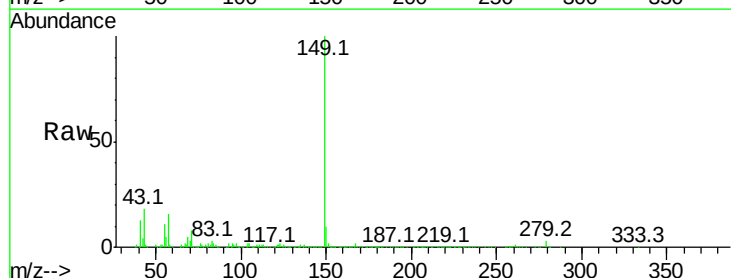
Sohil

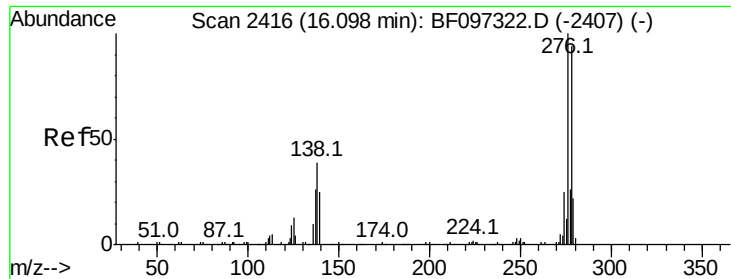
8/7/2017 6:10:00 PM



#84
 Di-n-octyl phthalate
 Concen: 30.259 ng
 RT: 14.16 min Scan# 2104
 Delta R.T. -0.08 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.5	1.2	1.8	
43	14.4	8.5	12.7	



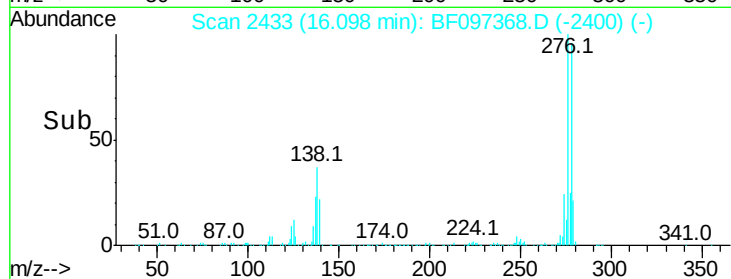
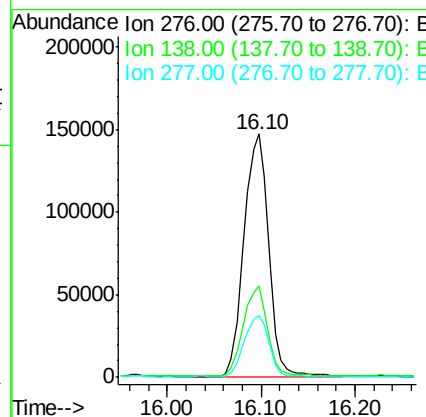
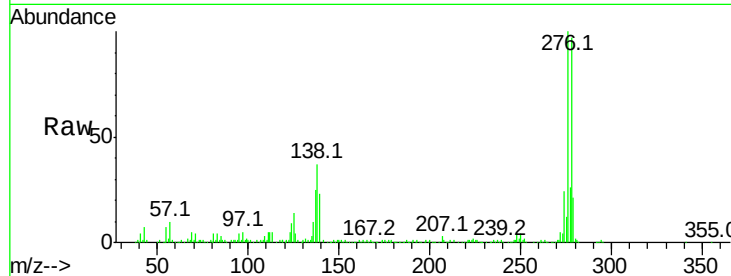


#85
 Indeno(1,2,3-cd)pyrene
 Concen: 28.881 ng
 RT: 16.10 min Scan# 2433
 Delta R.T. -0.11 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMS

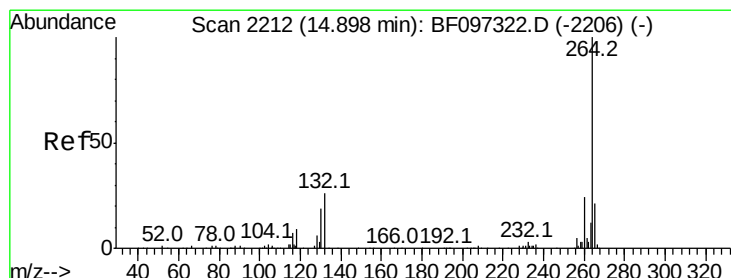
Tot Ion	Ratio	Resp	Lower	Upper
276	100	267857		
138	36.2		27.8	41.6
277	25.9		20.2	30.4

Manual Integrations
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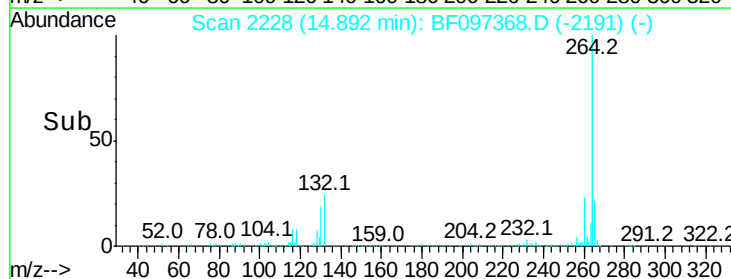
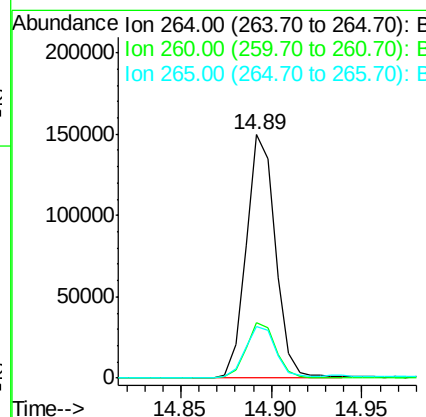
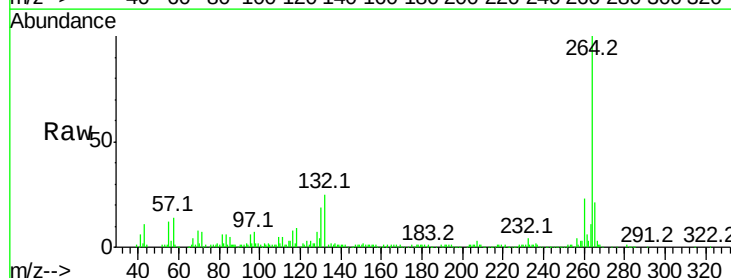
Sohil

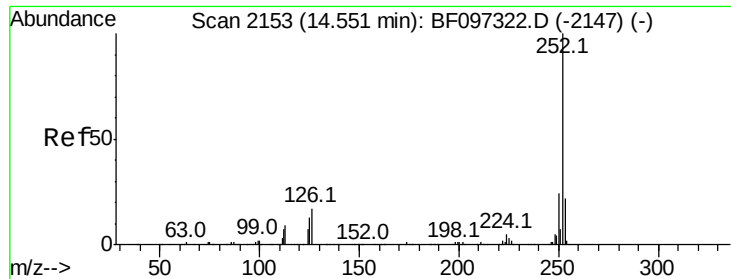
8/7/2017 6:10:00 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.89 min Scan# 2228
 Delta R.T. -0.08 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	167914		
260	22.9		19.5	29.3
265	21.4		17.2	25.8



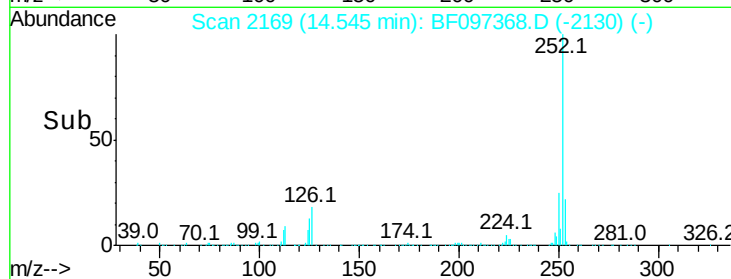
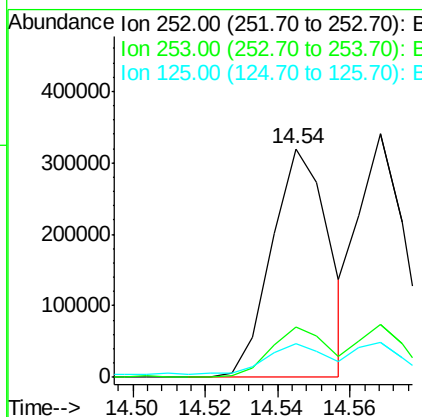
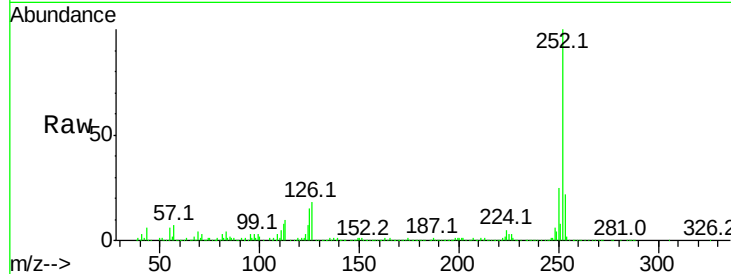


#87
Benzo(b)fluoranthene
Concen: 34.653 ng
RT: 14.54 min Scan# 2169
Delta R.T. -0.07 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

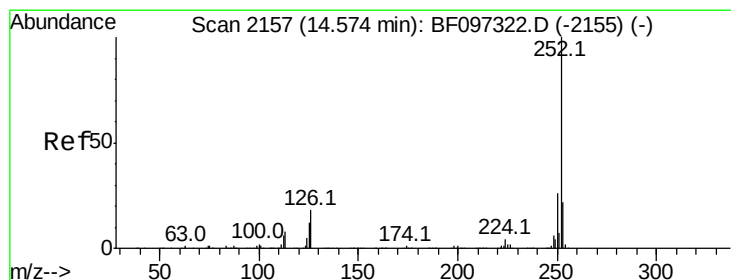
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	14.6	9.8	14.8

Manual Integrations
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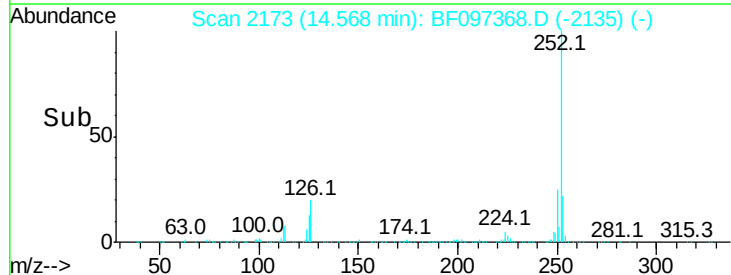
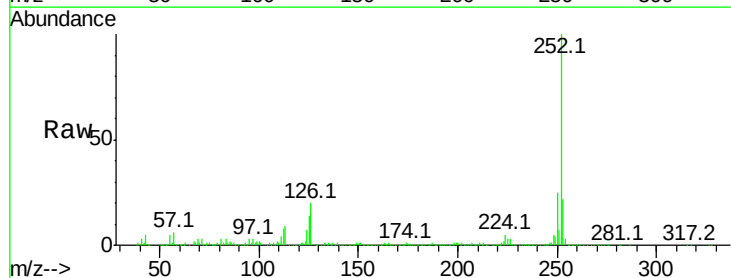
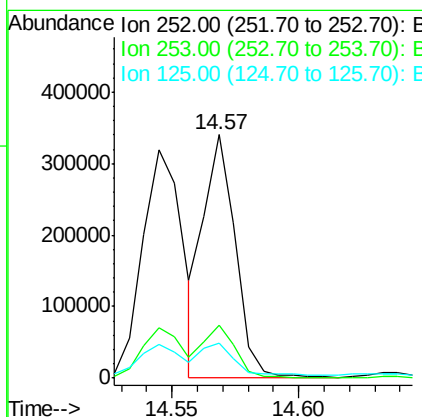
Sohil

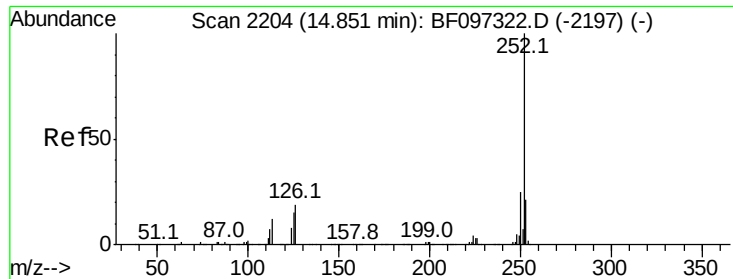
8/7/2017 6:10:00 PM



#88
Benzo(k)fluoranthene
Concen: 30.766 ng
RT: 14.57 min Scan# 2173
Delta R.T. -0.08 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.4	27.6
125	14.3	13.1	19.7



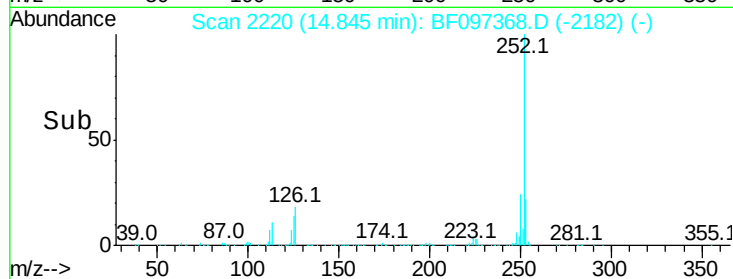
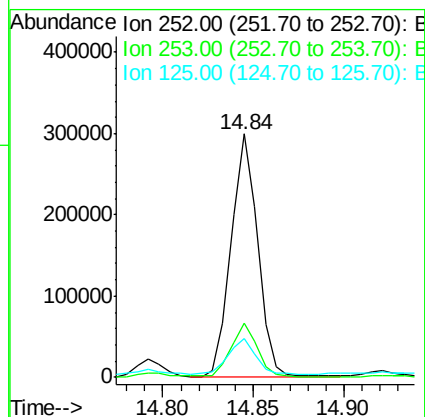
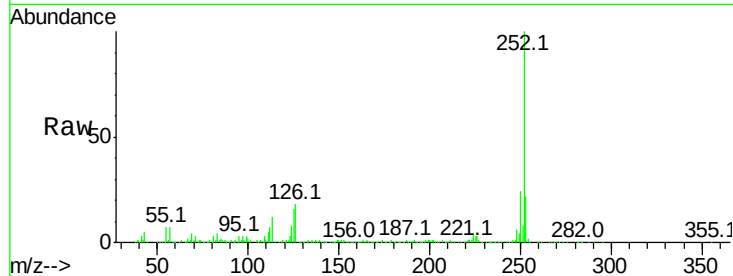


#89
Benzo(a)pyrene
Concen: 33.413 ng
RT: 14.84 min Scan# 2220
Delta R.T. -0.08 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

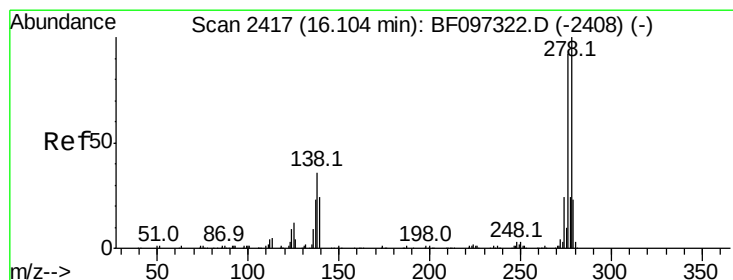
Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.1	17.5	26.3	
125	15.8	11.0	16.4	

Manual Integrations
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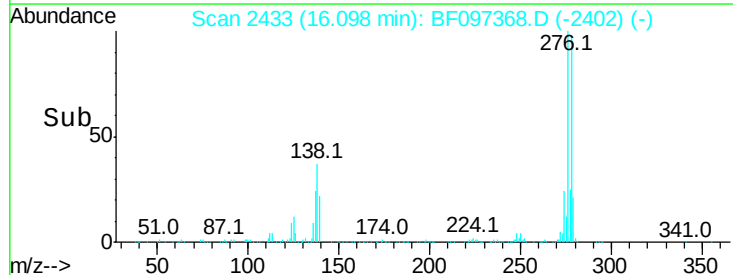
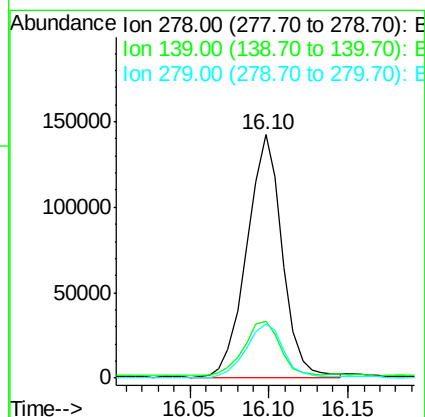
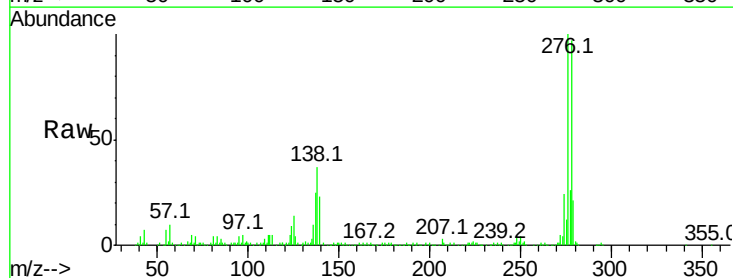
Sohil

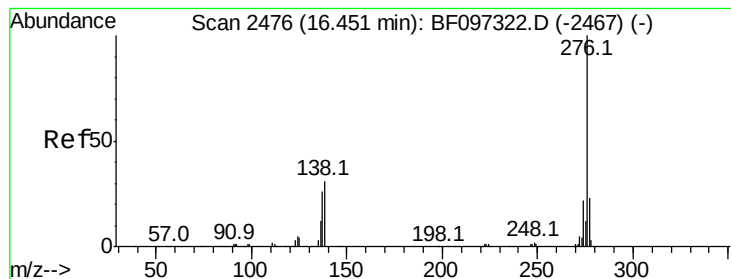
8/7/2017 6:10:00 PM



#90
Dibenzo(a,h)anthracene
Concen: 29.007 ng
RT: 16.10 min Scan# 2433
Delta R.T. -0.12 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
278	100			
139	23.5	16.6	24.8	
279	22.1	19.3	28.9	



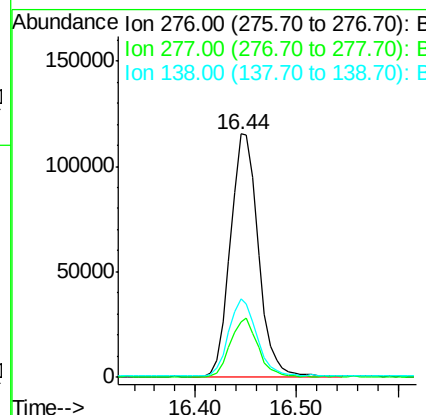
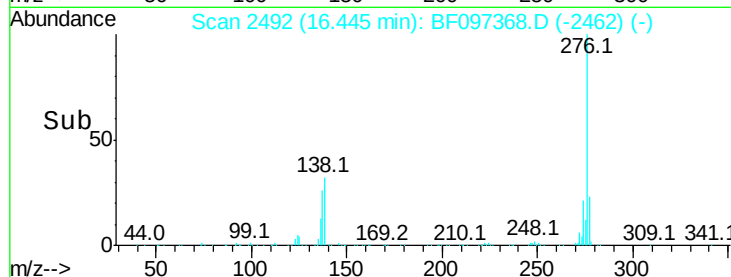
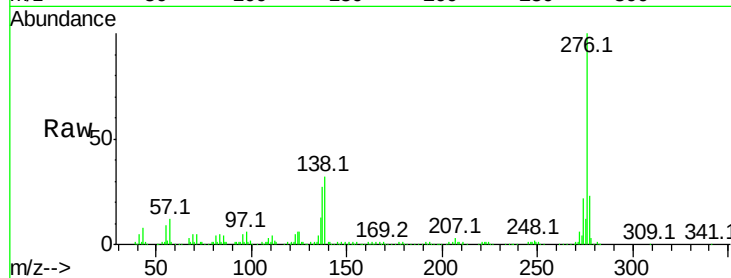


#91
 Benzo(a,h,i)perylene
 Concen: 27.781 ng
 RT: 16.44 min Scan# 2492
 Delta R.T. -0.12 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMS

Tot Ion:	276	Resp:	220698
Ion Ratio	Lower	Upper	
276	100		
277	22.9	18.6	28.0
138	32.5	25.4	38.0

Manual Integrations
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Sohil

8/7/2017 6:10:00 PM