

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
 Data File : BF097246.D
 Acq On : 1 Aug 2017 22:00
 Operator : SJ/JU
 Sample : I4512-01MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

Quant Time: Aug 02 03:56:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	100912	20.00	ng	-0.04
21) Naphthalene-d8	7.75	136	423631	20.00	ng	-0.04
38) Acenaphthene-d10	9.49	164	158996	20.00	ng	-0.04
63) Phenanthrene-d10	10.97	188	220576	20.00	ng	-0.04
75) Chrysene-d12	13.59	240	179288	20.00	ng	-0.04
86) Perylene-d12	14.93	264	167245	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	799280	119.40	ng	-0.02
7) Phenol-d6	6.15	99	880684	115.24	ng	-0.02
23) Nitrobenzene-d5	7.04	82	560982	77.68	ng	-0.04
41) 2,4,6-Tribromophenol	10.29	330	122091	97.19	ng	-0.04
44) 2-Fluorobiphenyl	8.83	172	791516	84.49	ng	-0.04
78) Terphenyl-d14	12.55	244	509104	57.90	ng	-0.04

Target Compounds						Qvalue
2) 1,4-Dioxane	2.03	88	112940	40.43	ng	# 77
3) Pyridine	2.63	79	304700	35.62	ng	# 63
4) n-Nitrosodimethylamine	2.59	42	184633	38.96	ng	80
6) Aniline	6.13	93	290227	30.18	ng	97
8) 2-Chlorophenol	6.26	128	264168	36.91	ng	93
9) Benzaldehyde	6.01	77	193823	42.85	ng	97
10) Phenol	6.16	94	411470	45.39	ng	93
11) bis(2-Chloroethyl)ether	6.21	93	261956	36.54	ng	89
12) 1,3-Dichlorobenzene	6.40	146	278987	36.17	ng	98
13) 1,4-Dichlorobenzene	6.48	146	304495	39.83	ng	93
14) 1,2-Dichlorobenzene	6.63	146	259612	38.89	ng	98
15) Benzyl Alcohol	6.63	79	213548	44.14	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.76	45	598317	41.61	ng	57
17) 2-Methylphenol	6.76	107	223665	40.49	ng	# 88
18) Hexachloroethane	6.97	117	110528	39.52	ng	# 81
19) n-Nitroso-di-n-propylamine	6.90	70	204983	40.75	ng	# 82
20) 3+4-Methylphenols	6.92	107	293536	40.68	ng	# 63
22) Acetophenone	6.89	105	398776	39.20	ng	96
24) Nitrobenzene	7.06	77	298684	39.71	ng	93
25) Isophorone	7.30	82	508708	35.97	ng	97
26) 2-Nitrophenol	7.37	139	146111	35.91	ng	# 87
27) 2,4-Dimethylphenol	7.43	122	255994	38.14	ng	97
28) bis(2-Chloroethoxy)methane	7.52	93	356693	38.65	ng	98
29) 2,4-Dichlorophenol	7.63	162	213956	37.00	ng	96
30) 1,2,4-Trichlorobenzene	7.70	180	201204	36.51	ng	98
31) Naphthalene	7.77	128	752232	37.67	ng	100
32) Benzoic acid	7.55	122	14247	2.84	ng	92
33) 4-Chloroaniline	7.83	127	151201	18.61	ng	96
34) Hexachlorobutadiene	7.89	225	107171	36.68	ng	98
35) Caprolactam	8.19	113	55824	30.11	ng	# 48
36) 4-Chloro-3-methylphenol	8.34	107	227905	36.13	ng	85
37) 2-Methylnaphthalene	8.46	142	513159	40.59	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.63	216	177476	41.83	ng	98
40) Hexachlorocyclopentadiene	8.62	237	15446	16.15	ng	97

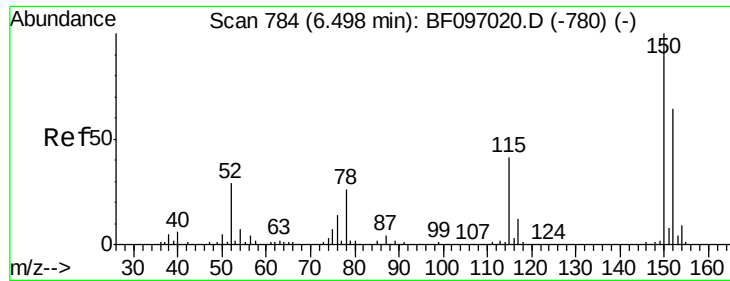
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.76	196	119136	38.75	nq	98
43) 2,4,5-Trichlorophenol	8.80	196	120837	39.27	nq	96
45) 1,1'-Biphenyl	8.93	154	502221	36.98	nq	97
46) 2-Chloronaphthalene	8.95	162	396617	39.69	nq	# 92
47) 2-Nitroaniline	9.05	65	153913	42.44	nq	95
48) Acenaphthylene	9.36	152	537743	35.06	nq	98
49) Dimethylphthalate	9.23	163	583559	48.33	nq	100
50) 2,6-Dinitrotoluene	9.30	165	88371	34.51	nq	# 83
51) Acenaphthene	9.53	154	343443	38.01	nq	100
52) 3-Nitroaniline	9.46	138	93880	29.54	nq	93
54) Dibenzofuran	9.70	168	498190	41.39	nq	98
55) 4-Nitrophenol	9.66	139	102615	54.29	nq	# 66
56) 2,4-Dinitrotoluene	9.70	165	108063	36.71	nq	# 65
57) Fluorene	10.04	166	341488	37.75	nq	97
58) 2,3,4,6-Tetrachlorophenol	9.83	232	74730	35.17	nq	# 97
59) Diethylphthalate	9.93	149	441663	39.87	nq	99
60) 4-Chlorophenyl-phenylether	10.04	204	146684	39.27	nq	92
61) 4-Nitroaniline	10.07	138	90994	30.13	nq	92
62) Azobenzene	10.20	77	414667	40.35	nq	93
64) 4,6-Dinitro-2-methylphenol	10.12	198	8403	6.13	nq	87
65) n-Nitrosodiphenylamine	10.16	169	317163	41.33	nq	98
66) 4-Bromophenyl-phenylether	10.52	248	84952	38.59	nq	98
67) Hexachlorobenzene	10.59	284	86999	35.24	nq	# 93
68) Atrazine	10.69	200	89653	40.74	nq	94
69) Pentachlorophenol	10.79	266	60812	59.54	nq	98
70) Phenanthrene	10.99	178	461207	39.02	nq	99
71) Anthracene	11.05	178	479847	39.64	nq	99
72) Carbazole	11.20	167	489367	41.11	nq	99
73) Di-n-butylphthalate	11.55	149	573064	38.94	nq	98
74) Fluoranthene	12.17	202	452235	39.06	nq	98
76) Benzidine	12.30	184	332886	50.04	nq	# 92
77) Pyrene	12.40	202	489559	33.35	nq	99
79) Butylbenzylphthalate	13.03	149	237383	31.79	nq	# 77
80) Benzo(a)anthracene	13.58	228	413291	35.63	nq	98
81) 3,3'-Dichlorobenzidine	13.55	252	151040	34.53	nq	# 95
82) Chrysene	13.62	228	398639	35.19	nq	99
83) Bis(2-ethylhexyl)phthalate	13.60	149	313447	32.15	nq	100
84) Di-n-octyl phthalate	14.20	149	618901	34.60	nq	# 91
85) Indeno(1,2,3-cd)pyrene	16.15	276	289687	29.82	nq	94
87) Benzo(b)fluoranthene	14.58	252	374834	37.28	nq	97
88) Benzo(k)fluoranthene	14.60	252	370146	38.64	nq	99
89) Benzo(a)pyrene	14.89	252	340644	37.02	nq	97
90) Dibenzo(a,h)anthracene	16.16	278	250879	33.25	nq	# 95
91) Benzo(g,h,i)perylene	16.50	276	235370	29.75	nq	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.04 min

Lab File: BF097246.D

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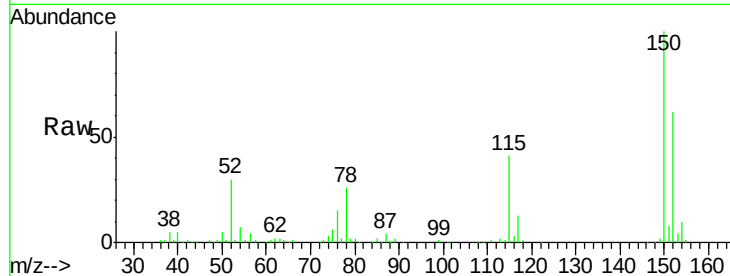
Tot Ion:152 Resp: 100912

Ion Ratio Lower Upper

152 100

150 160.3 126.2 189.2

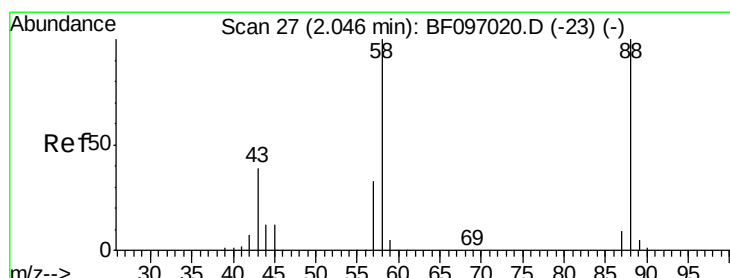
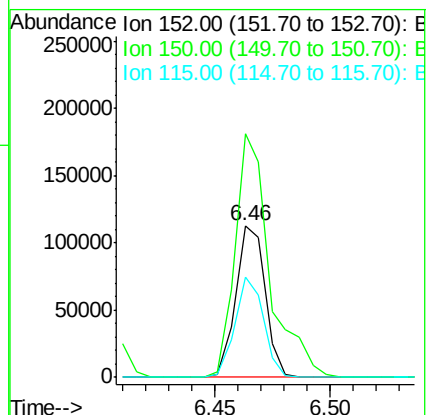
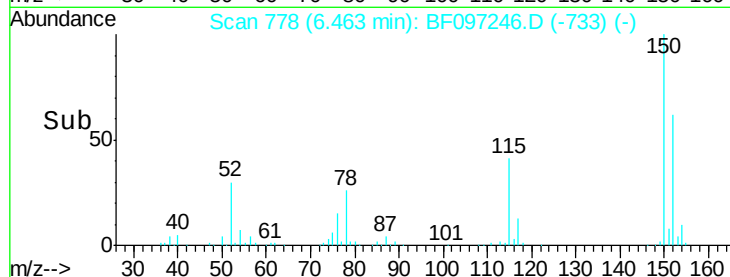
115 66.3 52.2 78.2



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: 40.43 ng

RT: 2.03 min Scan# 24

Delta R.T. -0.02 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

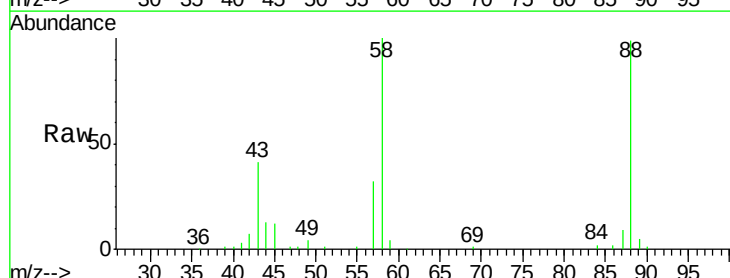
Tgt Ion: 88 Resp: 112940

Ion Ratio Lower Upper

88 100

58 97.9 61.4 92.0#

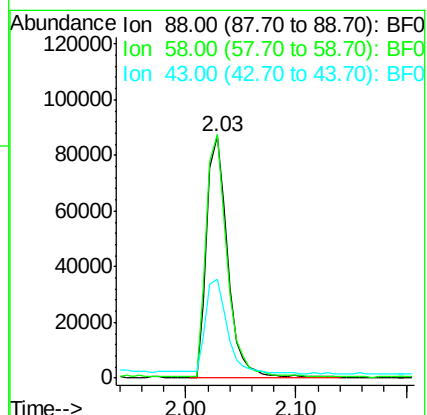
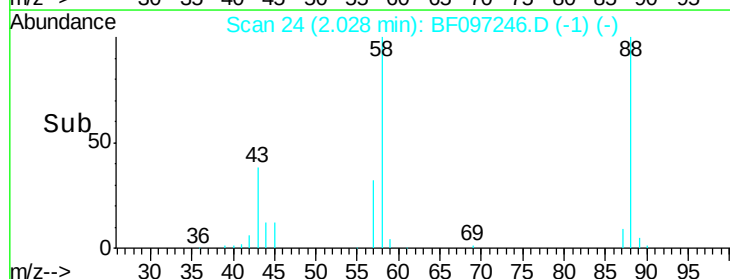
43 39.9 23.4 35.0#

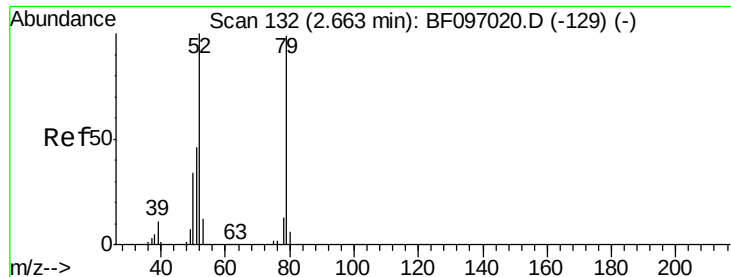


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 35.62 ng

RT: 2.63 min Scan# 127

Delta R.T. -0.03 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

ClientSampleId :

HDD-PILWC4MSD

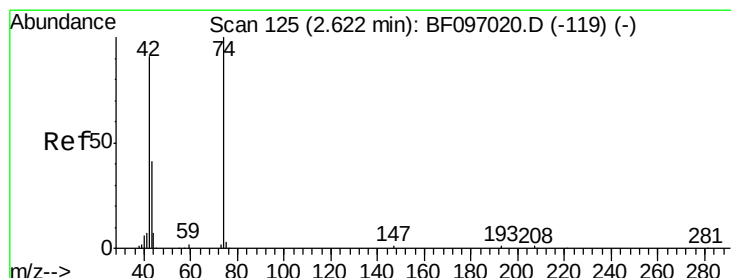
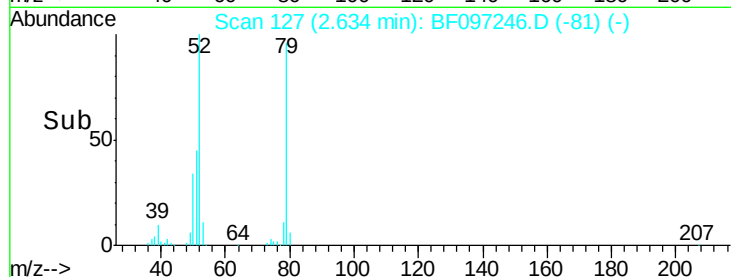
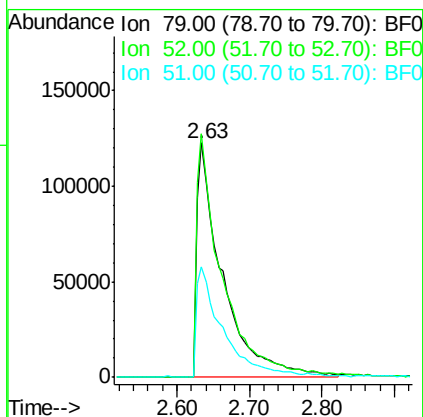
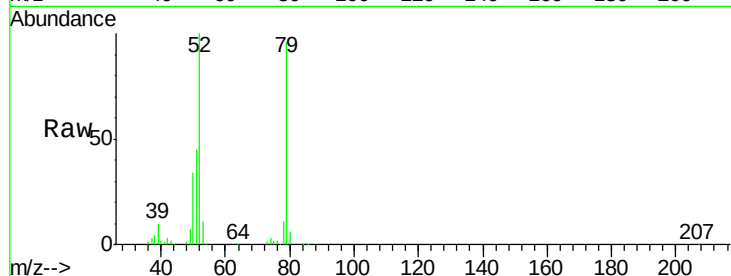
Tot Ion: 79 Resp: 304700

Ion Ratio Lower Upper

79 100

52 103.8 54.8 82.2#

51 46.8 27.0 40.4#



#4

n-Nitrosodimethylamine

Concen: 38.96 ng

RT: 2.59 min Scan# 120

Delta R.T. -0.03 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

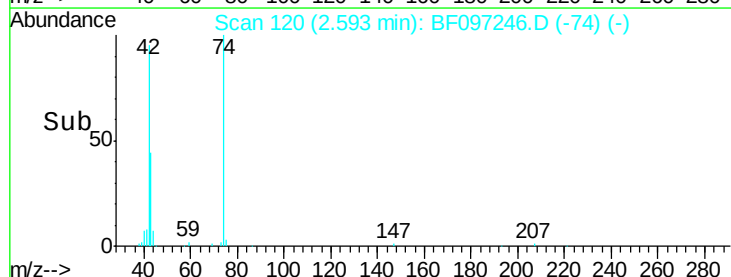
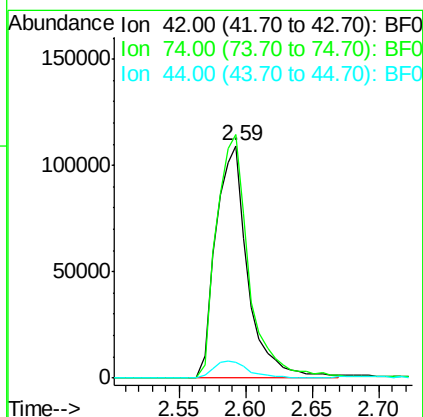
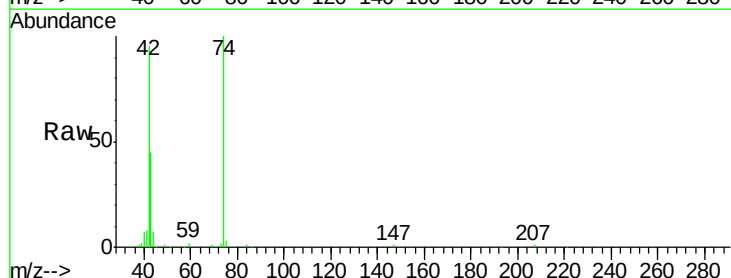
Tgt Ion: 42 Resp: 184633

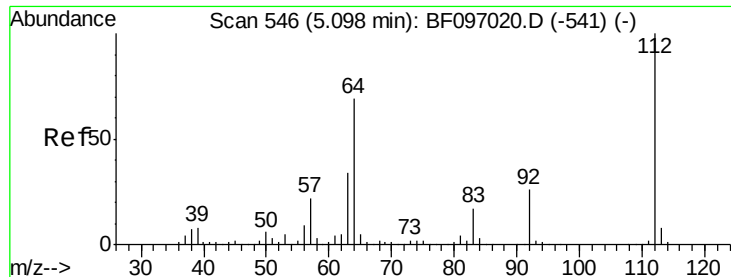
Ion Ratio Lower Upper

42 100

74 104.9 103.9 155.9

44 7.0 5.7 8.5





#5

2-Fluorophenol

Concen: 119.40 ng

RT: 5.08 min Scan# 543

Delta R.T. -0.02 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

ClientSampleId :

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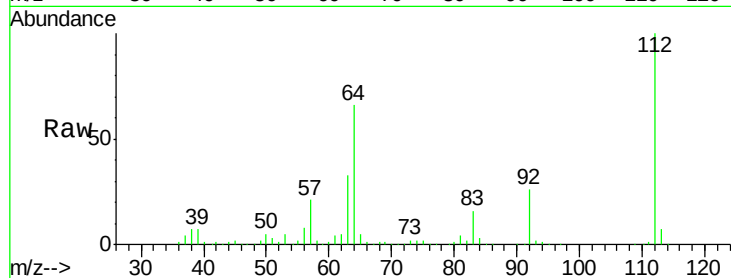
Tot Ion:112 Resp: 799280

Ion Ratio Lower Upper

112 100

64 66.0 46.0 69.0

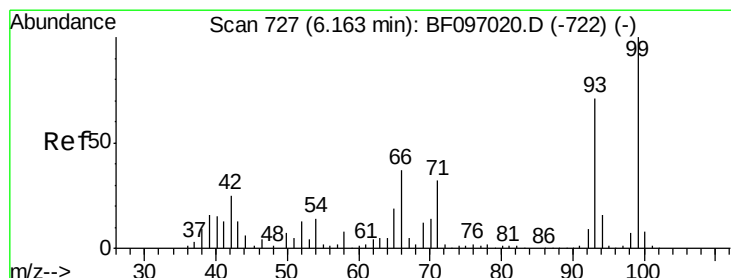
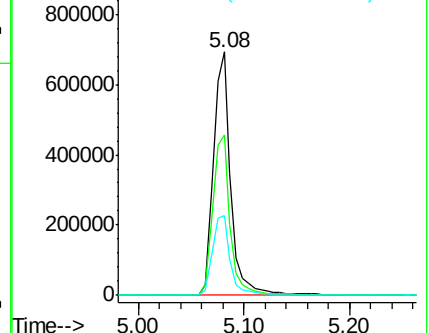
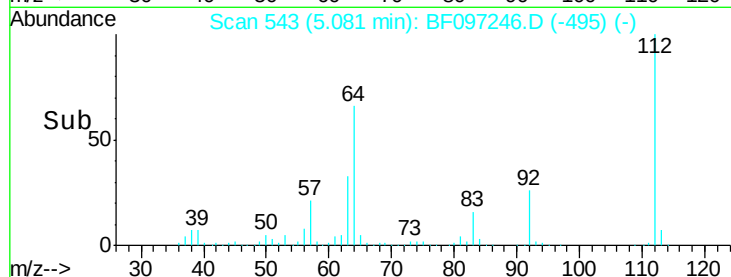
63 32.9 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 30.18 ng

RT: 6.13 min Scan# 721

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

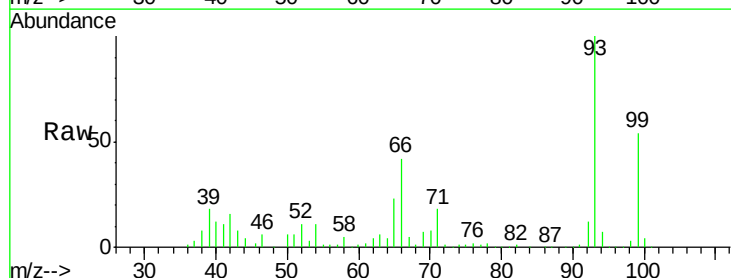
Tgt Ion: 93 Resp: 290227

Ion Ratio Lower Upper

93 100

66 42.4 32.9 49.3

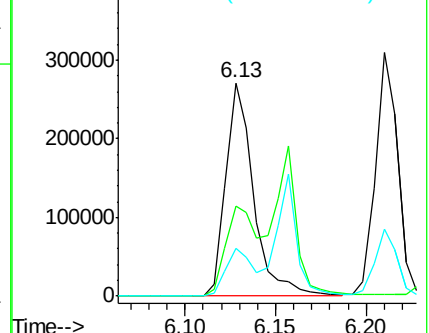
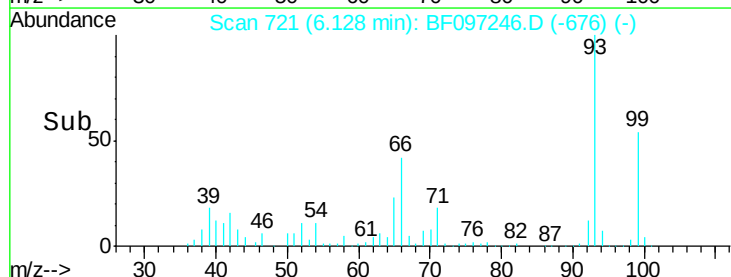
65 22.5 16.0 24.0

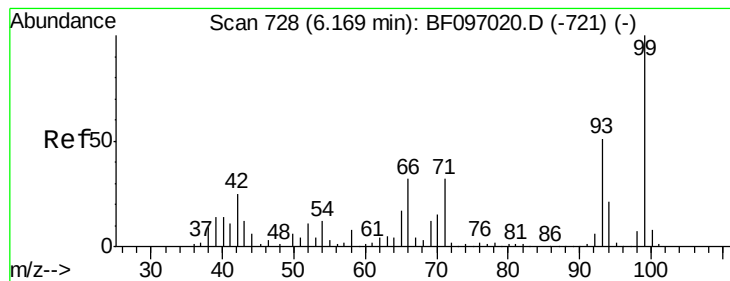


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 115.24 ng

RT: 6.15 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

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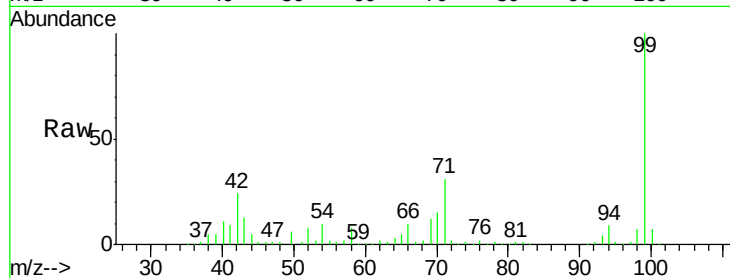
Tot Ion: 99 Resp: 880684

Ion Ratio Lower Upper

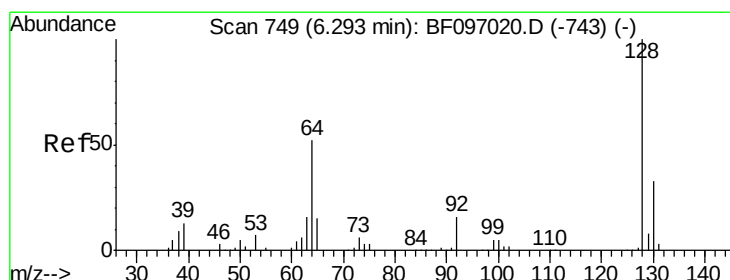
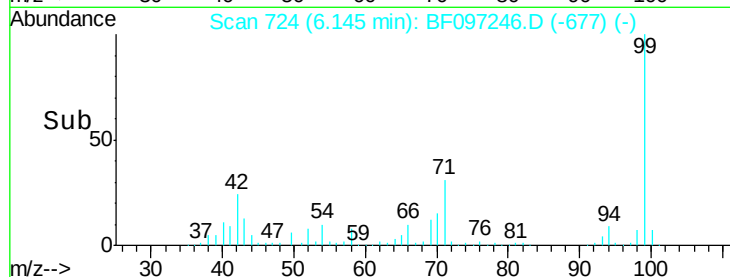
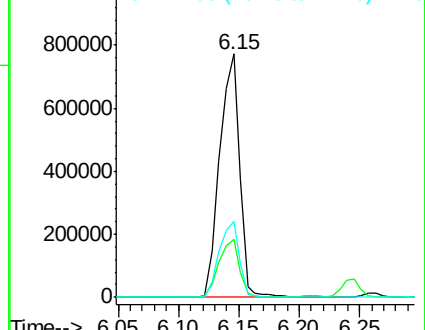
99 100

42 23.6 13.5 20.3#

71 31.4 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: 36.91 ng

RT: 6.26 min Scan# 743

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

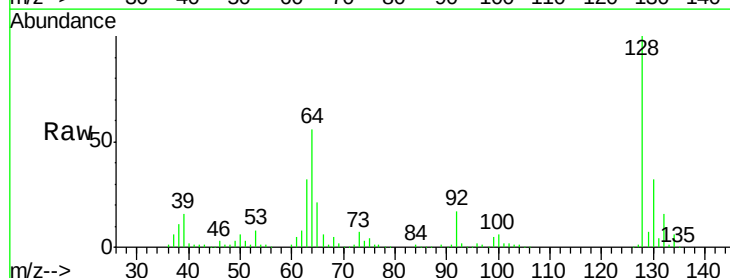
Tgt Ion: 128 Resp: 264168

Ion Ratio Lower Upper

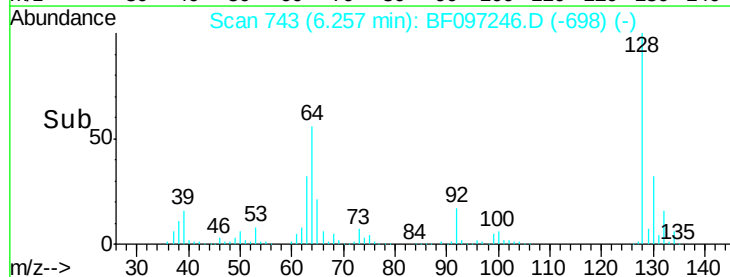
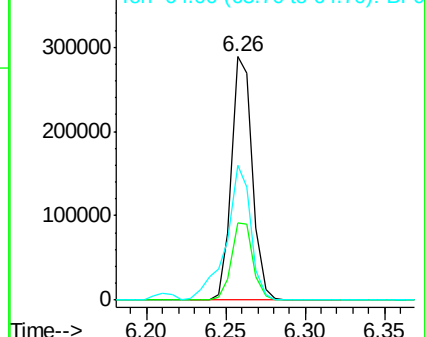
128 100

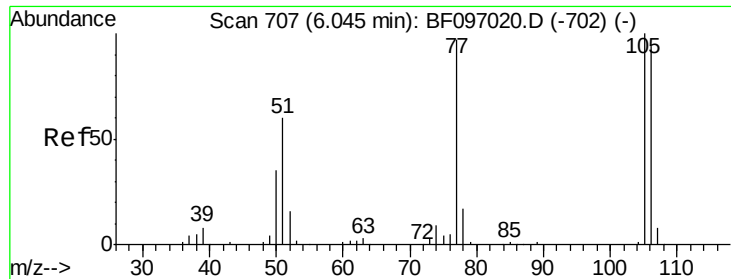
130 31.7 12.9 52.9

64 55.6 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: 42.85 ng

RT: 6.01 min Scan# 701

Delta R.T. -0.03 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

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ClientSampleId :

HDD-PILWC4MSD

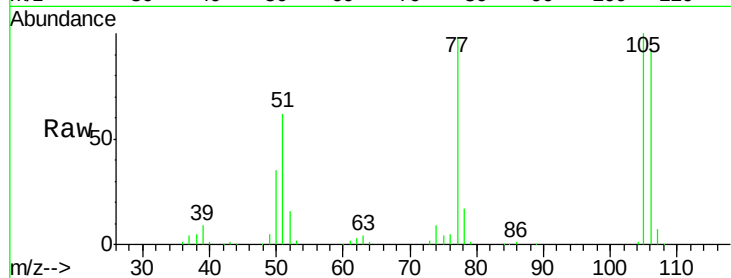
Tot Ion: 77 Resp: 193823

Ion Ratio Lower Upper

77 100

105 101.9 83.8 123.8

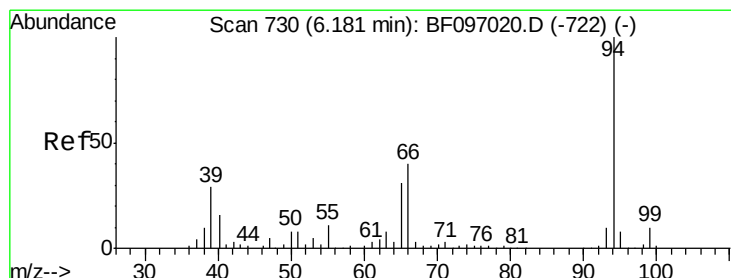
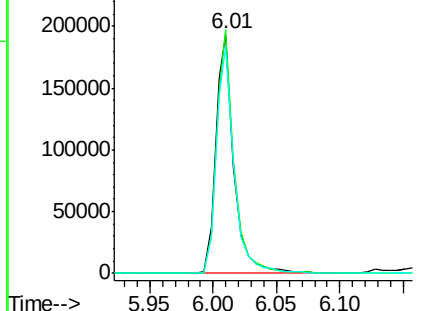
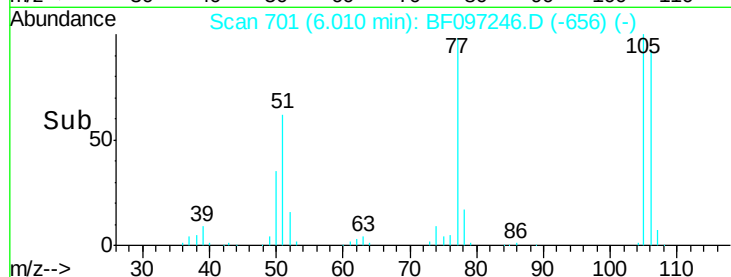
106 95.1 79.1 119.1



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: 45.39 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

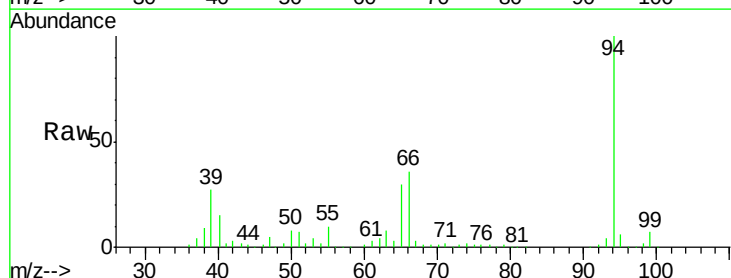
Tgt Ion: 94 Resp: 411470

Ion Ratio Lower Upper

94 100

65 29.5 9.9 49.9

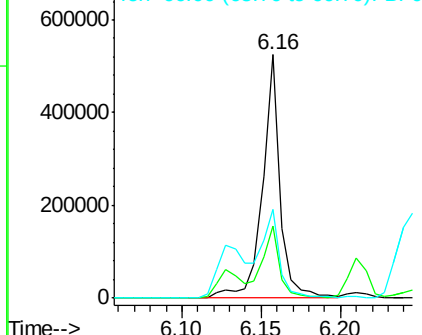
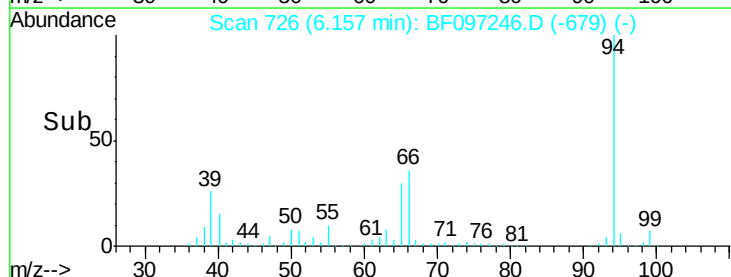
66 36.3 23.1 63.1

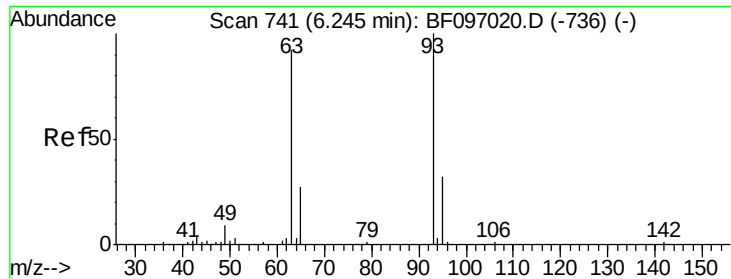


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 36.54 ng

RT: 6.21 min Scan# 735

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

ClientSampleId :

HDD-PILWC4MSD

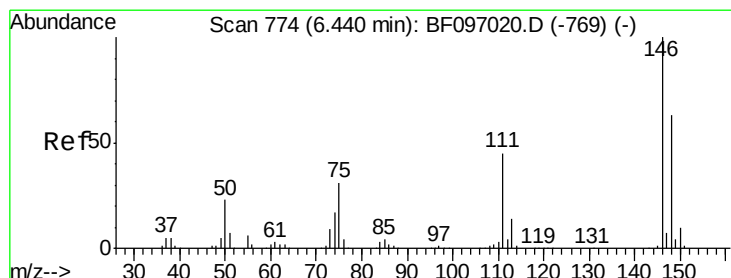
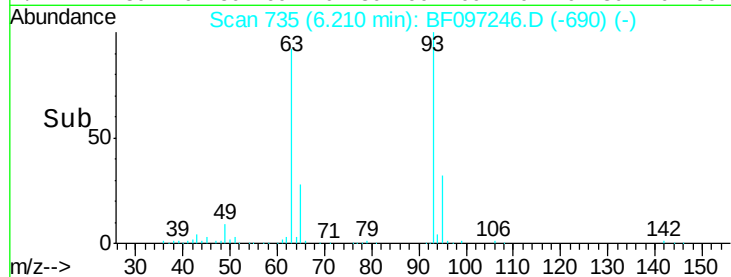
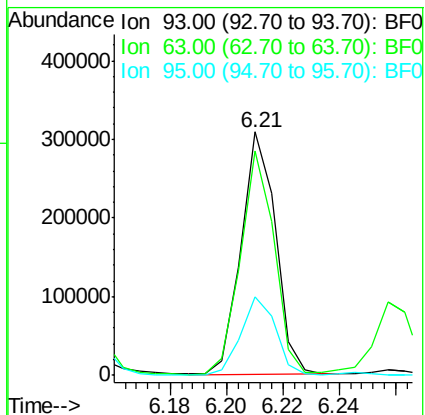
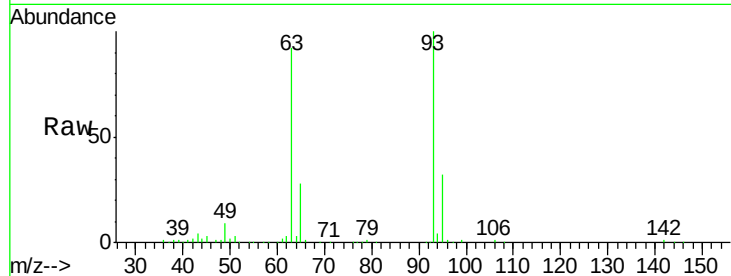
Tot Ion: 93 Resp: 261956

Ion Ratio Lower Upper

93 100

63 92.3 59.2 99.2

95 32.3 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 36.17 ng

RT: 6.40 min Scan# 768

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

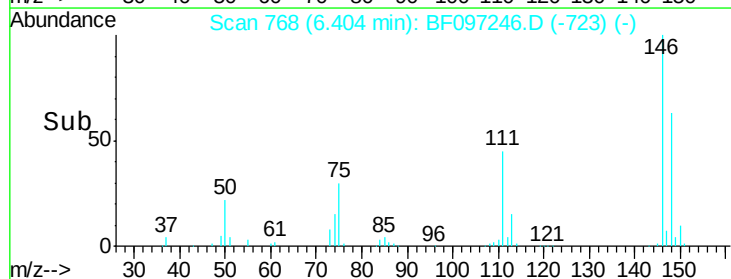
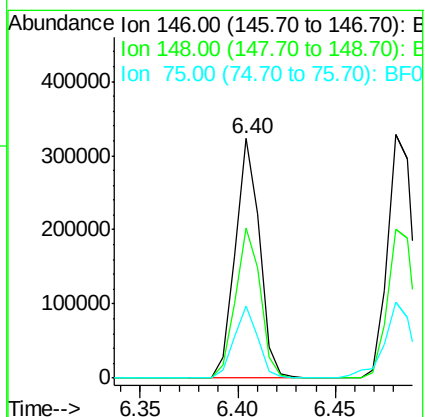
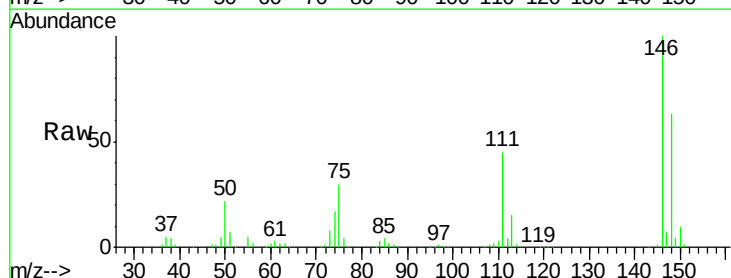
Tgt Ion: 146 Resp: 278987

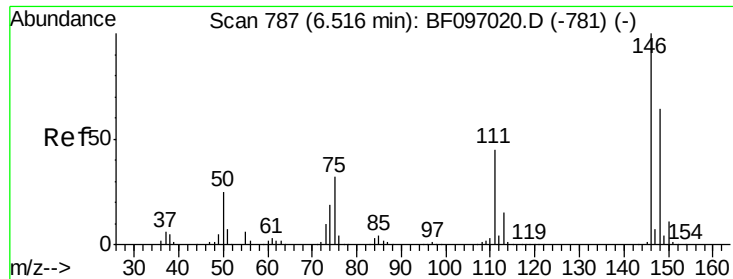
Ion Ratio Lower Upper

146 100

148 63.0 51.8 77.6

75 30.3 23.1 34.7

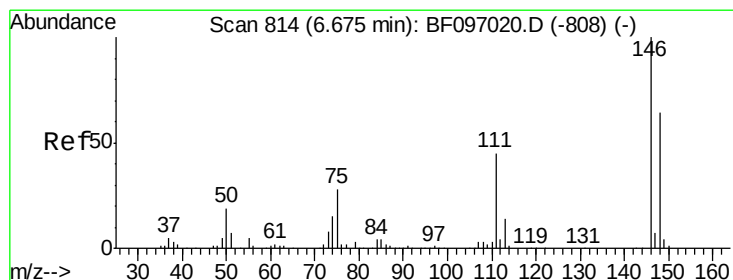
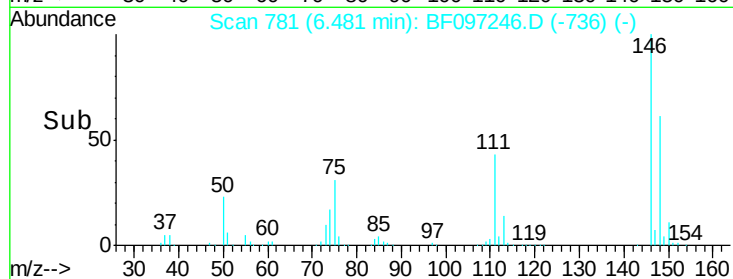
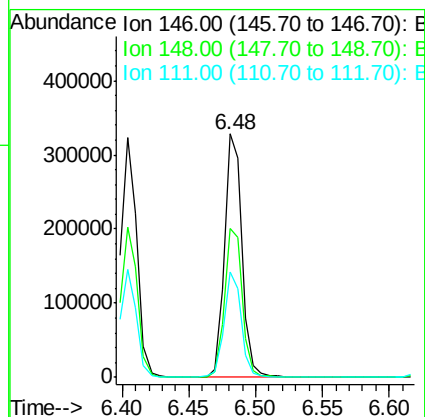
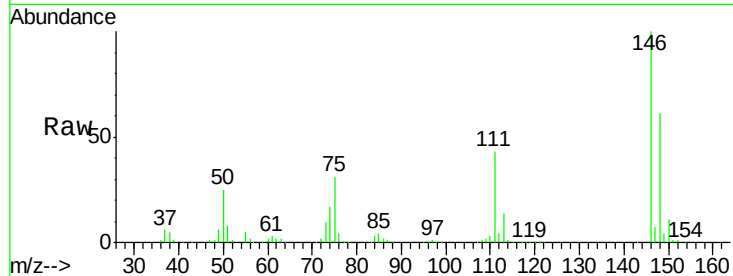




#13
 1,4-Dichlorobenzene
 Concen: 39.83 ng
 RT: 6.48 min Scan# 781
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

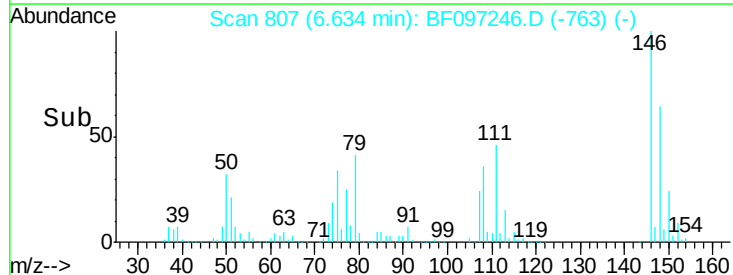
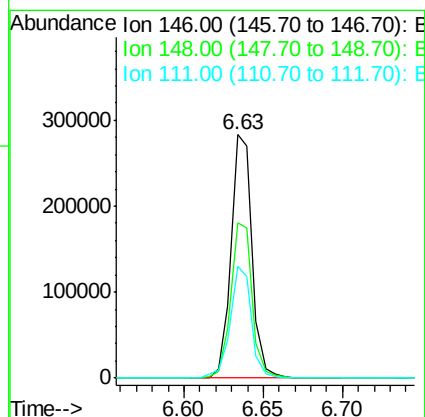
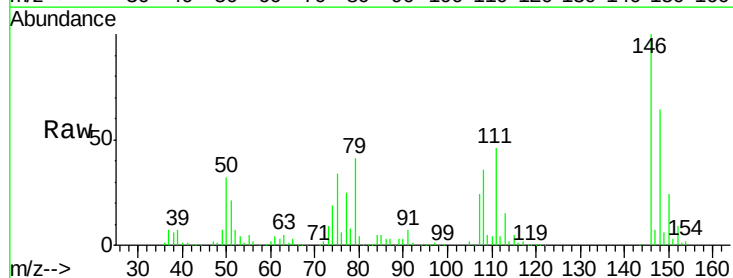
Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

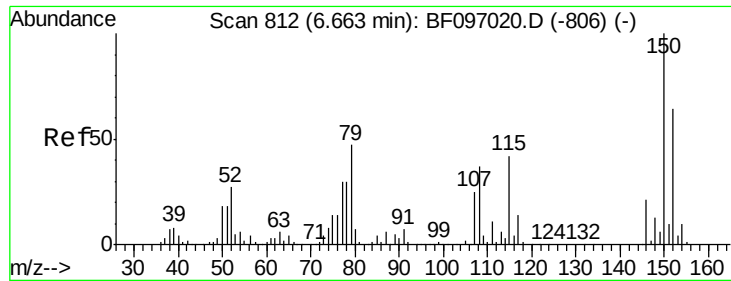
Tot Ion:146 Resp: 304495
 Ion Ratio Lower Upper
 146 100
 148 61.3 52.2 78.2
 111 43.4 30.3 45.5



#14
 1,2-Dichlorobenzene
 Concen: 38.89 ng
 RT: 6.63 min Scan# 807
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion:146 Resp: 259612
 Ion Ratio Lower Upper
 146 100
 148 63.6 50.4 75.6
 111 45.7 38.2 57.4

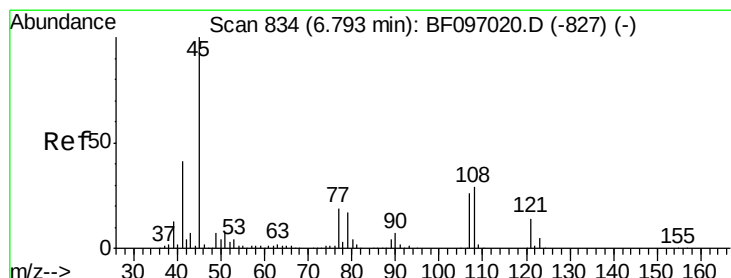
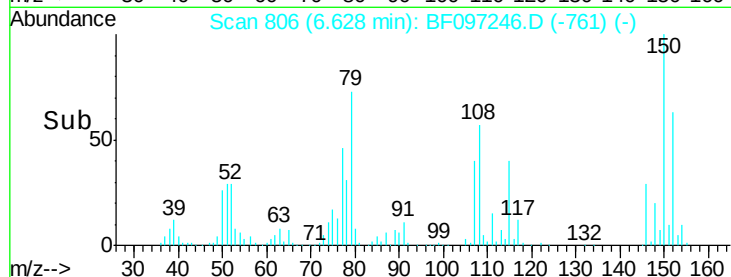
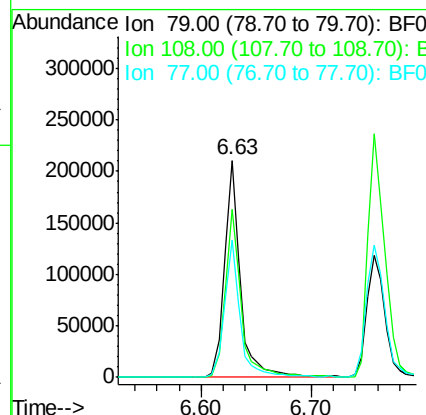
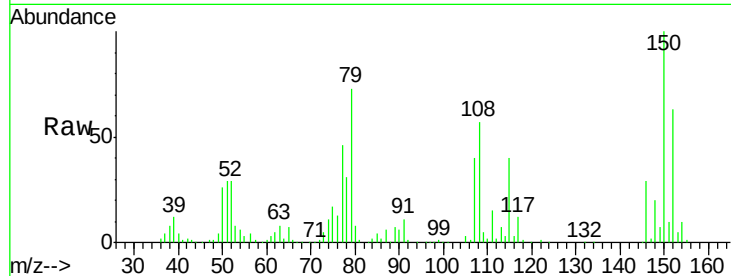




#15
Benzyl Alcohol
Concen: 44.14 ng
RT: 6.63 min Scan# 806
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

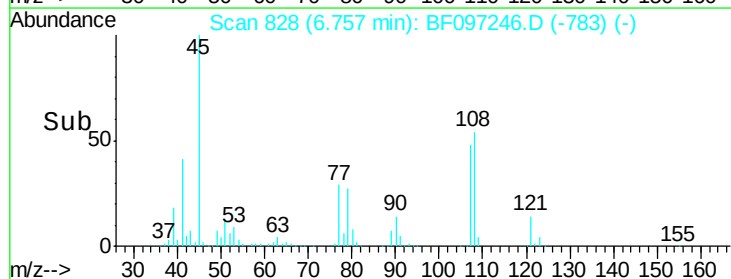
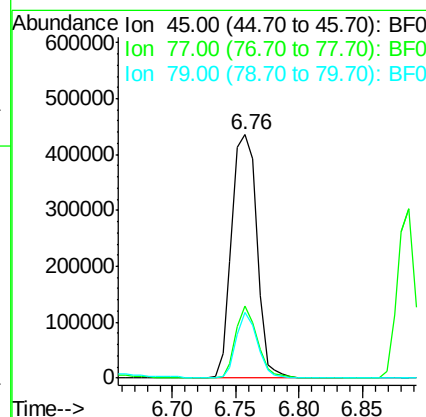
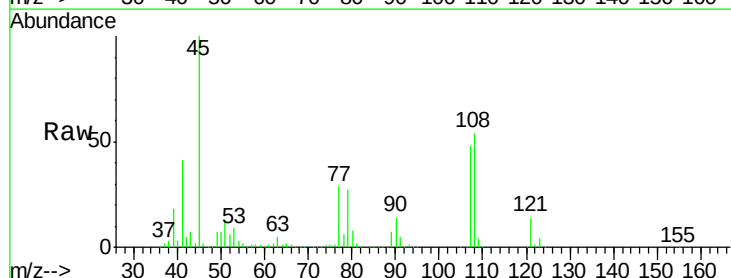
Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

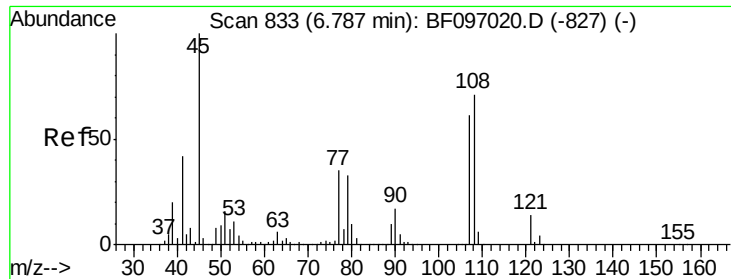
Tot Ion: 79 Resp: 213548
Ion Ratio Lower Upper
79 100
108 77.6 63.4 95.0
77 63.1 49.2 73.8



#16
2,2'-oxybis(1-chloropropane)
Concen: 41.61 ng
RT: 6.76 min Scan# 828
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion: 45 Resp: 598317
Ion Ratio Lower Upper
45 100
77 29.4 0.0 33.2
79 27.2 0.0 30.0

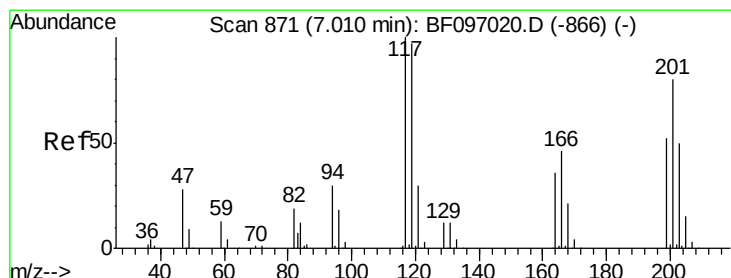
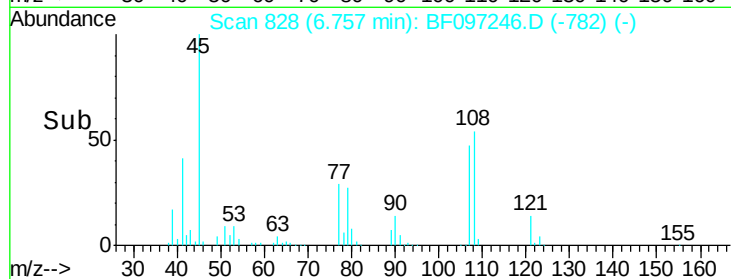
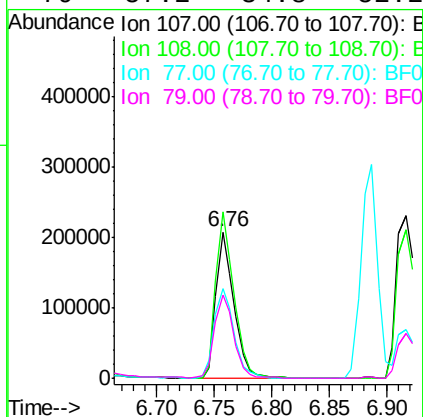
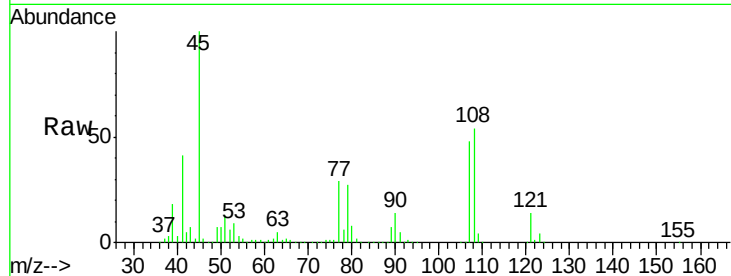




#17
2-Methylphenol
Concen: 40.49 ng
RT: 6.76 min Scan# 828
Delta R.T. -0.03 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

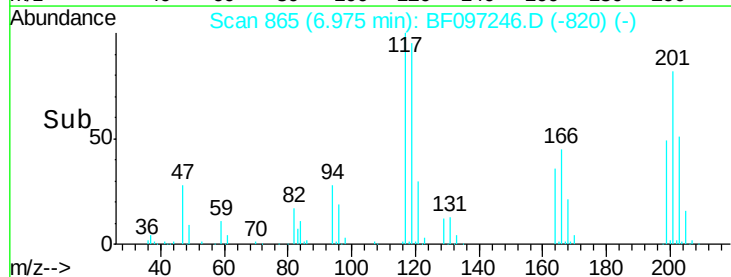
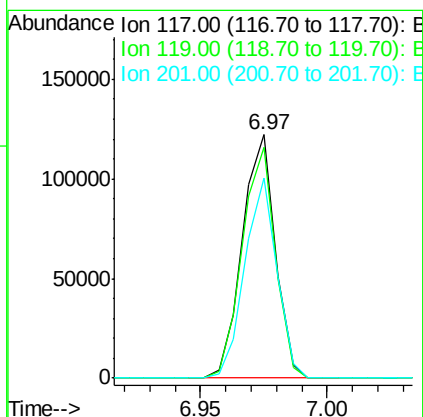
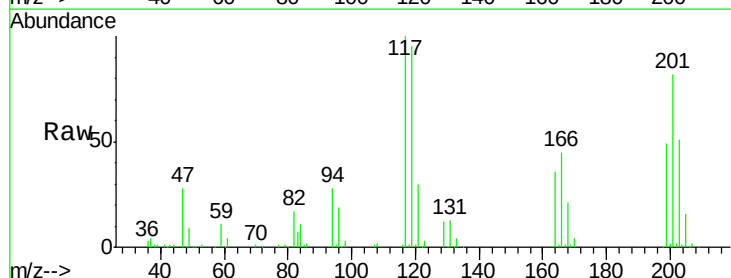
Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

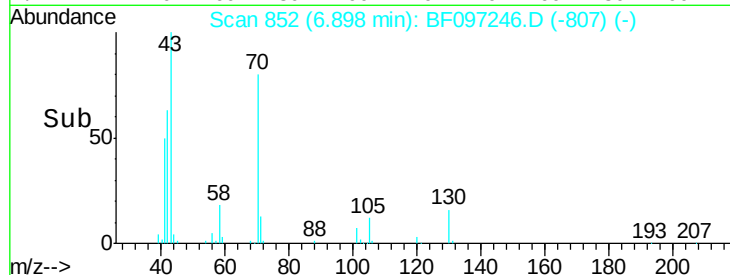
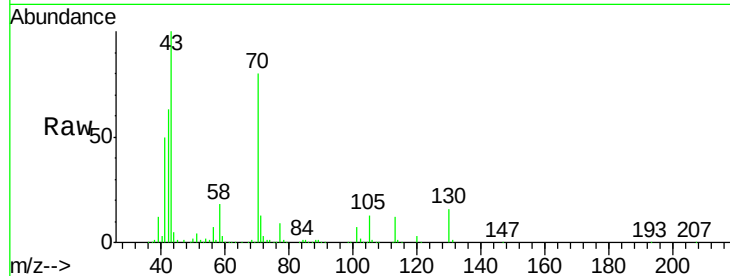
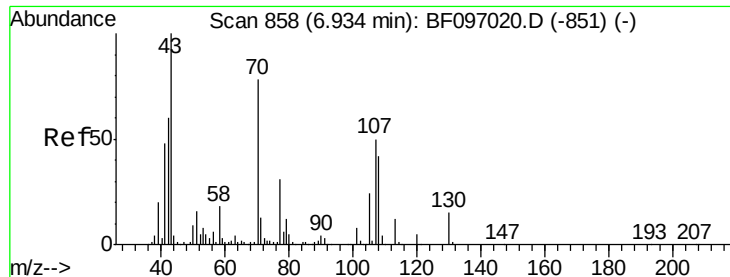
Tot Ion	Ratio	Lower	Upper
107	100		
108	114.0	93.4	140.0
77	61.6	35.8	53.6#
79	57.2	34.8	52.2#



#18
Hexachloroethane
Concen: 39.52 ng
RT: 6.97 min Scan# 865
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.4	116.0
201	82.2	94.6	141.8#

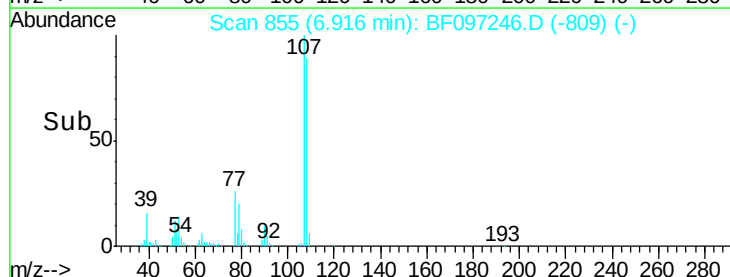
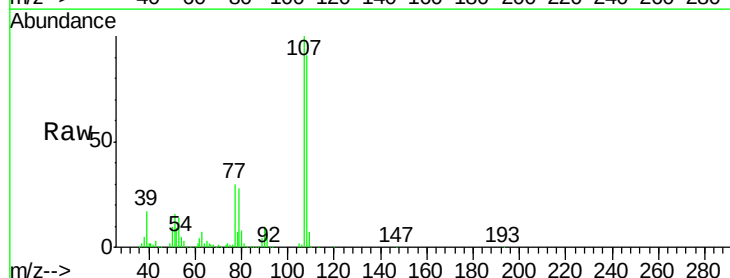
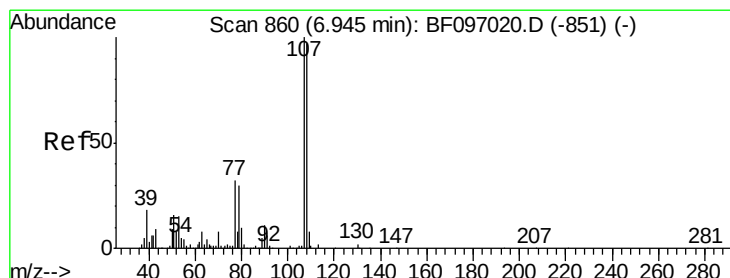
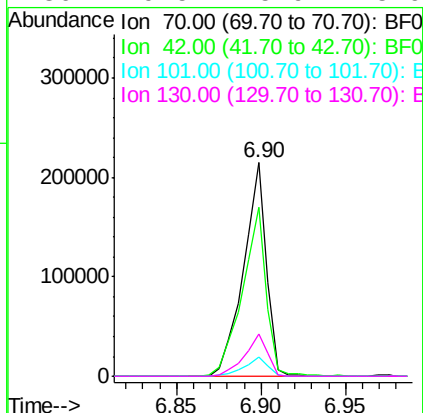




#19
n-Nitroso-di-n-propylamine
Concen: 40.75 ng
RT: 6.90 min Scan# 852
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

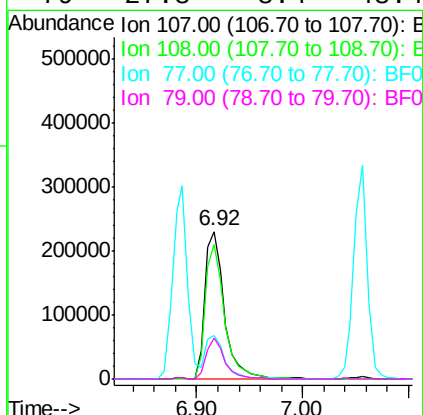
Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

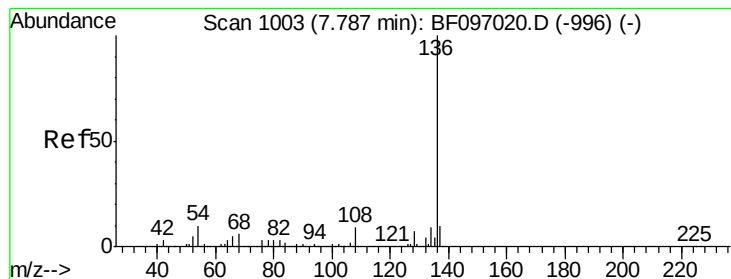
Tot Ion	Ratio	Lower	Upper
70	100		
42	79.0	47.2	70.8#
101	8.9	7.2	10.8
130	19.5	15.9	23.9



#20
3+4-Methylphenols
Concen: 40.68 ng
RT: 6.92 min Scan# 855
Delta R.T. -0.03 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.2	71.0	111.0
77	29.8	90.5	130.5#
79	27.8	8.4	48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.75 min Scan# 997

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

ClientSampleId :

HDD-PILWC4MSD

Tot Ion:136 Resp: 423631

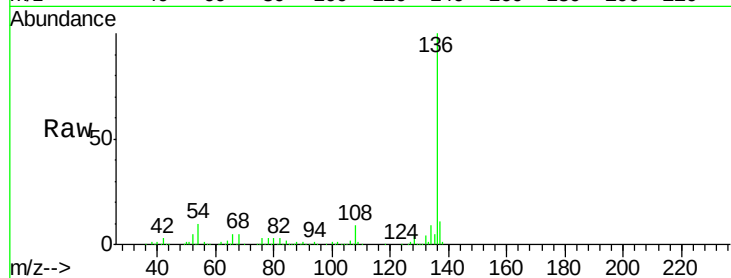
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 9.7 4.9 7.3#

68 5.3 4.1 6.1

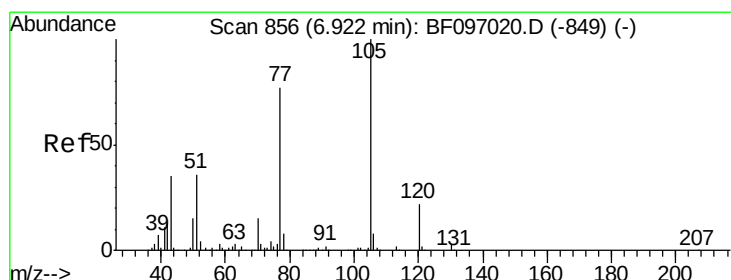
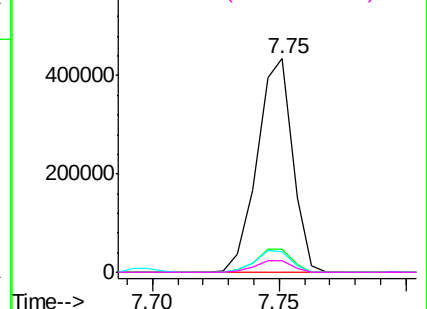
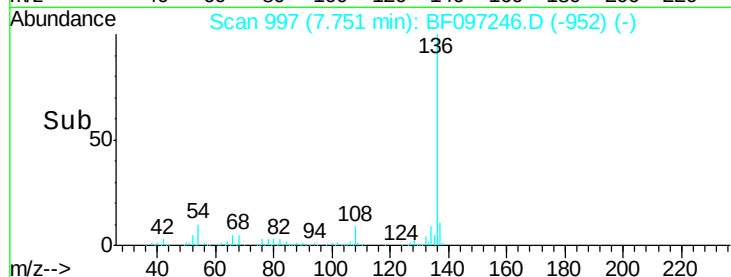


Abundance Ion 136.00 (135.70 to 136.70): E

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: 39.20 ng

RT: 6.89 min Scan# 850

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Tgt Ion:105 Resp: 398776

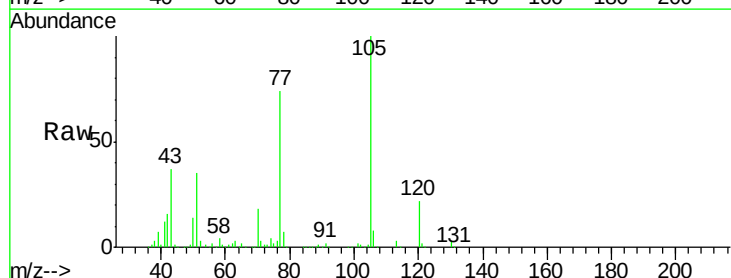
Ion Ratio Lower Upper

105 100

71 3.1 2.8 4.2

51 34.9 30.7 46.1

120 21.7 17.4 26.0

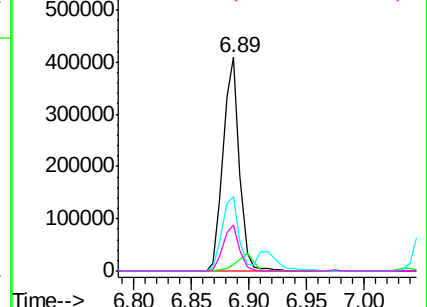
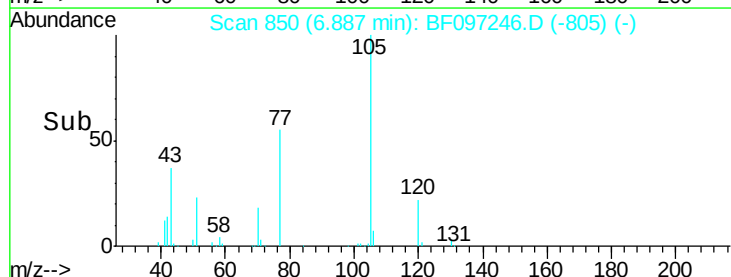


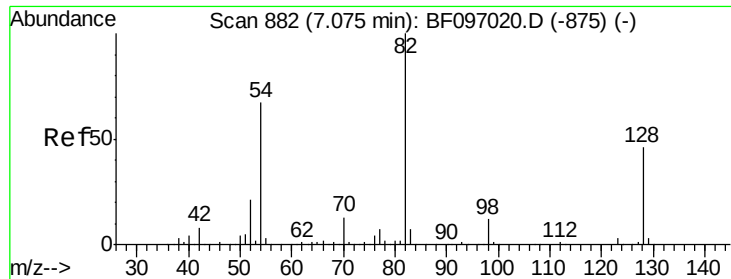
Abundance Ion 105.00 (104.70 to 105.70): E

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

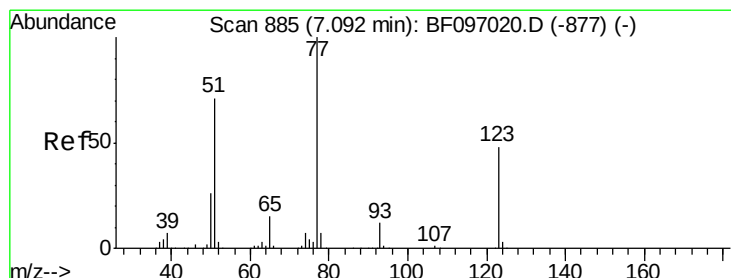
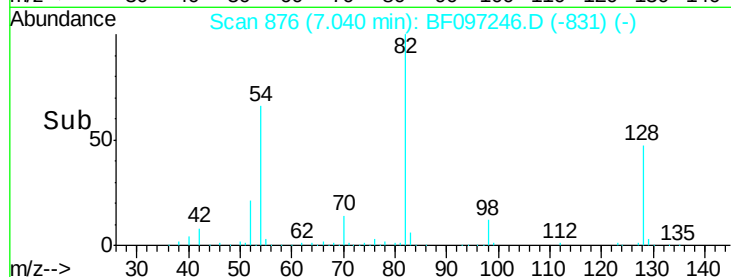
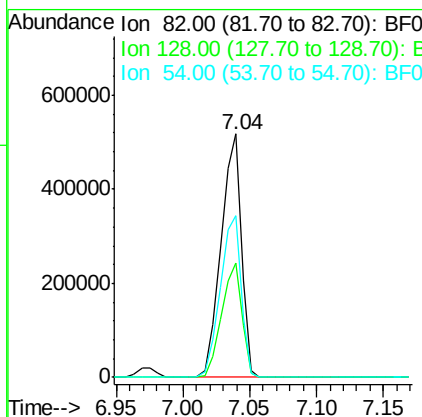
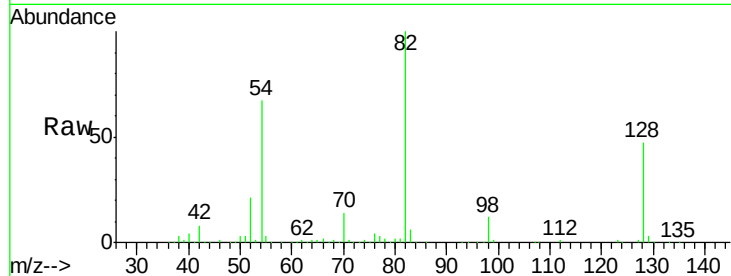




#23
 Nitrobenzene-d5
 Concen: 77.68 ng
 RT: 7.04 min Scan# 876
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

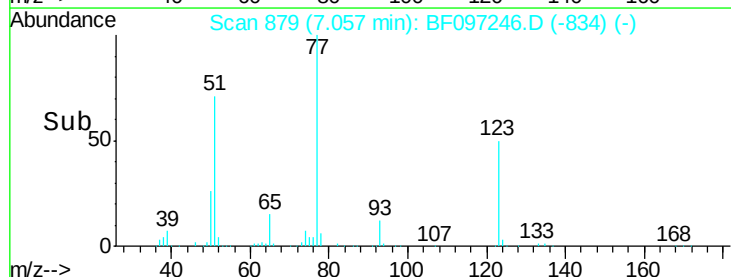
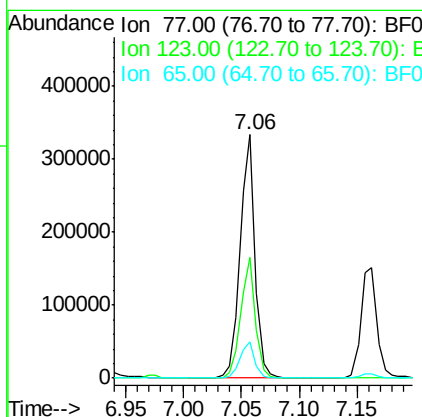
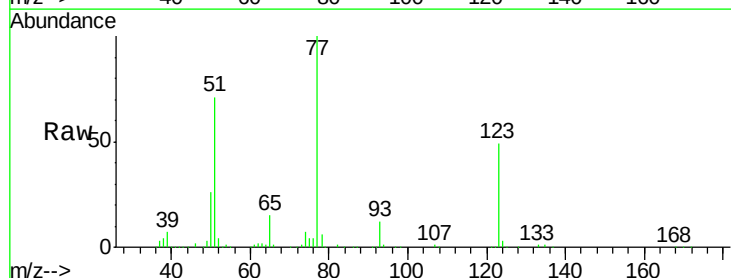
Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

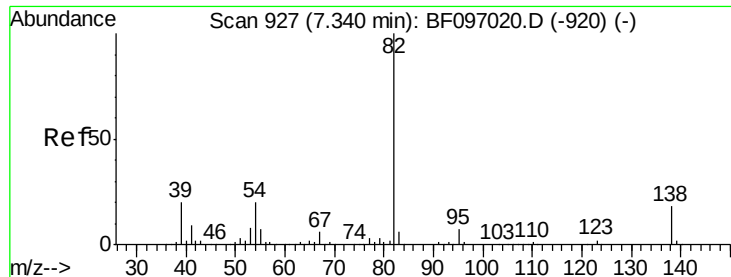
Tot Ion: 82 Resp: 560982
 Ion Ratio Lower Upper
 82 100
 128 46.9 34.0 51.0
 54 66.5 42.2 63.2#



#24
 Nitrobenzene
 Concen: 39.71 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion: 77 Resp: 298684
 Ion Ratio Lower Upper
 77 100
 123 49.5 35.8 53.8
 65 15.1 10.6 15.8





#25

Isophorone

Concen: 35.97 ng

RT: 7.30 min Scan# 920

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

ClientSampleId :

HDD-PILWC4MSD

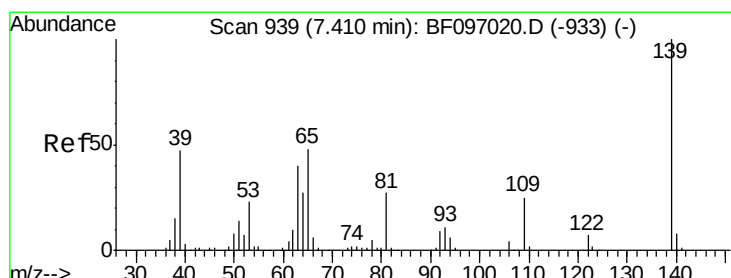
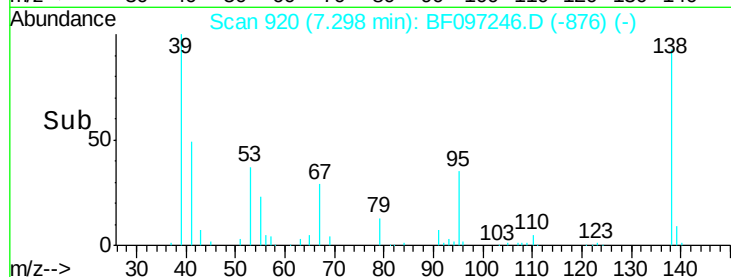
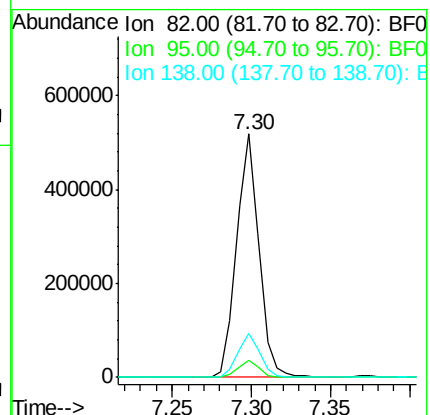
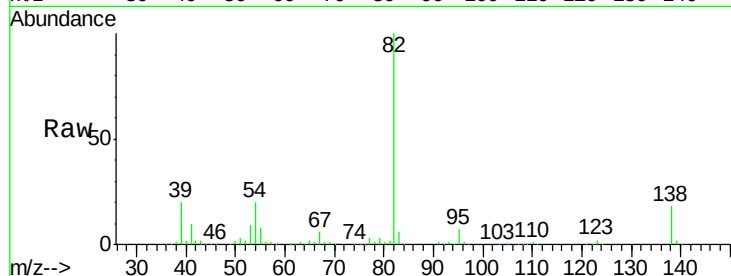
Tot Ion: 82 Resp: 508708

Ion Ratio Lower Upper

82 100

95 6.9 5.3 7.9

138 18.2 13.1 19.7



#26

2-Nitrophenol

Concen: 35.91 ng

RT: 7.37 min Scan# 933

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

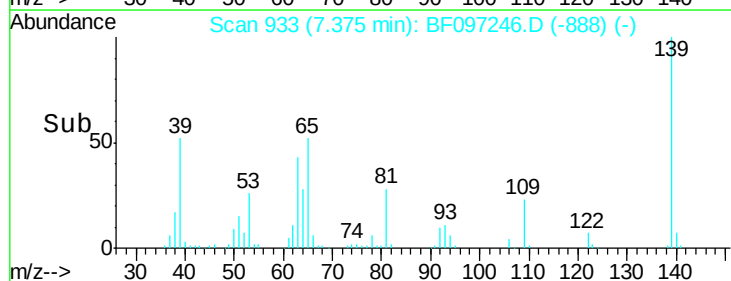
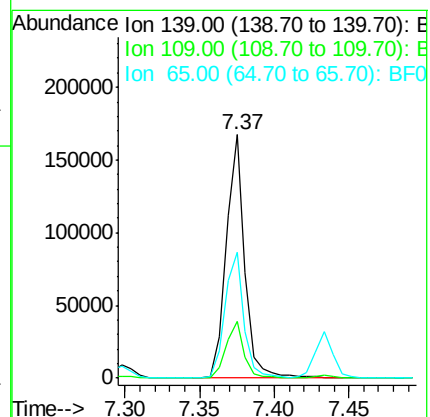
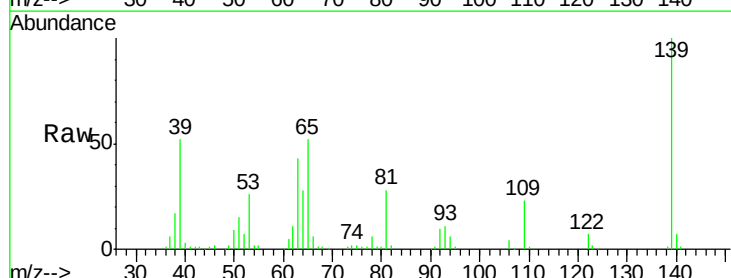
Tgt Ion: 139 Resp: 146111

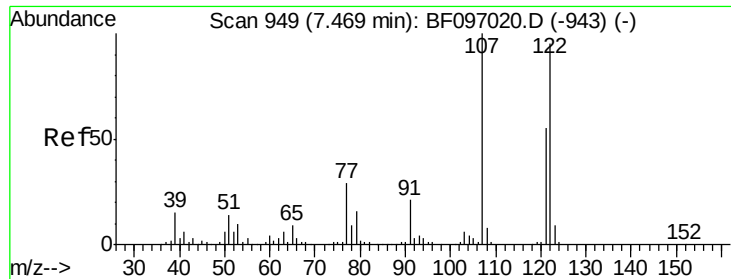
Ion Ratio Lower Upper

139 100

109 23.3 21.0 31.6

65 51.9 33.0 49.6#

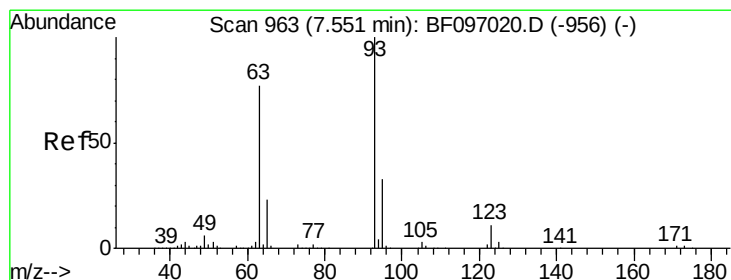
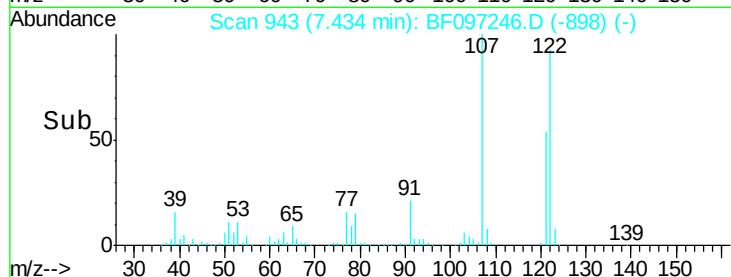
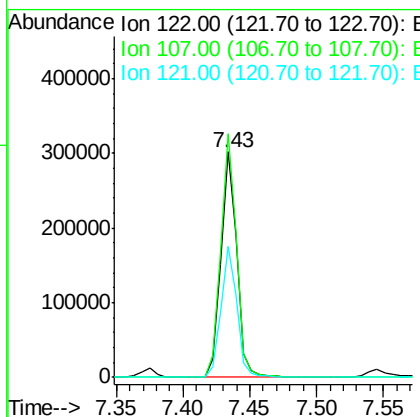
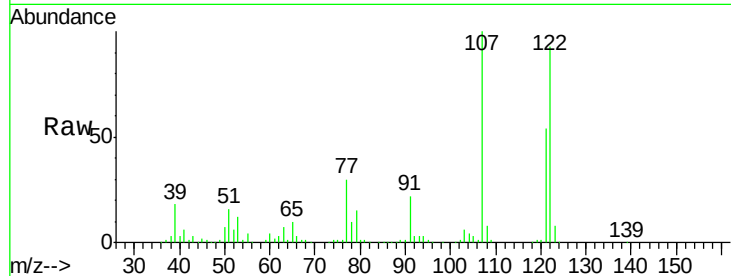




#27
 2,4-Dimethylphenol
 Concen: 38.14 ng
 RT: 7.43 min Scan# 943
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

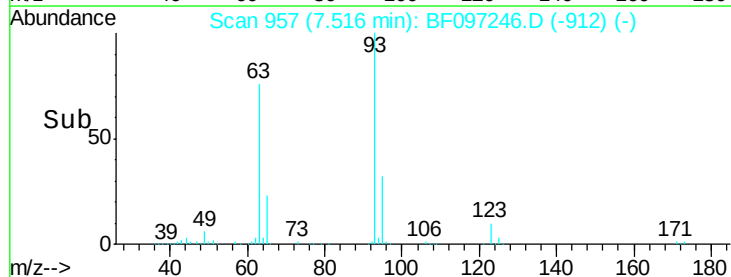
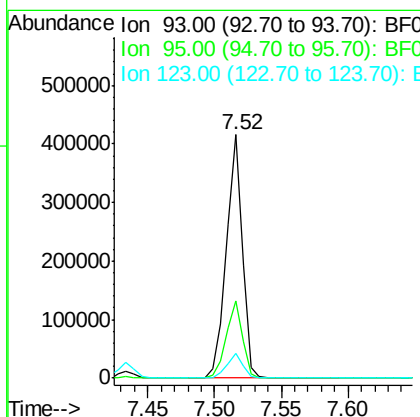
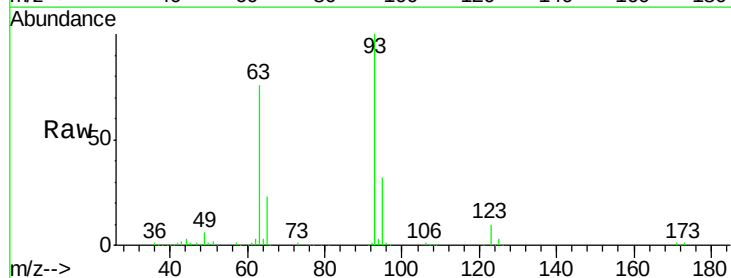
Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

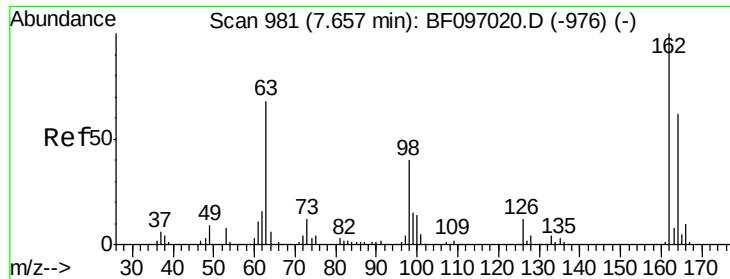
Tot Ion:122 Resp: 255994
 Ion Ratio Lower Upper
 122 100
 107 108.0 89.2 133.8
 121 58.1 45.2 67.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 38.65 ng
 RT: 7.52 min Scan# 957
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion: 93 Resp: 356693
 Ion Ratio Lower Upper
 93 100
 95 31.8 26.5 39.7
 123 10.1 9.0 13.4

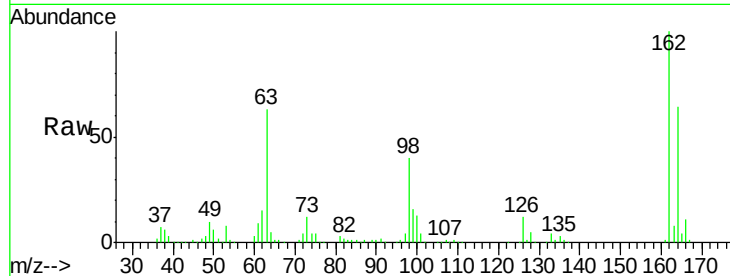




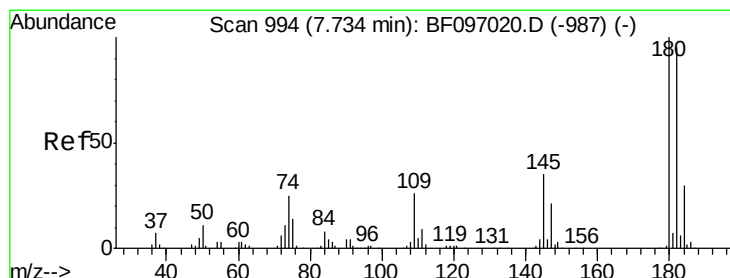
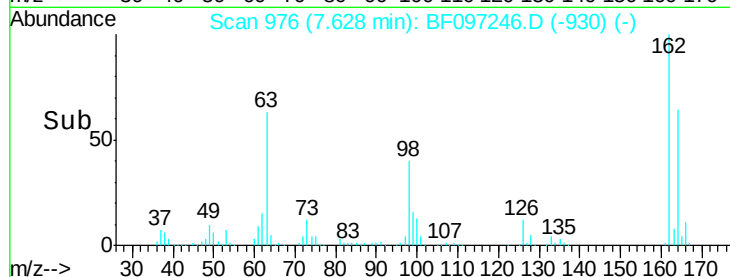
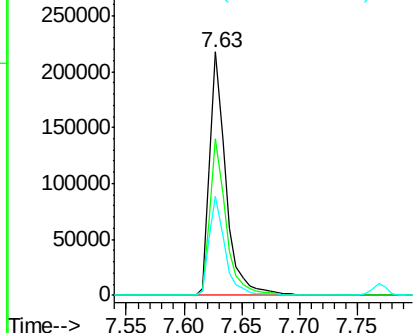
#29
 2,4-Dichlorophenol
 Concen: 37.00 ng
 RT: 7.63 min Scan# 976
 Delta R.T. -0.03 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.6	84.6
98	40.5	14.8	54.8

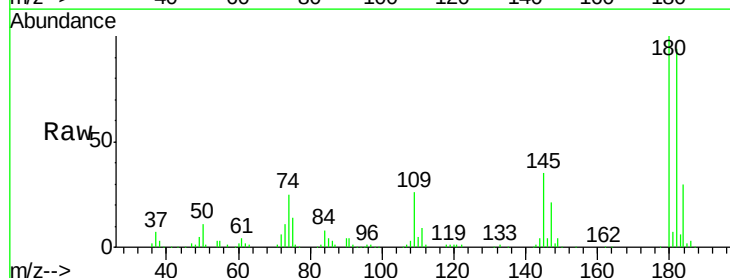


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BFO

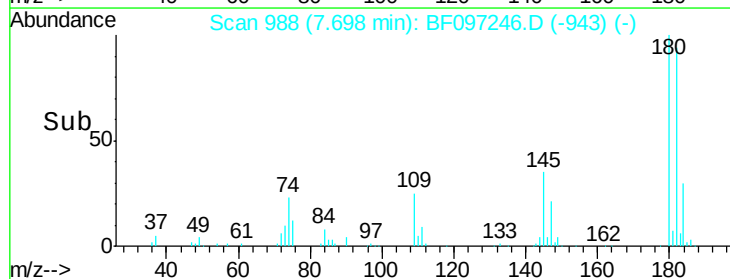
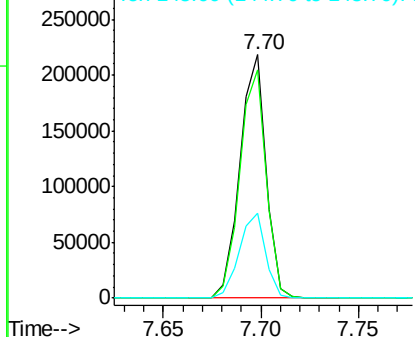


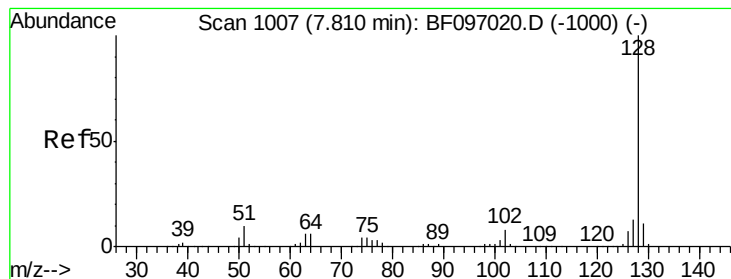
#30
 1,2,4-Trichlorobenzene
 Concen: 36.51 ng
 RT: 7.70 min Scan# 988
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.8	113.6
145	34.7	25.3	37.9



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





#31

Naphthalene

Concen: 37.67 ng

RT: 7.77 min Scan# 1000

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

ClientSampleId :

HDD-PILWC4MSD

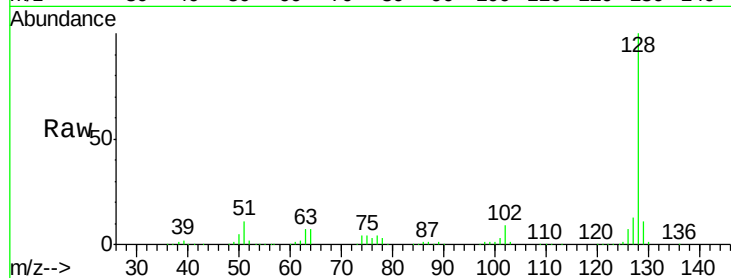
Tot Ion:128 Resp: 752232

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

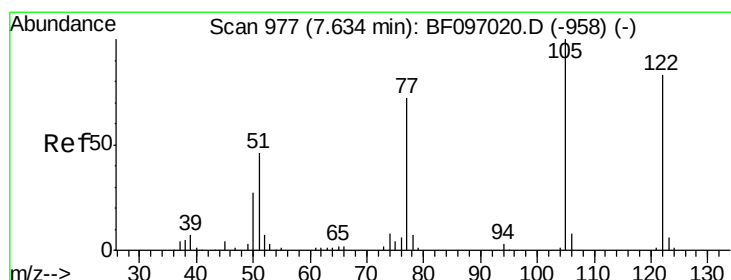
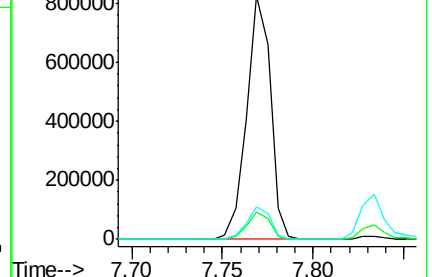
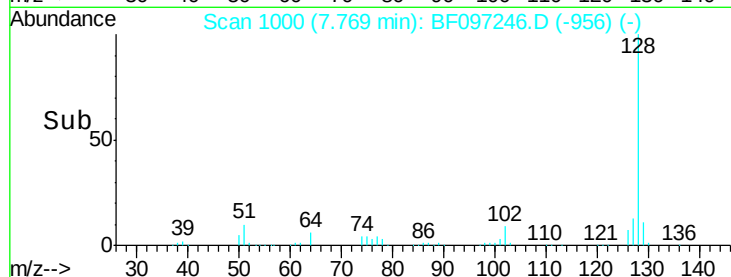
127 13.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 2.84 ng

RT: 7.55 min Scan# 962

Delta R.T. -0.09 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

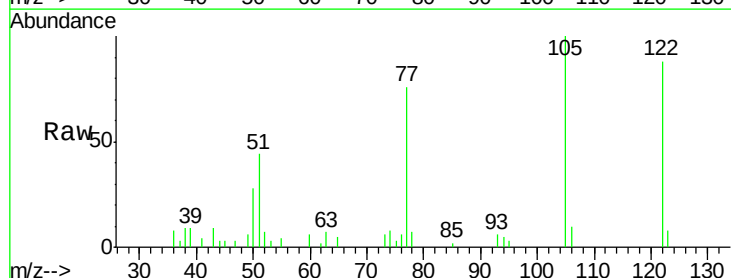
Tgt Ion:122 Resp: 14247

Ion Ratio Lower Upper

122 100

105 113.6 103.3 143.3

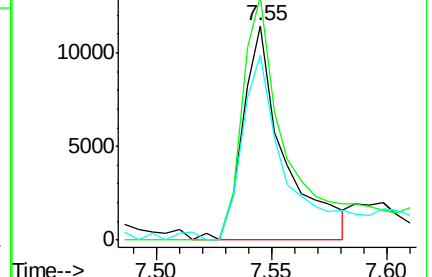
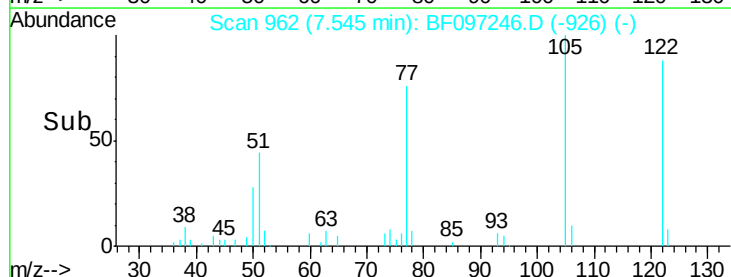
77 86.4 73.7 113.7

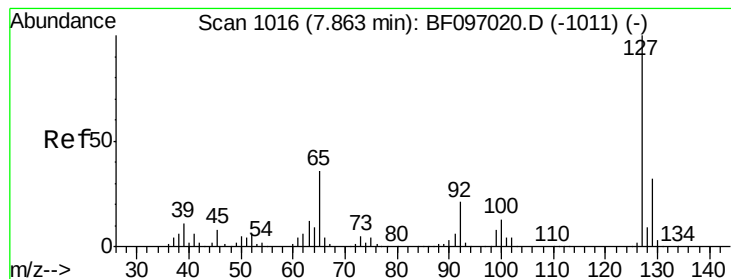


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 18.61 ng

RT: 7.83 min Scan# 1011

Delta R.T. -0.03 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

ClientSampleId :

HDD-PILWC4MSD

Tot Ion:127 Resp: 151201

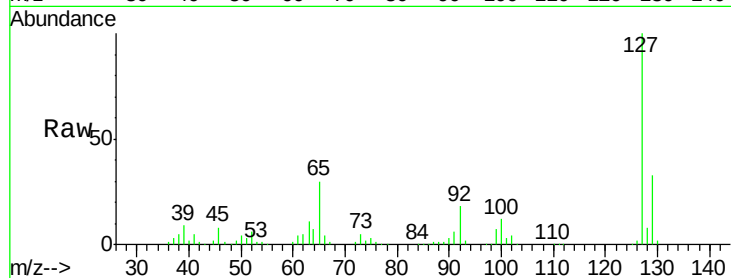
Ion Ratio Lower Upper

127 100

129 32.5 26.2 39.2

65 30.5 27.8 41.8

92 18.4 16.8 25.2

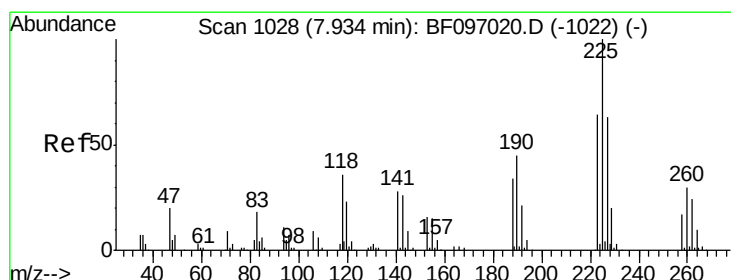
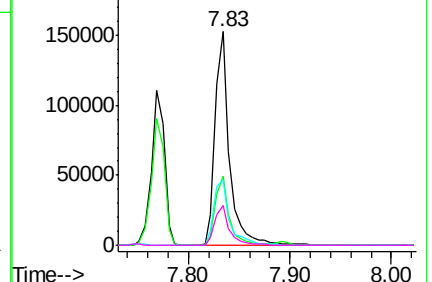
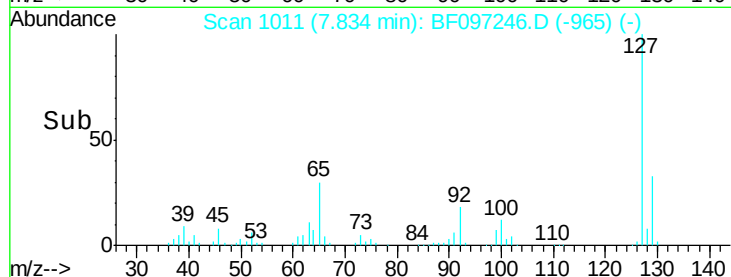


Abundance Ion 127.00 (126.70 to 127.70): E

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: 36.68 ng

RT: 7.89 min Scan# 1021

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

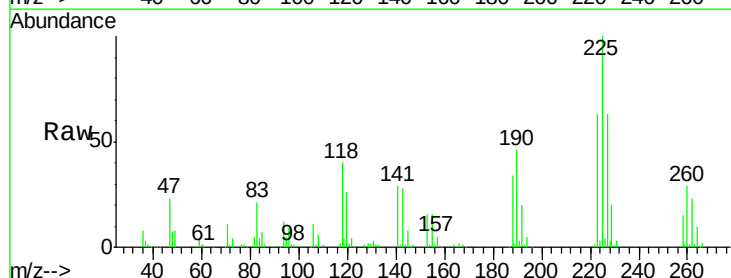
Tgt Ion:225 Resp: 107171

Ion Ratio Lower Upper

225 100

223 62.7 48.8 73.2

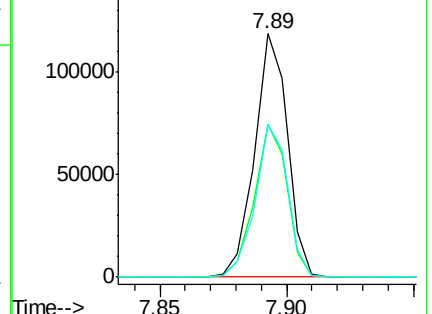
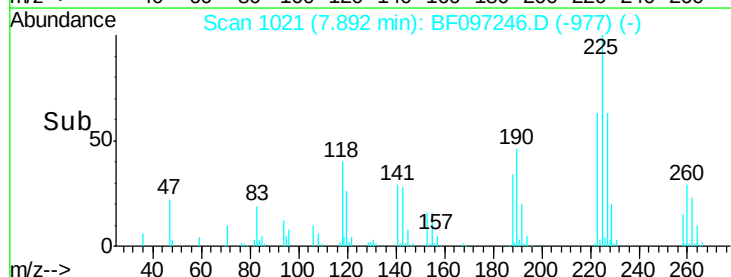
227 62.8 51.1 76.7

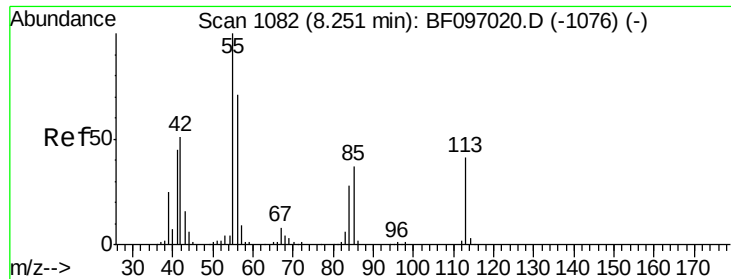


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

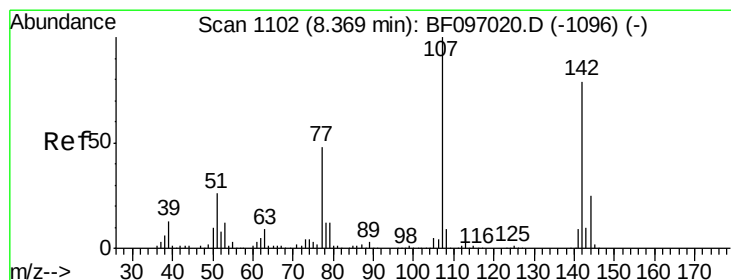
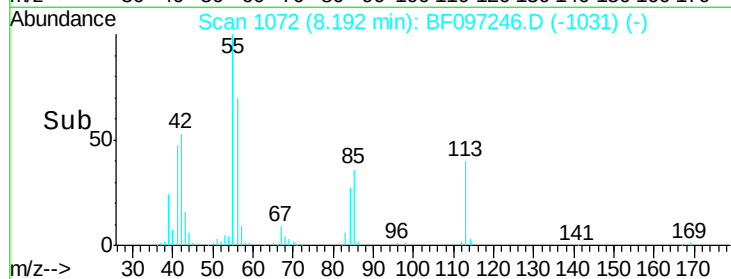
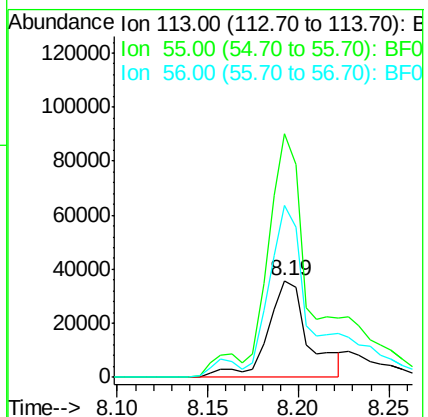
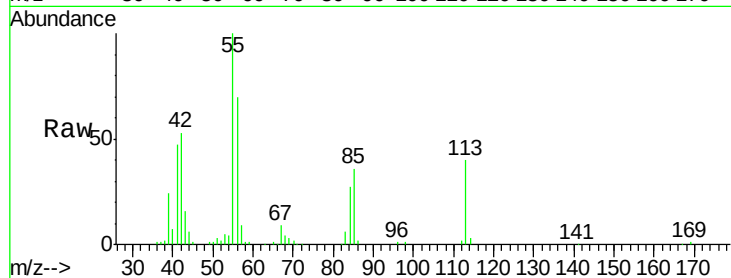




#35
 Caprolactam
 Concen: 30.11 ng
 RT: 8.19 min Scan# 1072
 Delta R.T. -0.06 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

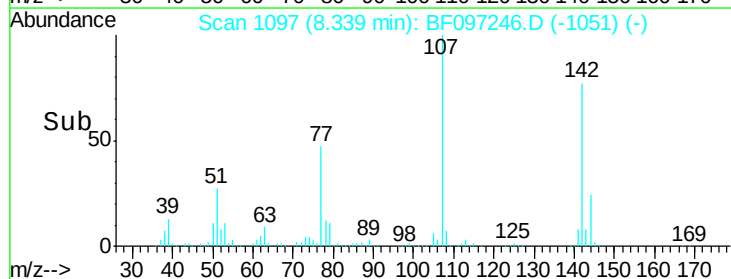
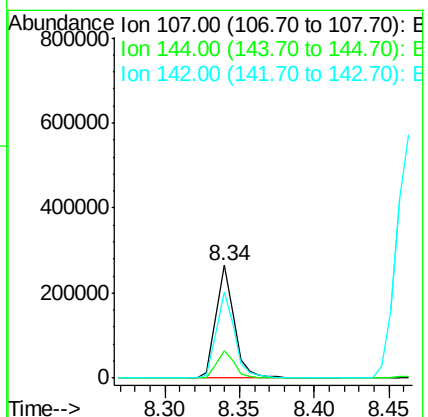
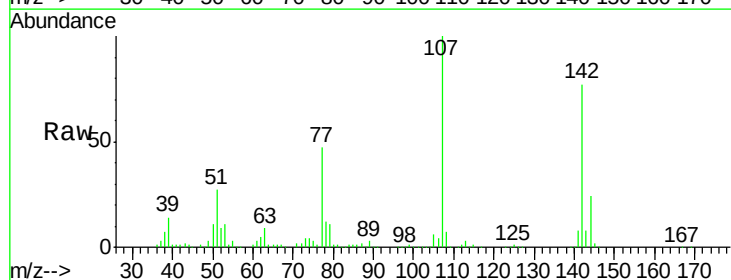
Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

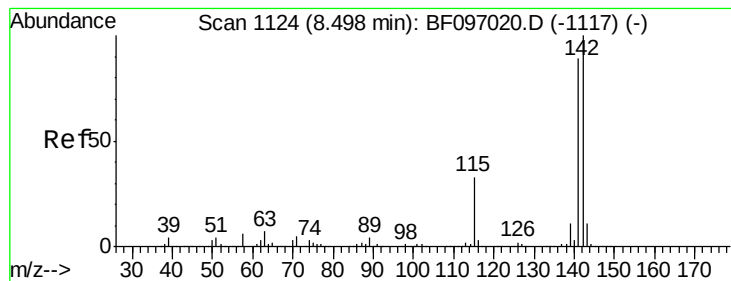
Tot Ion:113 Resp: 55824
 Ion Ratio Lower Upper
 113 100
 55 251.5 150.2 190.2#
 56 177.0 107.8 147.8#



#36
 4-Chloro-3-methylphenol
 Concen: 36.13 ng
 RT: 8.34 min Scan# 1097
 Delta R.T. -0.03 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion:107 Resp: 227905
 Ion Ratio Lower Upper
 107 100
 144 24.4 24.2 36.4
 142 76.6 73.4 110.0





#37

2-Methylnaphthalene

Concen: 40.59 ng

RT: 8.46 min Scan# 1118

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

ClientSampleId :

HDD-PILWC4MSD

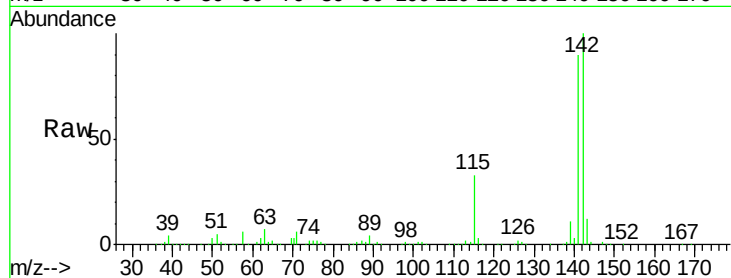
Tot Ion:142 Resp: 513159

Ion Ratio Lower Upper

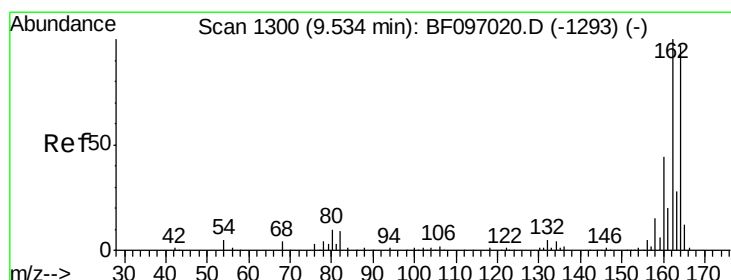
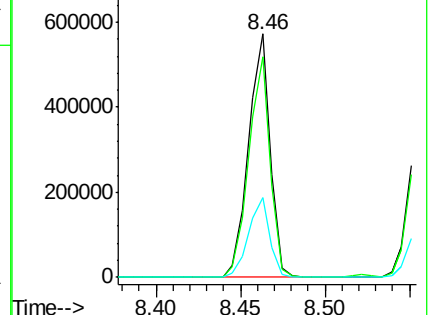
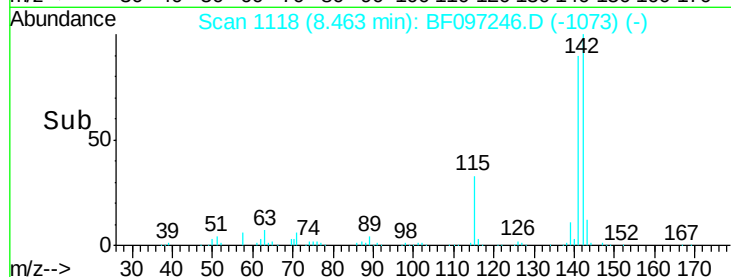
142 100

141 90.4 71.3 106.9

115 32.7 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.49 min Scan# 1293

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

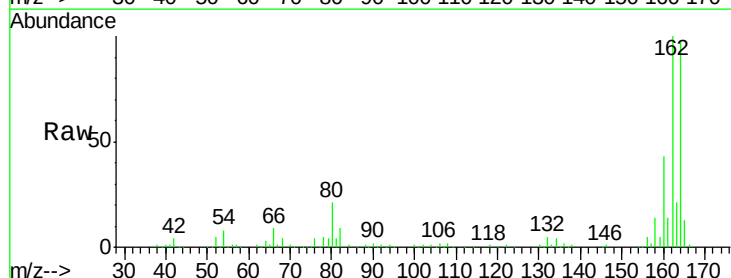
Tgt Ion:164 Resp: 158996

Ion Ratio Lower Upper

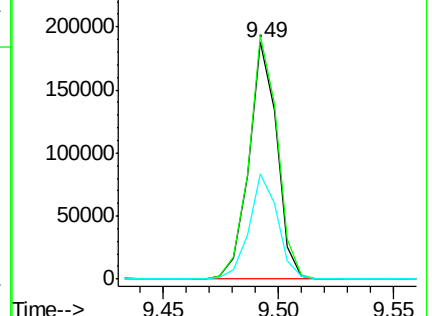
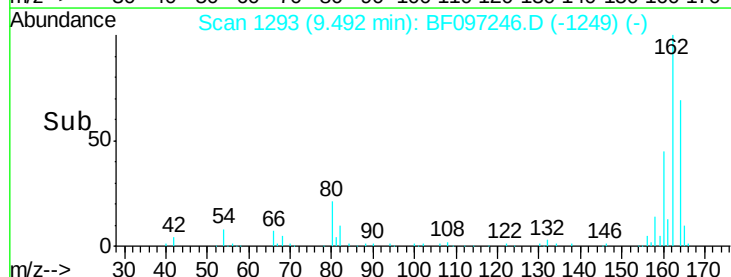
164 100

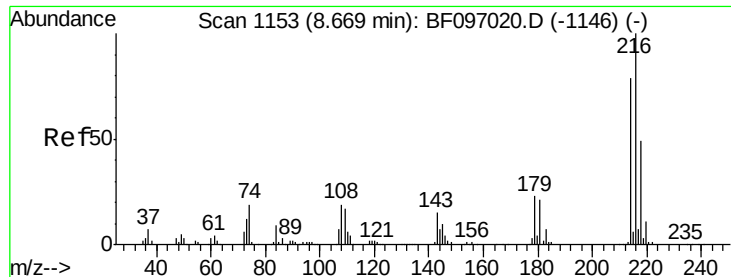
162 102.8 82.6 123.8

160 44.3 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 41.83 ng

RT: 8.63 min Scan# 1147

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

ClientSampleId :

HDD-PILWC4MSD

Tot Ion:216 Resp: 177476

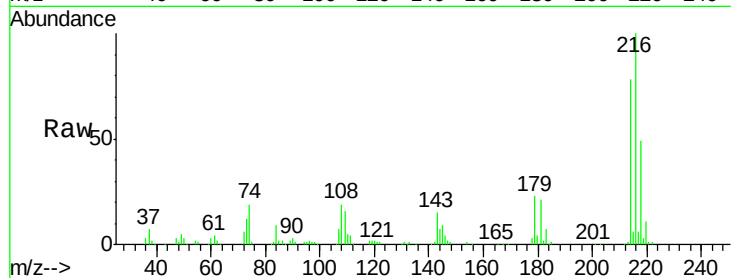
Ion Ratio Lower Upper

216 100

214 77.9 63.4 95.2

179 22.9 17.9 26.9

108 21.9 16.5 24.7

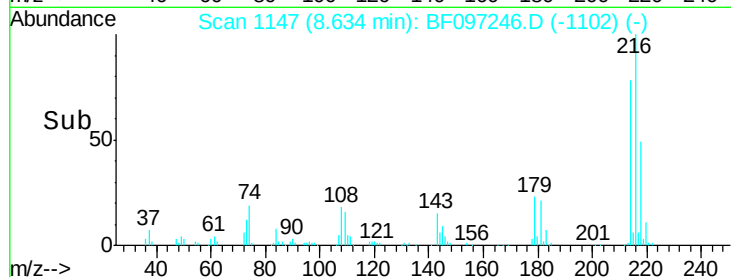


Abundance Ion 216.00 (215.70 to 216.70): E

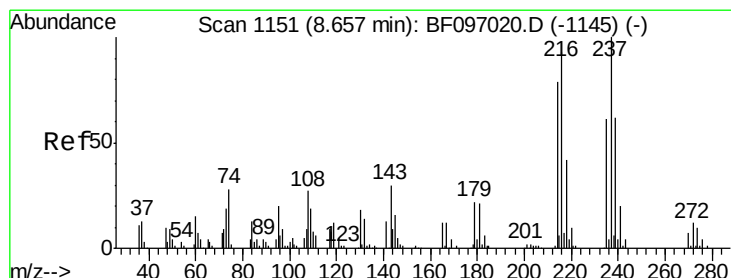
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time-->



#40

Hexachlorocyclopentadiene

Concen: 16.15 ng

RT: 8.62 min Scan# 1144

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

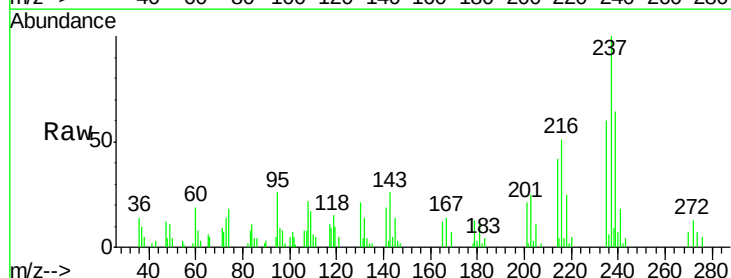
Tgt Ion:237 Resp: 15446

Ion Ratio Lower Upper

237 100

235 60.0 42.6 82.6

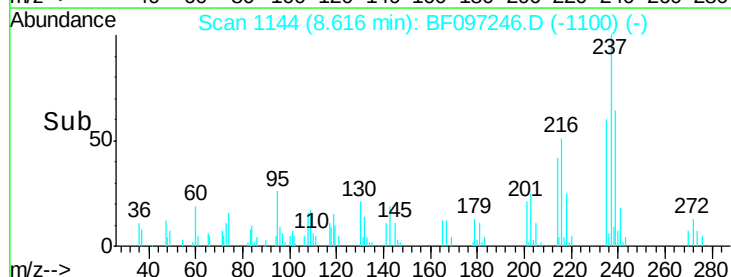
272 13.0 0.0 31.9



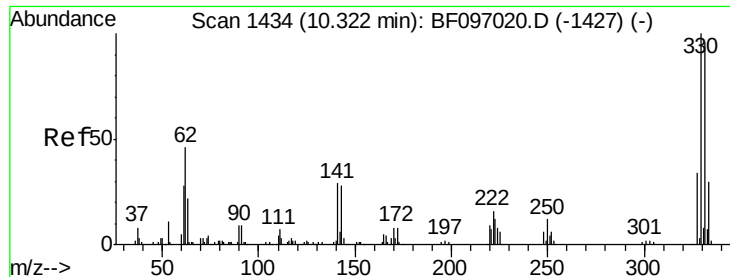
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Time-->



#41

2,4,6-Tribromophenol

Concen: 97.19 ng

RT: 10.29 min Scan# 1428

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

ClientSampleId :

HDD-PILWC4MSD

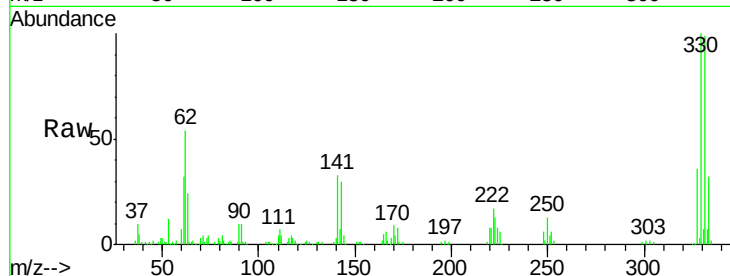
Tot Ion:330 Resp: 122091

Ion Ratio Lower Upper

330 100

332 97.3 76.6 115.0

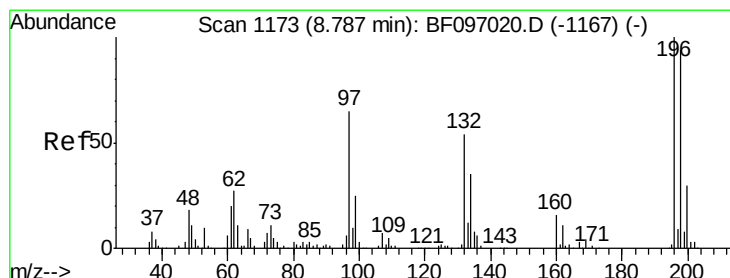
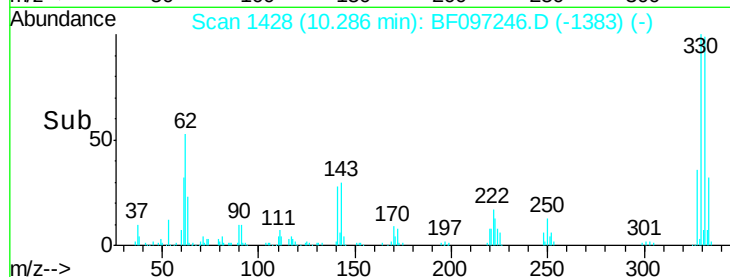
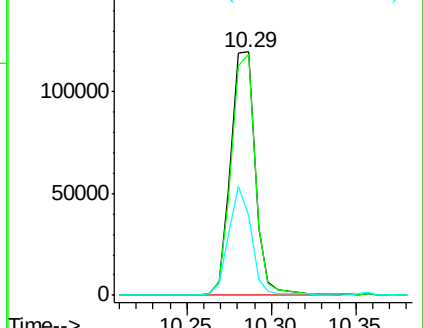
141 41.1 31.4 47.2



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: 38.75 ng

RT: 8.76 min Scan# 1168

Delta R.T. -0.03 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

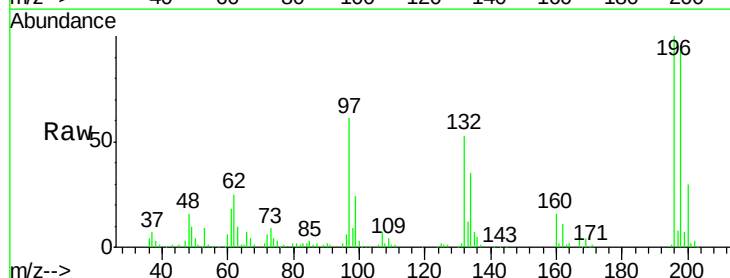
Tgt Ion:196 Resp: 119136

Ion Ratio Lower Upper

196 100

198 95.5 74.2 111.4

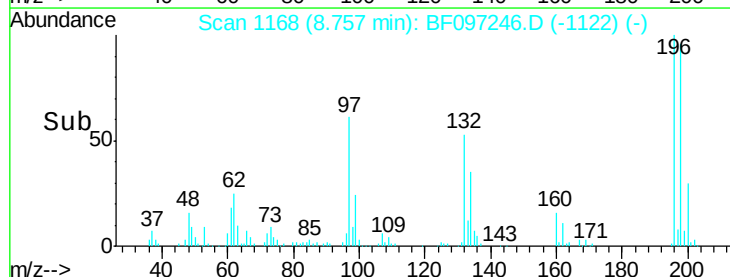
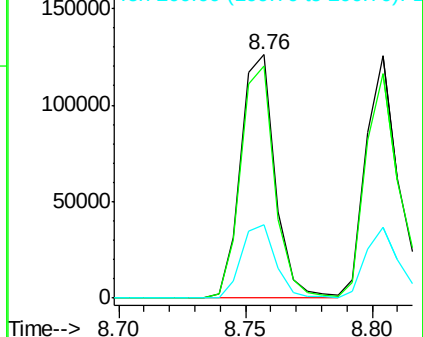
200 30.2 24.0 36.0

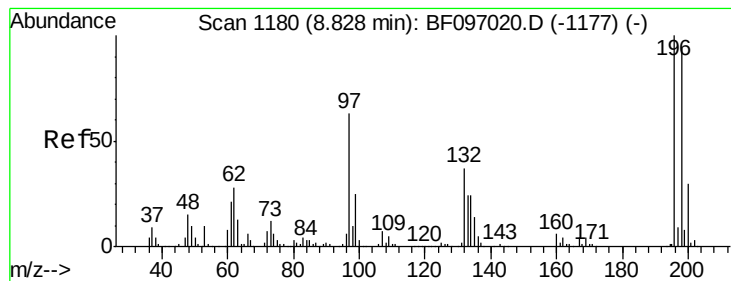


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





#43

2,4,5-Trichlorophenol

Concen: 39.27 ng

RT: 8.80 min Scan# 1176

Delta R.T. -0.02 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

ClientSampleId :

HDD-PILWC4MSD

Tot Ion:196 Resp: 120837

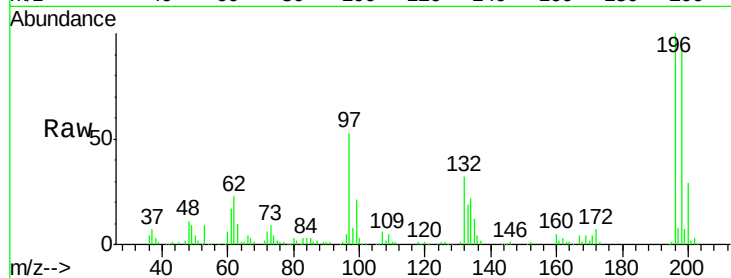
Ion Ratio Lower Upper

196 100

198 93.0 75.7 113.5

97 53.4 47.7 71.5

132 32.3 28.0 42.0

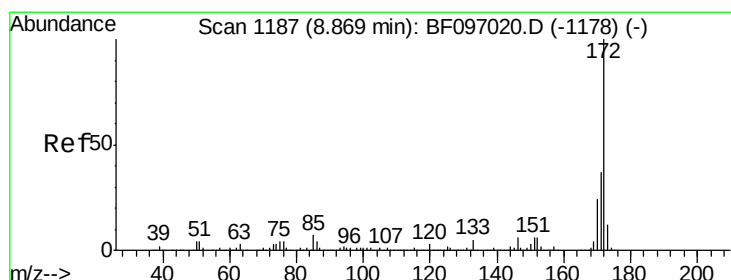
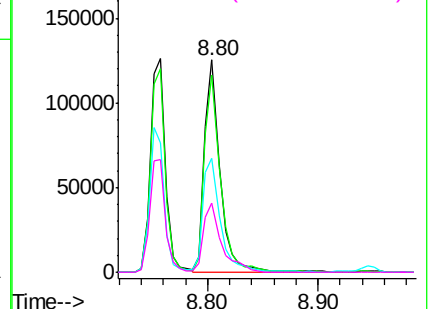
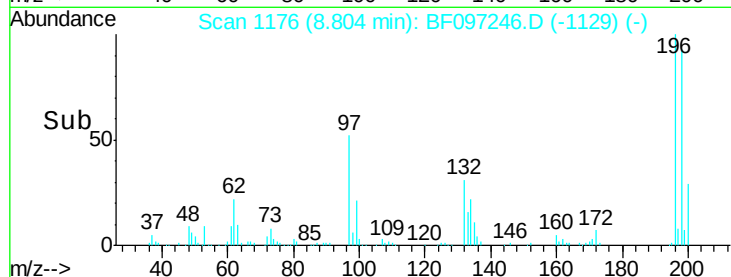


Abundance Ion 196.00 (195.70 to 196.70): E

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: 84.49 ng

RT: 8.83 min Scan# 1180

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

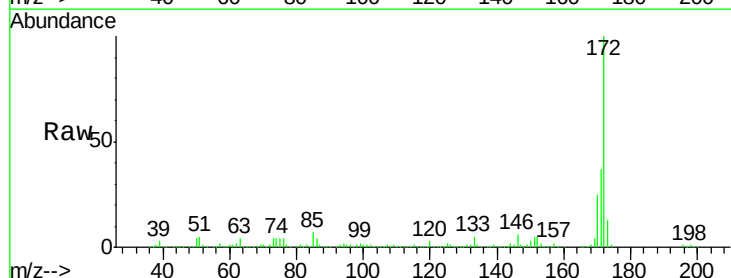
Tgt Ion:172 Resp: 791516

Ion Ratio Lower Upper

172 100

171 36.5 29.6 44.4

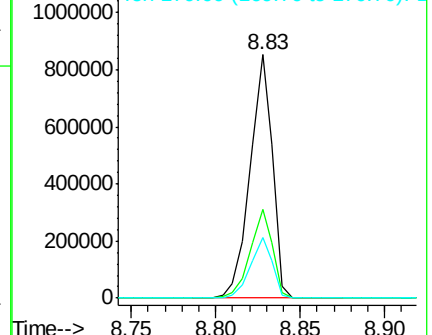
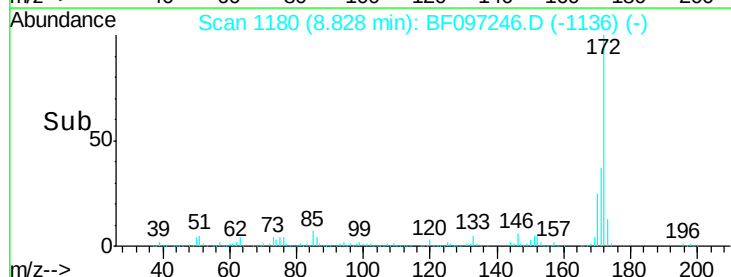
170 24.7 19.8 29.8

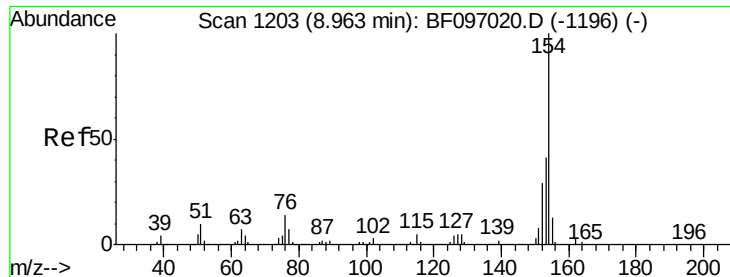


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 36.98 ng

RT: 8.93 min Scan# 1197

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

ClientSampleId :

HDD-PILWC4MSD

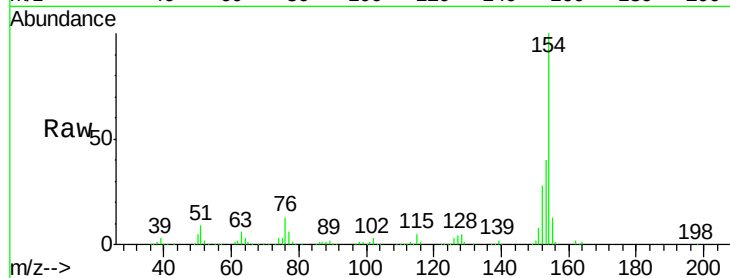
Tot Ion:154 Resp: 502221

Ion Ratio Lower Upper

154 100

153 40.3 21.2 61.2

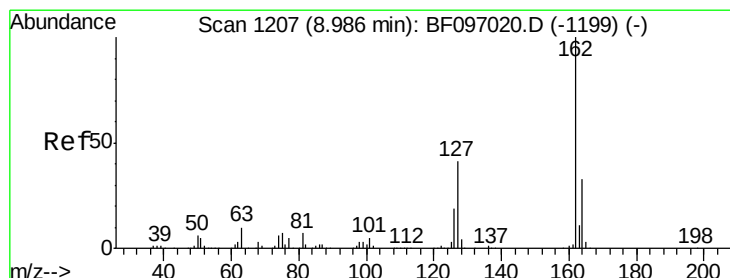
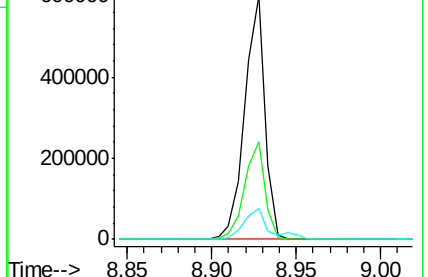
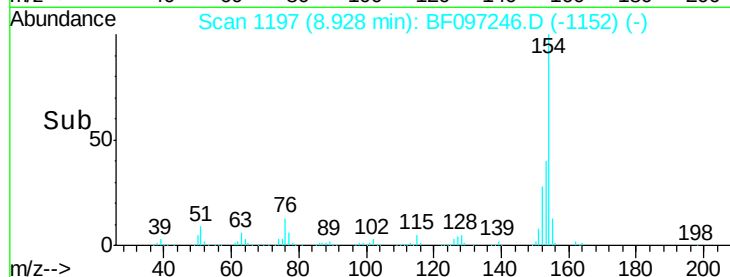
76 12.6 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 39.69 ng

RT: 8.95 min Scan# 1200

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

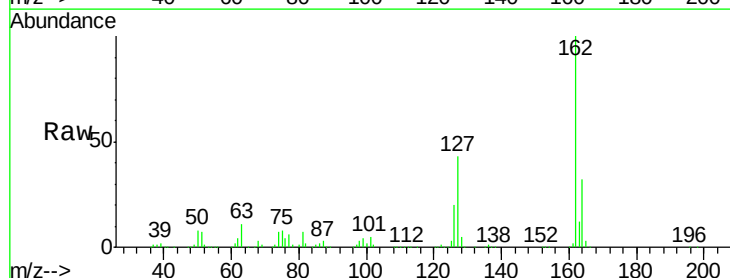
Tgt Ion:162 Resp: 396617

Ion Ratio Lower Upper

162 100

127 43.3 28.3 42.5#

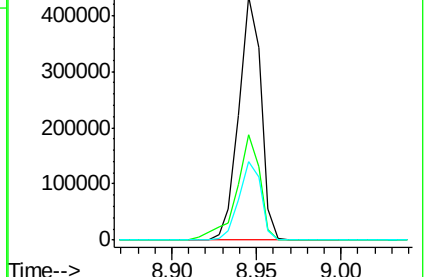
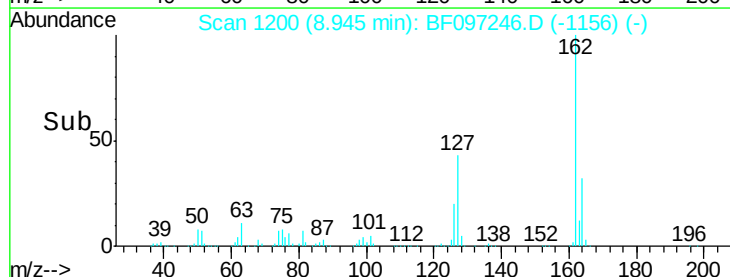
164 32.5 27.0 40.4

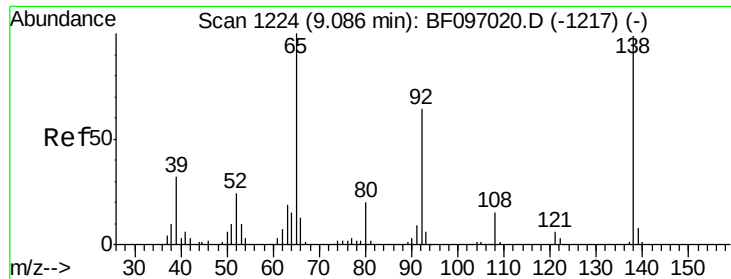


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

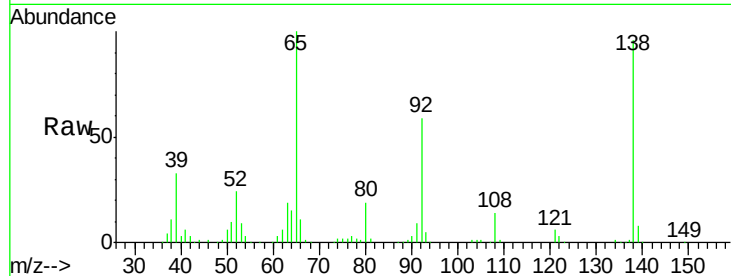




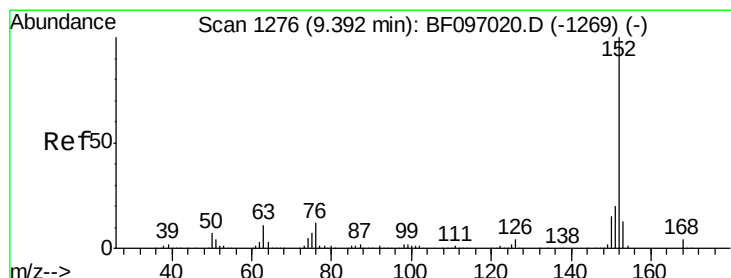
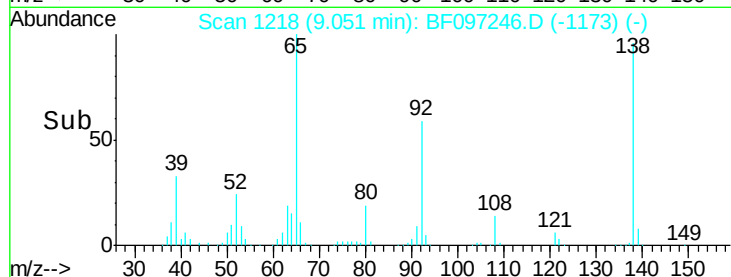
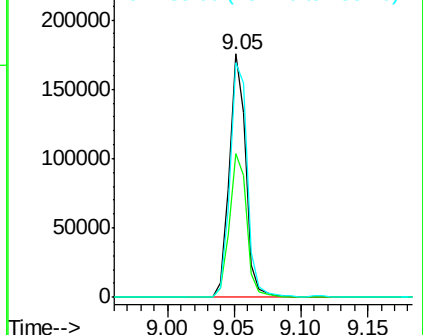
#47
2-Nitroaniline
Concen: 42.44 ng
RT: 9.05 min Scan# 1218
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

Tot Ion: 65 Resp: 153913
Ion Ratio Lower Upper
65 100
92 59.3 53.9 80.9
138 96.5 78.8 118.2

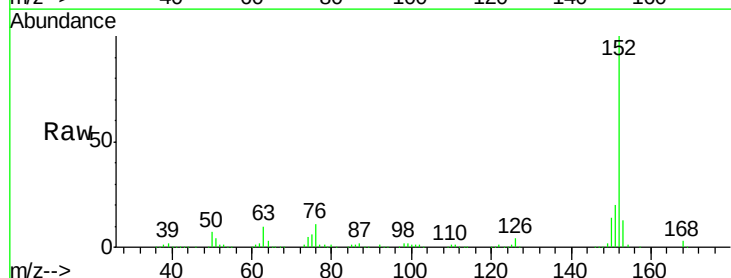


Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E

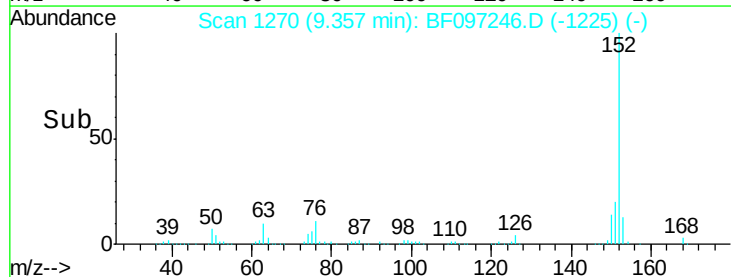
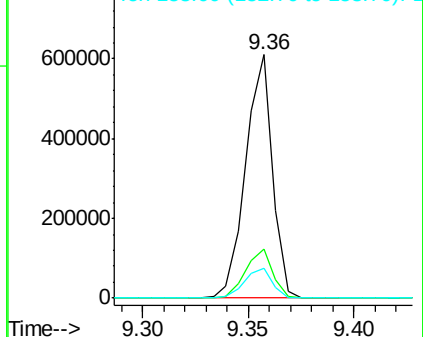


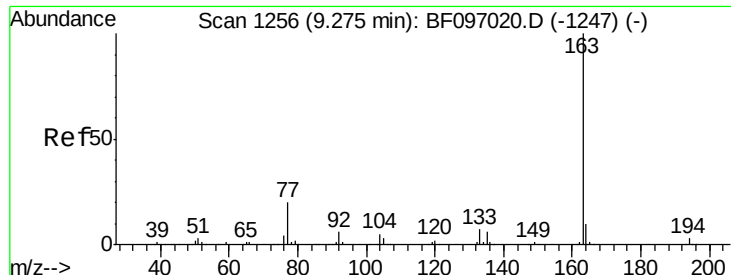
#48
Acenaphthylene
Concen: 35.06 ng
RT: 9.36 min Scan# 1270
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion: 152 Resp: 537743
Ion Ratio Lower Upper
152 100
151 20.0 16.8 25.2
153 12.5 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

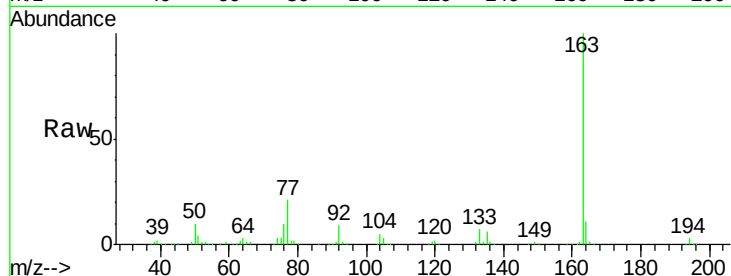




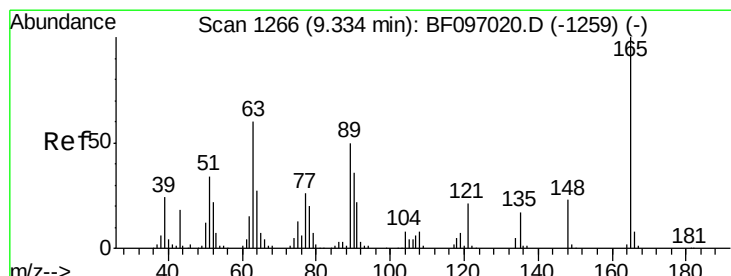
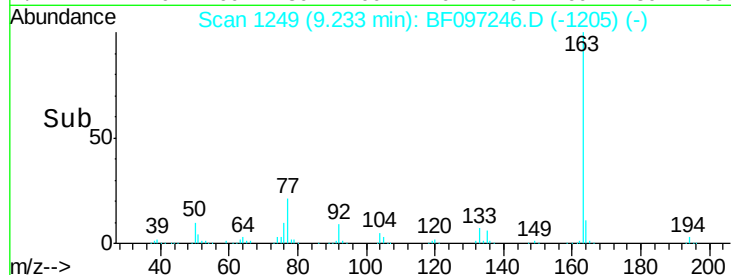
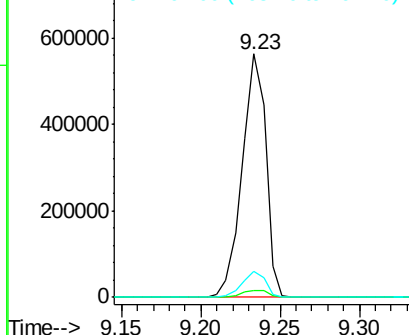
#49
Dimethylphthalate
Concen: 48.33 ng
RT: 9.23 min Scan# 1249
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

Tot Ion:163 Resp: 583559
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.5 8.4 12.6

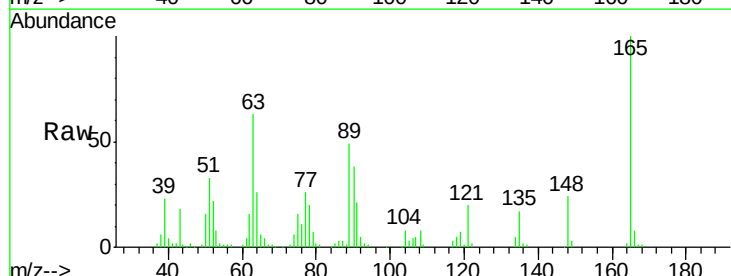


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

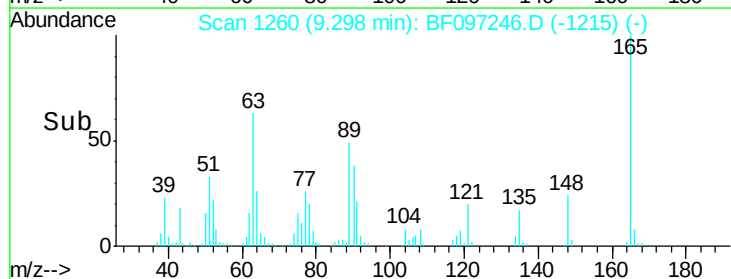
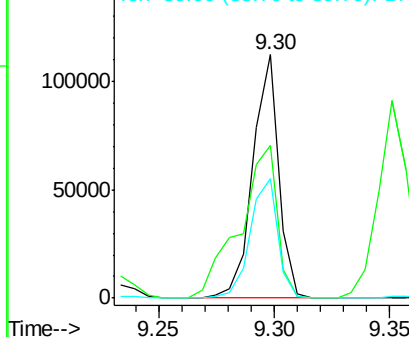


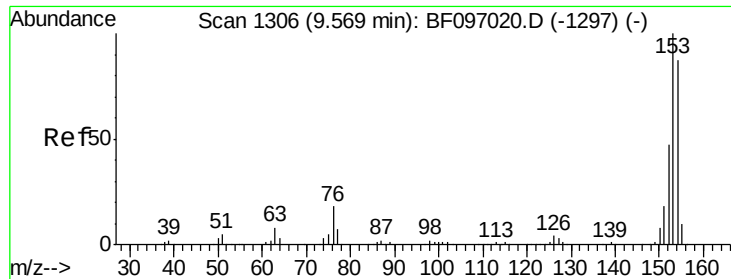
#50
2,6-Dinitrotoluene
Concen: 34.51 ng
RT: 9.30 min Scan# 1260
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion:165 Resp: 88371
Ion Ratio Lower Upper
165 100
63 62.5 34.3 51.5#
89 49.1 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: 38.01 ng

RT: 9.53 min Scan# 1299

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

ClientSampleId :

HDD-PILWC4MSD

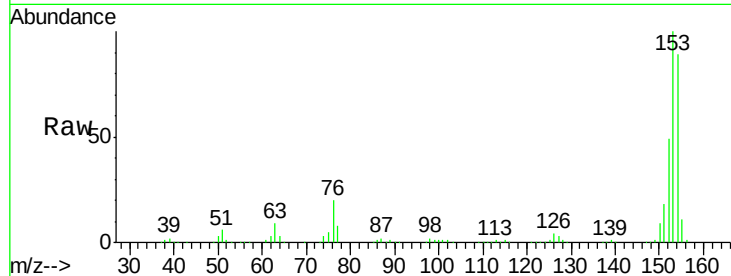
Tot Ion:154 Resp: 343443

Ion Ratio Lower Upper

154 100

153 112.8 90.5 135.7

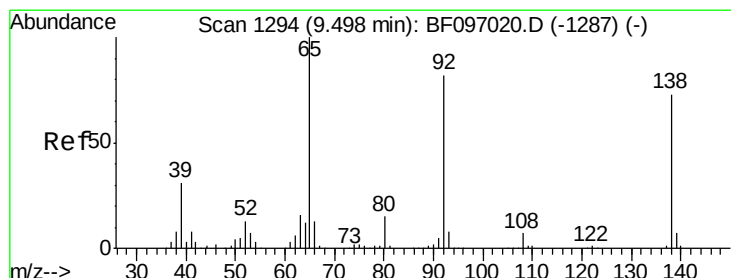
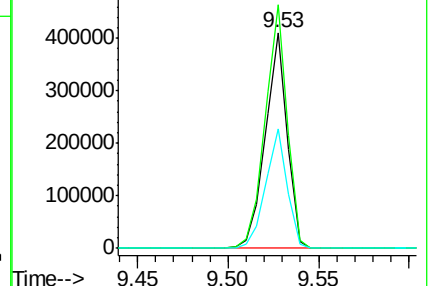
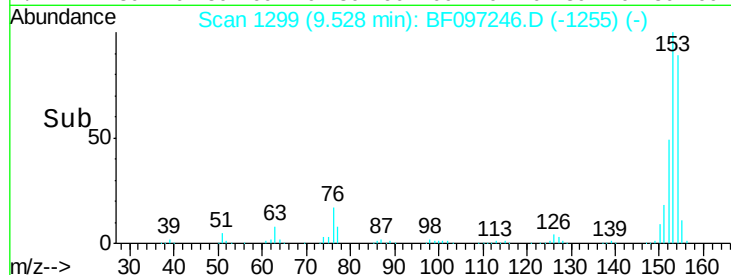
152 55.1 43.6 65.4



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: 29.54 ng

RT: 9.46 min Scan# 1288

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

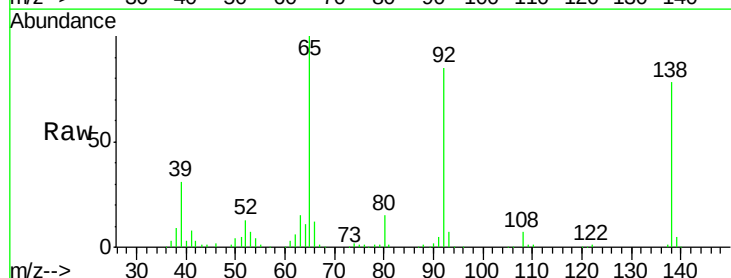
Tgt Ion:138 Resp: 93880

Ion Ratio Lower Upper

138 100

108 9.2 9.1 13.7

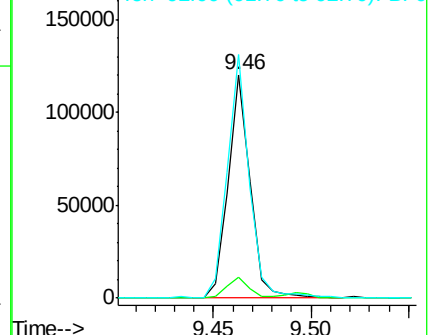
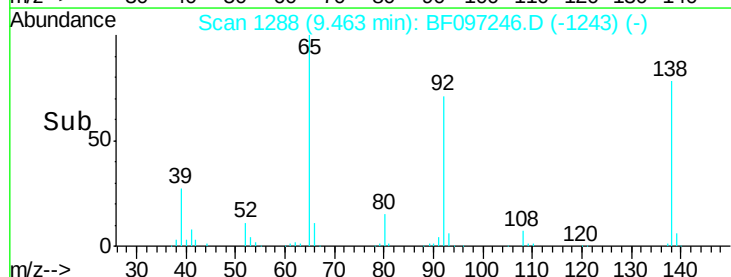
92 109.1 93.8 140.6

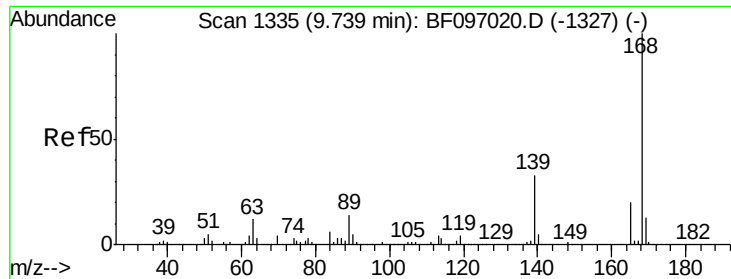


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

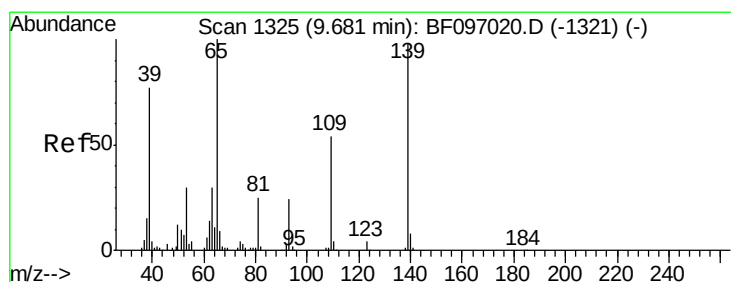
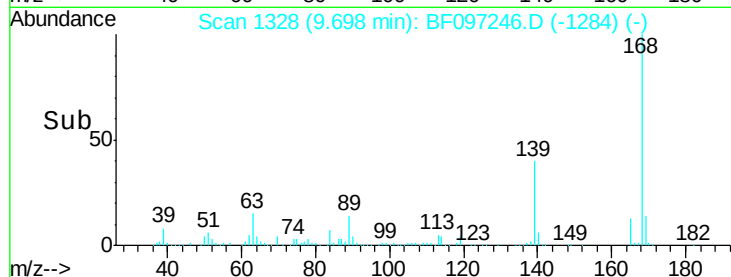
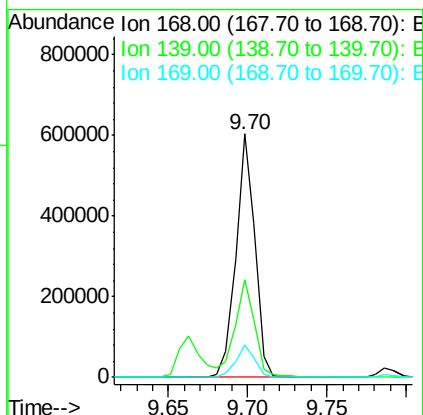
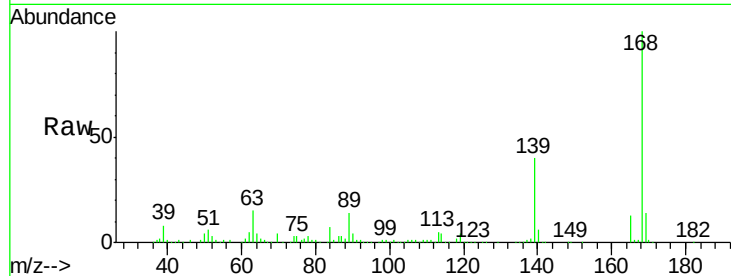




#54
Dibenzenofuran
Concen: 41.39 ng
RT: 9.70 min Scan# 1328
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

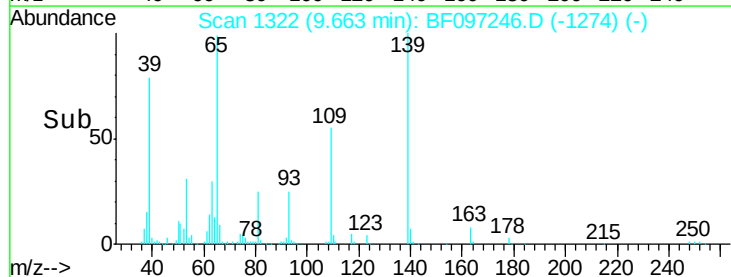
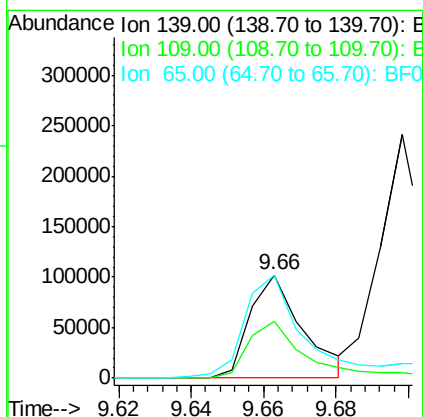
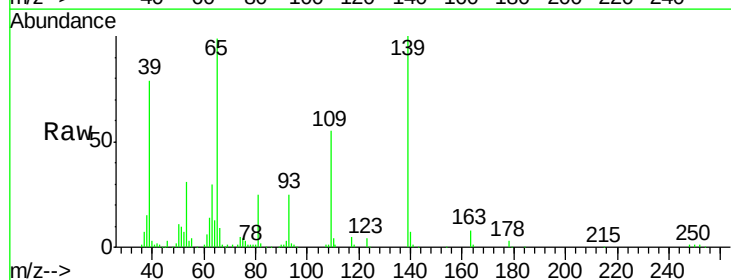
Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

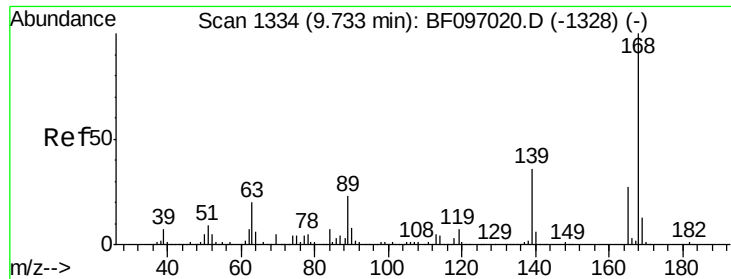
Tot Ion	Ratio	Lower	Upper
168	100		
139	39.9	30.6	45.8
169	13.6	10.8	16.2



#55
4-Nitrophenol
Concen: 54.29 ng
RT: 9.66 min Scan# 1322
Delta R.T. -0.02 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
139	100		
109	55.4	34.1	74.1
65	98.9	31.4	71.4#

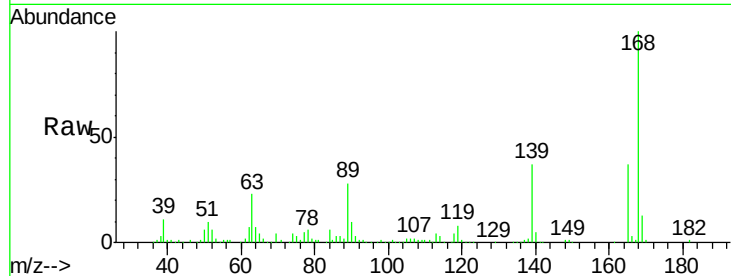




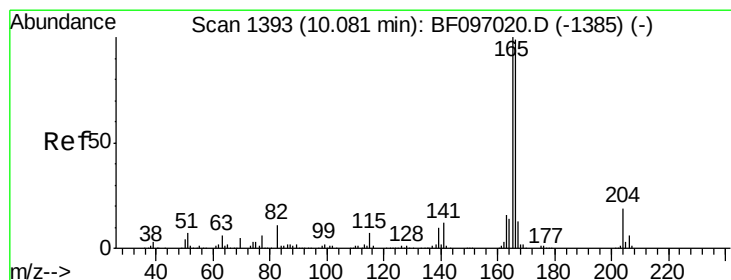
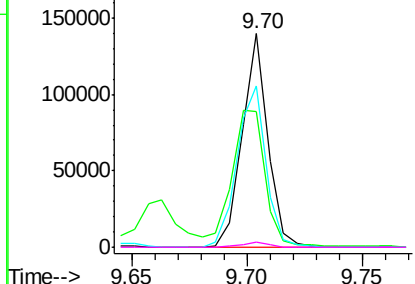
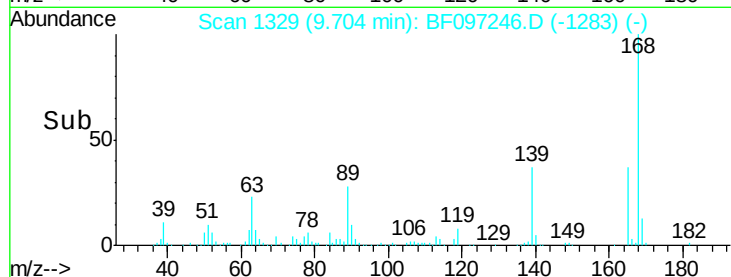
#56
 2,4-Dinitrotoluene
 Concen: 36.71 ng
 RT: 9.70 min Scan# 1329
 Delta R.T. -0.03 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

Tot Ion:165 Resp: 108063
 Ion Ratio Lower Upper
 165 100
 63 63.4 25.4 38.0#
 89 75.5 46.4 69.6#
 182 2.5 1.8 2.6

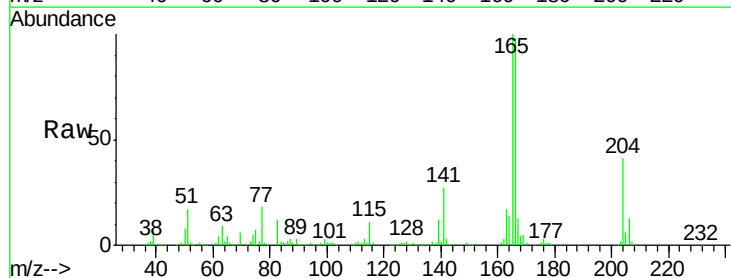


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

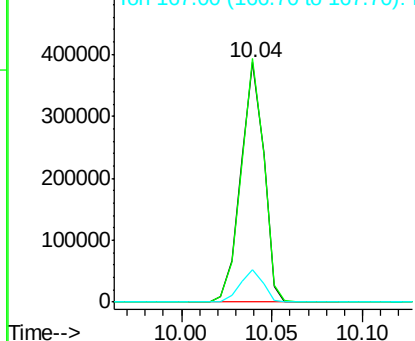
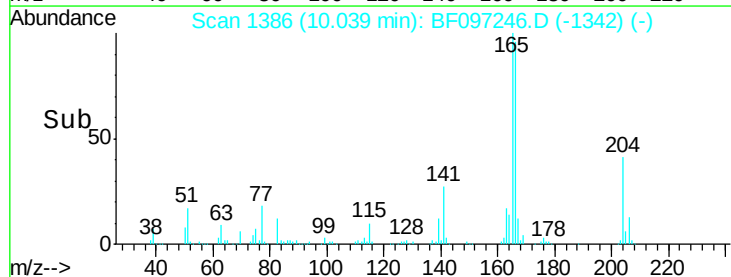


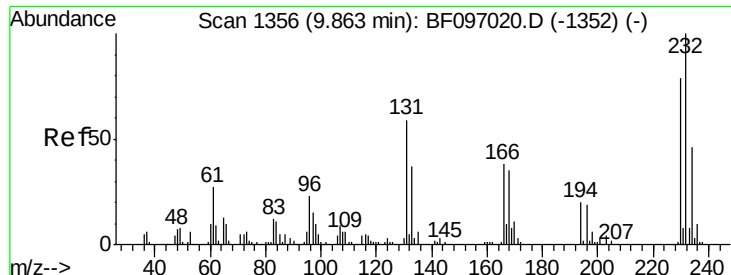
#57
 Fluorene
 Concen: 37.75 ng
 RT: 10.04 min Scan# 1386
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion:166 Resp: 341488
 Ion Ratio Lower Upper
 166 100
 165 101.7 78.8 118.2
 167 13.4 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

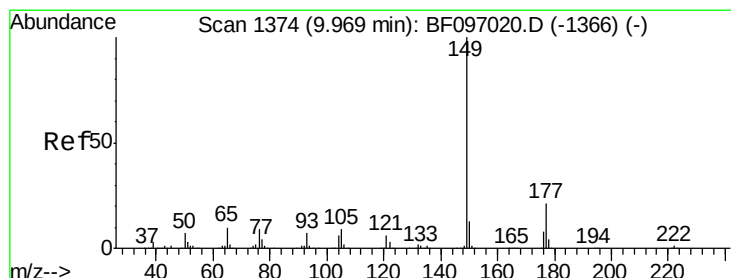
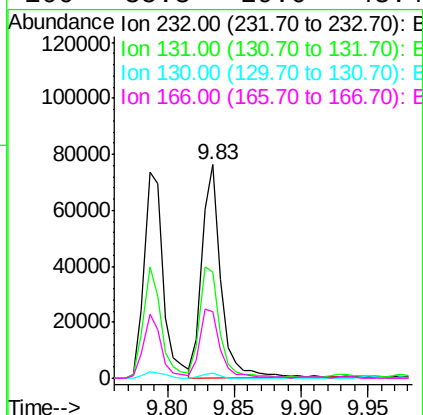
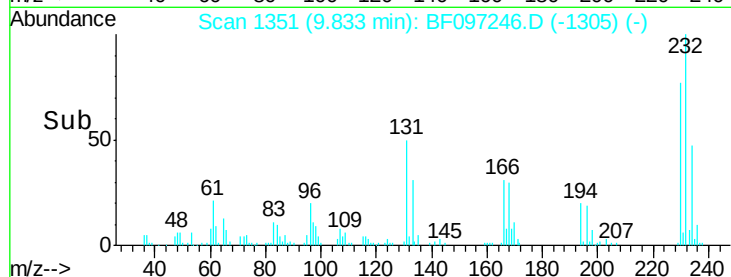
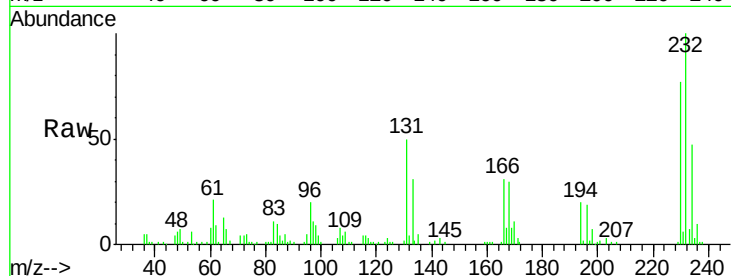




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 35.17 ng
 RT: 9.83 min Scan# 1351
 Delta R.T. -0.03 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

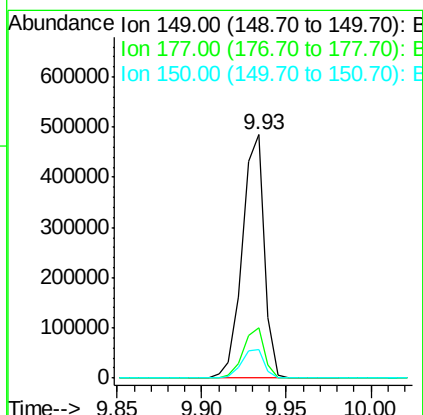
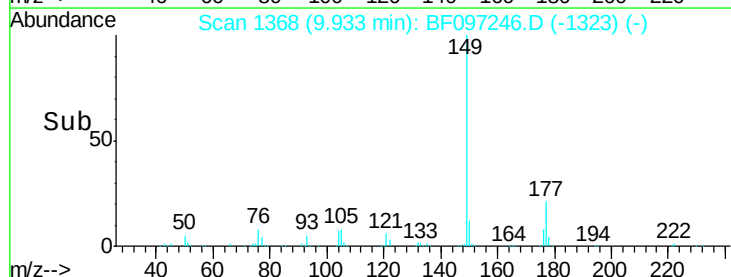
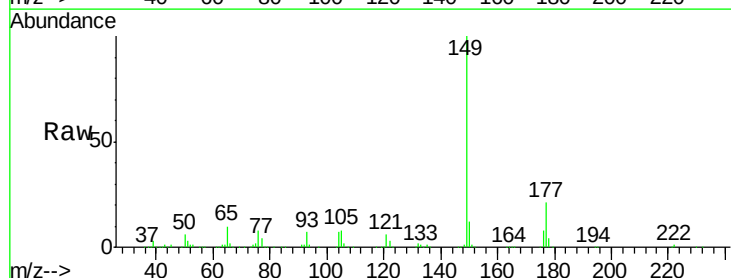
Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

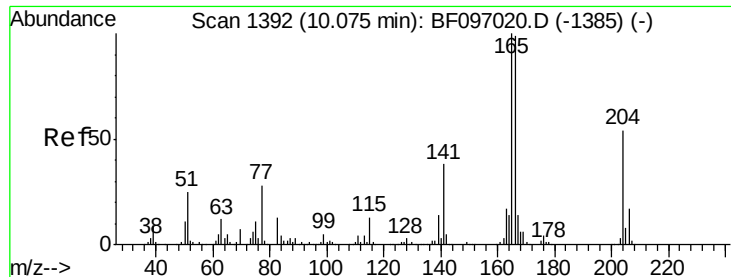
Tot Ion:232 Resp: 74730
 Ion Ratio Lower Upper
 232 100
 131 53.3 44.8 67.2
 130 2.2 2.3 3.5#
 166 35.3 29.0 43.4



#59
 Diethylphthalate
 Concen: 39.87 ng
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion:149 Resp: 441663
 Ion Ratio Lower Upper
 149 100
 177 20.6 16.7 25.1
 150 11.9 10.2 15.2

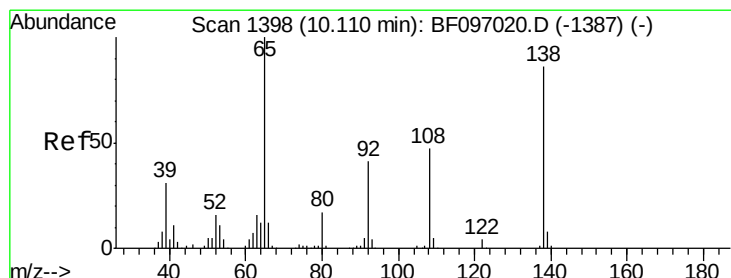
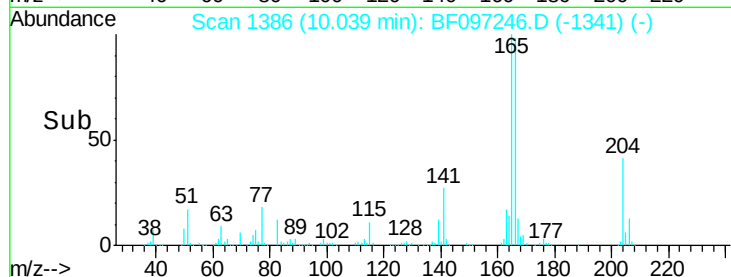
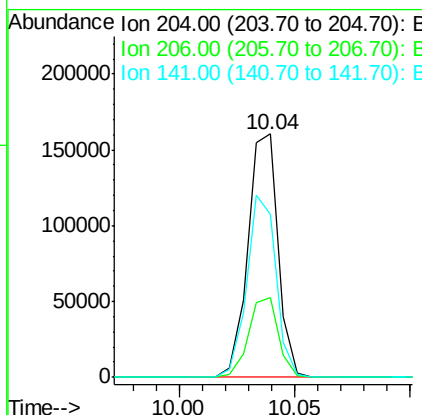
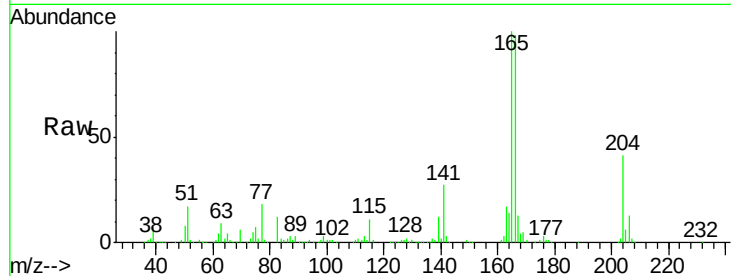




#60
4-Chlorophenyl-phenylether
Concen: 39.27 ng
RT: 10.04 min Scan# 1386
Delta R.T. -0.03 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

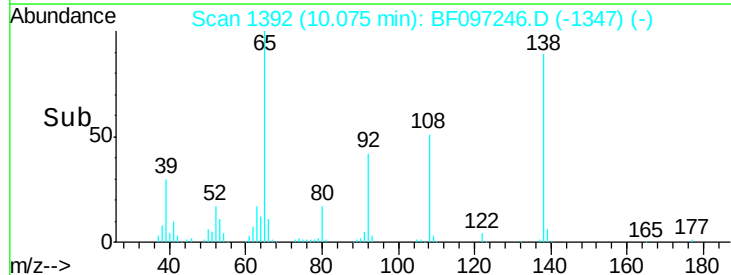
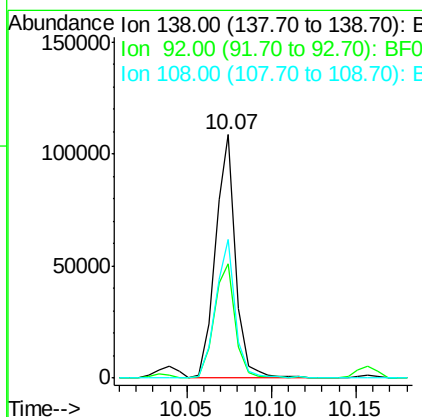
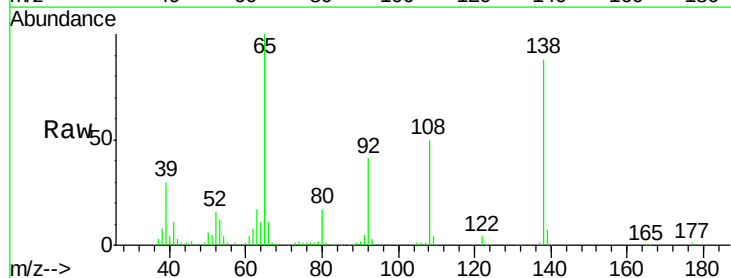
Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

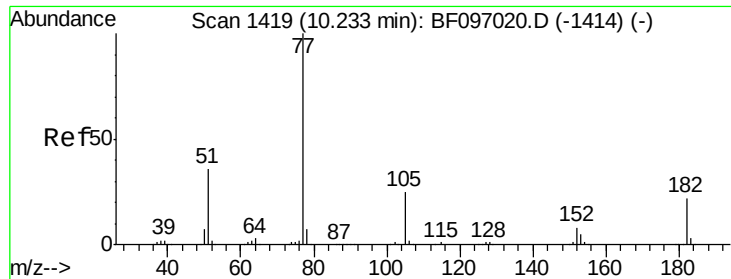
Tot Ion:204 Resp: 146684
Ion Ratio Lower Upper
204 100
206 33.0 26.2 39.2
141 66.9 60.8 91.2



#61
4-Nitroaniline
Concen: 30.13 ng
RT: 10.07 min Scan# 1392
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion:138 Resp: 90994
Ion Ratio Lower Upper
138 100
92 47.1 21.8 61.8
108 56.9 42.3 82.3

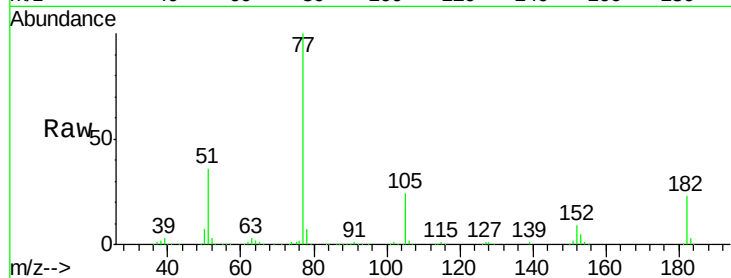




#62
Azobenzene
Concen: 40.35 ng
RT: 10.20 min Scan# 1413
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	22.7	0.1	40.1
105	24.1	3.6	43.6
51	36.1	9.4	49.4

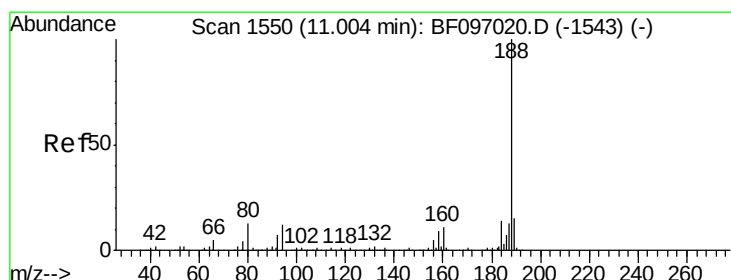
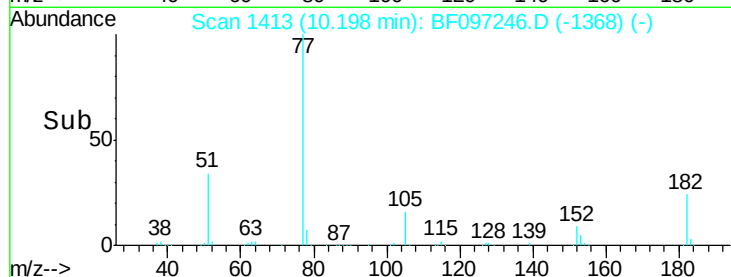
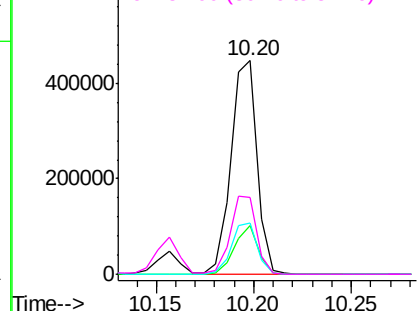


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

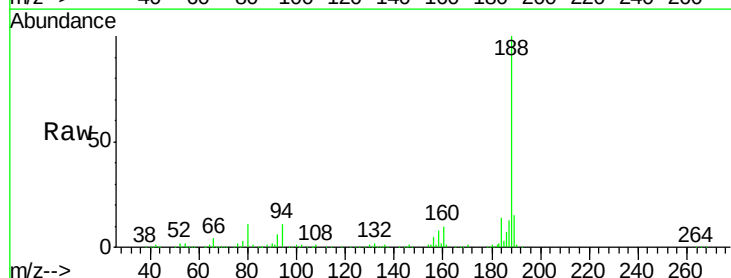
Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.97 min Scan# 1544
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

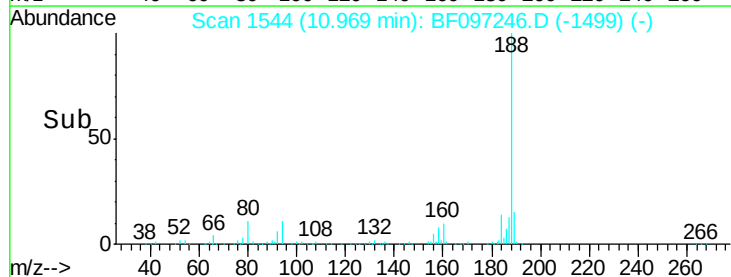
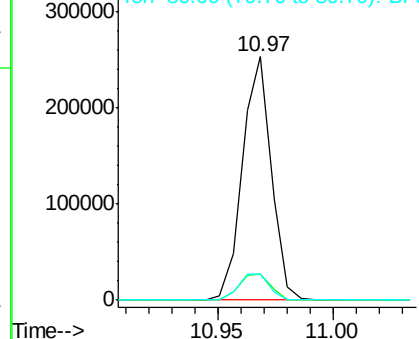
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	9.4	14.2
80	10.7	10.2	15.2

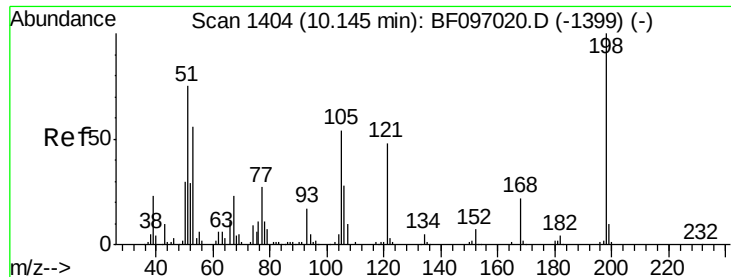


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

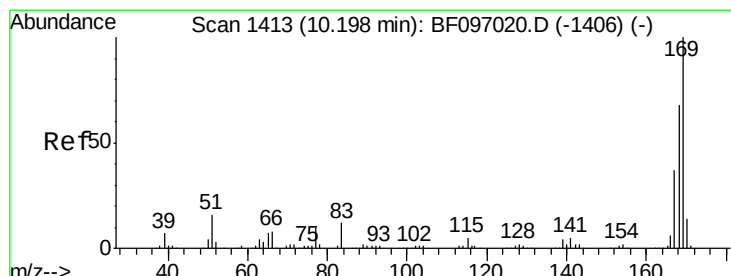
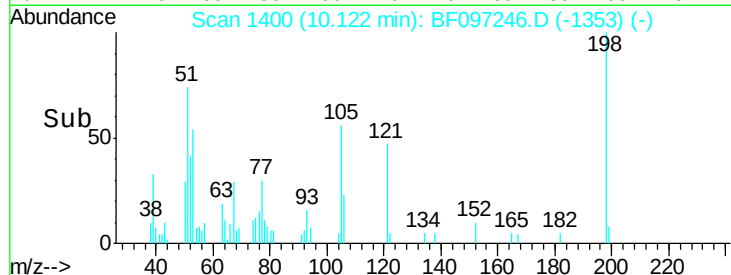
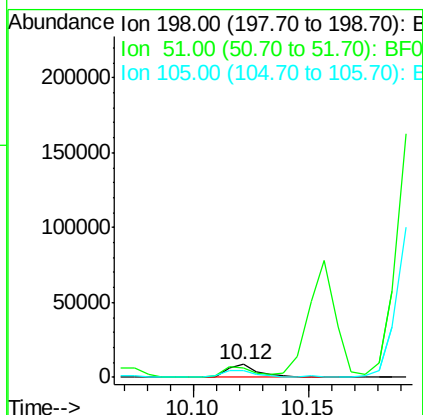
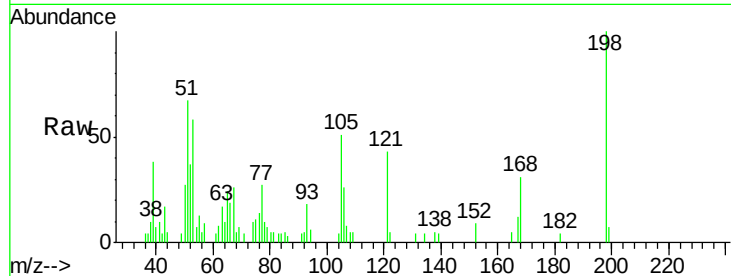




#64
4,6-Dinitro-2-methylphenol
Concen: 6.13 ng
RT: 10.12 min Scan# 1400
Delta R.T. -0.02 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

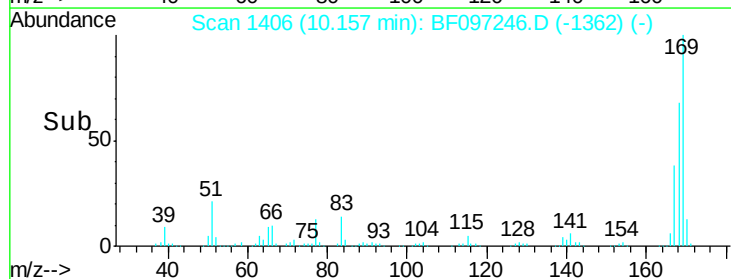
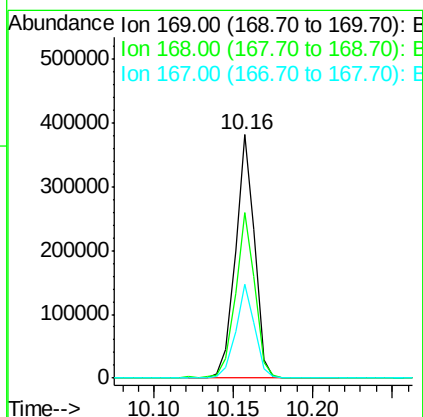
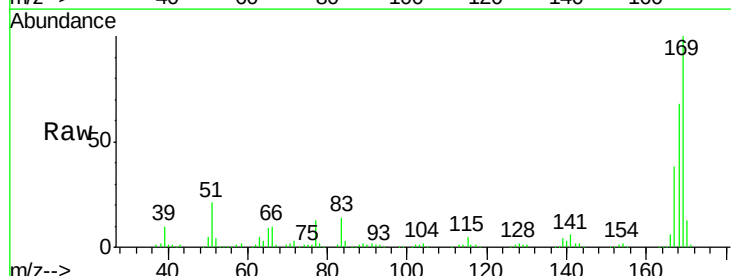
Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

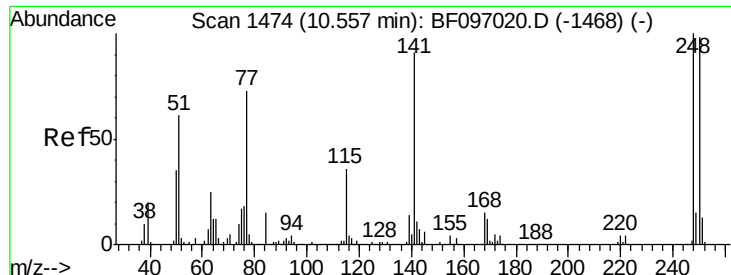
Tot Ion:198 Resp: 8403
Ion Ratio Lower Upper
198 100
51 67.3 53.2 93.2
105 50.8 45.8 85.8



#65
n-Nitrosodiphenylamine
Concen: 41.33 ng
RT: 10.16 min Scan# 1406
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion:169 Resp: 317163
Ion Ratio Lower Upper
169 100
168 68.1 53.2 79.8
167 38.5 29.5 44.3

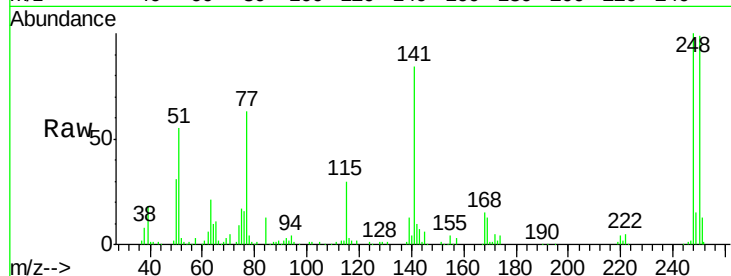




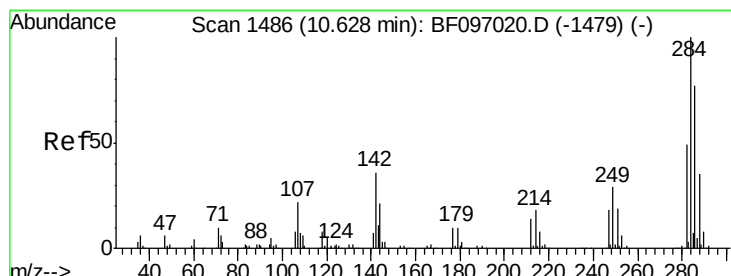
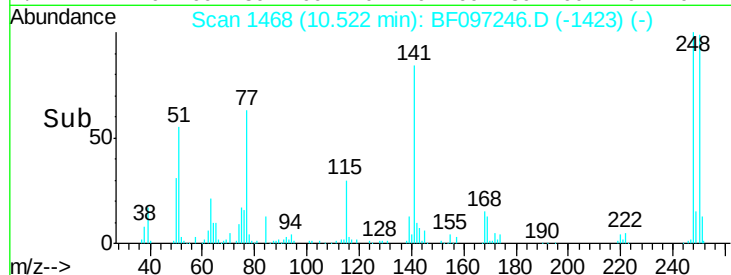
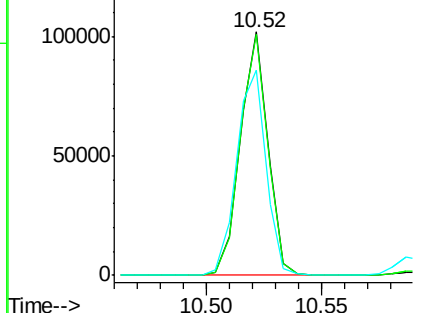
#66
 4-Bromophenyl-phenylether
 Concen: 38.59 ng
 RT: 10.52 min Scan# 1468
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

Tot Ion:248 Resp: 84952
 Ion Ratio Lower Upper
 248 100
 250 99.1 76.8 115.2
 141 84.3 68.6 103.0

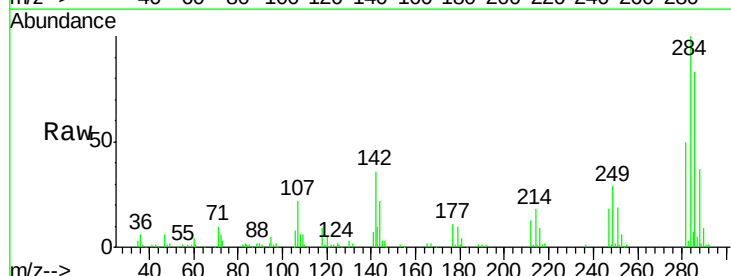


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

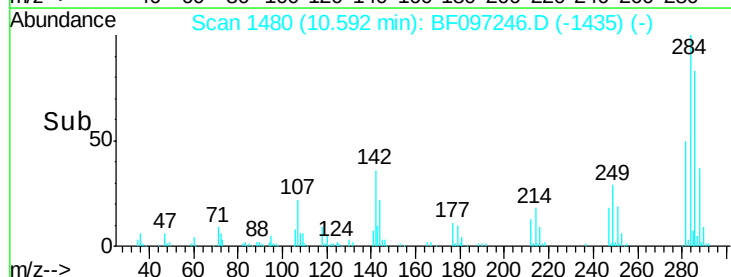
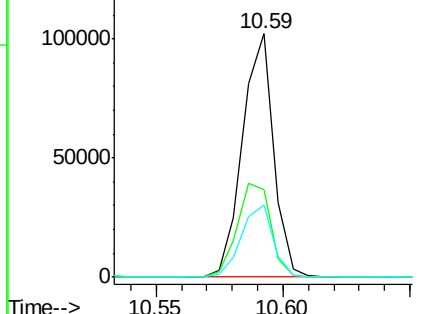


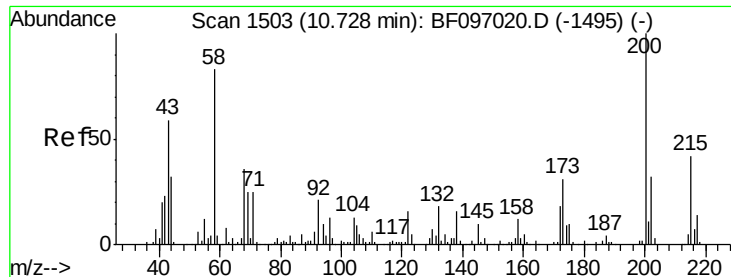
#67
 Hexachlorobenzene
 Concen: 35.24 ng
 RT: 10.59 min Scan# 1480
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion:284 Resp: 86999
 Ion Ratio Lower Upper
 284 100
 142 35.9 22.8 34.2#
 249 29.4 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: 40.74 ng

RT: 10.69 min Scan# 1497

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

ClientSampleId :

HDD-PILWC4MSD

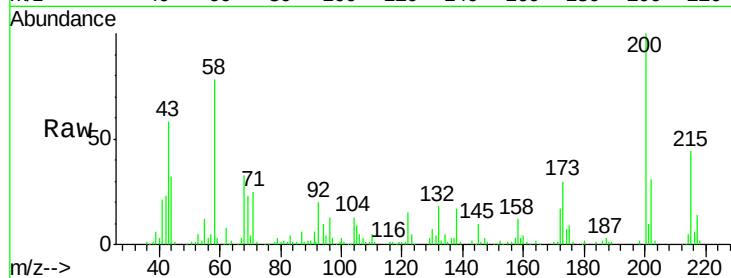
Tot Ion:200 Resp: 89653

Ion Ratio Lower Upper

200 100

173 29.7 6.3 46.3

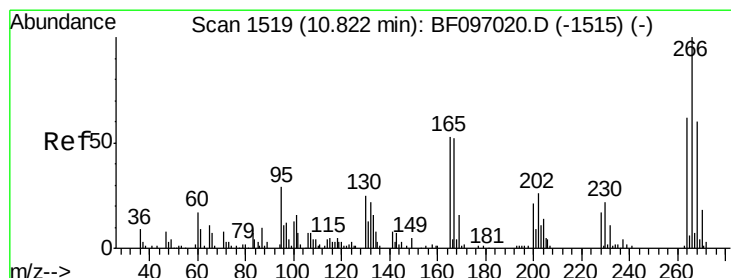
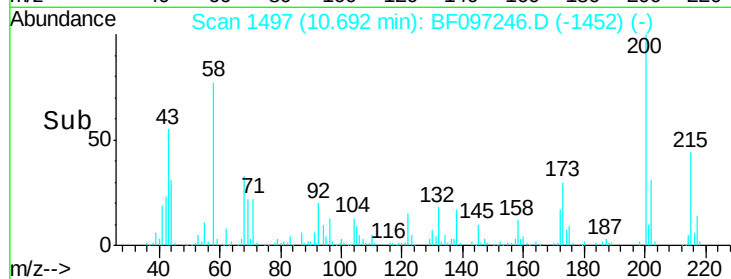
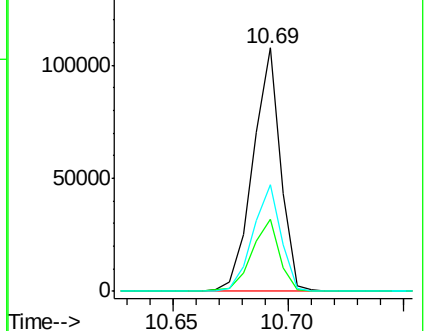
215 43.7 27.2 67.2



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#69

Pentachlorophenol

Concen: 59.54 ng

RT: 10.79 min Scan# 1514

Delta R.T. -0.03 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

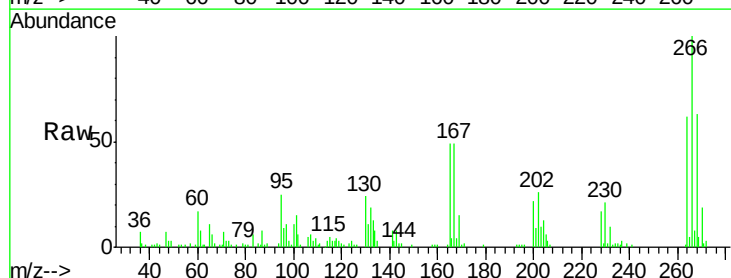
Tgt Ion:266 Resp: 60812

Ion Ratio Lower Upper

266 100

268 62.9 51.1 76.7

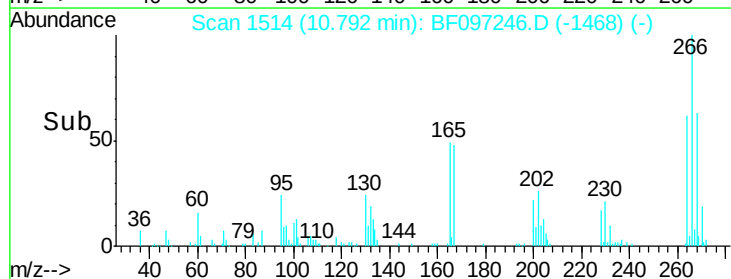
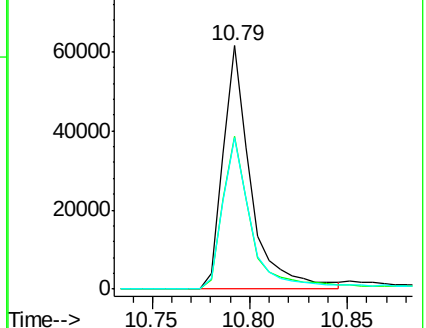
264 62.3 51.7 77.5

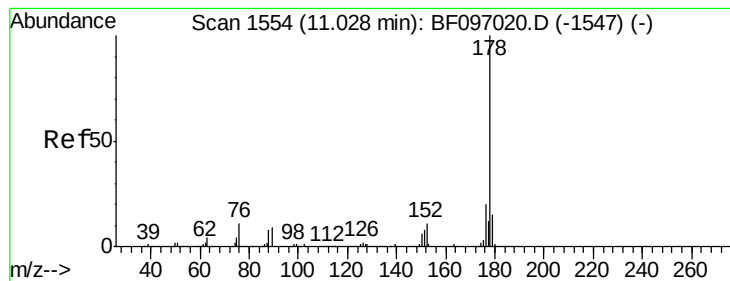


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 39.02 ng

RT: 10.99 min Scan# 1548

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

BNA_F

ClientSampleId :

HDD-PILWC4MSD

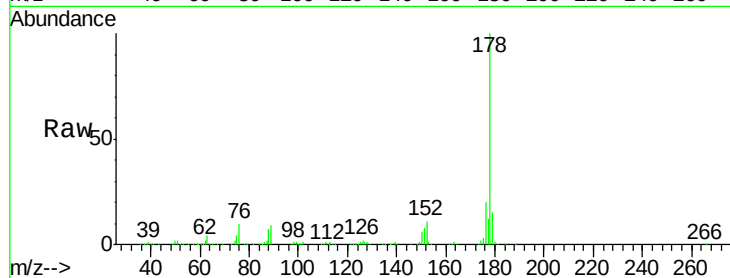
Tot Ion:178 Resp: 461207

Ion Ratio Lower Upper

178 100

176 20.2 16.2 24.4

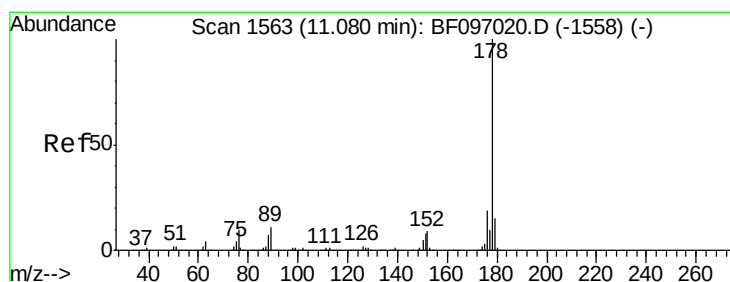
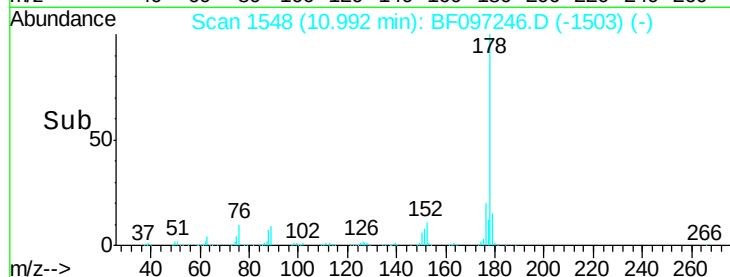
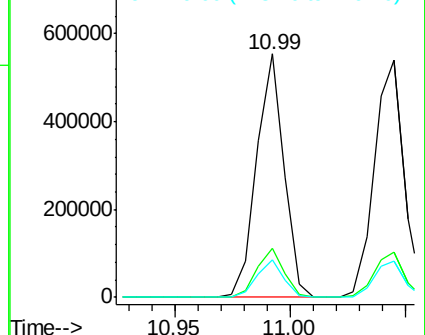
179 15.2 12.6 19.0



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: 39.64 ng

RT: 11.05 min Scan# 1557

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

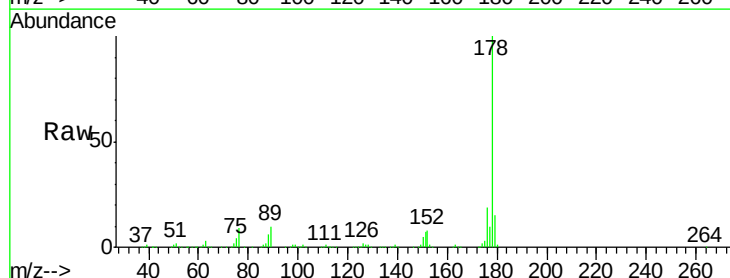
Tgt Ion:178 Resp: 479847

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

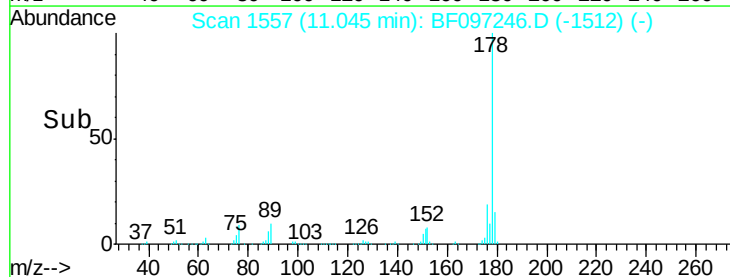
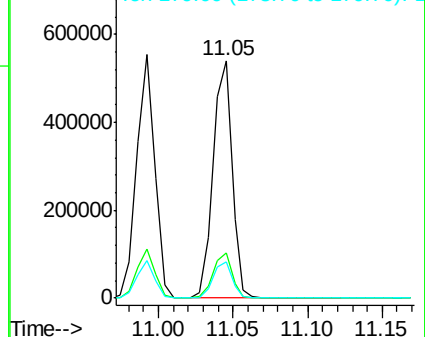
179 15.2 12.7 19.1

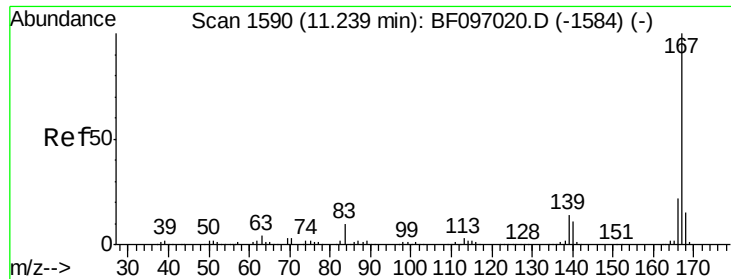


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

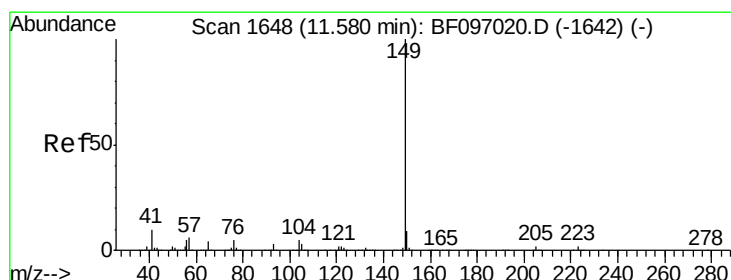
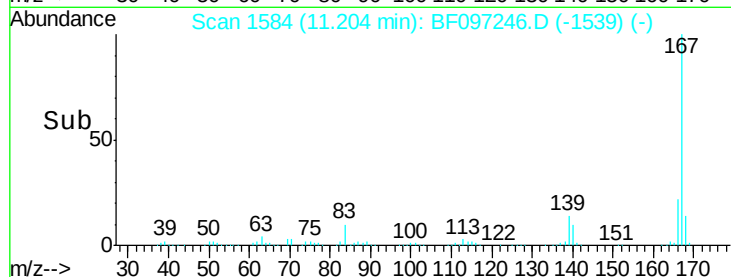
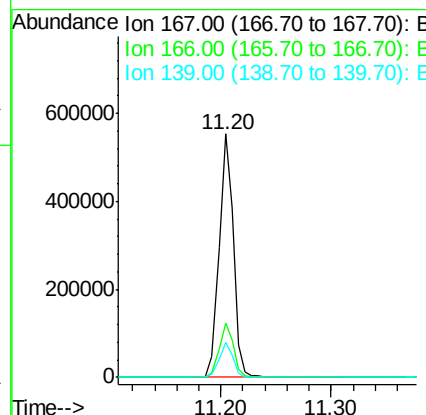
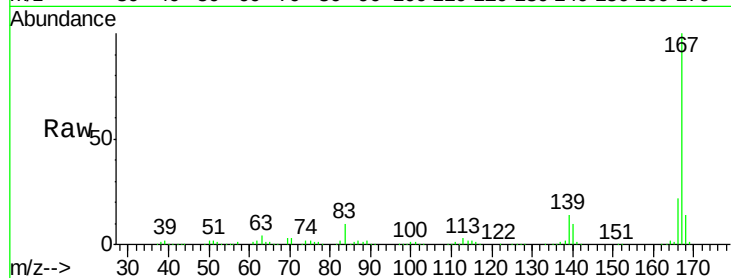




#72
 Carbazole
 Concen: 41.11 ng
 RT: 11.20 min Scan# 1584
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

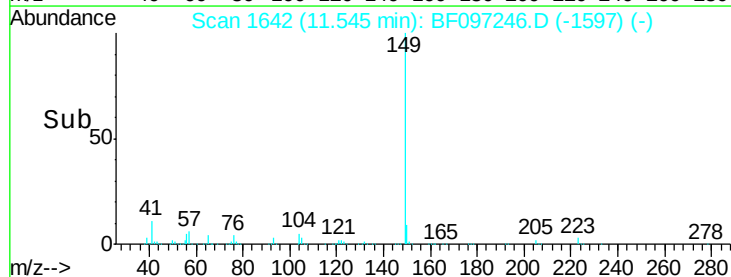
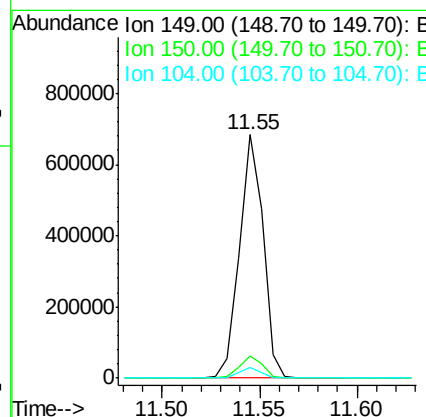
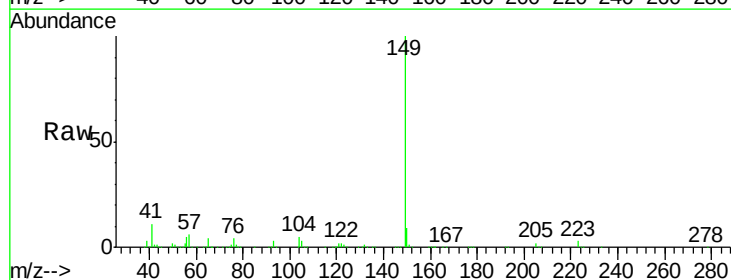
Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

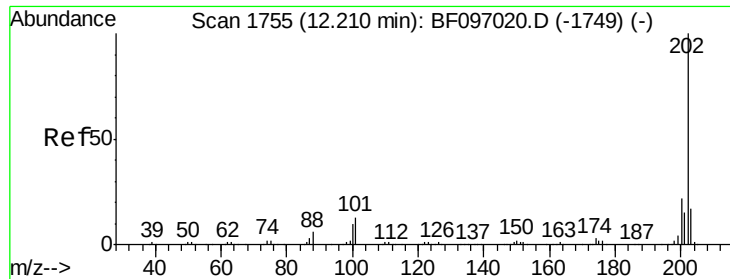
Tot Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.1	27.1
139	14.2	11.7	17.5



#73
 Di-n-butylphthalate
 Concen: 38.94 ng
 RT: 11.55 min Scan# 1642
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.7	11.5
104	4.5	4.0	6.0

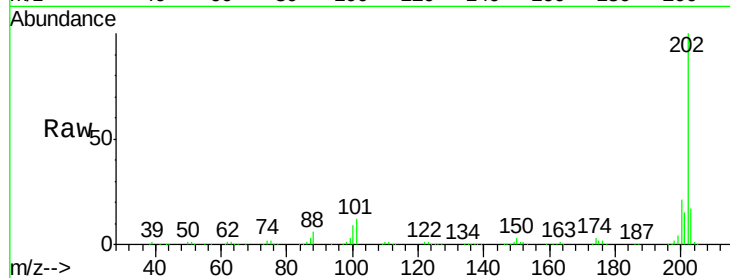




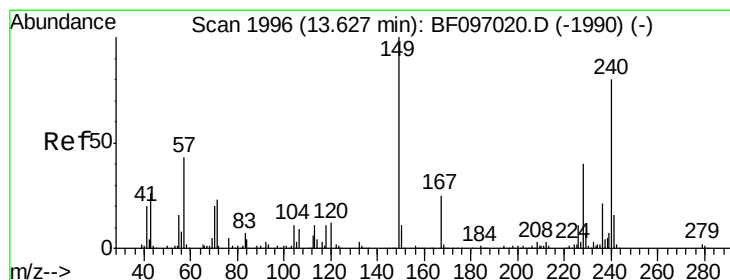
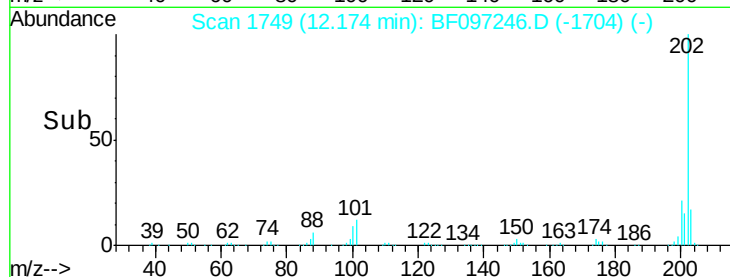
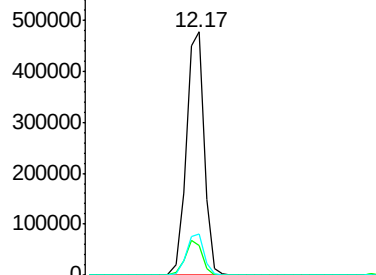
#74
Fluoranthene
Concen: 39.06 ng
RT: 12.17 min Scan# 1749
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.2
203	17.0	0.0	38.1

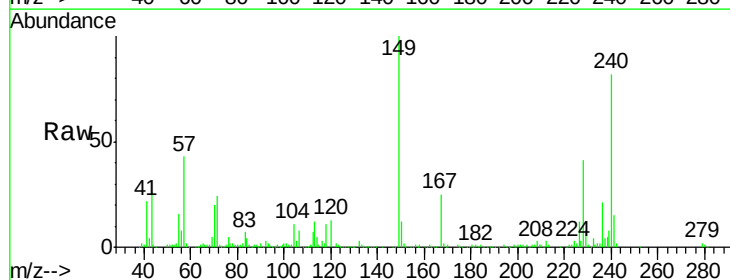


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

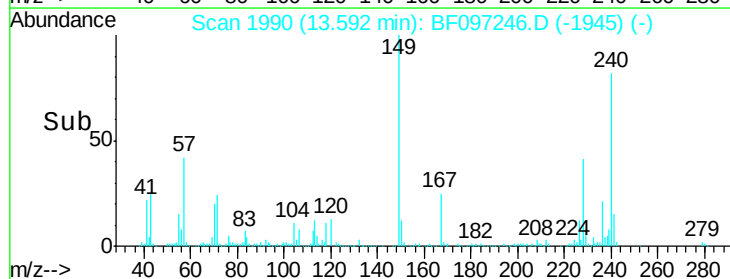
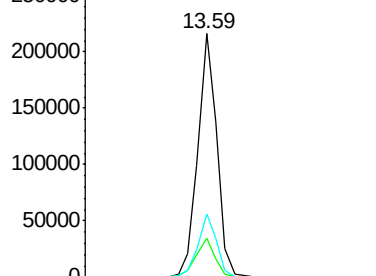


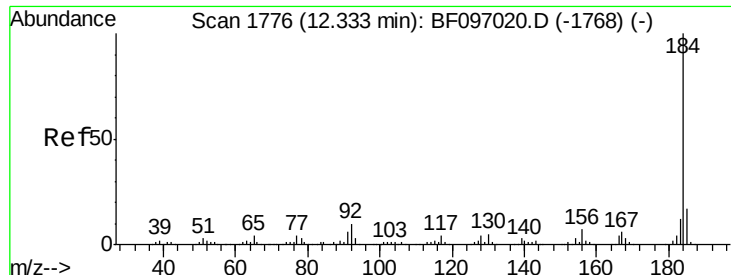
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.59 min Scan# 1990
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.0	5.8	8.8#
236	26.0	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

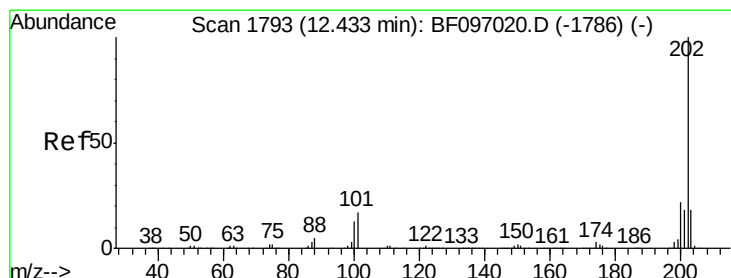
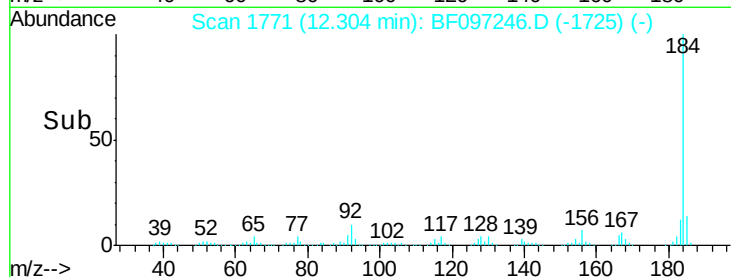
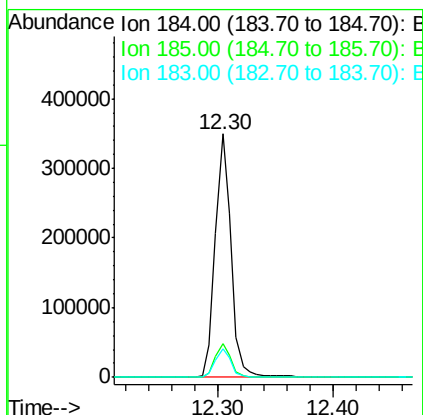
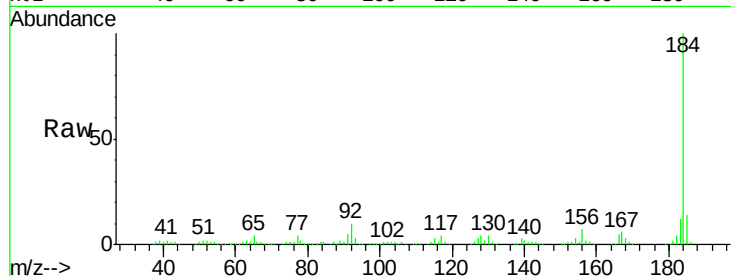




#76
Benzidine
Concen: 50.04 ng
RT: 12.30 min Scan# 1771
Delta R.T. -0.03 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

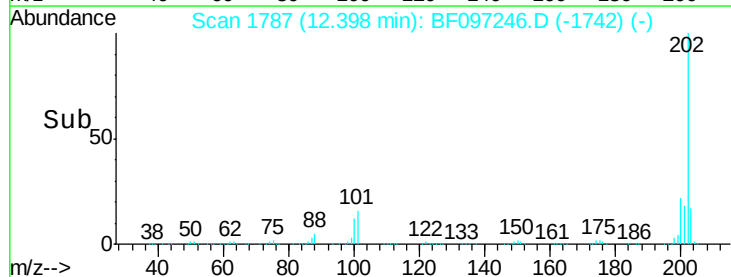
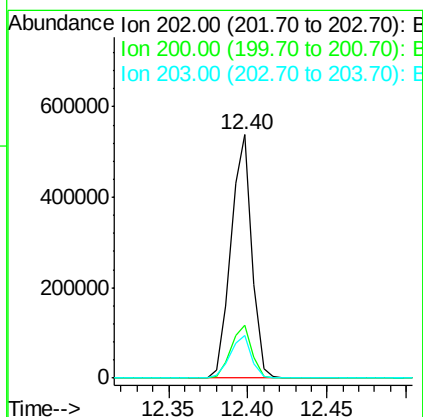
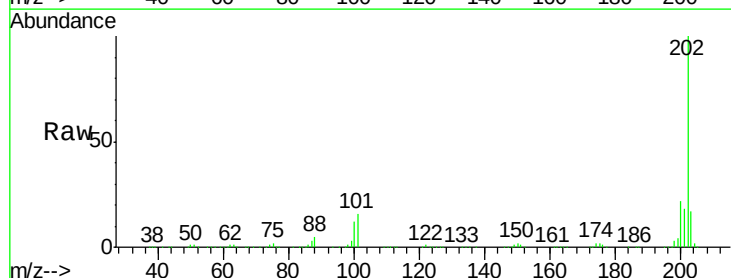
Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

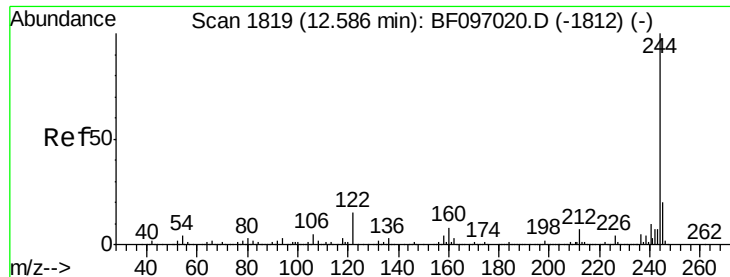
Tot Ion:184 Resp: 332886
Ion Ratio Lower Upper
184 100
185 13.6 15.5 23.3#
183 11.7 9.8 14.6



#77
Pyrene
Concen: 33.35 ng
RT: 12.40 min Scan# 1787
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion:202 Resp: 489559
Ion Ratio Lower Upper
202 100
200 21.8 17.6 26.4
203 17.5 14.4 21.6

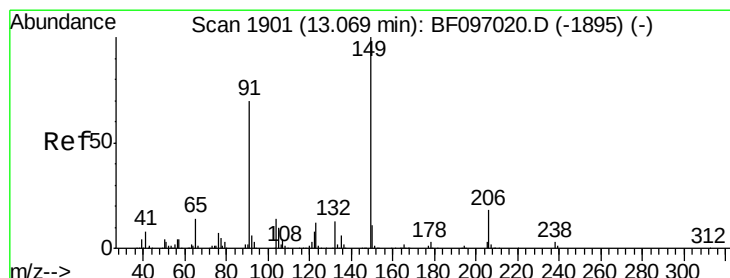
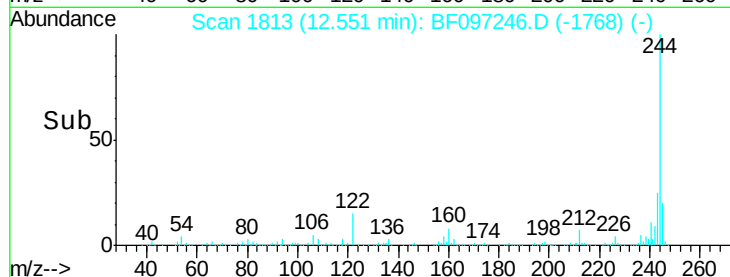
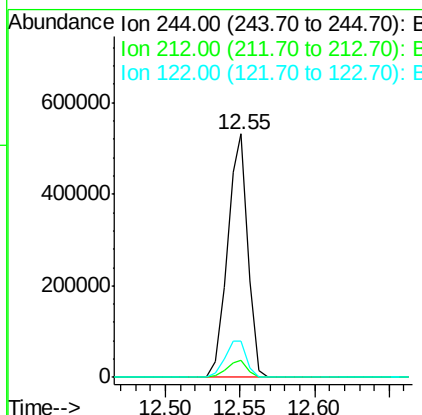
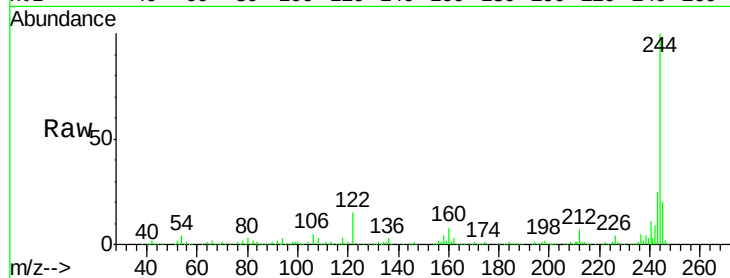




#78
 Terphenyl-d14
 Concen: 57.90 ng
 RT: 12.55 min Scan# 1813
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

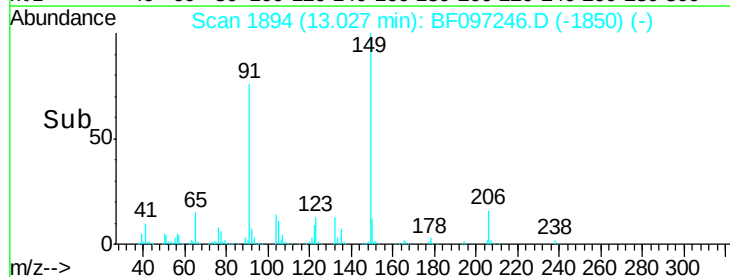
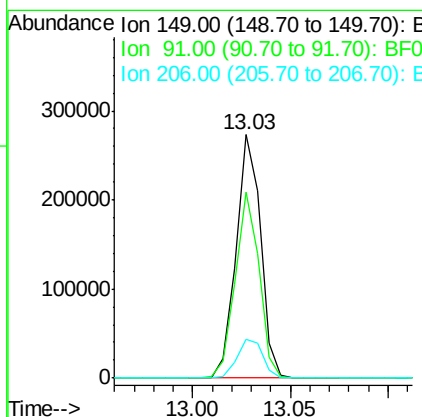
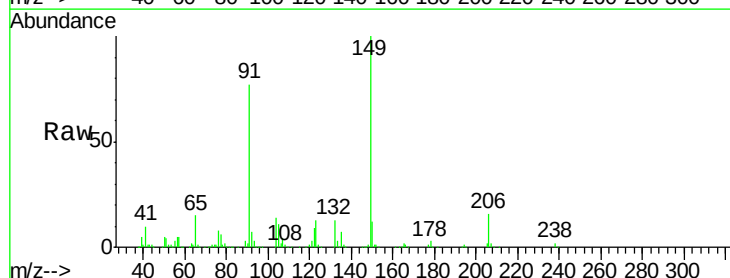
Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4MSD

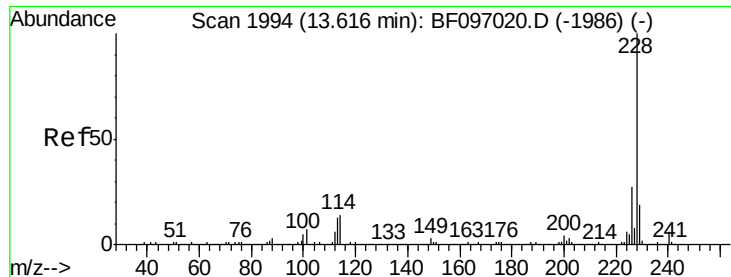
Tot Ion:244 Resp: 509104
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 15.0 10.3 15.5



#79
 Butylbenzylphthalate
 Concen: 31.79 ng
 RT: 13.03 min Scan# 1894
 Delta R.T. -0.04 min
 Lab File: BF097246.D
 Acq: 1 Aug 2017 22:00

Tgt Ion:149 Resp: 237383
 Ion Ratio Lower Upper
 149 100
 91 76.5 45.0 67.4#
 206 15.8 17.0 25.6#

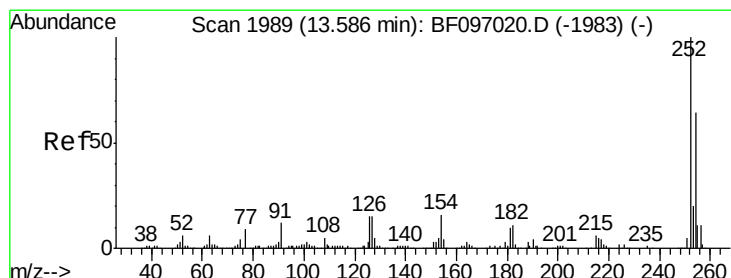
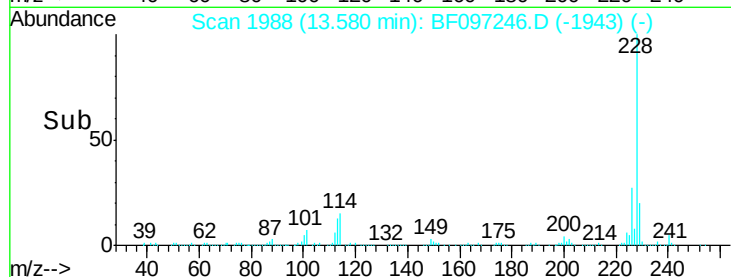
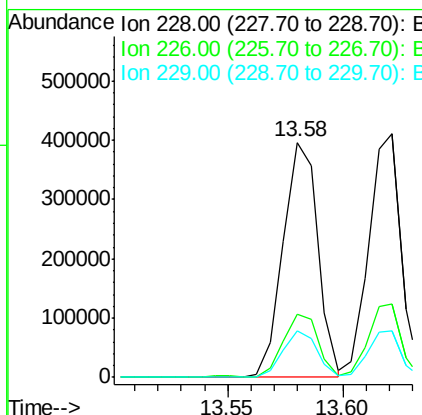
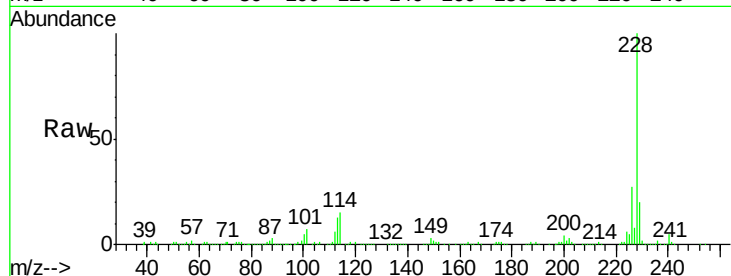




#80
Benzo(a)anthracene
Concen: 35.63 ng
RT: 13.58 min Scan# 1988
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

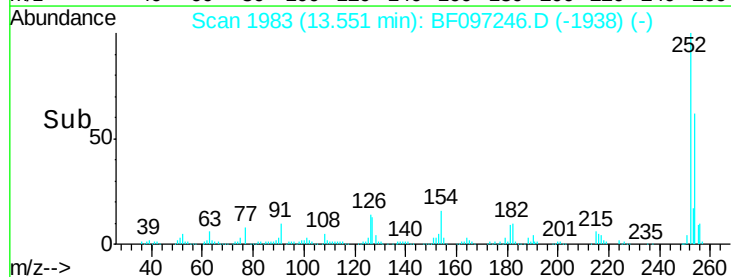
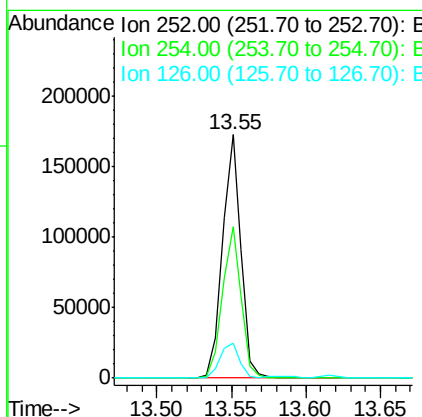
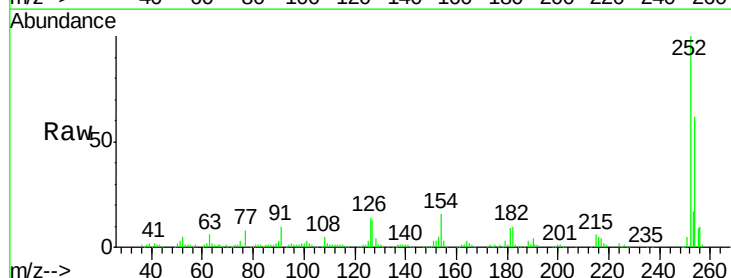
Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

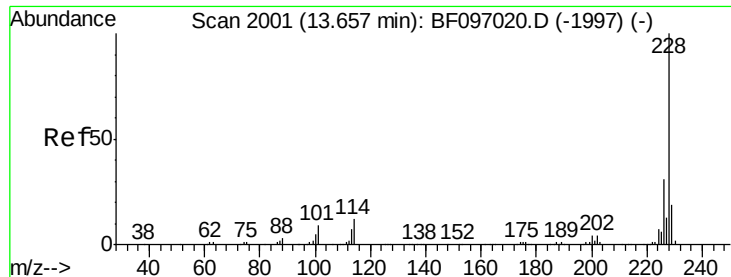
Tot Ion:228 Resp: 413291
Ion Ratio Lower Upper
228 100
226 26.8 22.6 33.8
229 19.6 16.3 24.5



#81
3,3'-Dichlorobenzidine
Concen: 34.53 ng
RT: 13.55 min Scan# 1983
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion:252 Resp: 151040
Ion Ratio Lower Upper
252 100
254 62.3 51.5 77.3
126 14.4 15.8 23.8#





#82

Chrysene

Concen: 35.19 ng

RT: 13.62 min Scan# 1995

Delta R.T. -0.04 min

Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Instrument :

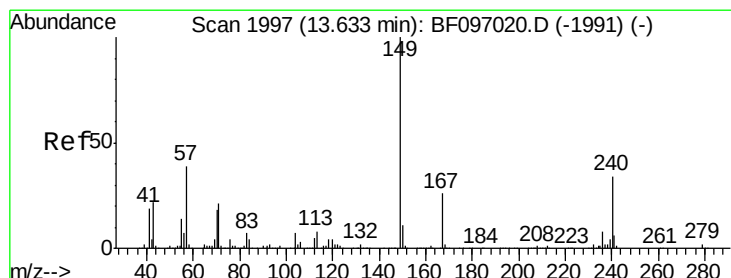
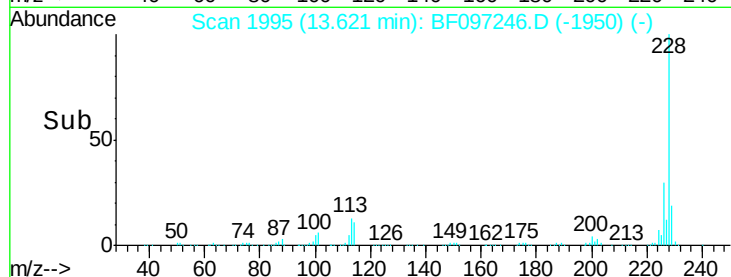
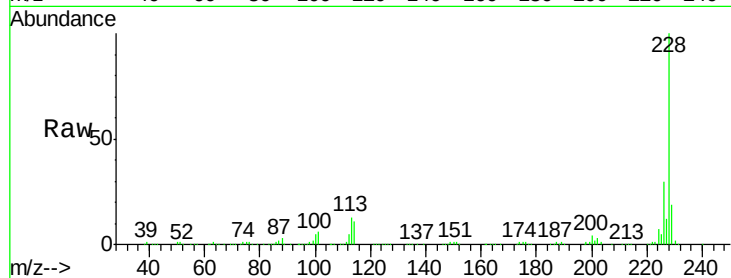
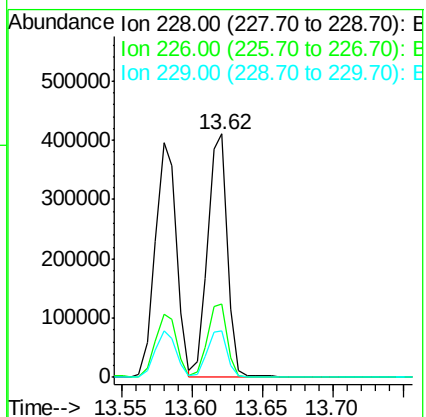
BNA_F

ClientSampleId :

HDD-PILWC4MSD

Tot Ion:228 Resp: 398639

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	19.1	15.8	23.6



#83

Bis(2-ethylhexyl)phthalate

Concen: 32.15 ng

RT: 13.60 min Scan# 1991

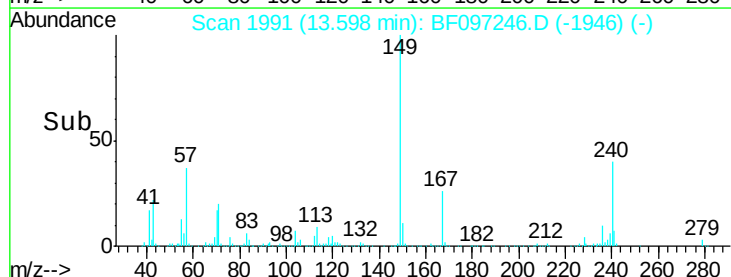
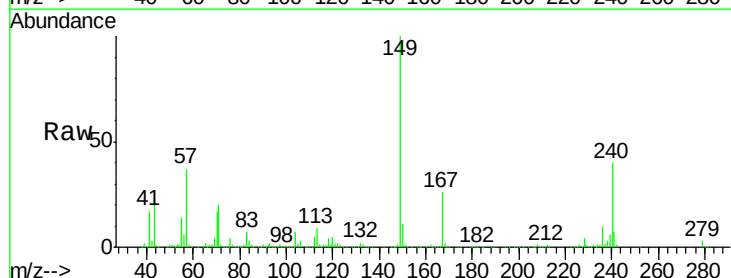
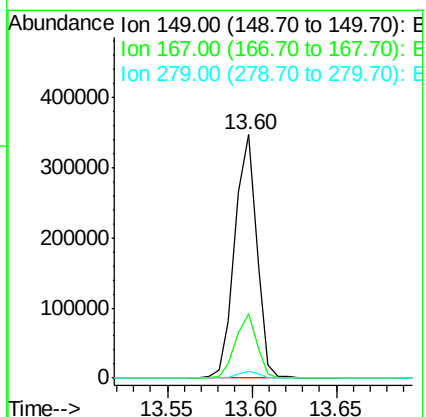
Delta R.T. -0.04 min

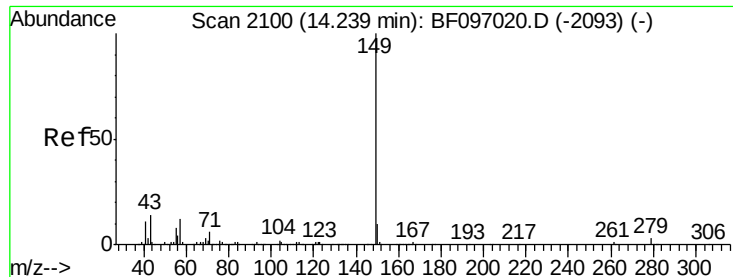
Lab File: BF097246.D

Acq: 1 Aug 2017 22:00

Tgt Ion:149 Resp: 313447

Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.0	31.4
279	2.5	1.9	2.9

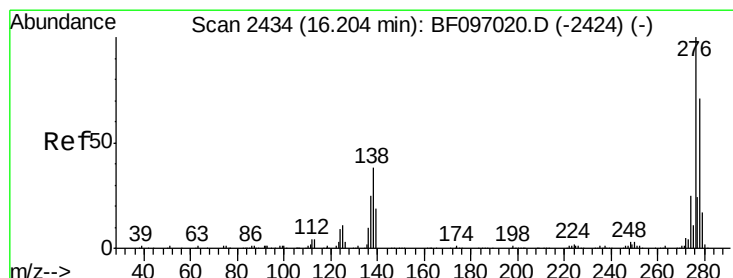
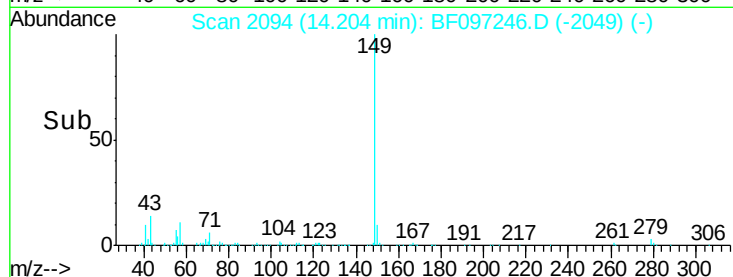
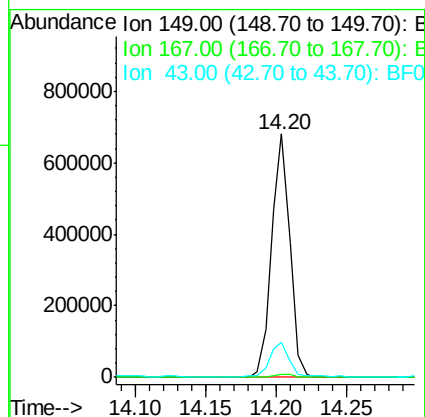
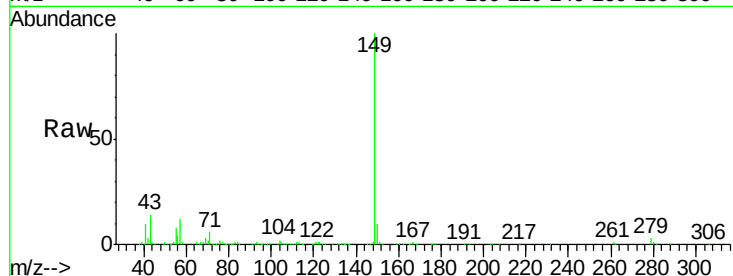




#84
Di-n-octyl phthalate
Concen: 34.60 ng
RT: 14.20 min Scan# 2094
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

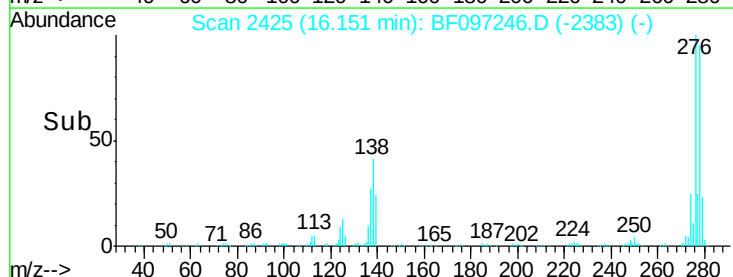
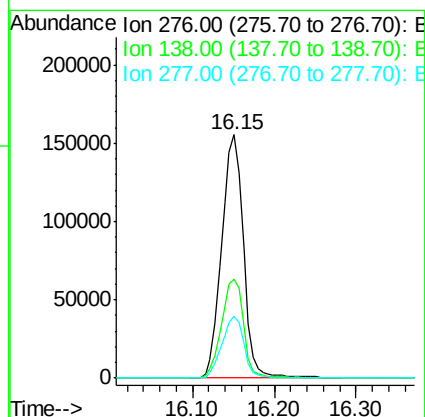
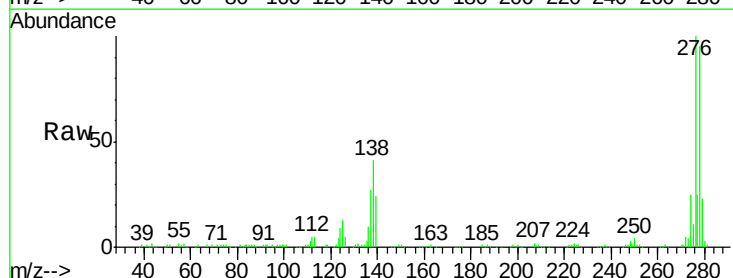
Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

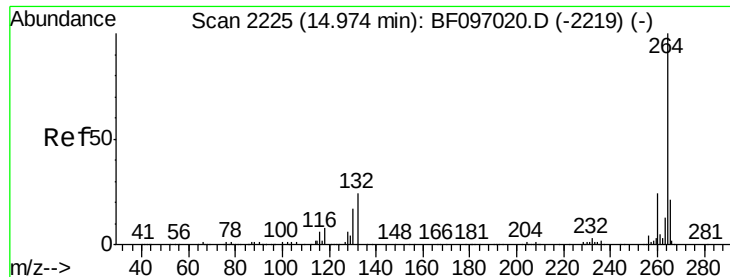
Tot Ion:149 Resp: 618901
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 14.3 8.5 12.7#



#85
Indeno(1,2,3-cd)pyrene
Concen: 29.82 ng
RT: 16.15 min Scan# 2425
Delta R.T. -0.05 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion:276 Resp: 289687
Ion Ratio Lower Upper
276 100
138 40.9 27.8 41.6
277 25.5 20.2 30.4

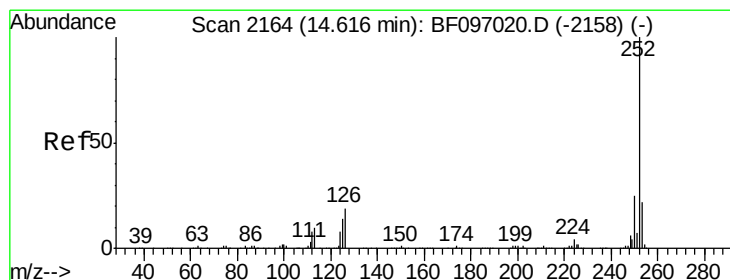
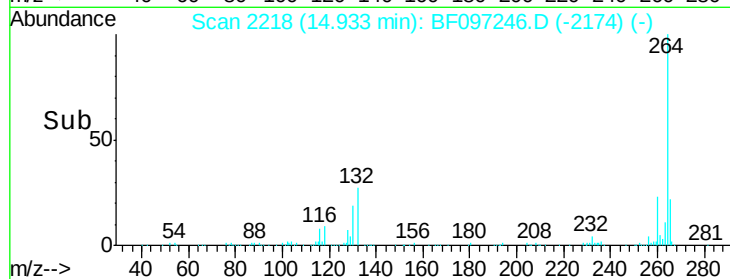
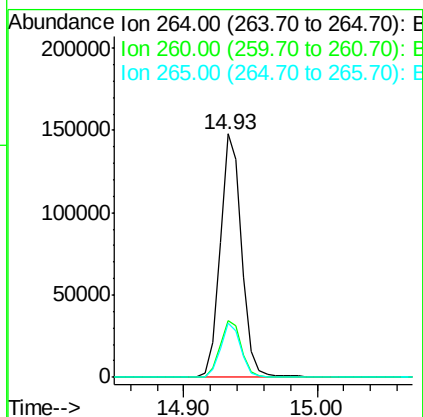
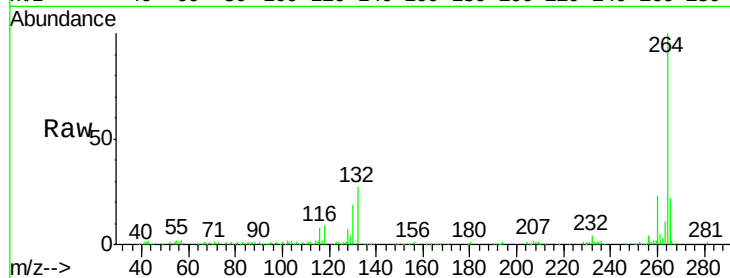




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.93 min Scan# 2218
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

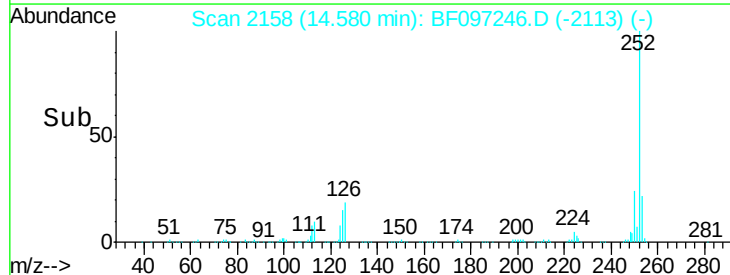
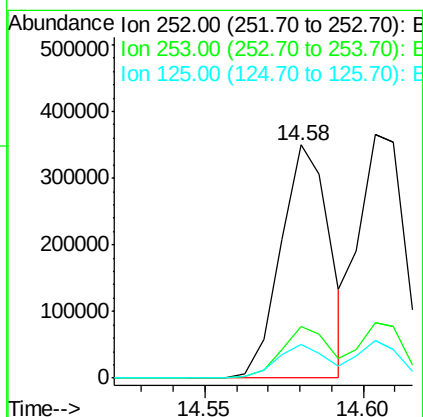
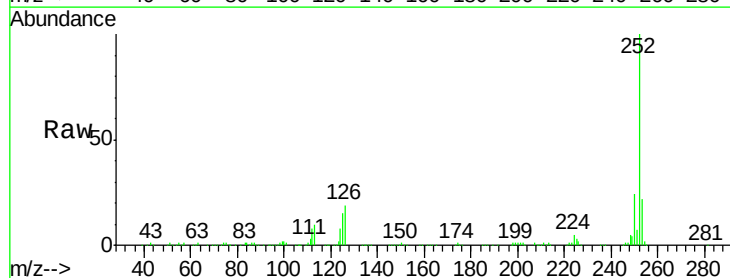
Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

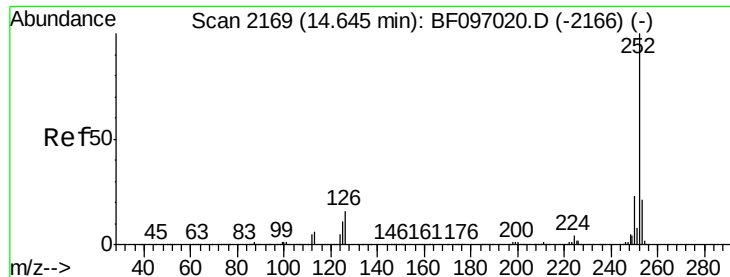
Tot Ion:264 Resp: 167245
Ion Ratio Lower Upper
264 100
260 23.4 19.5 29.3
265 22.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 37.28 ng
RT: 14.58 min Scan# 2158
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion:252 Resp: 374834
Ion Ratio Lower Upper
252 100
253 22.1 18.1 27.1
125 14.7 9.8 14.8

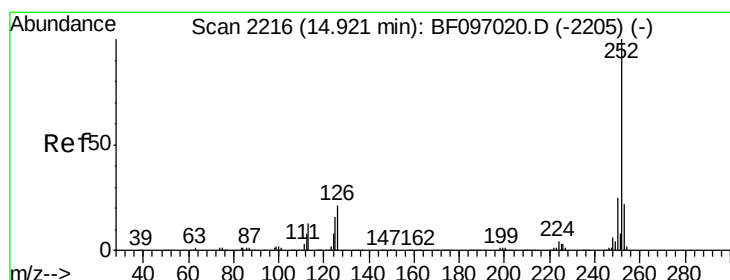
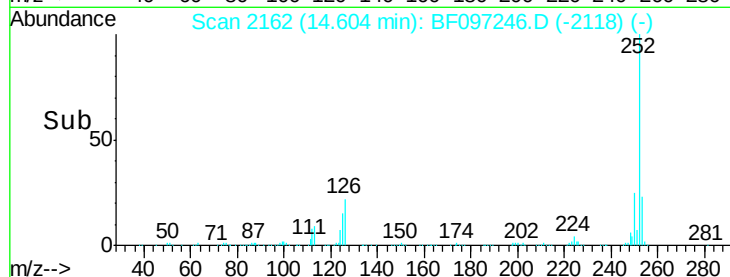
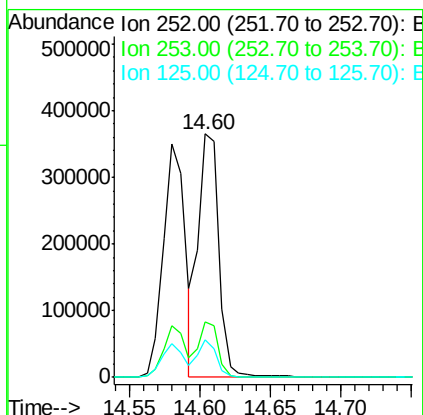
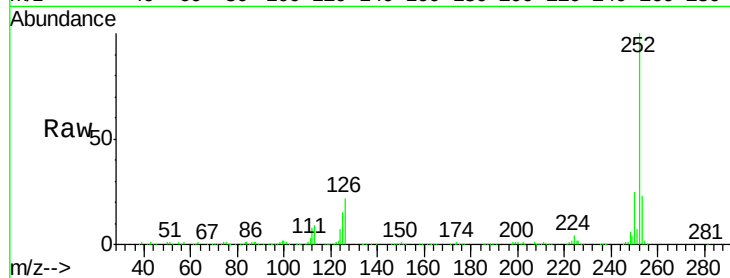




#88
Benzo(k)fluoranthene
Concen: 38.64 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

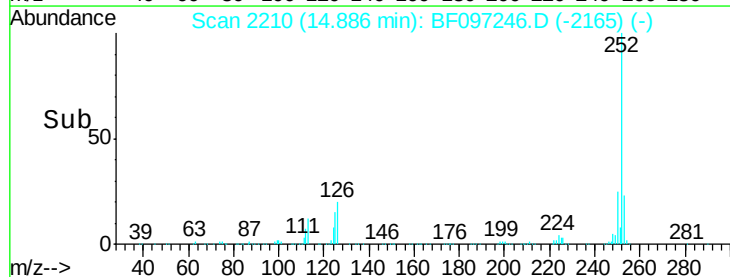
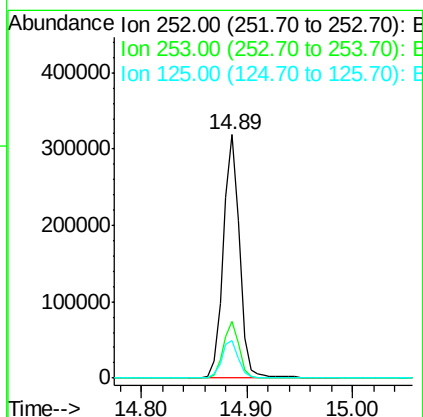
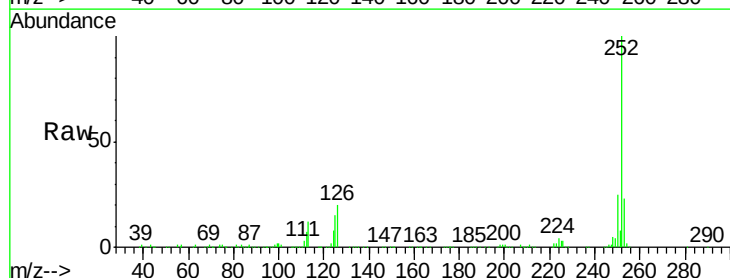
Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

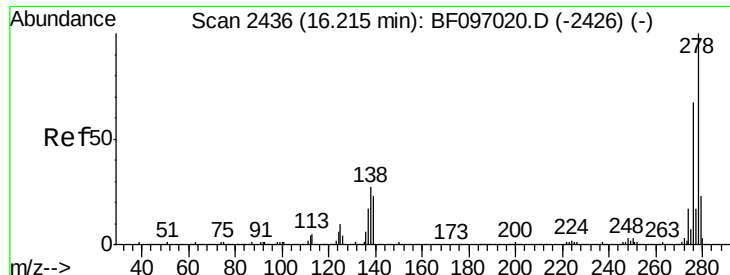
Tot Ion:252 Resp: 370146
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 15.4 13.1 19.7



#89
Benzo(a)pyrene
Concen: 37.02 ng
RT: 14.89 min Scan# 2210
Delta R.T. -0.04 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion:252 Resp: 340644
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 15.3 11.0 16.4



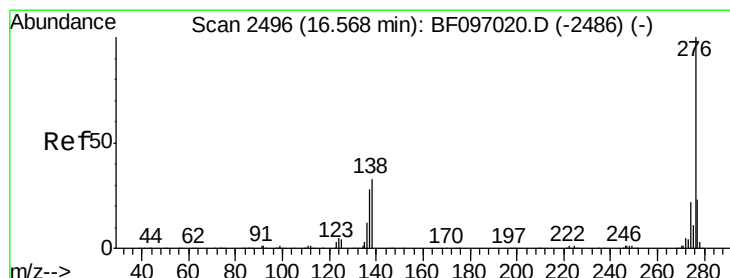
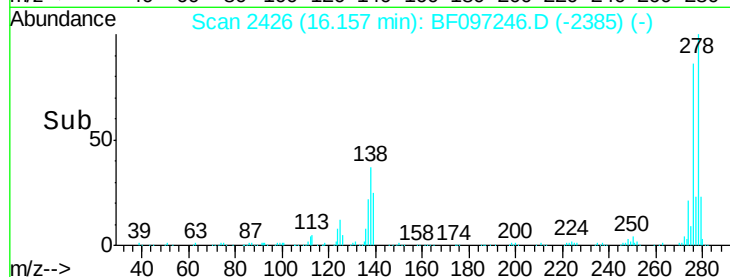
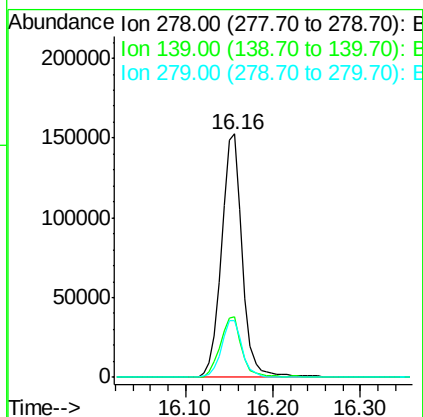
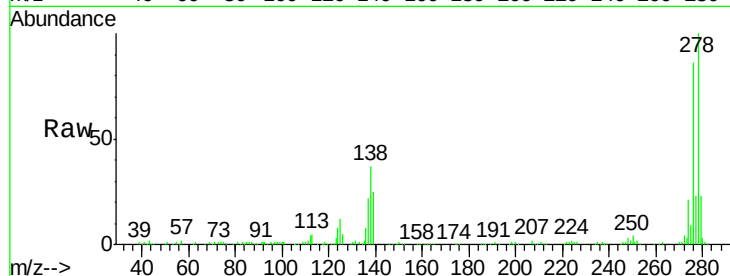


#90
Dibenzo(a,h)anthracene
Concen: 33.25 ng
RT: 16.16 min Scan# 2426
Delta R.T. -0.06 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4MSD

Tot Ion:278 Resp: 250879

Ion	Ratio	Lower	Upper
278	100		
139	24.8	16.6	24.8#
279	23.4	19.3	28.9



#91
Benzo(g,h,i)perylene
Concen: 29.75 ng
RT: 16.50 min Scan# 2485
Delta R.T. -0.06 min
Lab File: BF097246.D
Acq: 1 Aug 2017 22:00

Tgt Ion:276 Resp: 235370

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	33.7	25.4	38.0

