

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

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMS

Quant Time: Aug 04 23:01:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	113059	20.00	ng	-0.06
21) Naphthalene-d8	7.72	136	468365	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	189297	20.00	ng	-0.07
63) Phenanthrene-d10	10.93	188	297401	20.00	ng	-0.07
75) Chrysene-d12	13.56	240	171192	20.00	ng	-0.07
86) Perylene-d12	14.89	264	167914	20.00	ng	-0.08

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

Target Compounds						Qvalue
2) 1,4-Dioxane	1.99	88	95663	30.57	ng	# 76
3) Pyridine	2.60	79	312723	32.63	ng	# 63
4) n-Nitrosodimethylamine	2.55	42	191965	36.16	ng	80
6) Aniline	6.10	93	201978	18.75	ng	98
8) 2-Chlorophenol	6.23	128	275098	34.30	ng	93
9) Benzaldehyde	5.98	77	135142	26.67	ng	95
10) Phenol	6.13	94	339923	33.47	ng	96
11) bis(2-Chloroethyl)ether	6.19	93	239879	29.86	ng	90
12) 1,3-Dichlorobenzene	6.38	146	274931	31.81	ng	99
13) 1,4-Dichlorobenzene	6.46	146	270909	31.63	ng	95
14) 1,2-Dichlorobenzene	6.61	146	239463	32.02	ng	98
15) Benzyl Alcohol	6.60	79	223085	41.15	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.73	45	622704	38.65	ng	93
17) 2-Methylphenol	6.75	107	237349	38.35	ng	98
18) Hexachloroethane	6.95	117	92609	29.56	ng	# 78
19) n-Nitroso-di-n-propylamine	6.87	70	217252	38.55	ng	# 80
20) 3+4-Methylphenols	6.90	107	309524	38.29	ng	# 61
22) Acetophenone	6.86	105	409100	36.37	ng	# 97
24) Nitrobenzene	7.03	77	277770	33.41	ng	92
25) Isophorone	7.27	82	499792	31.97	ng	98
26) 2-Nitrophenol	7.35	139	134554	29.91	ng	# 86
27) 2,4-Dimethylphenol	7.42	122	259076	34.91	ng	96
28) bis(2-Chloroethoxy)methane	7.49	93	382911	37.53	ng	98
29) 2,4-Dichlorophenol	7.61	162	238739	37.34	ng	95
30) 1,2,4-Trichlorobenzene	7.67	180	197791	32.46	ng	98
31) Naphthalene	7.75	128	766281	34.71	ng	99
32) Benzoic acid	7.42	122	259076	46.75	ng	# 11
33) 4-Chloroaniline	7.81	127	122654	13.65	ng	98
34) Hexachlorobutadiene	7.87	225	98079	30.36	ng	98
35) Caprolactam	8.18	113	74167	36.18	ng	# 52
36) 4-Chloro-3-methylphenol	8.32	107	237183	34.01	ng	90
37) 2-Methylnaphthalene	8.43	142	491624	35.17	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.60	216	176350	34.91	ng	99
40) Hexachlorocyclopentadiene	8.59	237	19941	16.95	ng	99

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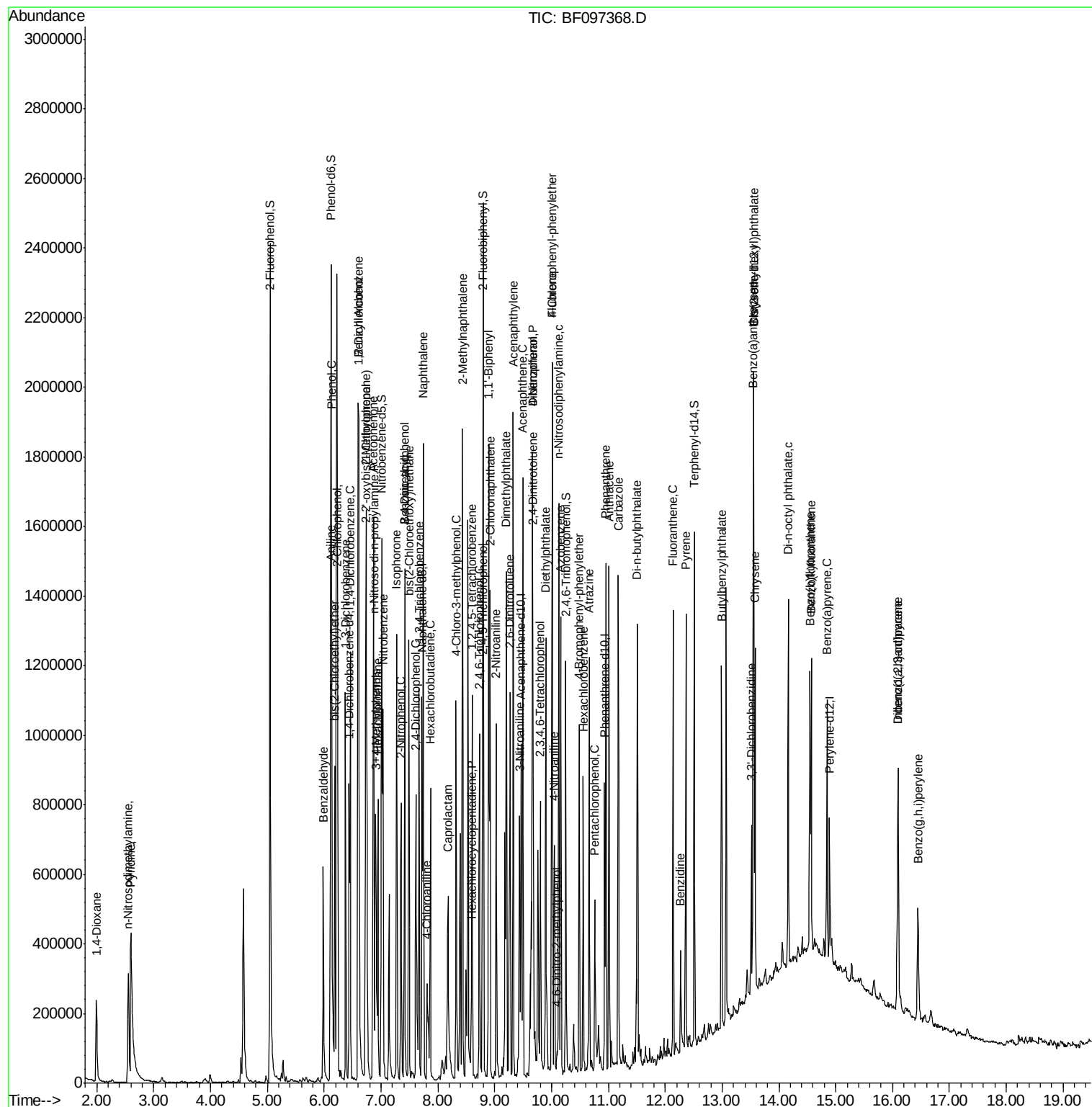
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.73	196	119923	32.76	nq	99
43) 2,4,5-Trichlorophenol	8.78	196	114910	31.37	nq	98
45) 1,1'-Biphenyl	8.90	154	539421	33.36	nq	98
46) 2-Chloronaphthalene	8.92	162	414293	34.82	nq	94
47) 2-Nitroaniline	9.03	65	163990	37.98	nq	97
48) Acenaphthylene	9.33	152	615919	33.73	nq	98
49) Dimethylphthalate	9.20	163	691696	48.12	nq	100
50) 2,6-Dinitrotoluene	9.27	165	111219	36.48	nq	# 66
51) Acenaphthene	9.50	154	365123	33.94	nq	99
52) 3-Nitroaniline	9.44	138	111186	29.38	nq	91
54) Dibenzofuran	9.67	168	531411	37.09	nq	96
55) 4-Nitrophenol	9.67	139	344098	152.90	nq	# 35
56) 2,4-Dinitrotoluene	9.68	165	126676	36.14	nq	# 84
57) Fluorene	10.01	166	389970	36.21	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.80	232	89902	35.54	nq	98
59) Diethylphthalate	9.90	149	488459	37.04	nq	98
60) 4-Chlorophenyl-phenylether	10.00	204	158616	35.67	nq	100
61) 4-Nitroaniline	10.05	138	114399	31.81	nq	91
62) Azobenzene	10.16	77	458183	37.45	nq	92
64) 4,6-Dinitro-2-methylphenol	10.10	198	6944	3.76	nq	85
65) n-Nitrosodiphenylamine	10.13	169	382850	37.00	nq	98
66) 4-Bromophenyl-phenylether	10.49	248	103189	34.77	nq	93
67) Hexachlorobenzene	10.56	284	100610	30.23	nq	# 84
68) Atrazine	10.66	200	109426	36.88	nq	95
69) Pentachlorophenol	10.76	266	59664	43.33	nq	97
70) Phenanthrene	10.96	178	558321	35.04	nq	99
71) Anthracene	11.01	178	551750	33.81	nq	99
72) Carbazole	11.17	167	540333	33.66	nq	98
73) Di-n-butylphthalate	11.52	149	680573	34.30	nq	98
74) Fluoranthene	12.14	202	501898	32.15	nq	99
76) Benzidine	12.27	184	90381	14.23	nq	97
77) Pyrene	12.36	202	492794	35.16	nq	99
79) Butylbenzylphthalate	12.99	149	228317	32.03	nq	# 81
80) Benzo(a)anthracene	13.54	228	369658	33.37	nq	100
81) 3,3'-Dichlorobenzidine	13.52	252	106492	25.49	nq	# 97
82) Chrysene	13.58	228	362047	33.47	nq	99
83) Bis(2-ethylhexyl)phthalate	13.56	149	295769	31.78	nq	100
84) Di-n-octyl phthalate	14.16	149	516874	30.26	nq	# 91
85) Indeno(1,2,3-cd)pyrene	16.10	276	267857	28.88	nq	98
87) Benzo(b)fluoranthene	14.54	252	349776	34.65	nq	97
88) Benzo(k)fluoranthene	14.57	252	295917	30.77	nq	97
89) Benzo(a)pyrene	14.84	252	308668	33.41	nq	98
90) Dibenzo(a,h)anthracene	16.10	278	219746	29.01	nq	95
91) Benzo(g,h,i)perylene	16.44	276	220698	27.78	nq	99

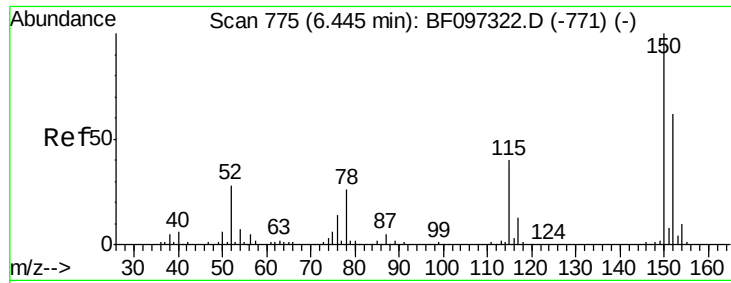
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

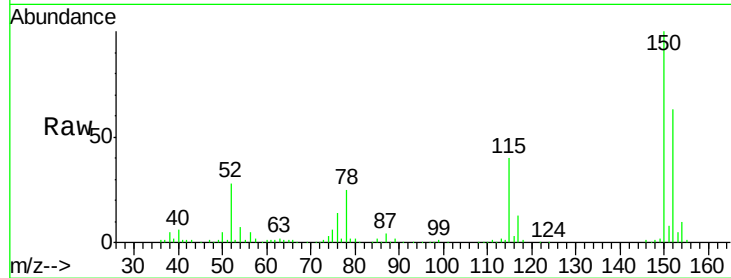
Tot Ion:152 Resp: 113059

Ion Ratio Lower Upper

152 100

150 158.1 126.2 189.2

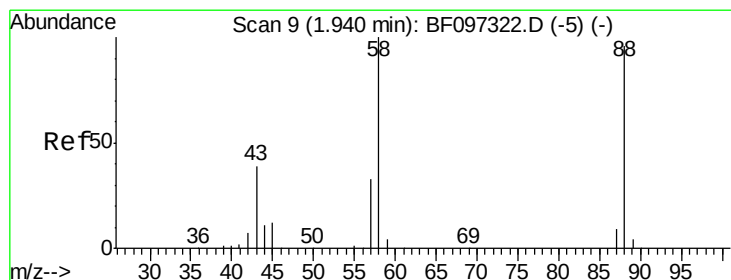
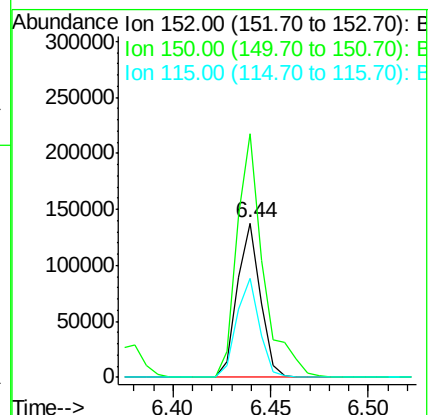
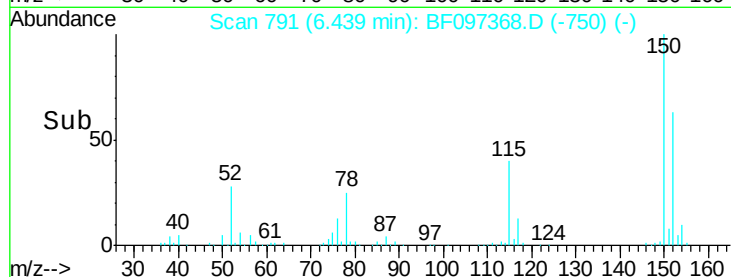
115 63.9 52.2 78.2



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: 30.57 ng

RT: 1.99 min Scan# 35

Delta R.T. -0.05 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

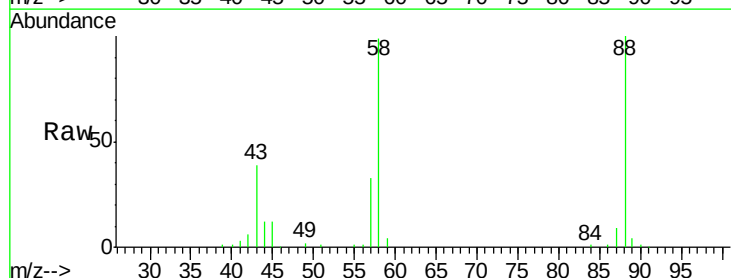
Tgt Ion: 88 Resp: 95663

Ion Ratio Lower Upper

88 100

58 99.9 61.4 92.0#

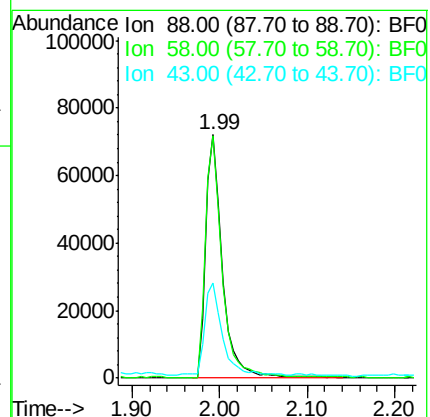
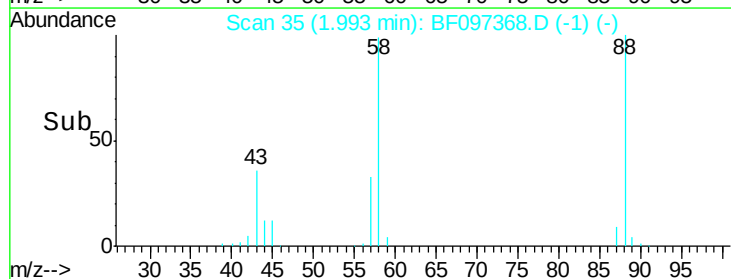
43 38.9 23.4 35.0#

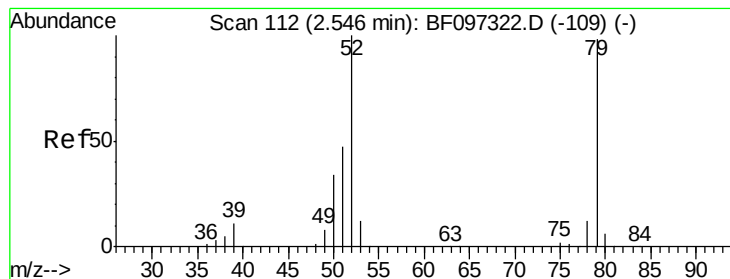


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 32.63 ng

RT: 2.60 min Scan# 138

Delta R.T. -0.06 min

Lab File: BF097368.D

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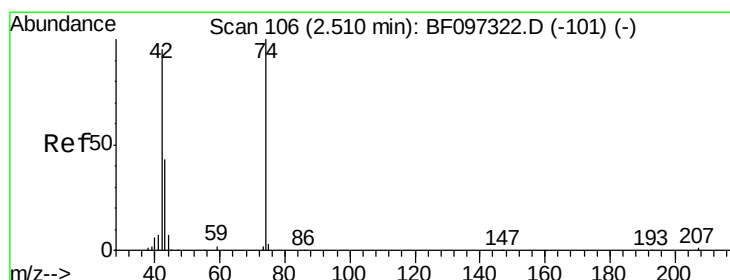
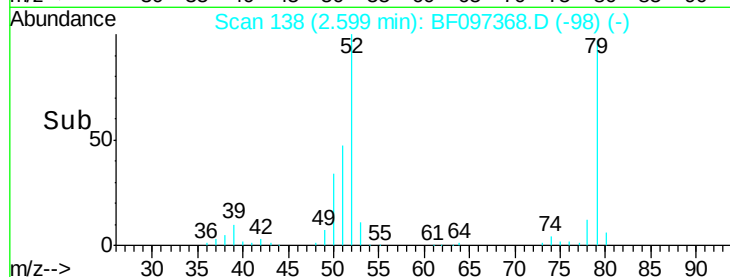
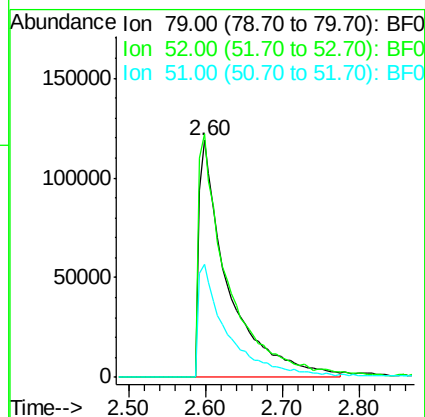
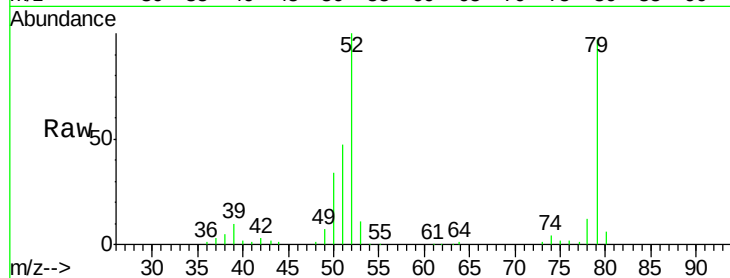
Tot Ion: 79 Resp: 312723

Ion Ratio Lower Upper

79 100

52 102.9 54.8 82.2#

51 47.9 27.0 40.4#



#4

n-Nitrosodimethylamine

Concen: 36.16 ng

RT: 2.55 min Scan# 130

Delta R.T. -0.07 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

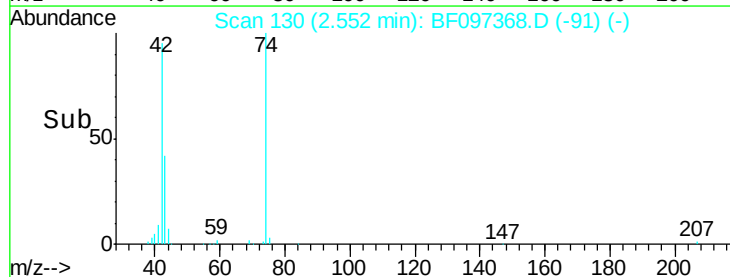
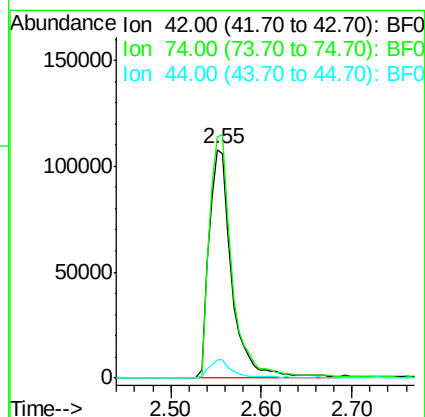
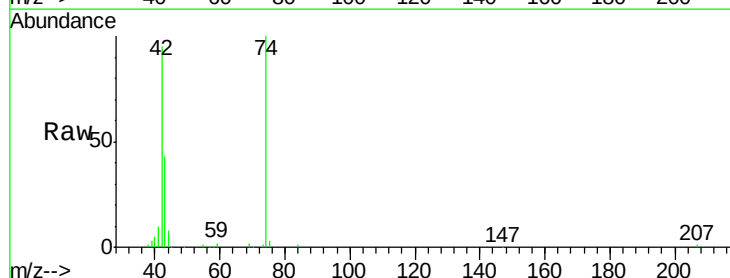
Tgt Ion: 42 Resp: 191965

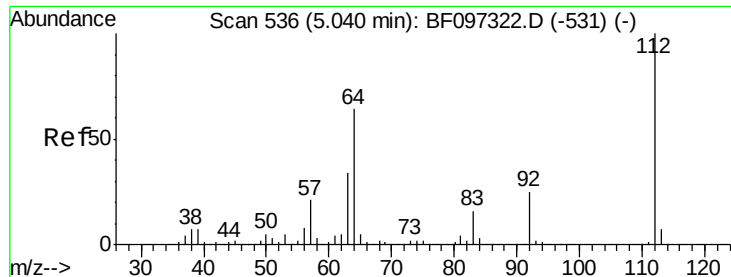
Ion Ratio Lower Upper

42 100

74 105.2 103.9 155.9

44 8.0 5.7 8.5





#5

2-Fluorophenol

Concen: 105.69 ng

RT: 5.05 min Scan# 554

Delta R.T. -0.05 min

Lab File: BF097368.D

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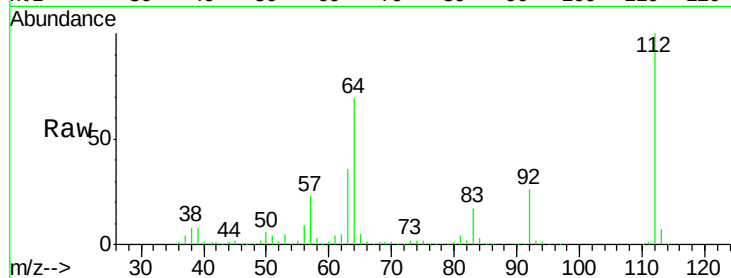
Tot Ion: 112 Resp: 792659

Ion Ratio Lower Upper

112 100

64 69.4 46.0 69.0#

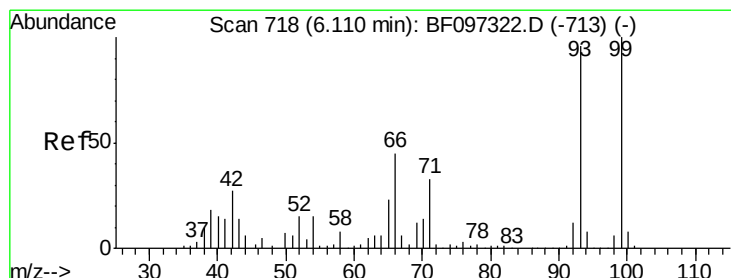
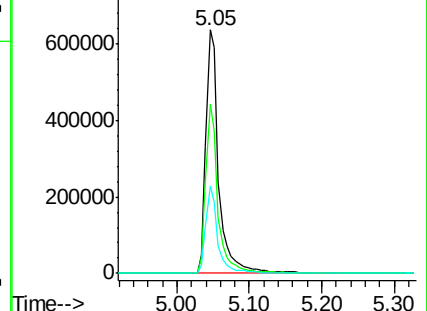
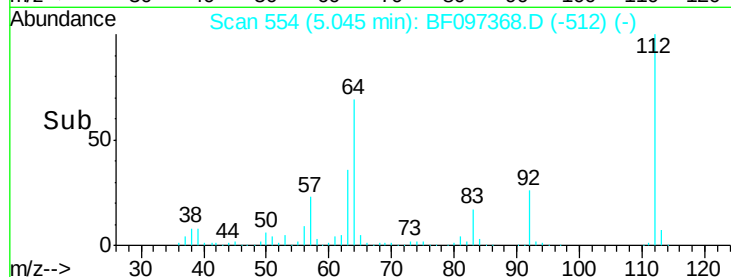
63 35.9 23.4 35.0#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 18.75 ng

RT: 6.10 min Scan# 734

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

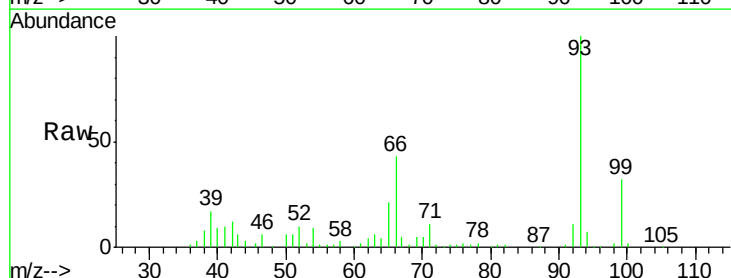
Tgt Ion: 93 Resp: 201978

Ion Ratio Lower Upper

93 100

66 42.8 32.9 49.3

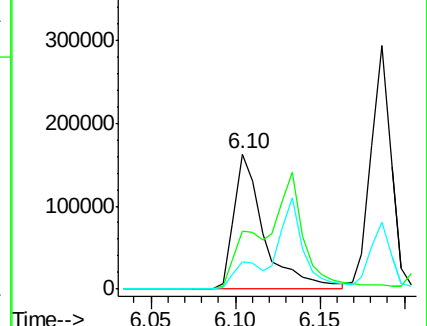
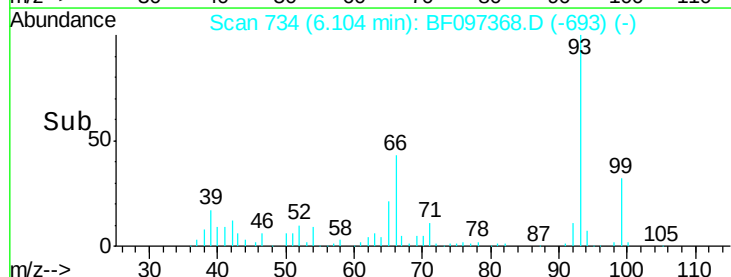
65 20.6 16.0 24.0

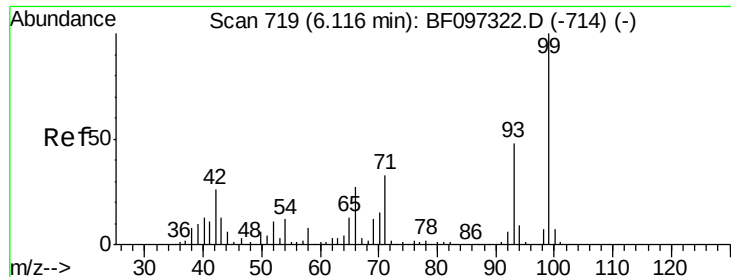


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 94.23 ng

RT: 6.12 min Scan# 737

Delta R.T. -0.05 min

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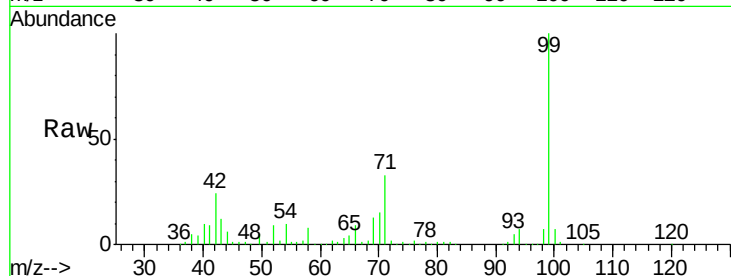
Tot Ion: 99 Resp: 806757

Ion Ratio Lower Upper

99 100

42 23.8 13.5 20.3#

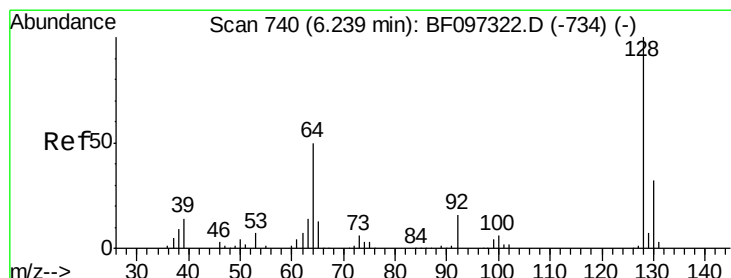
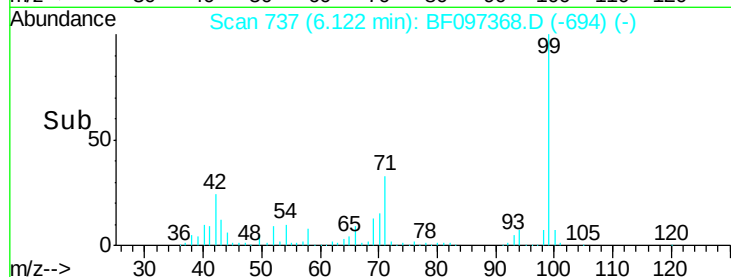
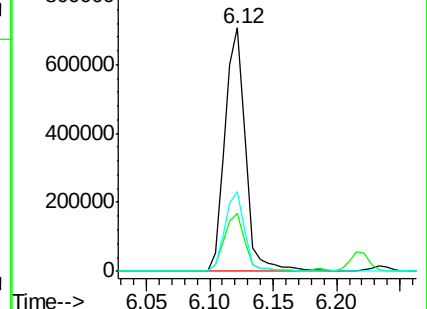
71 32.9 24.5 36.7



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: 34.30 ng

RT: 6.23 min Scan# 756

Delta R.T. -0.06 min

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Acq: 4 Aug 2017 21:03

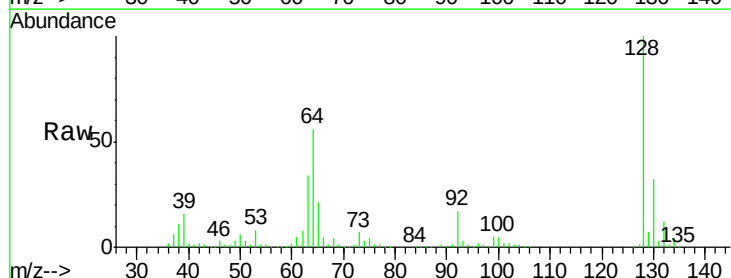
Tgt Ion: 128 Resp: 275098

Ion Ratio Lower Upper

128 100

130 32.1 12.9 52.9

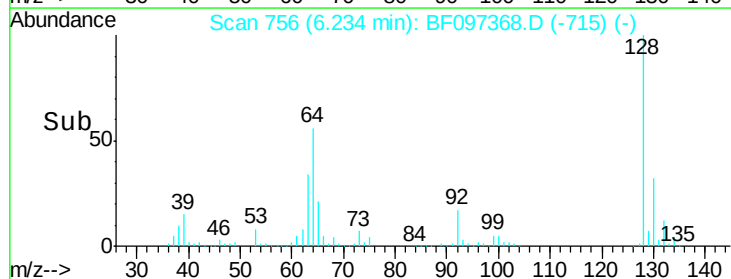
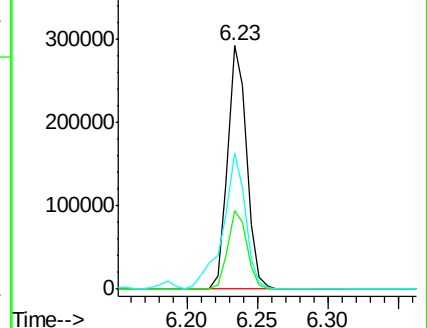
64 56.1 28.4 68.4

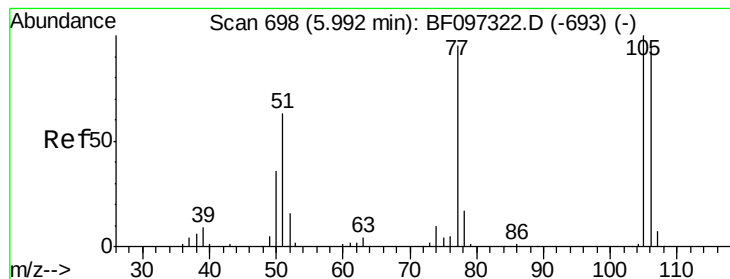


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 26.67 ng

RT: 5.98 min Scan# 713

Delta R.T. -0.06 min

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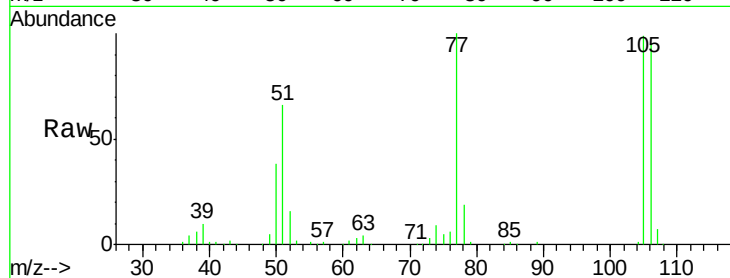
Tot Ion: 77 Resp: 135142

Ion Ratio Lower Upper

77 100

105 98.9 83.8 123.8

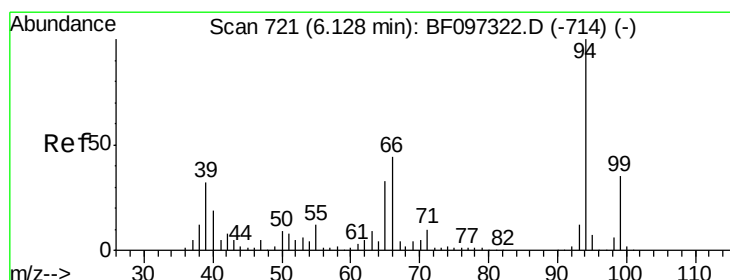
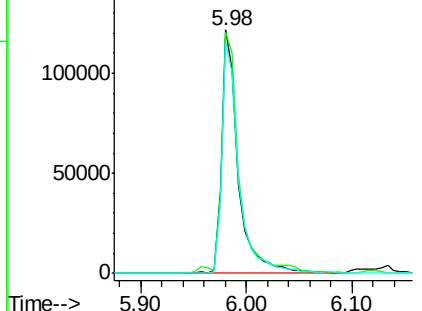
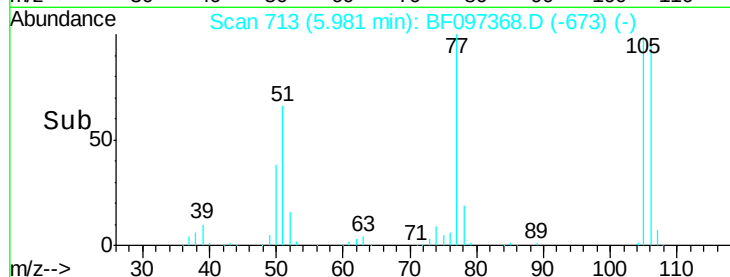
106 94.7 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 33.47 ng

RT: 6.13 min Scan# 739

Delta R.T. -0.05 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

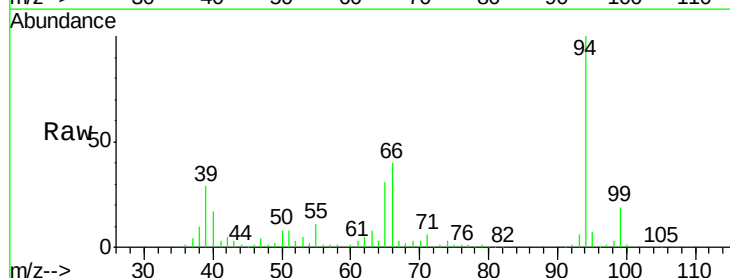
Tgt Ion: 94 Resp: 339923

Ion Ratio Lower Upper

94 100

65 30.9 9.9 49.9

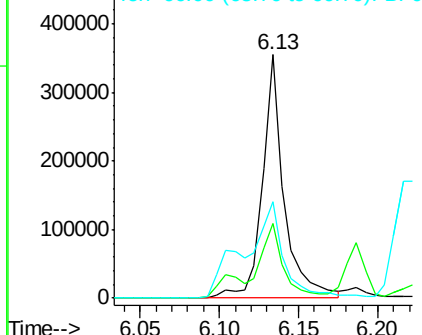
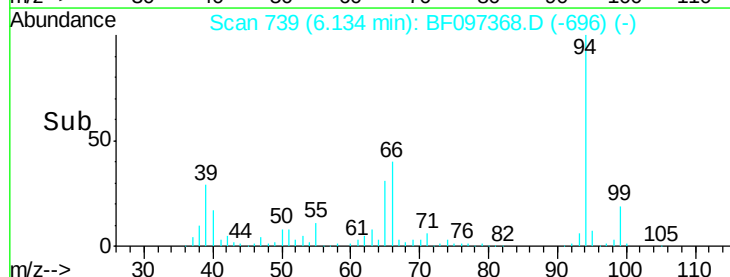
66 39.6 23.1 63.1

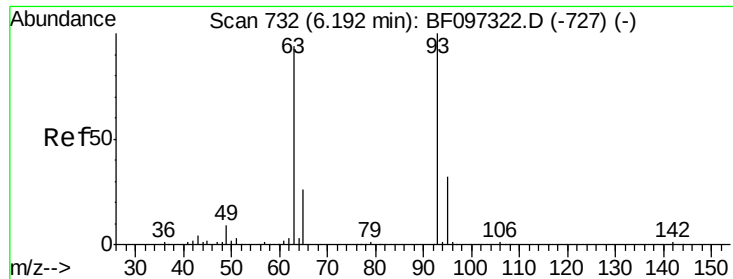


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 29.86 ng

RT: 6.19 min Scan# 748

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

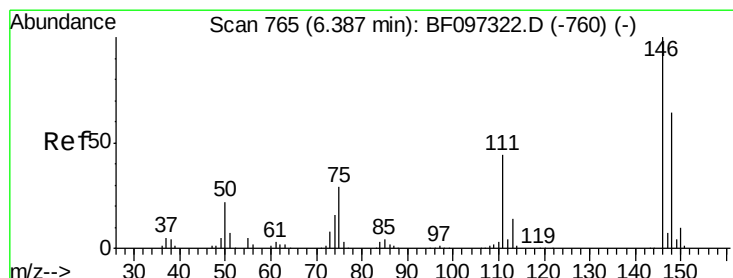
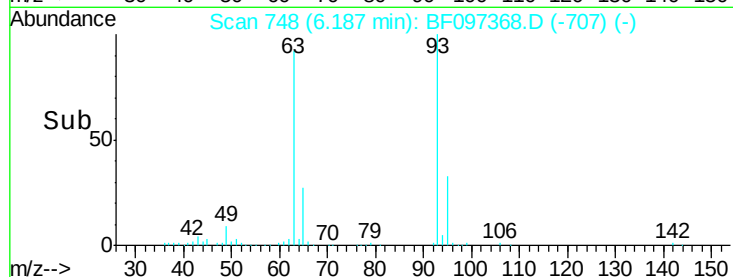
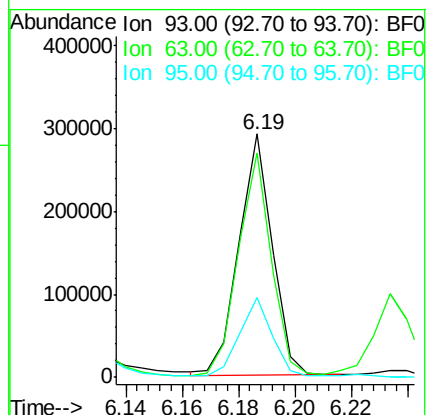
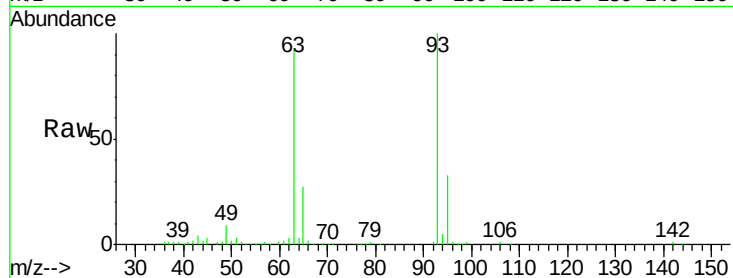
Tot Ion: 93 Resp: 239879

Ion Ratio Lower Upper

93 100

63 91.9 59.2 99.2

95 32.6 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 31.81 ng

RT: 6.38 min Scan# 781

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

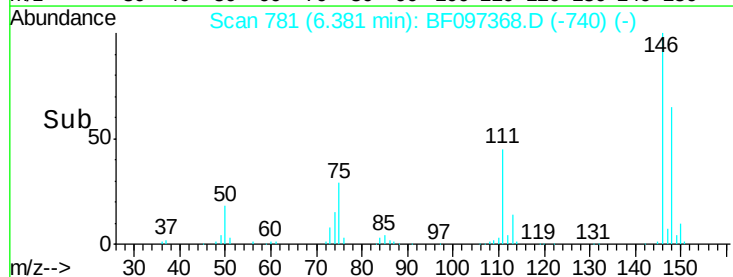
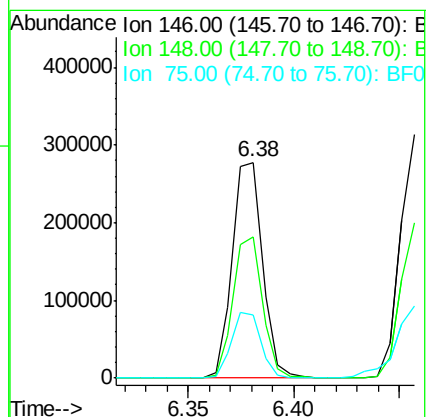
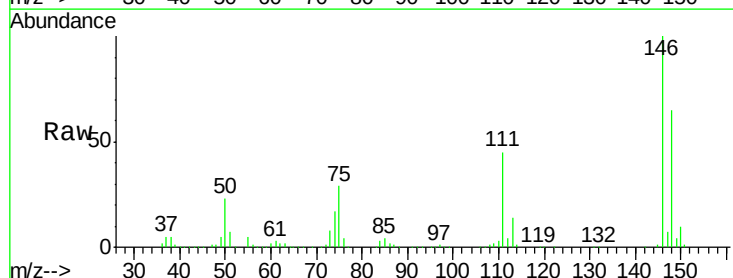
Tgt Ion: 146 Resp: 274931

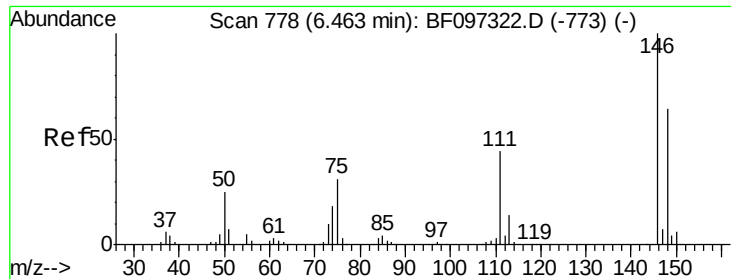
Ion Ratio Lower Upper

146 100

148 65.5 51.8 77.6

75 29.2 23.1 34.7

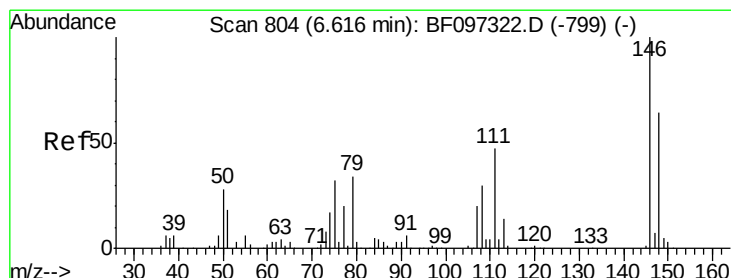
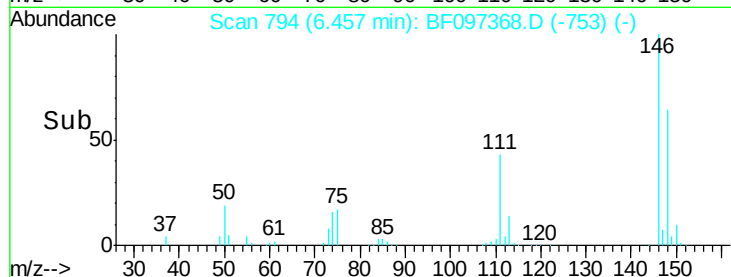
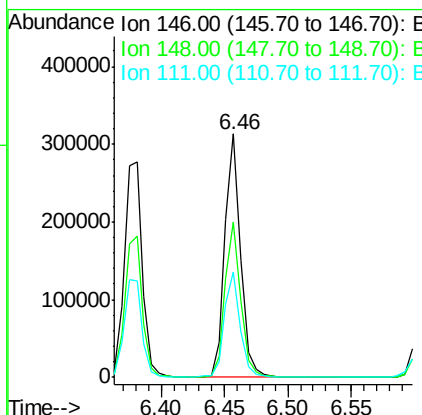
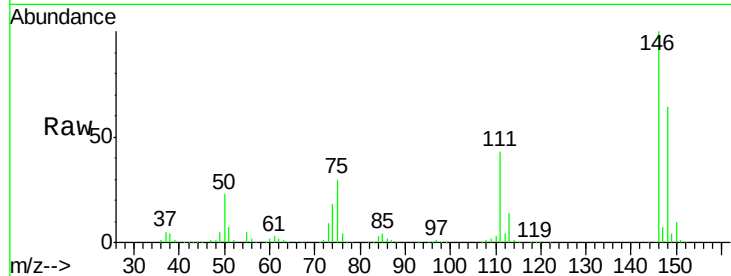




#13
 1,4-Dichlorobenzene
 Concen: 31.63 ng
 RT: 6.46 min Scan# 794
 Delta R.T. -0.06 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

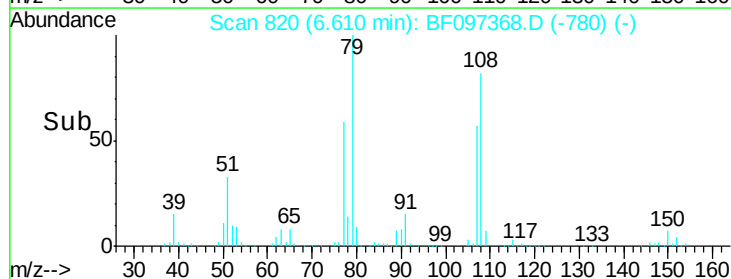
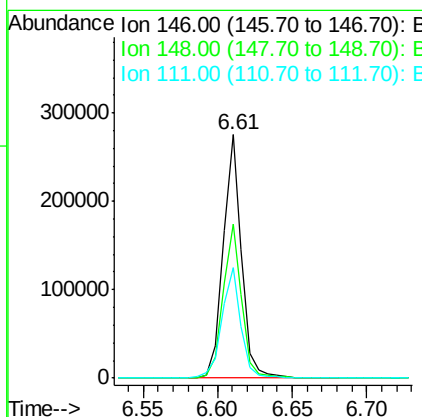
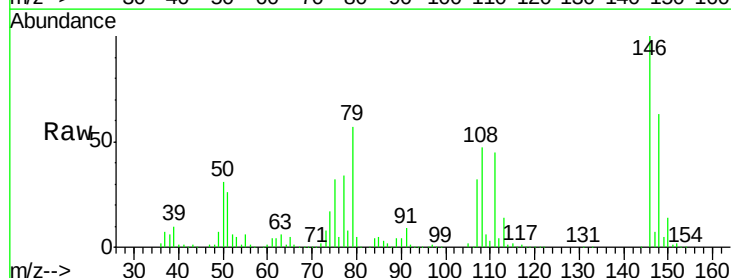
Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMS

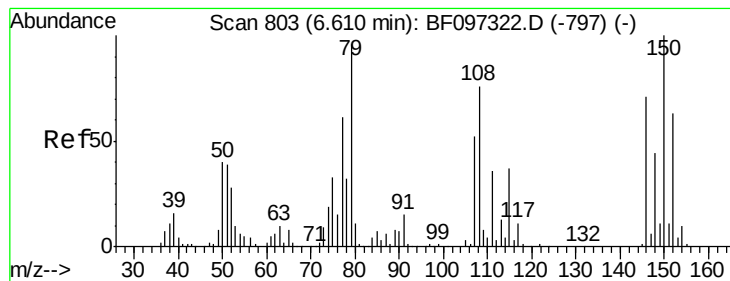
Tot Ion:146 Resp: 270909
 Ion Ratio Lower Upper
 146 100
 148 63.5 52.2 78.2
 111 43.3 30.3 45.5



#14
 1,2-Dichlorobenzene
 Concen: 32.02 ng
 RT: 6.61 min Scan# 820
 Delta R.T. -0.06 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

Tgt Ion:146 Resp: 239463
 Ion Ratio Lower Upper
 146 100
 148 63.2 50.4 75.6
 111 45.1 38.2 57.4





#15

Benzyl Alcohol

Concen: 41.15 ng

RT: 6.60 min Scan# 819

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

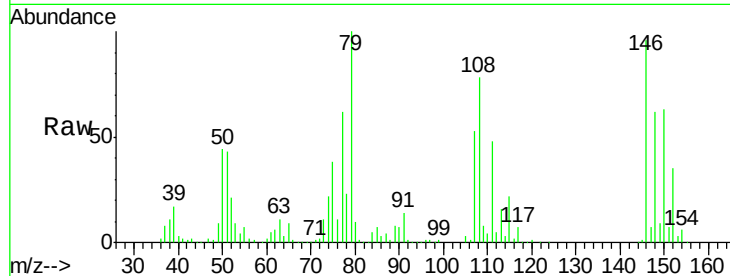
Tot Ion: 79 Resp: 223085

Ion Ratio Lower Upper

79 100

108 77.7 63.4 95.0

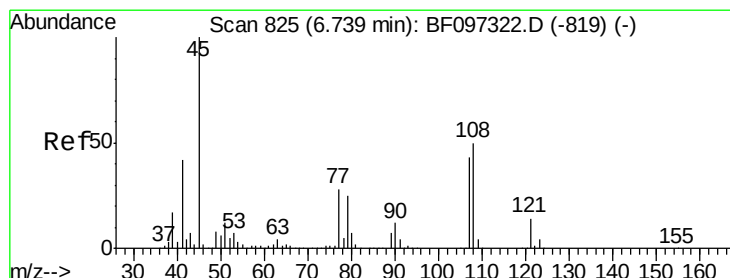
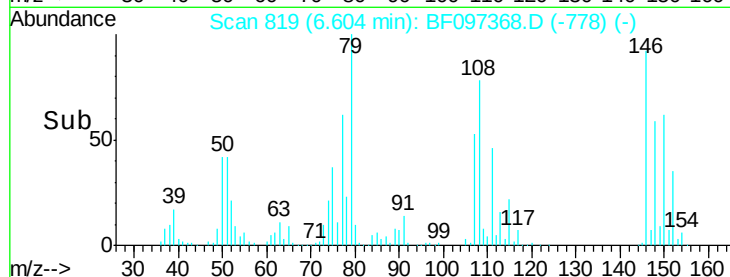
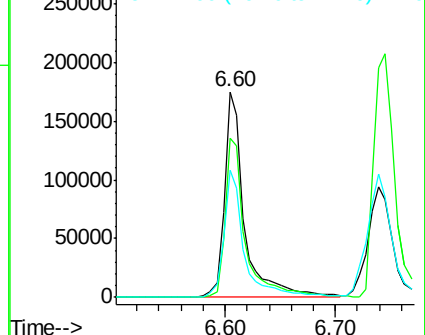
77 62.1 49.2 73.8



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-chloropropane)

Concen: 38.65 ng

RT: 6.73 min Scan# 840

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

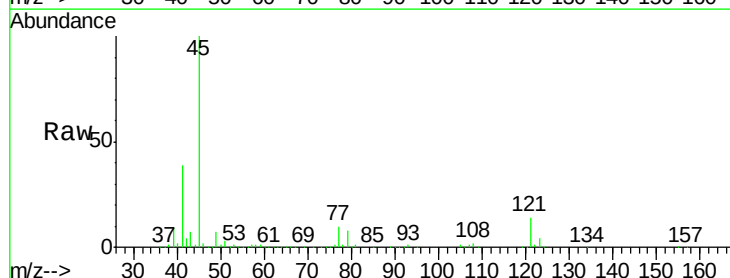
Tgt Ion: 45 Resp: 622704

Ion Ratio Lower Upper

45 100

77 9.8 0.0 33.2

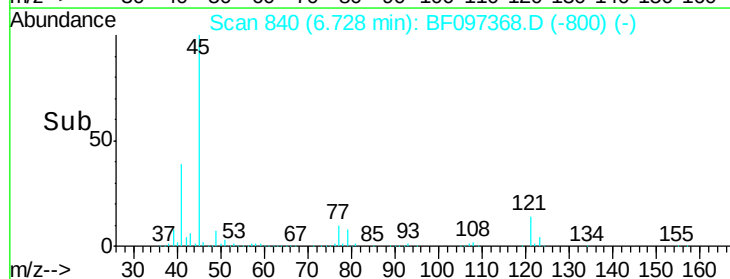
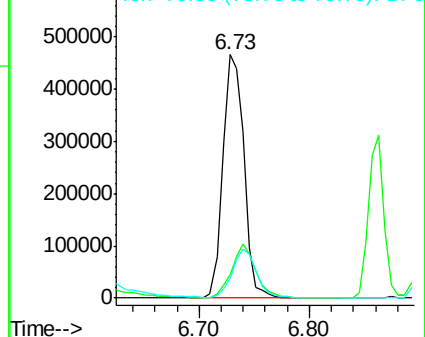
79 7.8 0.0 30.0

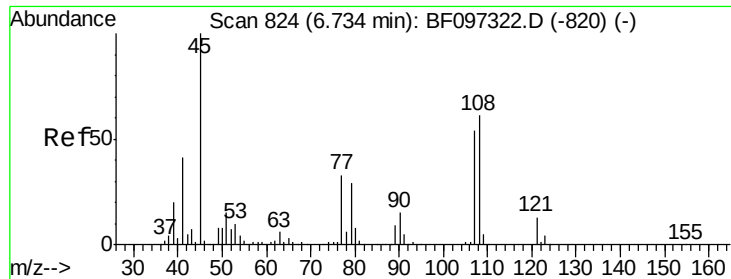


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

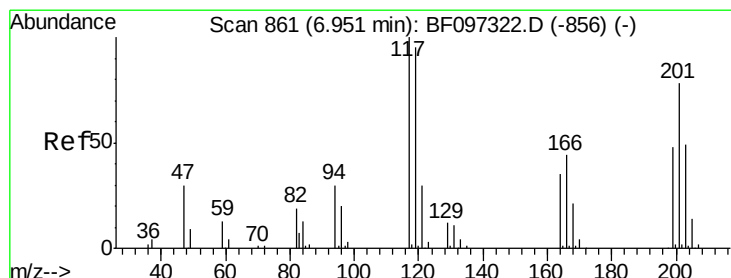
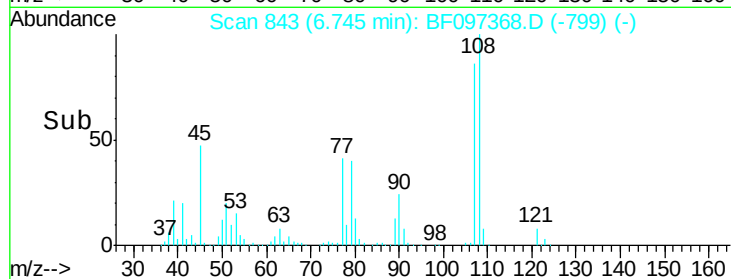
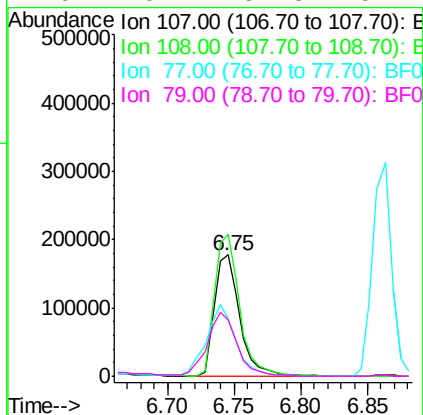
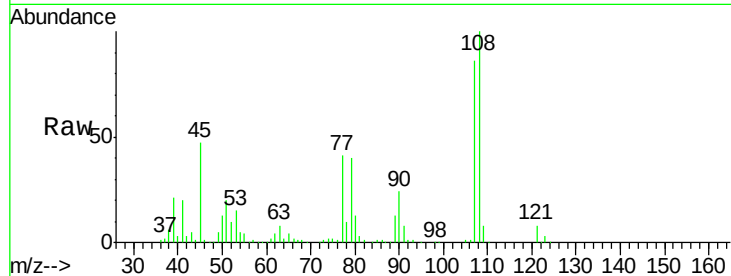




#17
2-Methylphenol
Concen: 38.35 ng
RT: 6.75 min Scan# 843
Delta R.T. -0.04 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

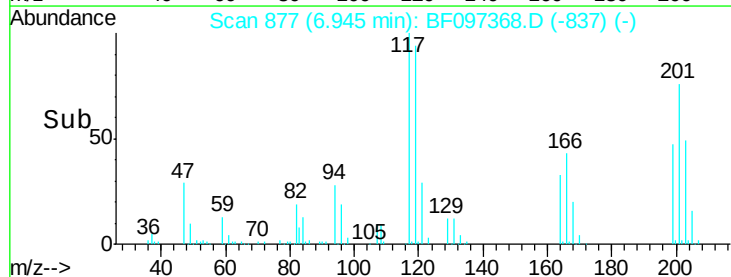
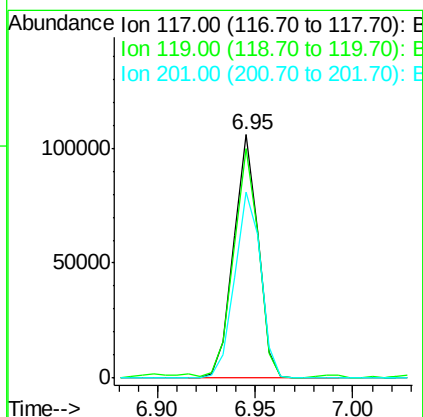
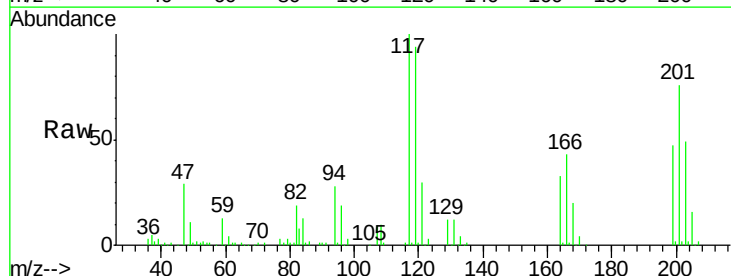
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

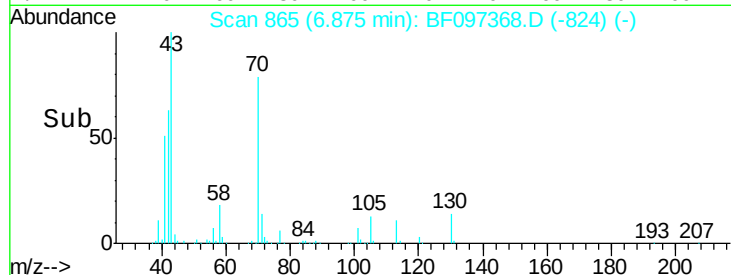
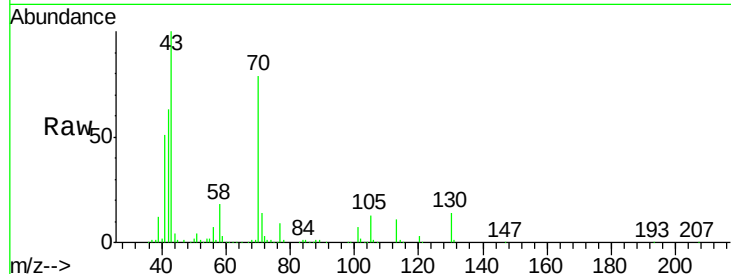
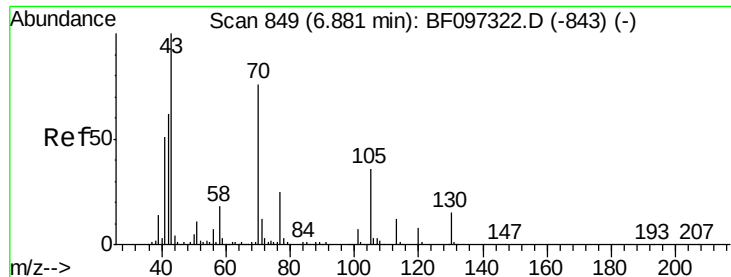
Tot Ion:	107	Resp:	237349
Ion	Ratio	Lower	Upper
107	100		
108	116.8	93.4	140.0
77	48.0	35.8	53.6
79	46.7	34.8	52.2



#18
Hexachloroethane
Concen: 29.56 ng
RT: 6.95 min Scan# 877
Delta R.T. -0.06 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion:	117	Resp:	92609
Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.4	116.0
201	76.3	94.6	141.8#

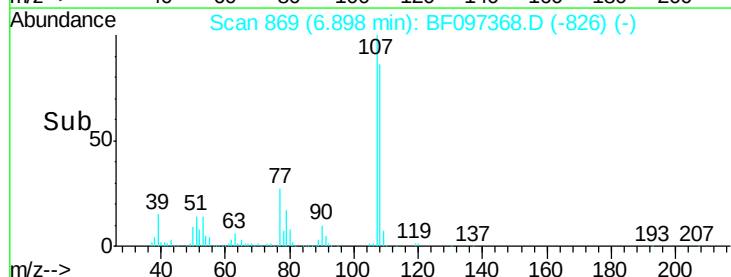
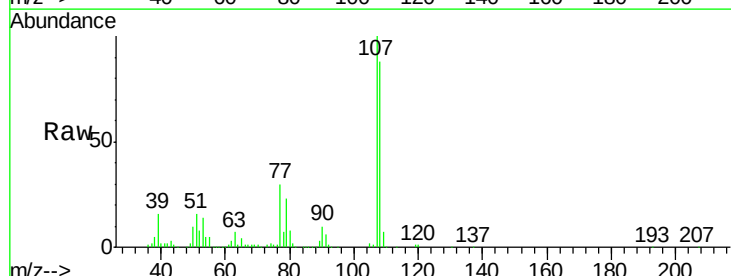
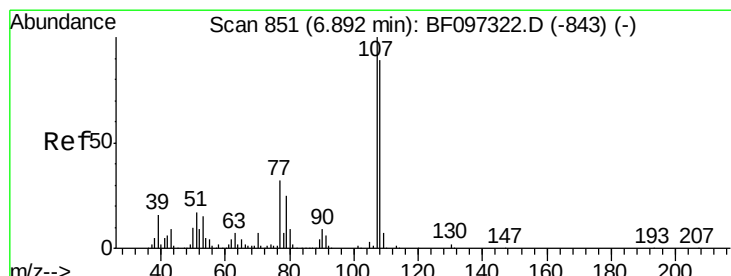
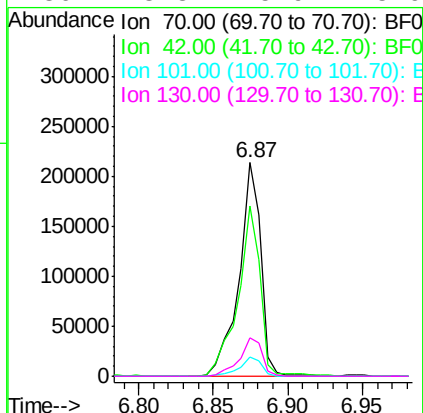




#19
n-Nitroso-di-n-propylamine
Concen: 38.55 ng
RT: 6.87 min Scan# 865
Delta R.T. -0.06 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

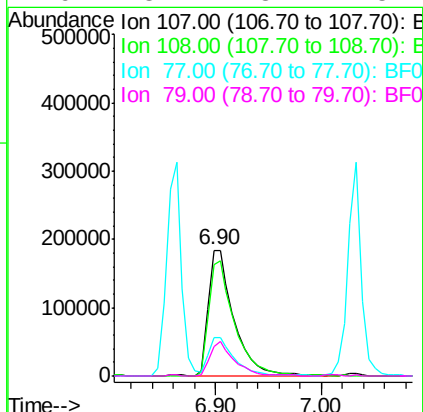
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

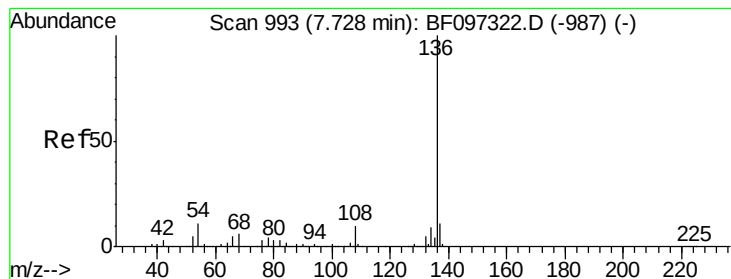
Tot Ion:	70	Resp:	217252
Ion	Ratio	Lower	Upper
70	100		
42	79.9	47.2	70.8#
101	9.1	7.2	10.8
130	18.3	15.9	23.9



#20
3+4-Methylphenols
Concen: 38.29 ng
RT: 6.90 min Scan# 869
Delta R.T. -0.05 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion:	107	Resp:	309524
Ion	Ratio	Lower	Upper
107	100		
108	88.2	71.0	111.0
77	30.5	90.5	130.5#
79	23.4	8.4	48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.72 min Scan# 1009

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

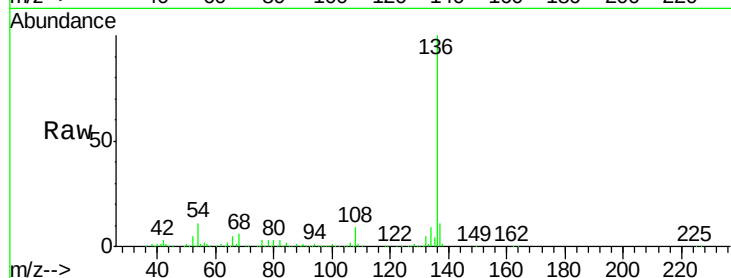
Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

Tot Ion:136	Resp:	468365
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.5 12.7
54	11.2	4.9 7.3#
68	6.1	4.1 6.1

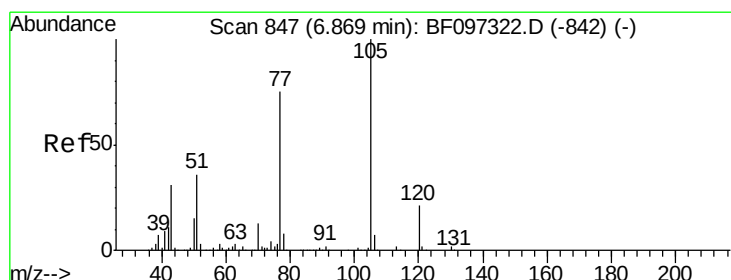
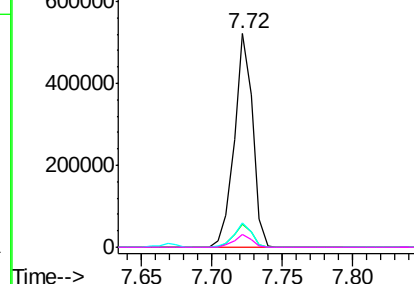
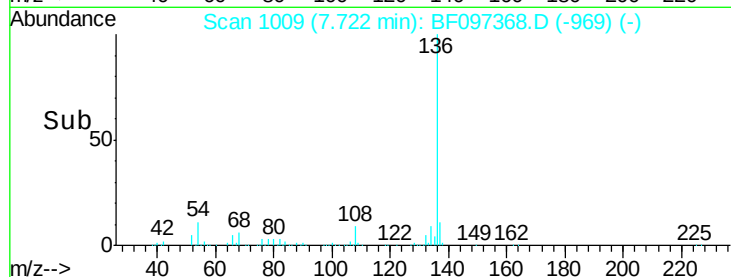


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 36.37 ng

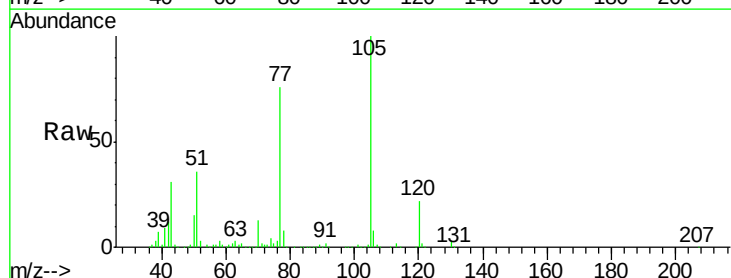
RT: 6.86 min Scan# 863

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Tgt Ion:105	Resp:	409100
Ion Ratio	Lower	Upper
105	100	
71	2.4	2.8 4.2#
51	36.3	30.7 46.1
120	22.0	17.4 26.0

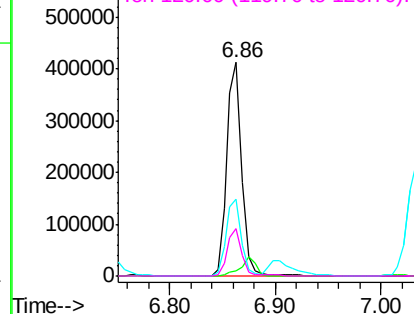
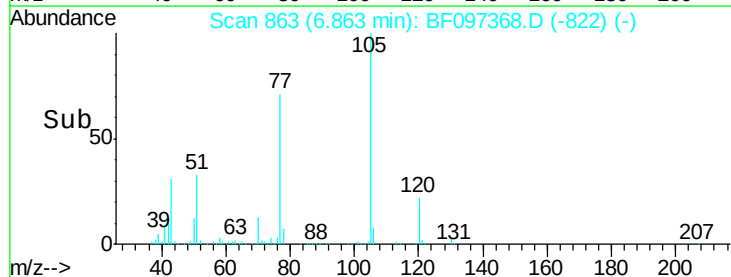


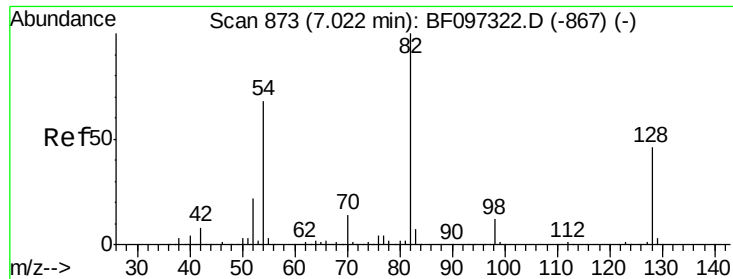
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

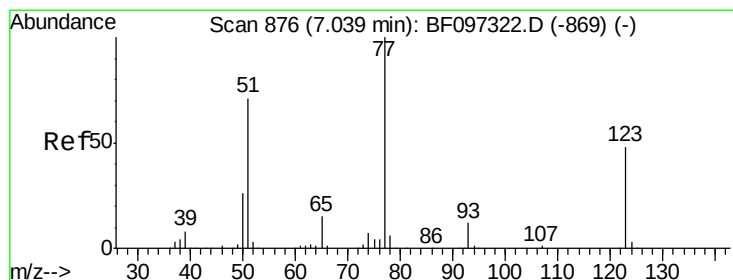
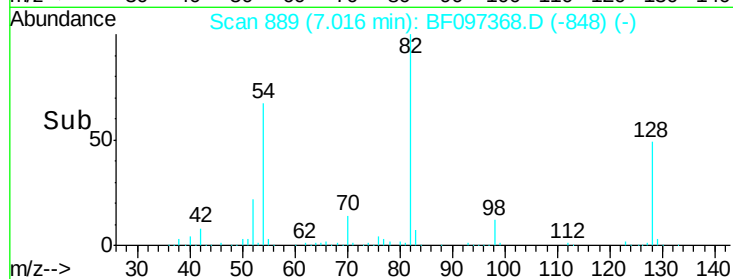
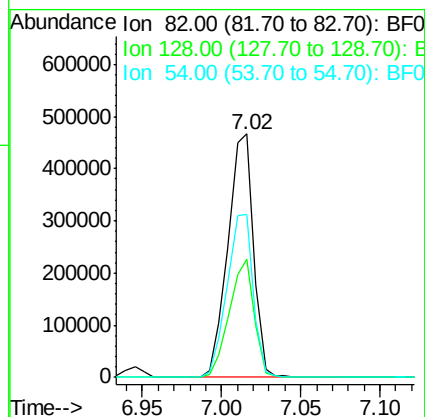
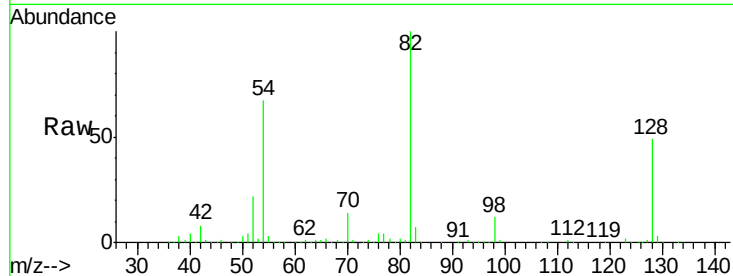




#23
 Nitrobenzene-d5
 Concen: 65.80 ng
 RT: 7.02 min Scan# 889
 Delta R.T. -0.06 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

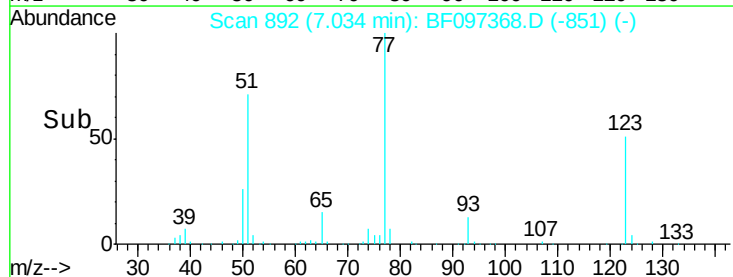
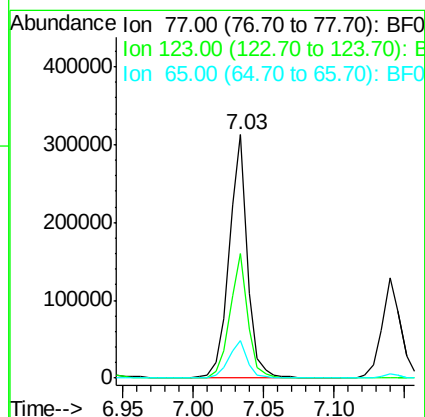
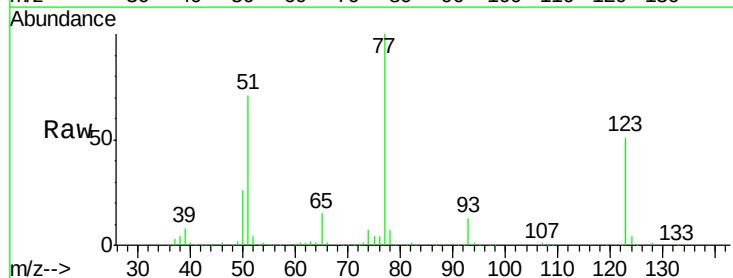
Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMS

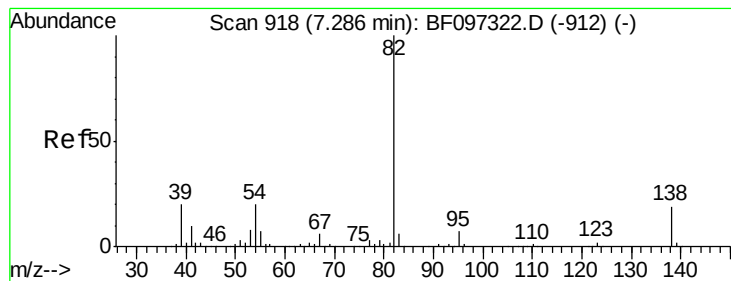
Tot Ion: 82 Resp: 525305
 Ion Ratio Lower Upper
 82 100
 128 48.6 34.0 51.0
 54 67.1 42.2 63.2#



#24
 Nitrobenzene
 Concen: 33.41 ng
 RT: 7.03 min Scan# 892
 Delta R.T. -0.06 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

Tgt Ion: 77 Resp: 277770
 Ion Ratio Lower Upper
 77 100
 123 50.9 35.8 53.8
 65 15.2 10.6 15.8





#25

Isophorone

Concen: 31.97 ng

RT: 7.27 min Scan# 933

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

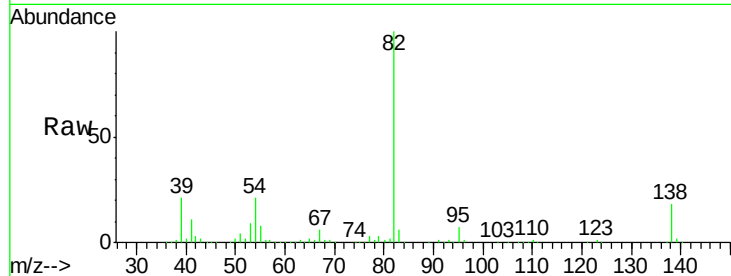
Tot Ion: 82 Resp: 499792

Ion Ratio Lower Upper

82 100

95 6.7 5.3 7.9

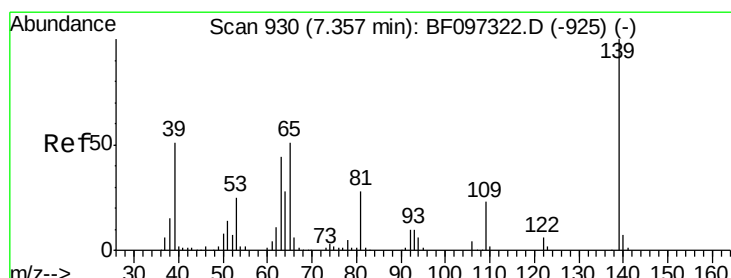
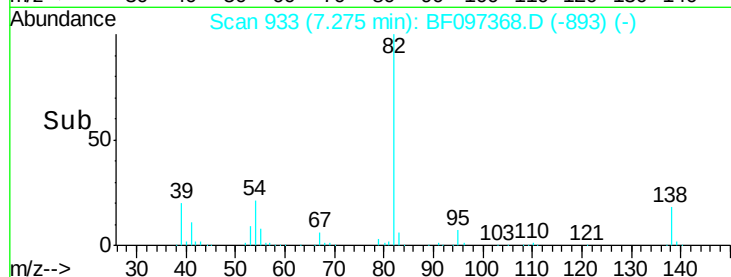
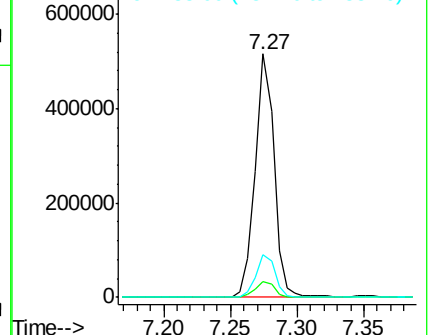
138 17.6 13.1 19.7



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): BF0



#26

2-Nitrophenol

Concen: 29.91 ng

RT: 7.35 min Scan# 946

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

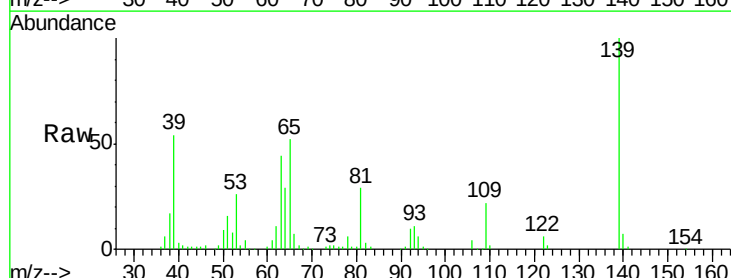
Tgt Ion: 139 Resp: 134554

Ion Ratio Lower Upper

139 100

109 22.5 21.0 31.6

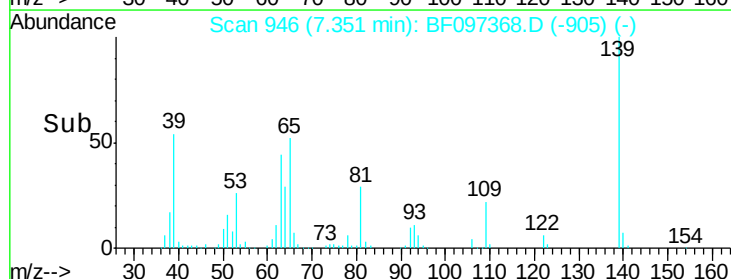
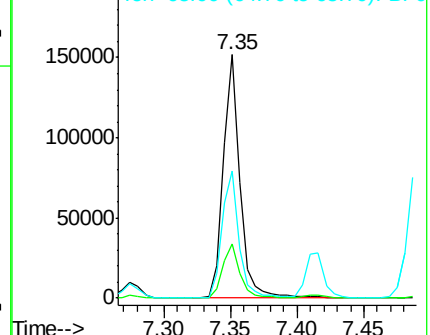
65 52.3 33.0 49.6#

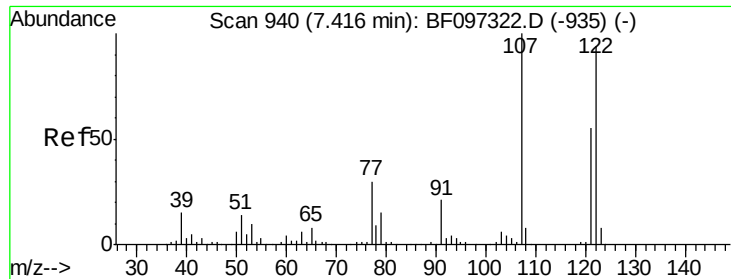


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 34.91 ng

RT: 7.42 min Scan# 957

Delta R.T. -0.05 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

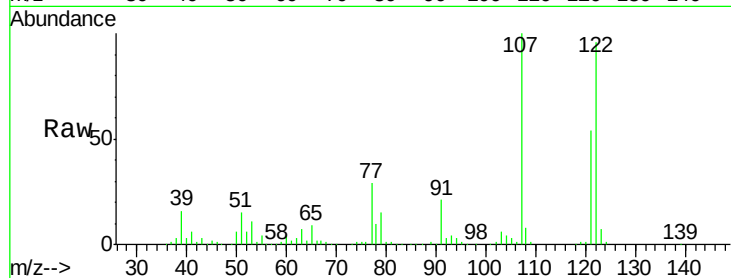
Tot Ion:122 Resp: 259076

Ion Ratio Lower Upper

122 100

107 104.5 89.2 133.8

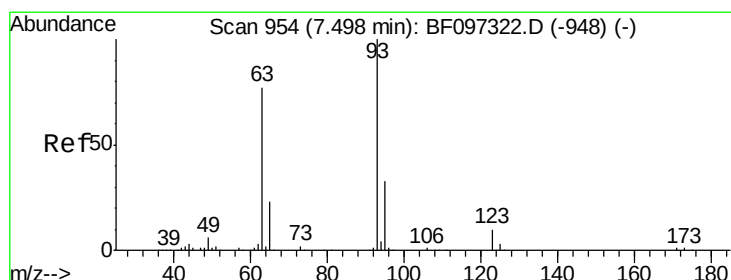
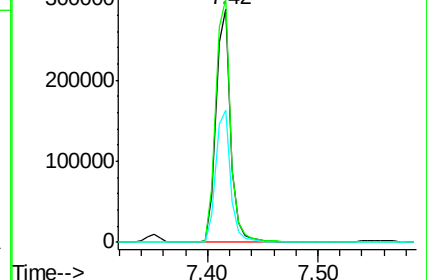
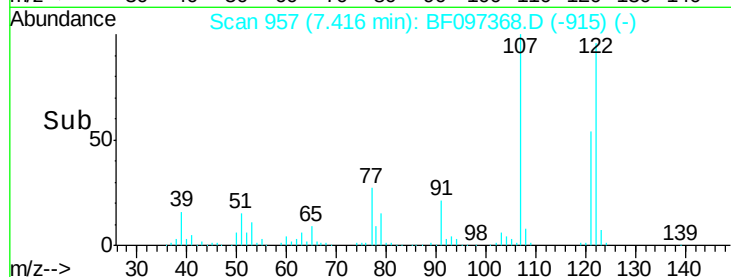
121 56.6 45.2 67.8



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: 37.53 ng

RT: 7.49 min Scan# 970

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

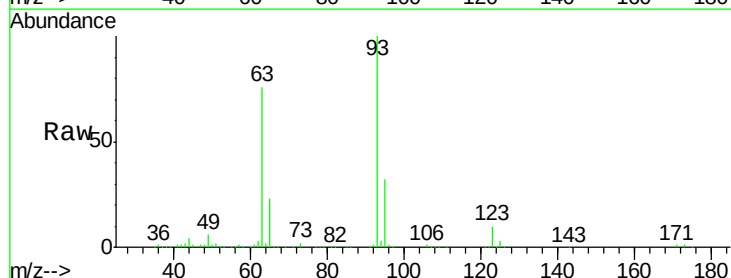
Tgt Ion: 93 Resp: 382911

Ion Ratio Lower Upper

93 100

95 32.5 26.5 39.7

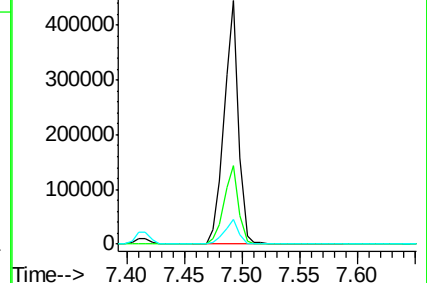
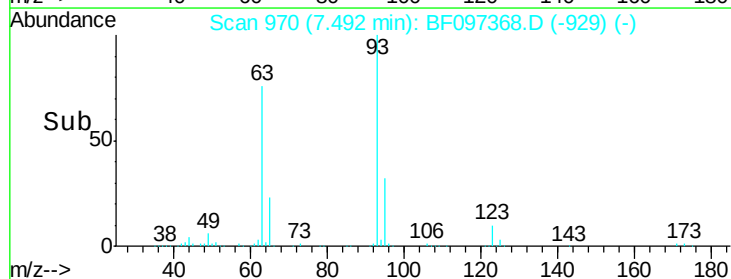
123 10.1 9.0 13.4

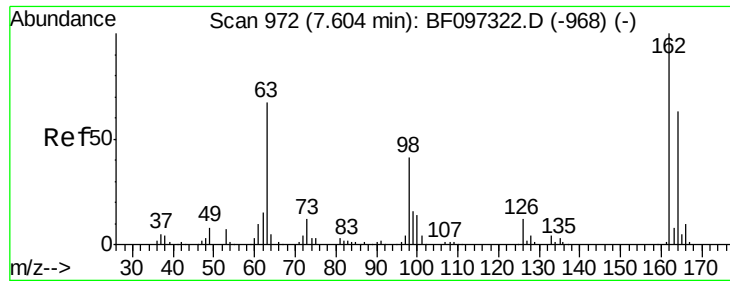


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

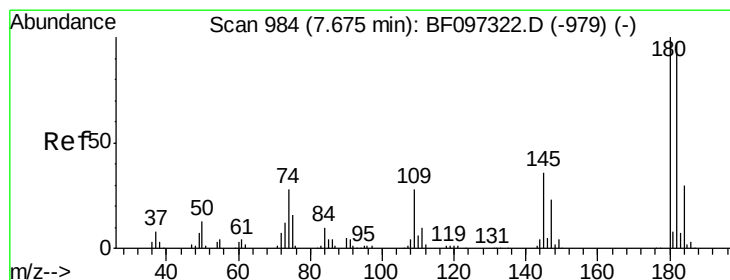
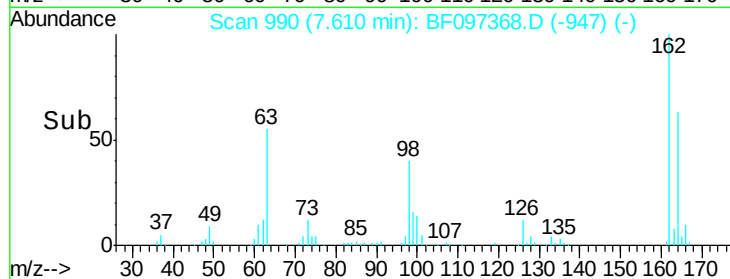
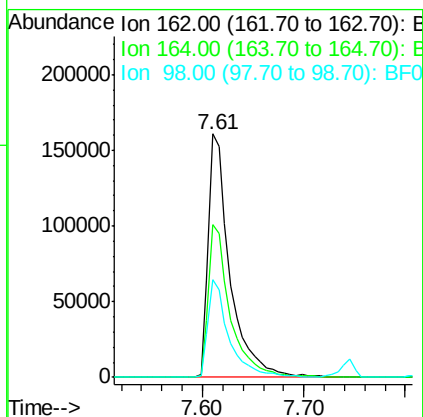
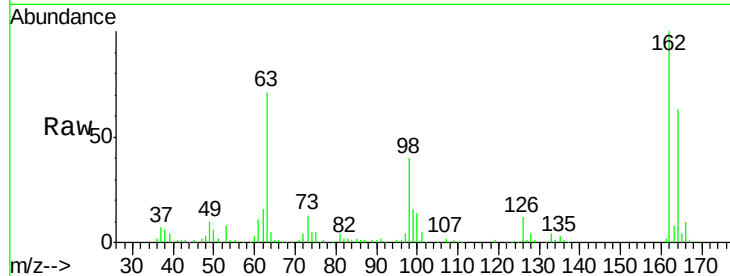




#29
 2,4-Dichlorophenol
 Concen: 37.34 ng
 RT: 7.61 min Scan# 990
 Delta R.T. -0.05 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

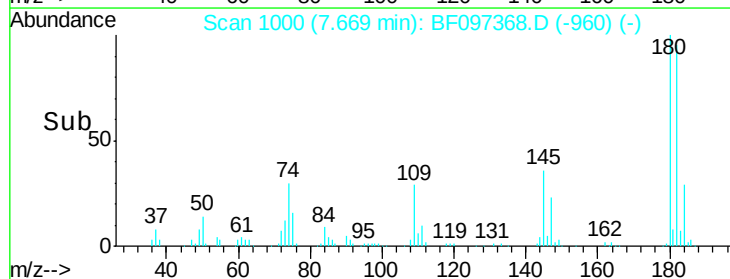
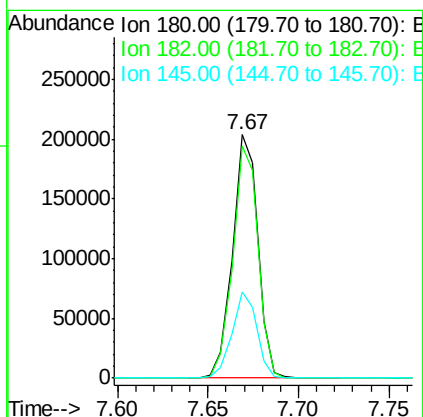
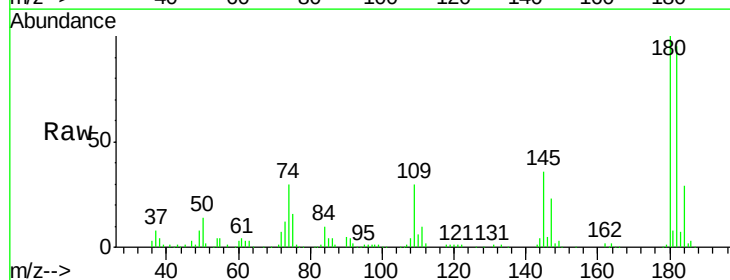
Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMS

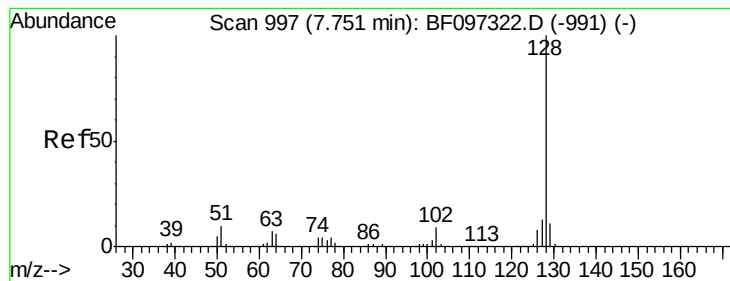
Tot Ion:162 Resp: 238739
 Ion Ratio Lower Upper
 162 100
 164 62.8 44.6 84.6
 98 40.3 14.8 54.8



#30
 1,2,4-Trichlorobenzene
 Concen: 32.46 ng
 RT: 7.67 min Scan# 1000
 Delta R.T. -0.06 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

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





#31

Naphthalene

Concen: 34.71 ng

RT: 7.75 min Scan# 1013

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

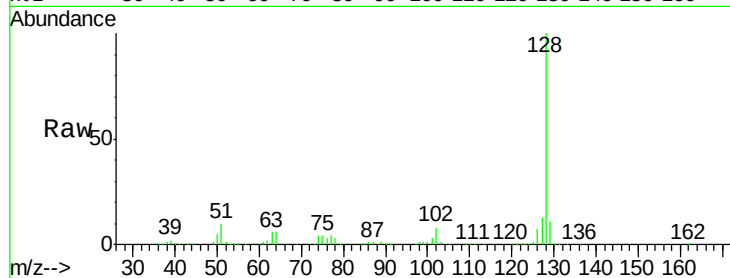
Tot Ion:128 Resp: 766281

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

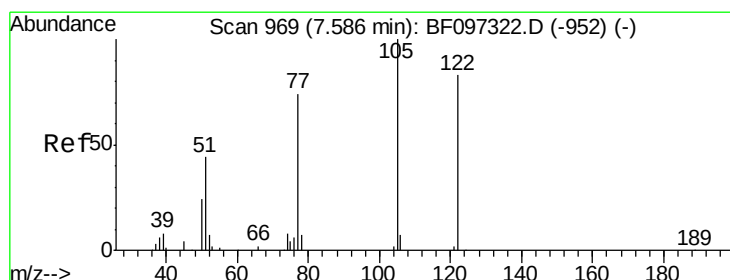
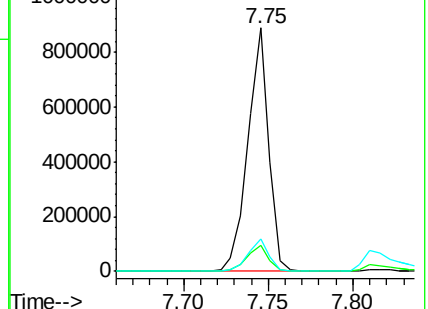
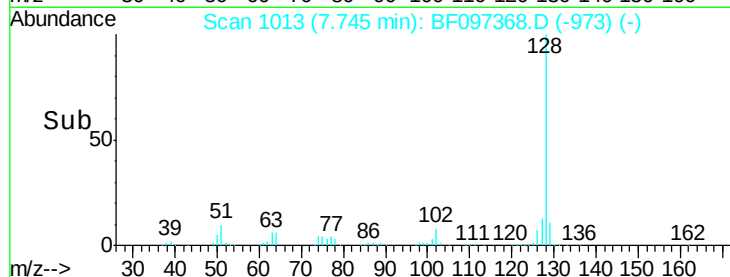
127 13.3 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 46.75 ng

RT: 7.42 min Scan# 957

Delta R.T. -0.22 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

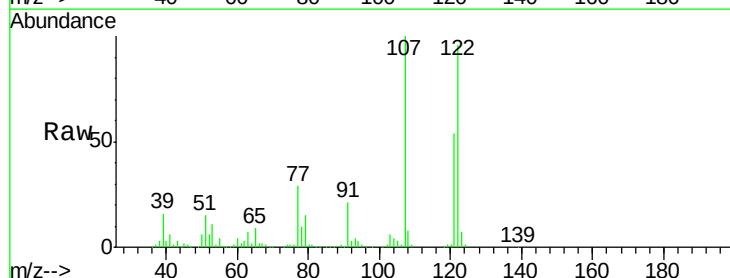
Tgt Ion:122 Resp: 259076

Ion Ratio Lower Upper

122 100

105 3.3 103.3 143.3#

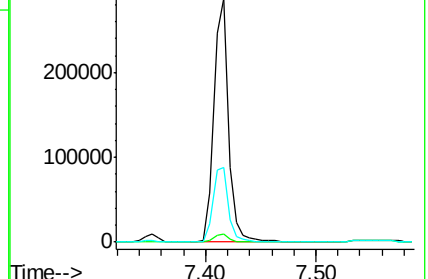
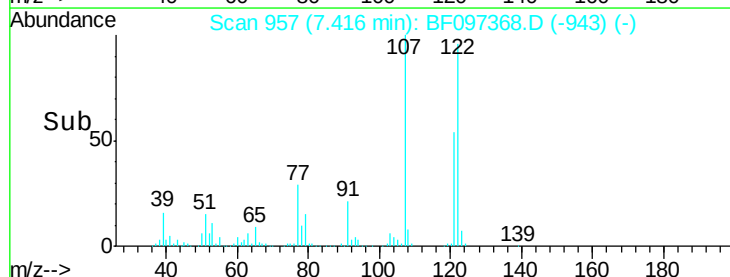
77 30.4 73.7 113.7#

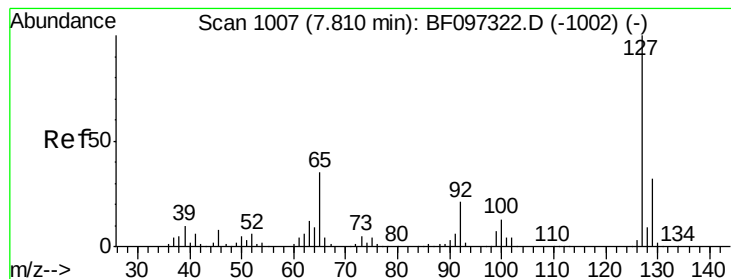


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 13.65 ng

RT: 7.81 min Scan# 1024

Delta R.T. -0.05 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

Tot Ion:127 Resp: 122654

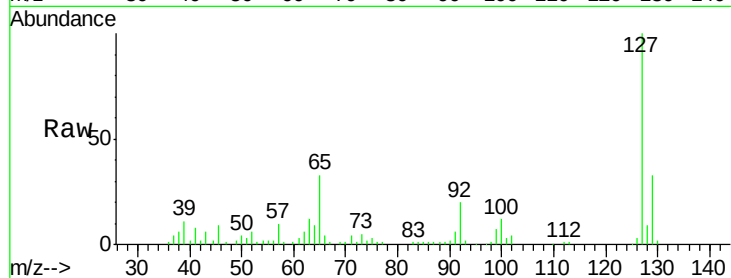
Ion Ratio Lower Upper

127 100

129 32.8 26.2 39.2

65 32.6 27.8 41.8

92 19.6 16.8 25.2

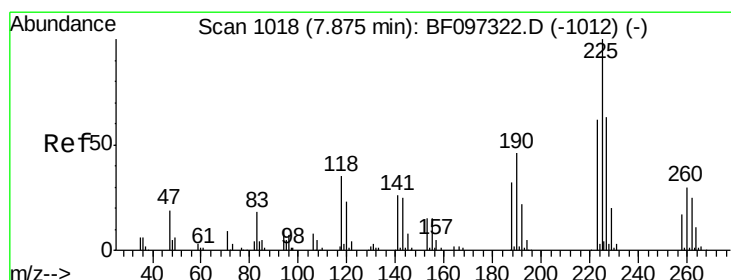
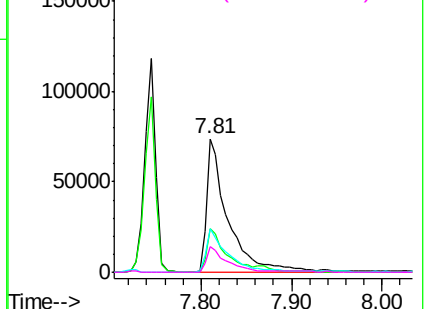
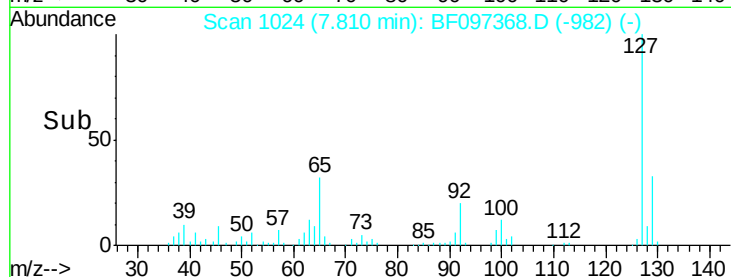


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 30.36 ng

RT: 7.87 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

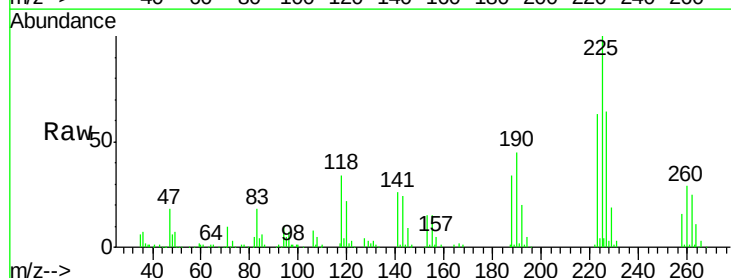
Tgt Ion:225 Resp: 98079

Ion Ratio Lower Upper

225 100

223 63.3 48.8 73.2

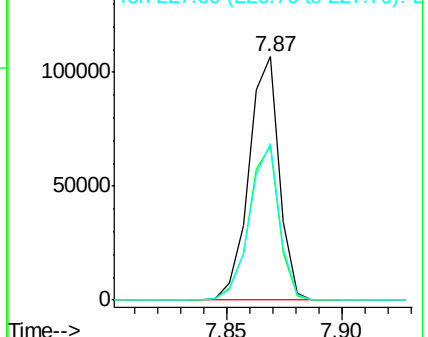
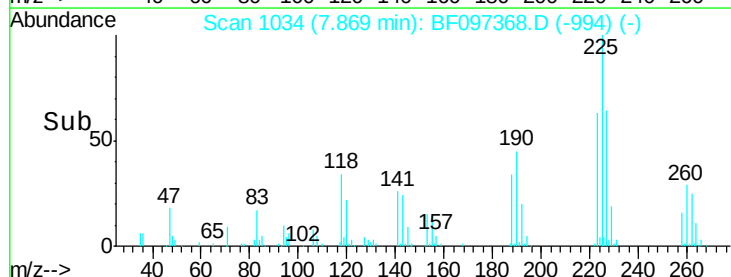
227 64.1 51.1 76.7

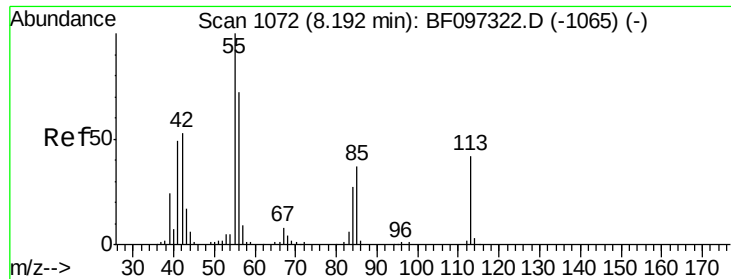


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

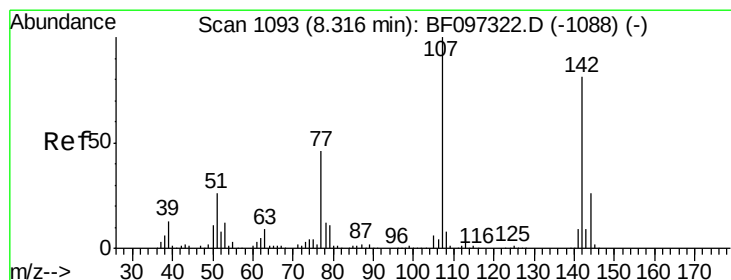
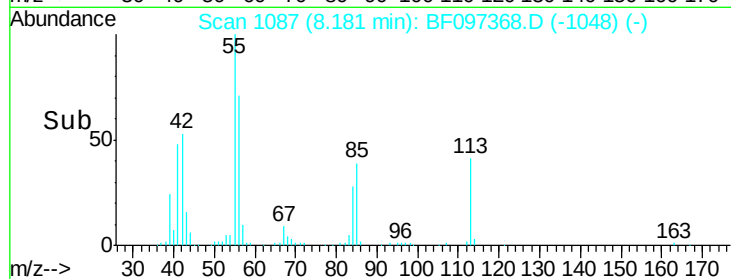
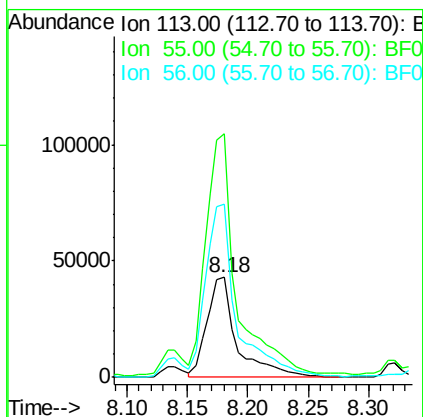
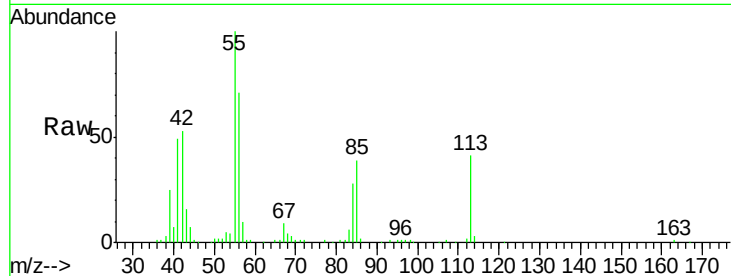




#35
 Caprolactam
 Concen: 36.18 ng
 RT: 8.18 min Scan# 1087
 Delta R.T. -0.07 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

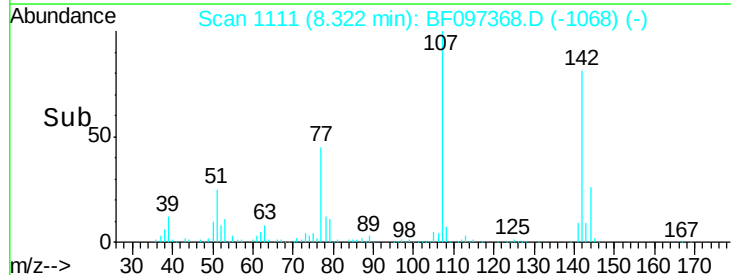
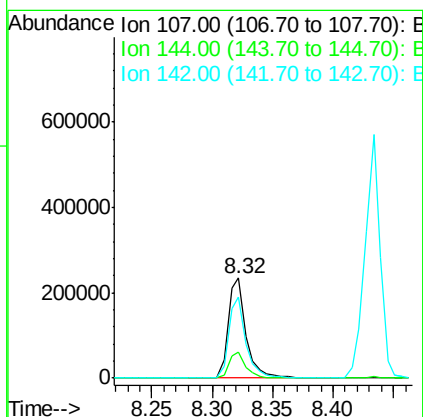
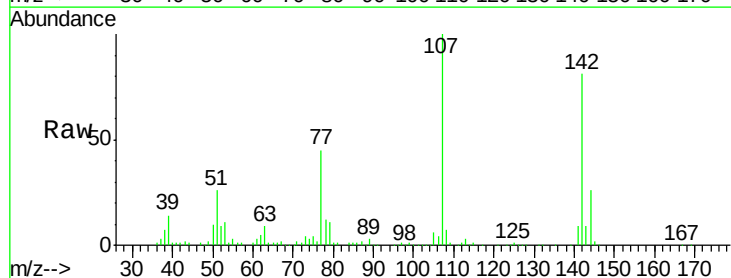
Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMS

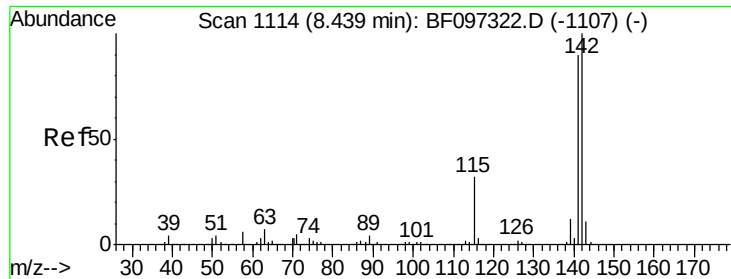
Tot Ion:113 Resp: 74167
 Ion Ratio Lower Upper
 113 100
 55 244.2 150.2 190.2#
 56 173.1 107.8 147.8#



#36
 4-Chloro-3-methylphenol
 Concen: 34.01 ng
 RT: 8.32 min Scan# 1111
 Delta R.T. -0.05 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

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

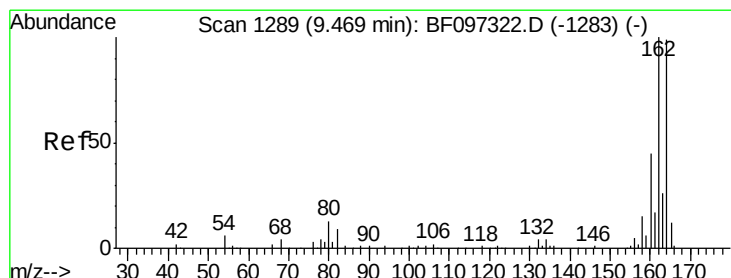
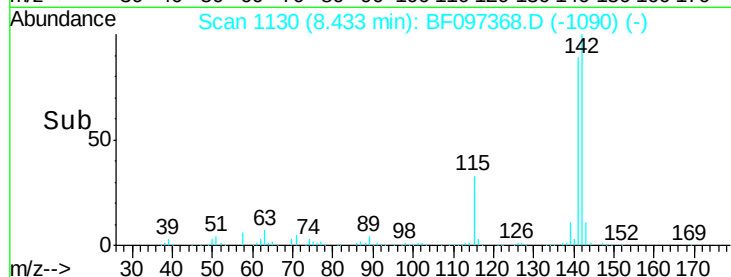
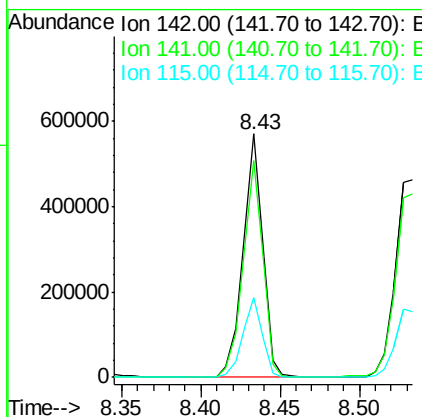
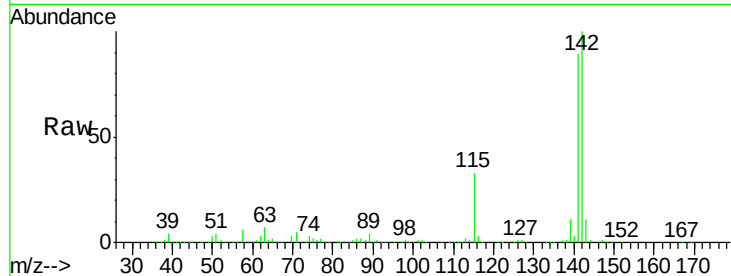




#37
2-Methylnaphthalene
Concen: 35.17 ng
RT: 8.43 min Scan# 1130
Delta R.T. -0.06 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

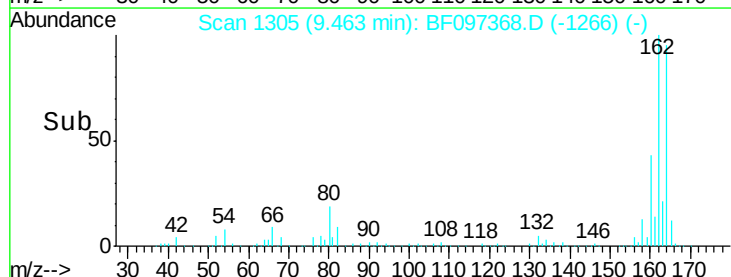
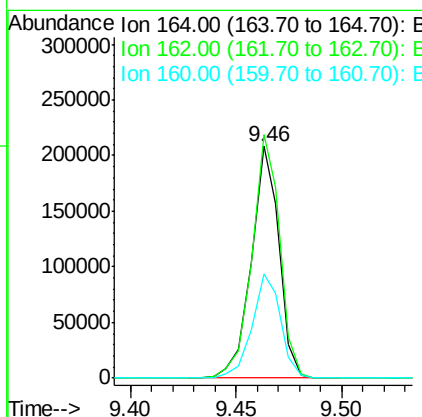
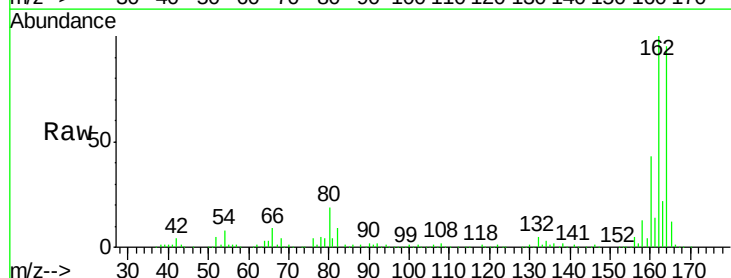
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

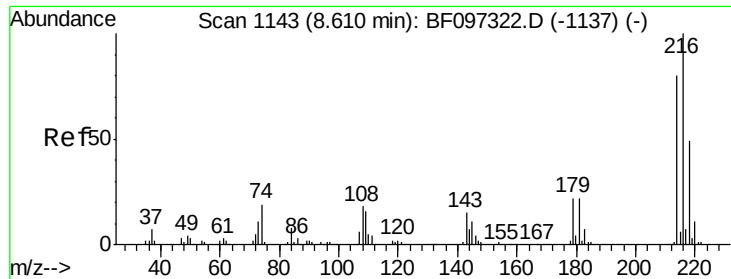
Tot Ion:142 Resp: 491624
Ion Ratio Lower Upper
142 100
141 89.1 71.3 106.9
115 32.9 27.1 40.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.46 min Scan# 1305
Delta R.T. -0.07 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion:164 Resp: 189297
Ion Ratio Lower Upper
164 100
162 105.1 82.6 123.8
160 44.8 36.2 54.2





#39

1,2,4,5-Tetrachlorobenzene

Concen: 34.91 ng

RT: 8.60 min Scan# 1159

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

Tot Ion:216 Resp: 176350

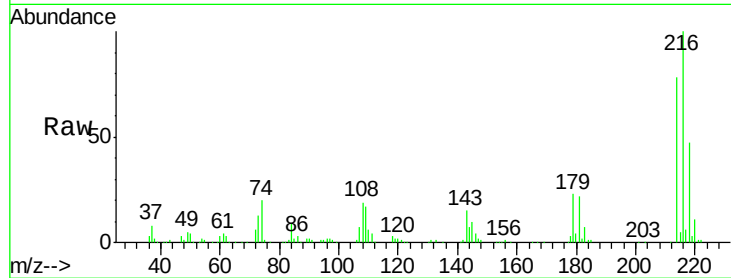
Ion Ratio Lower Upper

216 100

214 78.7 63.4 95.2

179 22.7 17.9 26.9

108 21.1 16.5 24.7

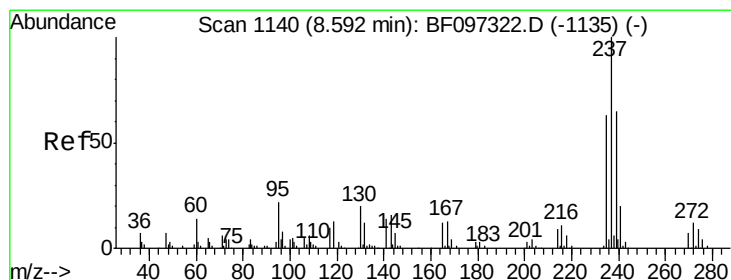
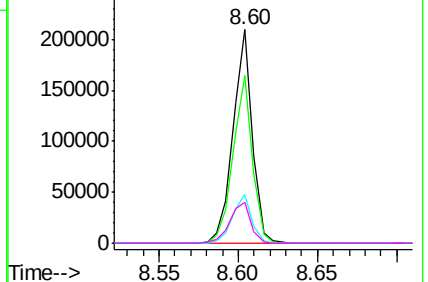
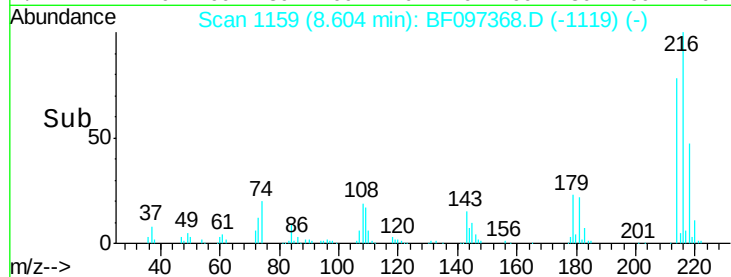


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 16.95 ng

RT: 8.59 min Scan# 1156

Delta R.T. -0.07 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

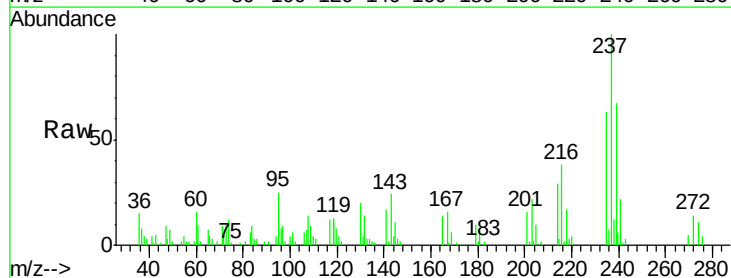
Tgt Ion:237 Resp: 19941

Ion Ratio Lower Upper

237 100

235 63.2 42.6 82.6

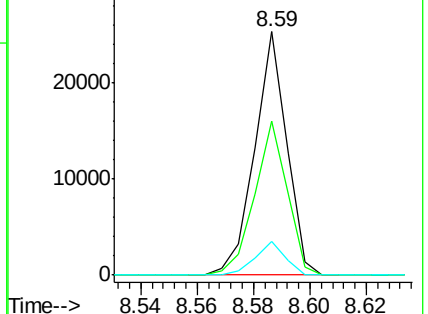
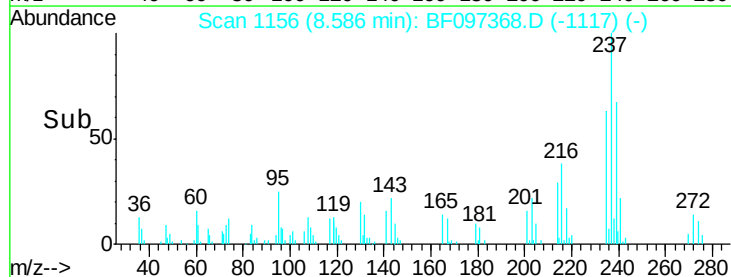
272 13.8 0.0 31.9

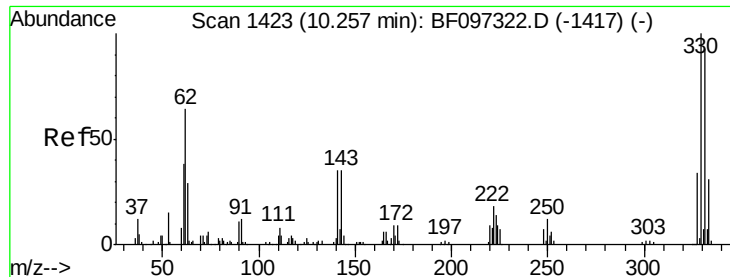


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 87.86 ng

RT: 10.25 min Scan# 1439

Delta R.T. -0.07 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

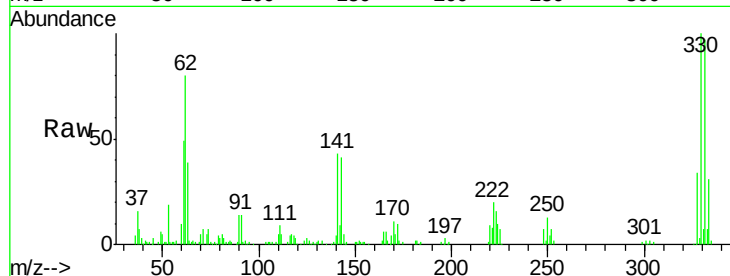
Tot Ion:330 Resp: 131409

Ion Ratio Lower Upper

330 100

332 96.6 76.6 115.0

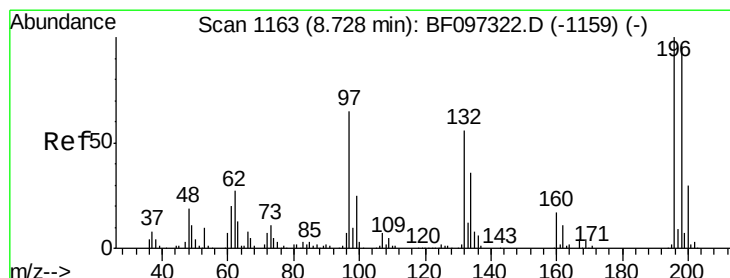
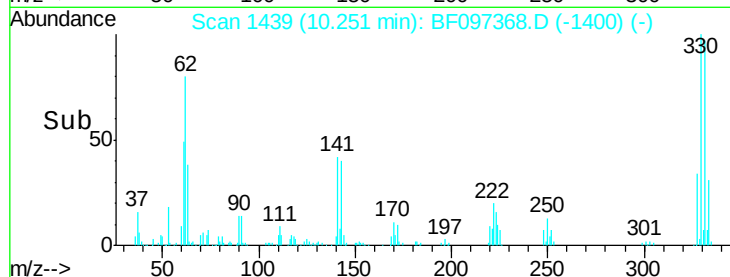
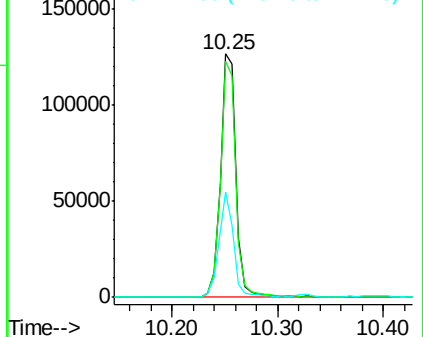
141 41.2 31.4 47.2



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 32.76 ng

RT: 8.73 min Scan# 1180

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

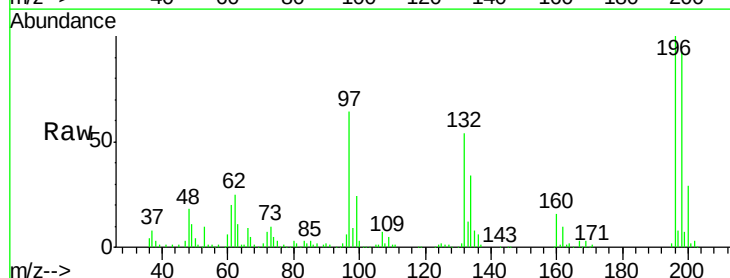
Tgt Ion:196 Resp: 119923

Ion Ratio Lower Upper

196 100

198 93.1 74.2 111.4

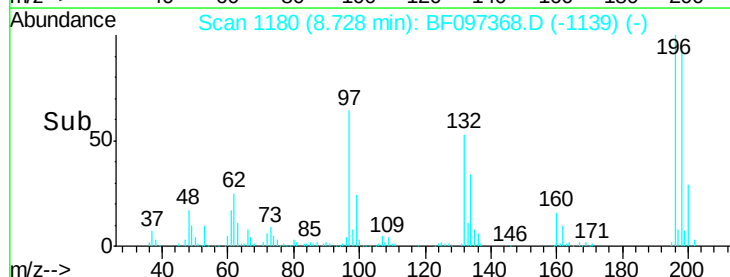
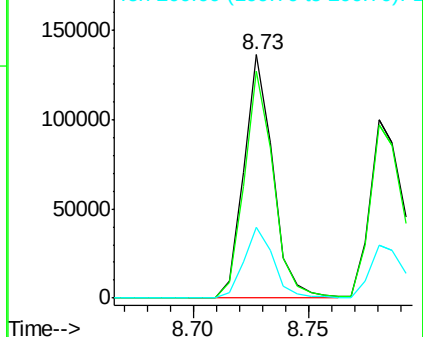
200 29.2 24.0 36.0

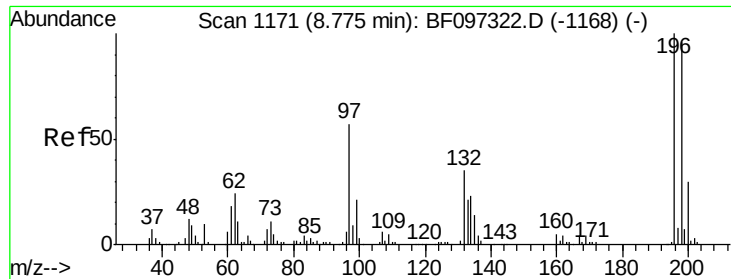


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

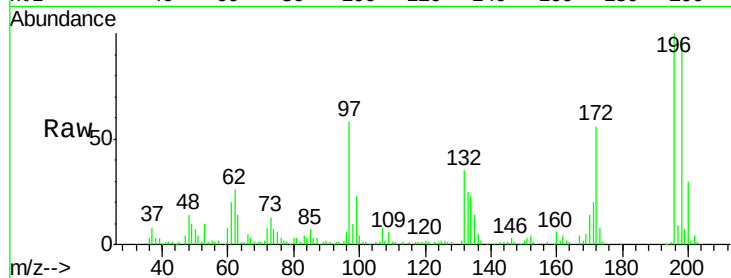




#43
 2,4,5-Trichlorophenol
 Concen: 31.37 ng
 RT: 8.78 min Scan# 1189
 Delta R.T. -0.05 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMS

Tot Ion	Ratio	Lower	Upper
196	100		
198	96.6	75.7	113.5
97	58.2	47.7	71.5
132	34.8	28.0	42.0



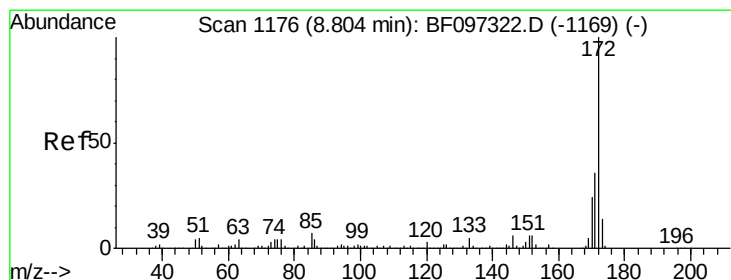
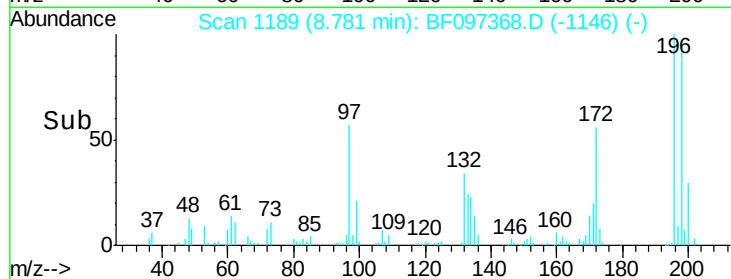
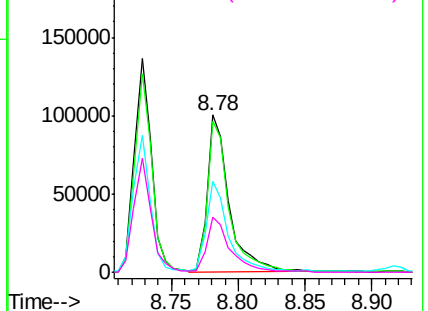
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

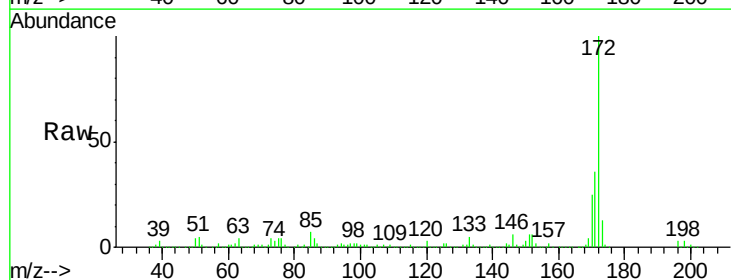
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 63.89 ng
 RT: 8.80 min Scan# 1192
 Delta R.T. -0.07 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.5	19.8	29.8

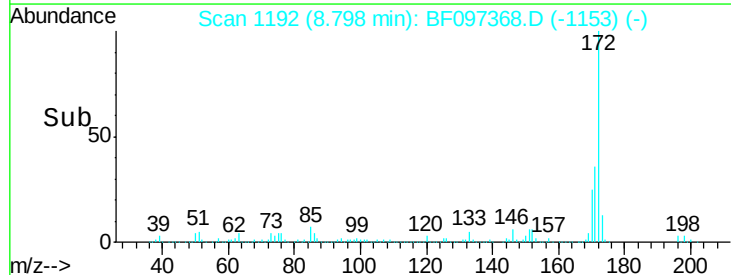
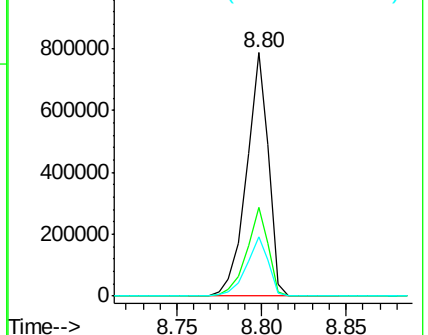


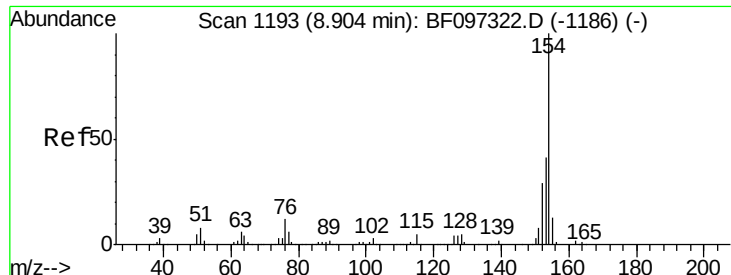
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

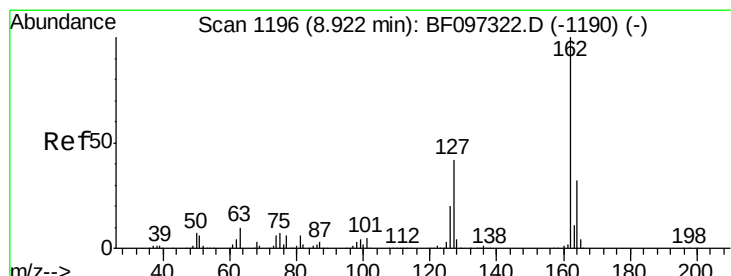
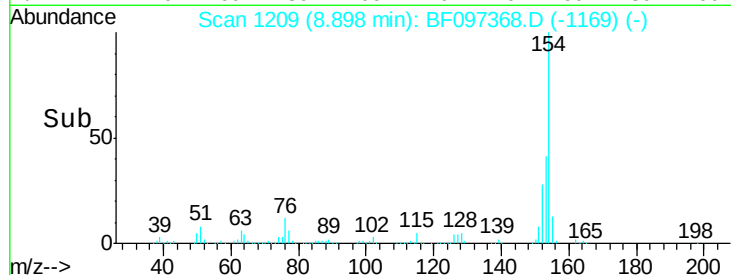
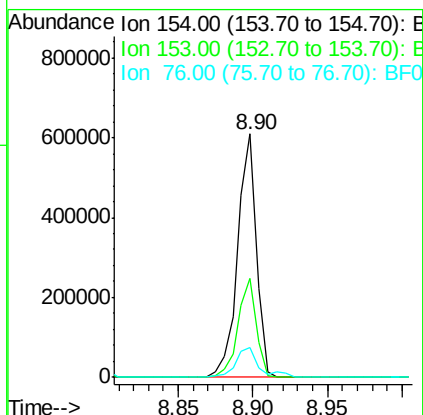
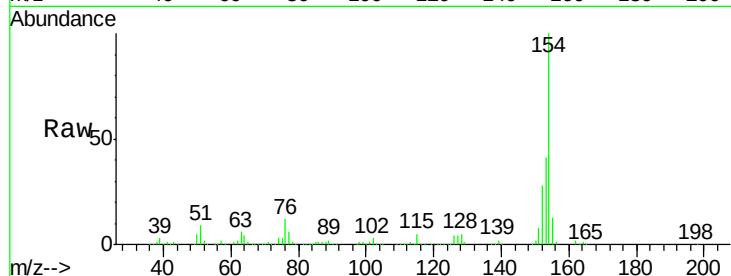




#45
 1,1'-Biphenyl
 Concen: 33.36 ng
 RT: 8.90 min Scan# 1209
 Delta R.T. -0.06 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

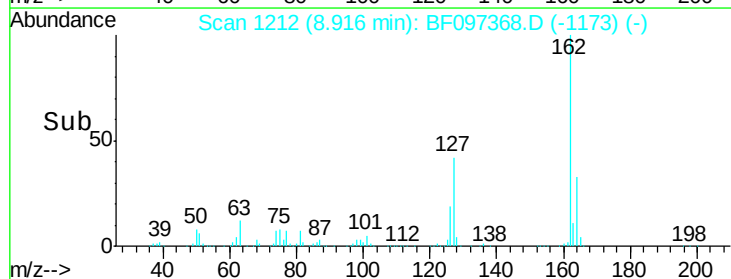
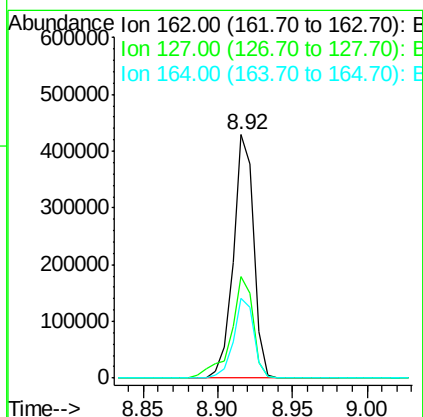
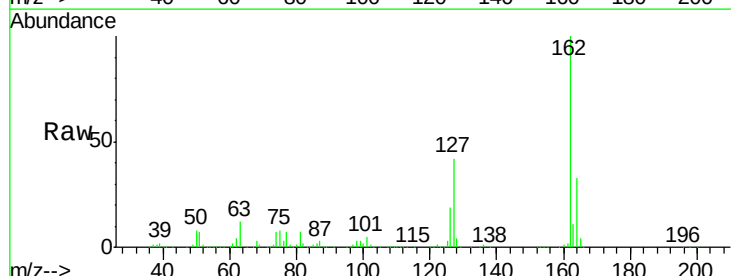
Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMS

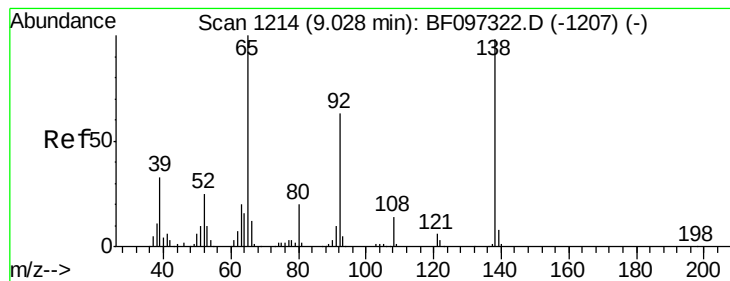
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.5	21.2	61.2
76	12.5	0.0	29.9



#46
 2-Chloronaphthalene
 Concen: 34.82 ng
 RT: 8.92 min Scan# 1212
 Delta R.T. -0.07 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

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





#47

2-Nitroaniline

Concen: 37.98 ng

RT: 9.03 min Scan# 1231

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

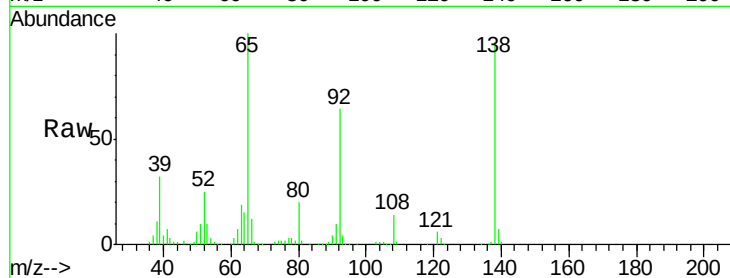
Tot Ion: 65 Resp: 163990

Ion Ratio Lower Upper

65 100

92 63.9 53.9 80.9

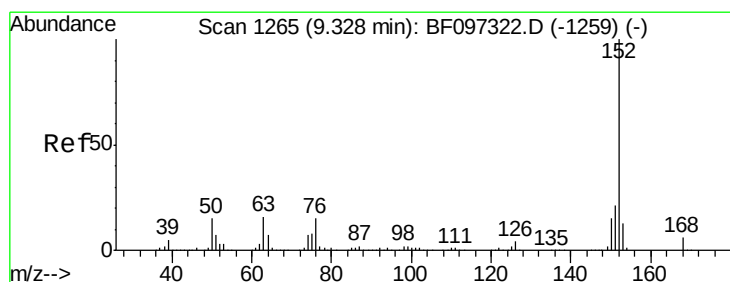
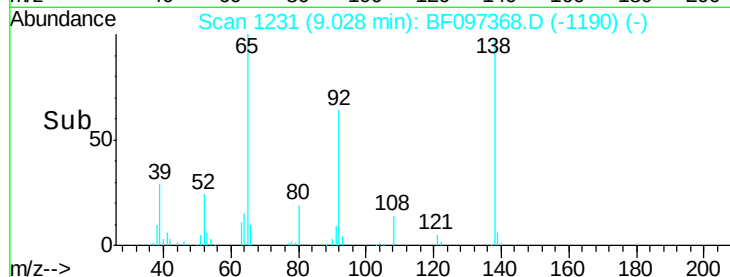
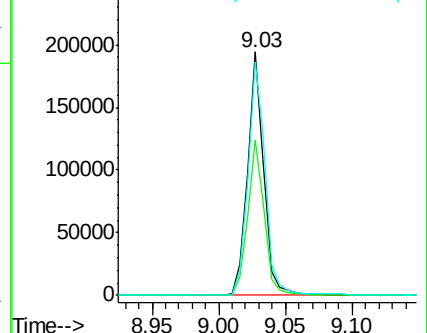
138 96.0 78.8 118.2



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): BF0



#48

Acenaphthylene

Concen: 33.73 ng

RT: 9.33 min Scan# 1282

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

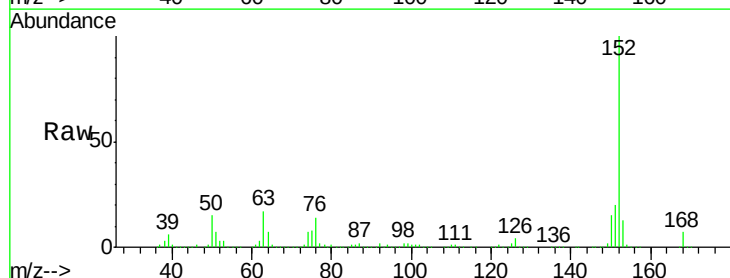
Tgt Ion: 152 Resp: 615919

Ion Ratio Lower Upper

152 100

151 20.2 16.8 25.2

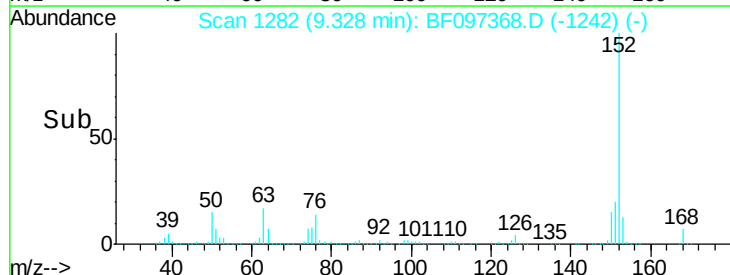
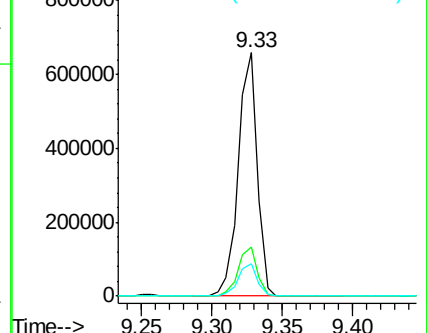
153 13.1 10.8 16.2

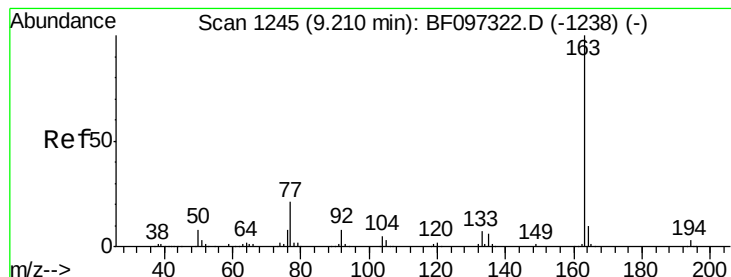


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 48.12 ng

RT: 9.20 min Scan# 1261

Delta R.T. -0.07 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

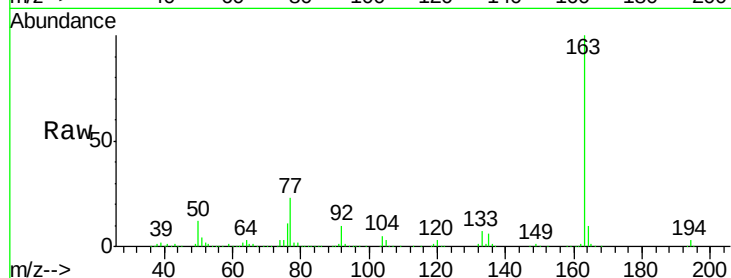
Tot Ion:163 Resp: 691696

Ion Ratio Lower Upper

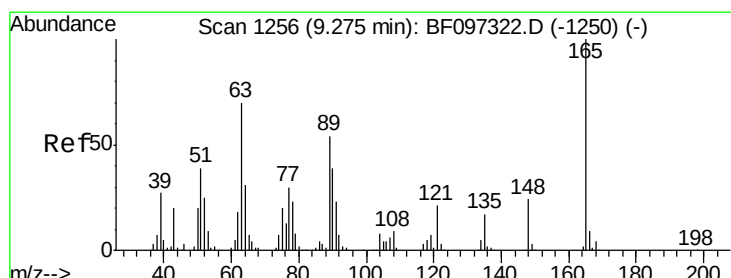
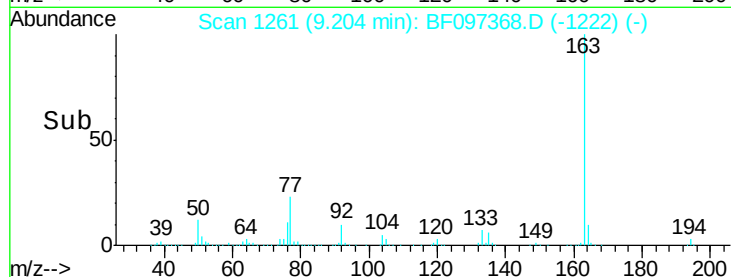
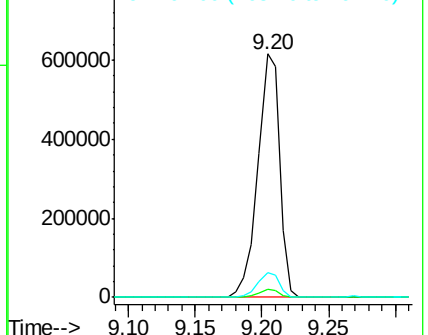
163 100

194 3.1 2.6 4.0

164 10.3 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: 36.48 ng

RT: 9.27 min Scan# 1272

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

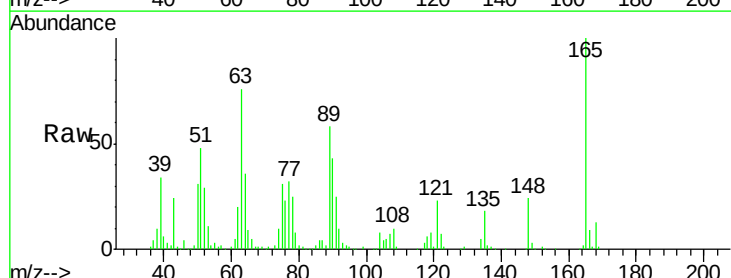
Tgt Ion:165 Resp: 111219

Ion Ratio Lower Upper

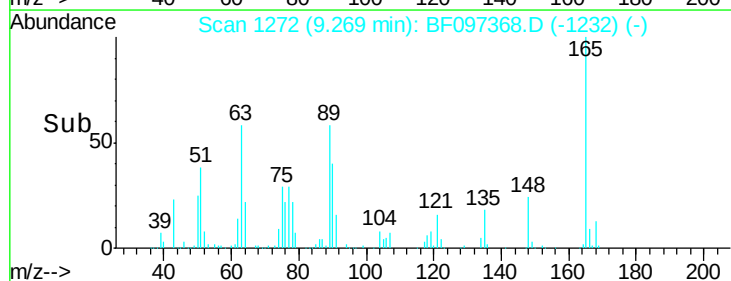
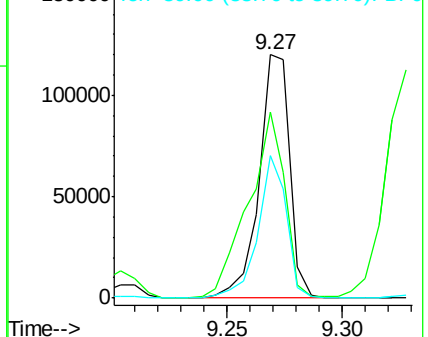
165 100

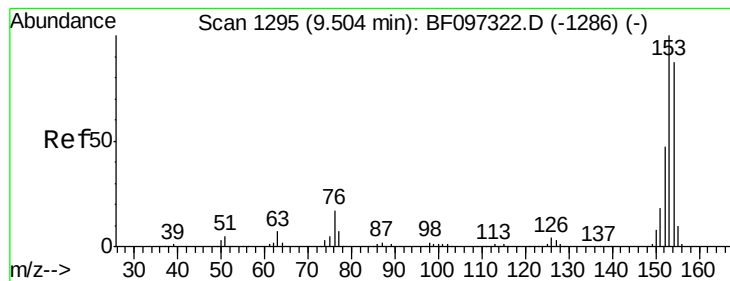
63 76.2 34.3 51.5#

89 58.4 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: 33.94 ng

RT: 9.50 min Scan# 1311

Delta R.T. -0.07 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

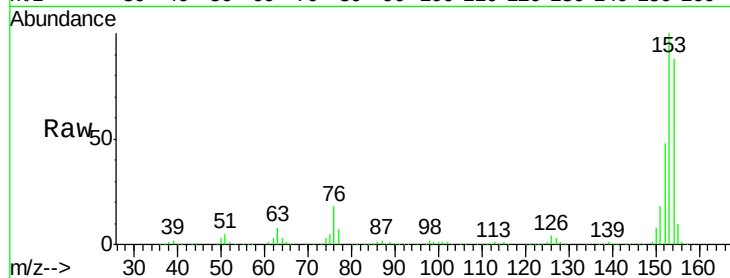
Tot Ion:154 Resp: 365123

Ion Ratio Lower Upper

154 100

153 114.2 90.5 135.7

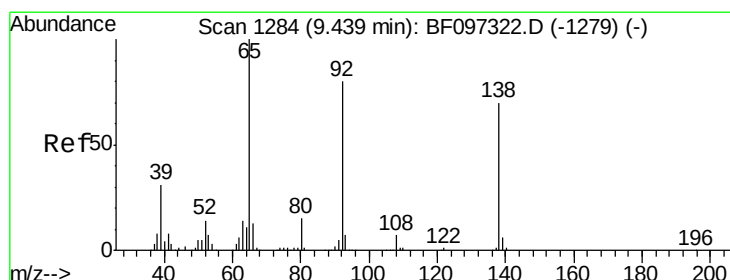
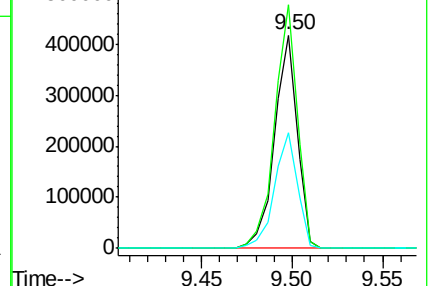
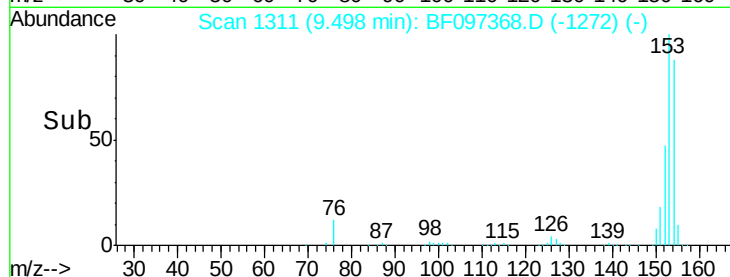
152 54.3 43.6 65.4



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: 29.38 ng

RT: 9.44 min Scan# 1301

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

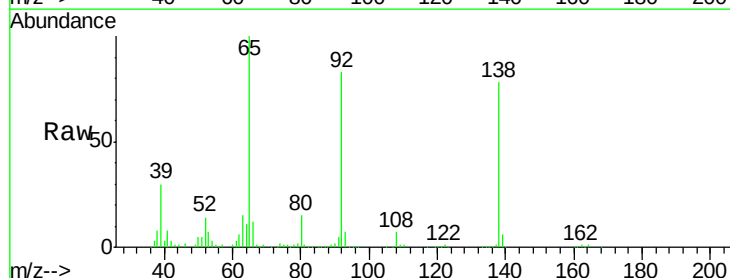
Tgt Ion:138 Resp: 111186

Ion Ratio Lower Upper

138 100

108 9.6 9.1 13.7

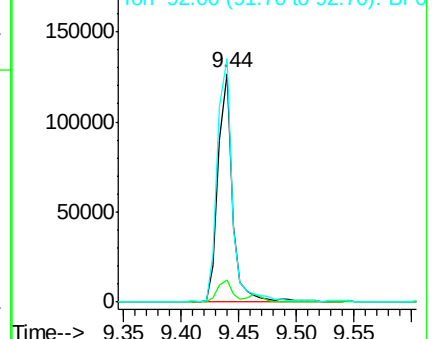
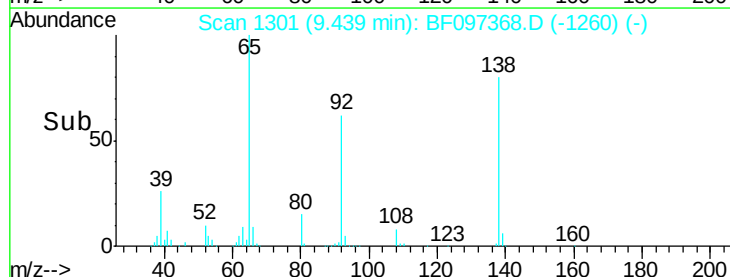
92 106.4 93.8 140.6

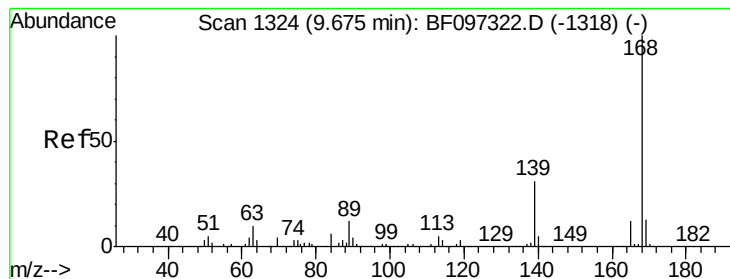


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#54

Dibenzenofuran

Concen: 37.09 ng

RT: 9.67 min Scan# 1340

Delta R.T. -0.07 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

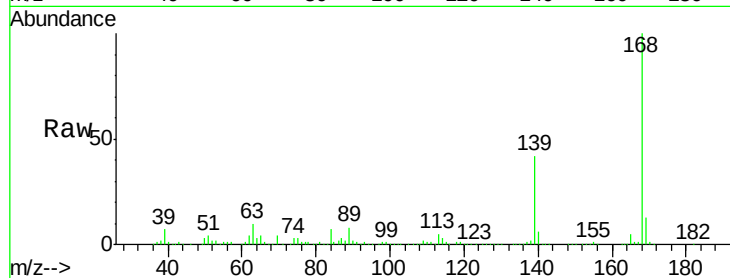
Tot Ion:168 Resp: 531411

Ion Ratio Lower Upper

168 100

139 41.7 30.6 45.8

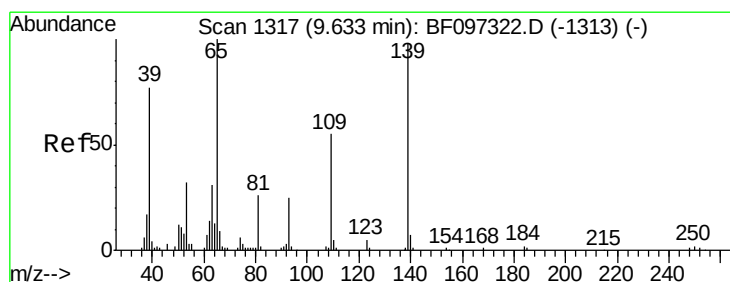
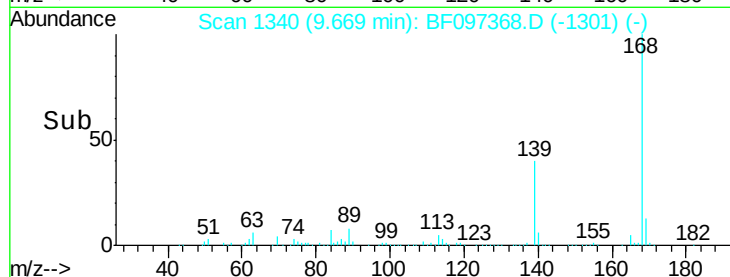
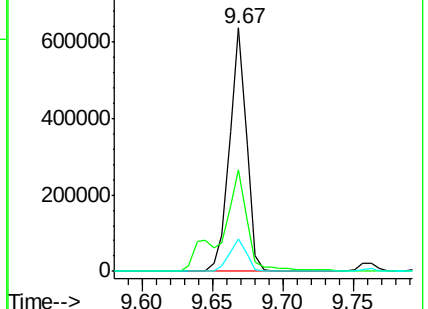
169 13.3 10.8 16.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 152.90 ng

RT: 9.67 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

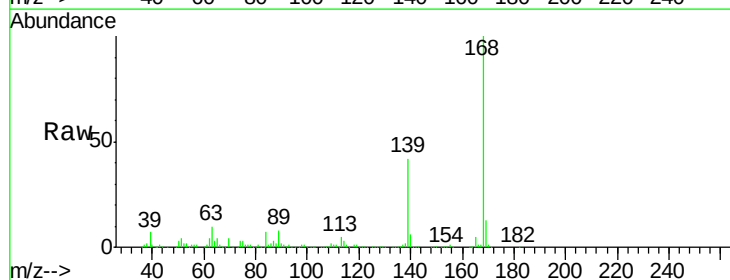
Tgt Ion:139 Resp: 344098

Ion Ratio Lower Upper

139 100

109 4.3 34.1 74.1#

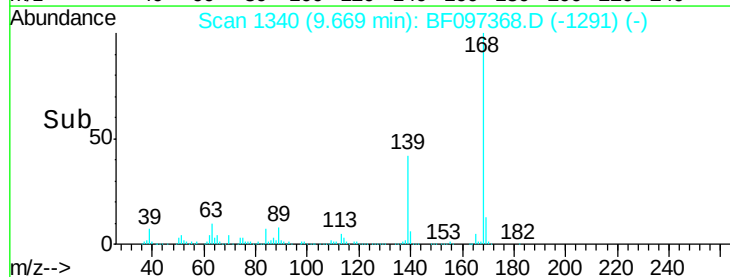
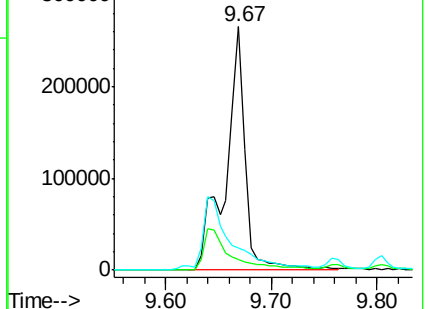
65 8.9 31.4 71.4#

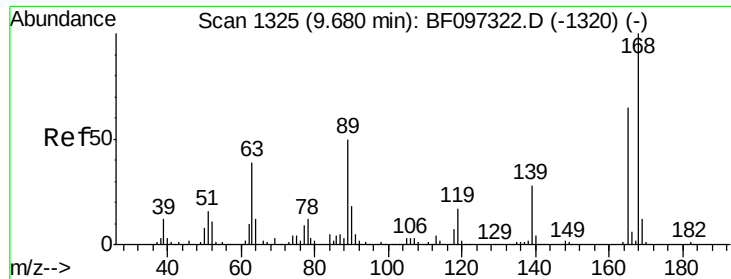


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 36.14 ng

RT: 9.68 min Scan# 1342

Delta R.T. -0.05 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

Tot Ion:165 Resp: 126676

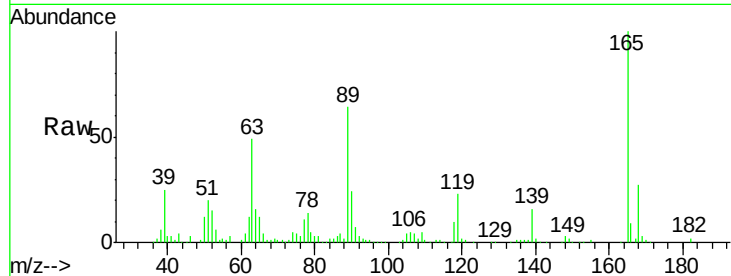
Ion Ratio Lower Upper

165 100

63 48.5 25.4 38.0#

89 64.4 46.4 69.6

182 2.0 1.8 2.6

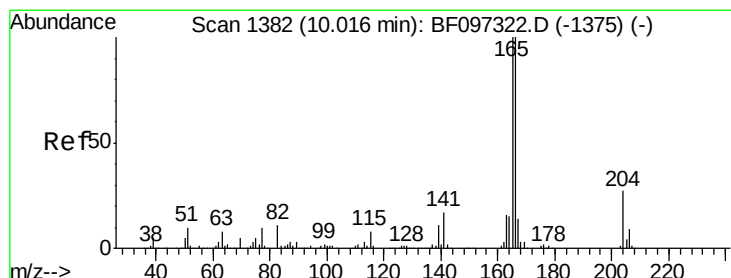
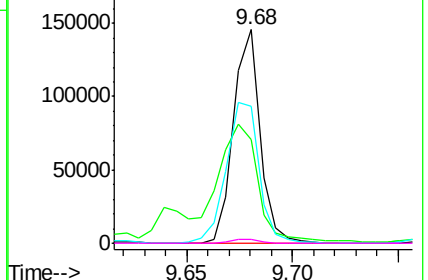
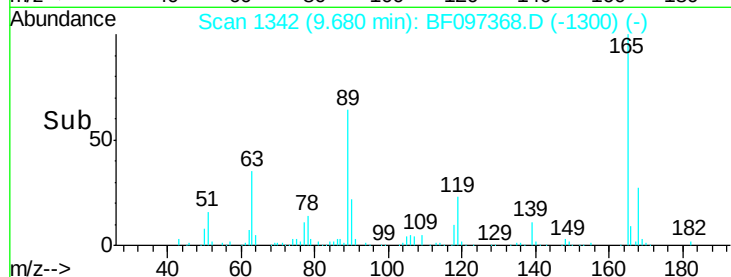


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 36.21 ng

RT: 10.01 min Scan# 1398

Delta R.T. -0.07 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

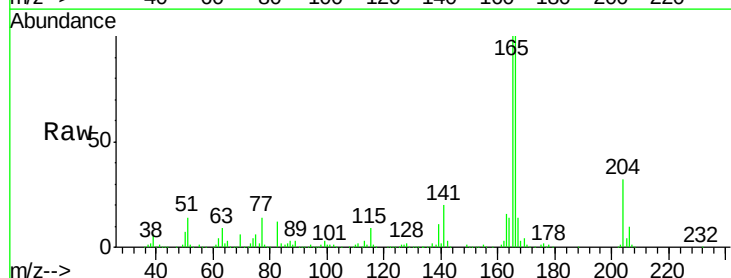
Tgt Ion:166 Resp: 389970

Ion Ratio Lower Upper

166 100

165 100.0 78.8 118.2

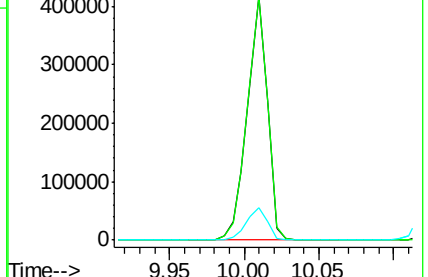
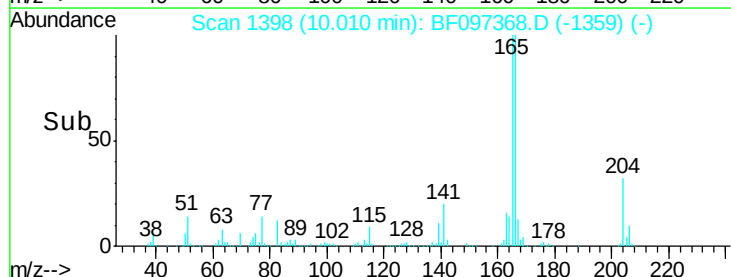
167 13.5 10.6 16.0

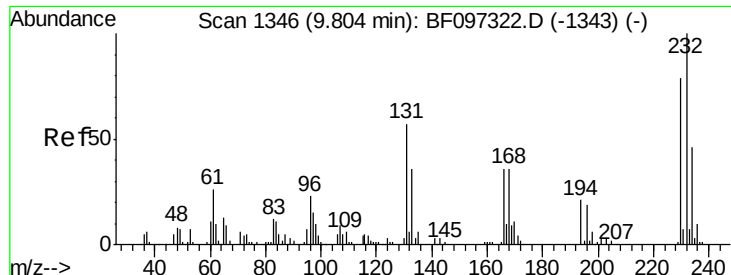


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

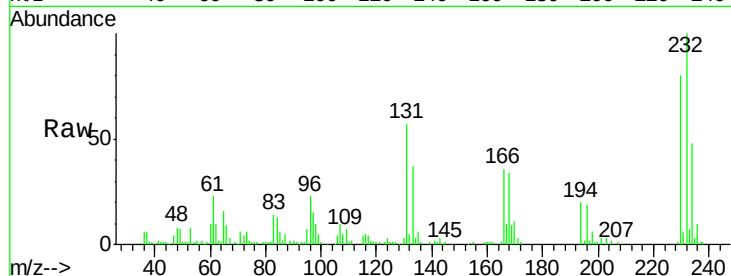




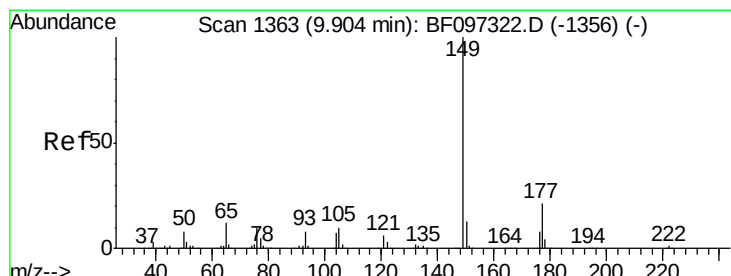
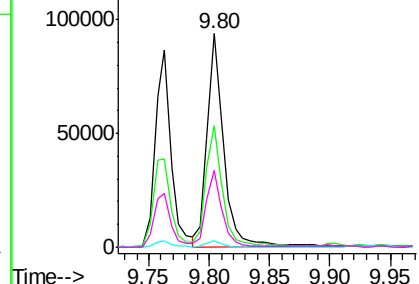
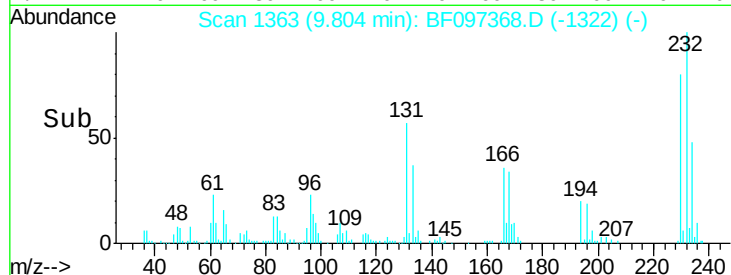
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 35.54 ng
 RT: 9.80 min Scan# 1363
 Delta R.T. -0.06 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILEMS

Tot Ion:	232	Resp:	89902
Ion	Ratio	Lower	Upper
232	100		
131	56.2	44.8	67.2
130	3.0	2.3	3.5
166	34.1	29.0	43.4

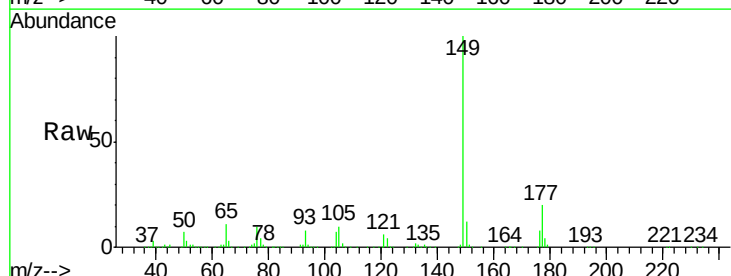


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

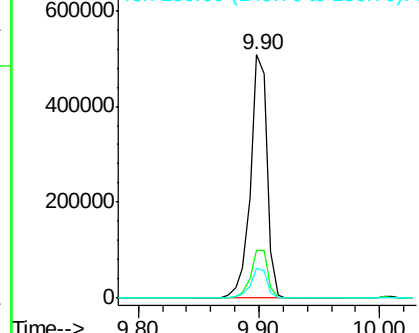
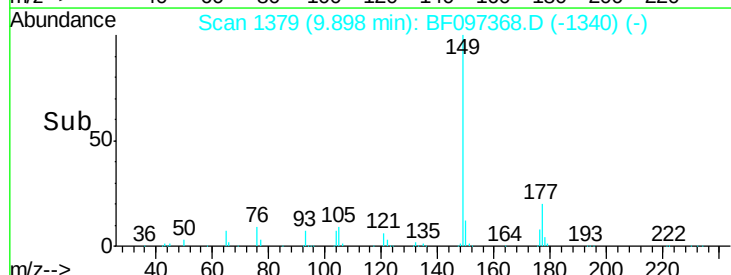


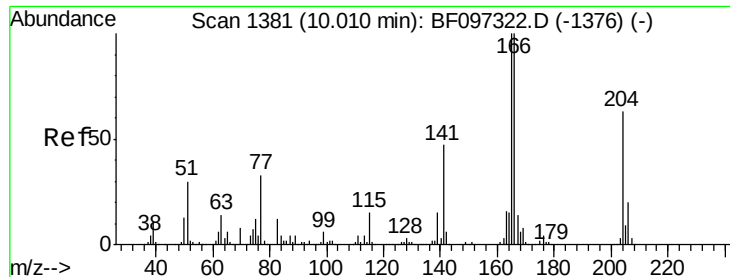
#59
 Diethylphthalate
 Concen: 37.04 ng
 RT: 9.90 min Scan# 1379
 Delta R.T. -0.07 min
 Lab File: BF097368.D
 Acq: 4 Aug 2017 21:03

Tgt Ion:	149	Resp:	488459
Ion	Ratio	Lower	Upper
149	100		
177	19.9	16.7	25.1
150	12.2	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

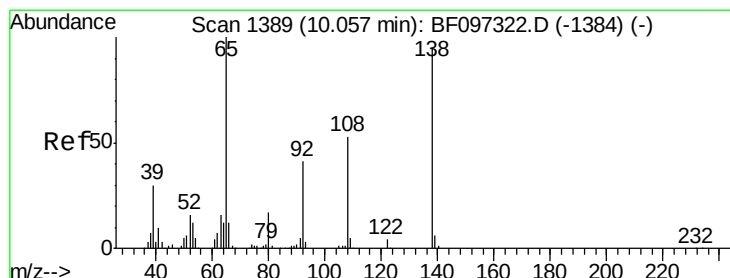
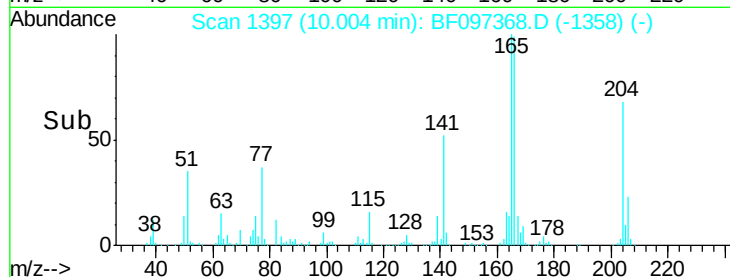
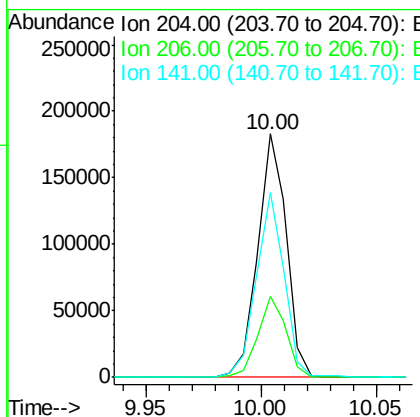
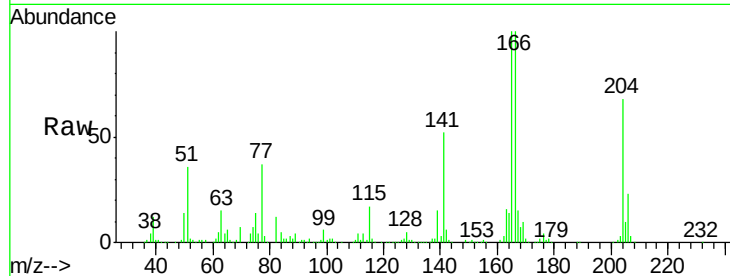




#60
4-Chlorophenyl-phenylether
Concen: 35.67 ng
RT: 10.00 min Scan# 1397
Delta R.T. -0.07 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

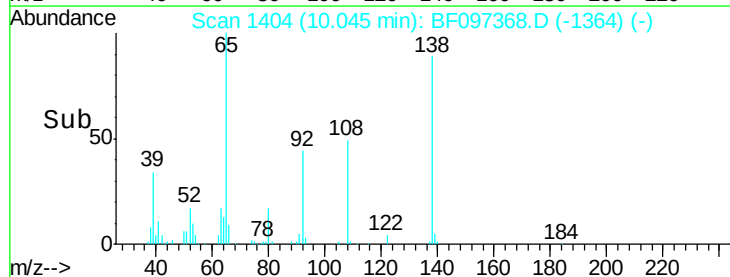
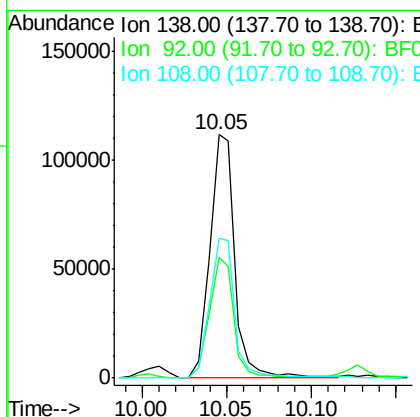
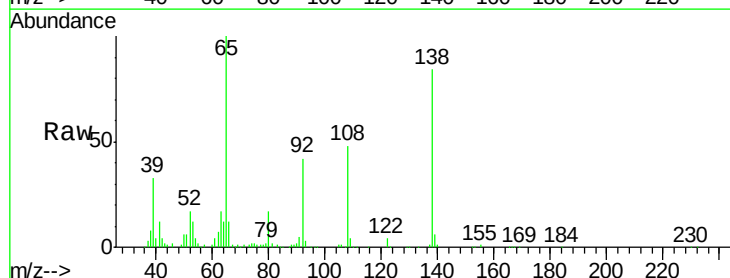
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

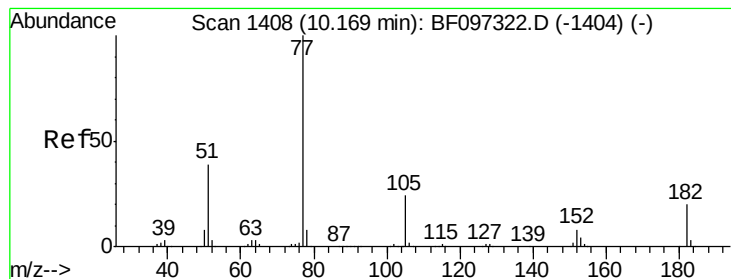
Tot Ion:204 Resp: 158616
Ion Ratio Lower Upper
204 100
206 33.3 26.2 39.2
141 76.0 60.8 91.2



#61
4-Nitroaniline
Concen: 31.81 ng
RT: 10.05 min Scan# 1404
Delta R.T. -0.06 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion:138 Resp: 114399
Ion Ratio Lower Upper
138 100
92 49.7 21.8 61.8
108 57.7 42.3 82.3





#62

Azobenzene

Concen: 37.45 ng

RT: 10.16 min Scan# 1424

Delta R.T. -0.07 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

Tot Ion: 77 Resp: 458183

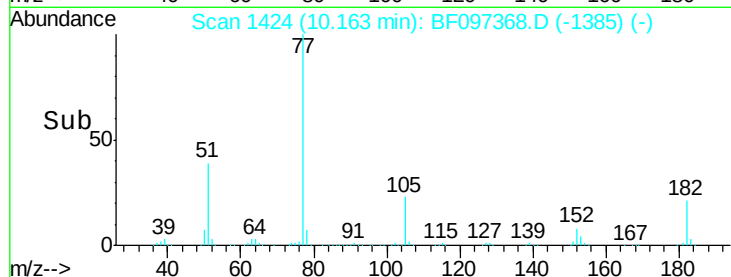
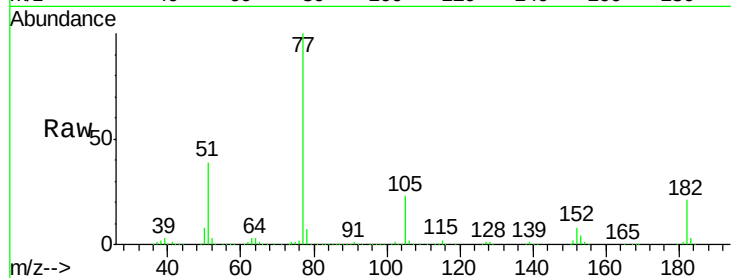
Ion Ratio Lower Upper

77 100

182 20.7 0.1 40.1

105 22.8 3.6 43.6

51 38.9 9.4 49.4

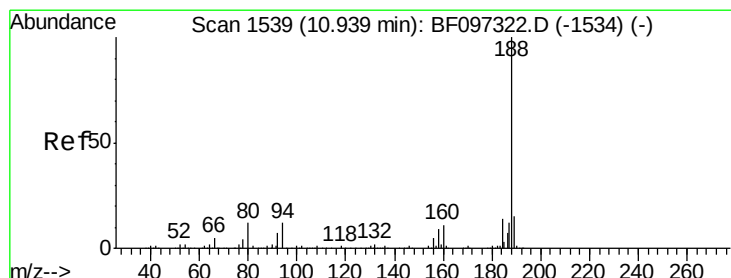
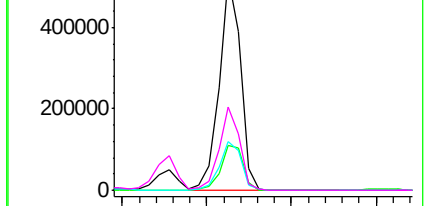


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.93 min Scan# 1555

Delta R.T. -0.07 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

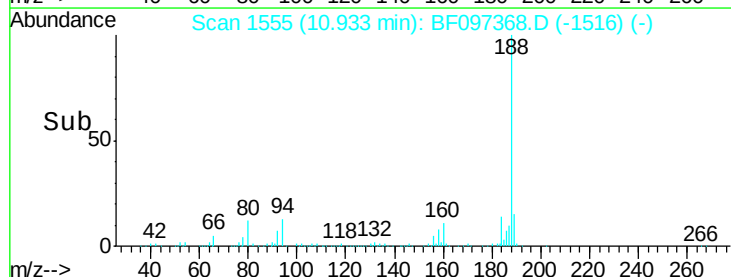
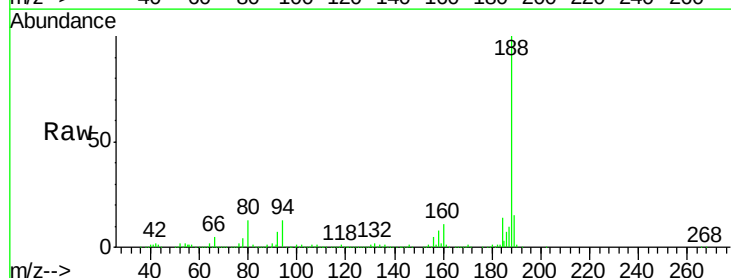
Tgt Ion: 188 Resp: 297401

Ion Ratio Lower Upper

188 100

94 12.6 9.4 14.2

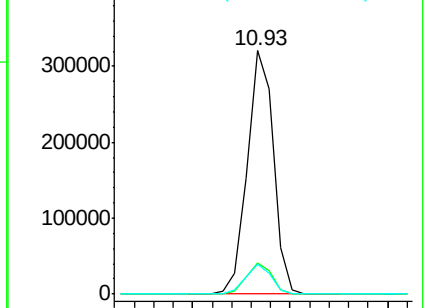
80 12.5 10.2 15.2

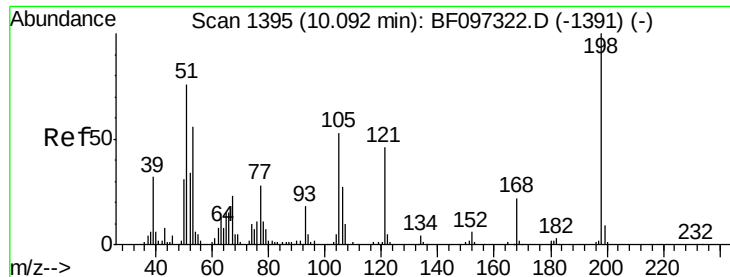


Abundance Ion 188.00 (187.70 to 188.70): BF0

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

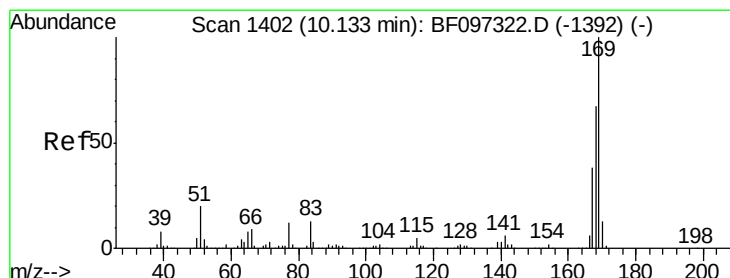
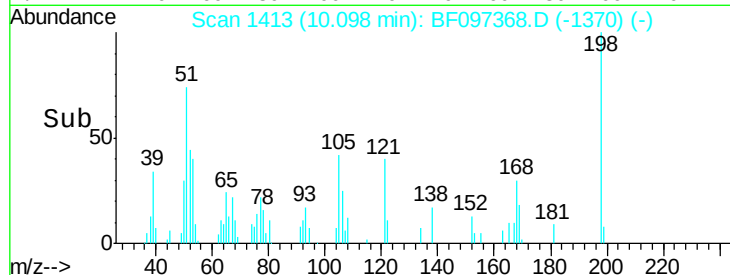
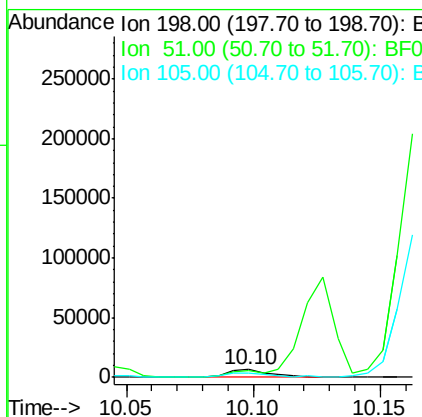
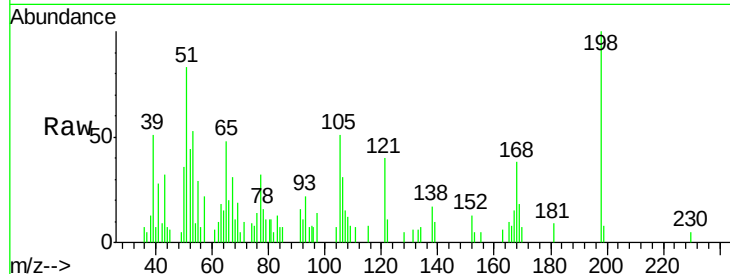




#64
4,6-Dinitro-2-methylphenol
Concen: 3.76 ng
RT: 10.10 min Scan# 1413
Delta R.T. -0.05 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

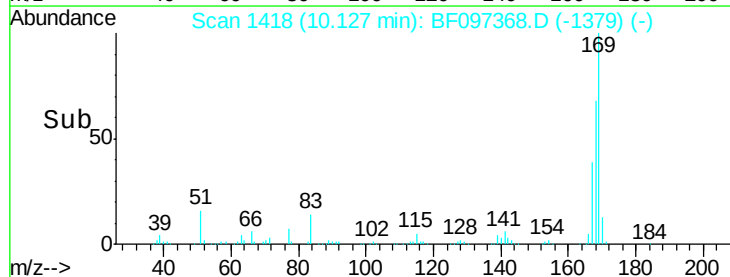
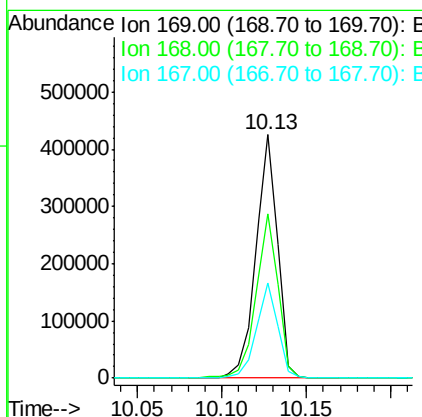
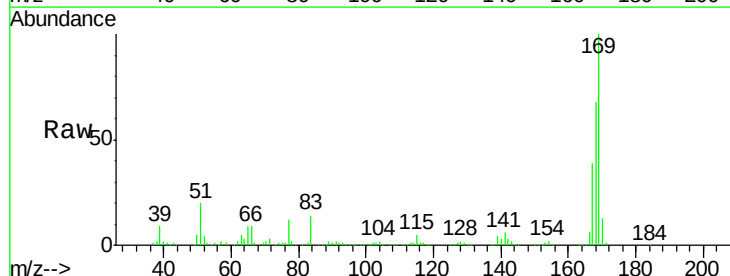
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

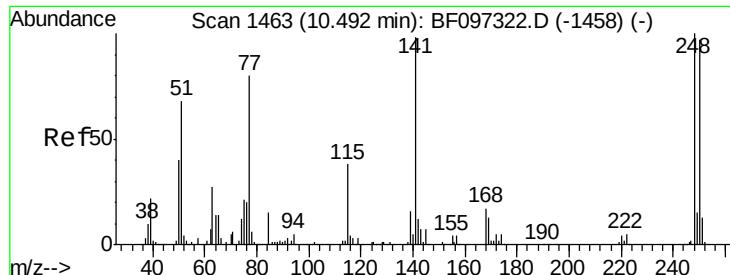
Tot Ion:198 Resp: 6944
Ion Ratio Lower Upper
198 100
51 82.8 53.2 93.2
105 51.3 45.8 85.8



#65
n-Nitrosodiphenylamine
Concen: 37.00 ng
RT: 10.13 min Scan# 1418
Delta R.T. -0.07 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion:169 Resp: 382850
Ion Ratio Lower Upper
169 100
168 67.6 53.2 79.8
167 38.9 29.5 44.3

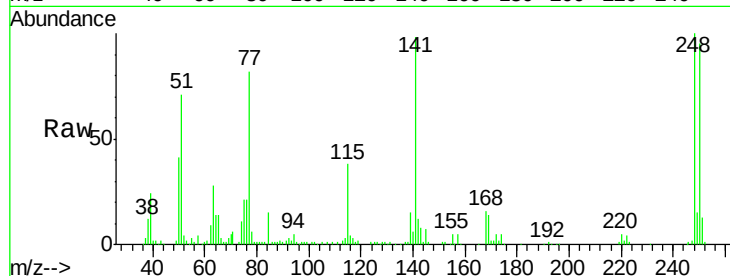




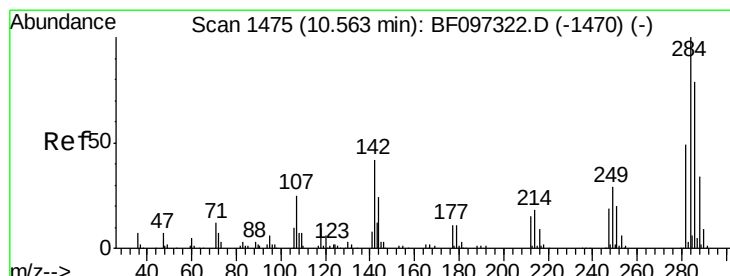
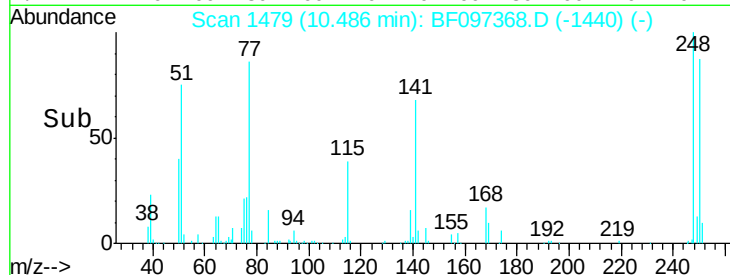
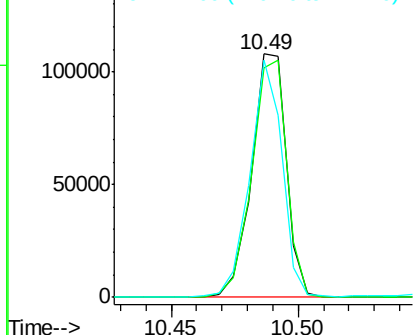
#66
4-Bromophenyl-phenylether
Concen: 34.77 ng
RT: 10.49 min Scan# 1479
Delta R.T. -0.07 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

Tot Ion:248 Resp: 103189
Ion Ratio Lower Upper
248 100
250 94.5 76.8 115.2
141 97.6 68.6 103.0

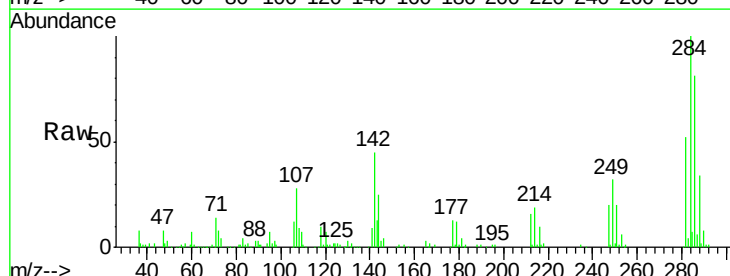


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

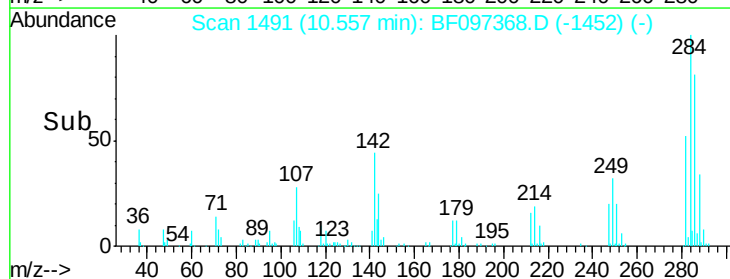
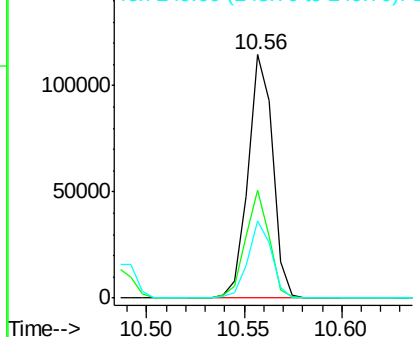


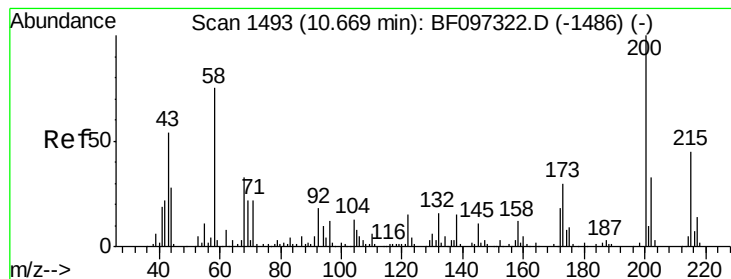
#67
Hexachlorobenzene
Concen: 30.23 ng
RT: 10.56 min Scan# 1491
Delta R.T. -0.07 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion:284 Resp: 100610
Ion Ratio Lower Upper
284 100
142 44.6 22.8 34.2#
249 31.6 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: 36.88 ng

RT: 10.66 min Scan# 1509

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

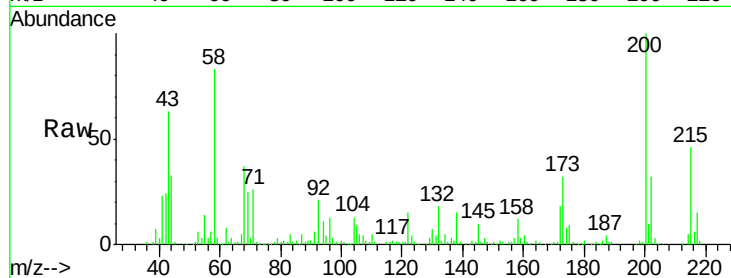
Tot Ion:200 Resp: 109426

Ion Ratio Lower Upper

200 100

173 31.7 6.3 46.3

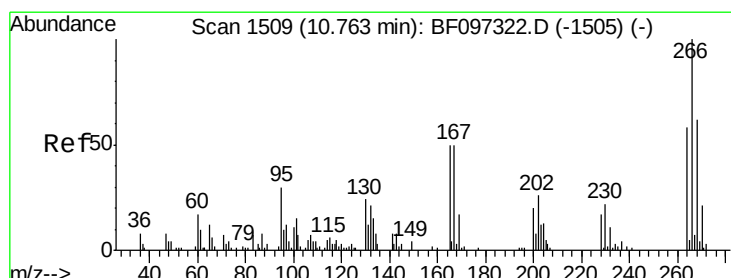
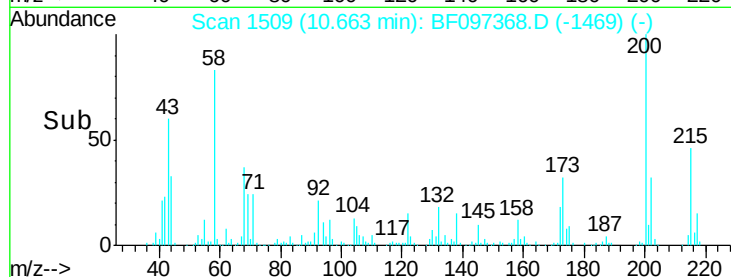
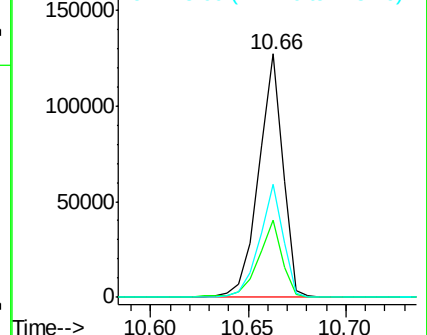
215 46.3 27.2 67.2



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#69

Pentachlorophenol

Concen: 43.33 ng

RT: 10.76 min Scan# 1526

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

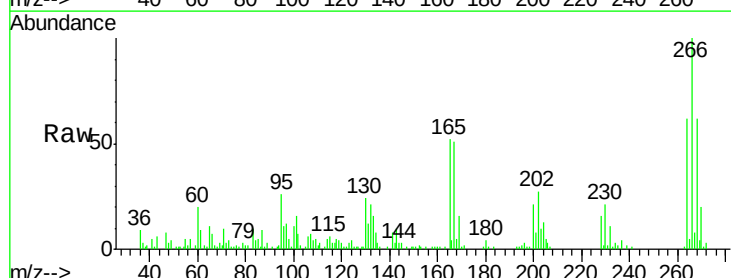
Tgt Ion:266 Resp: 59664

Ion Ratio Lower Upper

266 100

268 62.0 51.1 76.7

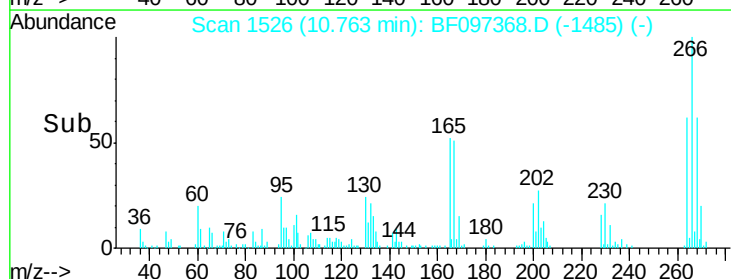
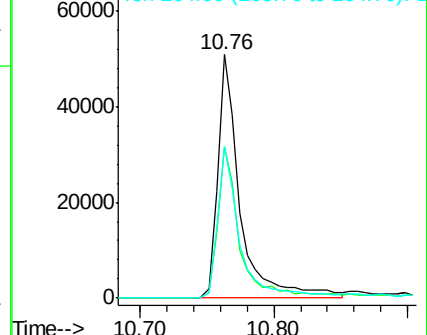
264 62.3 51.7 77.5

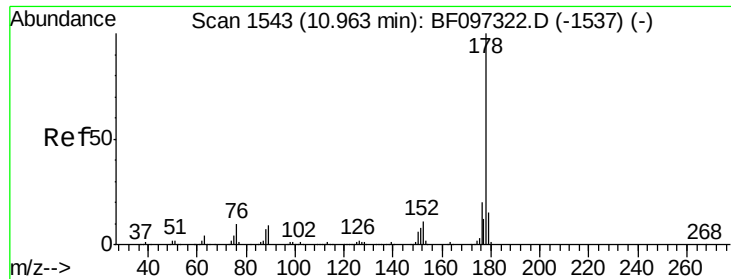


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 35.04 ng

RT: 10.96 min Scan# 1559

Delta R.T. -0.07 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

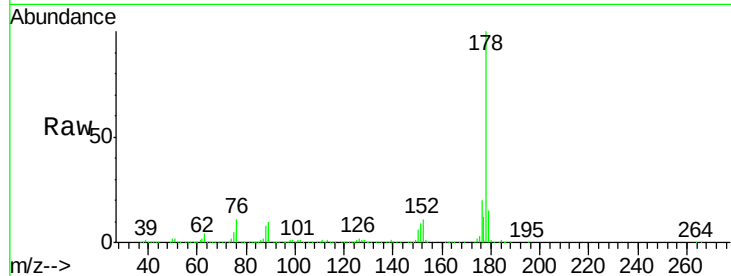
Tot Ion:178 Resp: 558321

Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.4

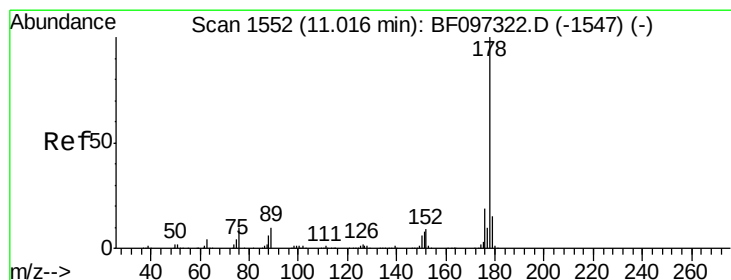
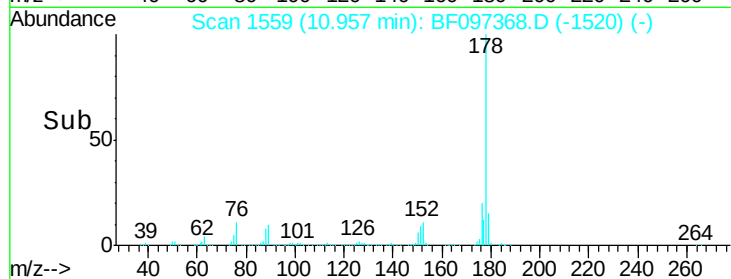
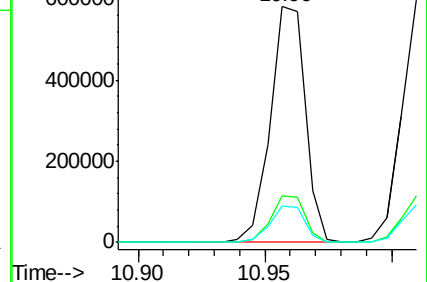
179 15.3 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 33.81 ng

RT: 11.01 min Scan# 1568

Delta R.T. -0.07 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

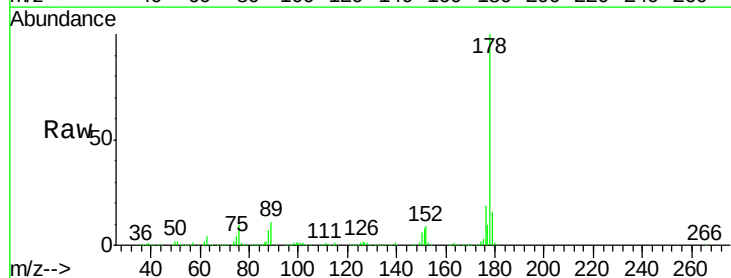
Tgt Ion:178 Resp: 551750

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

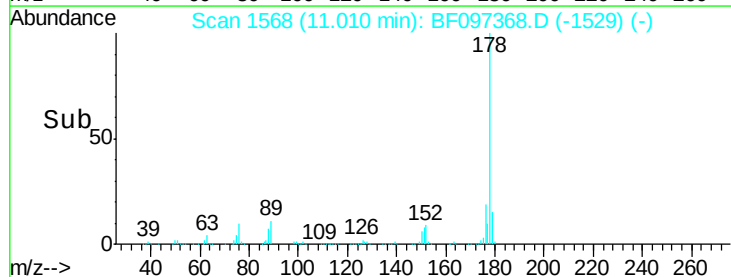
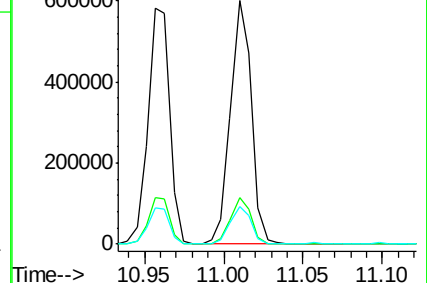
179 15.5 12.7 19.1

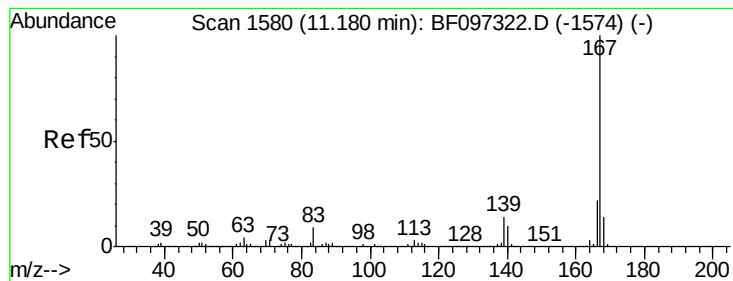


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 33.66 ng

RT: 11.17 min Scan# 1596

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

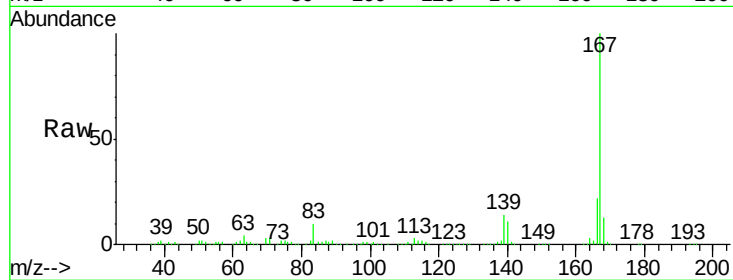
Tot Ion:167 Resp: 540333

Ion Ratio Lower Upper

167 100

166 21.6 18.1 27.1

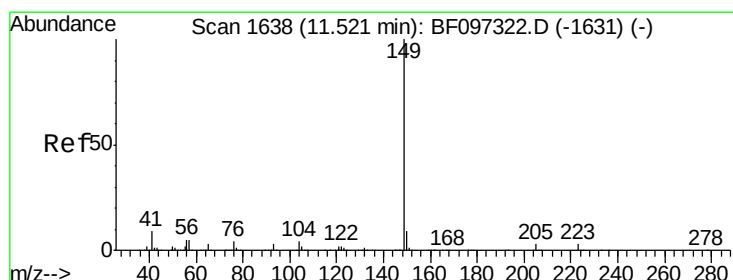
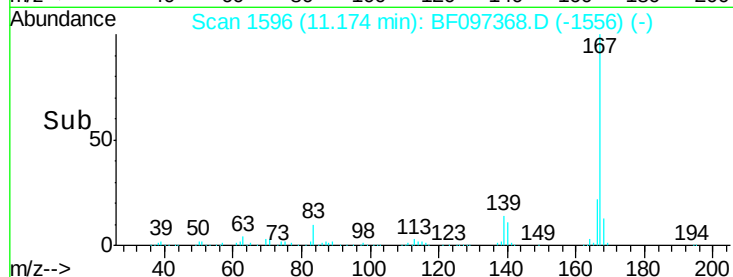
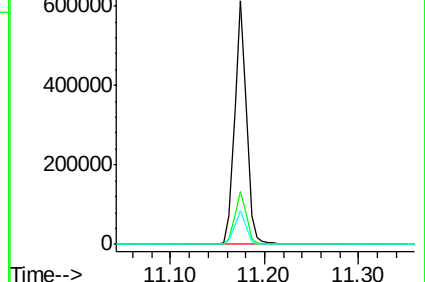
139 14.1 11.7 17.5



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: 34.30 ng

RT: 11.52 min Scan# 1654

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

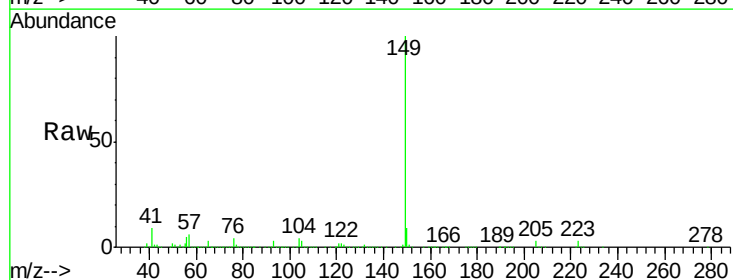
Tgt Ion:149 Resp: 680573

Ion Ratio Lower Upper

149 100

150 9.1 7.7 11.5

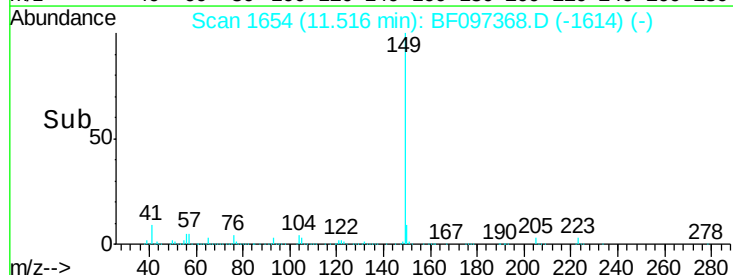
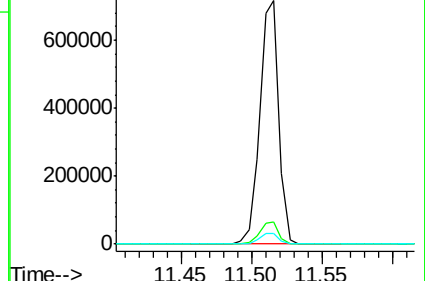
104 4.4 4.0 6.0

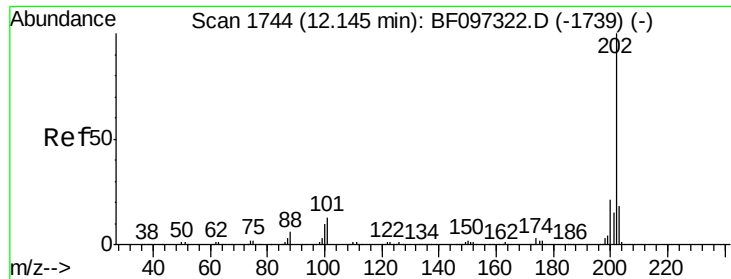


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 32.15 ng

RT: 12.14 min Scan# 1760

Delta R.T. -0.07 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

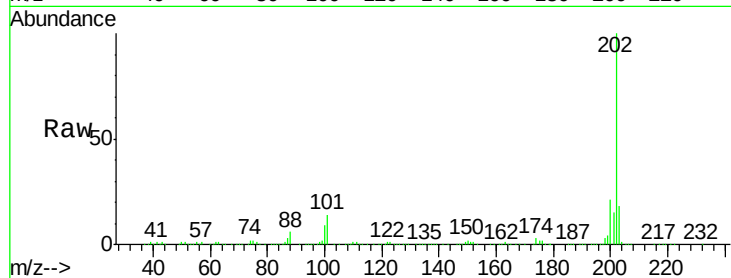
Tot Ion:202 Resp: 501898

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.2

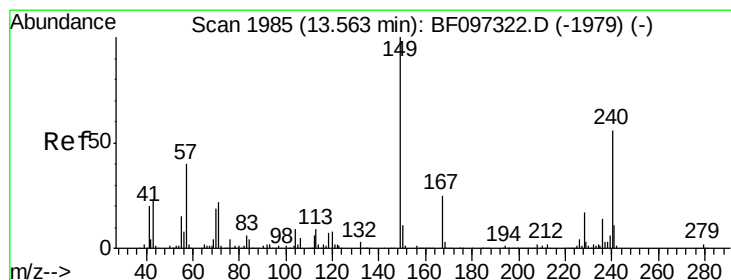
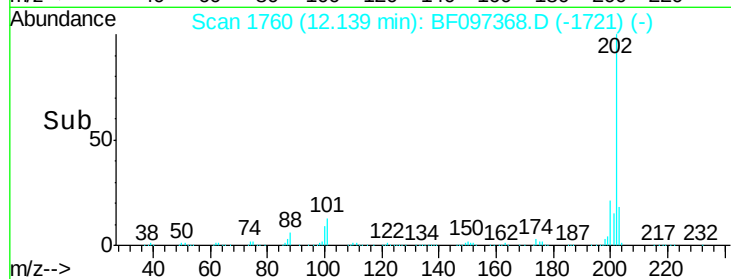
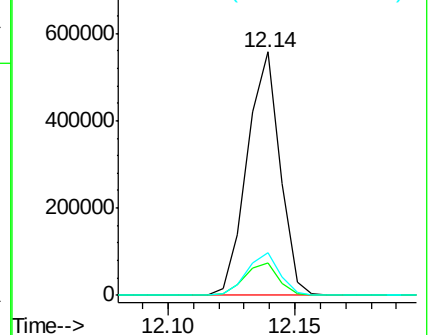
203 17.7 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.56 min Scan# 2001

Delta R.T. -0.07 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

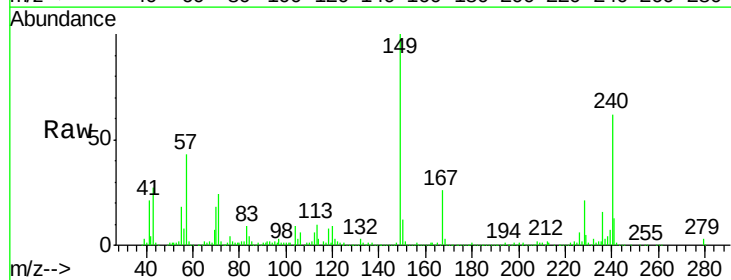
Tgt Ion:240 Resp: 171192

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

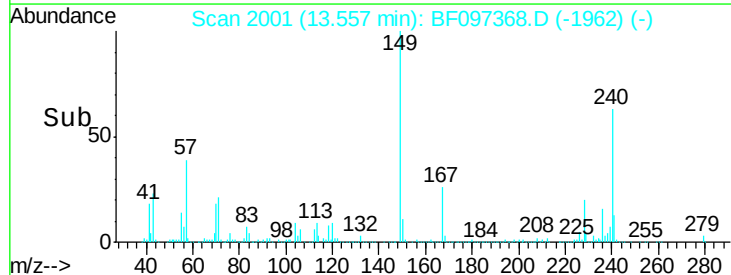
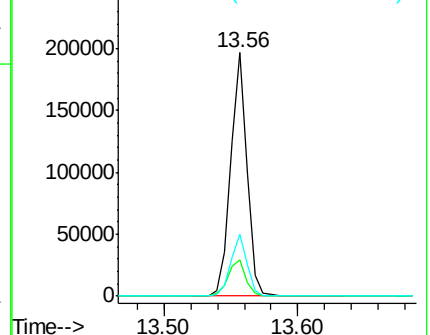
236 25.4 20.5 30.7

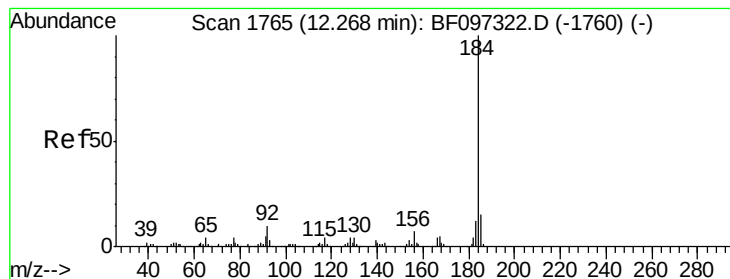


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 14.23 ng

RT: 12.27 min Scan# 1782

Delta R.T. -0.06 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

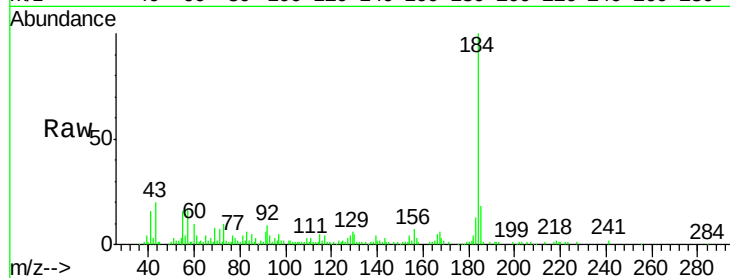
Tot Ion:184 Resp: 90381

Ion Ratio Lower Upper

184 100

185 17.6 15.5 23.3

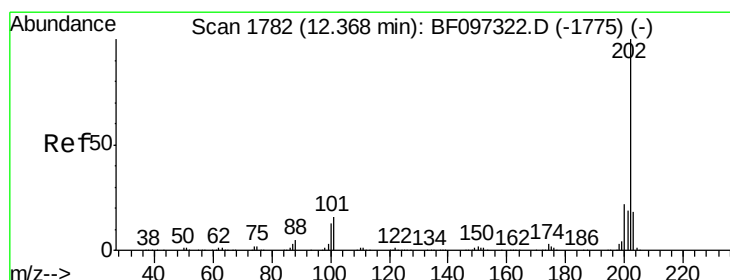
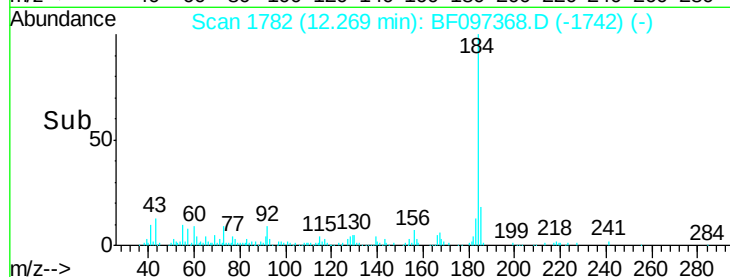
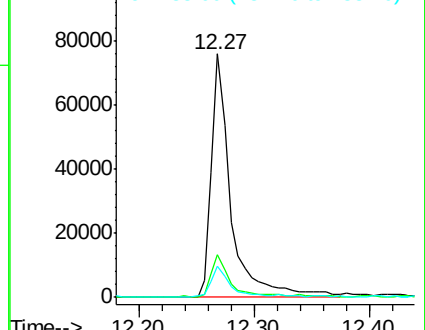
183 12.6 9.8 14.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 35.16 ng

RT: 12.36 min Scan# 1798

Delta R.T. -0.07 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

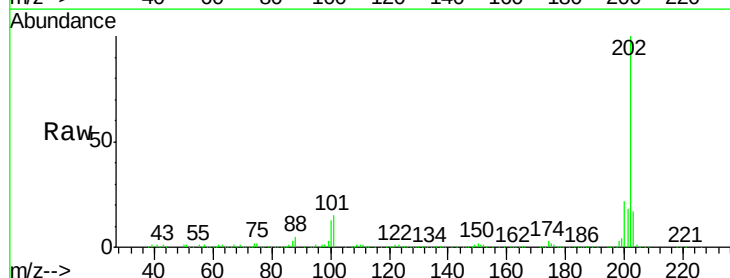
Tgt Ion:202 Resp: 492794

Ion Ratio Lower Upper

202 100

200 21.9 17.6 26.4

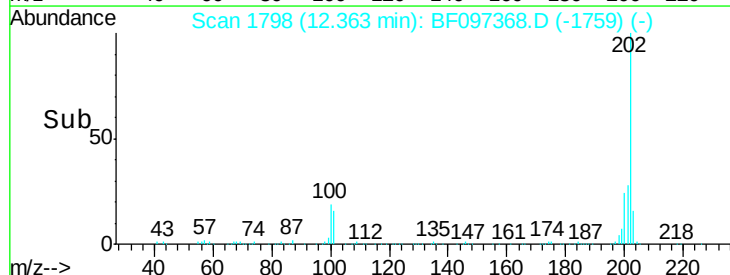
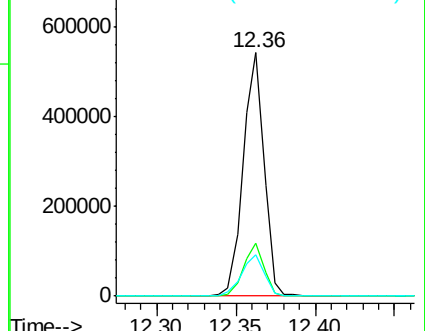
203 17.3 14.4 21.6

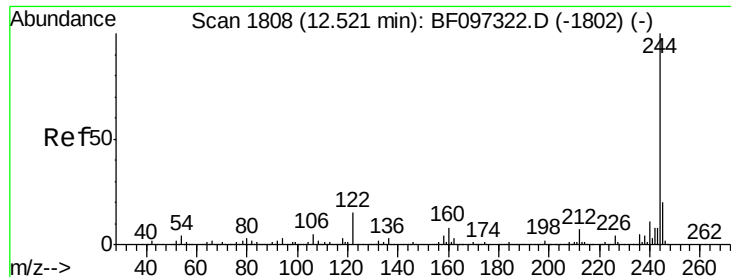


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 54.13 ng

RT: 12.52 min Scan# 1824

Delta R.T. -0.07 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

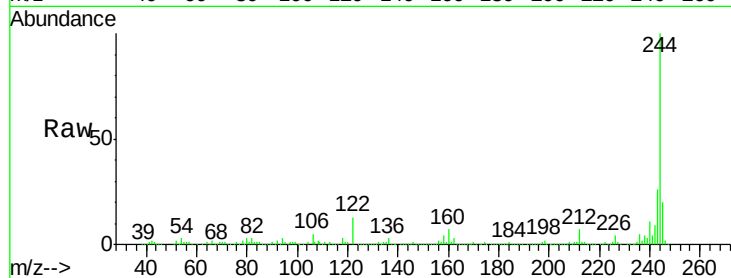
Tot Ion:244 Resp: 454486

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

122 13.4 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

600000

500000

400000

300000

200000

100000

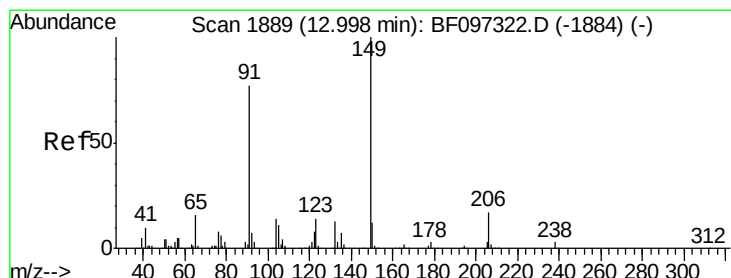
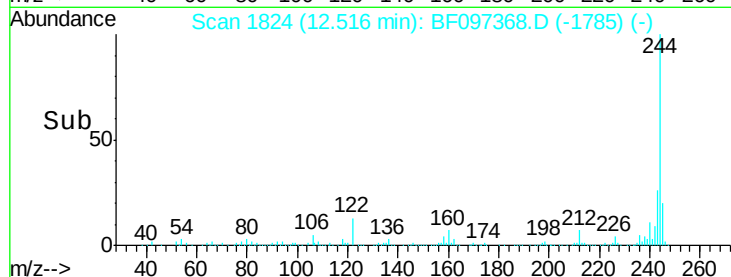
0

12.52

12.50

12.60

Time-->



#79

Butylbenzylphthalate

Concen: 32.03 ng

RT: 12.99 min Scan# 1905

Delta R.T. -0.08 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

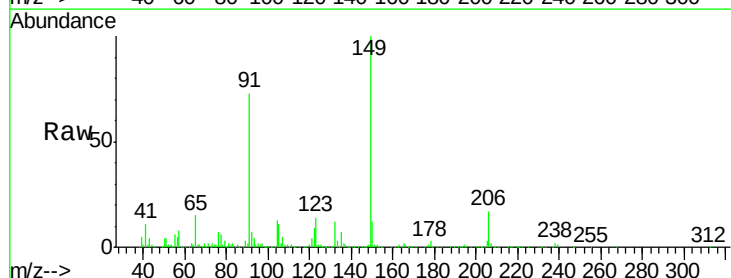
Tgt Ion:149 Resp: 228317

Ion Ratio Lower Upper

149 100

91 72.9 45.0 67.4#

206 16.9 17.0 25.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

300000

200000

100000

0

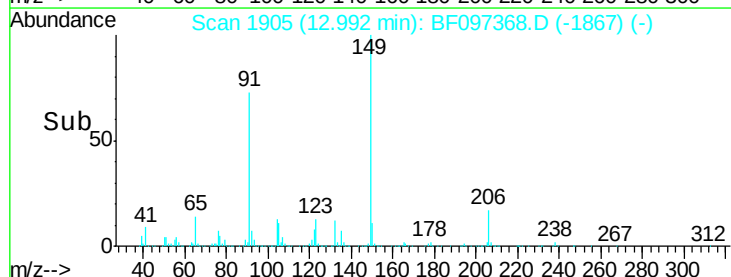
12.99

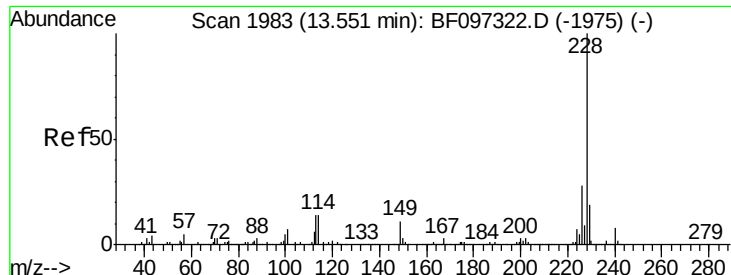
12.95

13.00

13.05

Time-->





#80

Benzo(a)anthracene

Concen: 33.37 ng

RT: 13.54 min Scan# 1999

Delta R.T. -0.07 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

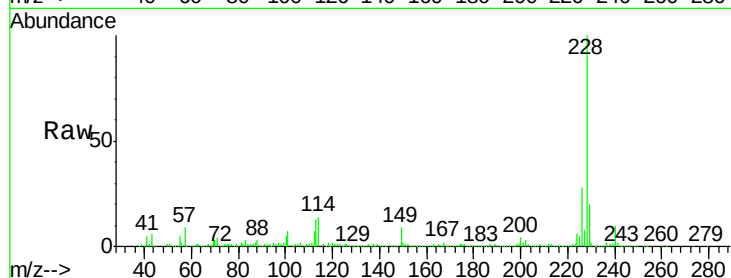
Tot Ion:228 Resp: 369658

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

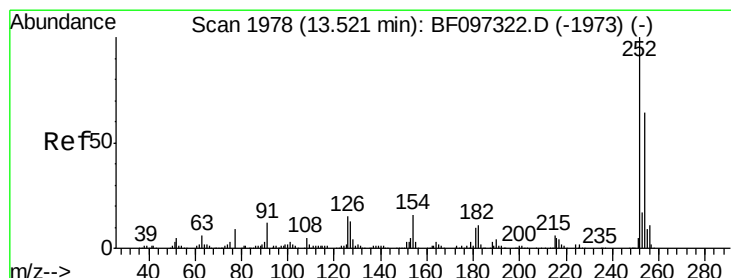
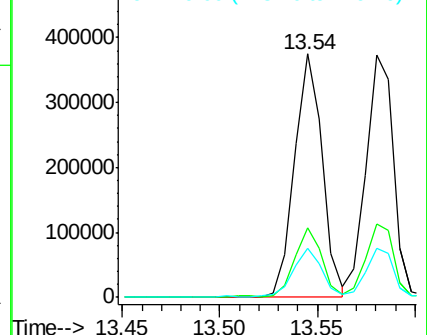
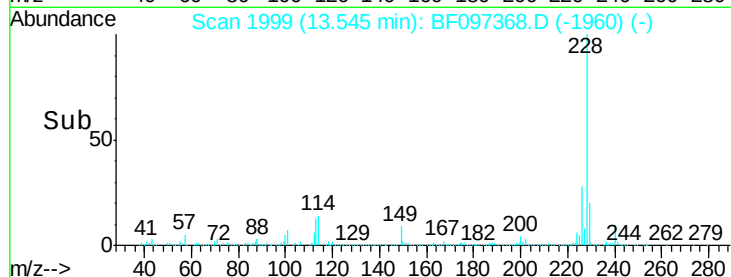
229 20.4 16.3 24.5



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



#81

3,3'-Dichlorobenzidine

Concen: 25.49 ng

RT: 13.52 min Scan# 1994

Delta R.T. -0.07 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

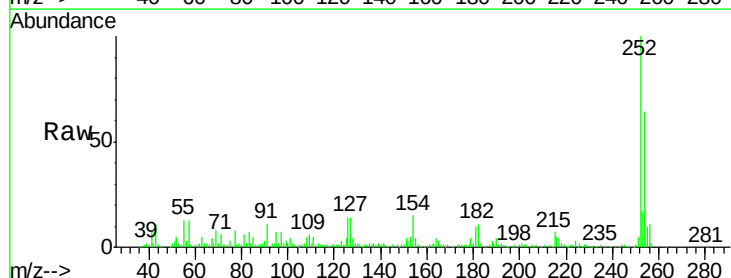
Tgt Ion:252 Resp: 106492

Ion Ratio Lower Upper

252 100

254 64.4 51.5 77.3

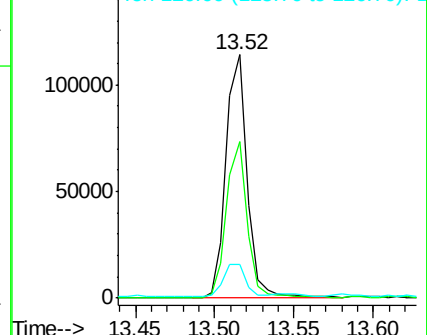
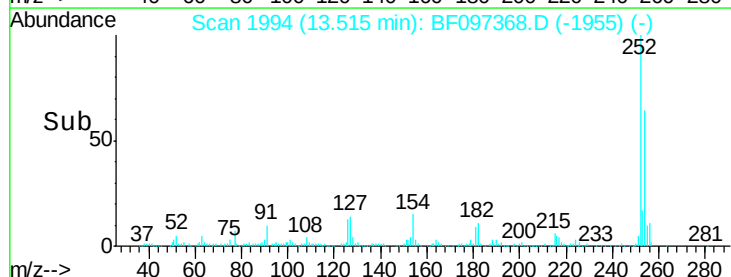
126 13.7 15.8 23.8#

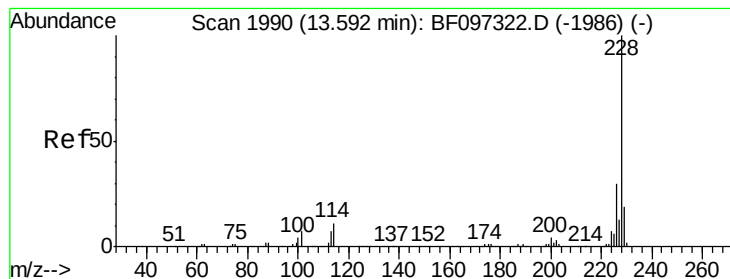


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 33.47 ng

RT: 13.58 min Scan# 2005

Delta R.T. -0.08 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

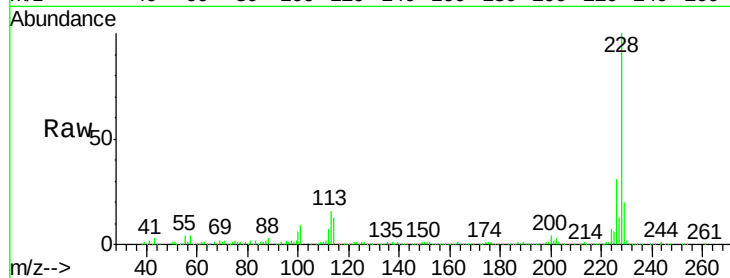
Tot Ion:228 Resp: 362047

Ion Ratio Lower Upper

228 100

226 30.5 24.9 37.3

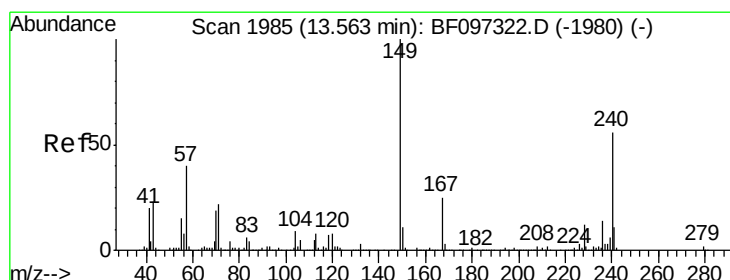
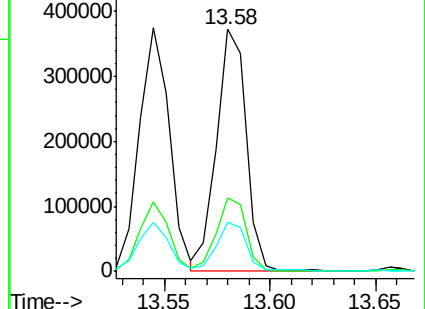
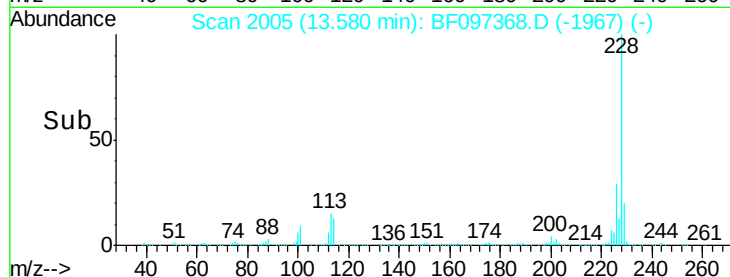
229 20.4 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 31.78 ng

RT: 13.56 min Scan# 2001

Delta R.T. -0.08 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

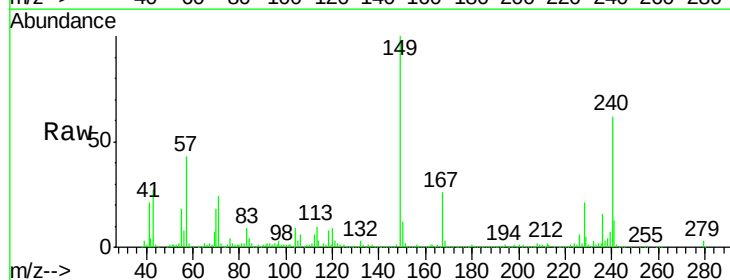
Tgt Ion:149 Resp: 295769

Ion Ratio Lower Upper

149 100

167 26.1 21.0 31.4

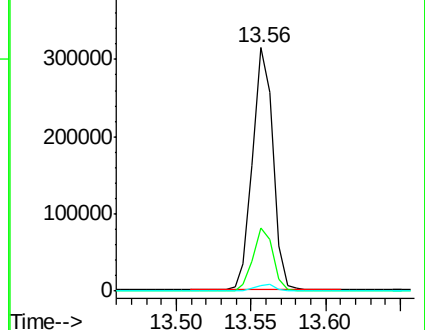
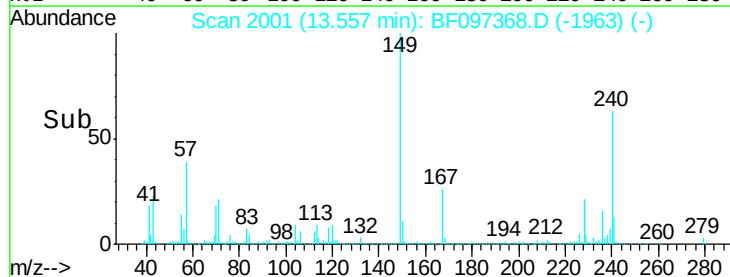
279 2.5 1.9 2.9

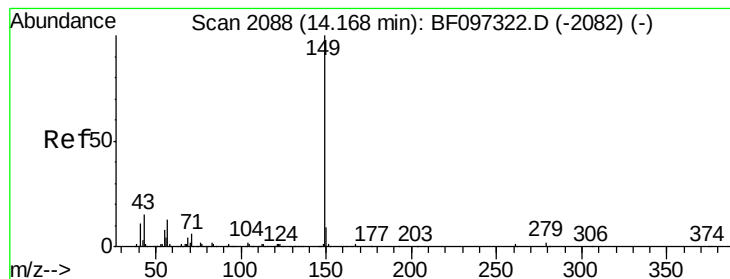


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 30.26 ng

RT: 14.16 min Scan# 2104

Delta R.T. -0.08 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

GRAVEL-PILEMS

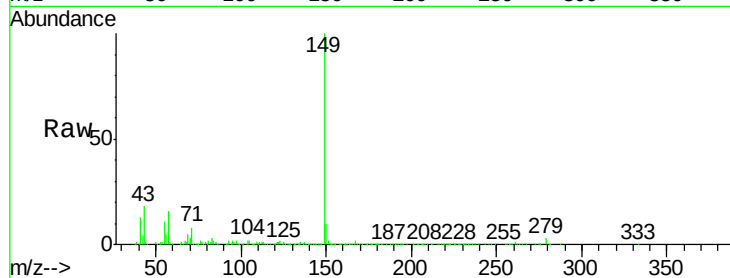
Tot Ion:149 Resp: 516874

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

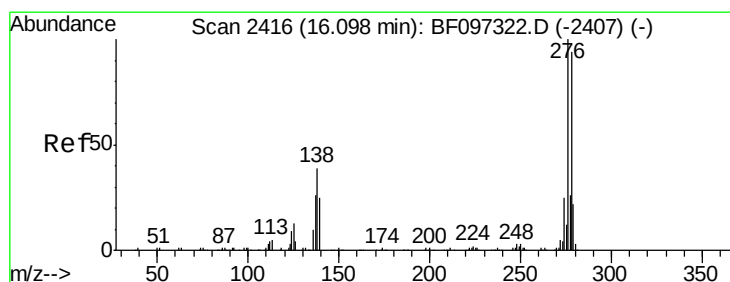
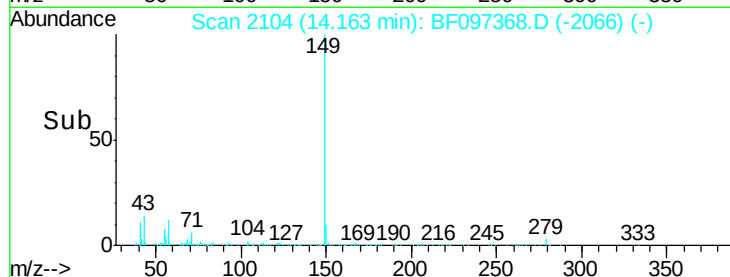
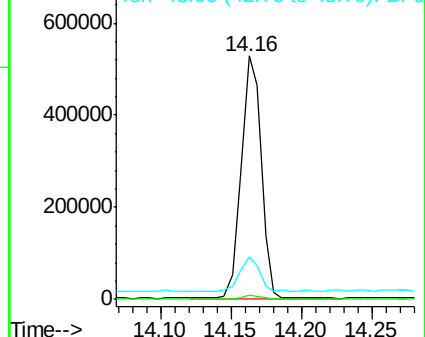
43 14.4 8.5 12.7#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 28.88 ng

RT: 16.10 min Scan# 2433

Delta R.T. -0.11 min

Lab File: BF097368.D

Acq: 4 Aug 2017 21:03

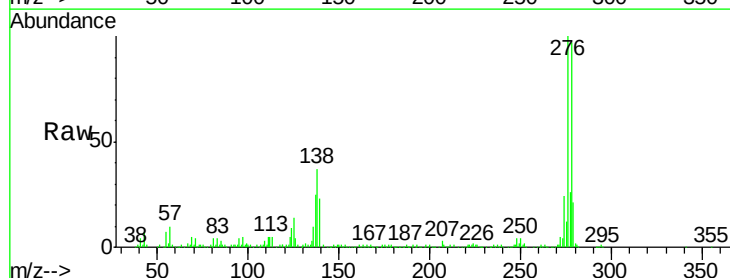
Tgt Ion:276 Resp: 267857

Ion Ratio Lower Upper

276 100

138 36.2 27.8 41.6

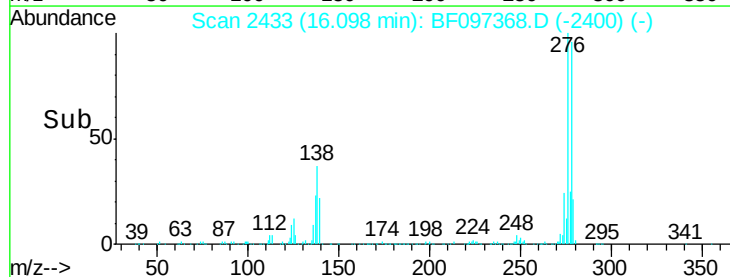
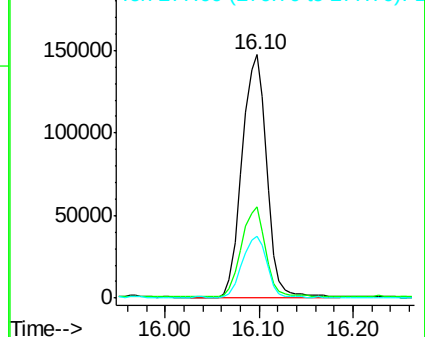
277 25.9 20.2 30.4

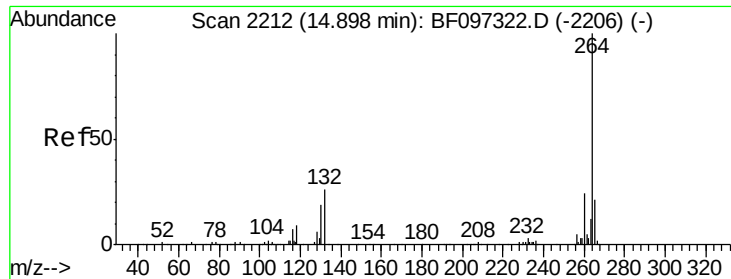


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

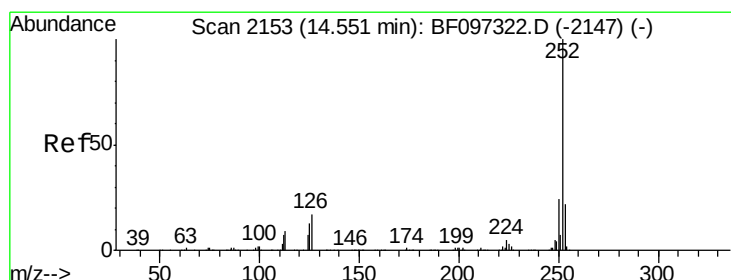
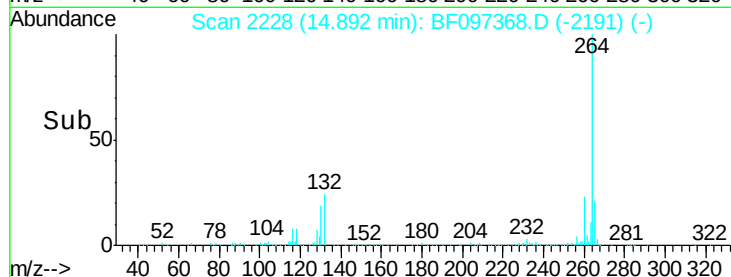
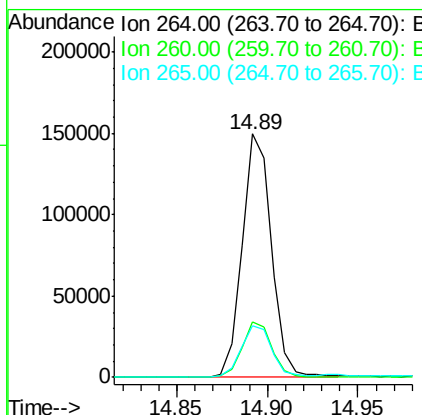
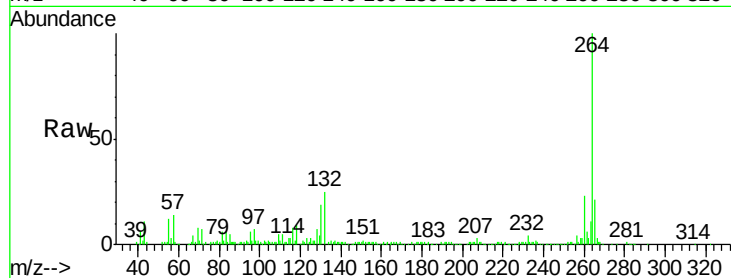




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.89 min Scan# 2228
Delta R.T. -0.08 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

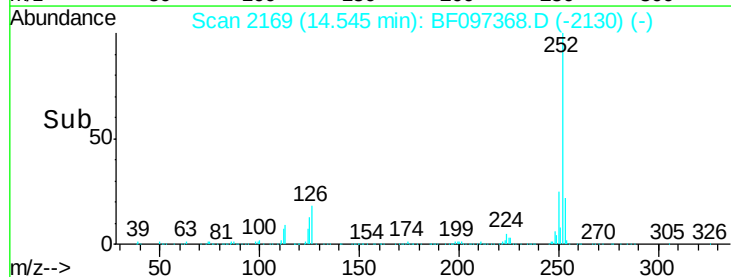
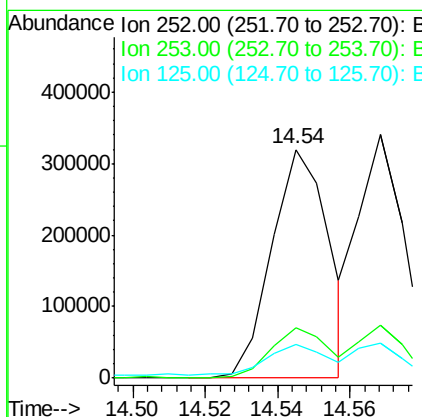
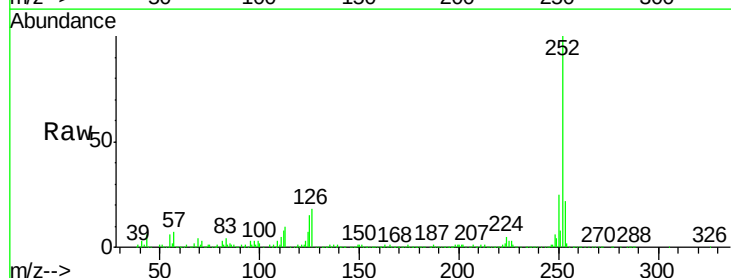
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

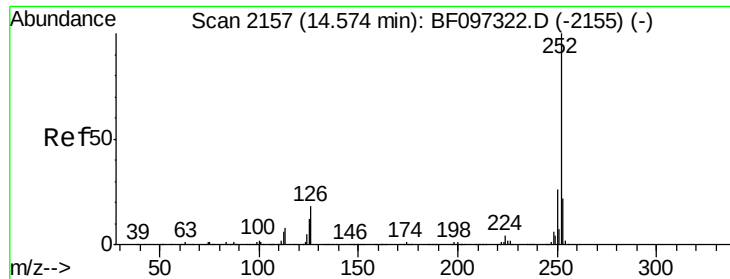
Tot Ion:264 Resp: 167914
Ion Ratio Lower Upper
264 100
260 22.9 19.5 29.3
265 21.4 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 34.65 ng
RT: 14.54 min Scan# 2169
Delta R.T. -0.07 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion:252 Resp: 349776
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 14.6 9.8 14.8

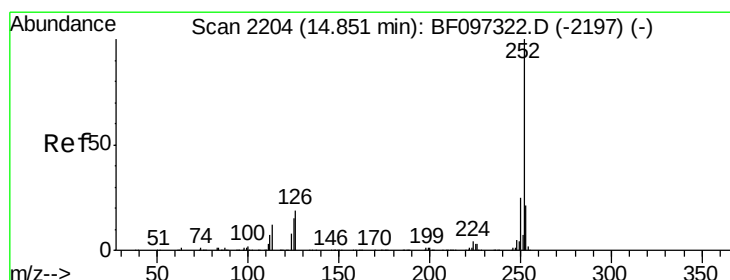
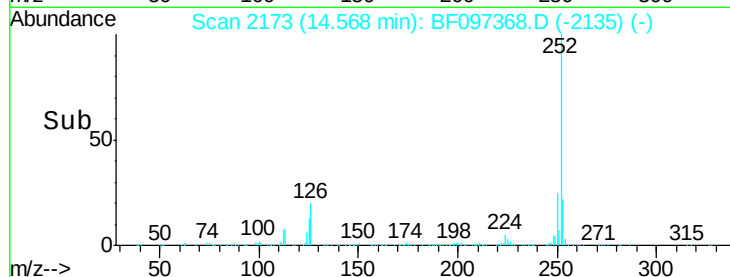
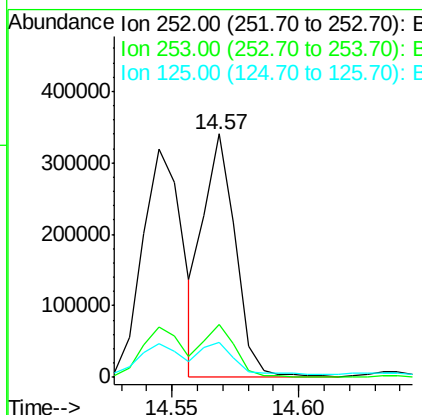
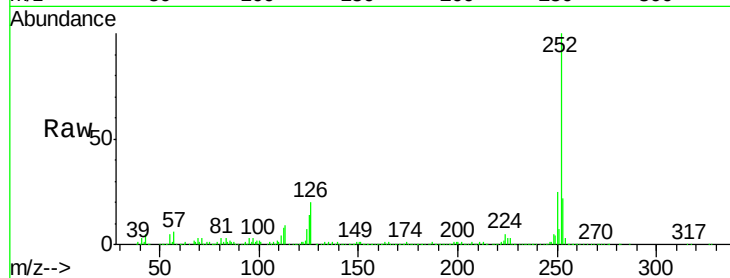




#88
Benzo(k)fluoranthene
Concen: 30.77 ng
RT: 14.57 min Scan# 2173
Delta R.T. -0.08 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

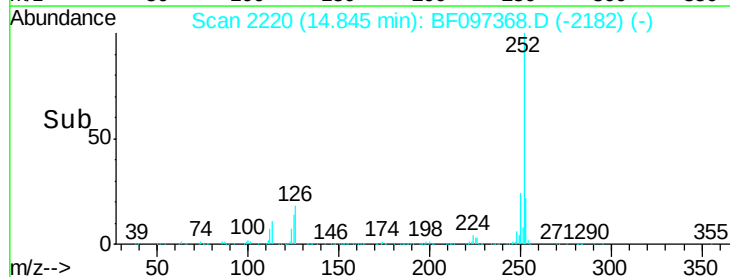
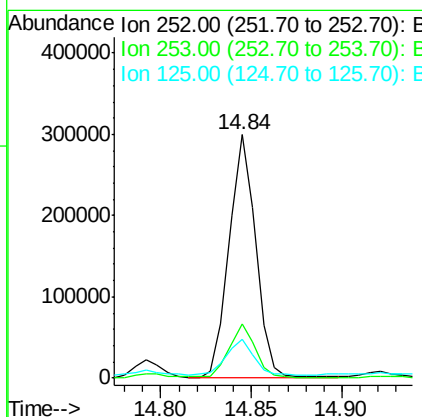
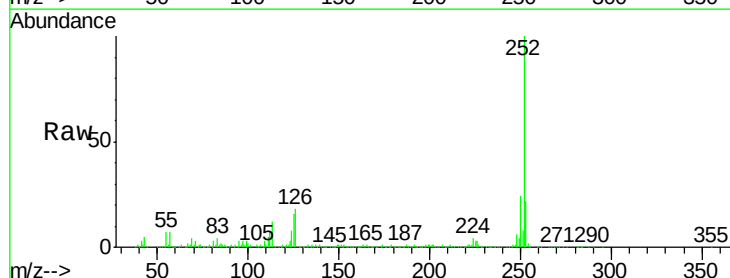
Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

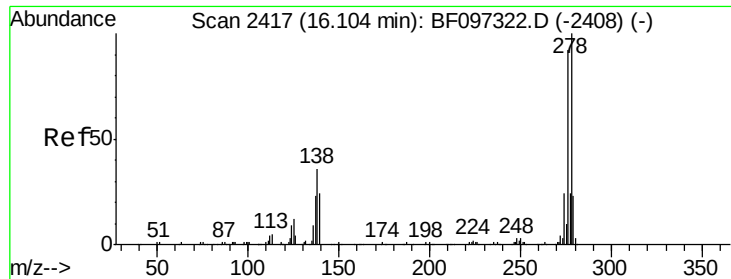
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.4	27.6
125	14.3	13.1	19.7



#89
Benzo(a)pyrene
Concen: 33.41 ng
RT: 14.84 min Scan# 2220
Delta R.T. -0.08 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

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

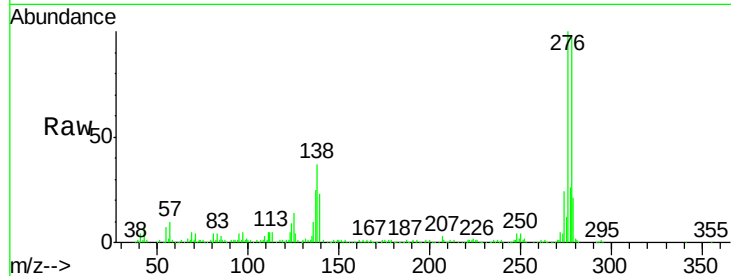




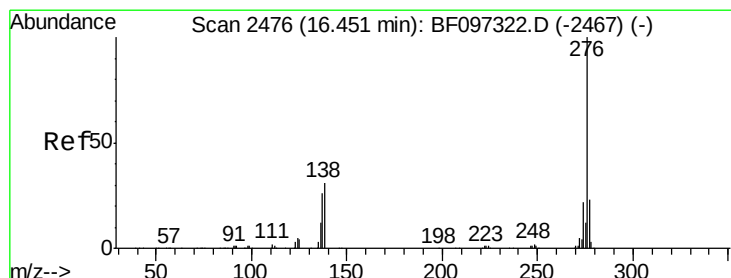
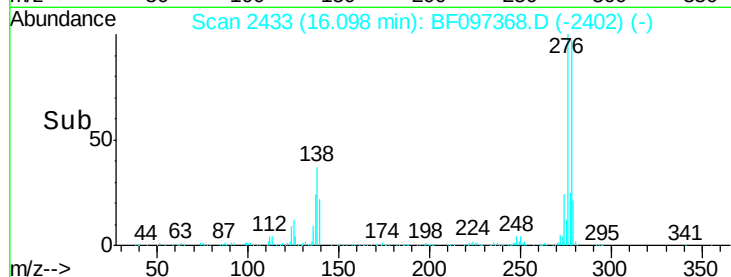
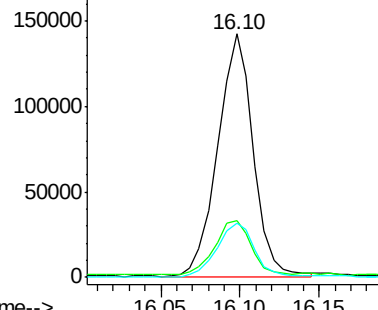
#90
Dibenzo(a,h)anthracene
Concen: 29.01 ng
RT: 16.10 min Scan# 2433
Delta R.T. -0.12 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILEMS

Tot Ion:278 Resp: 219746
Ion Ratio Lower Upper
278 100
139 23.5 16.6 24.8
279 22.1 19.3 28.9

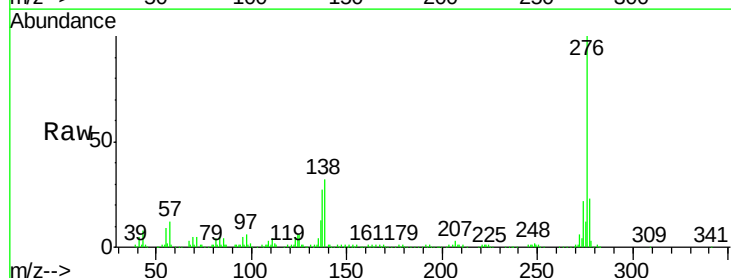


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 27.78 ng
RT: 16.44 min Scan# 2492
Delta R.T. -0.12 min
Lab File: BF097368.D
Acq: 4 Aug 2017 21:03

Tgt Ion:276 Resp: 220698
Ion Ratio Lower Upper
276 100
277 22.9 18.6 28.0
138 32.5 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

