

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

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

Quant Time: Aug 04 23:02:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

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

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.05	112	725635	91.95	ng	-0.05
7) Phenol-d6	6.12	99	879705	97.65	ng	-0.05
23) Nitrobenzene-d5	7.02	82	523482	61.33	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	121153	77.92	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	597527	51.53	ng	-0.07
78) Terphenyl-d14	12.51	244	426304	47.48	ng	-0.08

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.99	88	94557	28.71	ng	# 74
3) Pyridine	2.60	79	302023	29.95	ng	# 65
4) n-Nitrosodimethylamine	2.55	42	180752	32.36	ng	83
6) Aniline	6.10	93	275345	24.29	ng	96
8) 2-Chlorophenol	6.23	128	262980	31.17	ng	95
9) Benzaldehyde	5.98	77	146535	27.48	ng	94
10) Phenol	6.13	94	392925	36.77	ng	95
11) bis(2-Chloroethyl)ether	6.19	93	236448	27.98	ng	93
12) 1,3-Dichlorobenzene	6.37	146	263991	29.03	ng	97
13) 1,4-Dichlorobenzene	6.46	146	275540	30.58	ng	95
14) 1,2-Dichlorobenzene	6.61	146	238641	30.33	ng	97
15) Benzyl Alcohol	6.60	79	214946	37.69	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.73	45	546531	32.24	ng	95
17) 2-Methylphenol	6.74	107	209265	32.13	ng	# 90
18) Hexachloroethane	6.95	117	96276	29.20	ng	# 79
19) n-Nitroso-di-n-propylamine	6.87	70	221473	37.35	ng	# 82
20) 3+4-Methylphenols	6.90	107	323510	38.04	ng	# 61
22) Acetophenone	6.86	105	413463	34.38	ng	# 96
24) Nitrobenzene	7.03	77	294155	33.09	ng	93
25) Isophorone	7.27	82	492816	29.48	ng	98
26) 2-Nitrophenol	7.35	139	119107	24.77	ng	# 89
27) 2,4-Dimethylphenol	7.41	122	225810	28.46	ng	99
28) bis(2-Chloroethoxy)methane	7.49	93	333993	30.62	ng	99
29) 2,4-Dichlorophenol	7.61	162	220641	32.28	ng	96
30) 1,2,4-Trichlorobenzene	7.67	180	185477	28.47	ng	97
31) Naphthalene	7.75	128	751935	31.86	ng	100
33) 4-Chloroaniline	7.81	127	201439	20.97	ng	97
34) Hexachlorobutadiene	7.87	225	96183	27.85	ng	96
35) Caprolactam	8.17	113	71791	32.76	ng	# 39
36) 4-Chloro-3-methylphenol	8.32	107	221123	29.66	ng	88
37) 2-Methylnaphthalene	8.43	142	456168	30.52	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.60	216	156031	29.72	ng	100
40) Hexachlorocyclopentadiene	8.59	237	13447	13.31	ng	97
42) 2,4,6-Trichlorophenol	8.73	196	110133	28.94	ng	97

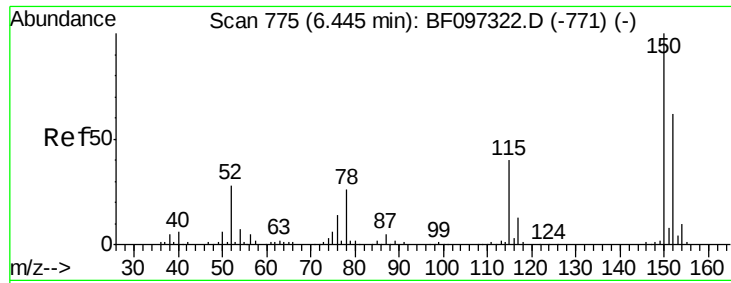
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	8.78	196	106311	27.91	nq	97
45) 1,1'-Biphenyl	8.90	154	512251	30.48	nq	97
46) 2-Chloronaphthalene	8.92	162	393088	31.78	nq	# 92
47) 2-Nitroaniline	9.03	65	164615	36.67	nq	98
48) Acenaphthylene	9.33	152	563225	29.67	nq	97
49) Dimethylphthalate	9.20	163	651371	43.59	nq	99
50) 2,6-Dinitrotoluene	9.27	165	100311	31.65	nq	# 74
51) Acenaphthene	9.50	154	324176	28.99	nq	99
52) 3-Nitroaniline	9.44	138	110568	28.11	nq	83
54) Dibenzofuran	9.67	168	462041	31.02	nq	96
55) 4-Nitrophenol	9.67	139	295554	126.33	nq	# 35
56) 2,4-Dinitrotoluene	9.67	165	114106	31.32	nq	# 65
57) Fluorene	10.01	166	349387	31.21	nq	96
58) 2,3,4,6-Tetrachlorophenol	9.80	232	74447	28.31	nq	99
59) Diethylphthalate	9.90	149	425391	31.03	nq	99
60) 4-Chlorophenyl-phenylether	10.00	204	144433	31.24	nq	98
61) 4-Nitroaniline	10.05	138	111253	29.76	nq	91
62) Azobenzene	10.16	77	400663	31.50	nq	91
64) 4,6-Dinitro-2-methylphenol	10.10	198	5274	2.91	nq	89
65) n-Nitrosodiphenylamine	10.13	169	343507	33.84	nq	97
66) 4-Bromophenyl-phenylether	10.49	248	95419	32.78	nq	95
67) Hexachlorobenzene	10.56	284	93327	28.59	nq	# 88
68) Atrazine	10.66	200	97592	33.53	nq	96
69) Pentachlorophenol	10.76	266	48815	36.14	nq	94
70) Phenanthrene	10.96	178	514927	32.94	nq	99
71) Anthracene	11.01	178	480204	30.00	nq	99
72) Carbazole	11.17	167	483009	30.68	nq	98
73) Di-n-butylphthalate	11.52	149	635269	32.64	nq	98
74) Fluoranthene	12.14	202	524094	34.23	nq	98
76) Benzidine	12.27	184	94304	13.88	nq	# 93
77) Pyrene	12.36	202	512770	34.22	nq	99
79) Butylbenzylphthalate	12.99	149	222515	29.19	nq	# 80
80) Benzo(a)anthracene	13.54	228	370138	31.25	nq	99
81) 3,3'-Dichlorobenzidine	13.52	252	104680	23.44	nq	# 96
82) Chrysene	13.58	228	354594	30.66	nq	98
83) Bis(2-ethylhexyl)phthalate	13.56	149	285384	28.67	nq	100
84) Di-n-octyl phthalate	14.16	149	498357	27.28	nq	# 89
85) Indeno(1,2,3-cd)pyrene	16.10	276	250950	25.30	nq	98
87) Benzo(b)fluoranthene	14.54	252	373994	32.98	nq	# 95
88) Benzo(k)fluoranthene	14.57	252	318351	29.46	nq	99
89) Benzo(a)pyrene	14.84	252	323935	31.22	nq	# 96
90) Dibenzo(a,h)anthracene	16.10	278	203716	23.94	nq	95
91) Benzo(g,h,i)perylene	16.45	276	208197	23.33	nq	98

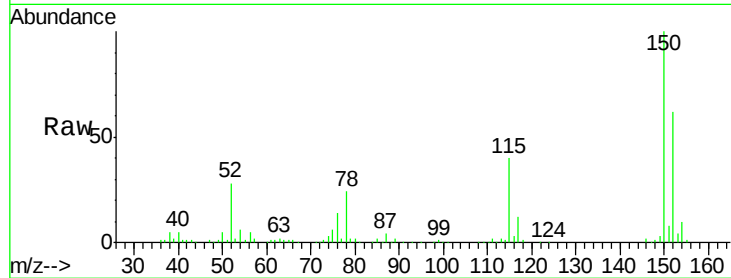
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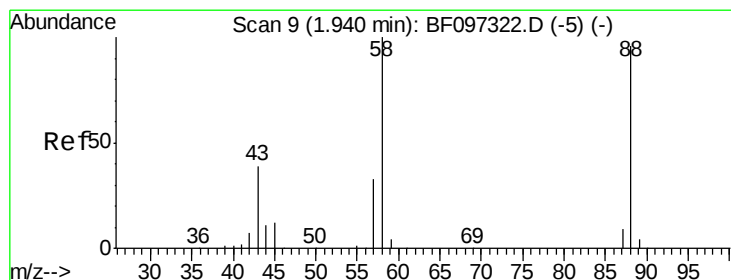
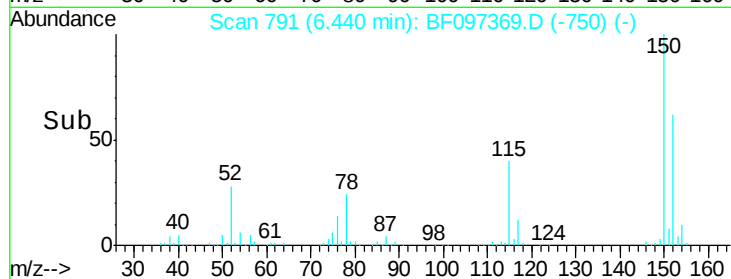
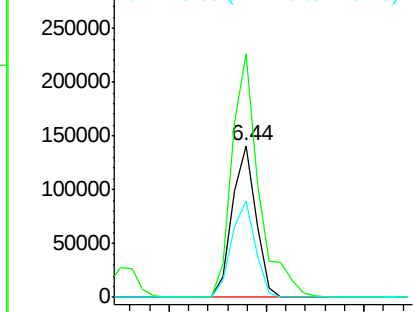
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.44 min Scan# 791
 Delta R.T. -0.06 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Instrument :
 BNA_F
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 GRAVEL-PILEMSD

Tot Ion:152 Resp: 118959
 Ion Ratio Lower Upper
 152 100
 150 160.1 126.2 189.2
 115 63.8 52.2 78.2

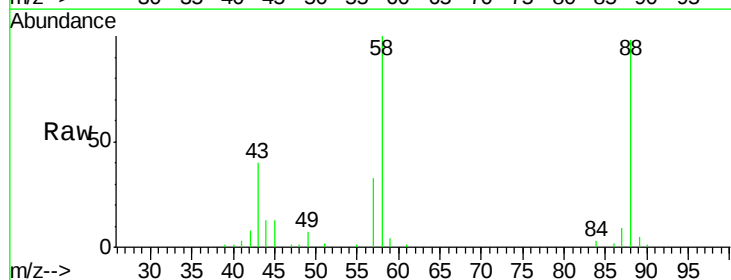


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

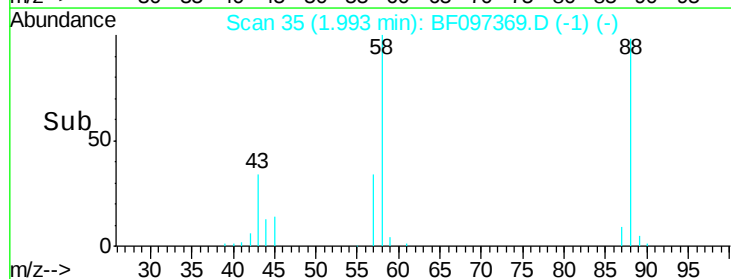
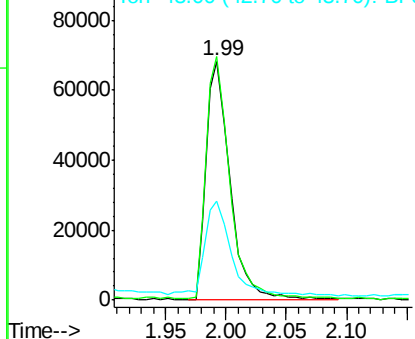


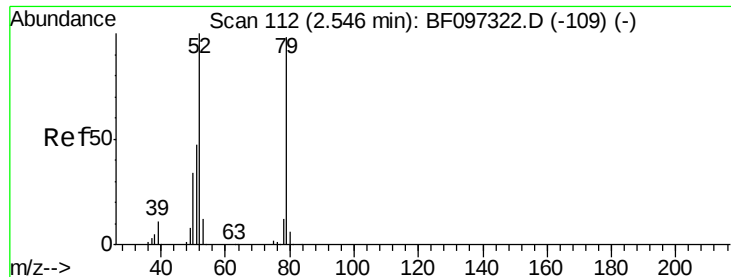
#2
 1,4-Dioxane
 Concen: 28.71 ng
 RT: 1.99 min Scan# 35
 Delta R.T. -0.05 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Tgt Ion: 88 Resp: 94557
 Ion Ratio Lower Upper
 88 100
 58 98.6 61.4 92.0#
 43 43.4 23.4 35.0#



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





#3

Pvridine

Concen: 29.95 ng

RT: 2.60 min Scan# 138

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMSD

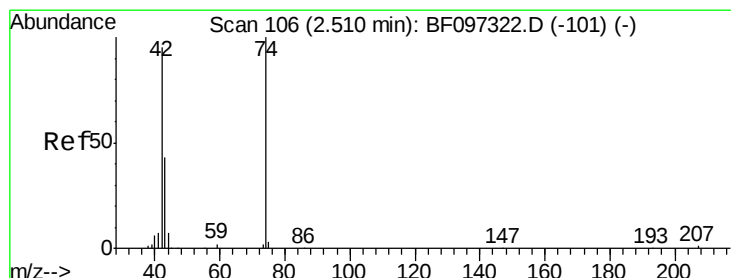
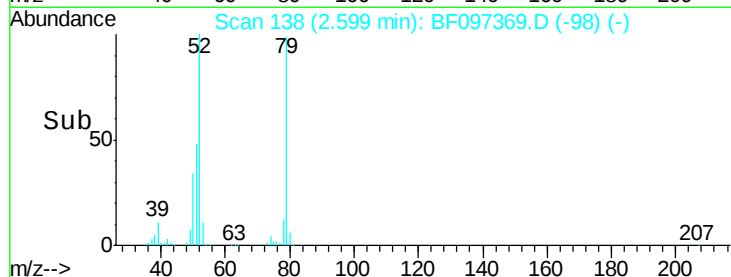
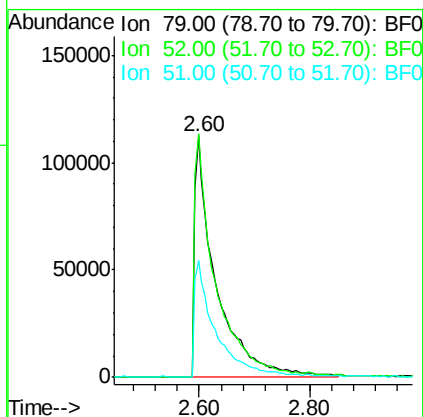
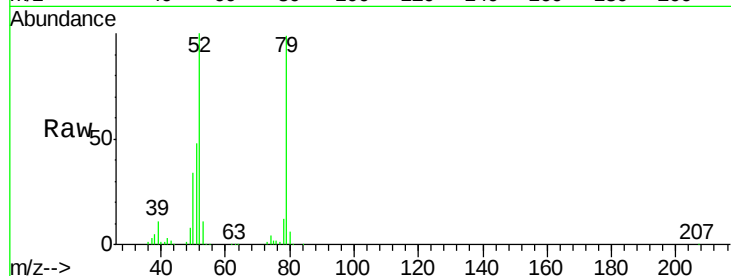
Tot Ion: 79 Resp: 302023

Ion Ratio Lower Upper

79 100

52 101.1 54.8 82.2#

51 48.3 27.0 40.4#



#4

n-Nitrosodimethylamine

Concen: 32.36 ng

RT: 2.55 min Scan# 130

Delta R.T. -0.07 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

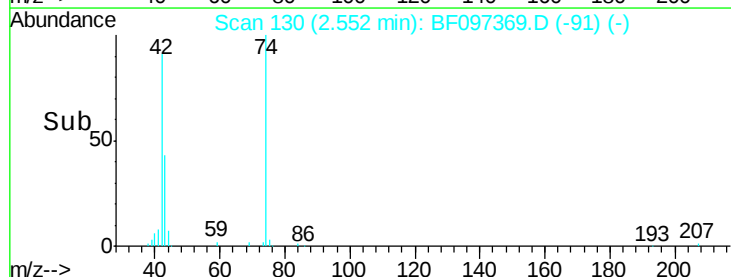
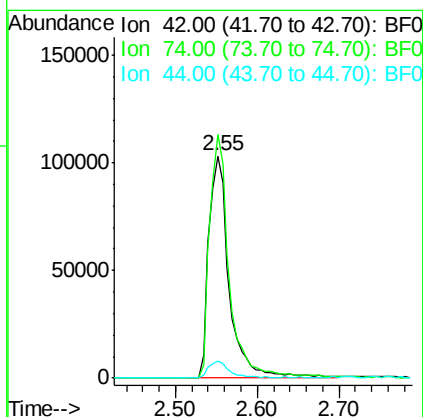
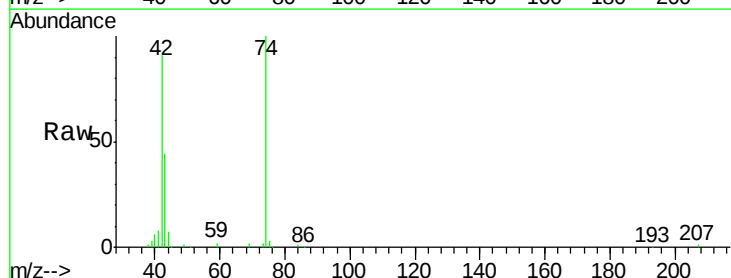
Tgt Ion: 42 Resp: 180752

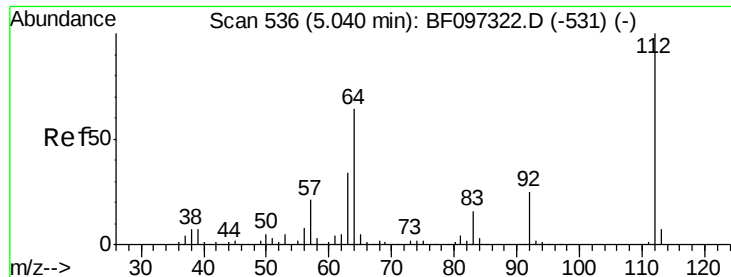
Ion Ratio Lower Upper

42 100

74 109.7 103.9 155.9

44 7.5 5.7 8.5





#5

2-Fluorophenol

Concen: 91.95 ng

RT: 5.05 min Scan# 554

Delta R.T. -0.05 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMSD

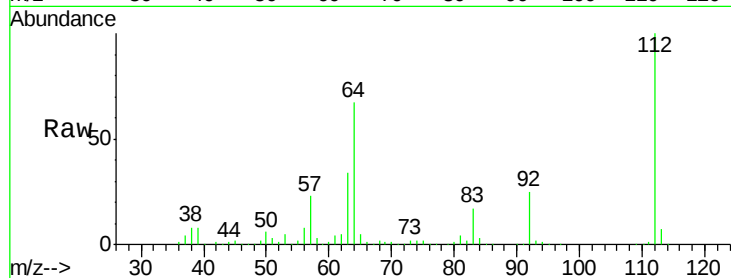
Tot Ion:112 Resp: 725635

Ion Ratio Lower Upper

112 100

64 66.9 46.0 69.0

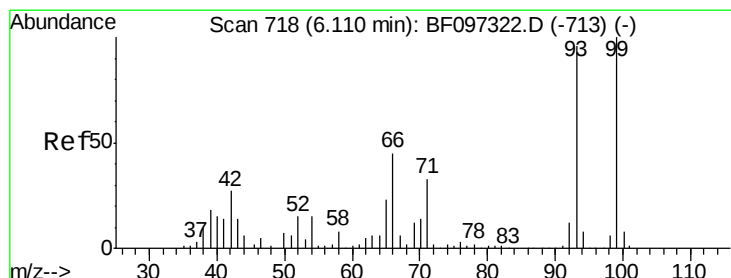
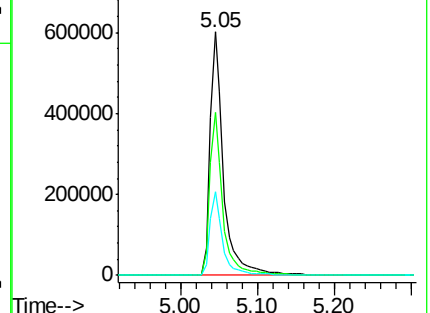
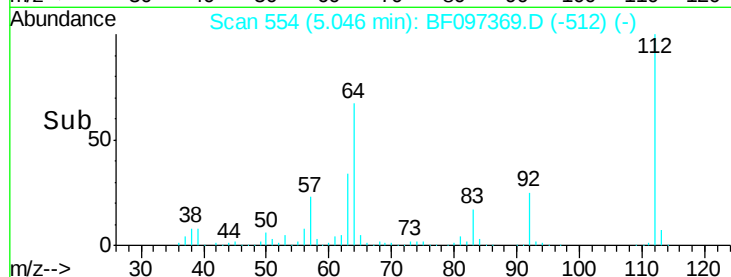
63 34.5 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 24.29 ng

RT: 6.10 min Scan# 734

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

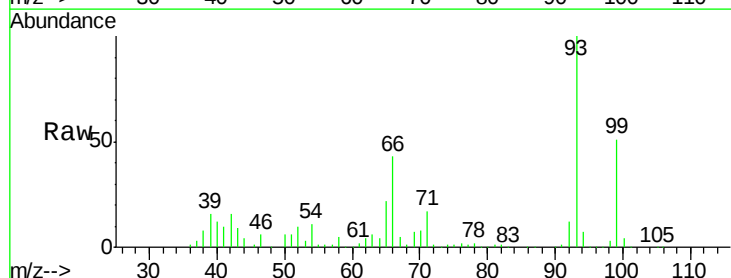
Tgt Ion: 93 Resp: 275345

Ion Ratio Lower Upper

93 100

66 43.3 32.9 49.3

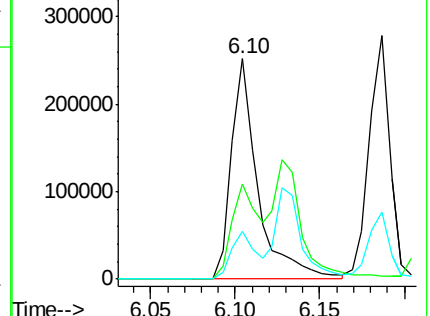
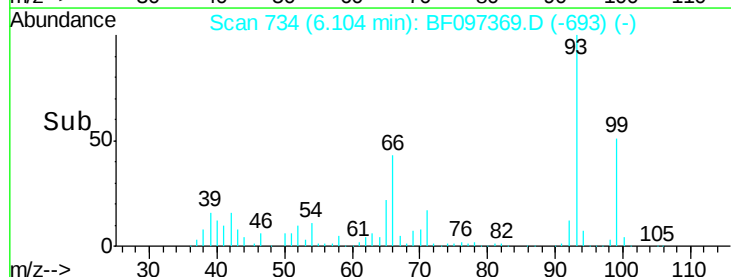
65 22.0 16.0 24.0

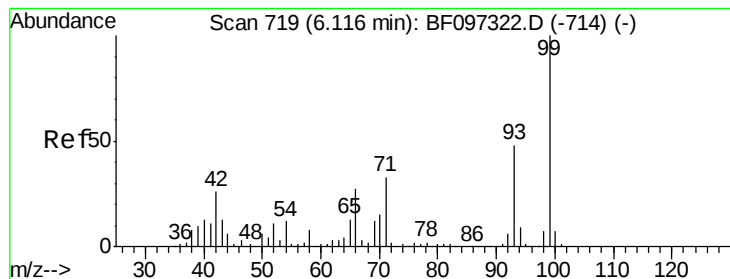


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 97.65 ng

RT: 6.12 min Scan# 737

Delta R.T. -0.05 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

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ClientSampleId :

GRAVEL-PILEMSD

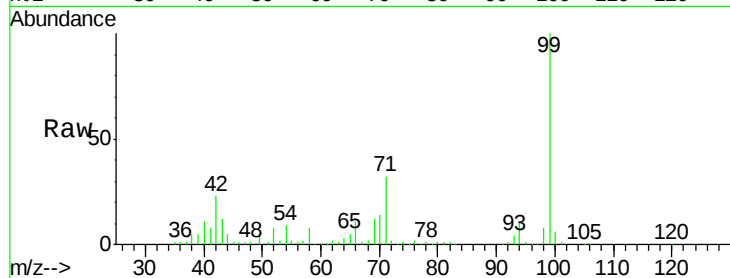
Tot Ion: 99 Resp: 879705

Ion Ratio Lower Upper

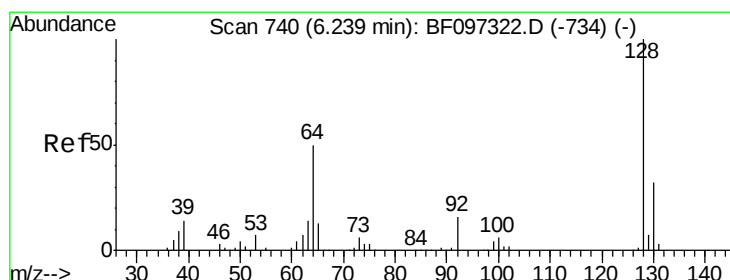
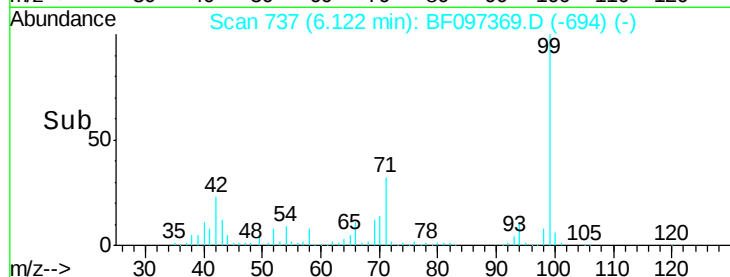
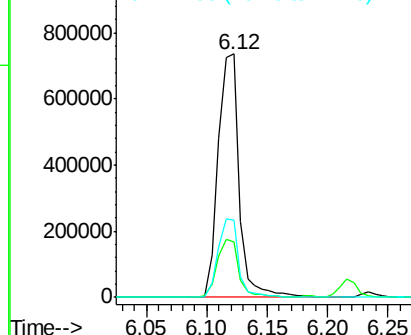
99 100

42 22.9 13.5 20.3#

71 31.5 24.5 36.7



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



#8

2-Chlorophenol

Concen: 31.17 ng

RT: 6.23 min Scan# 756

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

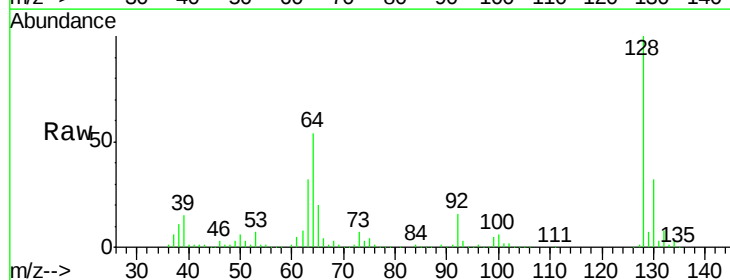
Tgt Ion: 128 Resp: 262980

Ion Ratio Lower Upper

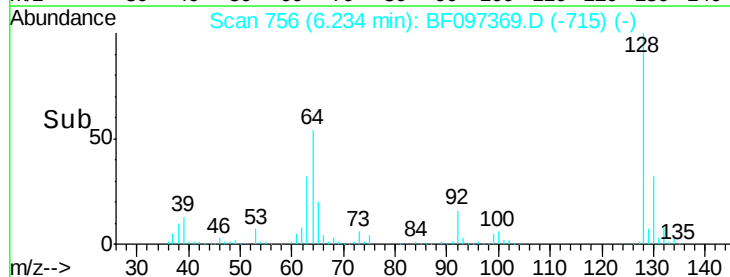
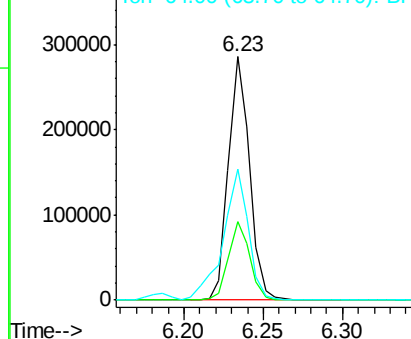
128 100

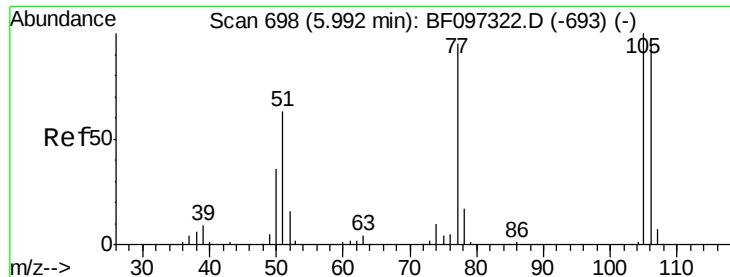
130 32.2 12.9 52.9

64 53.9 28.4 68.4



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

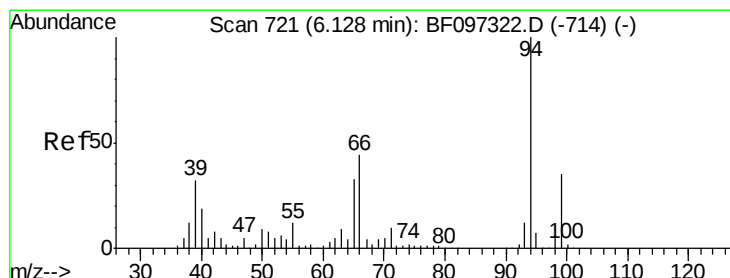
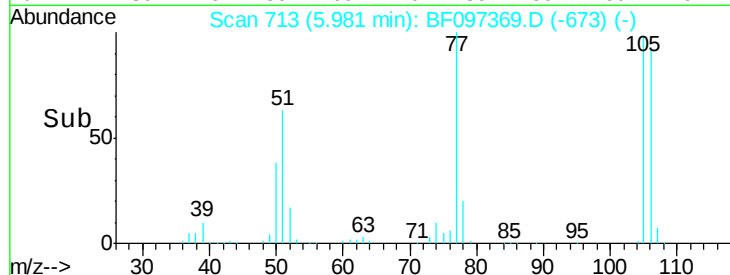
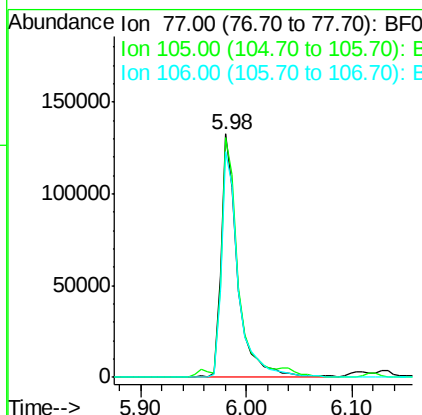
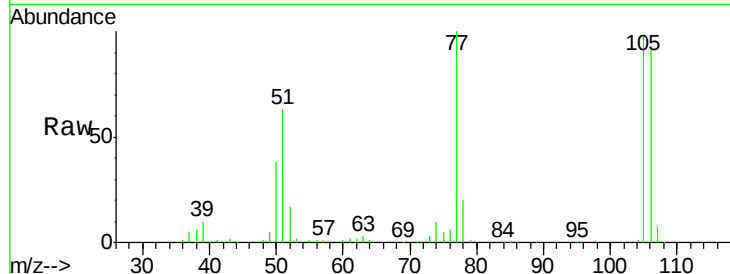




#9
Benzaldehyde
Concen: 27.48 ng
RT: 5.98 min Scan# 713
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

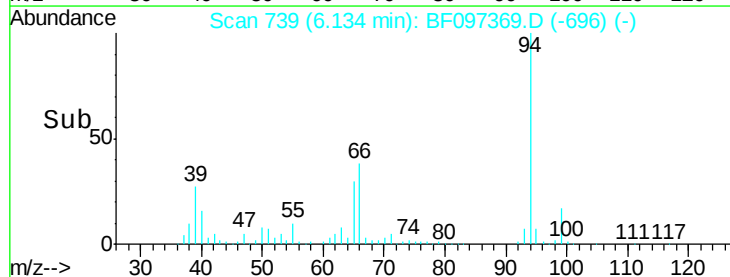
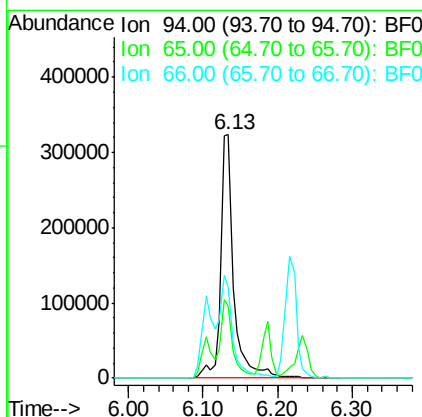
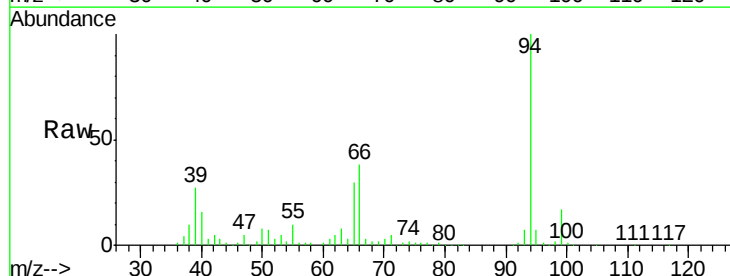
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

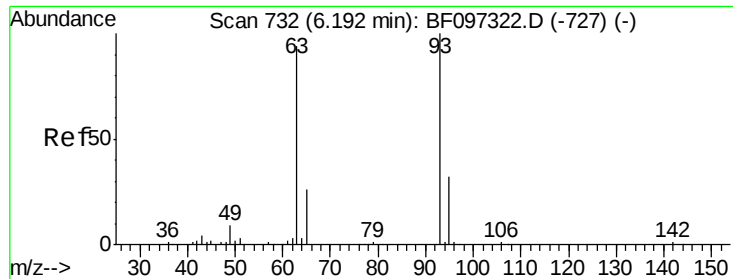
Tot Ion: 77 Resp: 146535
Ion Ratio Lower Upper
77 100
105 98.4 83.8 123.8
106 92.8 79.1 119.1



#10
Phenol
Concen: 36.77 ng
RT: 6.13 min Scan# 739
Delta R.T. -0.05 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Tgt Ion: 94 Resp: 392925
Ion Ratio Lower Upper
94 100
65 29.7 9.9 49.9
66 37.5 23.1 63.1

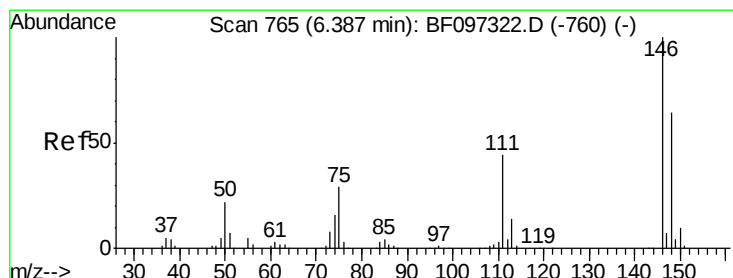
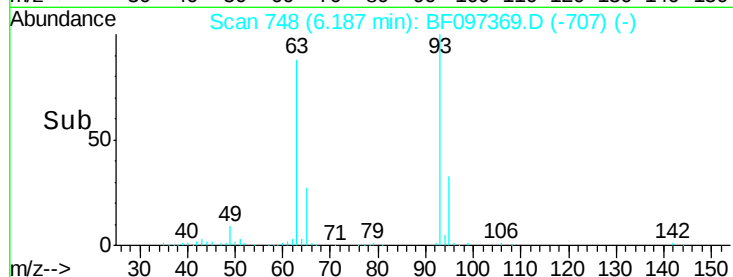
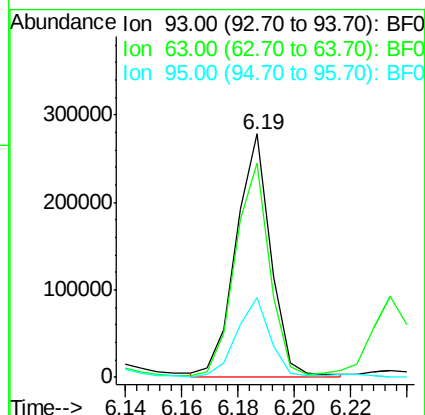
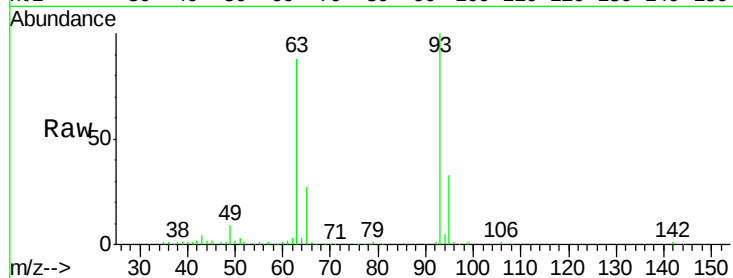




#11
bis(2-Chloroethyl)ether
Concen: 27.98 ng
RT: 6.19 min Scan# 748
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

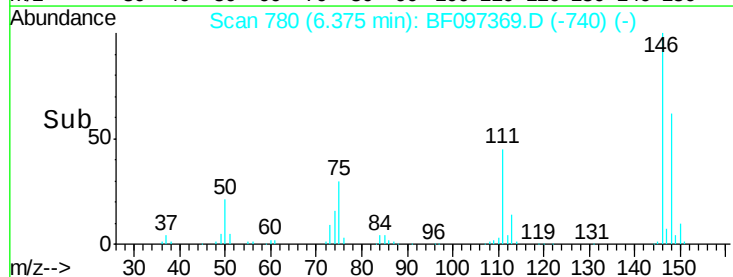
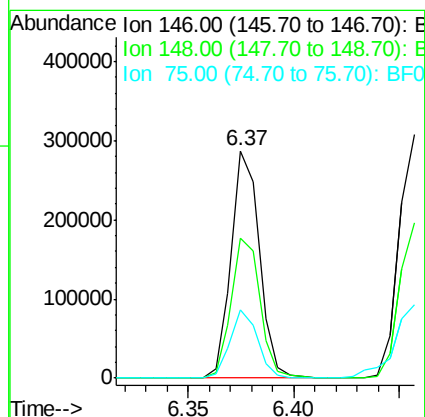
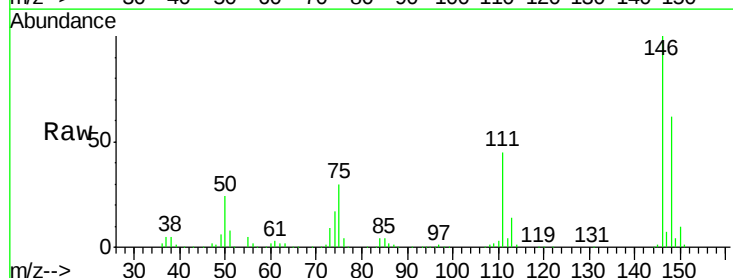
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

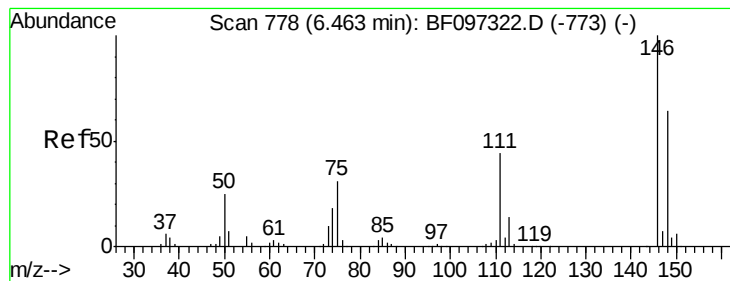
Tot Ion: 93 Resp: 236448
Ion Ratio Lower Upper
93 100
63 88.2 59.2 99.2
95 32.7 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 29.03 ng
RT: 6.37 min Scan# 780
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

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





#13

1,4-Dichlorobenzene

Concen: 30.58 ng

RT: 6.46 min Scan# 794

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMSD

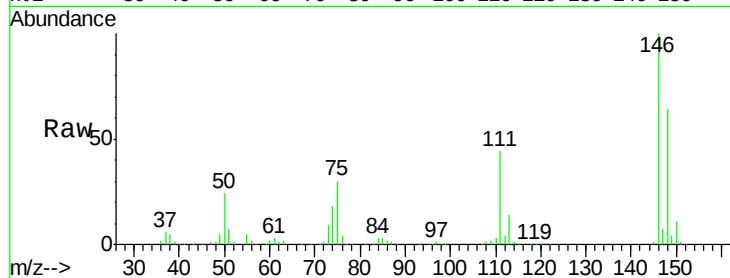
Tot Ion:146 Resp: 275540

Ion Ratio Lower Upper

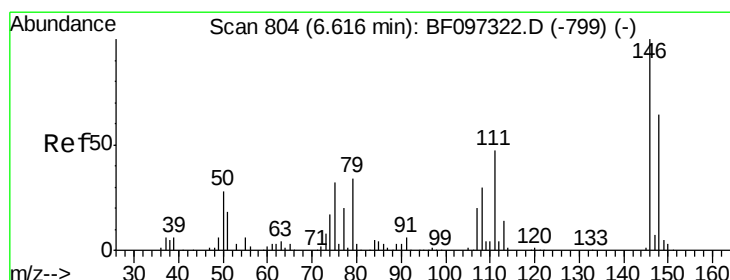
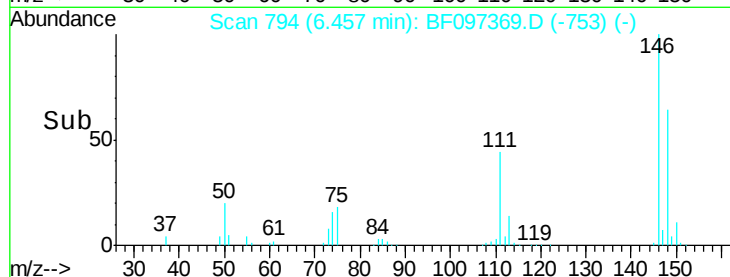
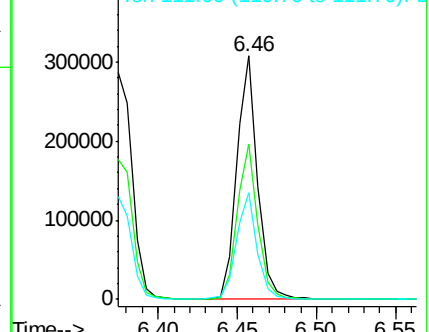
146 100

148 63.6 52.2 78.2

111 43.6 30.3 45.5



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 30.33 ng

RT: 6.61 min Scan# 820

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

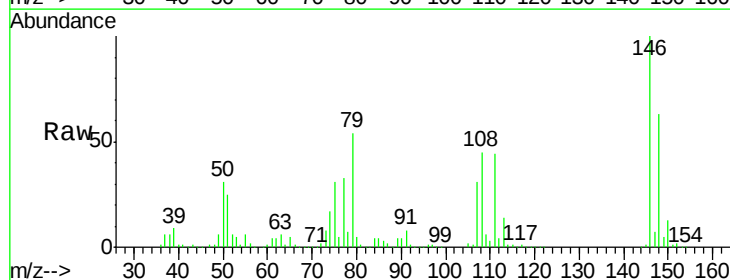
Tgt Ion:146 Resp: 238641

Ion Ratio Lower Upper

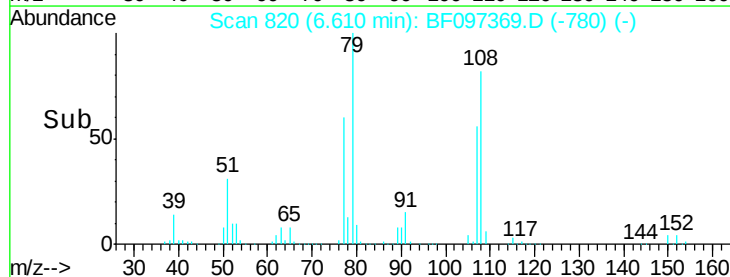
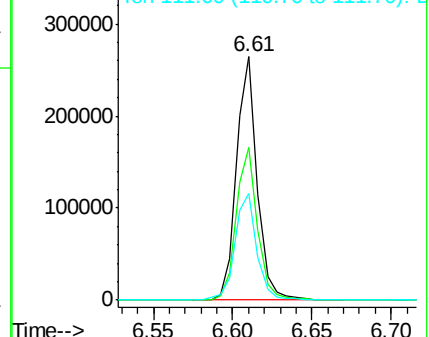
146 100

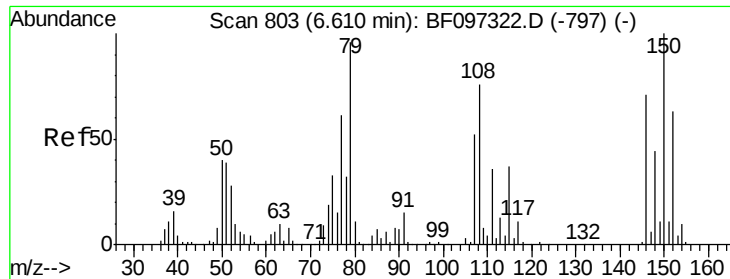
148 62.5 50.4 75.6

111 43.9 38.2 57.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 37.69 ng

RT: 6.60 min Scan# 819

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMSD

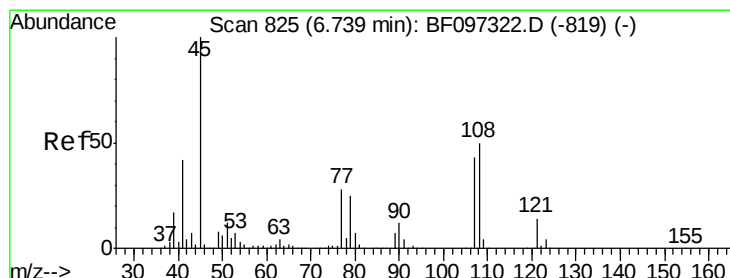
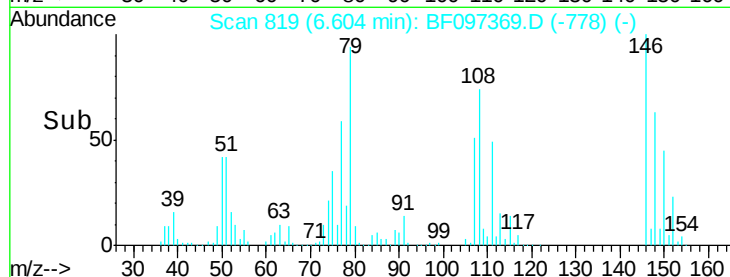
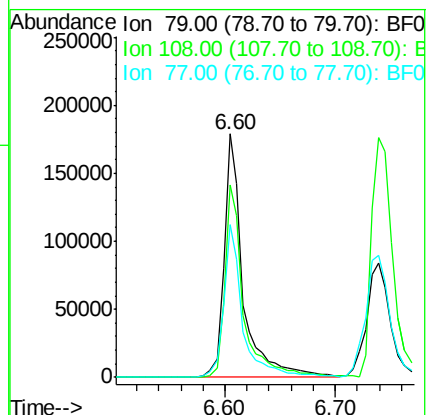
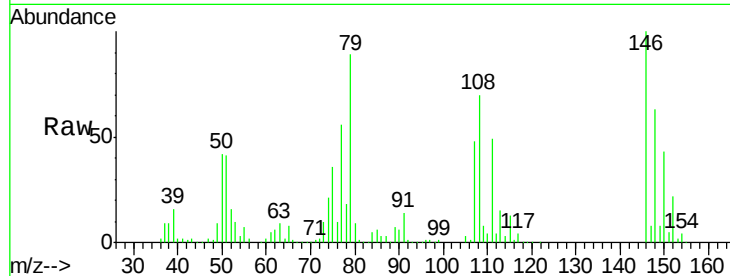
Tot Ion: 79 Resp: 214946

Ion Ratio Lower Upper

79 100

108 78.8 63.4 95.0

77 62.6 49.2 73.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 32.24 ng

RT: 6.73 min Scan# 840

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

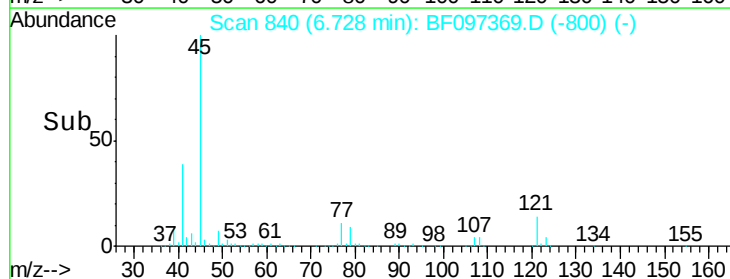
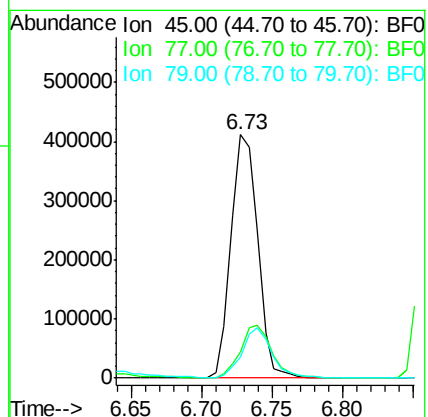
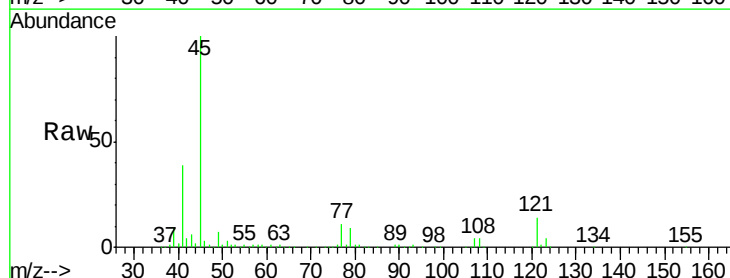
Tgt Ion: 45 Resp: 546531

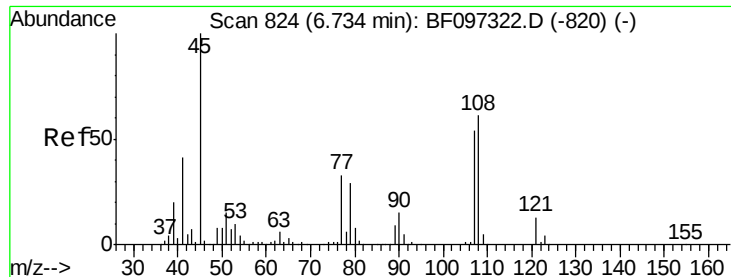
Ion Ratio Lower Upper

45 100

77 10.6 0.0 33.2

79 8.6 0.0 30.0

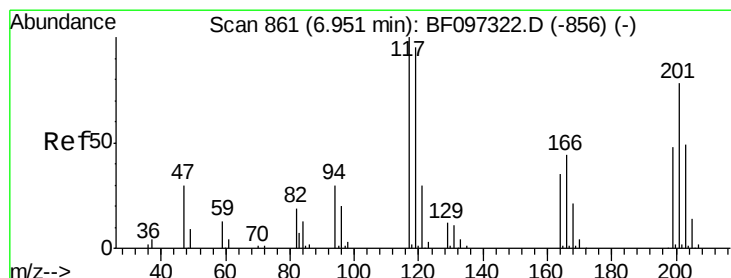
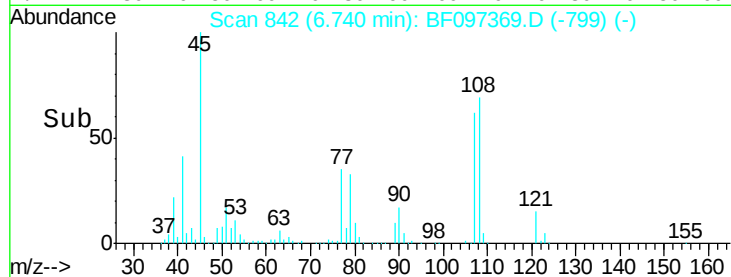
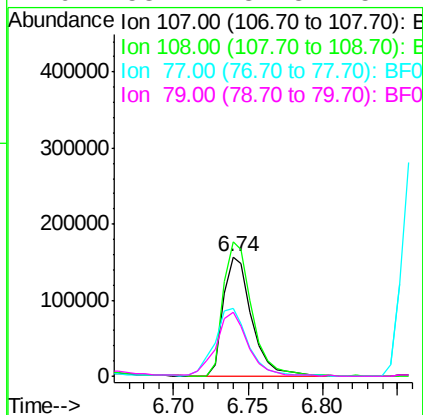
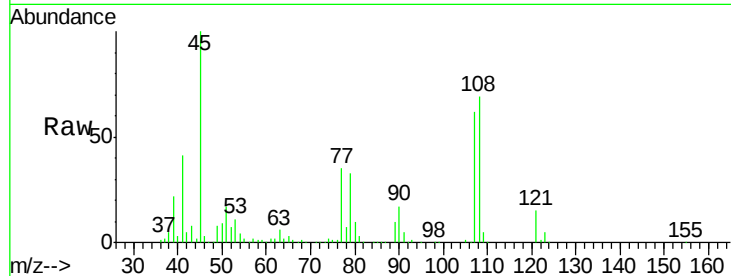




#17
2-Methylphenol
Concen: 32.13 ng
RT: 6.74 min Scan# 842
Delta R.T. -0.05 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

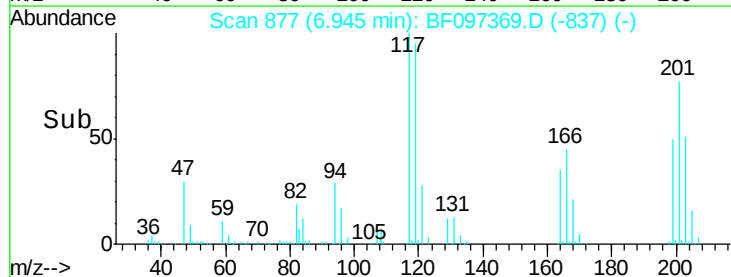
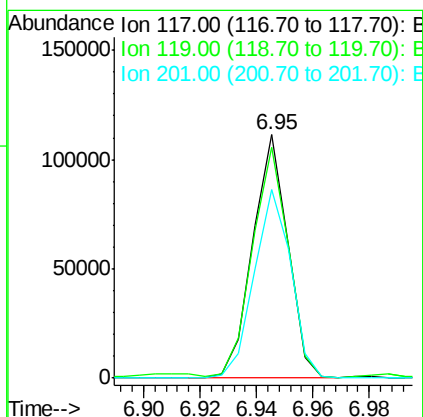
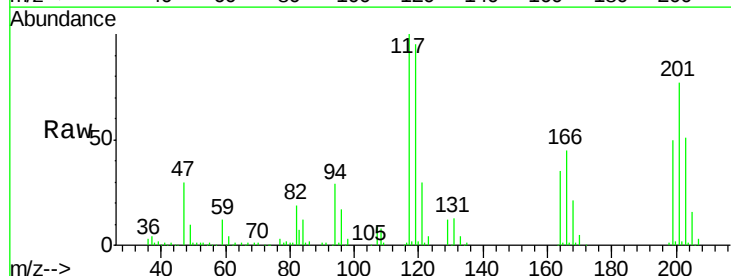
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

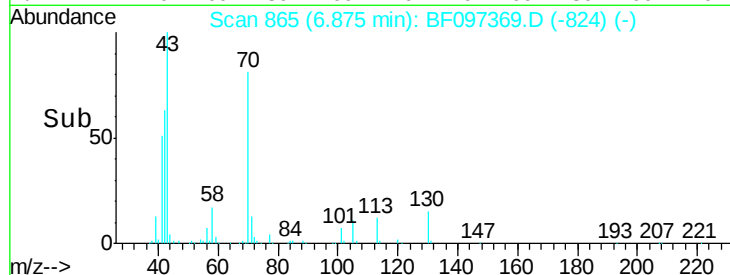
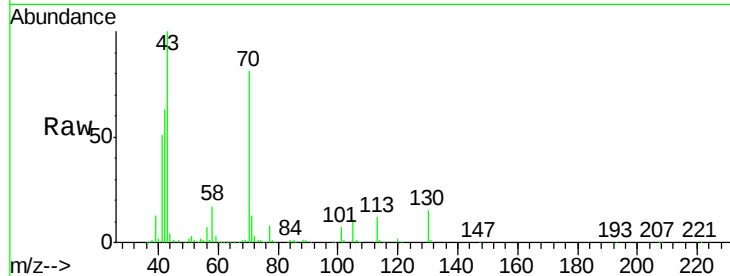
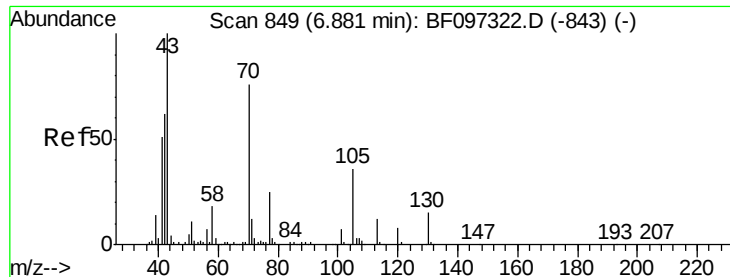
Tot Ion	Ratio	Lower	Upper
107	100		
108	112.5	93.4	140.0
77	57.2	35.8	53.6#
79	53.7	34.8	52.2#



#18
Hexachloroethane
Concen: 29.20 ng
RT: 6.95 min Scan# 877
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

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

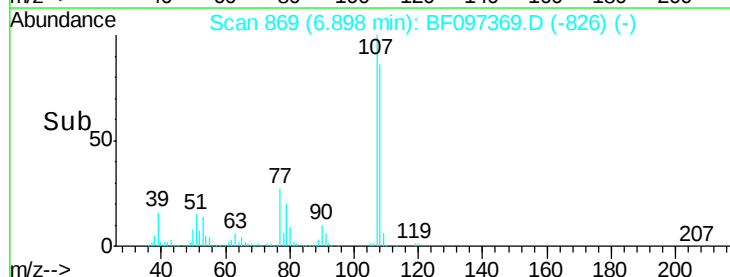
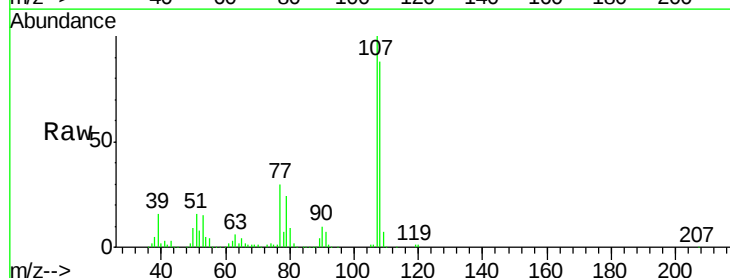
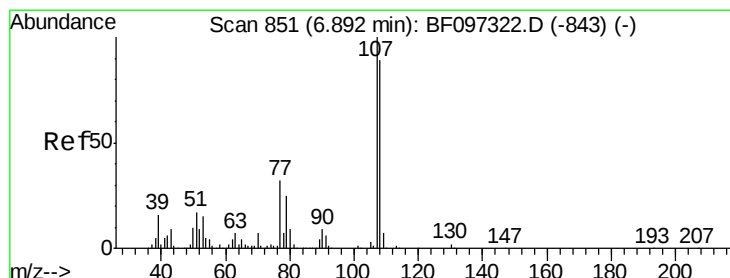
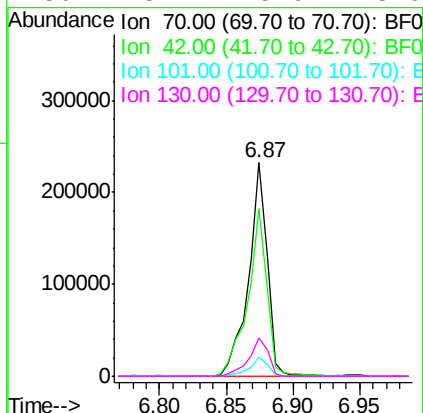




#19
n-Nitroso-di-n-propylamine
Concen: 37.35 ng
RT: 6.87 min Scan# 865
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

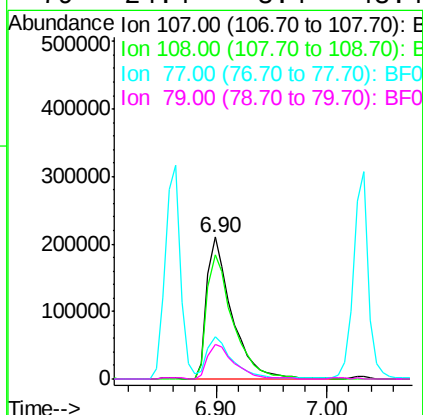
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

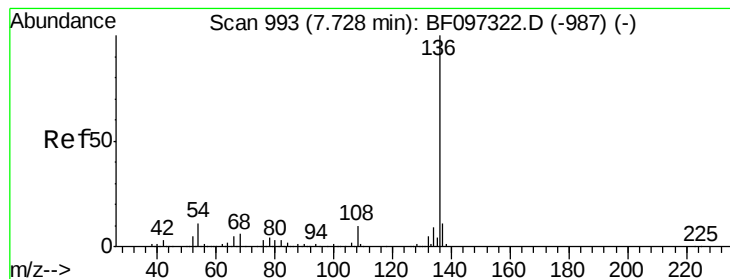
Tot Ion:	70	Resp:	221473
Ion	Ratio	Lower	Upper
70	100		
42	78.2	47.2	70.8#
101	8.9	7.2	10.8
130	18.2	15.9	23.9



#20
3+4-Methylphenols
Concen: 38.04 ng
RT: 6.90 min Scan# 869
Delta R.T. -0.05 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Tgt Ion:	107	Resp:	323510
Ion	Ratio	Lower	Upper
107	100		
108	88.0	71.0	111.0
77	30.0	90.5	130.5#
79	24.4	8.4	48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.72 min Scan# 1009

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

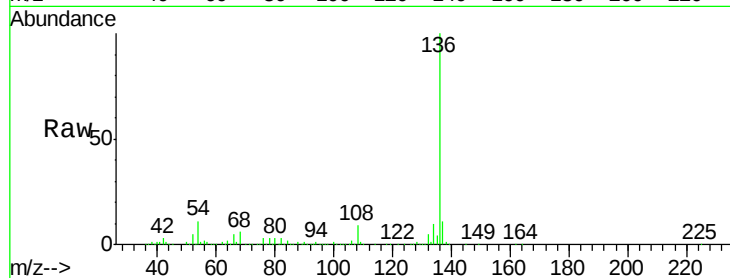
ClientSampleId :

GRAVEL-PILEMSD

Tot Ion:136 Resp: 500722

Ion Ratio Lower Upper

136	100		
137	10.9	8.5	12.7
54	11.1	4.9	7.3#
68	5.9	4.1	6.1

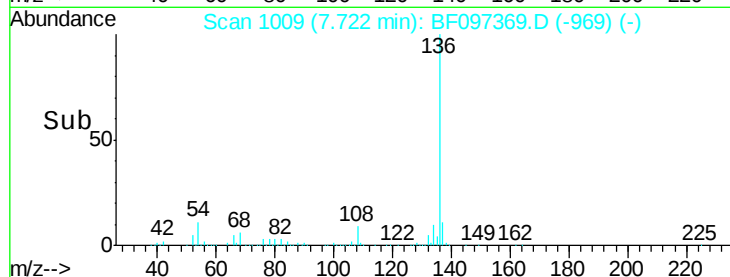


Abundance Ion 136.00 (135.70 to 136.70): E

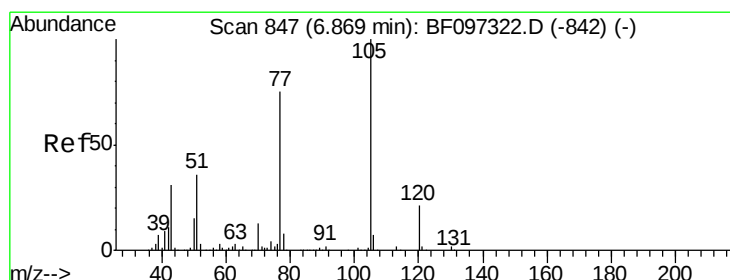
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 34.38 ng

RT: 6.86 min Scan# 863

Delta R.T. -0.06 min

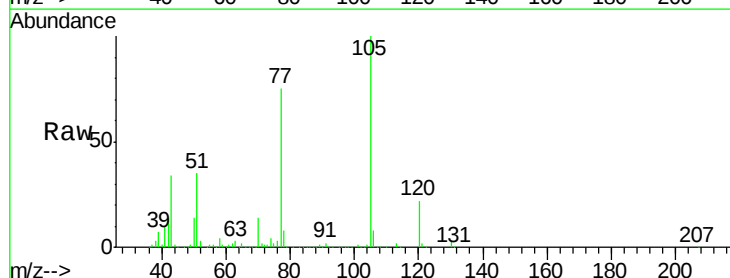
Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Tgt Ion:105 Resp: 413463

Ion Ratio Lower Upper

105	100		
71	2.4	2.8	4.2#
51	34.6	30.7	46.1
120	21.5	17.4	26.0

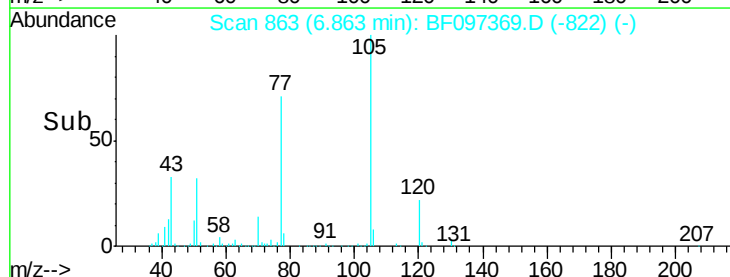


Abundance Ion 105.00 (104.70 to 105.70): E

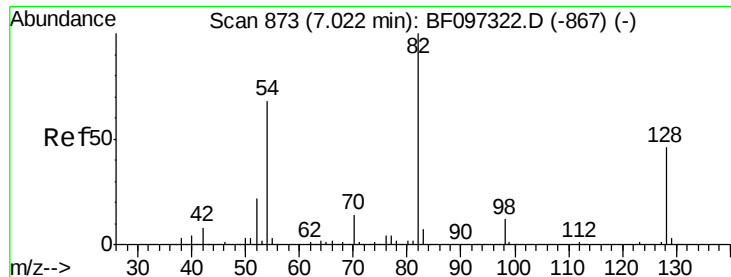
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



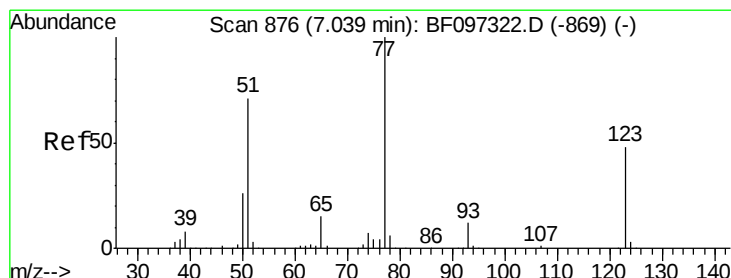
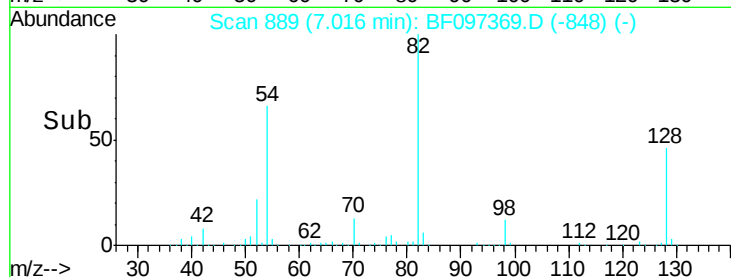
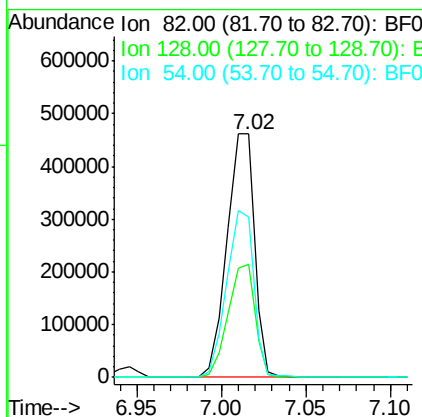
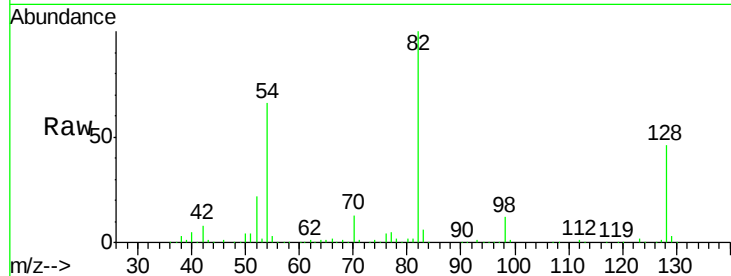
Time-->



#23
 Nitrobenzene-d5
 Concen: 61.33 ng
 RT: 7.02 min Scan# 889
 Delta R.T. -0.06 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

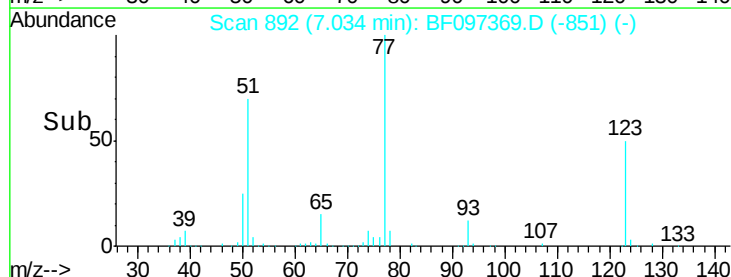
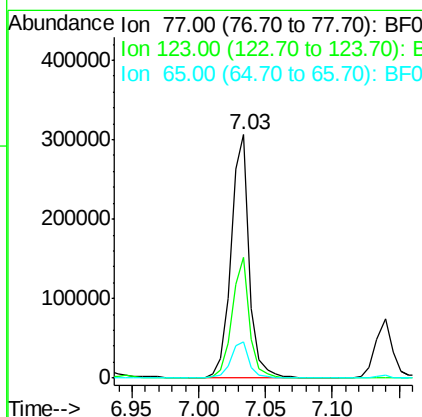
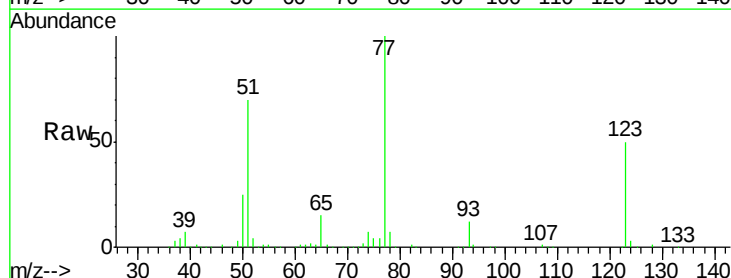
Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

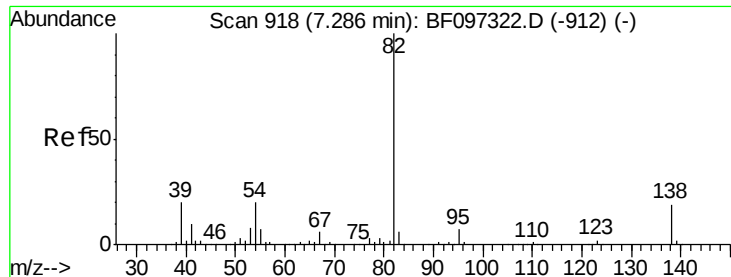
Tot Ion: 82 Resp: 523482
 Ion Ratio Lower Upper
 82 100
 128 46.5 34.0 51.0
 54 65.7 42.2 63.2#



#24
 Nitrobenzene
 Concen: 33.09 ng
 RT: 7.03 min Scan# 892
 Delta R.T. -0.06 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Tgt Ion: 77 Resp: 294155
 Ion Ratio Lower Upper
 77 100
 123 49.7 35.8 53.8
 65 14.7 10.6 15.8





#25

Isophorone

Concen: 29.48 ng

RT: 7.27 min Scan# 933

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMSD

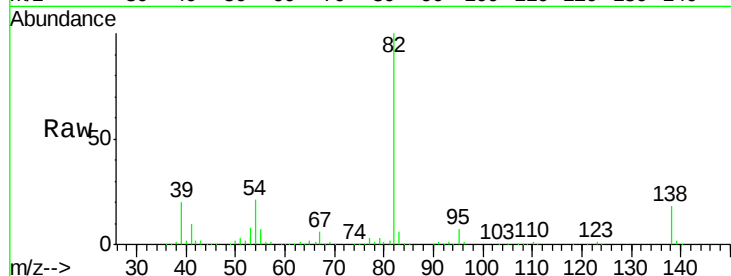
Tot Ion: 82 Resp: 492816

Ion Ratio Lower Upper

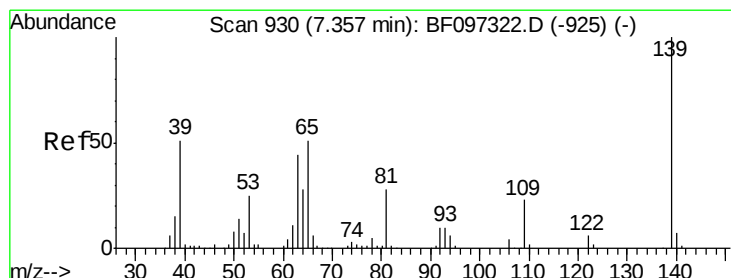
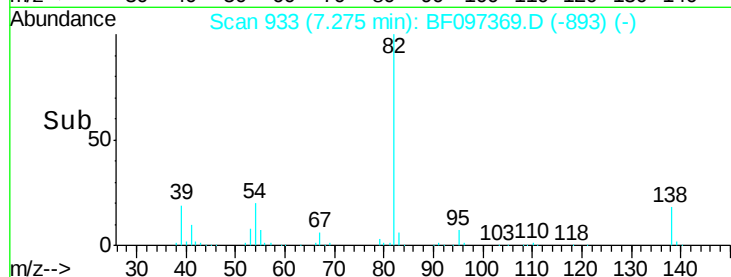
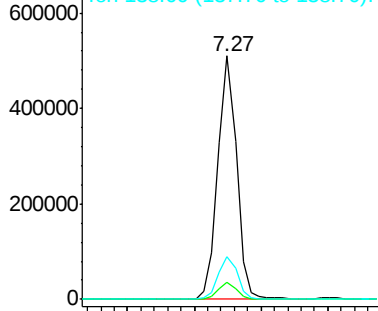
82 100

95 6.9 5.3 7.9

138 17.5 13.1 19.7



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#26

2-Nitrophenol

Concen: 24.77 ng

RT: 7.35 min Scan# 946

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

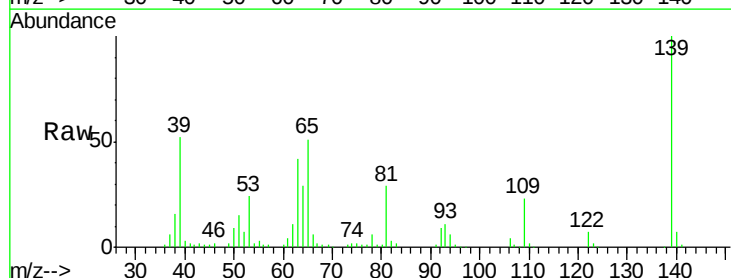
Tgt Ion: 139 Resp: 119107

Ion Ratio Lower Upper

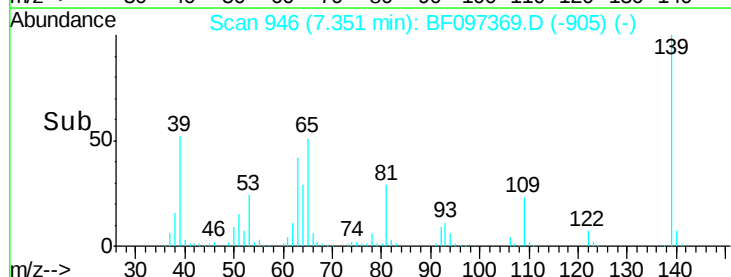
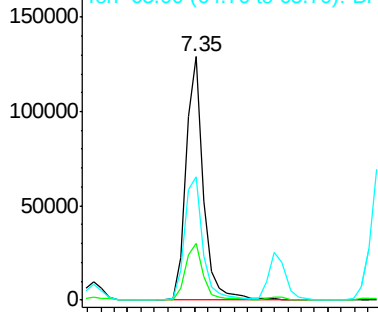
139 100

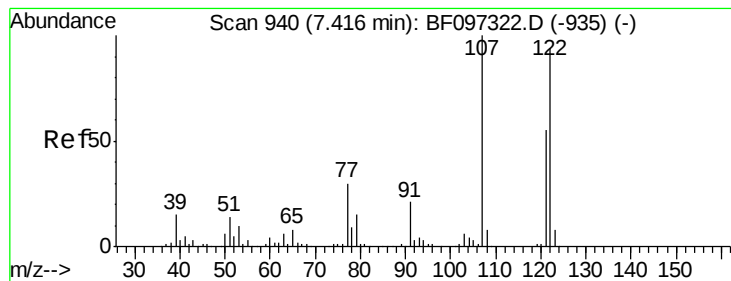
109 23.4 21.0 31.6

65 50.8 33.0 49.6#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 28.46 ng

RT: 7.41 min Scan# 956

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMSD

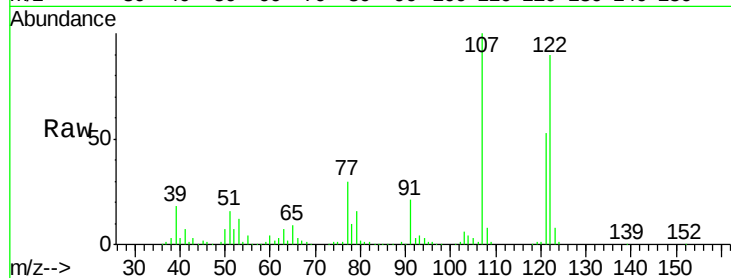
Tot Ion:122 Resp: 225810

Ion Ratio Lower Upper

122 100

107 111.4 89.2 133.8

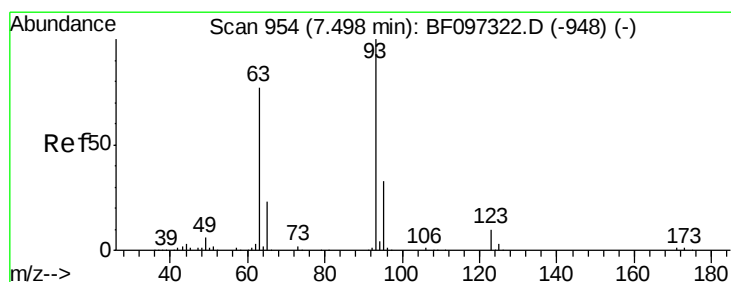
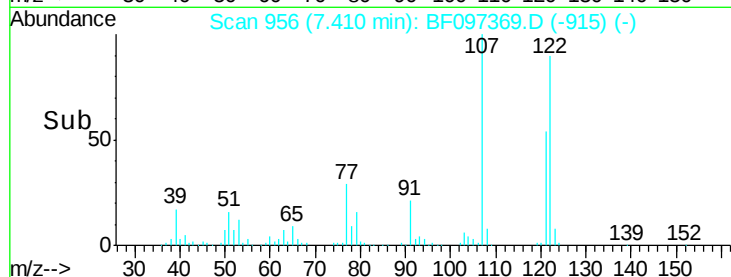
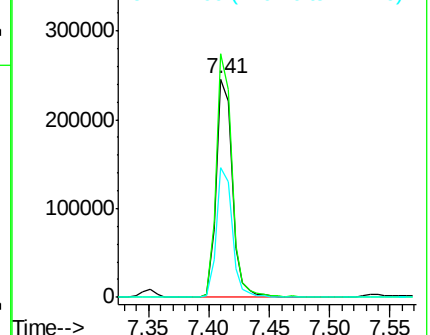
121 59.6 45.2 67.8



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



#28

bis(2-Chloroethoxy)methane

Concen: 30.62 ng

RT: 7.49 min Scan# 970

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

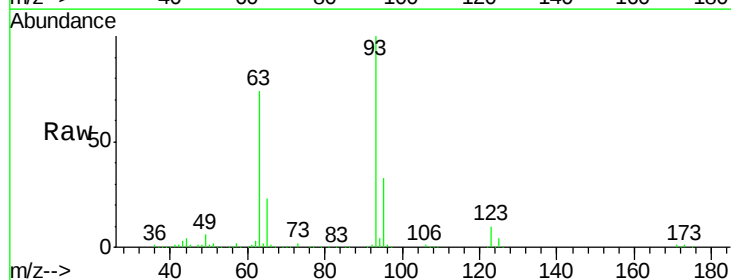
Tgt Ion: 93 Resp: 333993

Ion Ratio Lower Upper

93 100

95 32.9 26.5 39.7

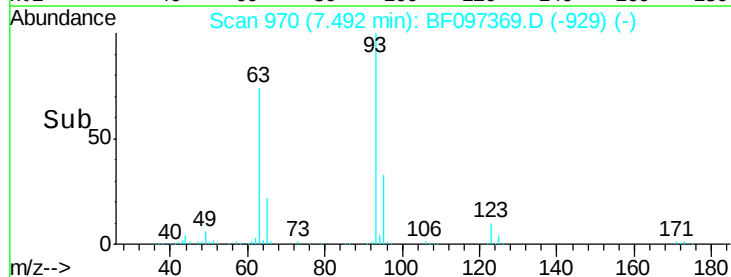
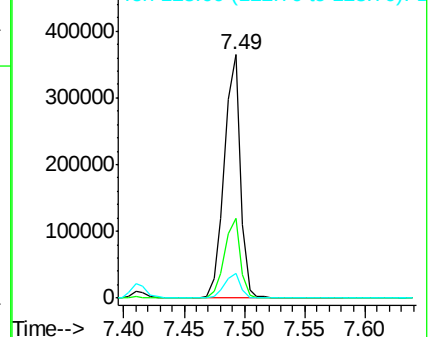
123 10.2 9.0 13.4

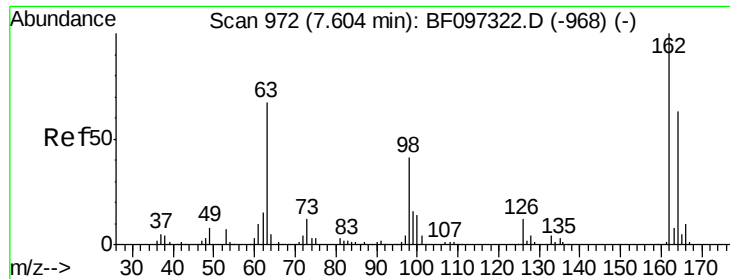


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

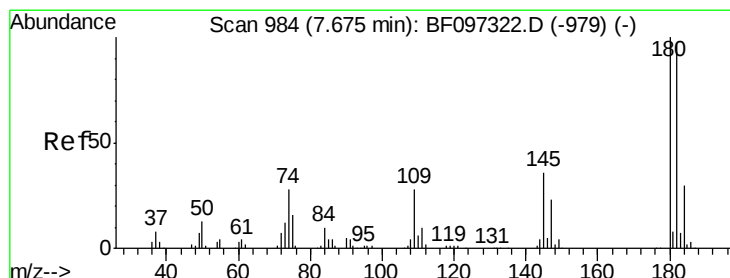
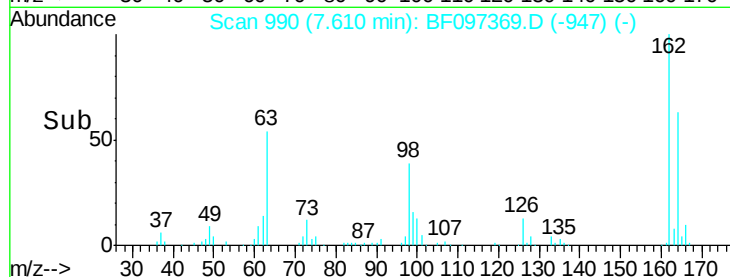
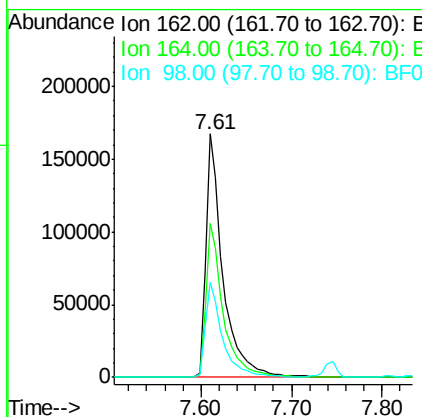
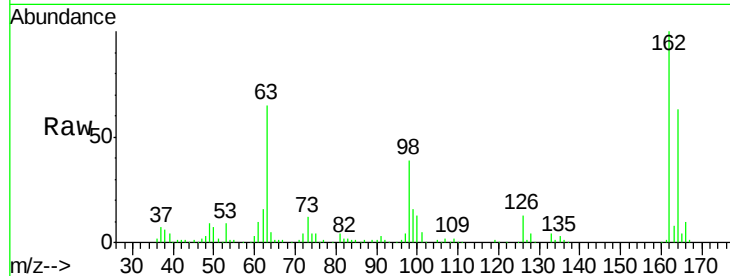




#29
 2,4-Dichlorophenol
 Concen: 32.28 ng
 RT: 7.61 min Scan# 990
 Delta R.T. -0.05 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

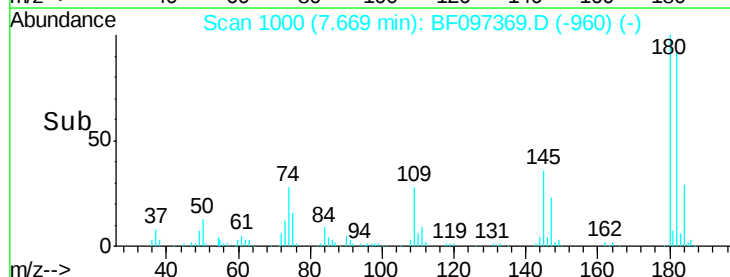
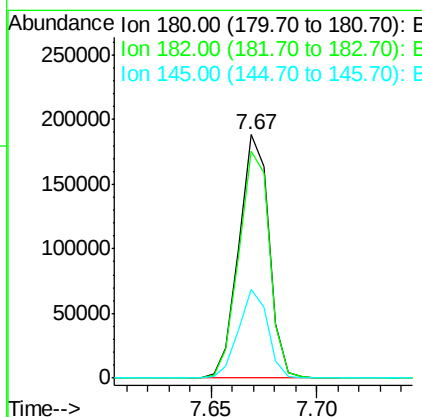
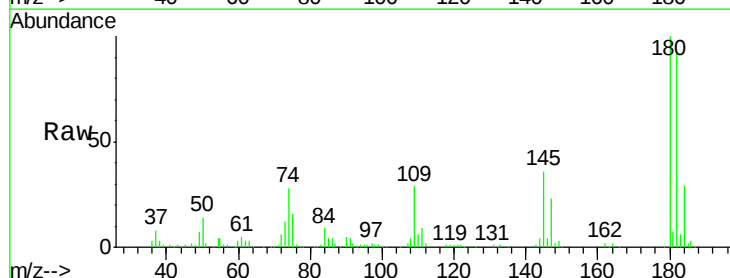
Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

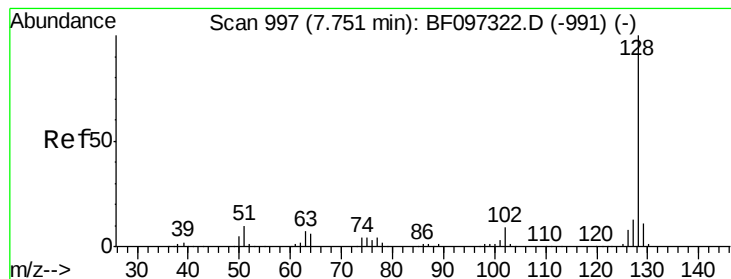
Tot Ion:162 Resp: 220641
 Ion Ratio Lower Upper
 162 100
 164 63.1 44.6 84.6
 98 38.9 14.8 54.8



#30
 1,2,4-Trichlorobenzene
 Concen: 28.47 ng
 RT: 7.67 min Scan# 1000
 Delta R.T. -0.06 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

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





#31

Naphthalene

Concen: 31.86 ng

RT: 7.75 min Scan# 1013

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMSD

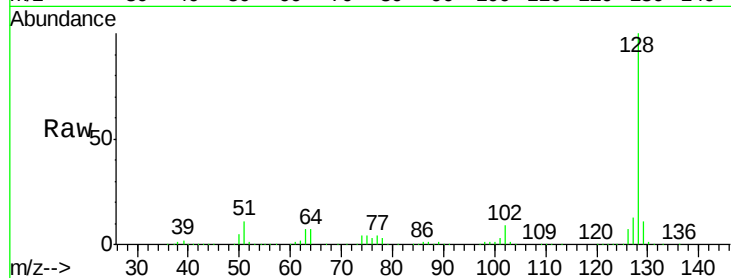
Tot Ion:128 Resp: 751935

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

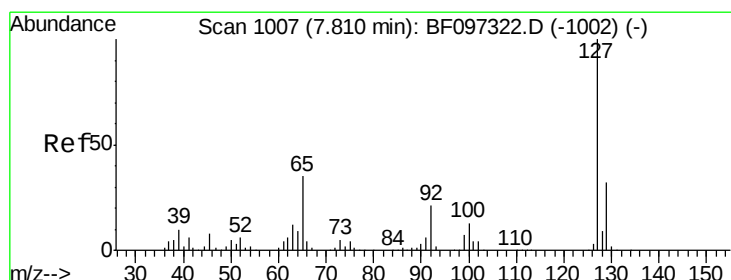
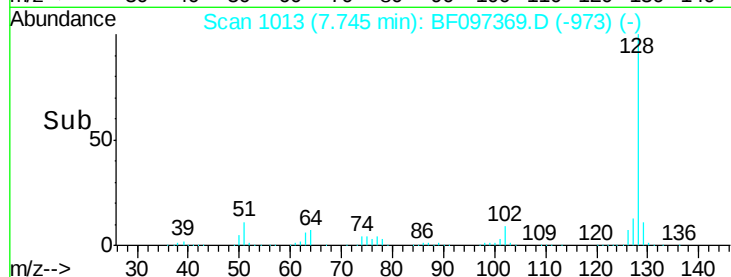
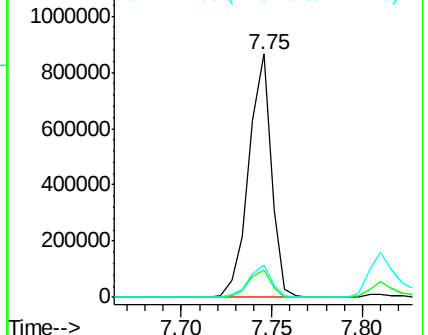
127 13.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 20.97 ng

RT: 7.81 min Scan# 1024

Delta R.T. -0.05 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Tgt Ion:127 Resp: 201439

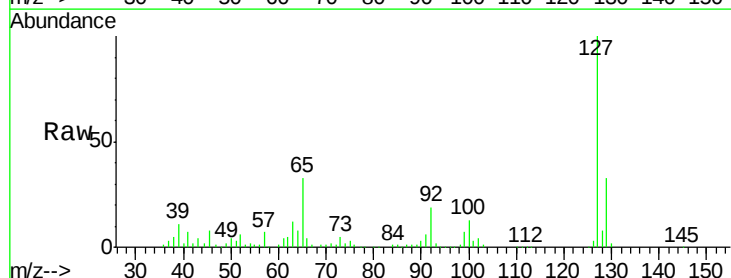
Ion Ratio Lower Upper

127 100

129 33.3 26.2 39.2

65 33.1 27.8 41.8

92 19.1 16.8 25.2

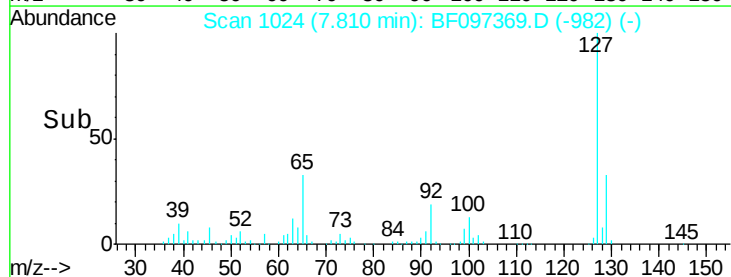
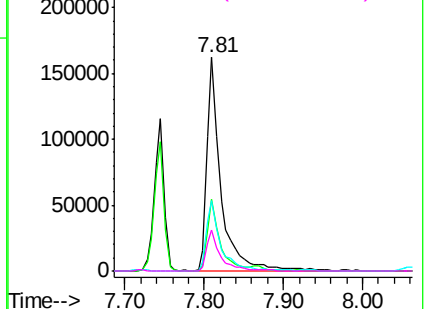


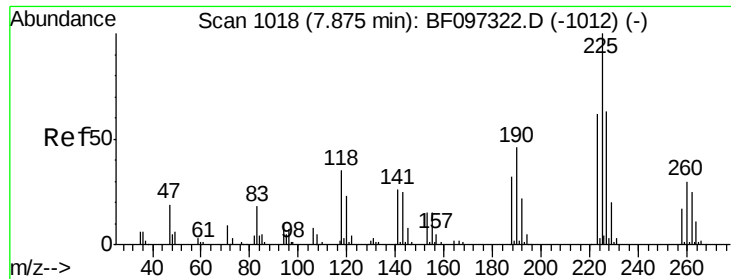
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

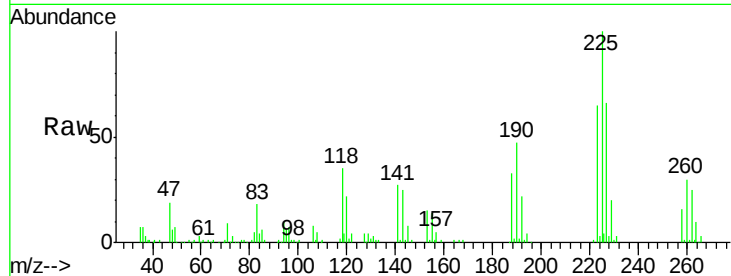




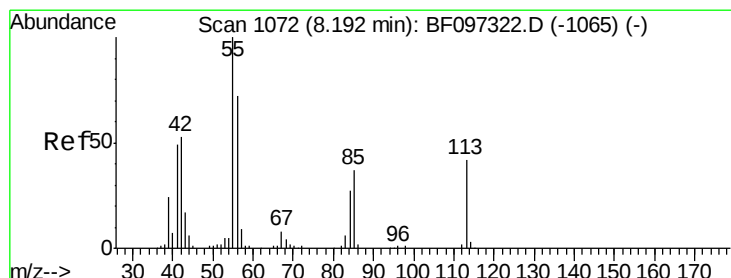
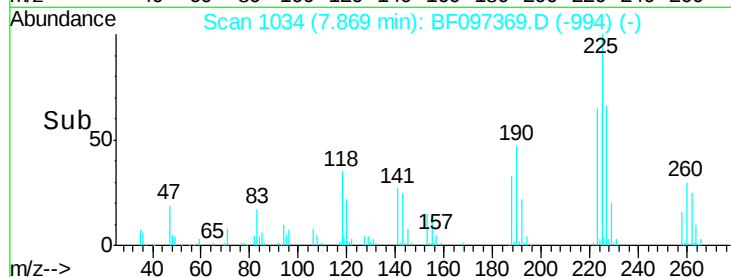
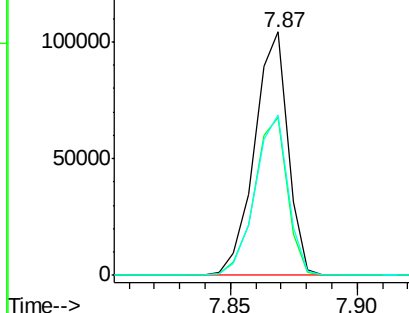
#34
Hexachlorobutadiene
Concen: 27.85 ng
RT: 7.87 min Scan# 1034
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

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

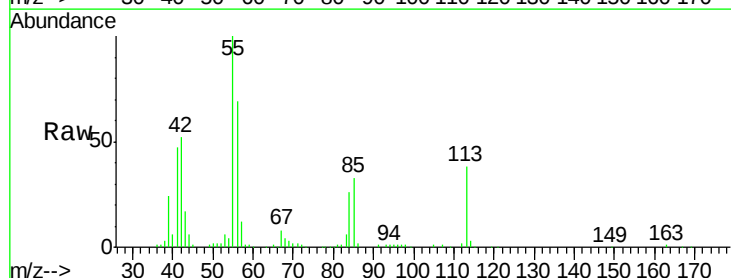


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

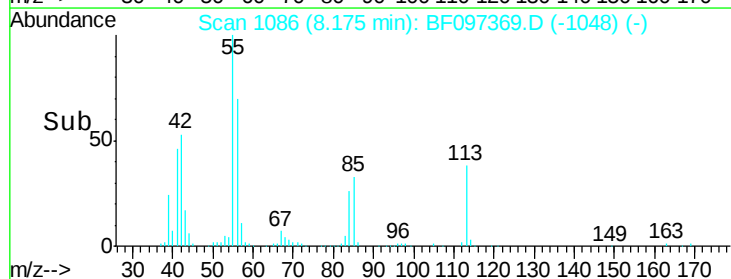
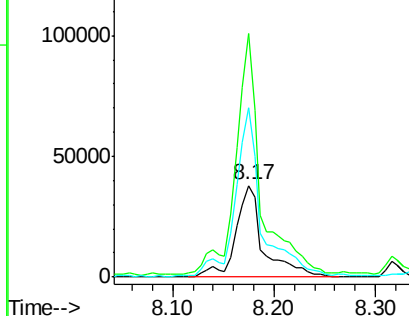


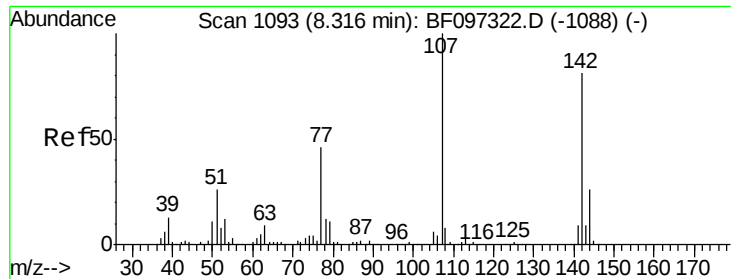
#35
Caprolactam
Concen: 32.76 ng
RT: 8.17 min Scan# 1086
Delta R.T. -0.08 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

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



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

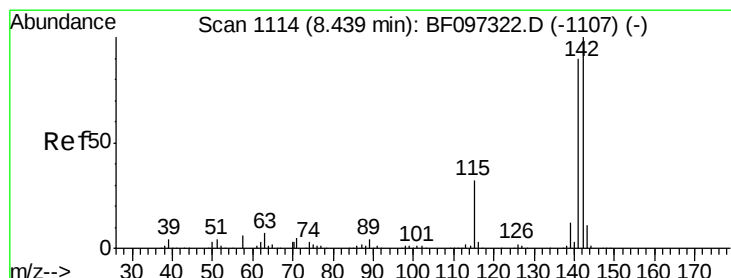
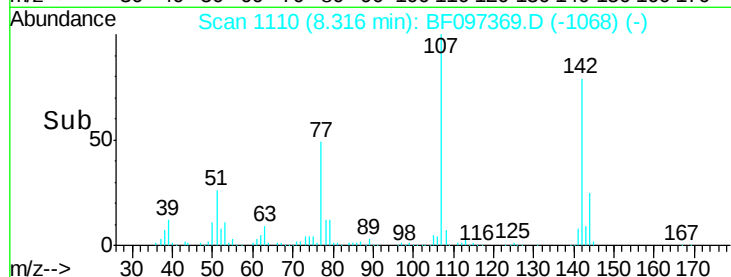
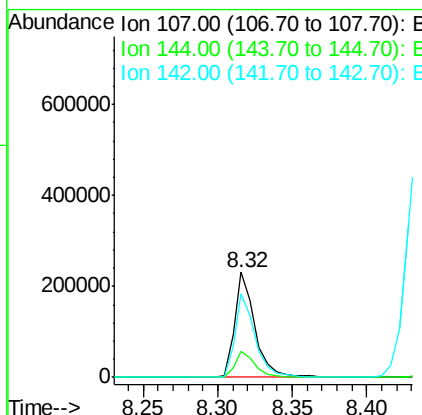
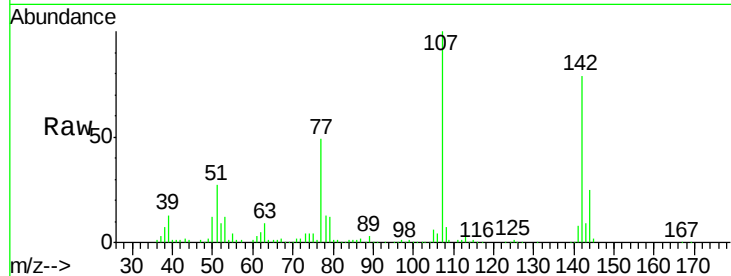




#36
 4-Chloro-3-methylphenol
 Concen: 29.66 ng
 RT: 8.32 min Scan# 1110
 Delta R.T. -0.05 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

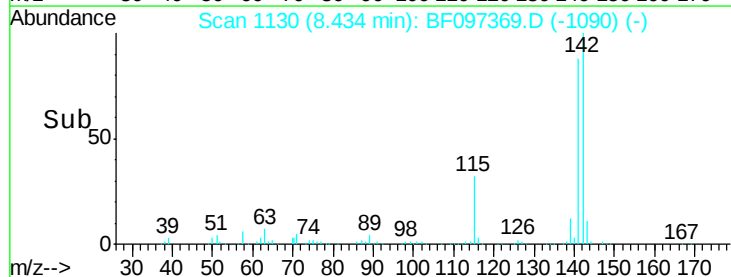
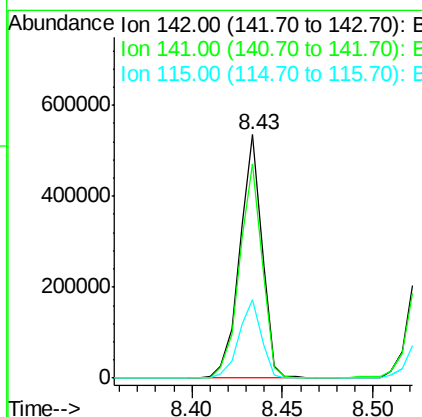
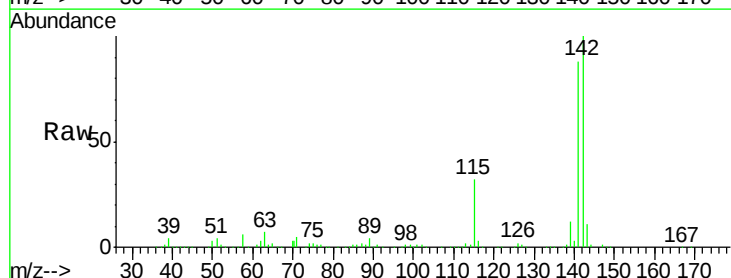
Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

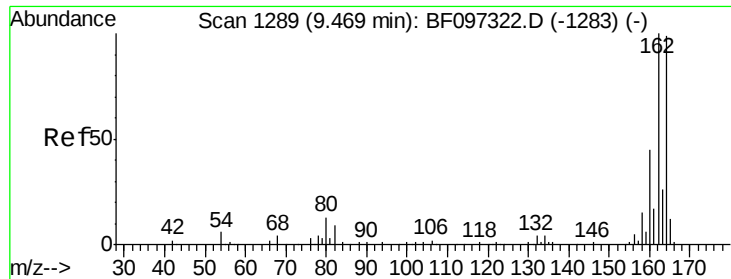
Tot Ion:107 Resp: 221123
 Ion Ratio Lower Upper
 107 100
 144 25.2 24.2 36.4
 142 79.0 73.4 110.0



#37
 2-Methylnaphthalene
 Concen: 30.52 ng
 RT: 8.43 min Scan# 1130
 Delta R.T. -0.06 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

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

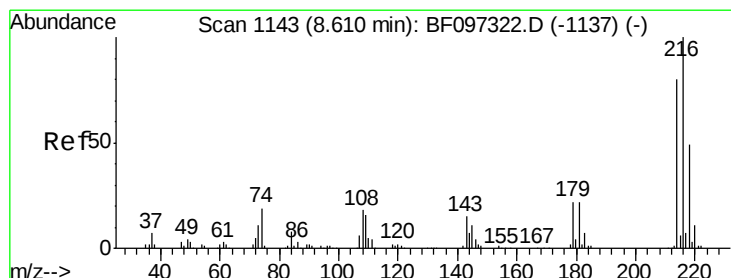
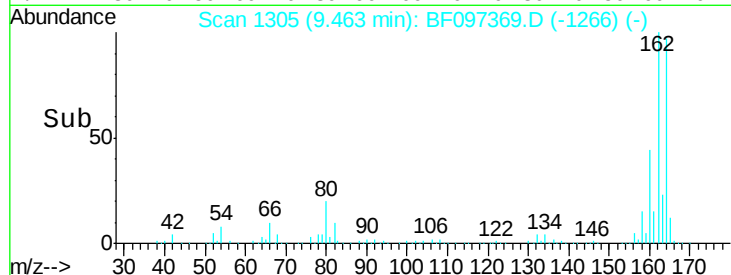
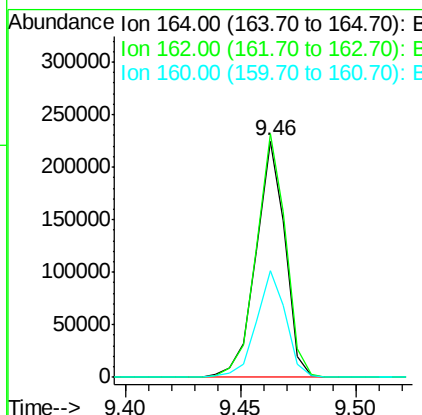
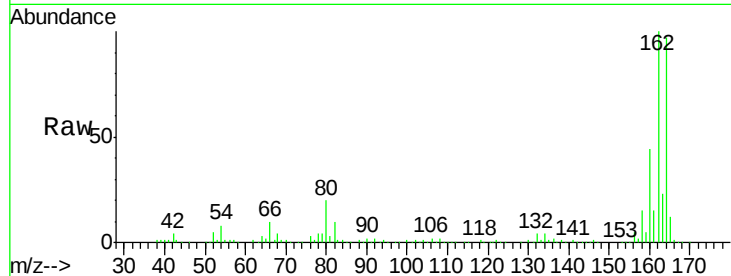




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.46 min Scan# 1305
 Delta R.T. -0.07 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

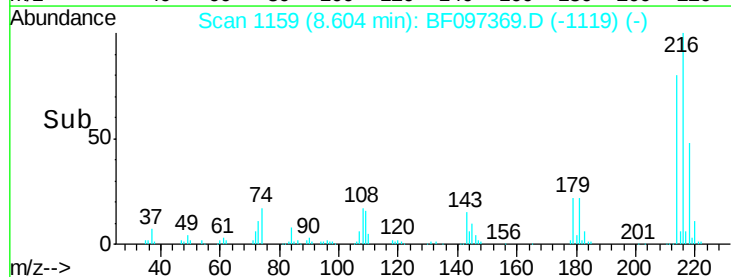
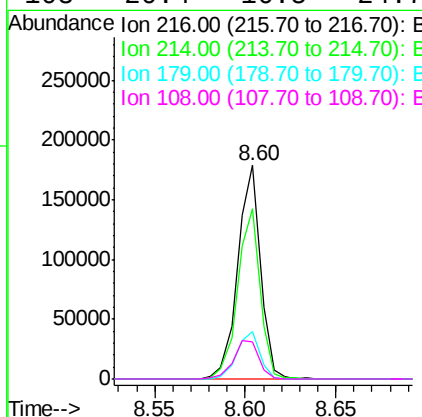
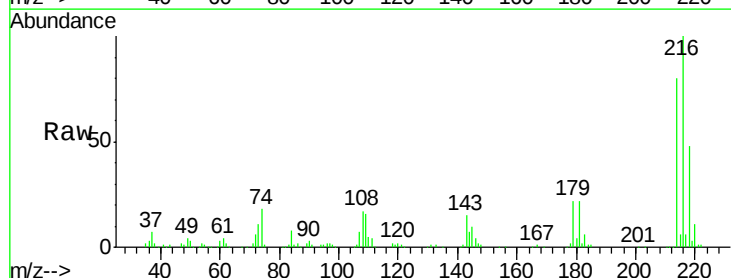
Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

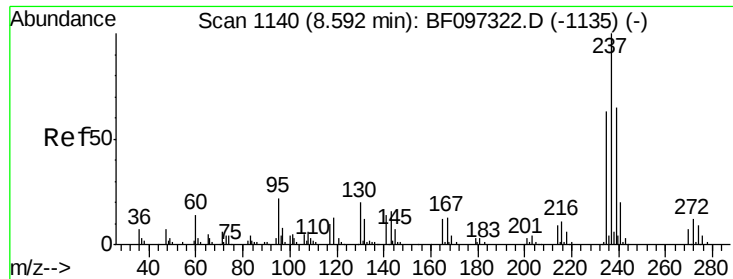
Tot Ion:164 Resp: 196788
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.6 123.8
 160 45.1 36.2 54.2



#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 29.72 ng
 RT: 8.60 min Scan# 1159
 Delta R.T. -0.06 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Tgt Ion:216 Resp: 156031
 Ion Ratio Lower Upper
 216 100
 214 79.1 63.4 95.2
 179 22.6 17.9 26.9
 108 20.4 16.5 24.7

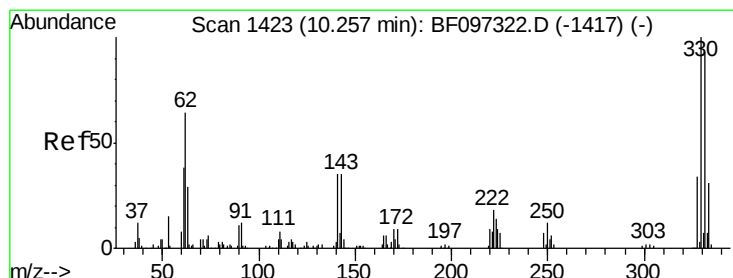
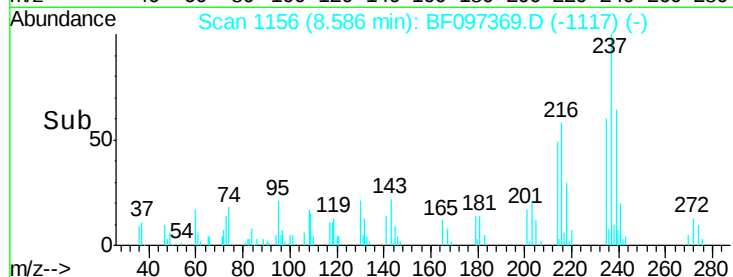
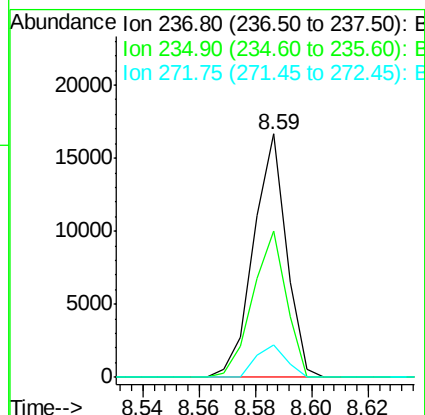
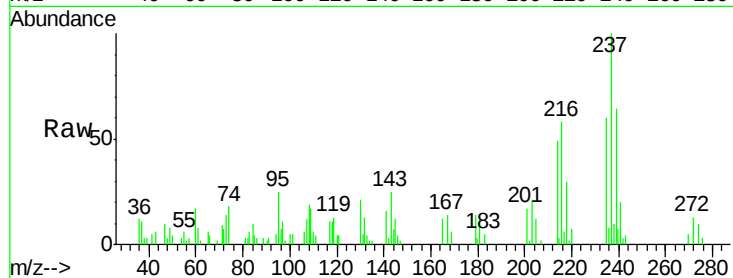




#40
Hexachlorocyclopentadiene
Concen: 13.31 ng
RT: 8.59 min Scan# 1156
Delta R.T. -0.07 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

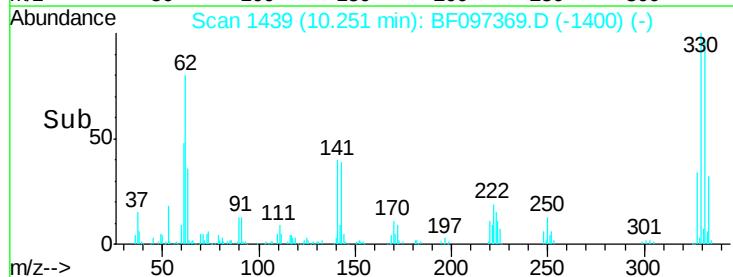
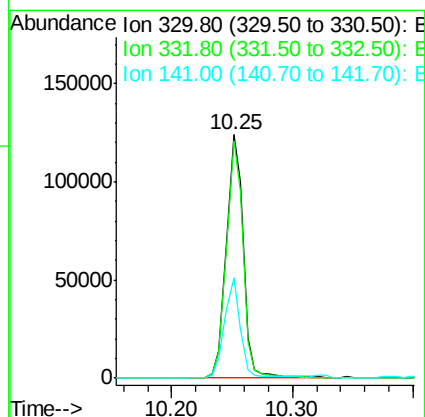
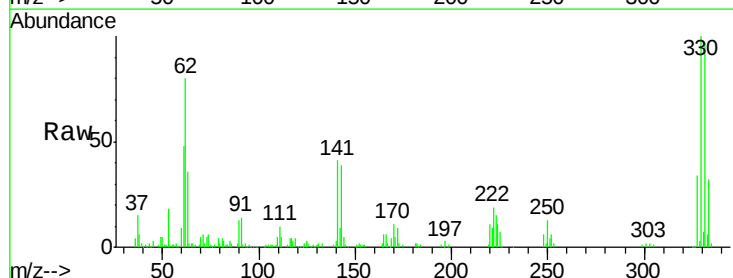
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

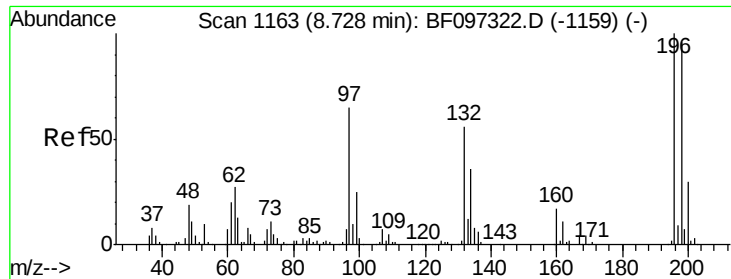
Tot Ion:237 Resp: 13447
Ion Ratio Lower Upper
237 100
235 60.3 42.6 82.6
272 13.5 0.0 31.9



#41
2,4,6-Tribromophenol
Concen: 77.92 ng
RT: 10.25 min Scan# 1439
Delta R.T. -0.07 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

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

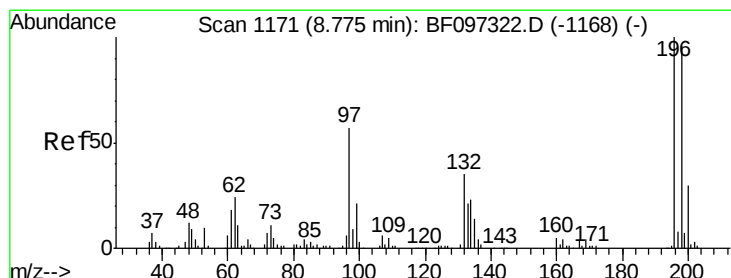
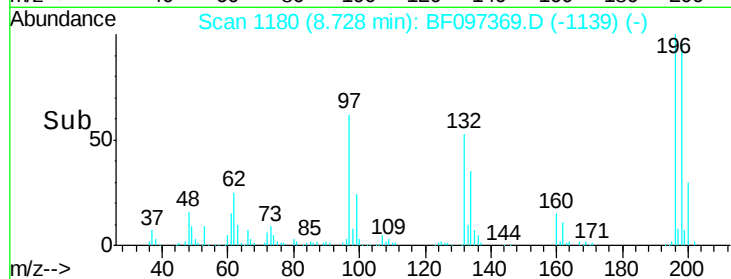
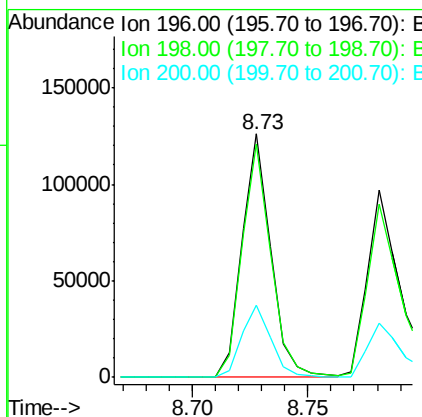
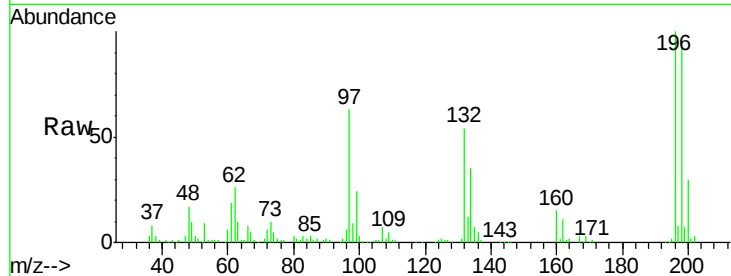




#42
 2,4,6-Trichlorophenol
 Concen: 28.94 ng
 RT: 8.73 min Scan# 1180
 Delta R.T. -0.06 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

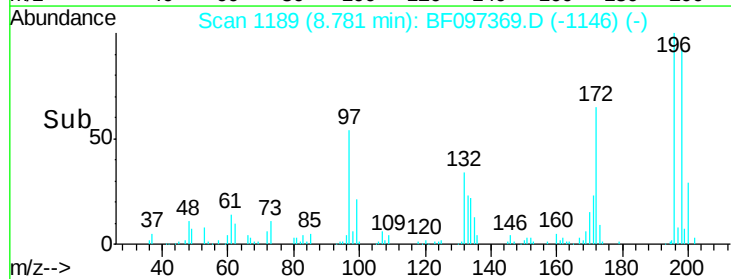
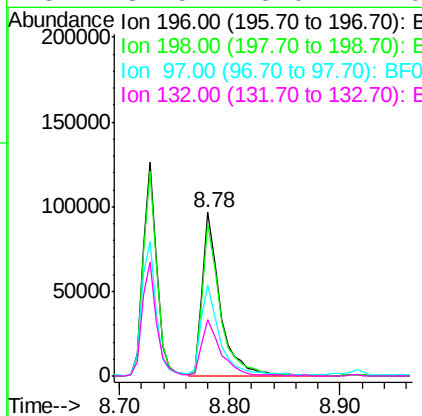
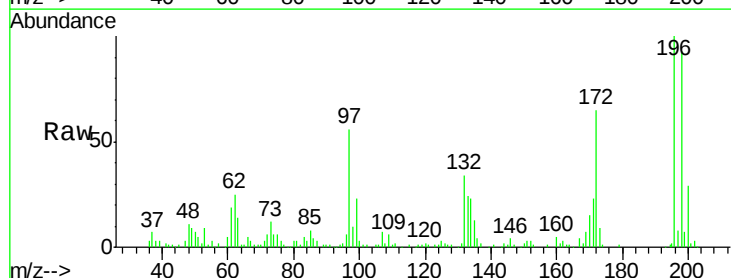
Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

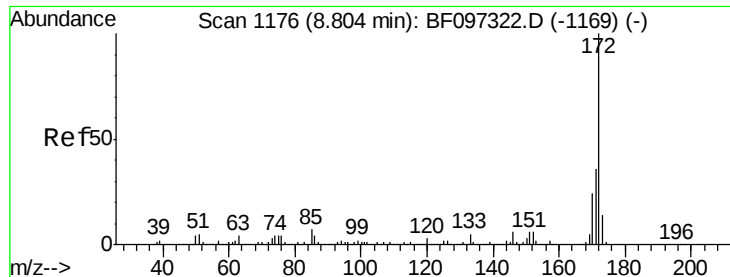
Tot Ion:196	Resp:	110133
Ion Ratio	Lower	Upper
196	100	
198	95.8	74.2 111.4
200	29.5	24.0 36.0



#43
 2,4,5-Trichlorophenol
 Concen: 27.91 ng
 RT: 8.78 min Scan# 1189
 Delta R.T. -0.05 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

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

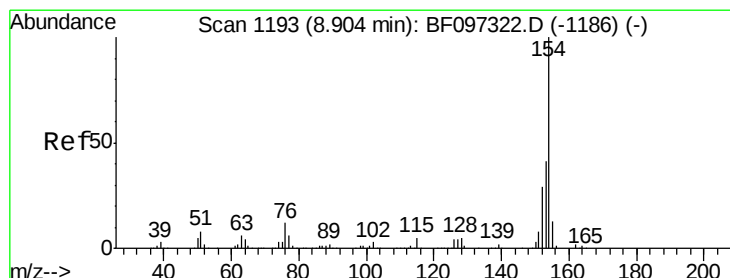
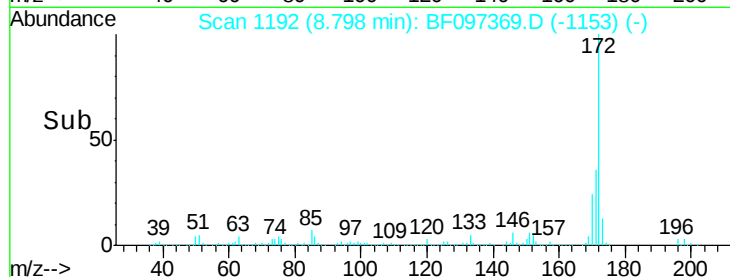
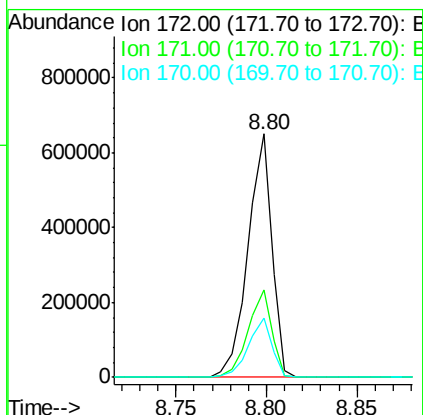
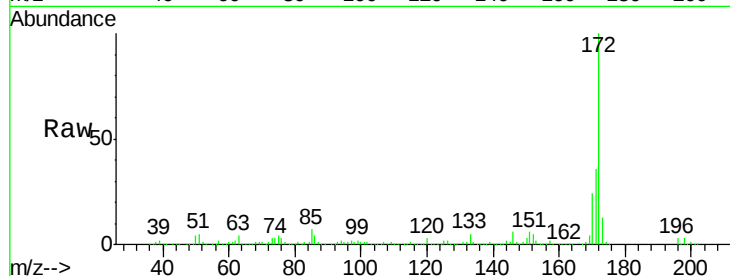




#44
2-Fluorobiphenyl
Concen: 51.53 ng
RT: 8.80 min Scan# 1192
Delta R.T. -0.07 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

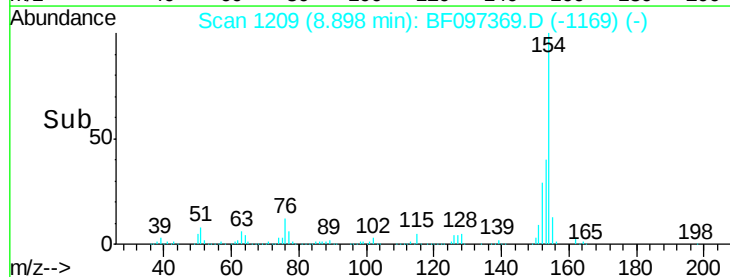
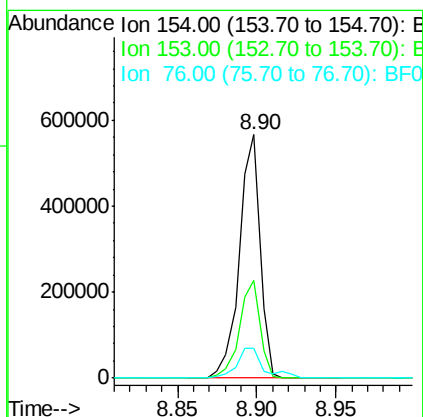
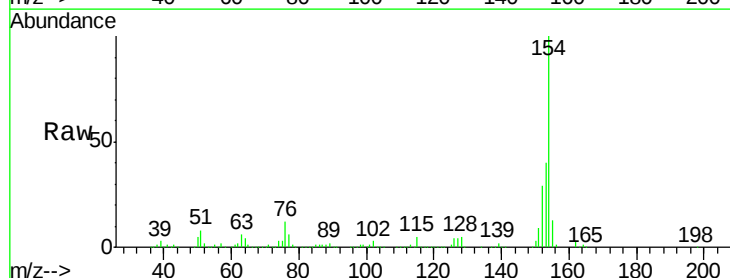
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

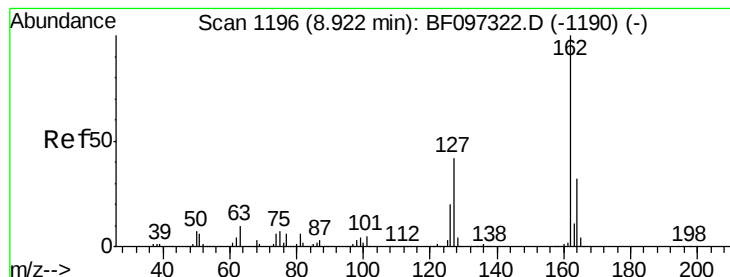
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	24.3	19.8	29.8



#45
1,1'-Biphenyl
Concen: 30.48 ng
RT: 8.90 min Scan# 1209
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

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





#46

2-Chloronaphthalene

Concen: 31.78 ng

RT: 8.92 min Scan# 1212

Delta R.T. -0.07 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMSD

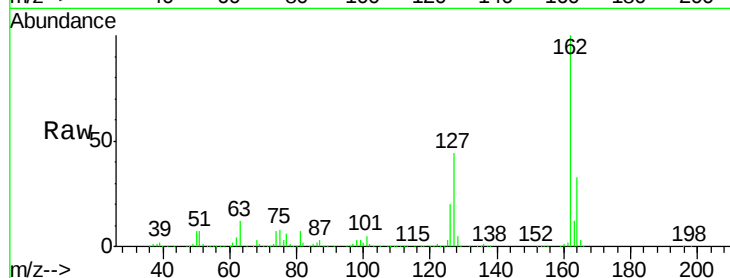
Tot Ion: 162 Resp: 393088

Ion Ratio Lower Upper

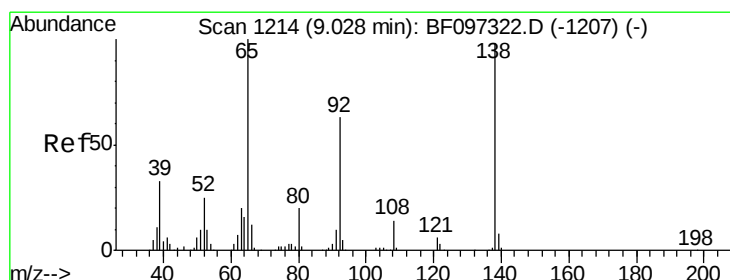
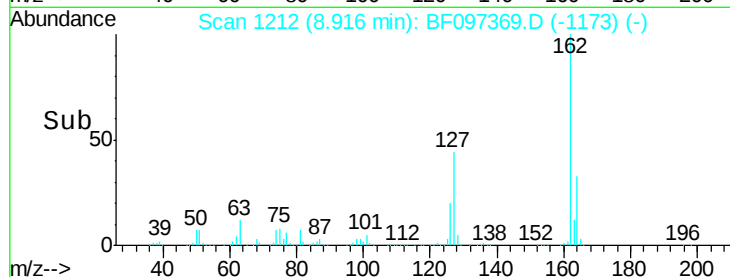
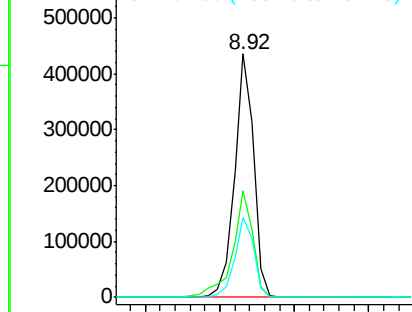
162 100

127 43.7 28.3 42.5#

164 32.7 27.0 40.4



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



#47

2-Nitroaniline

Concen: 36.67 ng

RT: 9.03 min Scan# 1231

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

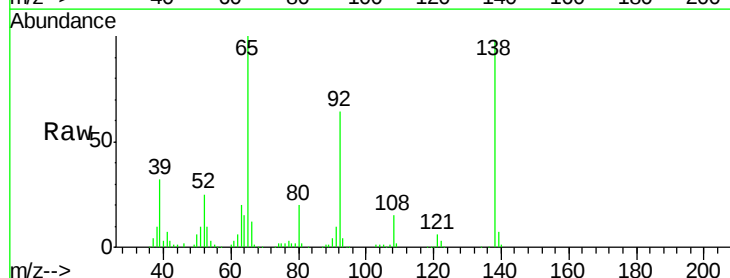
Tgt Ion: 65 Resp: 164615

Ion Ratio Lower Upper

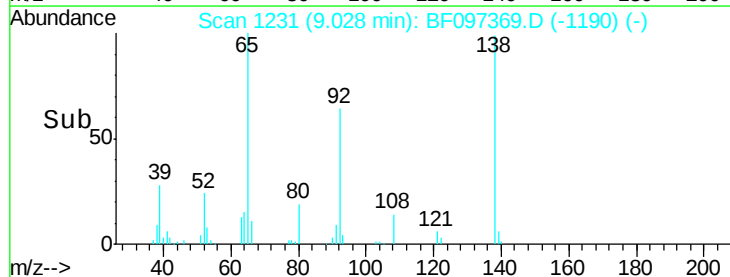
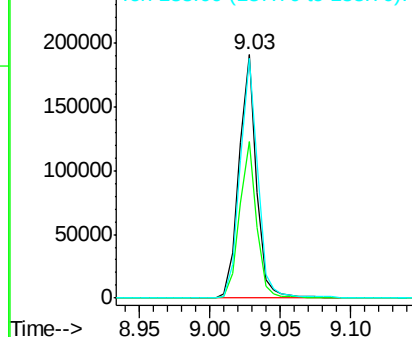
65 100

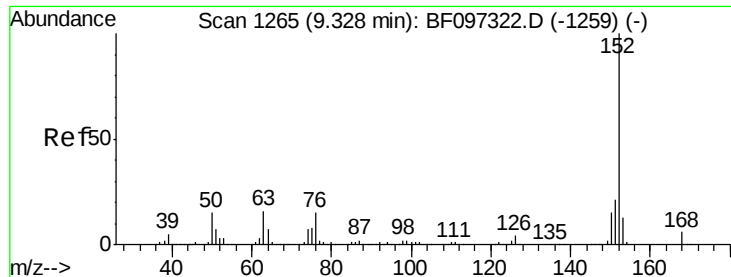
92 64.3 53.9 80.9

138 98.5 78.8 118.2



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E

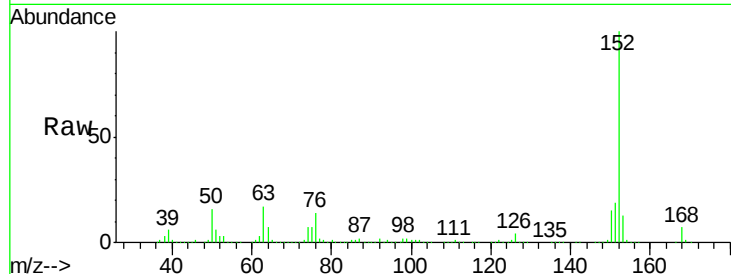




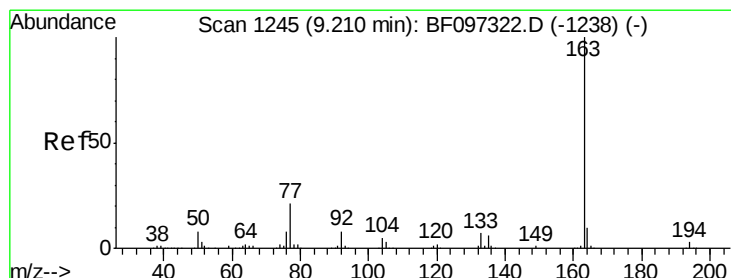
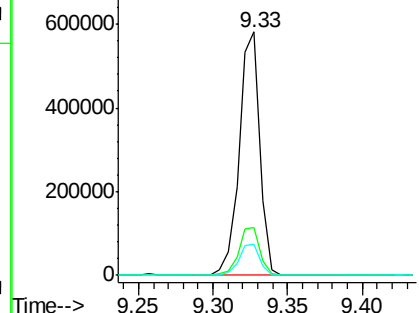
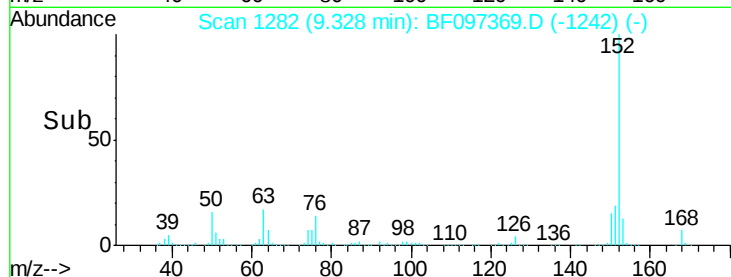
#48
Acenaphthylene
Concen: 29.67 ng
RT: 9.33 min Scan# 1282
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

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

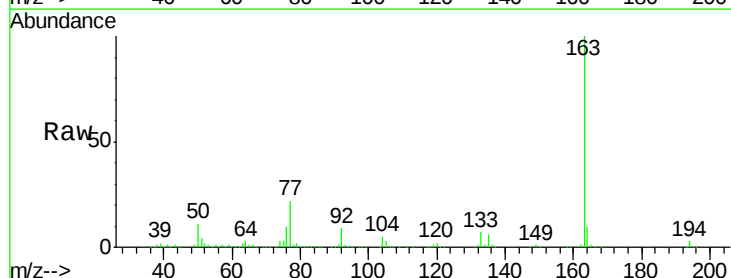


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

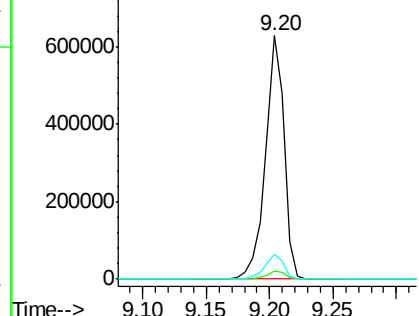
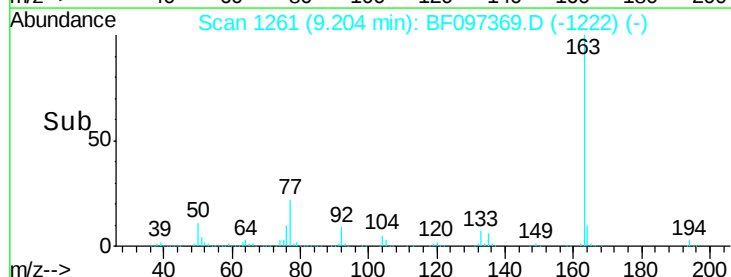


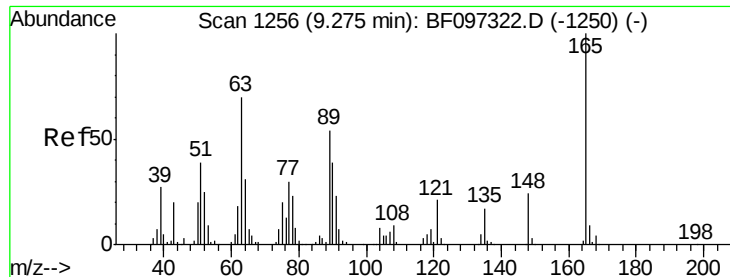
#49
Dimethylphthalate
Concen: 43.59 ng
RT: 9.20 min Scan# 1261
Delta R.T. -0.07 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

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



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

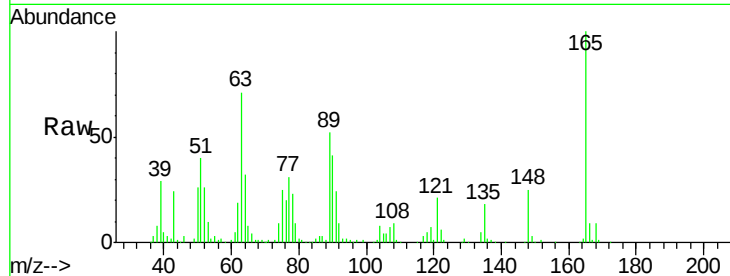




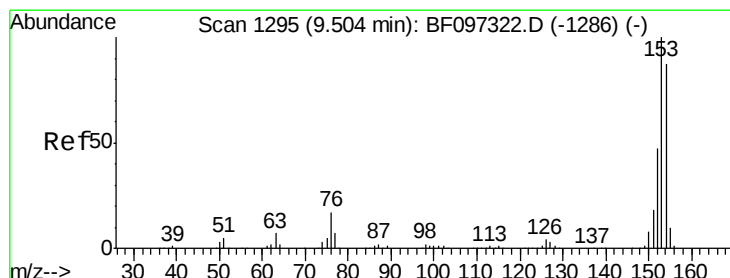
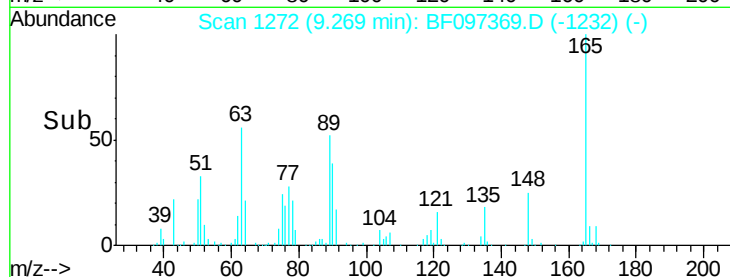
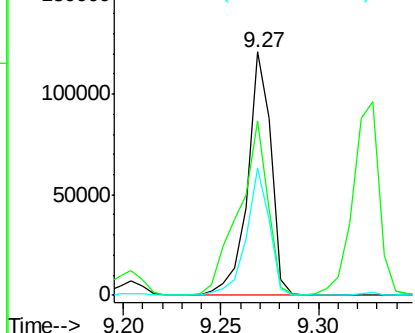
#50
 2,6-Dinitrotoluene
 Concen: 31.65 ng
 RT: 9.27 min Scan# 1272
 Delta R.T. -0.06 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

Tot Ion:165 Resp: 100311
 Ion Ratio Lower Upper
 165 100
 63 71.4 34.3 51.5#
 89 52.3 37.1 55.7

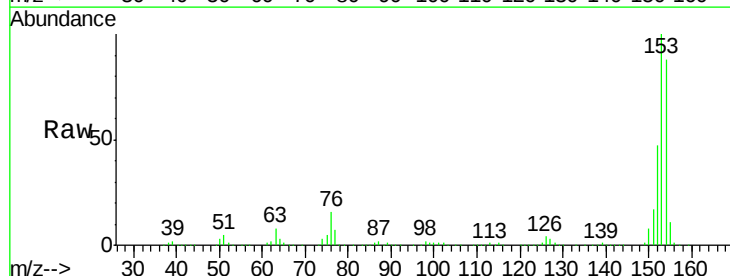


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

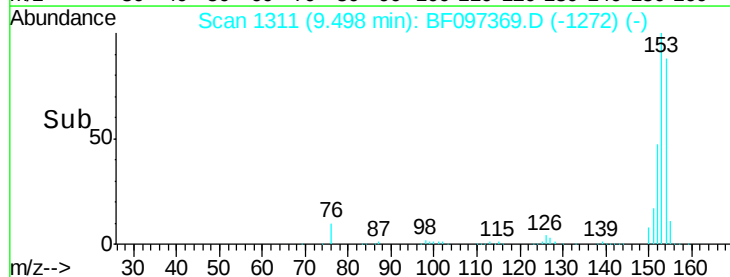
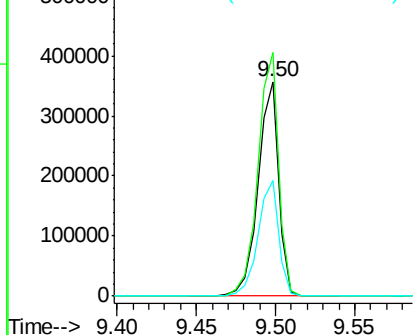


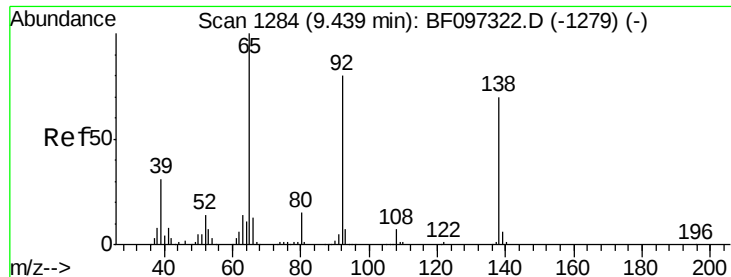
#51
 Acenaphthene
 Concen: 28.99 ng
 RT: 9.50 min Scan# 1311
 Delta R.T. -0.07 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Tgt Ion:154 Resp: 324176
 Ion Ratio Lower Upper
 154 100
 153 113.4 90.5 135.7
 152 53.7 43.6 65.4



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

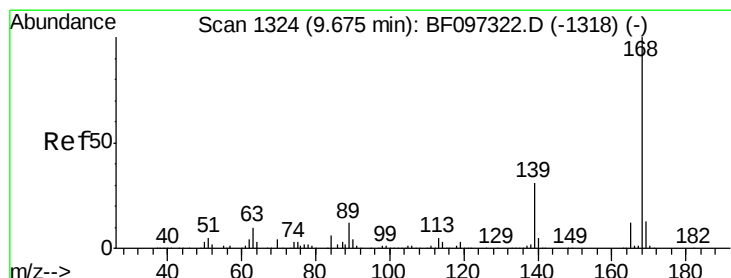
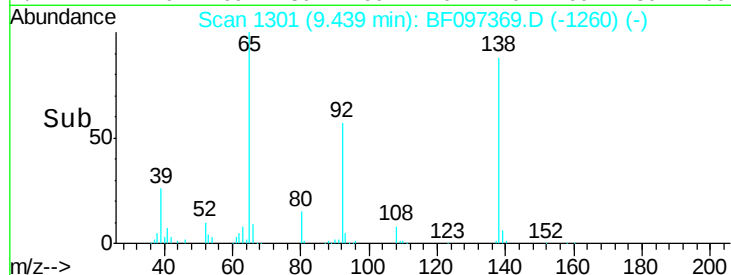
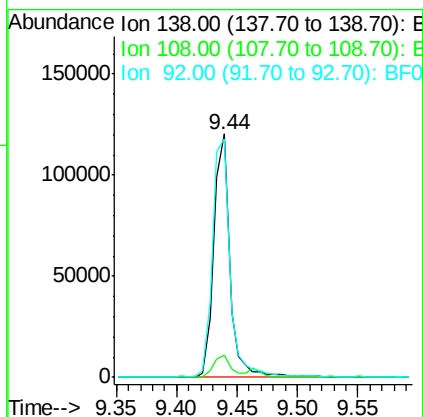
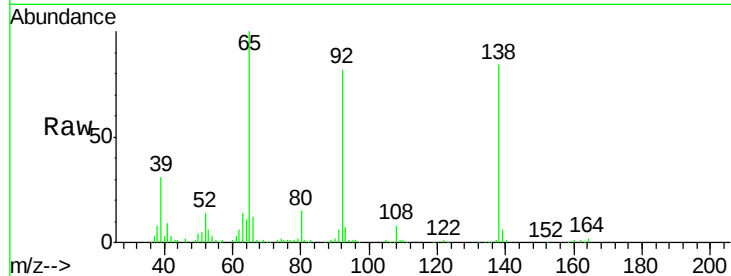




#52
3-Nitroaniline
Concen: 28.11 ng
RT: 9.44 min Scan# 1301
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

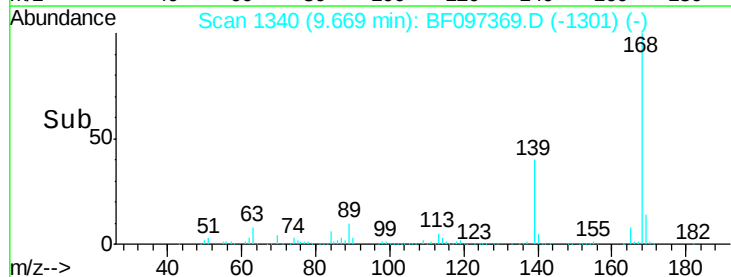
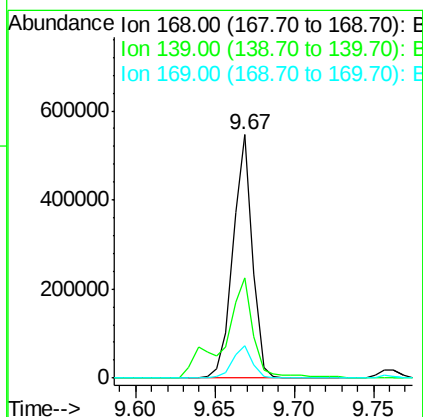
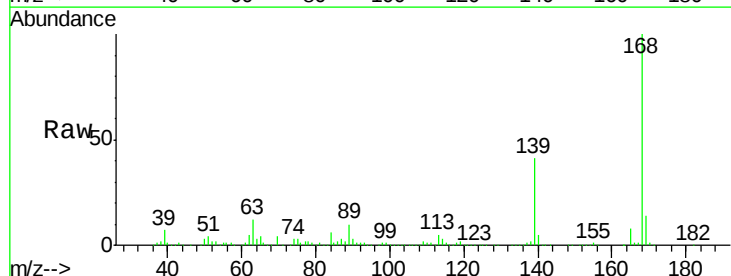
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

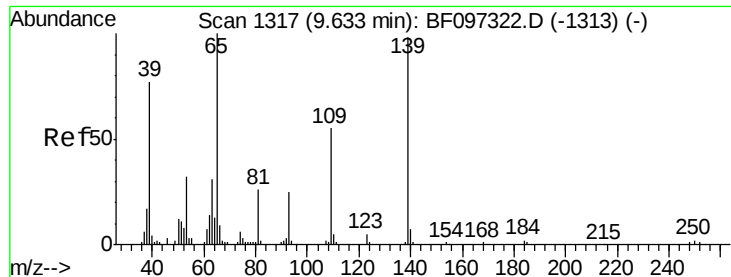
Tot Ion:138 Resp: 110568
Ion Ratio Lower Upper
138 100
108 9.3 9.1 13.7
92 97.8 93.8 140.6



#54
Dibenzofuran
Concen: 31.02 ng
RT: 9.67 min Scan# 1340
Delta R.T. -0.07 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

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

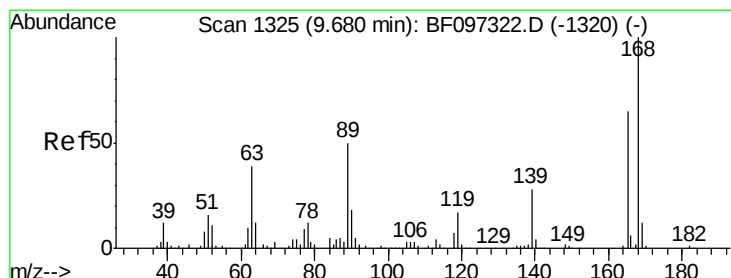
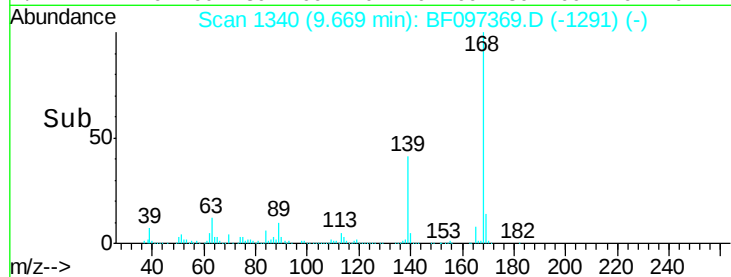
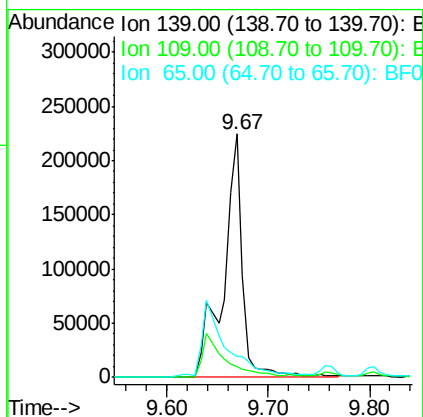
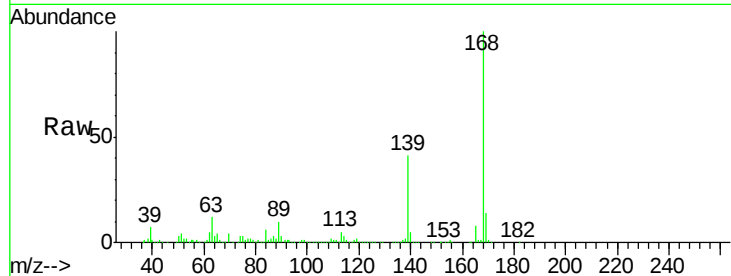




#55
4-Nitrophenol
Concen: 126.33 ng
RT: 9.67 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

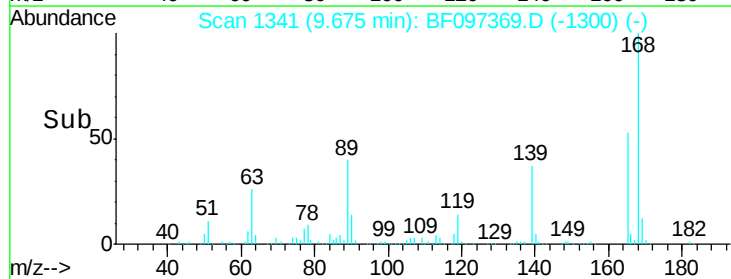
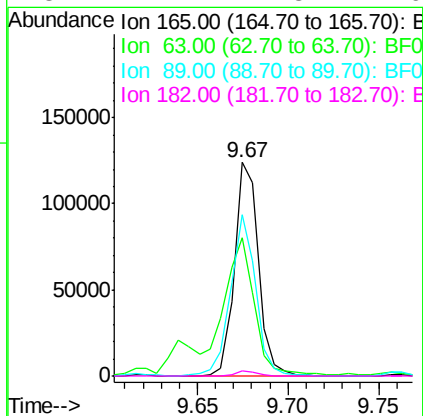
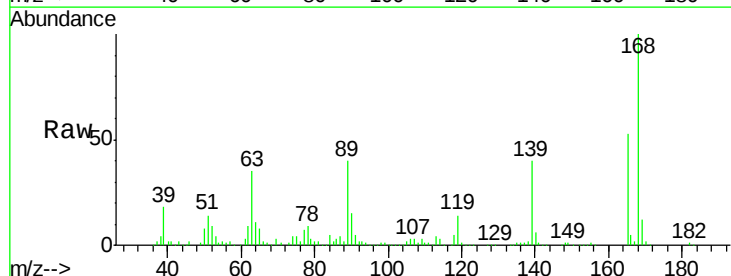
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

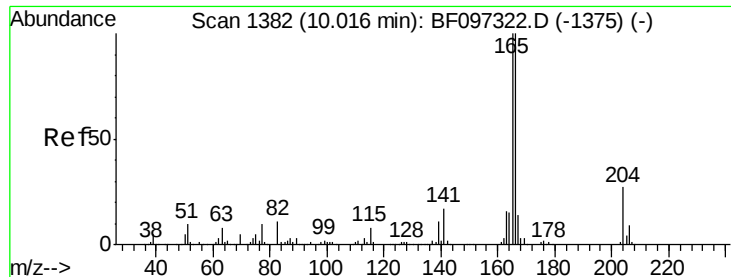
Tot Ion	Ratio	Lower	Upper
139	100		
109	4.6	34.1	74.1#
65	8.7	31.4	71.4#



#56
2,4-Dinitrotoluene
Concen: 31.32 ng
RT: 9.67 min Scan# 1341
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

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

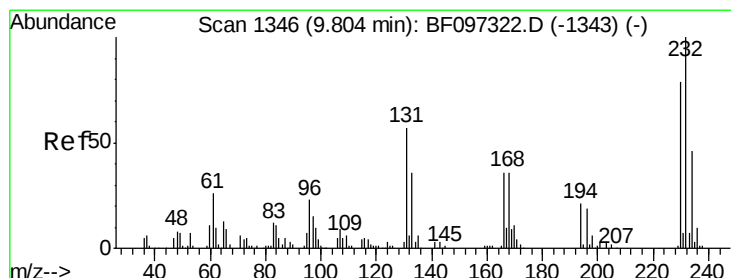
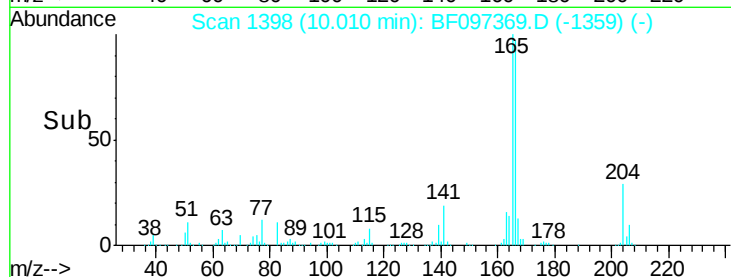
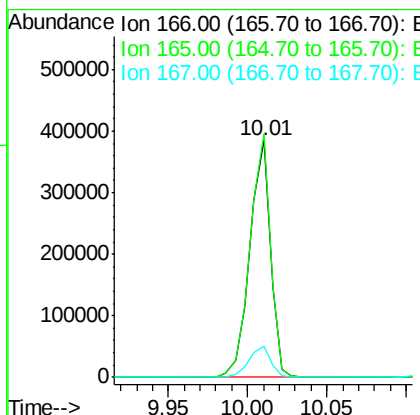
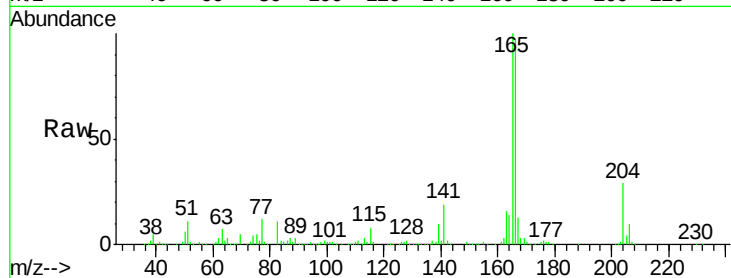




#57
Fluorene
 Concen: 31.21 ng
 RT: 10.01 min Scan# 1398
 Delta R.T. -0.07 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

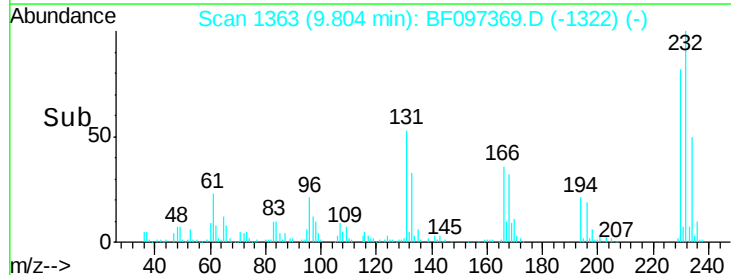
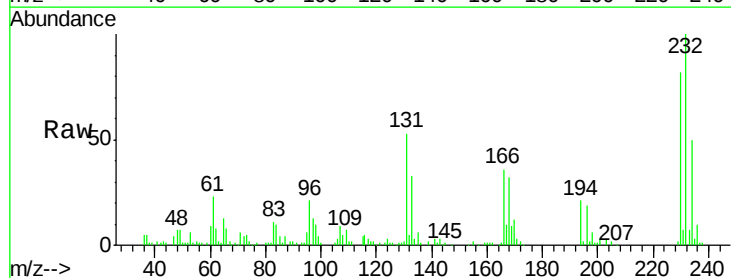
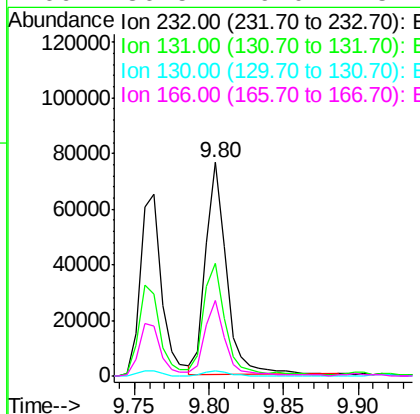
Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

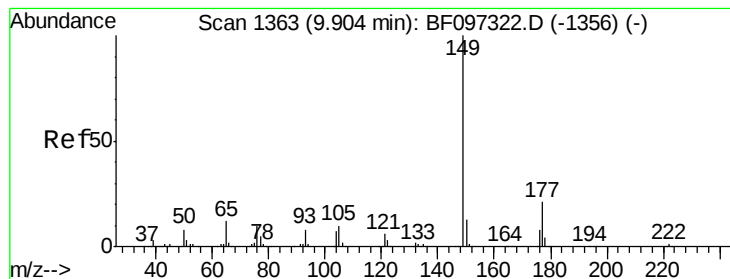
Tot Ion	166	Resp	349387
Ion Ratio	Lower	Upper	
166	100		
165	102.8	78.8	118.2
167	13.1	10.6	16.0



#58
2,3,4,6-Tetrachlorophenol
 Concen: 28.31 ng
 RT: 9.80 min Scan# 1363
 Delta R.T. -0.06 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

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





#59

Diethylphthalate

Concen: 31.03 ng

RT: 9.90 min Scan# 1379

Delta R.T. -0.07 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMSD

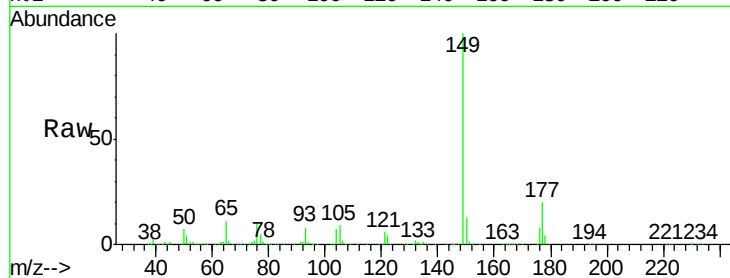
Tot Ion:149 Resp: 425391

Ion Ratio Lower Upper

149 100

177 20.2 16.7 25.1

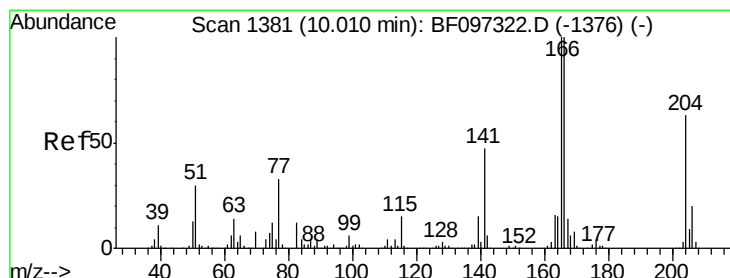
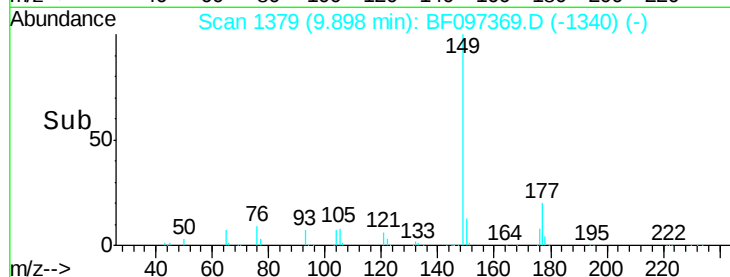
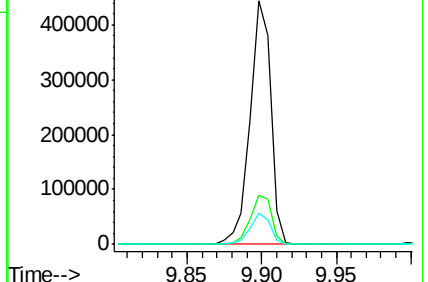
150 12.6 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 31.24 ng

RT: 10.00 min Scan# 1397

Delta R.T. -0.07 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

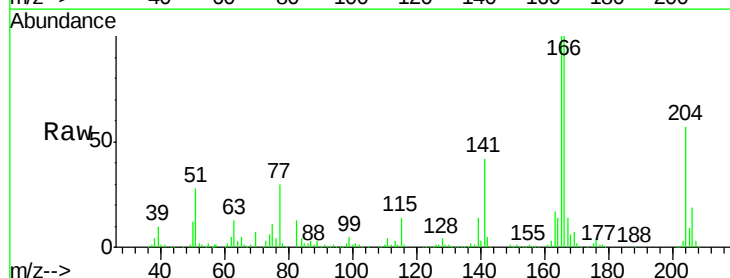
Tgt Ion:204 Resp: 144433

Ion Ratio Lower Upper

204 100

206 32.9 26.2 39.2

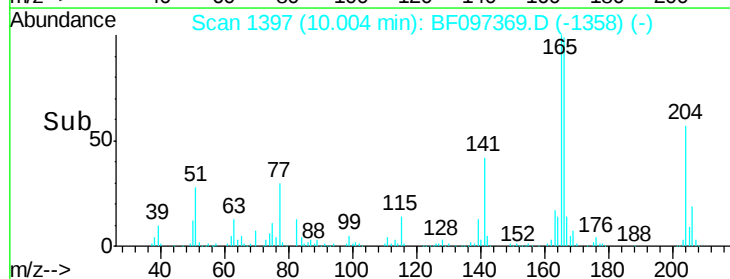
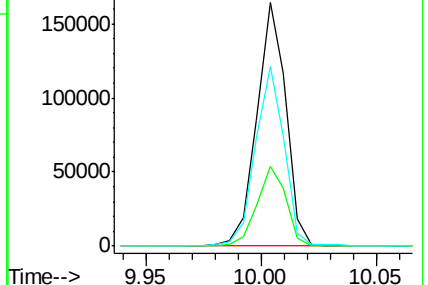
141 73.6 60.8 91.2

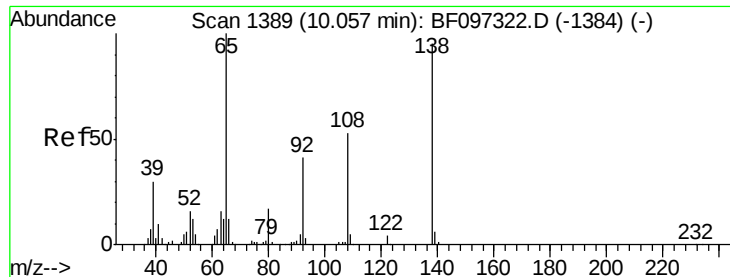


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

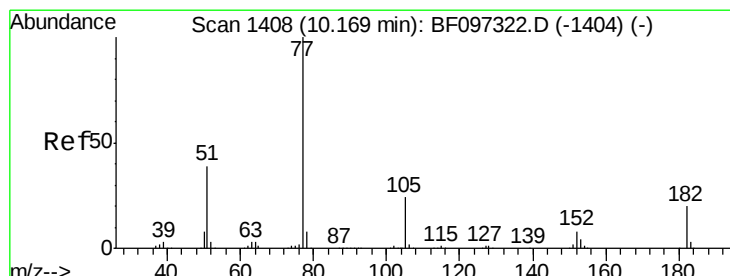
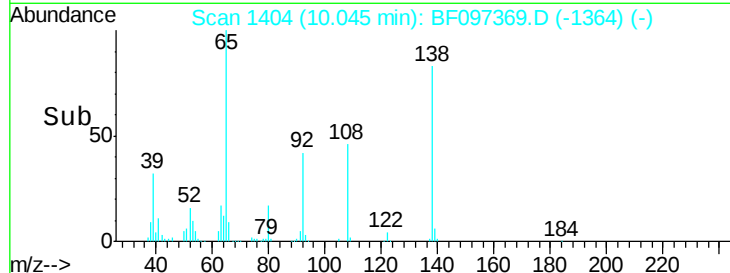
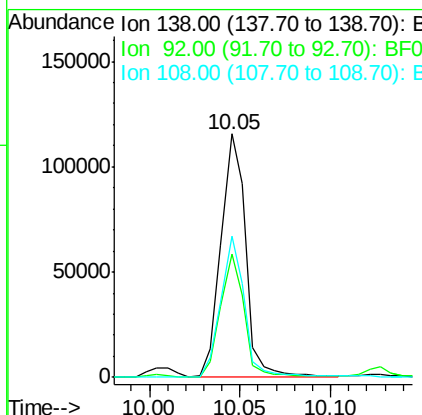
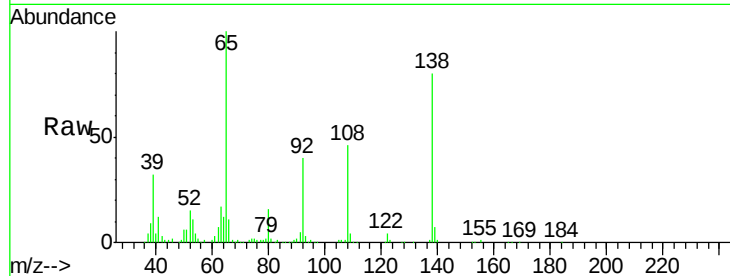




#61
4-Nitroaniline
Concen: 29.76 ng
RT: 10.05 min Scan# 1404
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

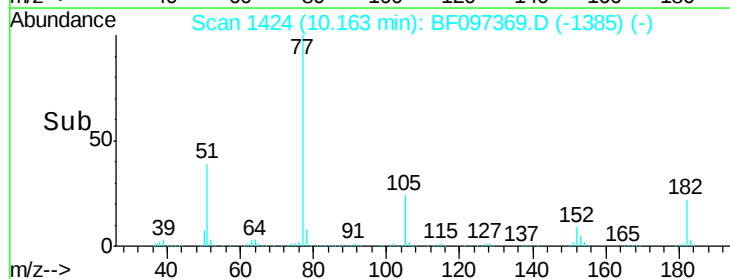
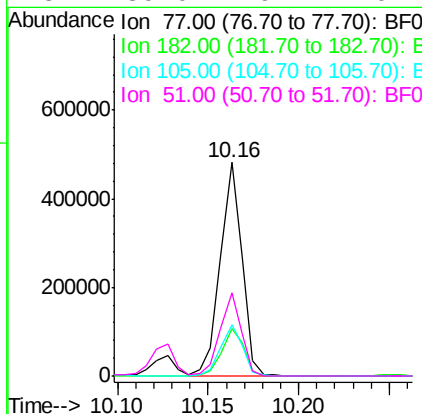
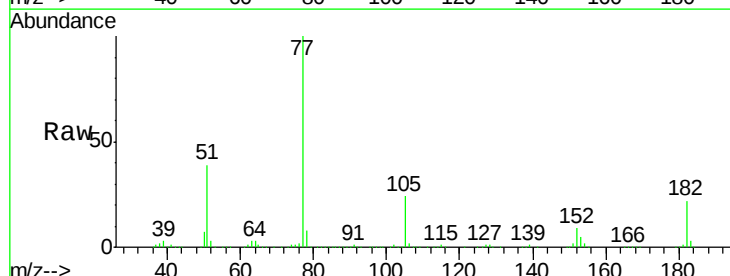
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

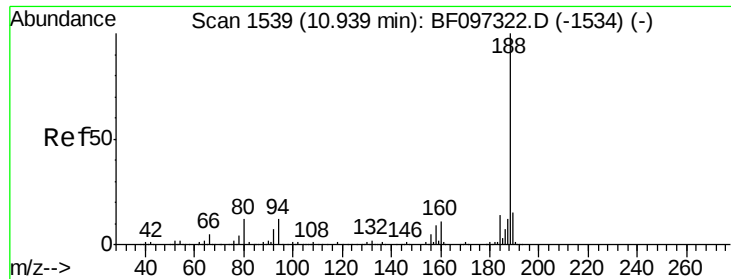
Tot Ion:138 Resp: 111253
Ion Ratio Lower Upper
138 100
92 50.6 21.8 61.8
108 57.8 42.3 82.3



#62
Azobenzene
Concen: 31.50 ng
RT: 10.16 min Scan# 1424
Delta R.T. -0.07 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Tgt Ion: 77 Resp: 400663
Ion Ratio Lower Upper
77 100
182 22.5 0.1 40.1
105 24.2 3.6 43.6
51 39.0 9.4 49.4

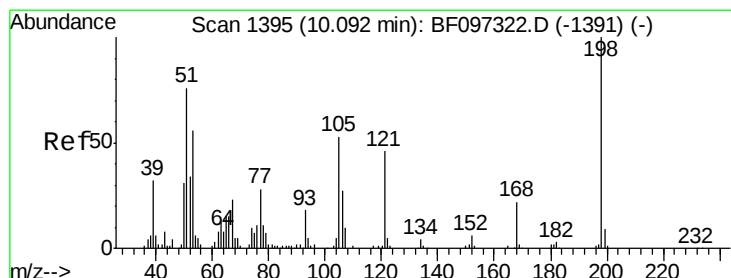
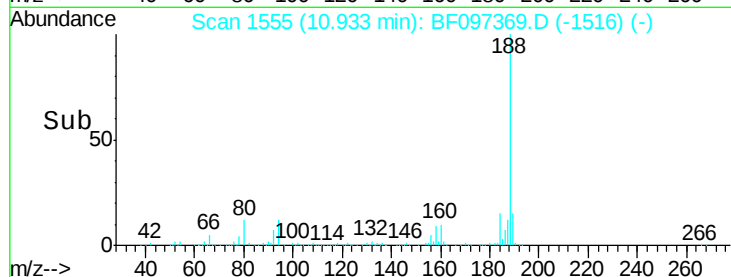
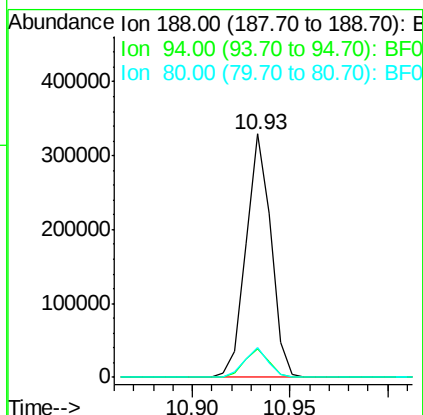
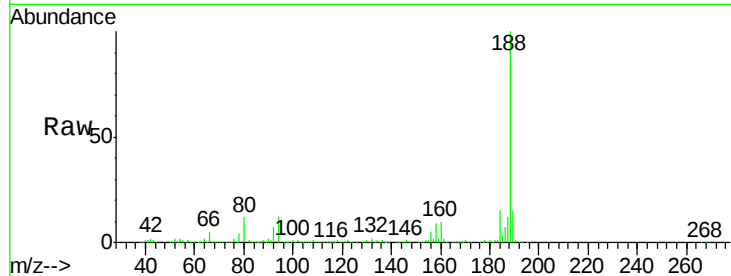




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.93 min Scan# 1555
Delta R.T. -0.07 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

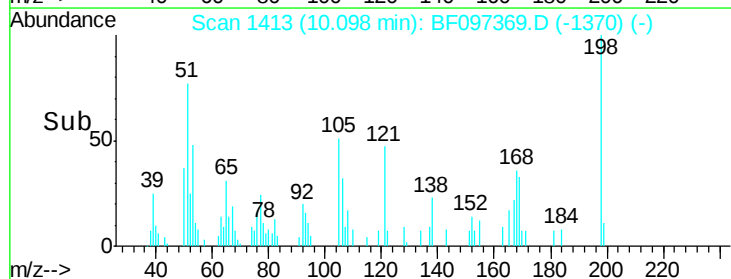
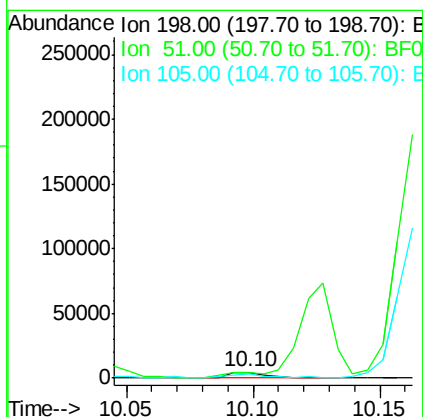
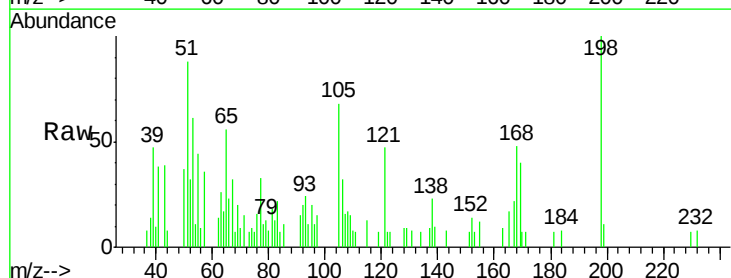
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

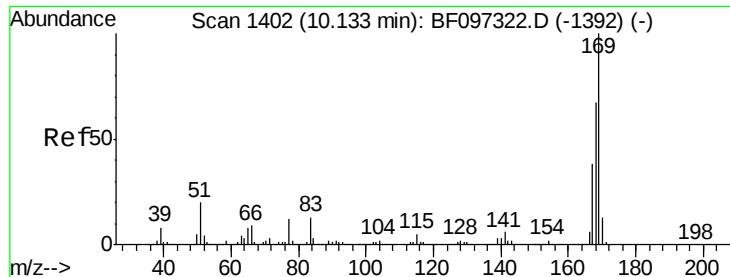
Tot Ion:188 Resp: 291718
Ion Ratio Lower Upper
188 100
94 11.8 9.4 14.2
80 12.0 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 2.91 ng
RT: 10.10 min Scan# 1413
Delta R.T. -0.05 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

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

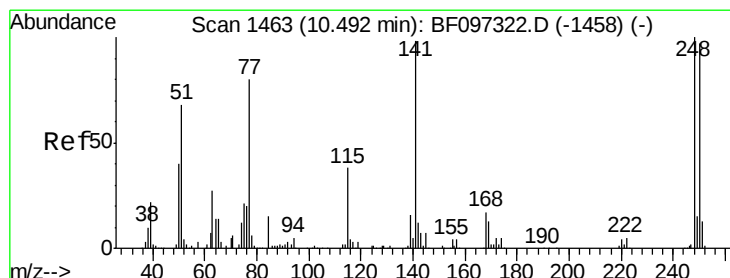
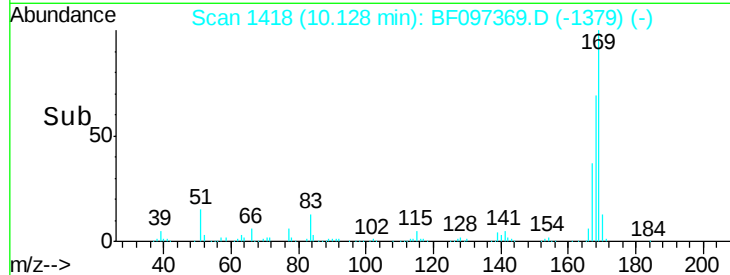
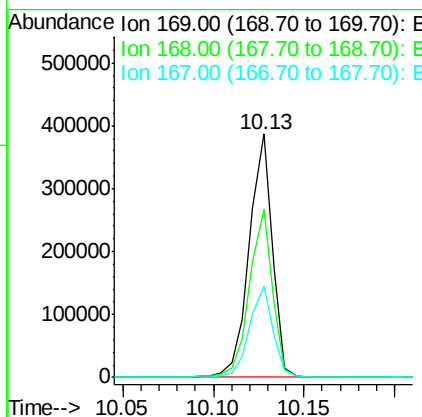
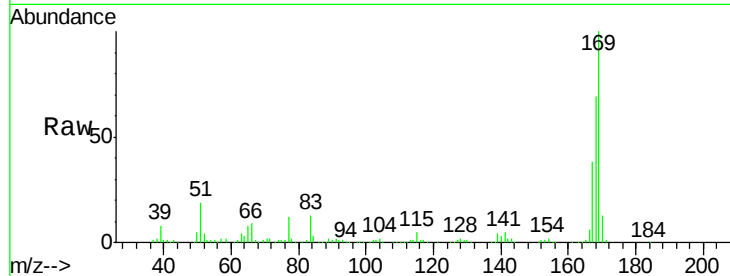




#65
 n-Nitrosodiphenylamine
 Concen: 33.84 ng
 RT: 10.13 min Scan# 1418
 Delta R.T. -0.07 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

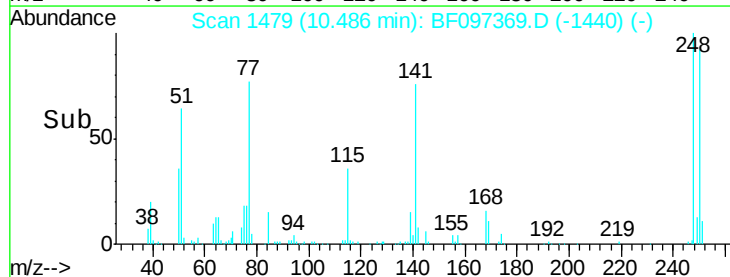
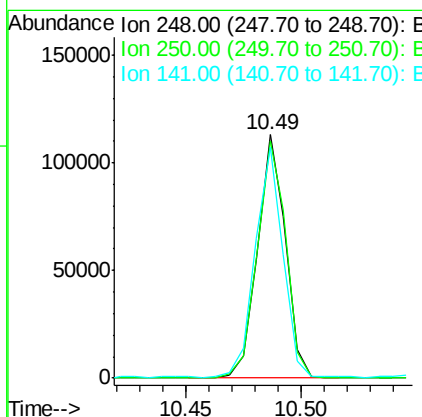
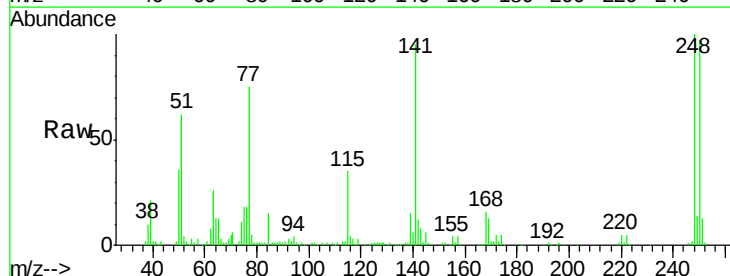
Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

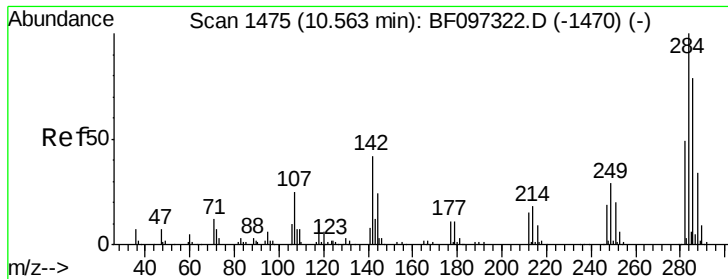
Tot Ion:169 Resp: 343507
 Ion Ratio Lower Upper
 169 100
 168 69.1 53.2 79.8
 167 37.7 29.5 44.3



#66
 4-Bromophenyl-phenylether
 Concen: 32.78 ng
 RT: 10.49 min Scan# 1479
 Delta R.T. -0.07 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

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

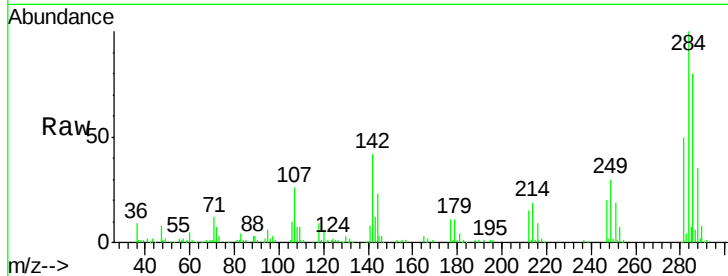




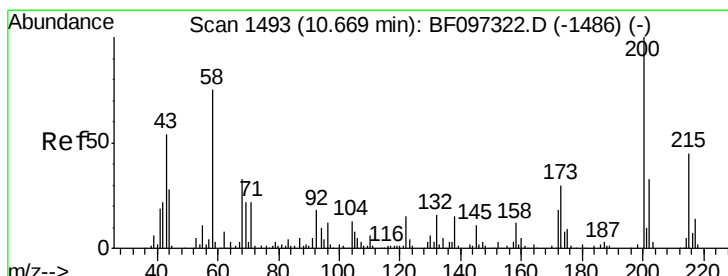
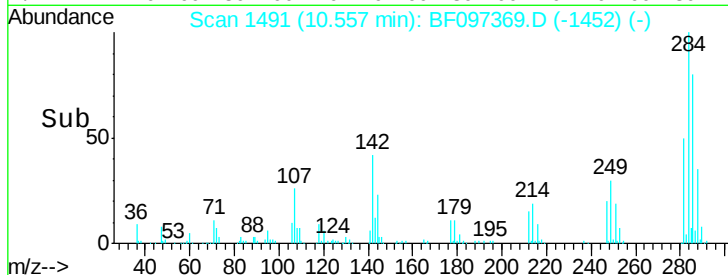
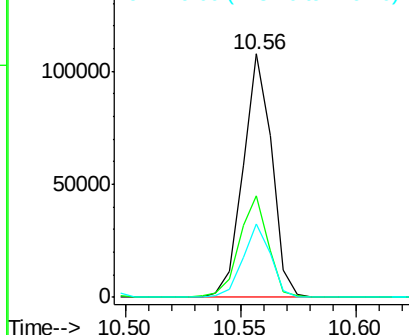
#67
Hexachlorobenzene
Concen: 28.59 ng
RT: 10.56 min Scan# 1491
Delta R.T. -0.07 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

Tot Ion:284 Resp: 93327
Ion Ratio Lower Upper
284 100
142 41.7 22.8 34.2#
249 30.1 24.0 36.0

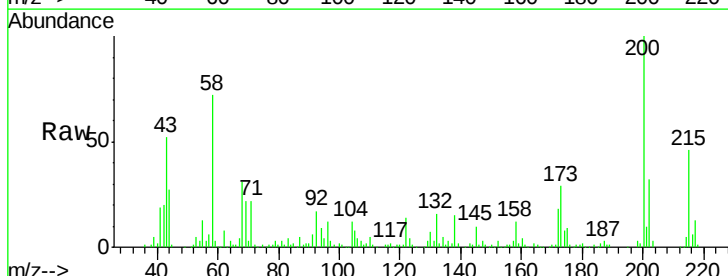


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

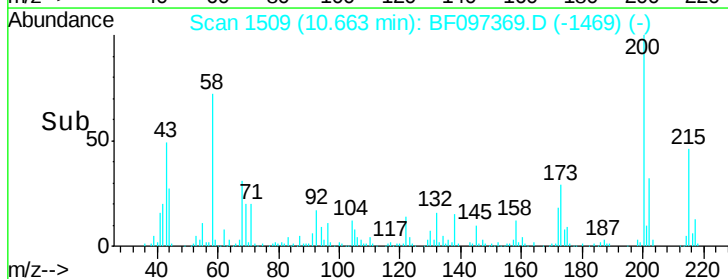
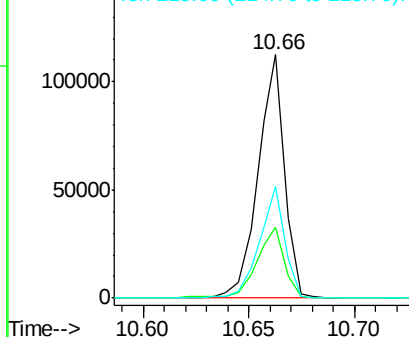


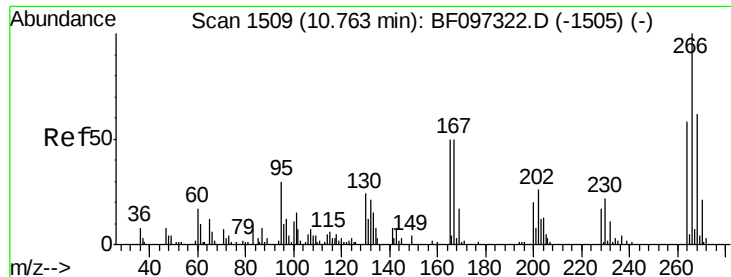
#68
Atrazine
Concen: 33.53 ng
RT: 10.66 min Scan# 1509
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Tgt Ion:200 Resp: 97592
Ion Ratio Lower Upper
200 100
173 29.2 6.3 46.3
215 45.7 27.2 67.2



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

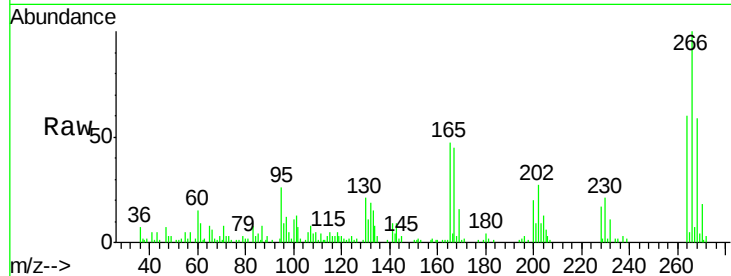




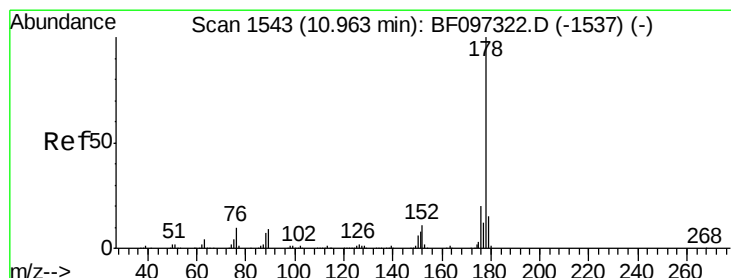
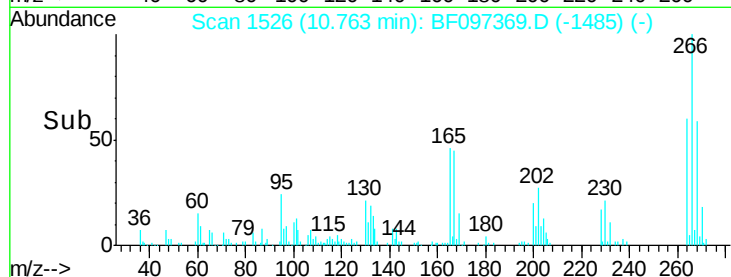
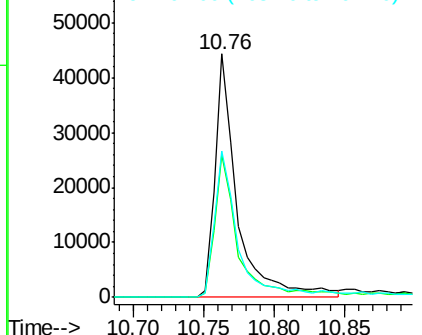
#69
 Pentachlorophenol
 Concen: 36.14 ng
 RT: 10.76 min Scan# 1526
 Delta R.T. -0.06 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

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

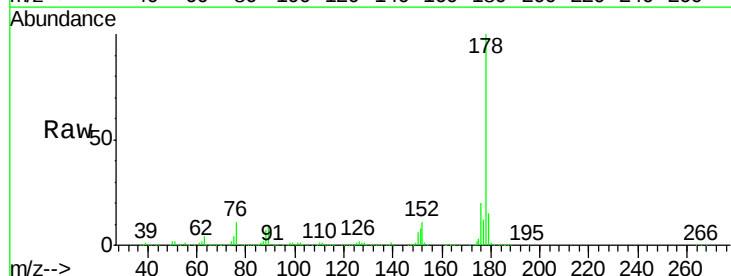


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

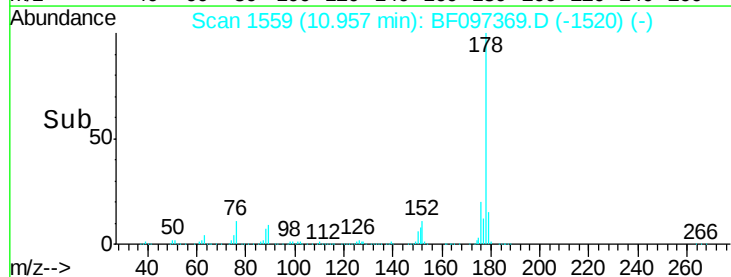
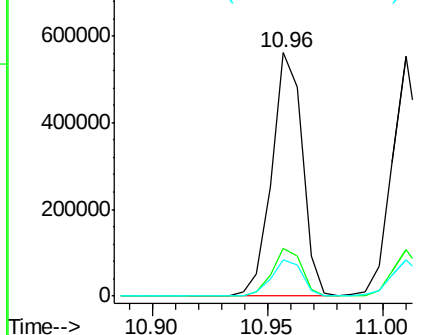


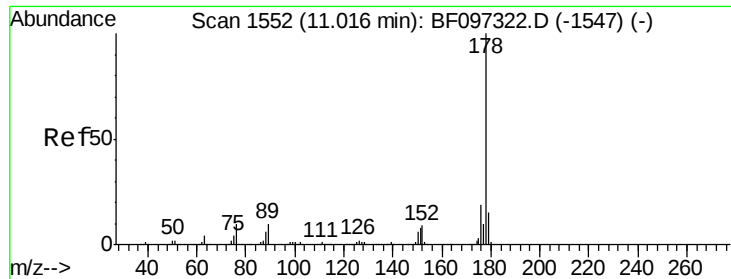
#70
 Phenanthrene
 Concen: 32.94 ng
 RT: 10.96 min Scan# 1559
 Delta R.T. -0.07 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

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

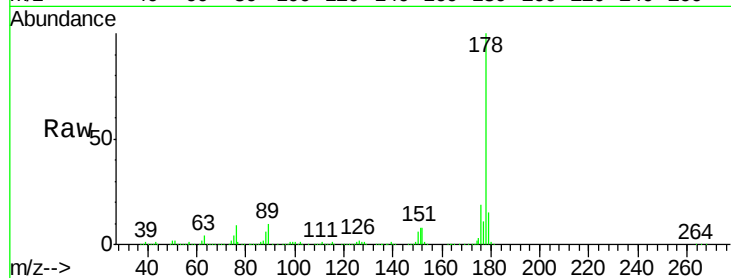




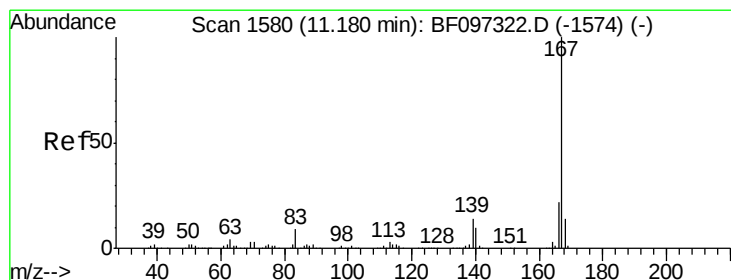
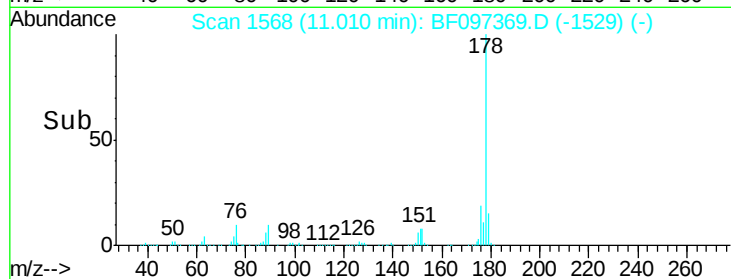
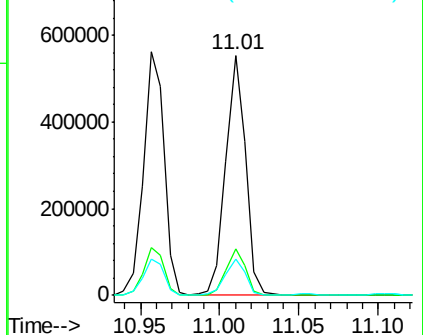
#71
 Anthracene
 Concen: 30.00 ng
 RT: 11.01 min Scan# 1568
 Delta R.T. -0.07 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

Tot Ion:178 Resp: 480204
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 15.2 12.7 19.1

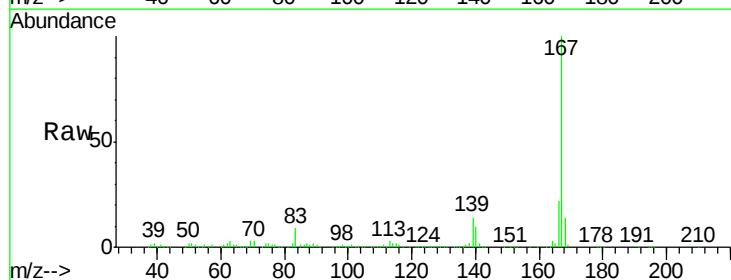


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

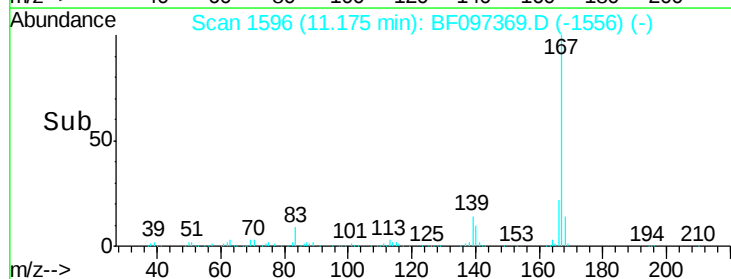
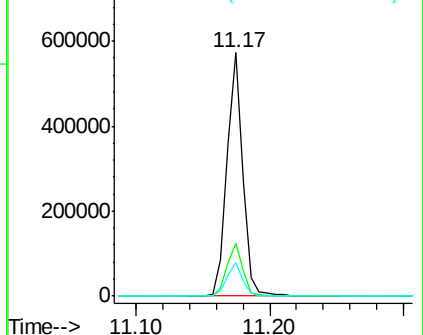


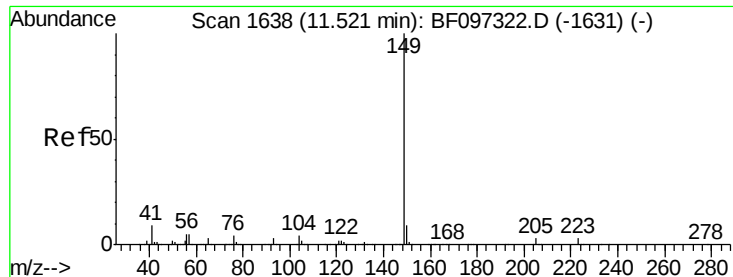
#72
 Carbazole
 Concen: 30.68 ng
 RT: 11.17 min Scan# 1596
 Delta R.T. -0.06 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Tgt Ion:167 Resp: 483009
 Ion Ratio Lower Upper
 167 100
 166 21.9 18.1 27.1
 139 13.8 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

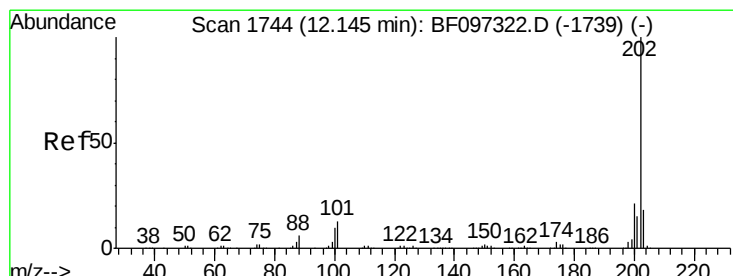
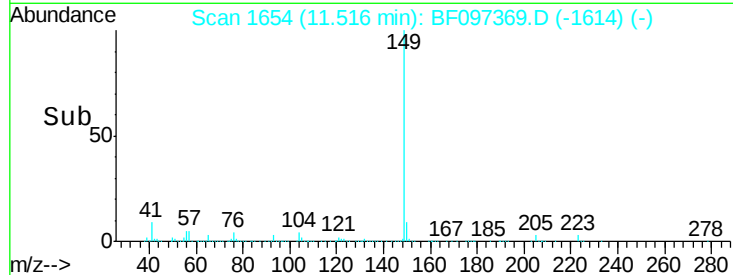
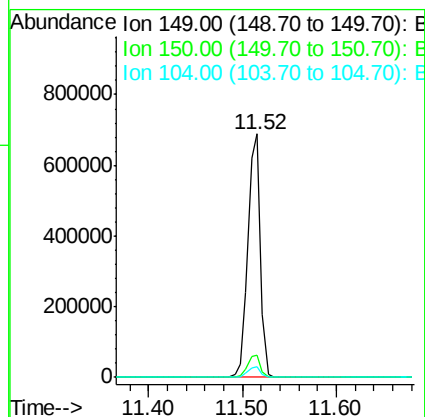
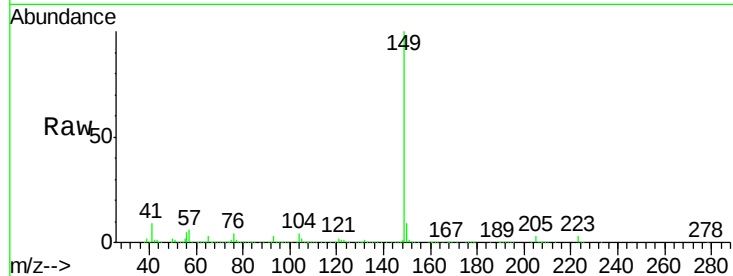




#73
Di-n-butylphthalate
Concen: 32.64 ng
RT: 11.52 min Scan# 1654
Delta R.T. -0.06 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

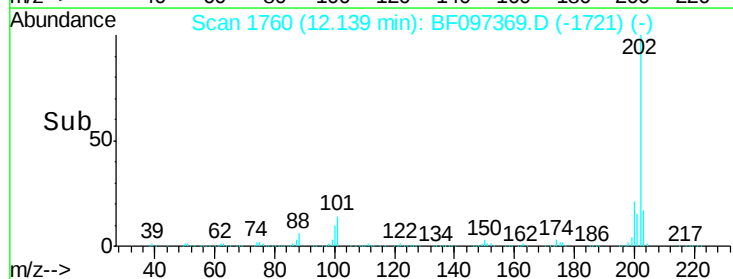
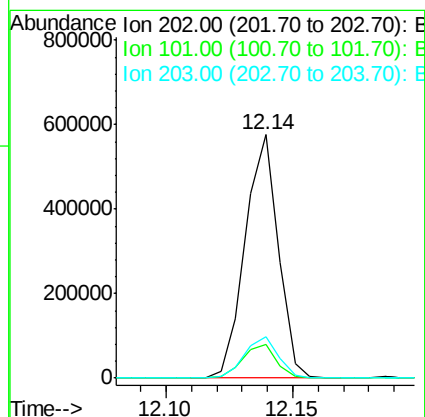
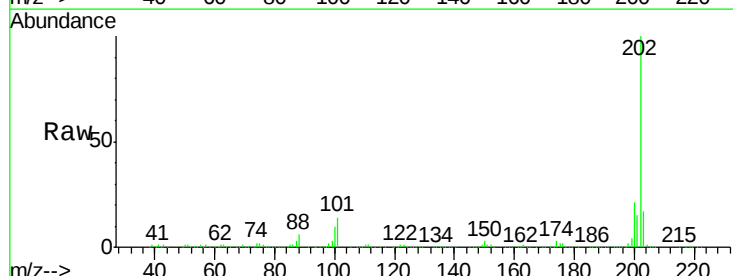
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

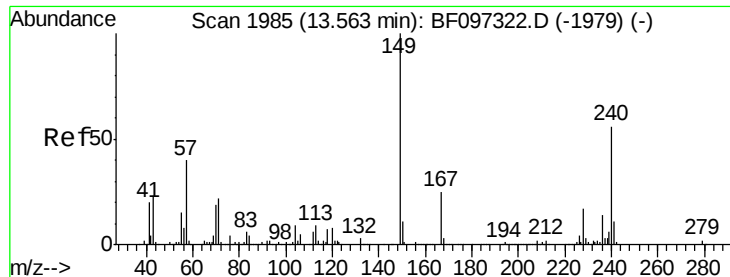
Tot Ion:149 Resp: 635269
Ion Ratio Lower Upper
149 100
150 9.0 7.7 11.5
104 4.4 4.0 6.0



#74
Fluoranthene
Concen: 34.23 ng
RT: 12.14 min Scan# 1760
Delta R.T. -0.07 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.56 min Scan# 2001

Delta R.T. -0.07 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMSD

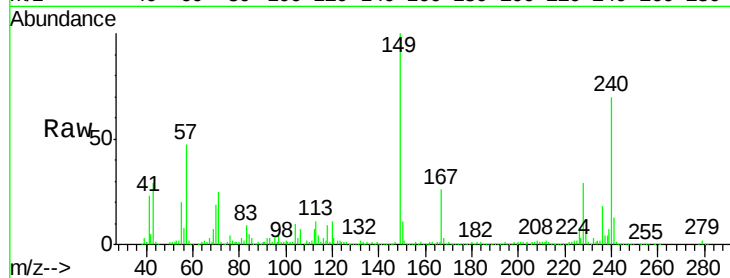
Tot Ion:240 Resp: 183062

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

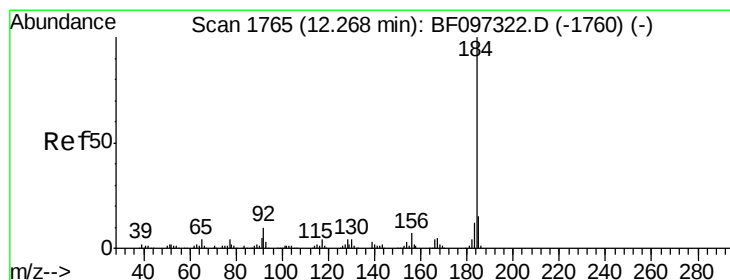
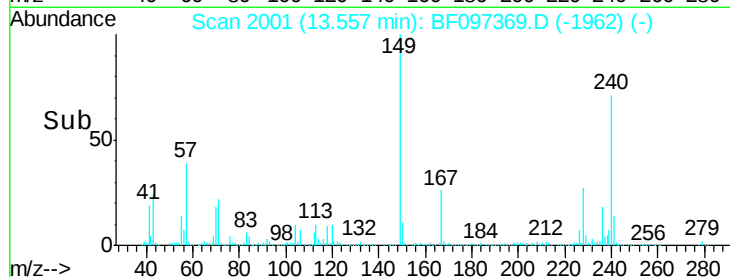
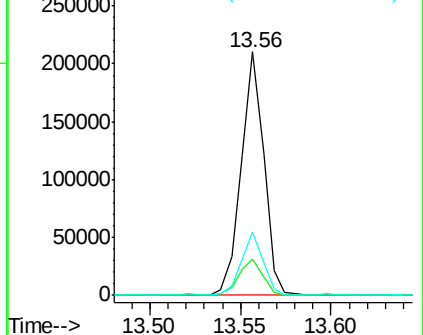
236 25.8 20.5 30.7



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



#76

Benzidine

Concen: 13.88 ng

RT: 12.27 min Scan# 1782

Delta R.T. -0.06 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

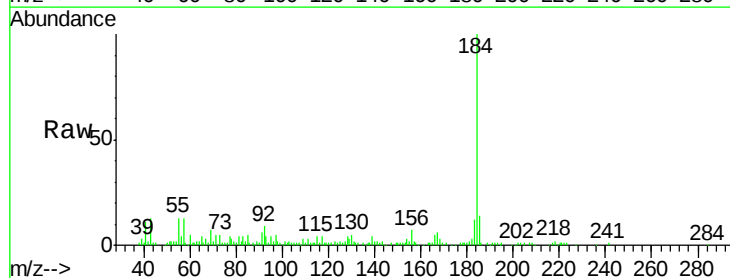
Tgt Ion:184 Resp: 94304

Ion Ratio Lower Upper

184 100

185 14.1 15.5 23.3#

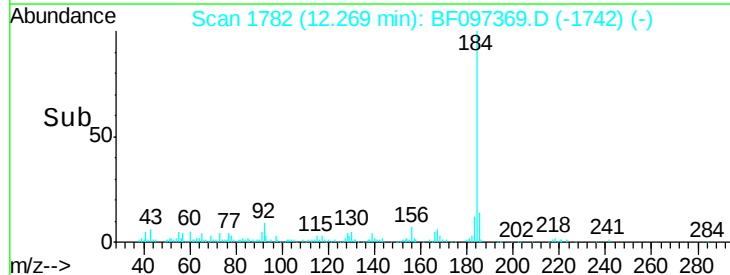
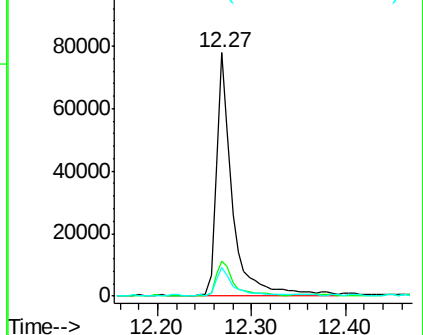
183 12.0 9.8 14.6

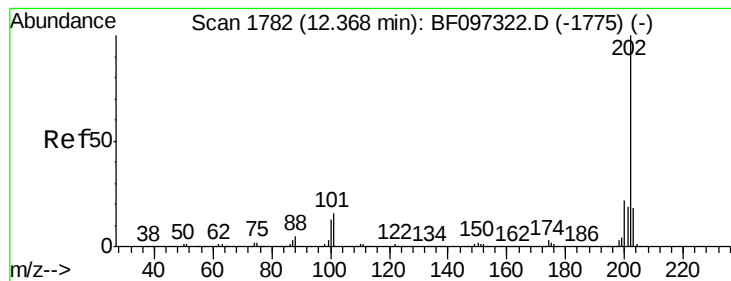


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 34.22 ng

RT: 12.36 min Scan# 1798

Delta R.T. -0.07 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMSD

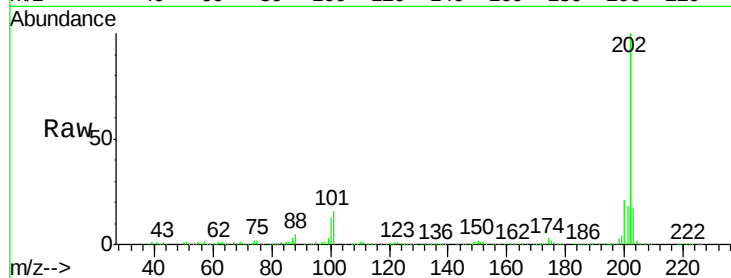
Tot Ion:202 Resp: 512770

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

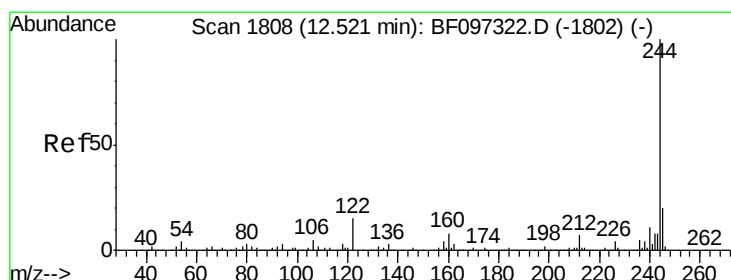
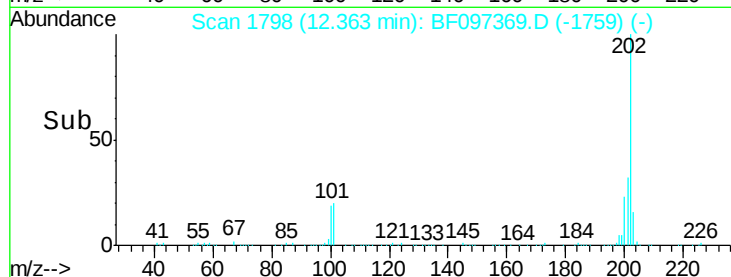
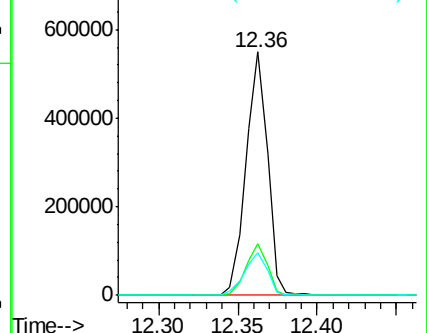
203 17.3 14.4 21.6



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



#78

Terphenyl-d14

Concen: 47.48 ng

RT: 12.51 min Scan# 1823

Delta R.T. -0.08 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

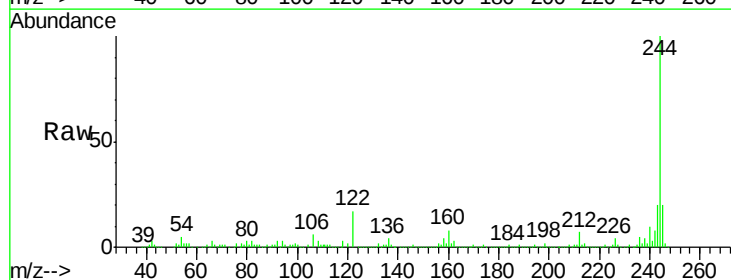
Tgt Ion:244 Resp: 426304

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

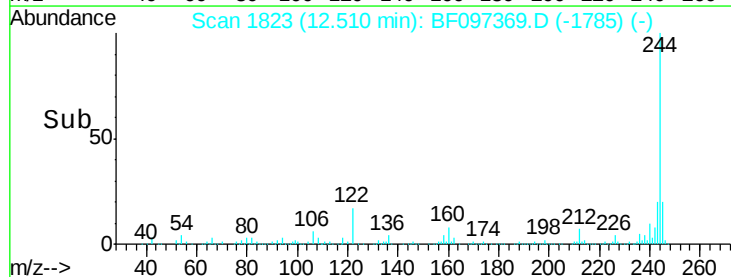
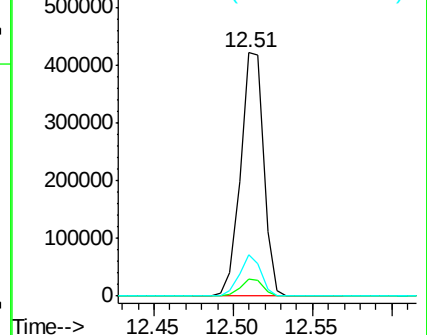
122 17.0 10.3 15.5#

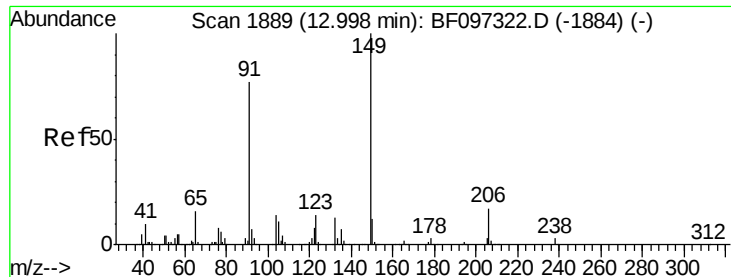


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

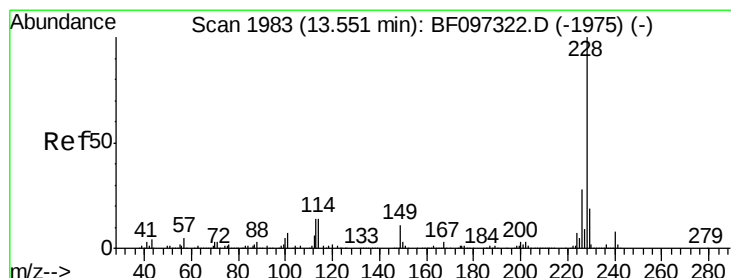
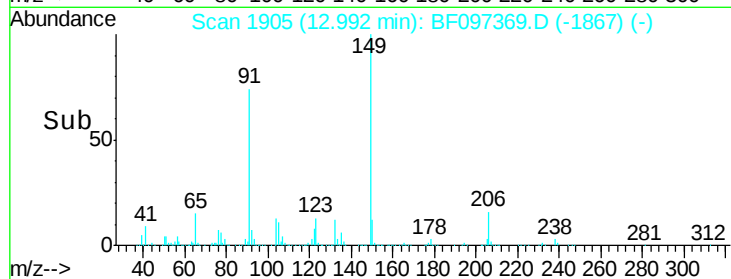
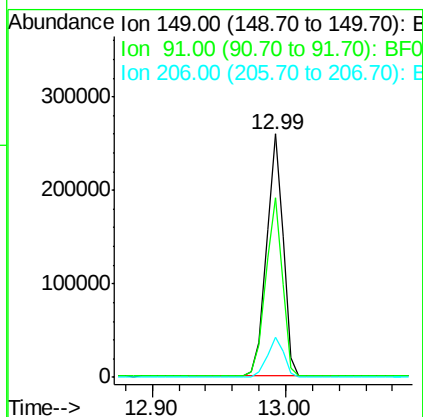
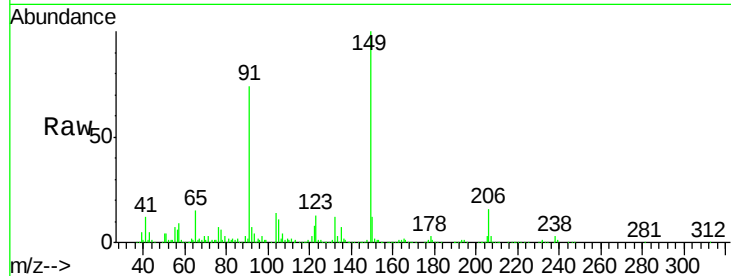




#79
 Butylbenzylphthalate
 Concen: 29.19 ng
 RT: 12.99 min Scan# 1905
 Delta R.T. -0.08 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

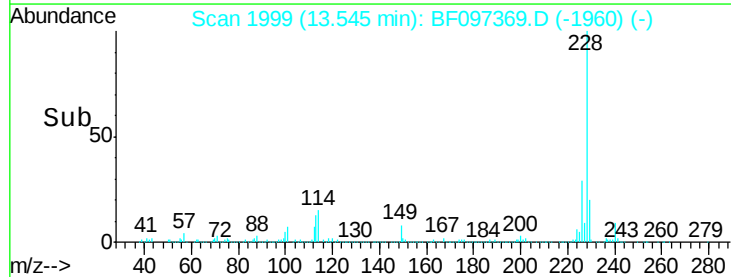
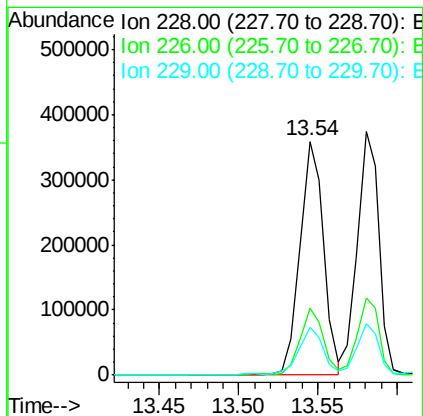
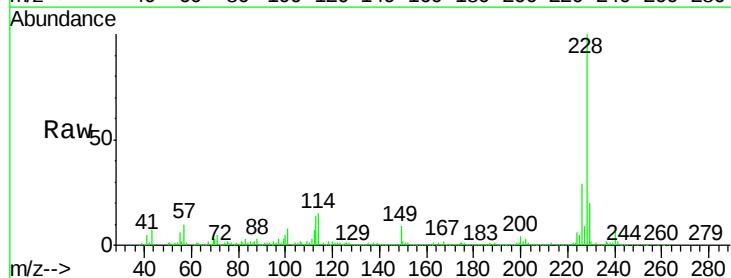
Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

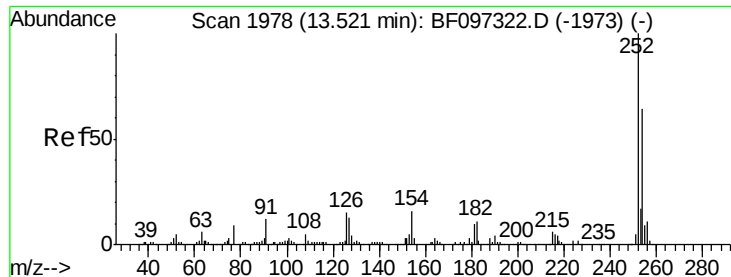
Tot Ion:	149	Resp:	222515
Ion Ratio	Lower	Upper	
149	100		
91	73.8	45.0	67.4#
206	16.4	17.0	25.6#



#80
 Benzo(a)anthracene
 Concen: 31.25 ng
 RT: 13.54 min Scan# 1999
 Delta R.T. -0.07 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

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

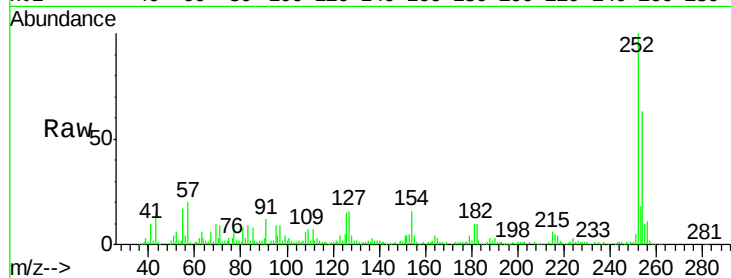




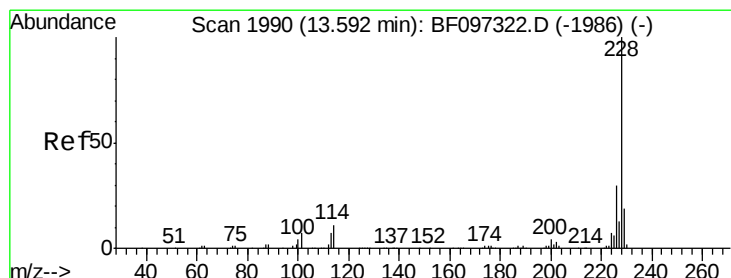
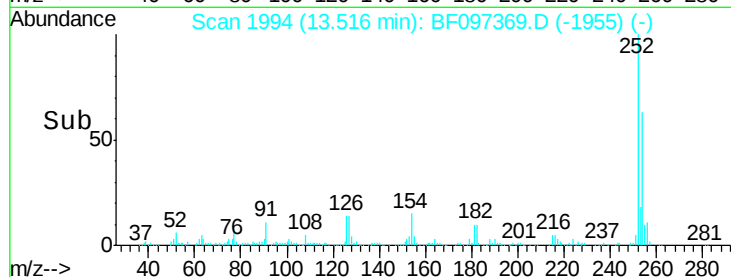
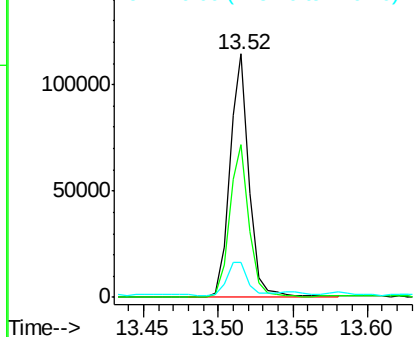
#81
 3,3'-Dichlorobenzidine
 Concen: 23.44 ng
 RT: 13.52 min Scan# 1994
 Delta R.T. -0.07 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

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

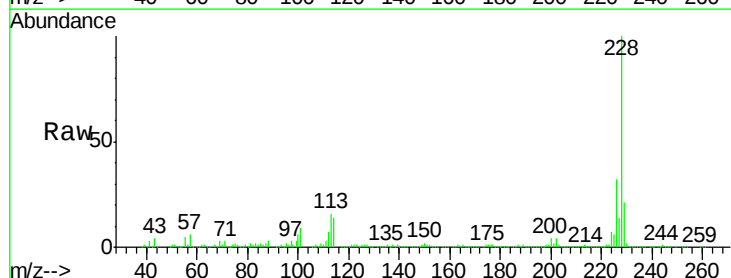


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

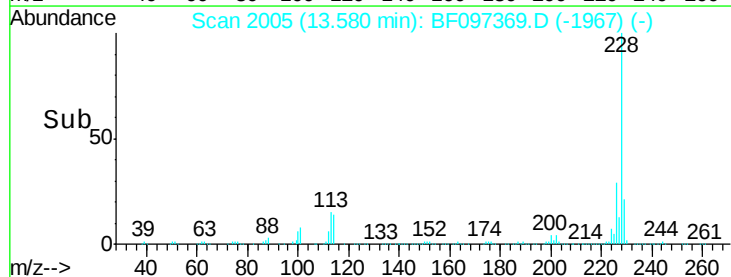
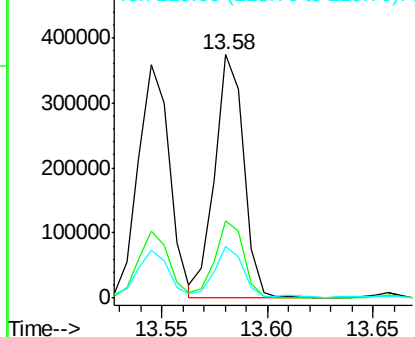


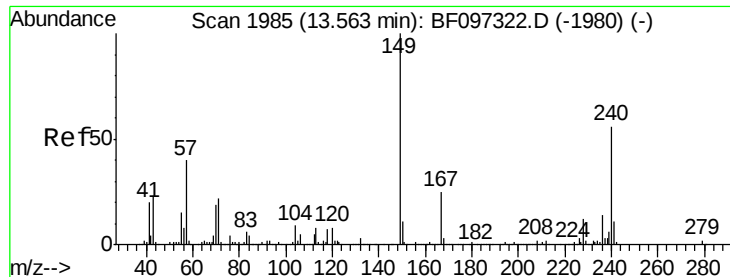
#82
 Chrysene
 Concen: 30.66 ng
 RT: 13.58 min Scan# 2005
 Delta R.T. -0.08 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

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



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

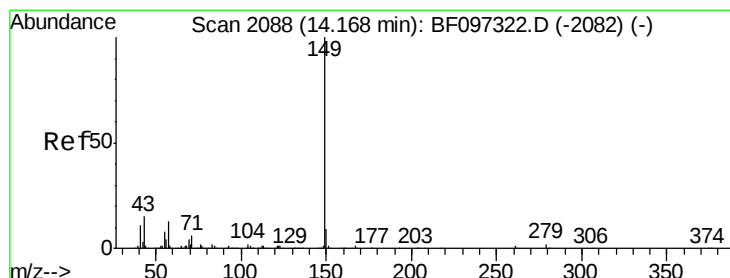
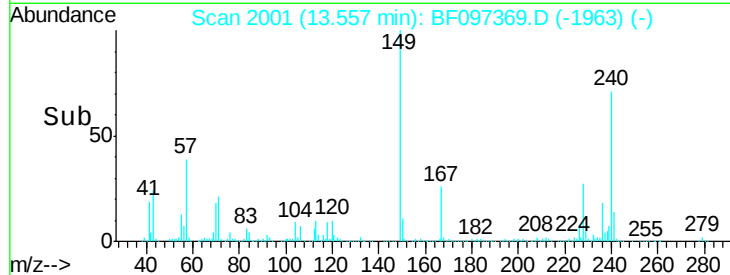
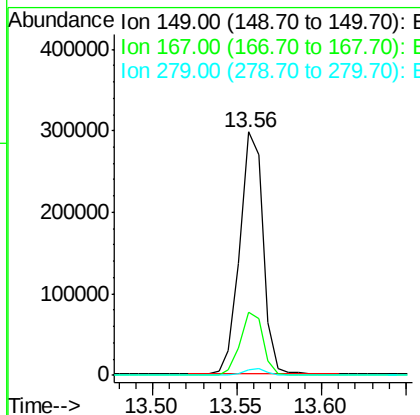
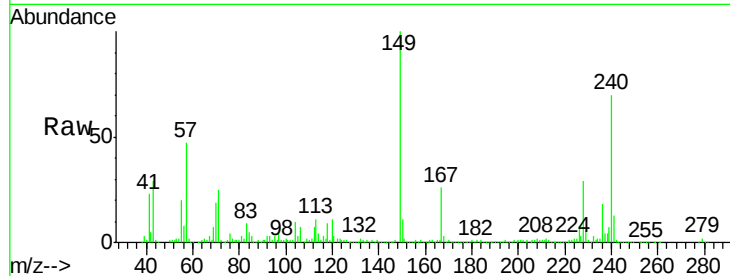




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 28.67 ng
 RT: 13.56 min Scan# 2001
 Delta R.T. -0.08 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

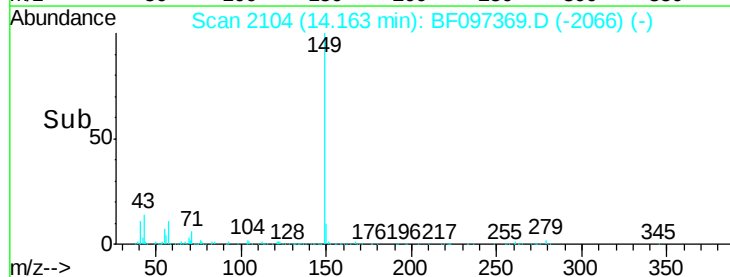
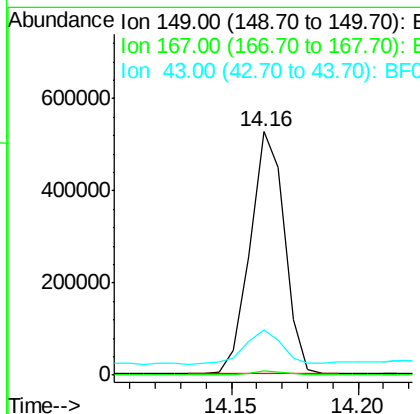
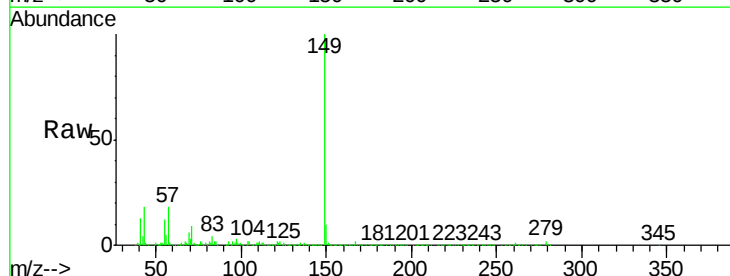
Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

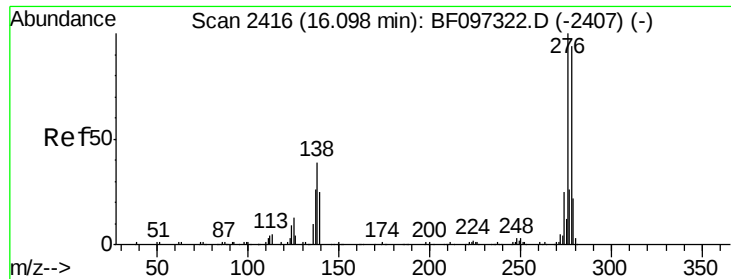
Tot Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.0	31.4
279	2.4	1.9	2.9



#84
 Di-n-octyl phthalate
 Concen: 27.28 ng
 RT: 14.16 min Scan# 2104
 Delta R.T. -0.08 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

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

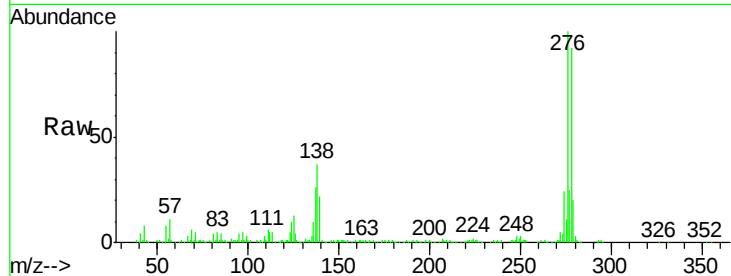




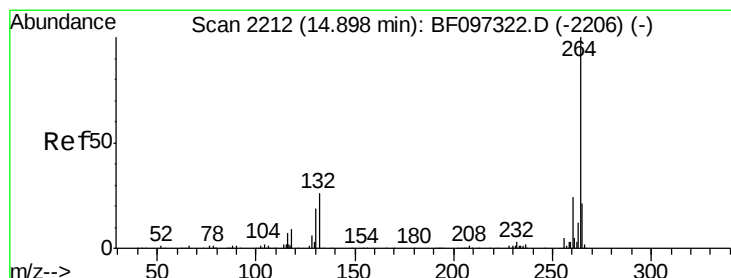
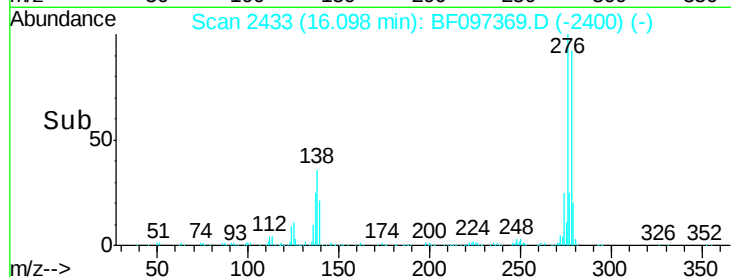
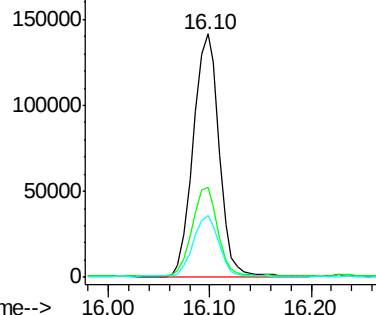
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 25.30 ng
 RT: 16.10 min Scan# 2433
 Delta R.T. -0.11 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMSD

Tot Ion:276 Resp: 250950
 Ion Ratio Lower Upper
 276 100
 138 36.1 27.8 41.6
 277 25.0 20.2 30.4

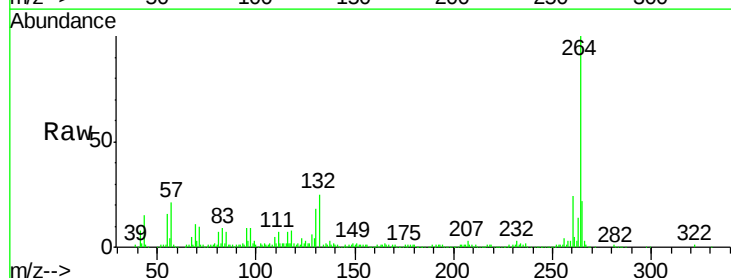


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

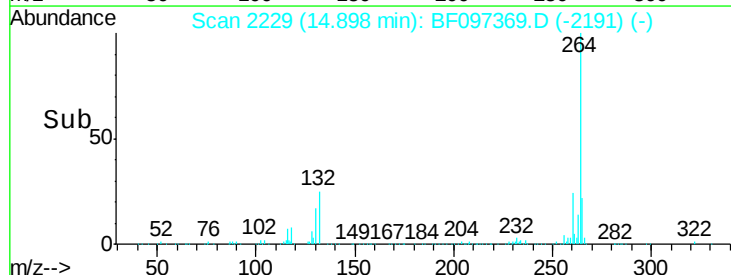
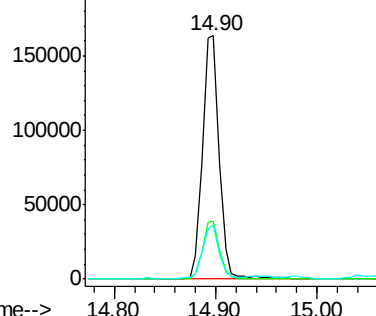


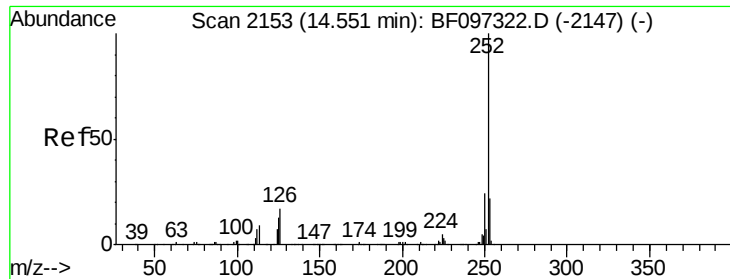
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.90 min Scan# 2229
 Delta R.T. -0.08 min
 Lab File: BF097369.D
 Acq: 4 Aug 2017 21:31

Tgt Ion:264 Resp: 188624
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.5 29.3
 265 22.4 17.2 25.8



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

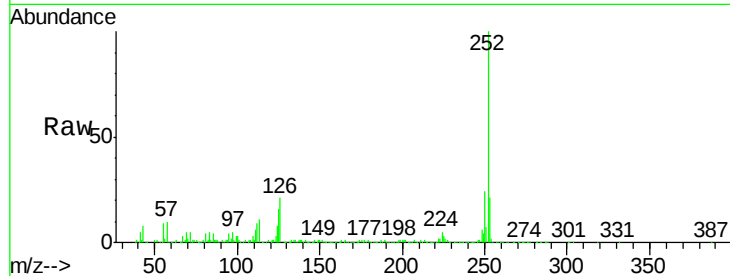




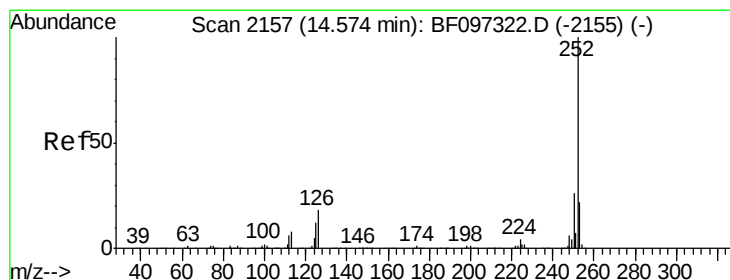
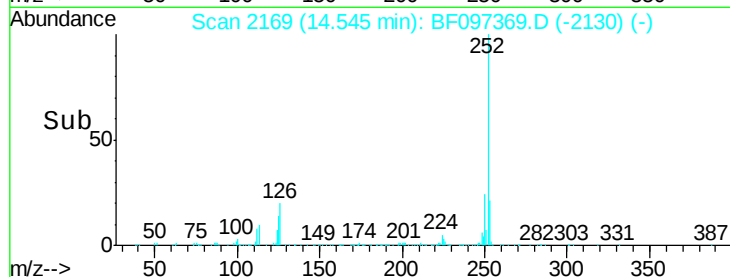
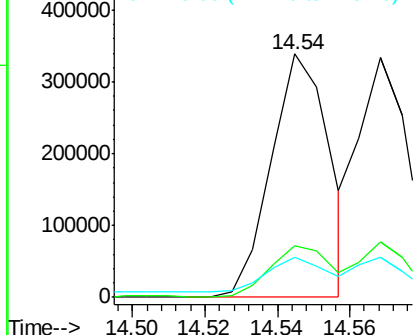
#87
Benzo(b)fluoranthene
Concen: 32.98 ng
RT: 14.54 min Scan# 2169
Delta R.T. -0.07 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMSD

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

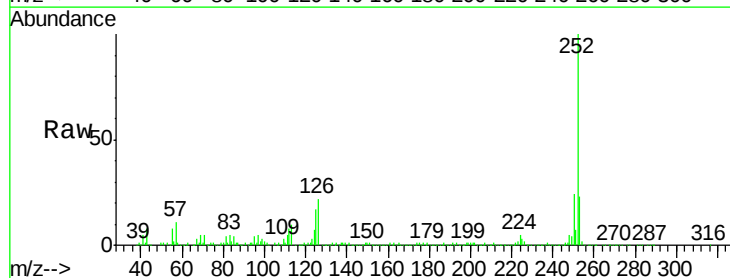


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

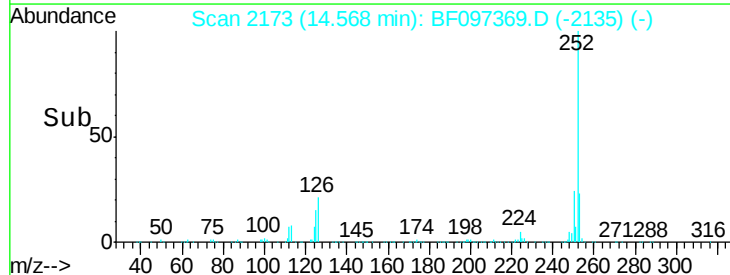
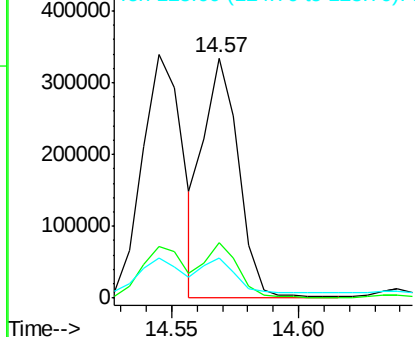


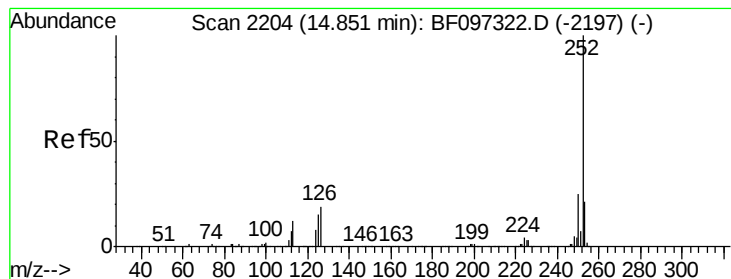
#88
Benzo(k)fluoranthene
Concen: 29.46 ng
RT: 14.57 min Scan# 2173
Delta R.T. -0.08 min
Lab File: BF097369.D
Acq: 4 Aug 2017 21:31

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



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





#89

Benzo(a)pyrene

Concen: 31.22 ng

RT: 14.84 min Scan# 2220

Delta R.T. -0.08 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMSD

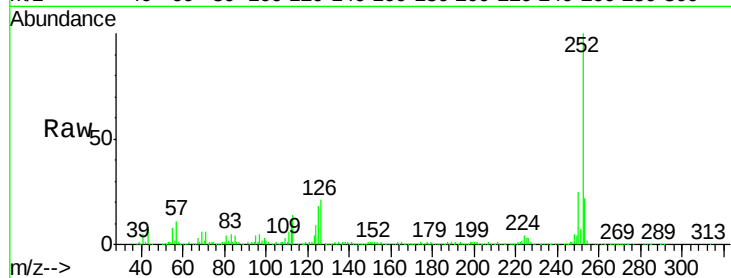
Tot Ion:252 Resp: 323935

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

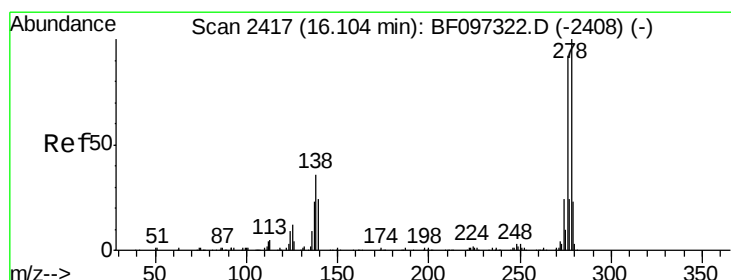
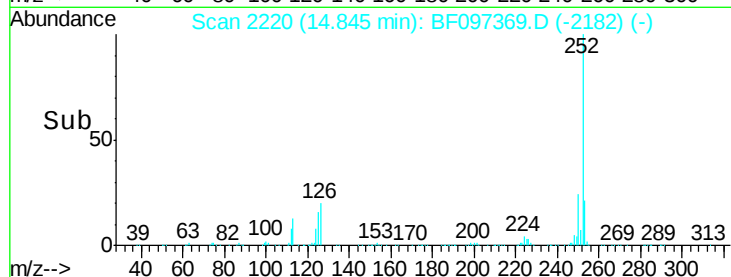
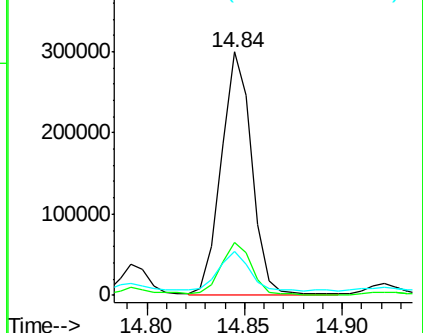
125 18.0 11.0 16.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 23.94 ng

RT: 16.10 min Scan# 2433

Delta R.T. -0.12 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

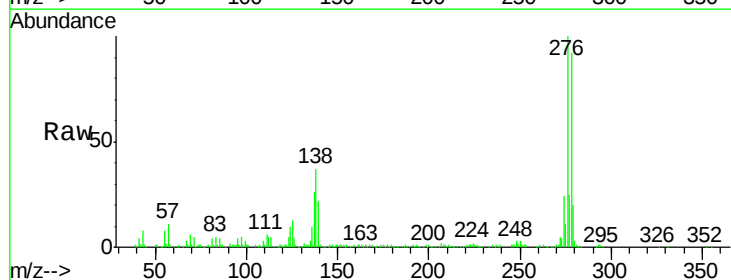
Tgt Ion:278 Resp: 203716

Ion Ratio Lower Upper

278 100

139 23.9 16.6 24.8

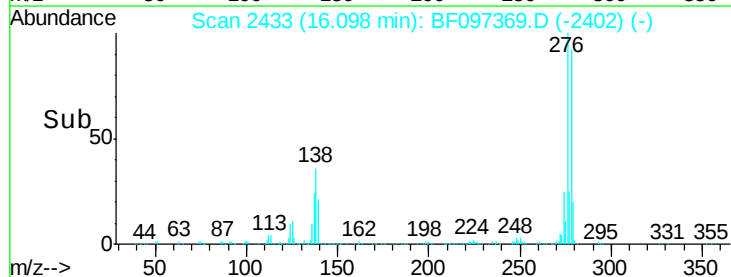
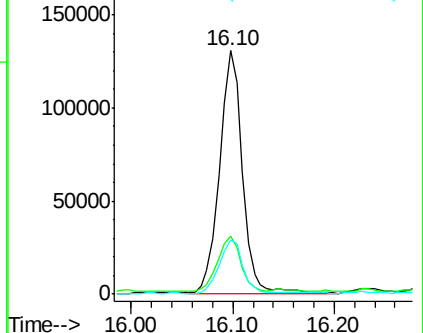
279 22.2 19.3 28.9

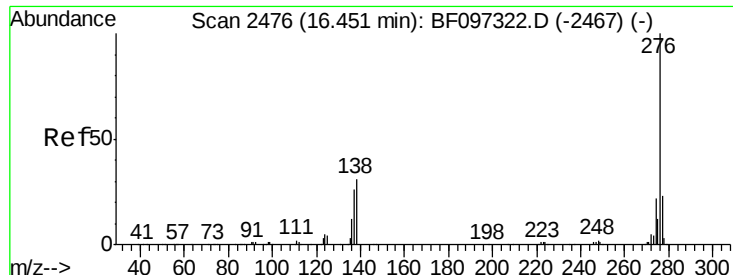


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 23.33 ng

RT: 16.45 min Scan# 2493

Delta R.T. -0.12 min

Lab File: BF097369.D

Acq: 4 Aug 2017 21:31

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMSD

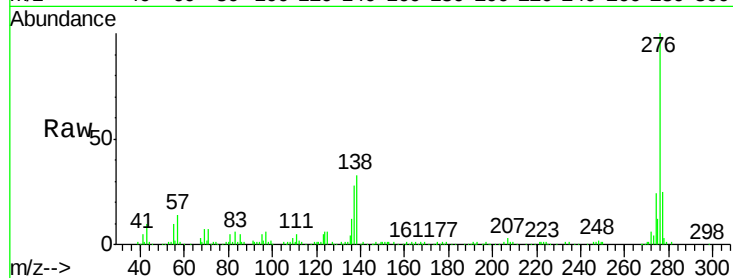
Tot Ion: 276 Resp: 208197

Ion Ratio Lower Upper

276 100

277 25.0 18.6 28.0

138 32.6 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

