

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097923.D
 Acq On : 21 Aug 2017 23:34
 Operator : SJ/JU
 Sample : I4890-01MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

Quant Time: Aug 22 04:07:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	122058	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	481679	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	195028	20.00	ng	0.00
63) Phenanthrene-d10	11.27	188	322586	20.00	ng	0.00
75) Chrysene-d12	13.90	240	239297	20.00	ng	0.00
86) Perylene-d12	15.32	264	180650	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	1077646	134.30	ng	0.02
7) Phenol-d6	6.40	99	1461949	134.09	ng	0.01
23) Nitrobenzene-d5	7.32	82	914832	103.18	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	218197	128.94	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	1212054	91.31	ng	0.00
78) Terphenyl-d14	12.85	244	826900	72.06	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.48	88	165919	37.08	ng	92
3) Pyridine	3.21	79	460420	37.22	ng	88
4) n-Nitrosodimethylamine	3.15	42	205217	43.11	ng	81
6) Aniline	6.42	93	569952	37.21	ng	# 91
8) 2-Chlorophenol	6.54	128	375970	44.43	ng	97
9) Benzaldehyde	6.30	77	282552	40.91	ng	88
10) Phenol	6.41	94	582950	45.72	ng	90
11) bis(2-Chloroethyl)ether	6.49	93	422506	43.90	ng	97
12) 1,3-Dichlorobenzene	6.69	146	370227	40.67	ng	# 93
13) 1,4-Dichlorobenzene	6.77	146	371798	40.16	ng	# 93
14) 1,2-Dichlorobenzene	6.92	146	345756	40.50	ng	98
15) Benzyl Alcohol	6.90	79	368638	45.16	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.03	45	550995	42.55	ng	90
17) 2-Methylphenol	7.01	107	342826	45.97	ng	96
18) Hexachloroethane	7.26	117	128001	35.26	ng	# 82
19) n-Nitroso-di-n-propylamine	7.17	70	302113	40.48	ng	90
20) 3+4-Methylphenols	7.16	107	397033	43.59	ng	94
22) Acetophenone	7.16	105	538977	42.36	ng	# 91
24) Nitrobenzene	7.34	77	478340	48.45	ng	96
25) Isophorone	7.58	82	849043	46.05	ng	97
26) 2-Nitrophenol	7.65	139	174008	48.58	ng	# 77
27) 2,4-Dimethylphenol	7.69	122	339825	44.19	ng	93
28) bis(2-Chloroethoxy)methane	7.79	93	539903	44.54	ng	98
29) 2,4-Dichlorophenol	7.89	162	291475	45.67	ng	92
30) 1,2,4-Trichlorobenzene	7.97	180	295681	41.79	ng	97
31) Naphthalene	8.06	128	1042135	41.67	ng	100
32) Benzoic acid	7.78	122	42857	13.03	ng	91
33) 4-Chloroaniline	8.10	127	385395	36.54	ng	99
34) Hexachlorobutadiene	8.17	225	162663	39.37	ng	99
35) Caprolactam	8.48	113	98238	45.27	ng	99
36) 4-Chloro-3-methylphenol	8.59	107	354930	43.28	ng	# 78
37) 2-Methylnaphthalene	8.75	142	659910	43.04	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.91	216	267246	44.65	ng	98
40) Hexachlorocyclopentadiene	8.90	237	83253	28.95	ng	100

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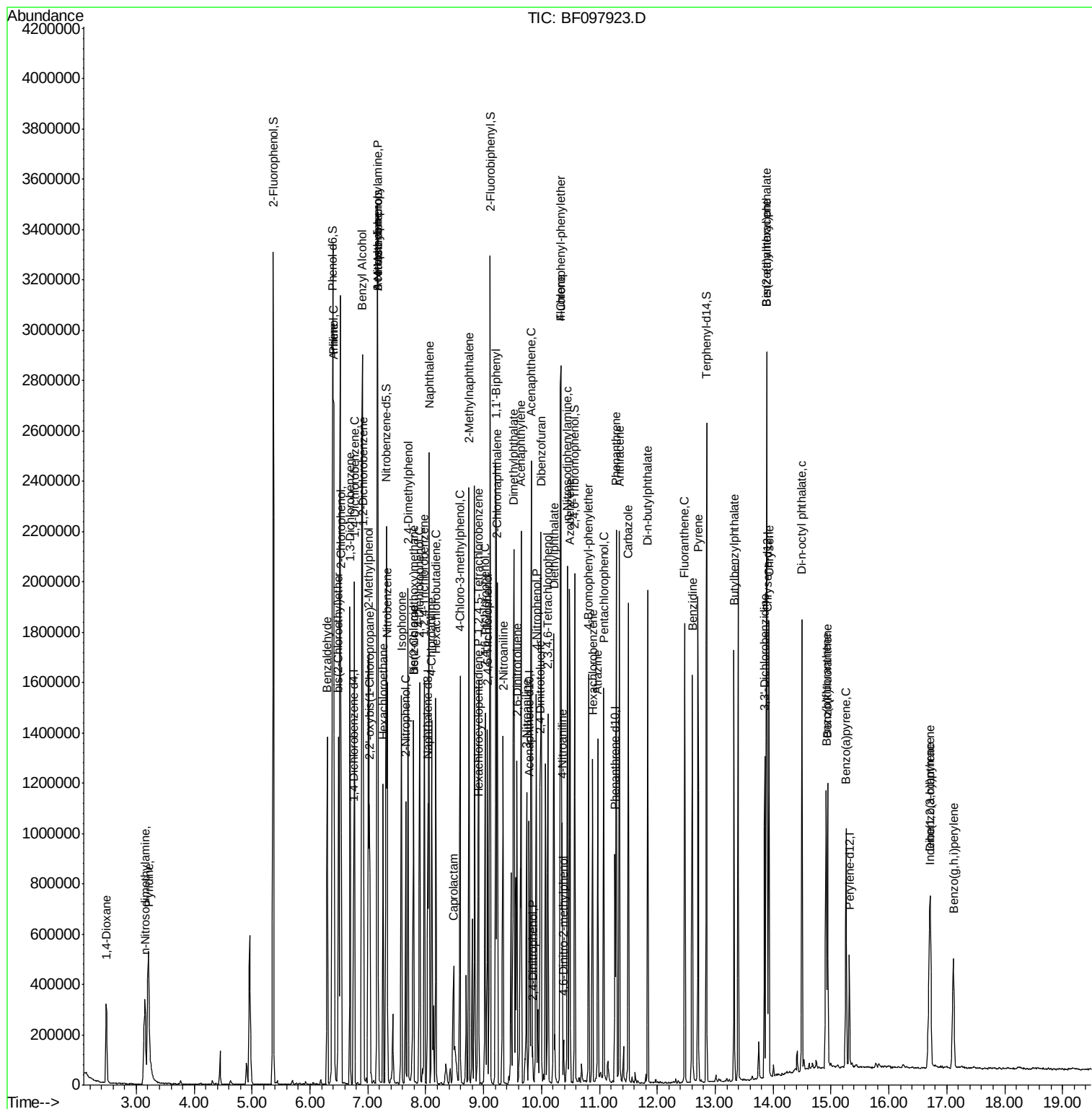
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.03	196	190483	47.40	nq	98
43) 2,4,5-Trichlorophenol	9.07	196	193545	48.55	nq	98
45) 1,1'-Biphenyl	9.21	154	760725	42.77	nq	96
46) 2-Chloronaphthalene	9.23	162	558488	42.50	nq	# 91
47) 2-Nitroaniline	9.33	65	241958	54.92	nq	97
48) Acenaphthylene	9.65	152	890961	43.18	nq	99
49) Dimethylphthalate	9.52	163	957814	67.19	nq	99
50) 2,6-Dinitrotoluene	9.57	165	135789	47.72	nq	# 48
51) Acenaphthene	9.82	154	528002	40.57	nq	99
52) 3-Nitroaniline	9.75	138	168175	45.81	nq	91
53) 2,4-Dinitrophenol	9.85	184	14790	19.68	nq	# 79
54) Dibenzofuran	9.99	168	775397	44.45	nq	99
55) 4-Nitrophenol	9.91	139	235226	80.32	nq	# 40
56) 2,4-Dinitrotoluene	9.97	165	169588	47.49	nq	# 46
57) Fluorene	10.33	166	546841	40.55	nq	96
58) 2,3,4,6-Tetrachlorophenol	10.11	232	146141	47.35	nq	96
59) Diethylphthalate	10.22	149	681659	45.72	nq	99
60) 4-Chlorophenyl-phenylether	10.33	204	263328	42.03	nq	91
61) 4-Nitroaniline	10.36	138	161019	46.14	nq	# 71
62) Azobenzene	10.49	77	780476	44.07	nq	93
64) 4,6-Dinitro-2-methylphenol	10.38	198	15545	16.77	nq	87
65) n-Nitrosodiphenylamine	10.45	169	524860	47.78	nq	99
66) 4-Bromophenyl-phenylether	10.82	248	158317	47.26	nq	98
67) Hexachlorobenzene	10.88	284	145785	42.70	nq	# 88
68) Atrazine	10.97	200	140256	48.14	nq	98
69) Pentachlorophenol	11.07	266	150863	75.78	nq	100
70) Phenanthrene	11.29	178	730807	42.51	nq	100
71) Anthracene	11.35	178	755282	43.32	nq	99
72) Carbazole	11.50	167	723358	43.71	nq	98
73) Di-n-butylphthalate	11.83	149	936346	49.12	nq	99
74) Fluoranthene	12.47	202	724636	40.39	nq	99
76) Benzidine	12.60	184	649060	82.72	nq	# 92
77) Pyrene	12.70	202	748735	38.26	nq	98
79) Butylbenzylphthalate	13.33	149	353968	47.17	nq	# 69
80) Benzo(a)anthracene	13.89	228	583191	40.66	nq	98
81) 3,3'-Dichlorobenzidine	13.86	252	242969	50.20	nq	# 95
82) Chrysene	13.93	228	579242	40.60	nq	99
83) Bis(2-ethylhexyl)phthalate	13.89	149	424467	51.05	nq	# 100
84) Di-n-octyl phthalate	14.50	149	825781	57.08	nq	99
85) Indeno(1,2,3-cd)pyrene	16.70	276	423314	40.33	nq	93
87) Benzo(b)fluoranthene	14.92	252	507452	44.56	nq	98
88) Benzo(k)fluoranthene	14.94	252	478475	44.73	nq	# 93
89) Benzo(a)pyrene	15.26	252	460601	45.69	nq	97
90) Dibenzo(a,h)anthracene	16.72	278	349144	42.54	nq	98
91) Benzo(g,h,i)perylene	17.12	276	333229	38.91	nq	93

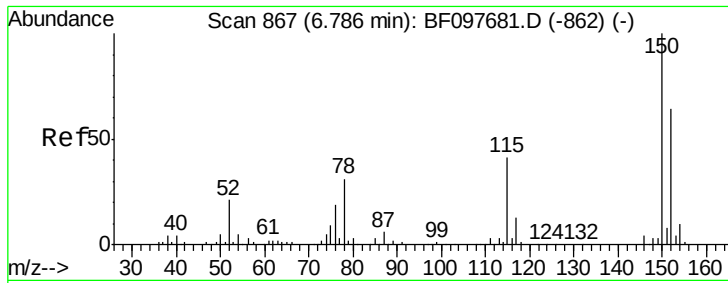
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
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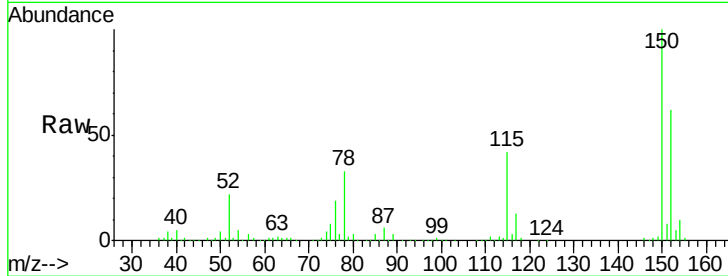


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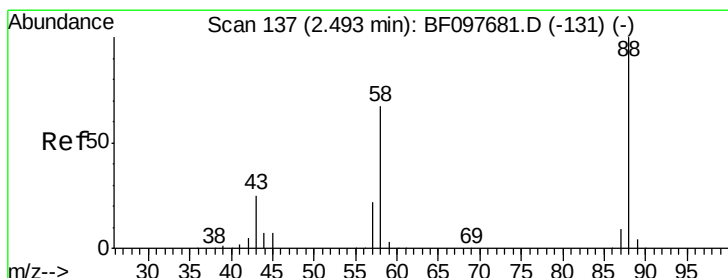
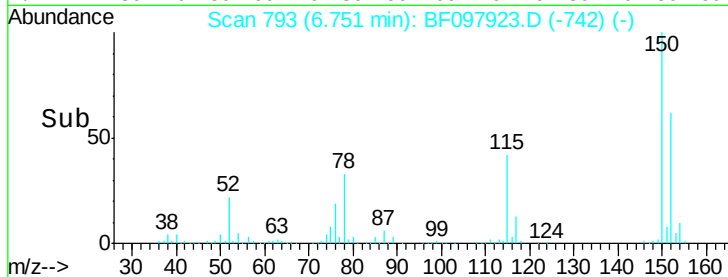
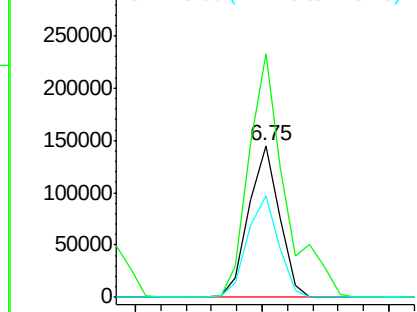
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	126.2	189.2
115	66.7	52.2	78.2



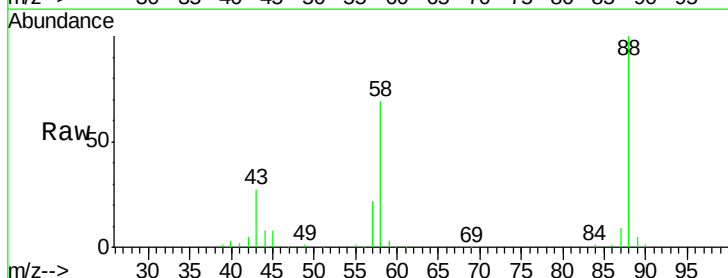
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



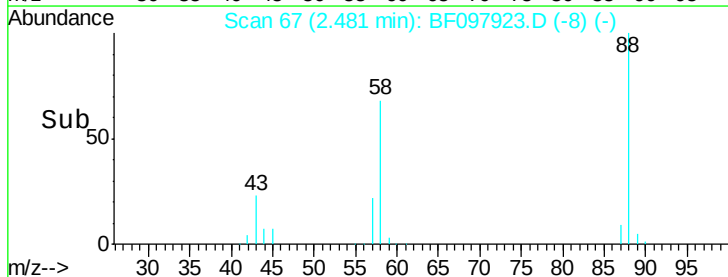
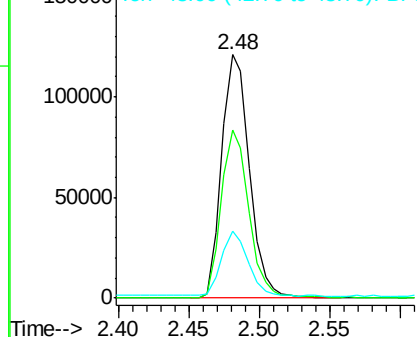
#2

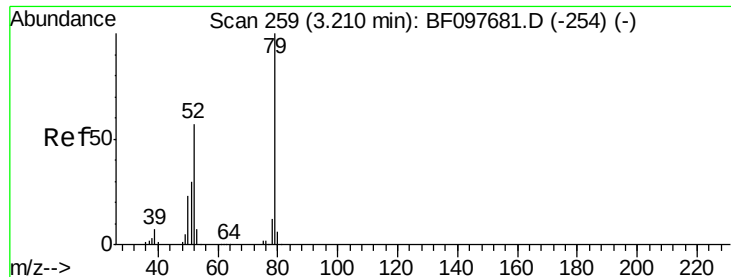
1,4-Dioxane
Concen: 37.08 ng
RT: 2.48 min Scan# 67
Delta R.T. 0.05 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.7	61.4	92.0
43	26.6	23.4	35.0



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

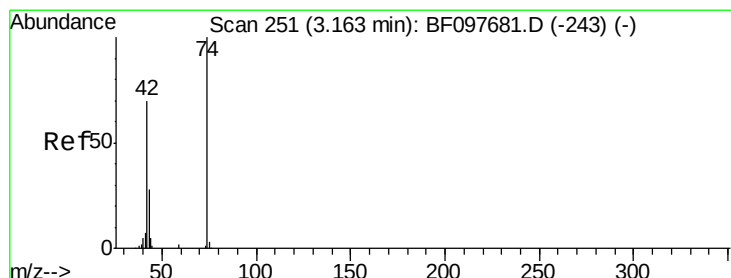
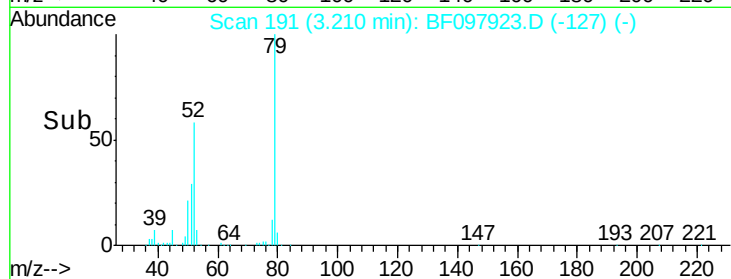
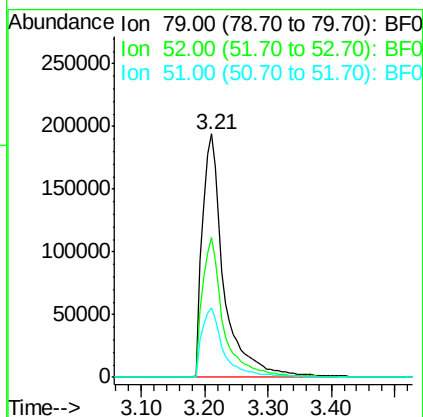
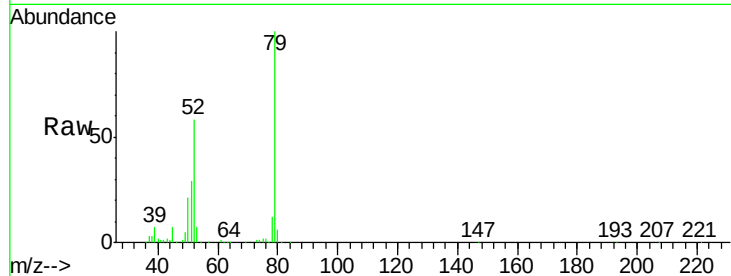




#3
 Pvrindine
 Concen: 37.22 ng
 RT: 3.21 min Scan# 191
 Delta R.T. 0.08 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

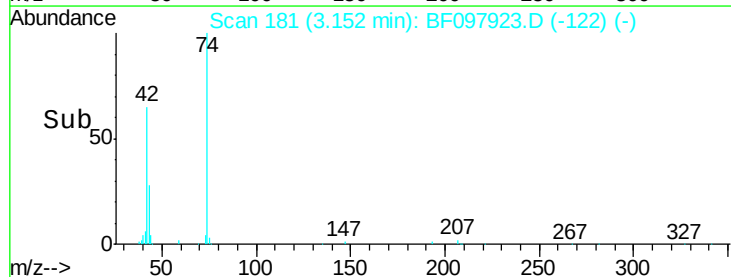
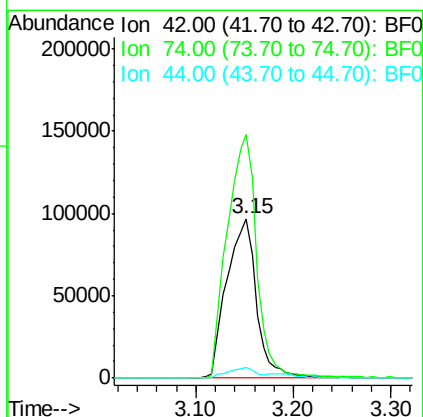
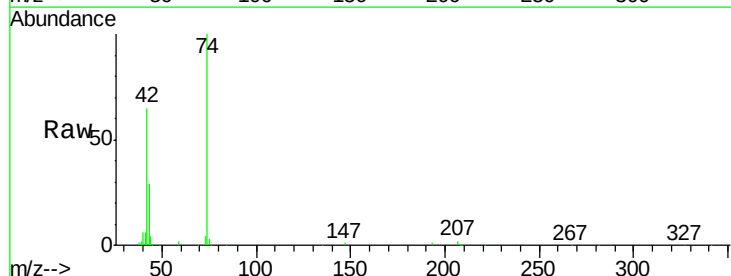
Instrument :
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 ClientSampleId :
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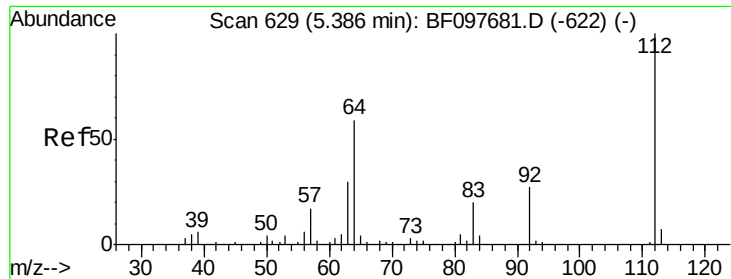
Tot Ion	Ratio	Lower	Upper
79	100		
52	57.5	54.8	82.2
51	28.5	27.0	40.4



#4
 n-Nitrosodimethylamine
 Concen: 43.11 ng
 RT: 3.15 min Scan# 181
 Delta R.T. 0.05 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Lower	Upper
42	100		
74	152.7	103.9	155.9
44	6.4	5.7	8.5





#5

2-Fluorophenol

Concen: 134.30 ng

RT: 5.37 min Scan# 558

Delta R.T. 0.02 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MSD

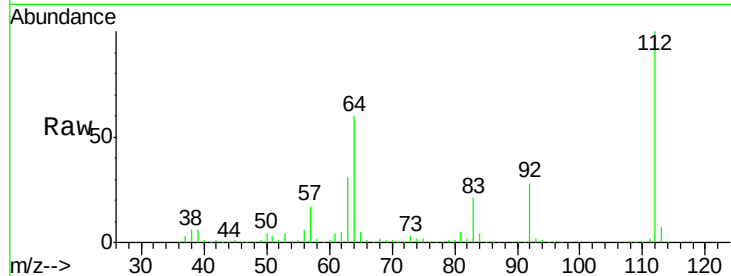
Tot Ion:112 Resp: 1077646

Ion Ratio Lower Upper

112 100

64 60.5 46.0 69.0

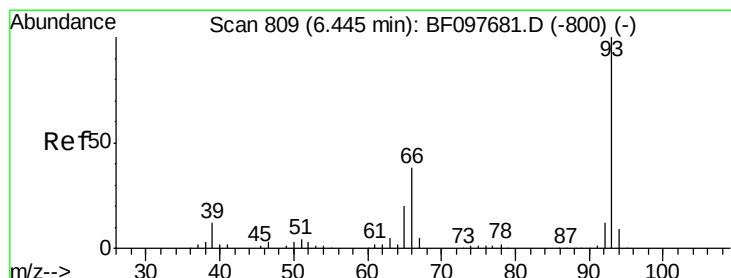
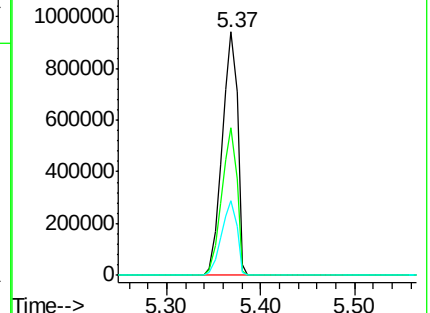
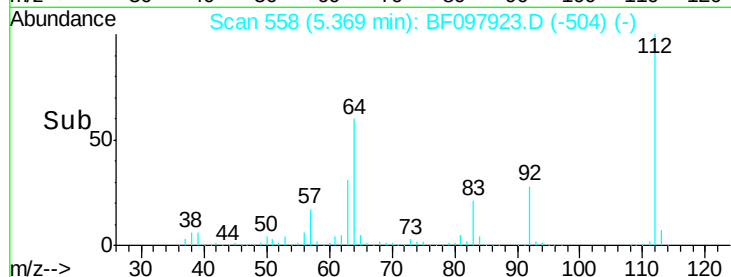
63 30.6 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): BF0

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 37.21 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

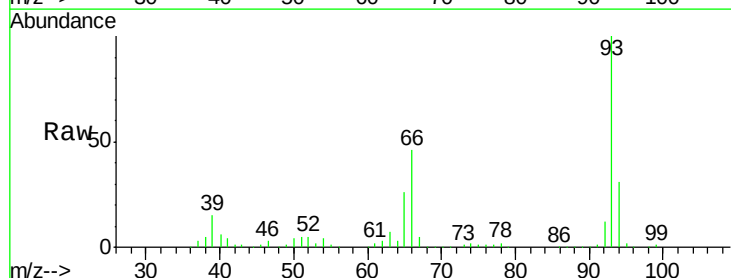
Tgt Ion: 93 Resp: 569952

Ion Ratio Lower Upper

93 100

66 45.9 32.9 49.3

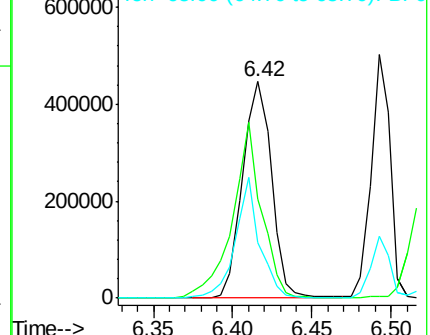
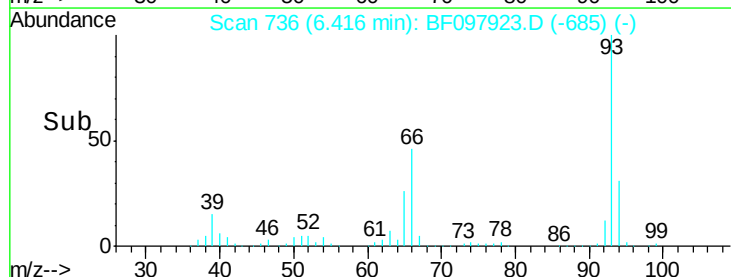
65 25.6 16.0 24.0#

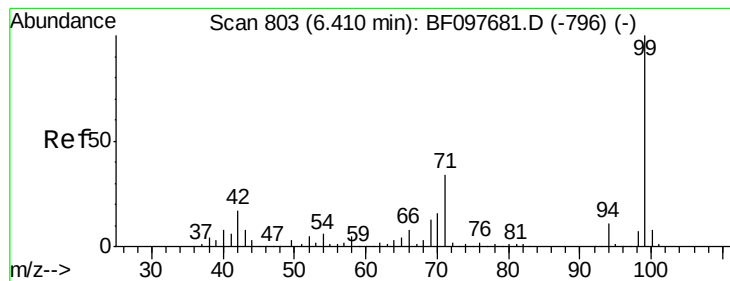


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 134.09 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

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ClientSampleId :

CLEAN-SAND-6MSD

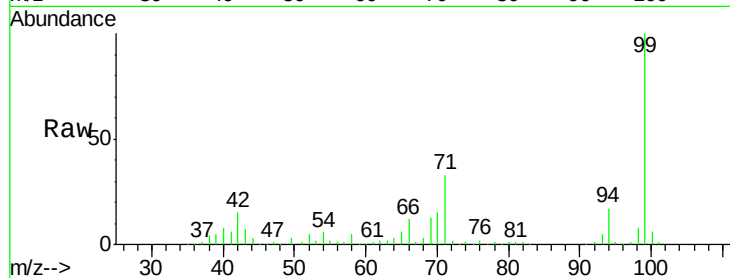
Tot Ion: 99 Resp: 1461949

Ion Ratio Lower Upper

99 100

42 15.3 13.5 20.3

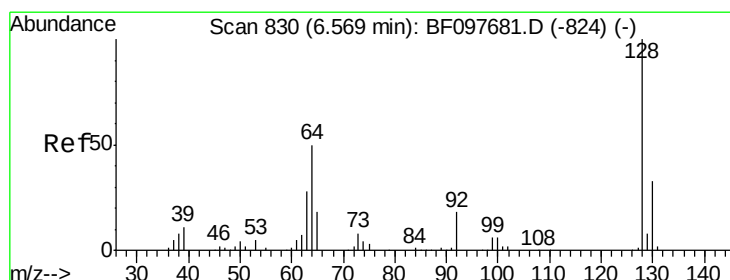
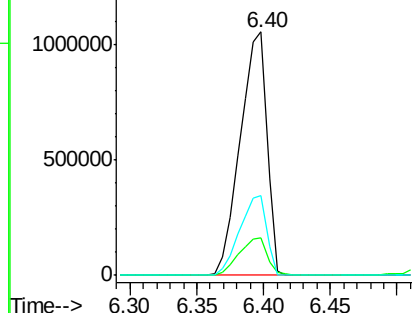
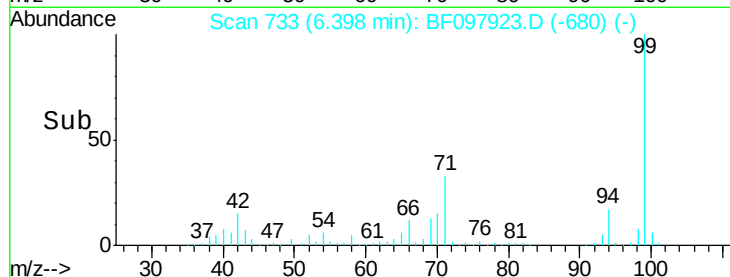
71 32.9 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 44.43 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.01 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

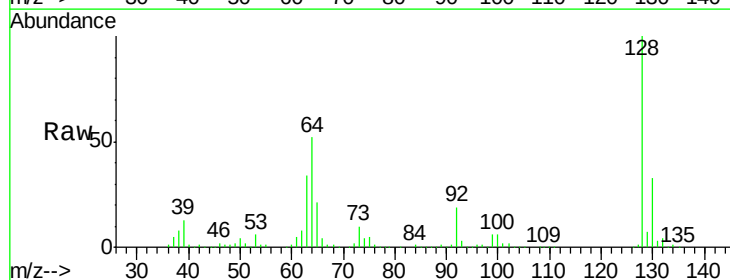
Tgt Ion: 128 Resp: 375970

Ion Ratio Lower Upper

128 100

130 32.6 12.9 52.9

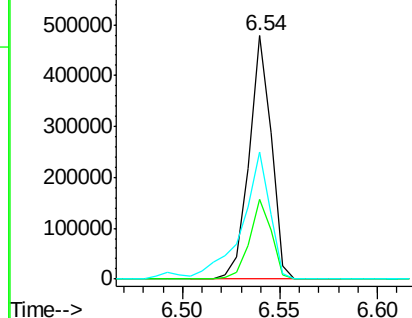
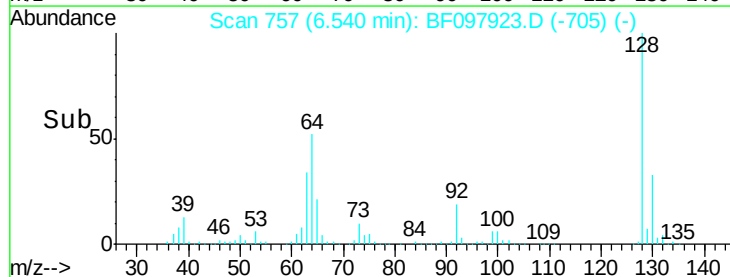
64 52.0 28.4 68.4

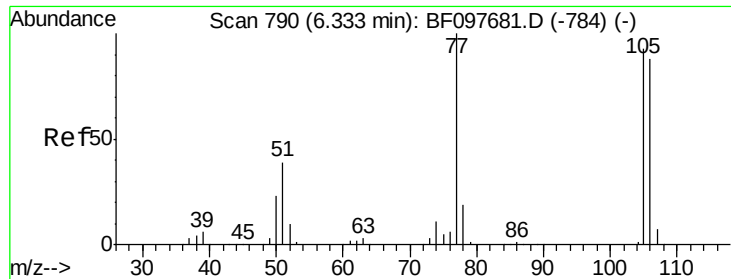


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 40.91 ng

RT: 6.30 min Scan# 716

Delta R.T. 0.00 min

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ClientSampleId :

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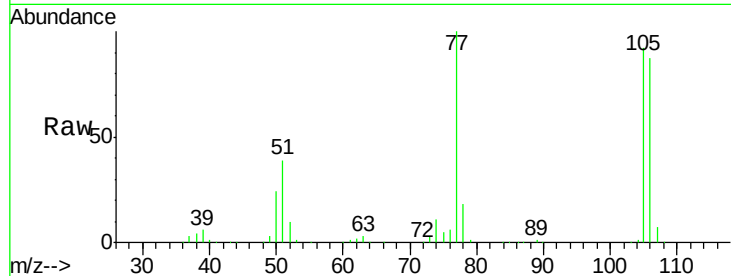
Tot Ion: 77 Resp: 282552

Ion Ratio Lower Upper

77 100

105 91.8 83.8 123.8

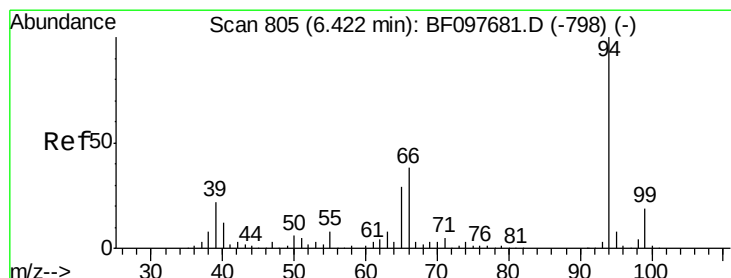
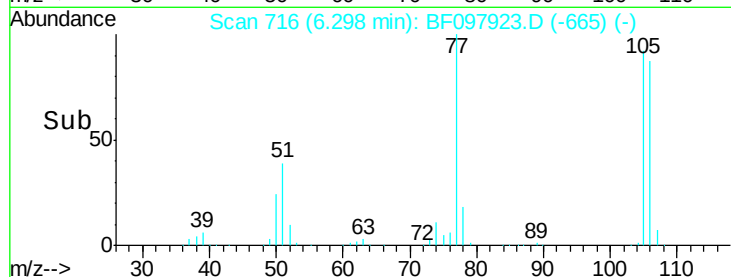
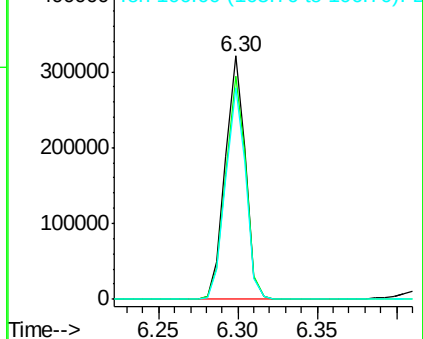
106 86.9 79.1 119.1



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: 45.72 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

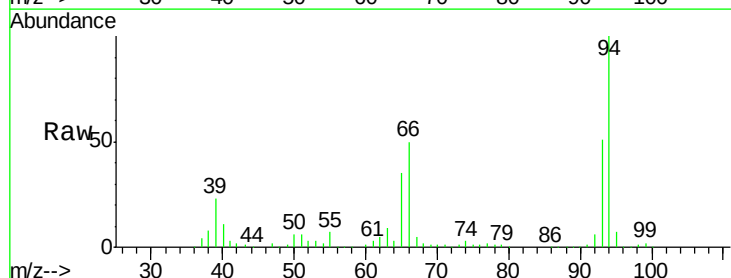
Tgt Ion: 94 Resp: 582950

Ion Ratio Lower Upper

94 100

65 34.8 9.9 49.9

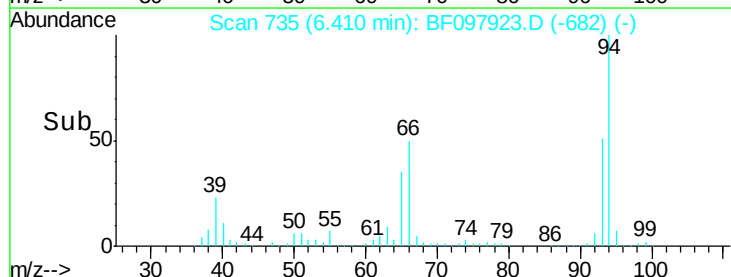
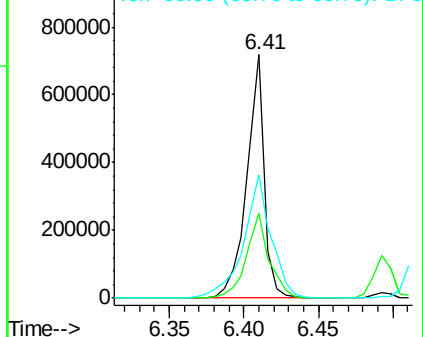
66 50.5 23.1 63.1

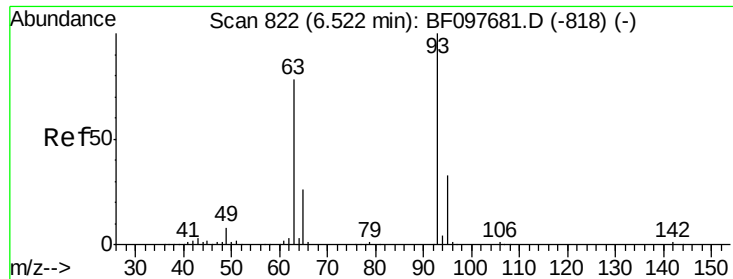


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

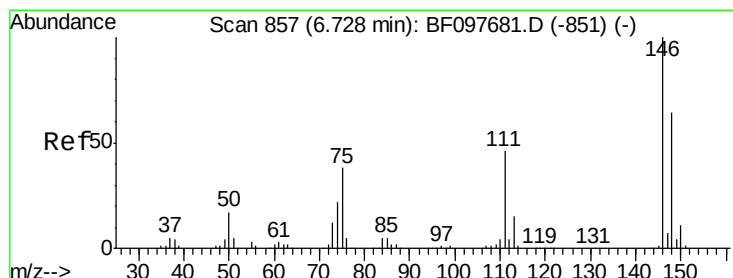
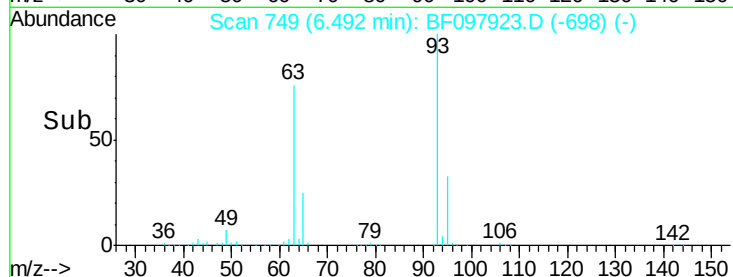
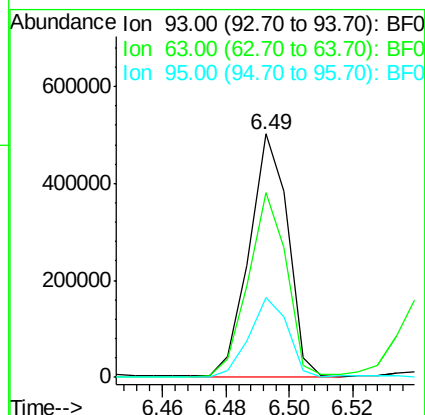
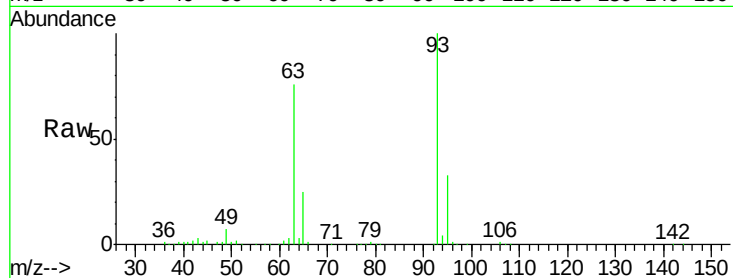




#11
bis(2-Chloroethyl)ether
Concen: 43.90 ng
RT: 6.49 min Scan# 749
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

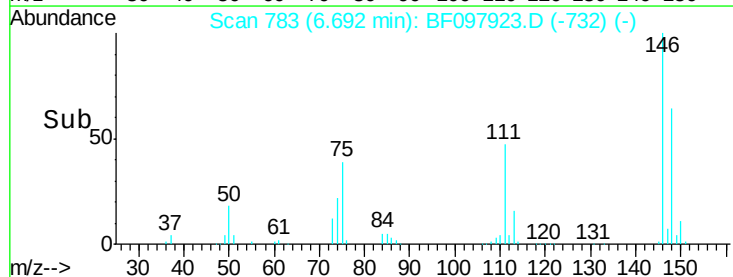
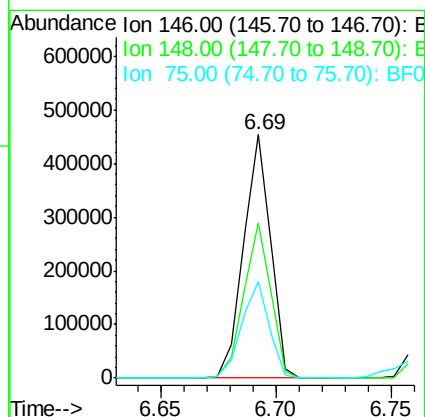
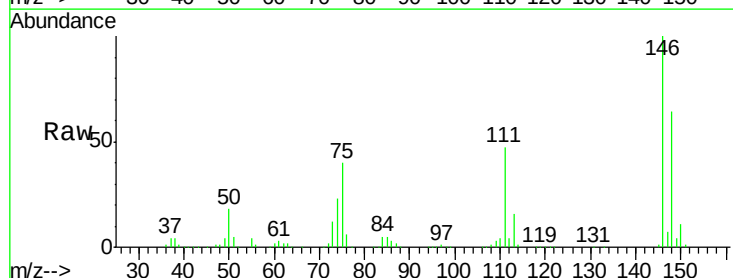
Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

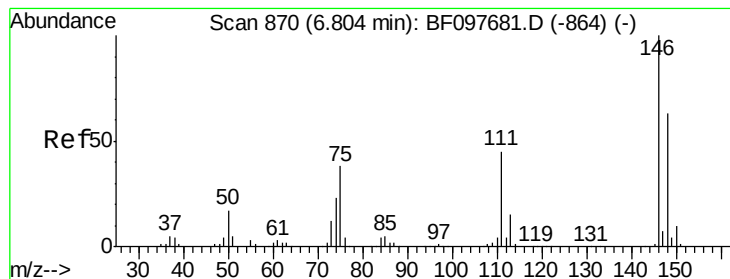
Tot Ion: 93 Resp: 422506
Ion Ratio Lower Upper
93 100
63 76.1 59.2 99.2
95 33.0 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 40.67 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion: 146 Resp: 370227
Ion Ratio Lower Upper
146 100
148 63.5 51.8 77.6
75 39.9 23.1 34.7#





#13

1,4-Dichlorobenzene

Concen: 40.16 ng

RT: 6.77 min Scan# 796

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MSD

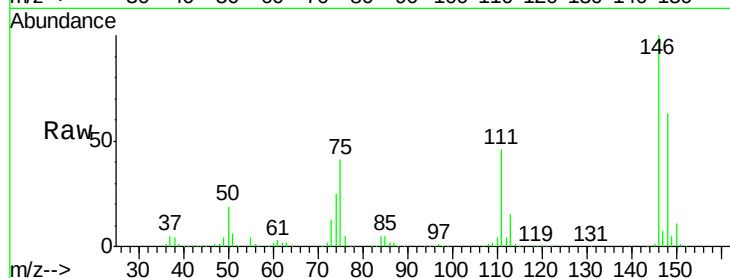
Tot Ion:146 Resp: 371798

Ion Ratio Lower Upper

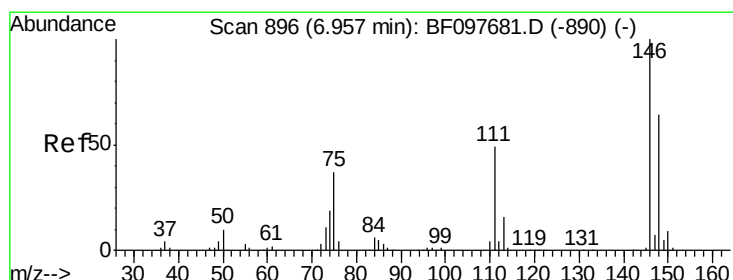
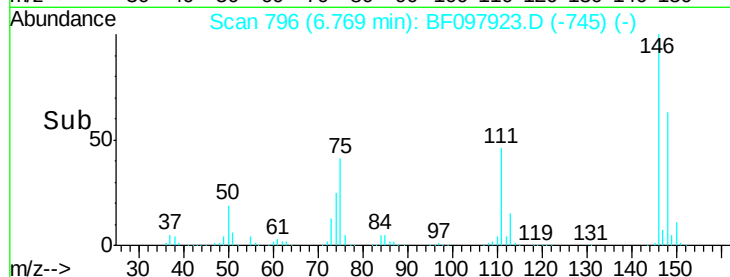
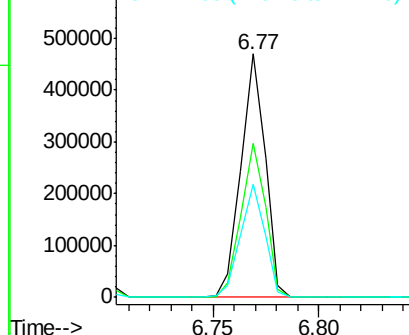
146 100

148 63.0 52.2 78.2

111 46.5 30.3 45.5#



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



#14

1,2-Dichlorobenzene

Concen: 40.50 ng

RT: 6.92 min Scan# 822

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

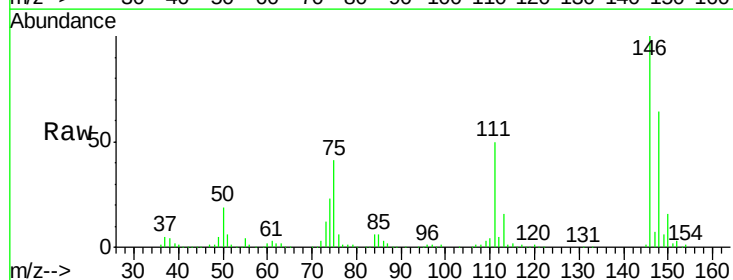
Tgt Ion:146 Resp: 345756

Ion Ratio Lower Upper

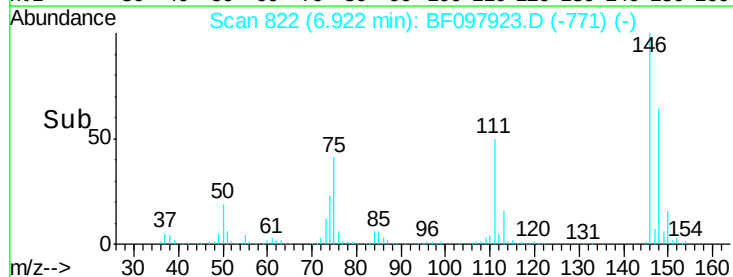
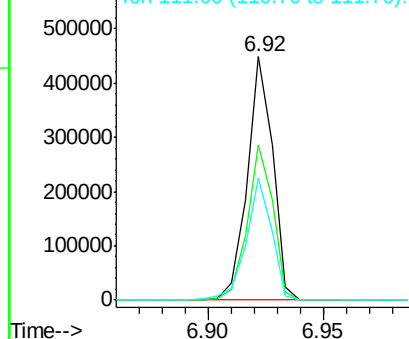
146 100

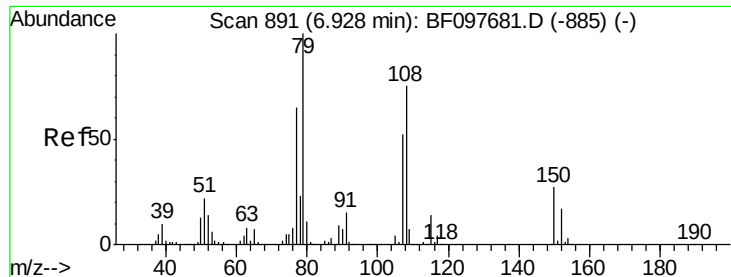
148 63.6 50.4 75.6

111 49.9 38.2 57.4



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





#15

Benzyl Alcohol

Concen: 45.16 ng

RT: 6.90 min Scan# 818

Delta R.T. 0.01 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MSD

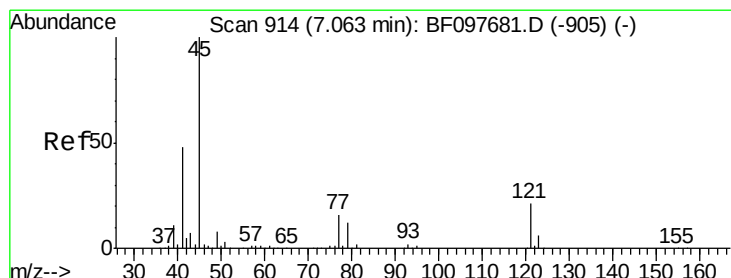
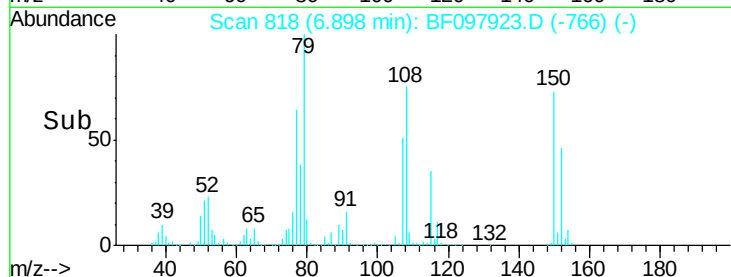
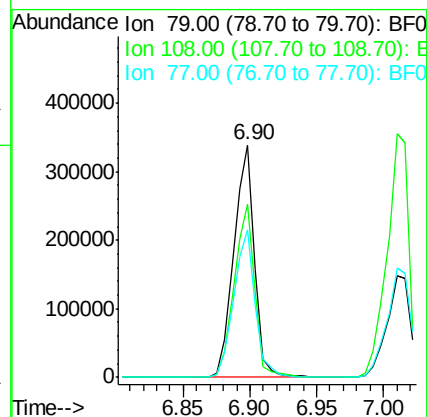
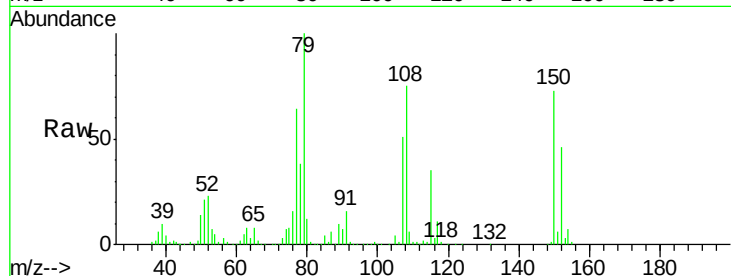
Tot Ion: 79 Resp: 368638

Ion Ratio Lower Upper

79 100

108 74.5 63.4 95.0

77 63.6 49.2 73.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 42.55 ng

RT: 7.03 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

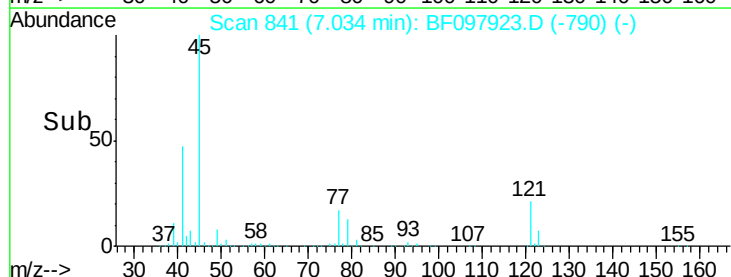
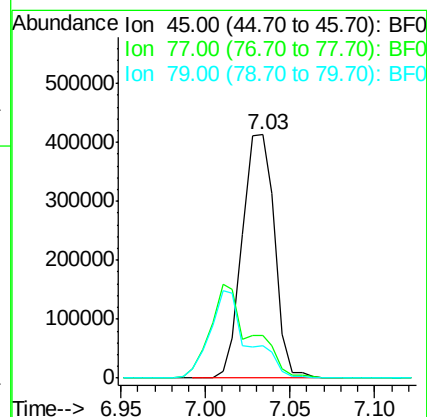
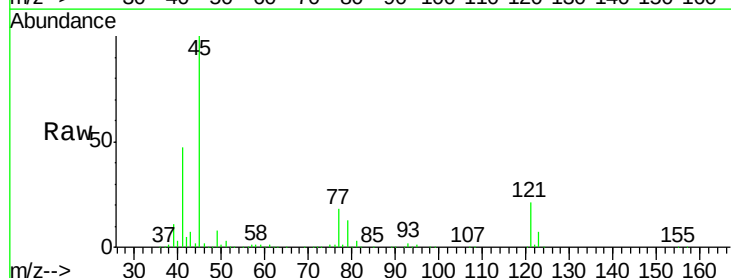
Tgt Ion: 45 Resp: 550995

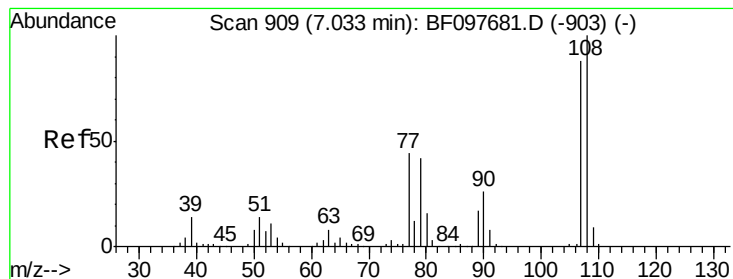
Ion Ratio Lower Upper

45 100

77 17.5 0.0 33.2

79 13.1 0.0 30.0

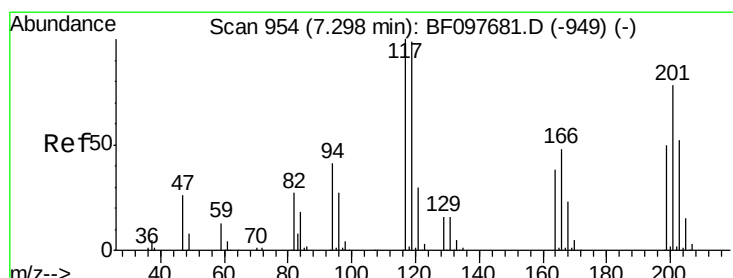
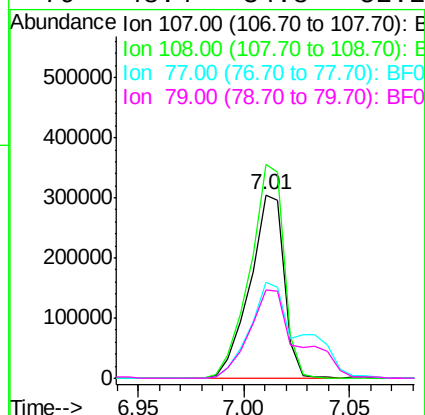
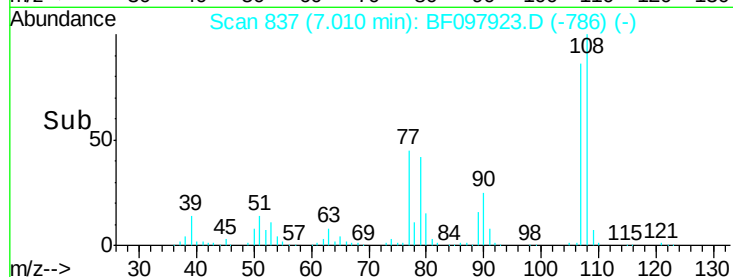
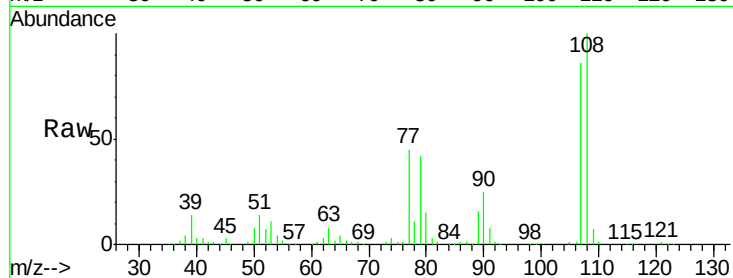




#17
2-Methylphenol
Concen: 45.97 ng
RT: 7.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

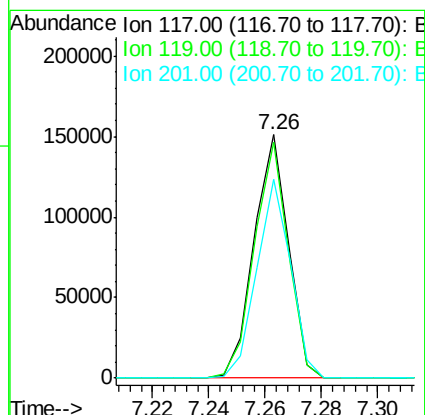
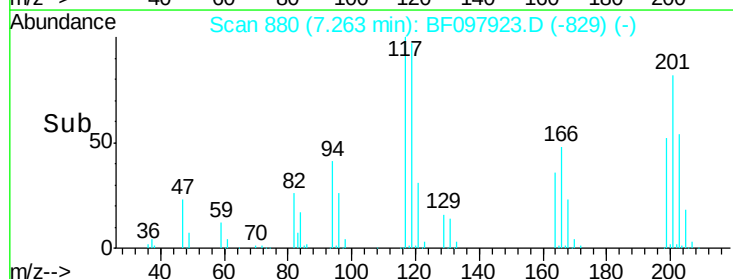
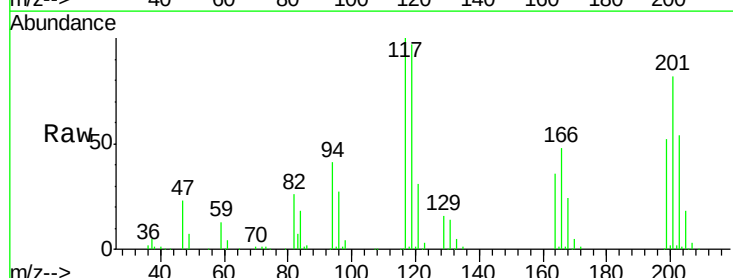
Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

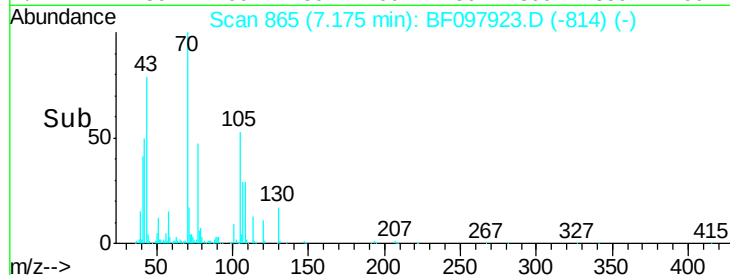
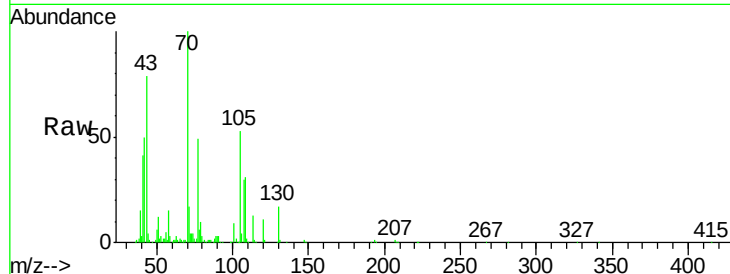
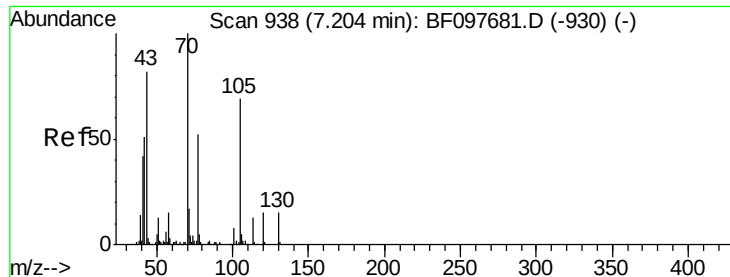
Tot Ion:	107	Resp:	342826
Ion	Ratio	Lower	Upper
107	100		
108	116.4	93.4	140.0
77	52.1	35.8	53.6
79	48.4	34.8	52.2



#18
Hexachloroethane
Concen: 35.26 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion:	117	Resp:	128001
Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.4	116.0
201	81.9	94.6	141.8#

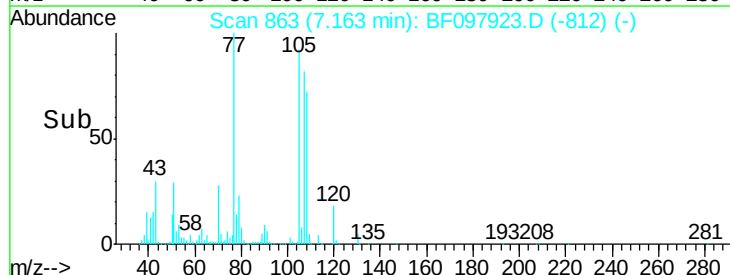
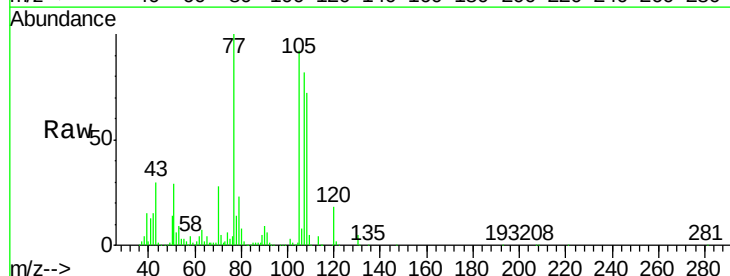
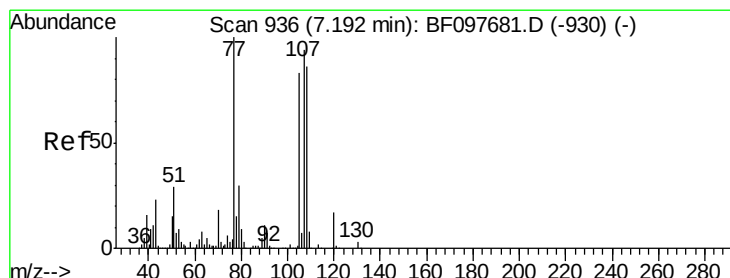
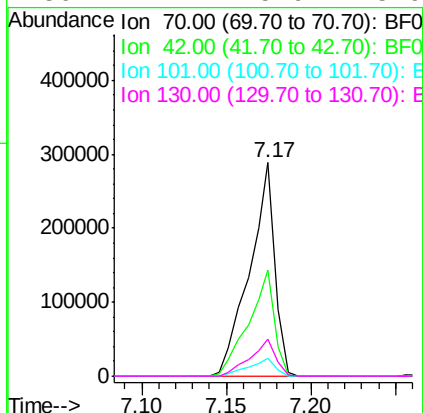




#19
n-Nitroso-di-n-propylamine
Concen: 40.48 ng
RT: 7.17 min Scan# 865
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

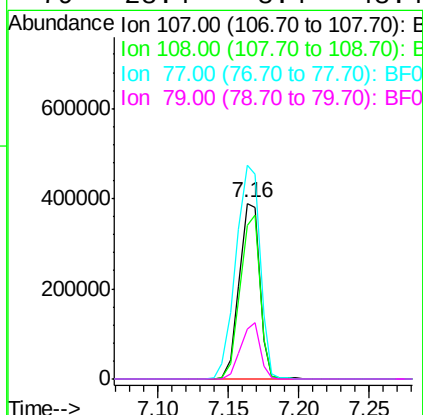
Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

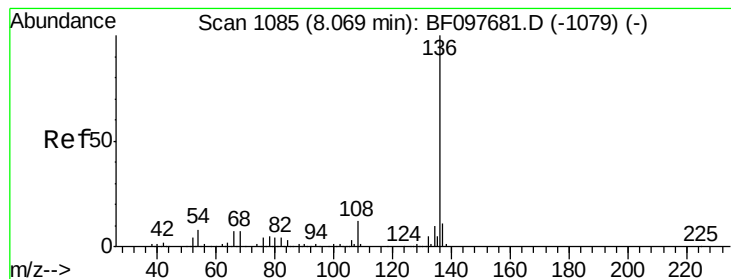
Tot Ion:	70	Resp:	302113
Ion	Ratio	Lower	Upper
70	100		
42	49.9	47.2	70.8
101	8.6	7.2	10.8
130	17.4	15.9	23.9



#20
3+4-Methylphenols
Concen: 43.59 ng
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion:	107	Resp:	397033
Ion	Ratio	Lower	Upper
107	100		
108	87.7	71.0	111.0
77	121.8	90.5	130.5
79	28.4	8.4	48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MSD

Tot Ion:136 Resp: 481679

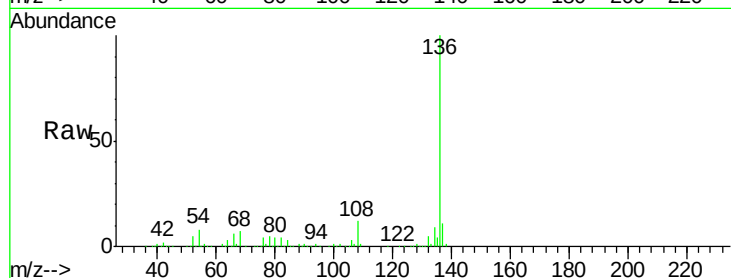
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.9 4.9 7.3#

68 7.3 4.1 6.1#

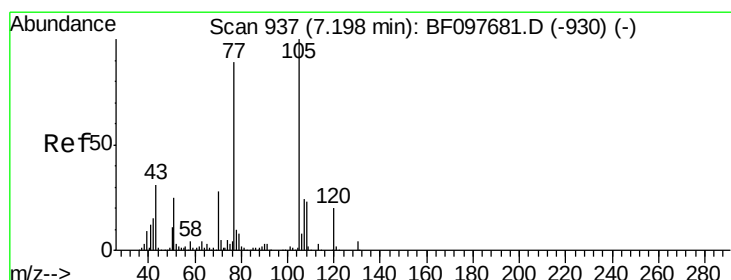
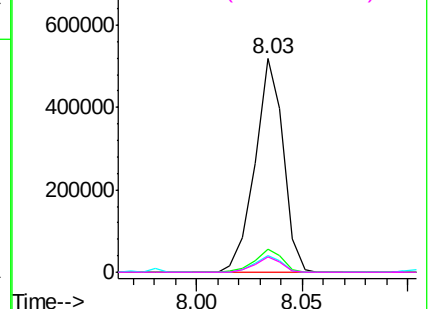
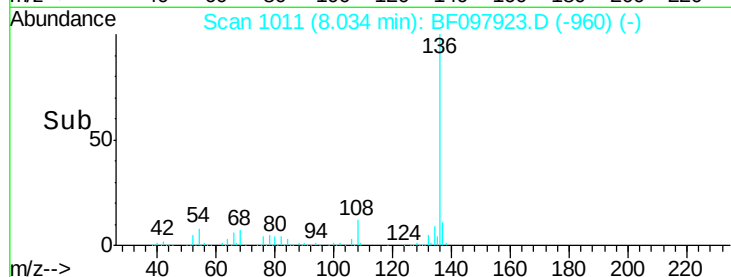


Abundance Ion 136.00 (135.70 to 136.70): E

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: 42.36 ng

RT: 7.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Tgt Ion:105 Resp: 538977

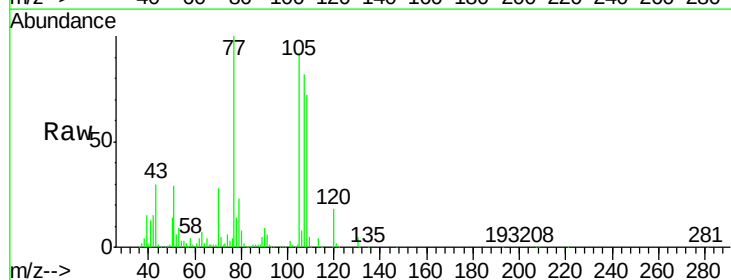
Ion Ratio Lower Upper

105 100

71 5.0 2.8 4.2#

51 31.0 30.7 46.1

120 19.9 17.4 26.0

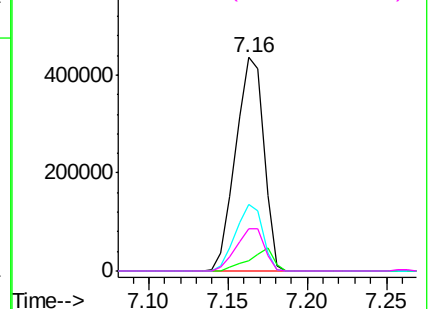
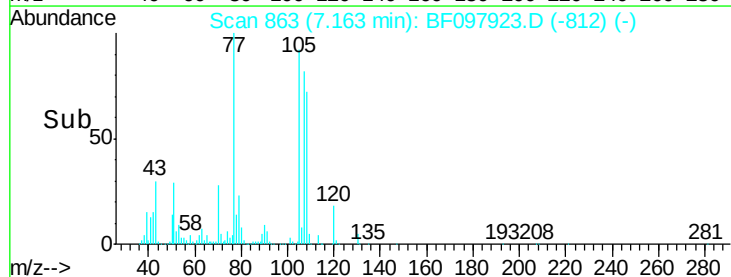


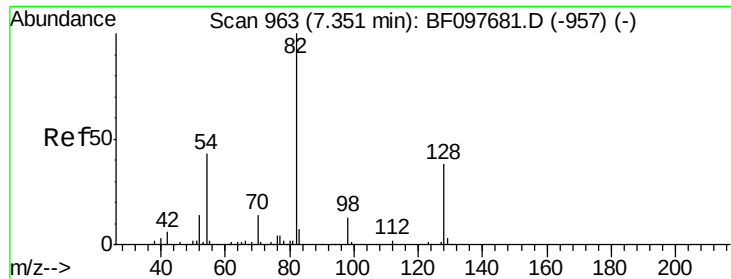
Abundance Ion 105.00 (104.70 to 105.70): E

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

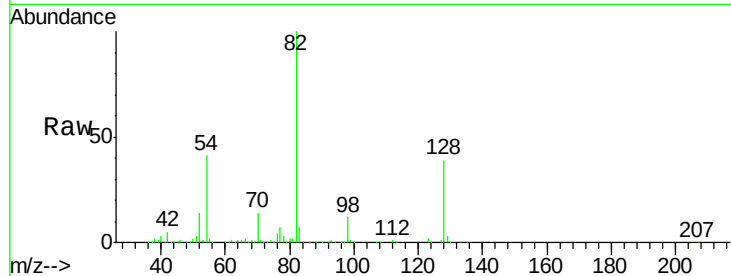




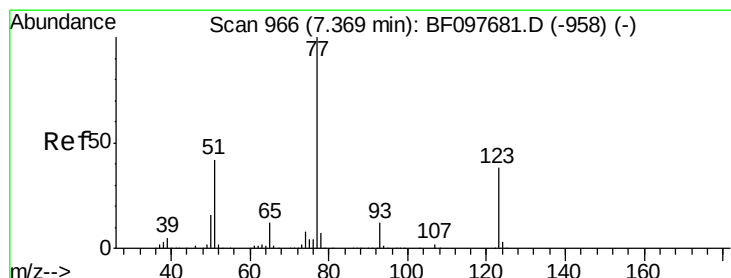
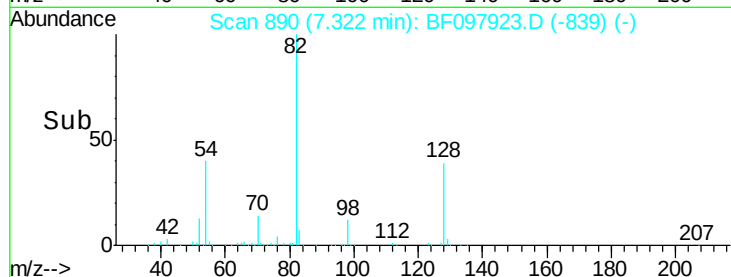
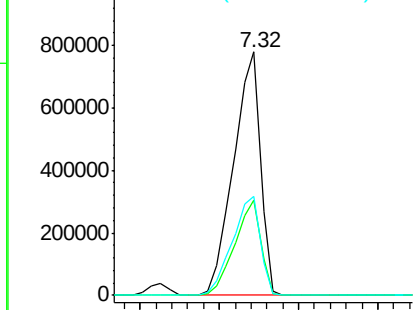
#23
 Nitrobenzene-d5
 Concen: 103.18 ng
 RT: 7.32 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

Tot Ion	82	Resp	914832
Ion Ratio	Lower	Upper	
82	100		
128	39.2	34.0	51.0
54	40.5	42.2	63.2#

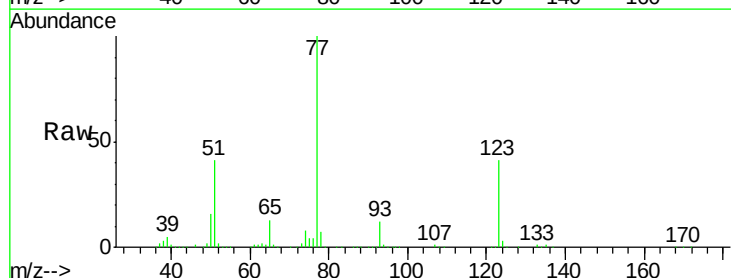


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

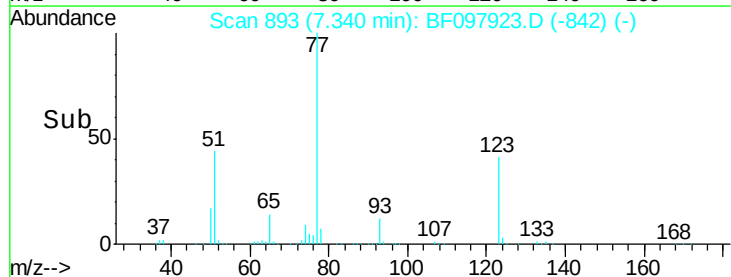
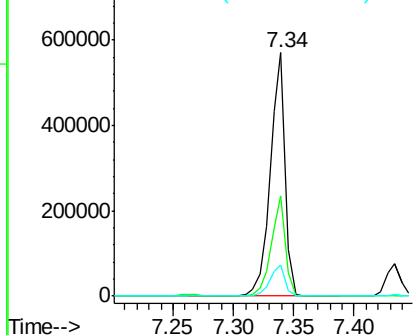


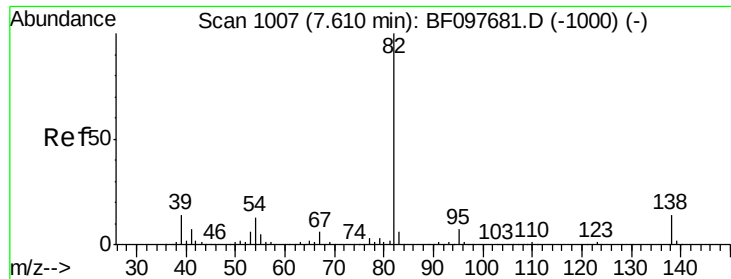
#24
 Nitrobenzene
 Concen: 48.45 ng
 RT: 7.34 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion	77	Resp	478340
Ion Ratio	Lower	Upper	
77	100		
123	41.4	35.8	53.8
65	12.9	10.6	15.8



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





#25

Isophorone

Concen: 46.05 ng

RT: 7.58 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MSD

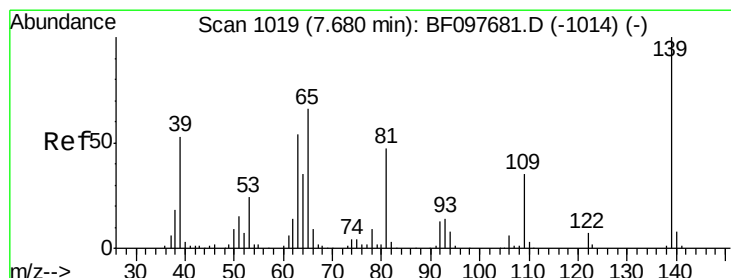
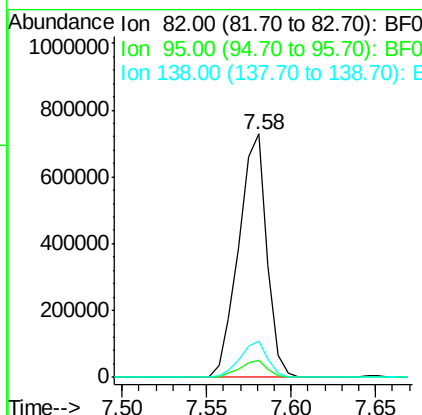
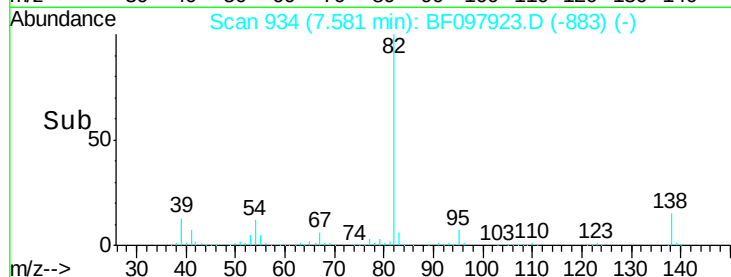
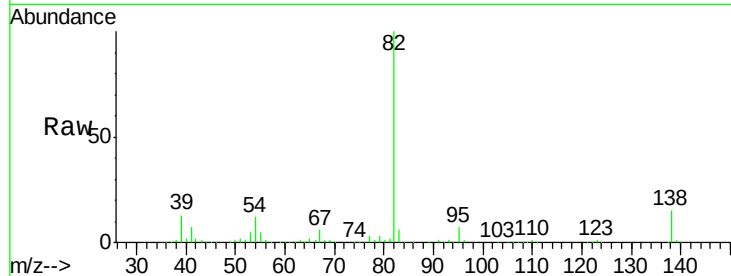
Tot Ion: 82 Resp: 849043

Ion Ratio Lower Upper

82 100

95 6.9 5.3 7.9

138 14.9 13.1 19.7



#26

2-Nitrophenol

Concen: 48.58 ng

RT: 7.65 min Scan# 946

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

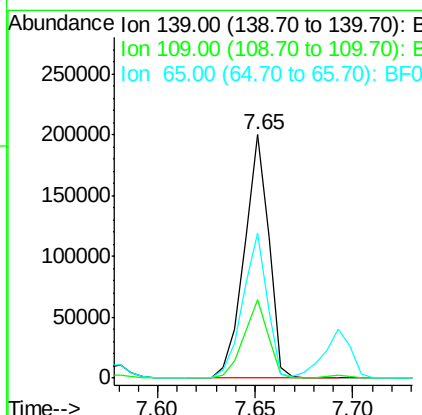
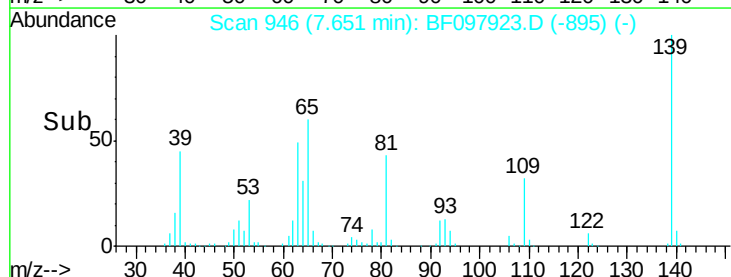
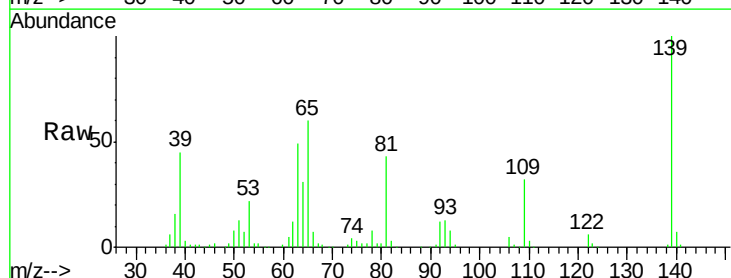
Tgt Ion: 139 Resp: 174008

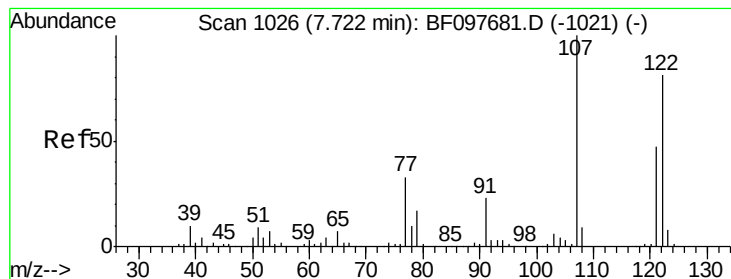
Ion Ratio Lower Upper

139 100

109 32.3 21.0 31.6#

65 59.8 33.0 49.6#





#27

2,4-Dimethylphenol

Concen: 44.19 ng

RT: 7.69 min Scan# 953

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MSD

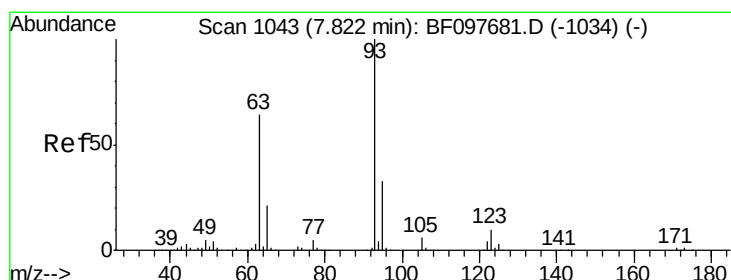
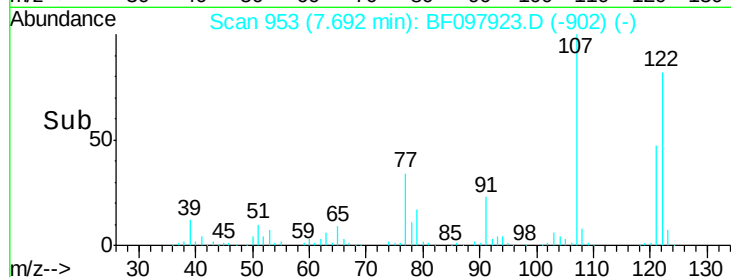
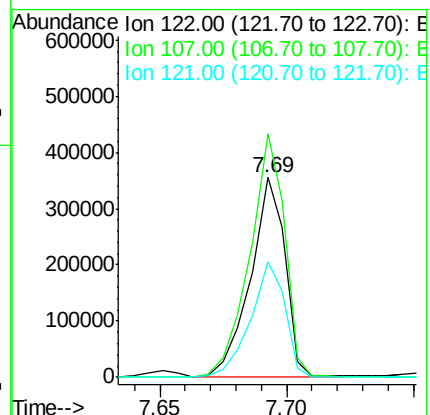
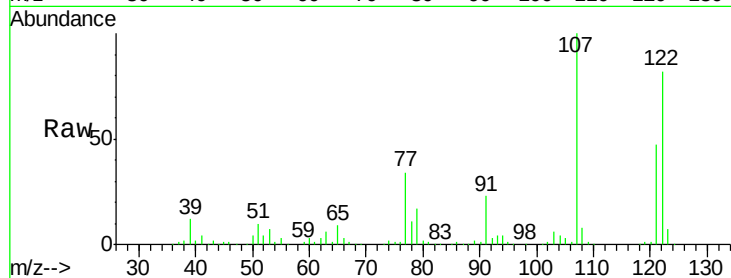
Tot Ion:122 Resp: 339825

Ion Ratio Lower Upper

122 100

107 121.8 89.2 133.8

121 57.7 45.2 67.8



#28

bis(2-Chloroethoxy)methane

Concen: 44.54 ng

RT: 7.79 min Scan# 969

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

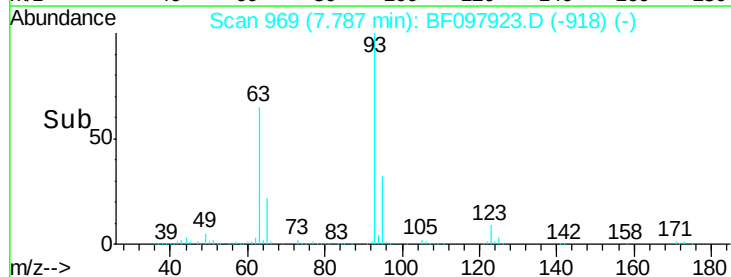
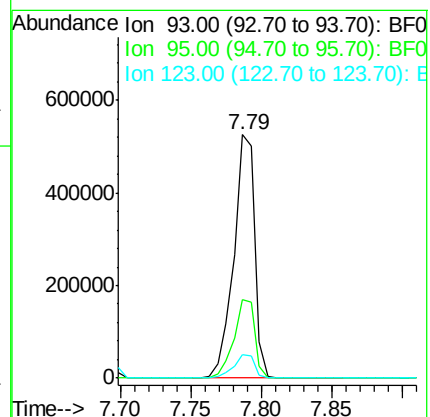
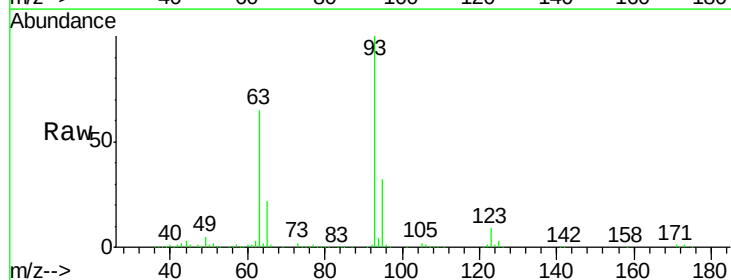
Tgt Ion: 93 Resp: 539903

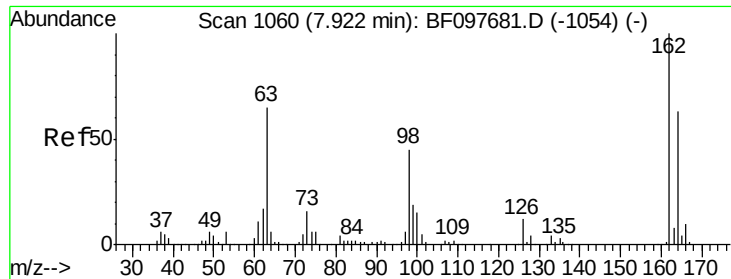
Ion Ratio Lower Upper

93 100

95 32.3 26.5 39.7

123 9.4 9.0 13.4

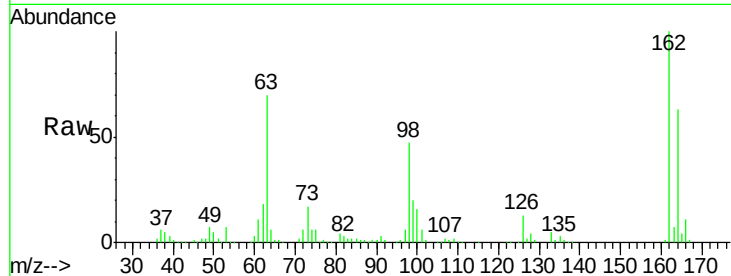




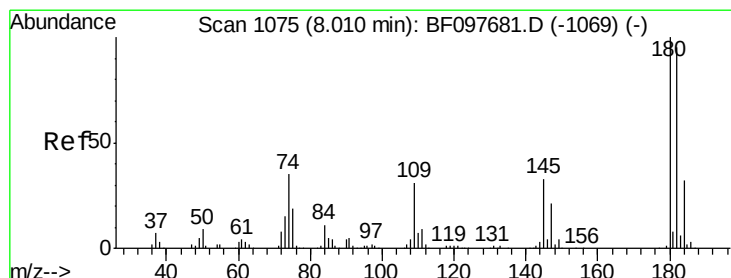
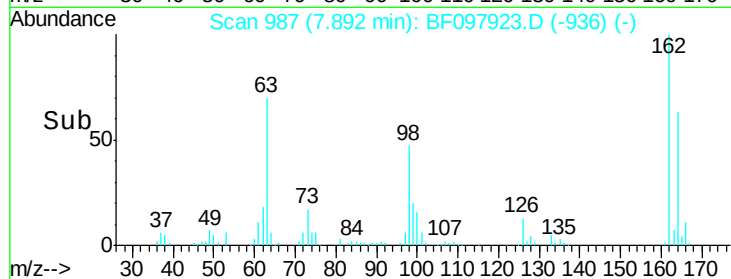
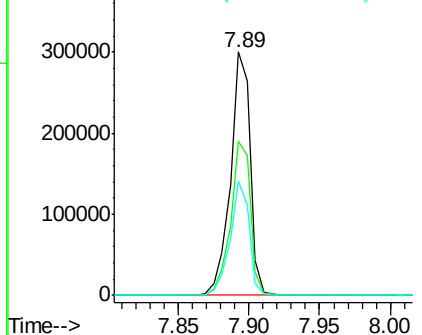
#29
 2,4-Dichlorophenol
 Concen: 45.67 ng
 RT: 7.89 min Scan# 987
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.5	44.6	84.6
98	47.0	14.8	54.8

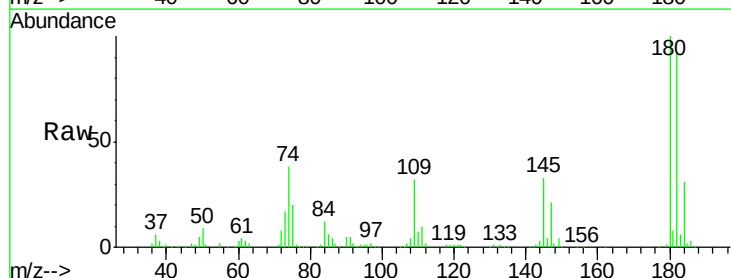


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

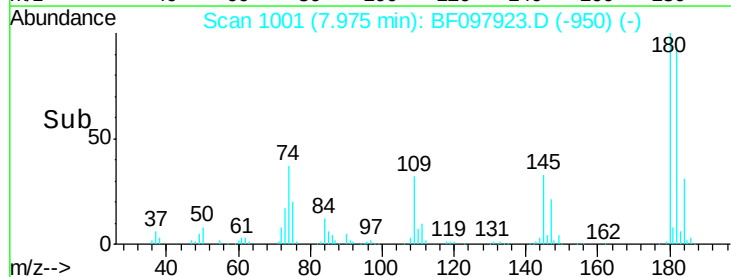
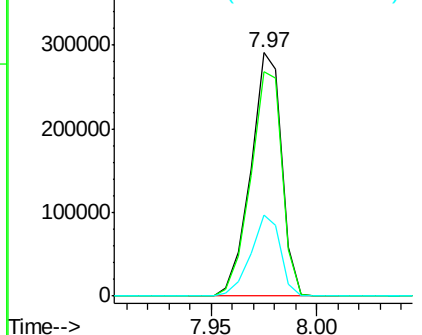


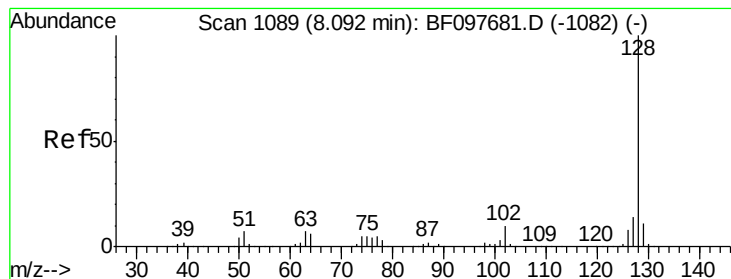
#30
 1,2,4-Trichlorobenzene
 Concen: 41.79 ng
 RT: 7.97 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.3	75.8	113.6
145	33.2	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: 41.67 ng

RT: 8.06 min Scan# 1015

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MSD

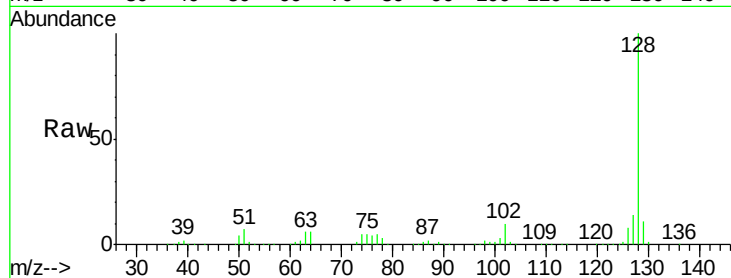
Tot Ion:128 Resp: 1042135

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

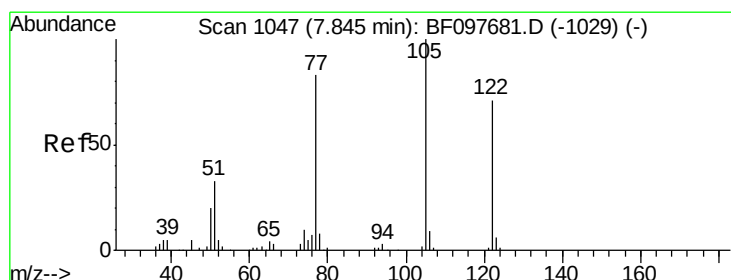
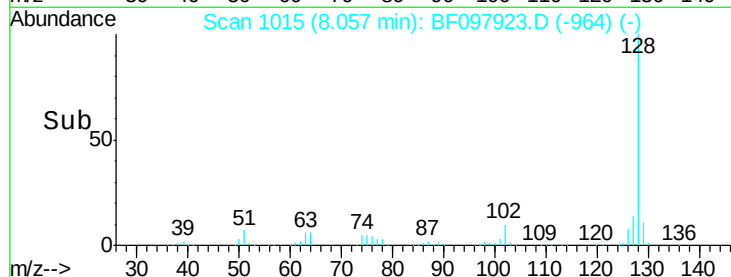
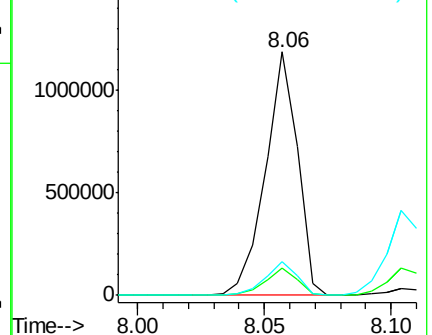
127 13.7 10.8 16.2



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: 13.03 ng

RT: 7.78 min Scan# 968

Delta R.T. -0.05 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

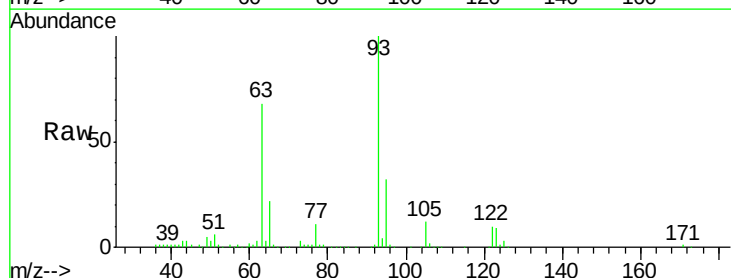
Tgt Ion:122 Resp: 42857

Ion Ratio Lower Upper

122 100

105 124.3 103.3 143.3

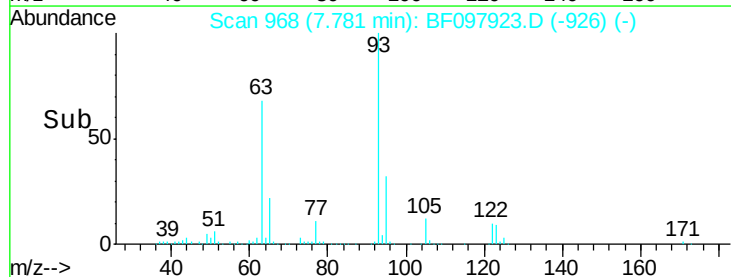
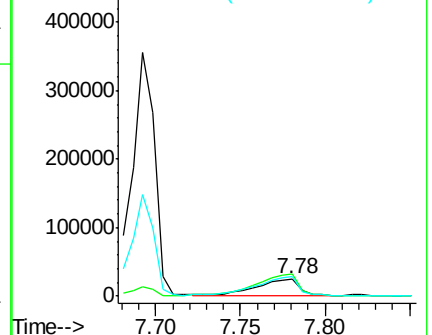
77 111.7 73.7 113.7

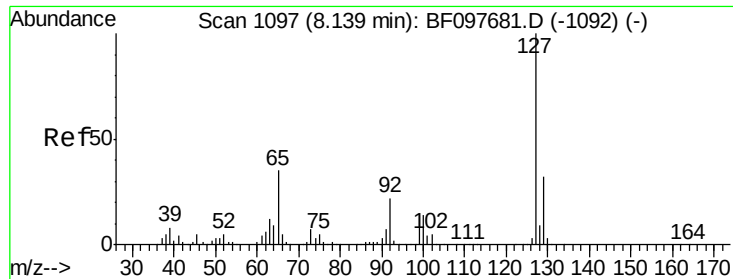


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

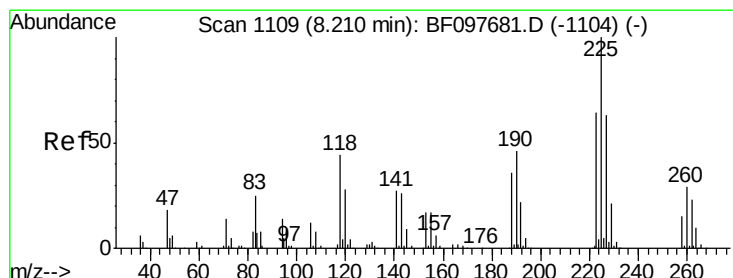
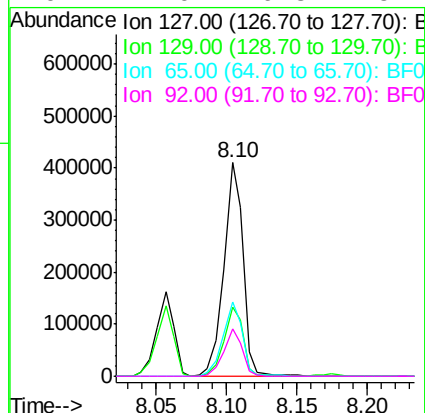
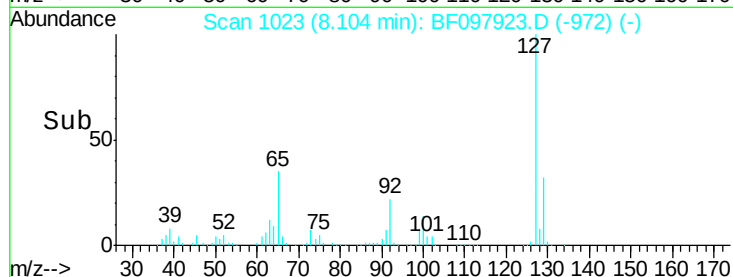
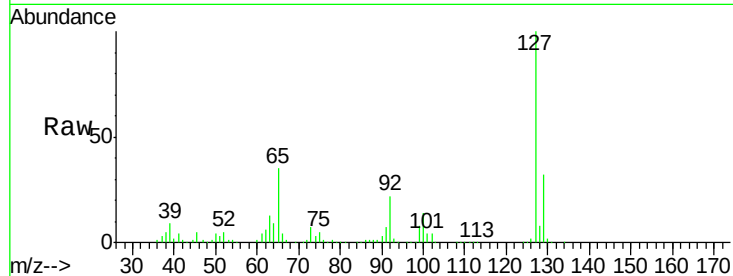




#33
4-Chloroaniline
Concen: 36.54 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

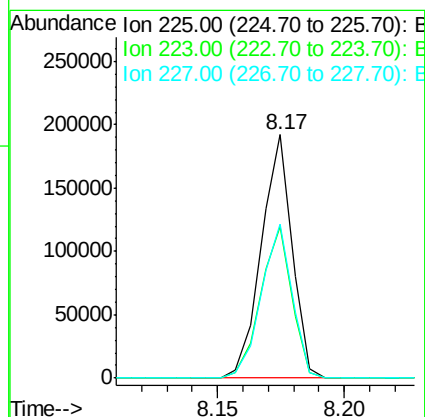
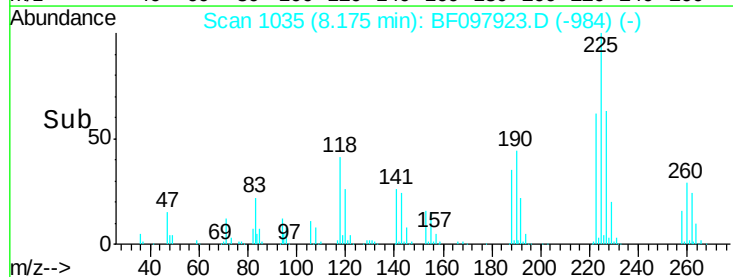
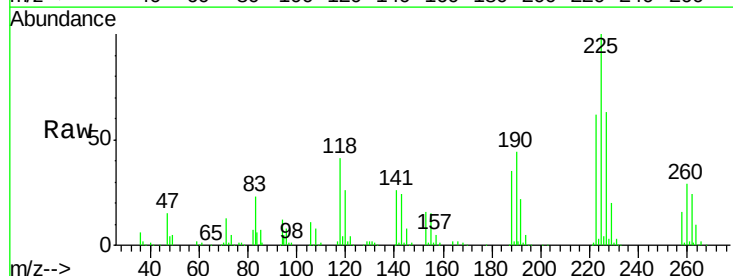
Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

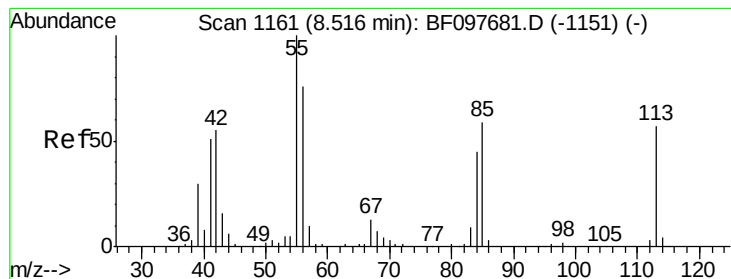
Tot Ion:	127	Resp:	385395
Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.2	39.2
65	34.9	27.8	41.8
92	22.0	16.8	25.2



#34
Hexachlorobutadiene
Concen: 39.37 ng
RT: 8.17 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion:	225	Resp:	162663
Ion	Ratio	Lower	Upper
225	100		
223	62.3	48.8	73.2
227	63.0	51.1	76.7





#35

Caprolactam

Concen: 45.27 ng

RT: 8.48 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MSD

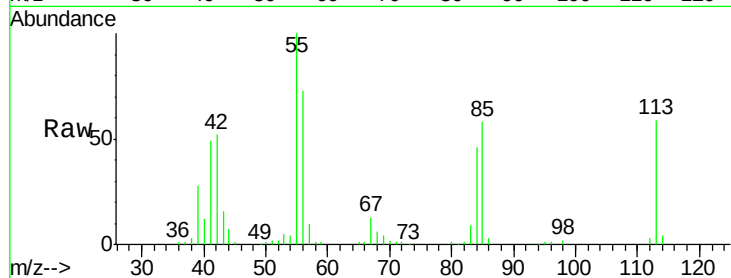
Tot Ion:113 Resp: 98238

Ion Ratio Lower Upper

113 100

55 170.9 150.2 190.2

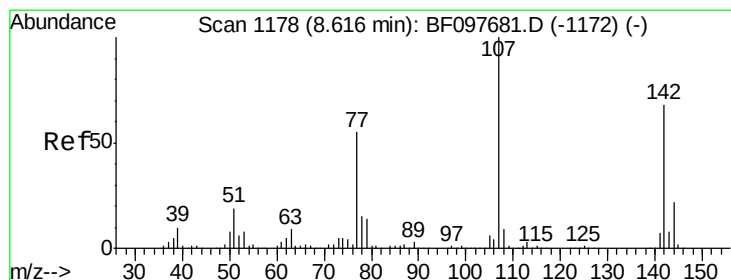
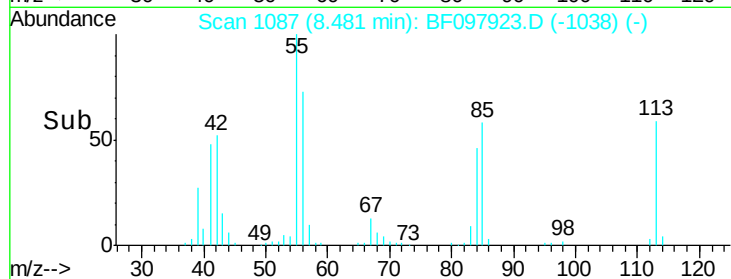
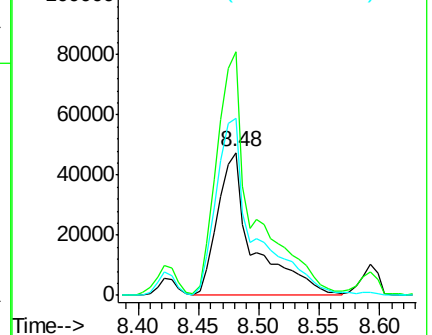
56 124.6 107.8 147.8



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 43.28 ng

RT: 8.59 min Scan# 1106

Delta R.T. 0.01 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

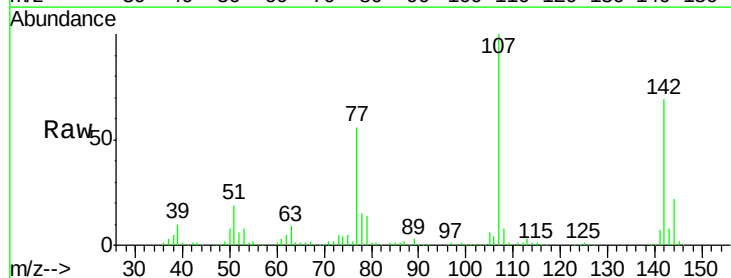
Tgt Ion:107 Resp: 354930

Ion Ratio Lower Upper

107 100

144 22.2 24.2 36.4#

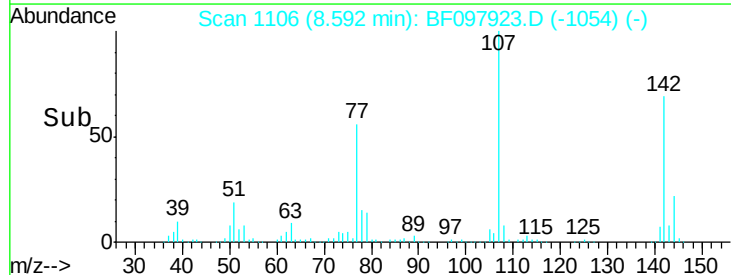
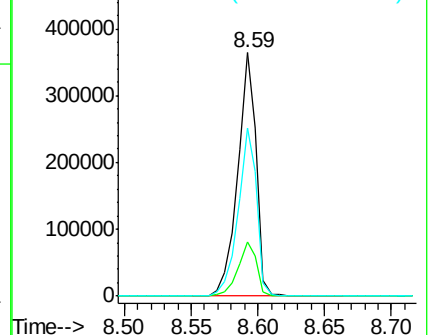
142 69.1 73.4 110.0#

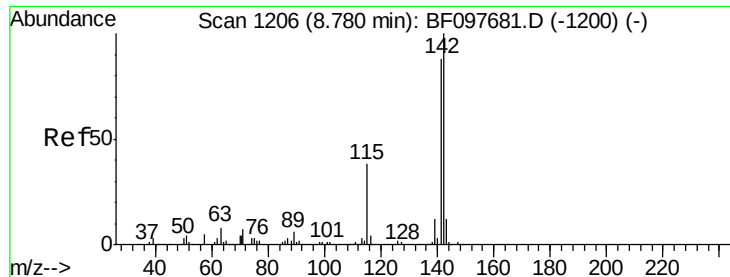


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

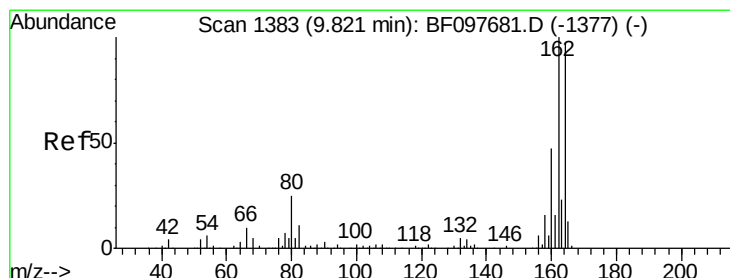
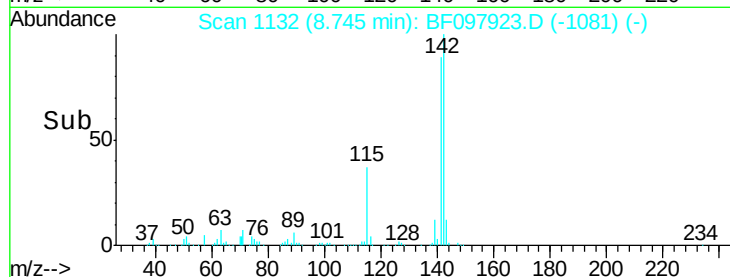
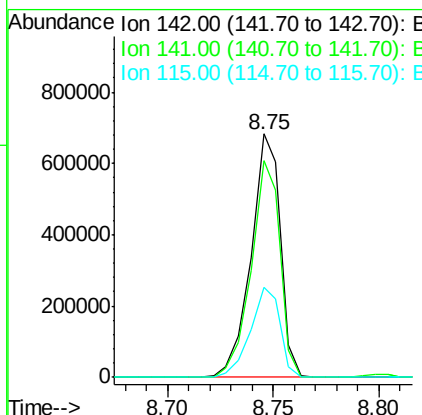
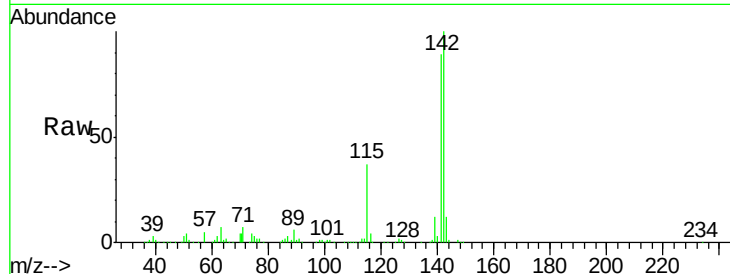




#37
 2-Methylnaphthalene
 Concen: 43.04 ng
 RT: 8.75 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

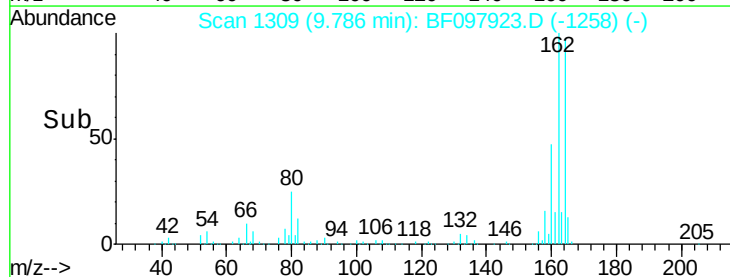
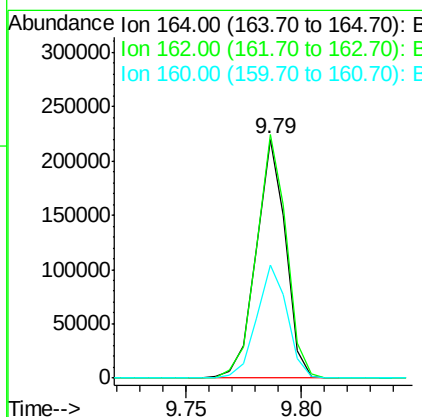
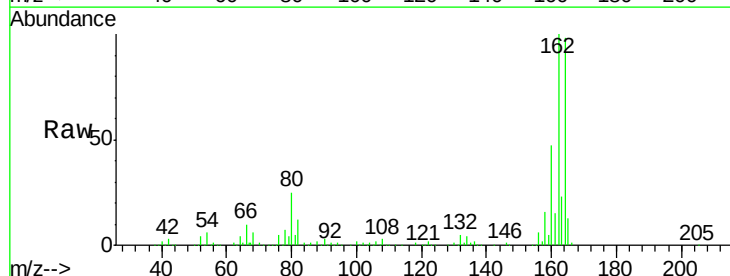
Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

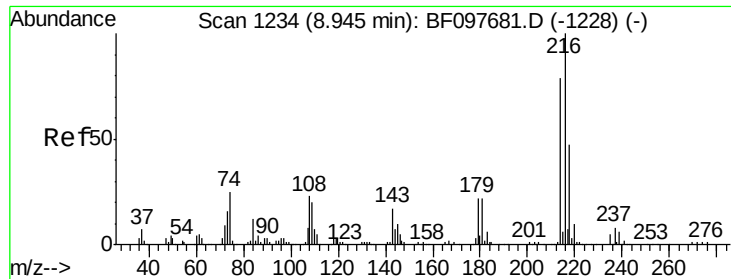
Tot Ion:142 Resp: 659910
 Ion Ratio Lower Upper
 142 100
 141 88.9 71.3 106.9
 115 37.1 27.1 40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion:164 Resp: 195028
 Ion Ratio Lower Upper
 164 100
 162 102.0 82.6 123.8
 160 47.4 36.2 54.2

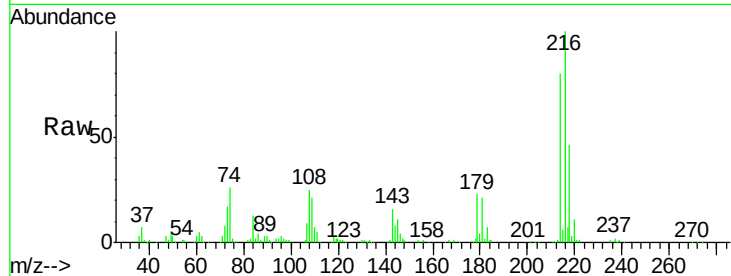




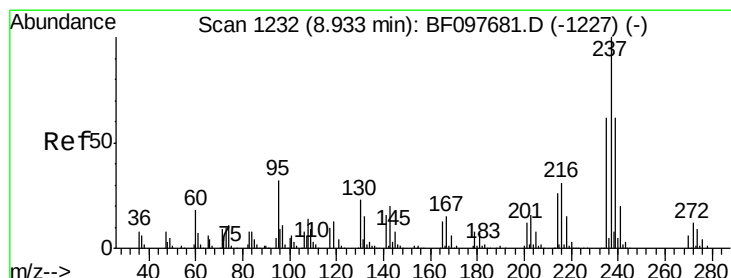
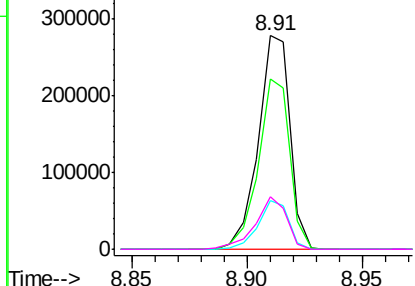
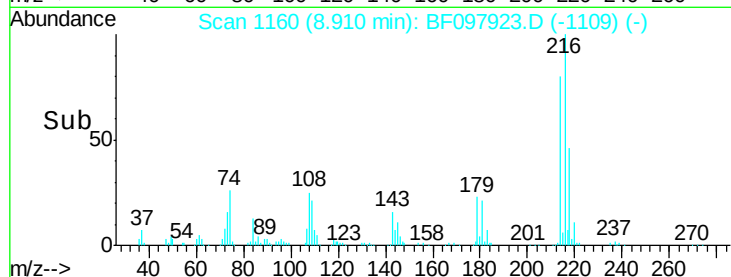
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 44.65 ng
 RT: 8.91 min Scan# 1160
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

Tot Ion:216	Resp:	267246
Ion Ratio	Lower	Upper
216	100	
214	79.0	63.4 95.2
179	21.8	17.9 26.9
108	24.3	16.5 24.7

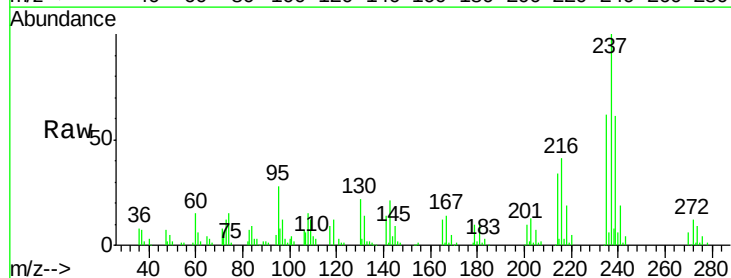


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

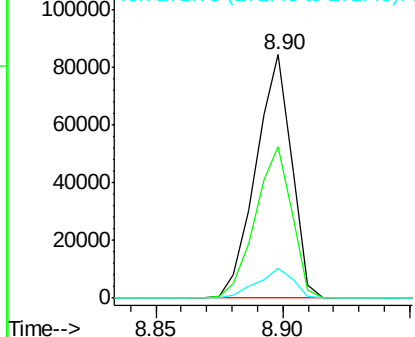
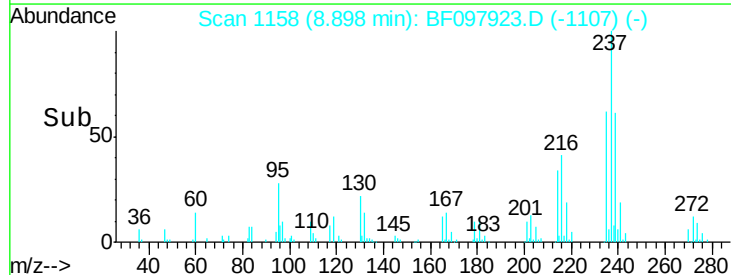


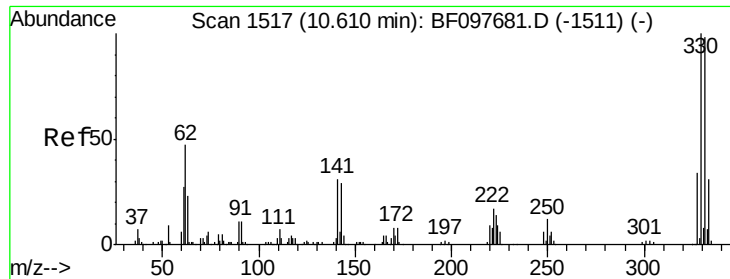
#40
 Hexachlorocyclopentadiene
 Concen: 28.95 ng
 RT: 8.90 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion:237	Resp:	83253
Ion Ratio	Lower	Upper
237	100	
235	62.4	42.6 82.6
272	12.1	0.0 31.9



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

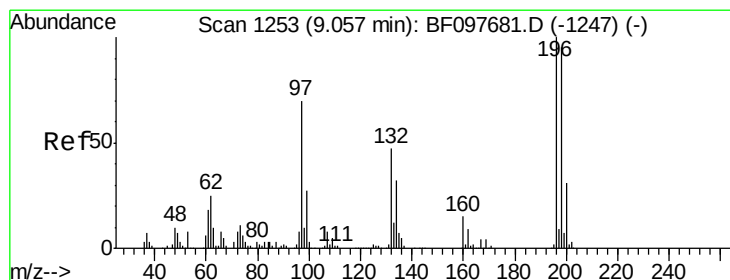
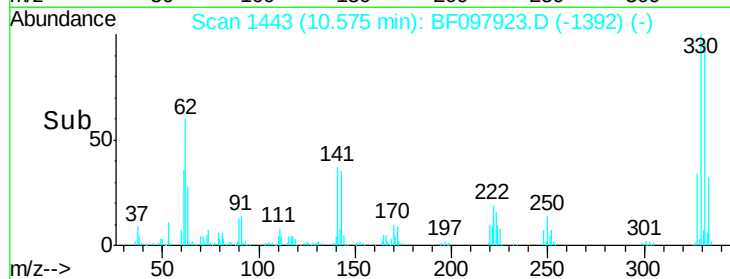
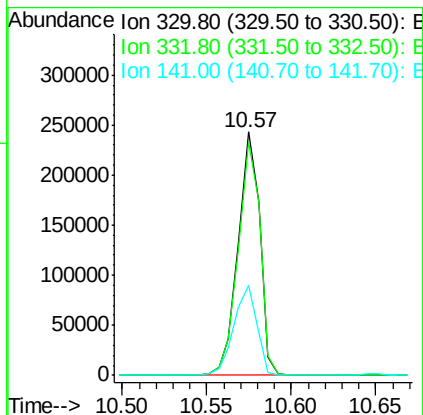
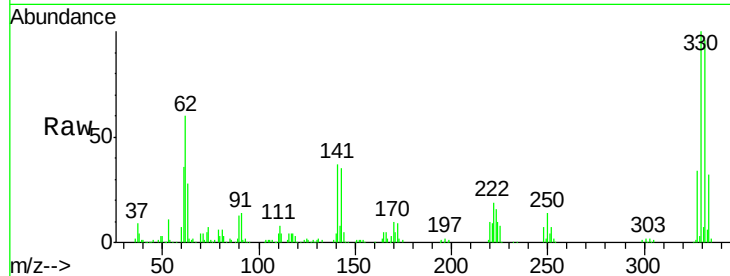




#41
 2,4,6-Tribromophenol
 Concen: 128.94 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

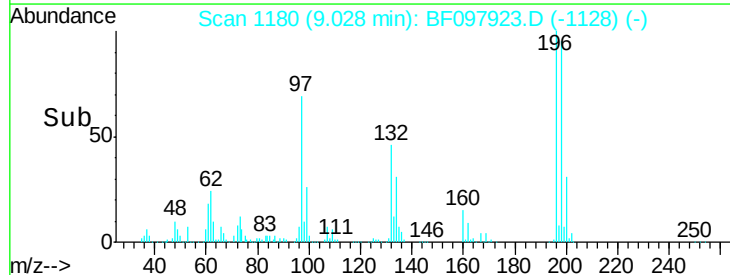
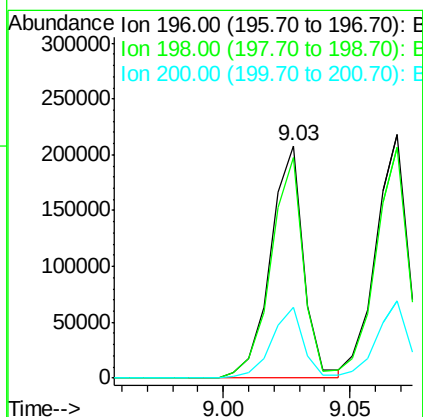
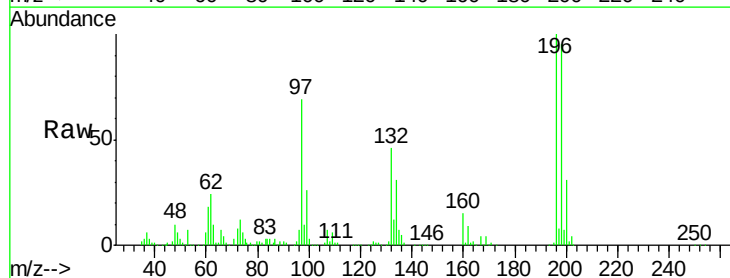
Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

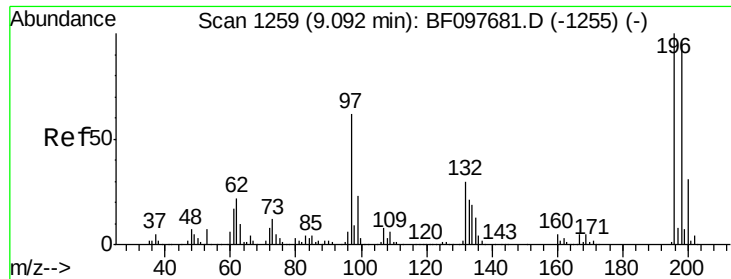
Tot Ion:330 Resp: 218197
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.6 115.0
 141 39.2 31.4 47.2



#42
 2,4,6-Trichlorophenol
 Concen: 47.40 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion:196 Resp: 190483
 Ion Ratio Lower Upper
 196 100
 198 94.9 74.2 111.4
 200 30.6 24.0 36.0

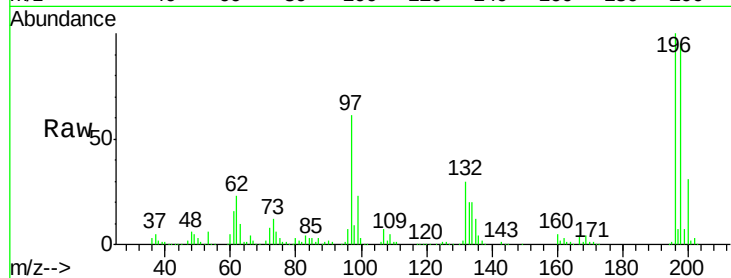




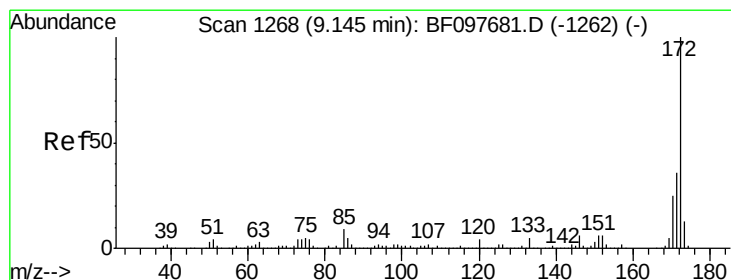
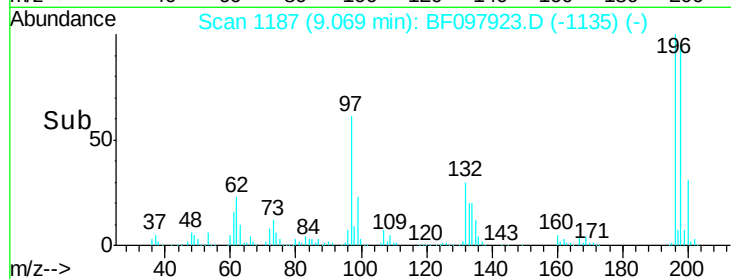
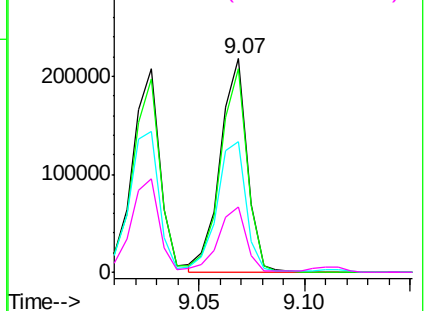
#43
 2,4,5-Trichlorophenol
 Concen: 48.55 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

Tot Ion:196 Resp: 193545
 Ion Ratio Lower Upper
 196 100
 198 95.0 75.7 113.5
 97 60.8 47.7 71.5
 132 30.3 28.0 42.0

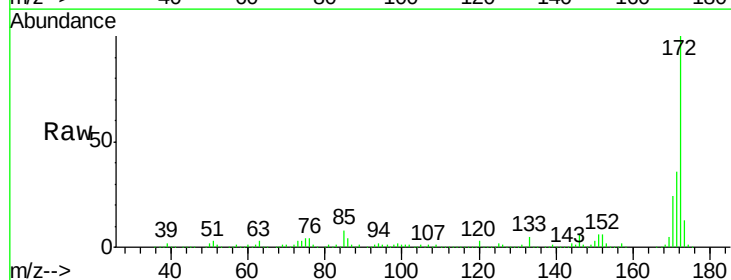


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

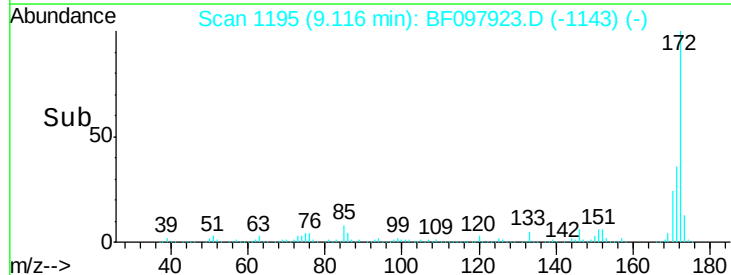
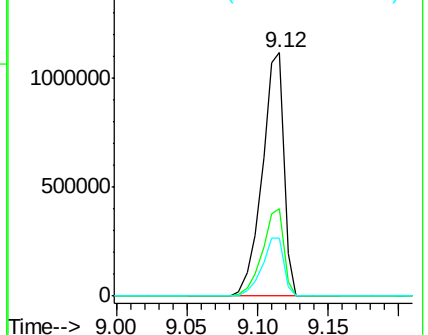


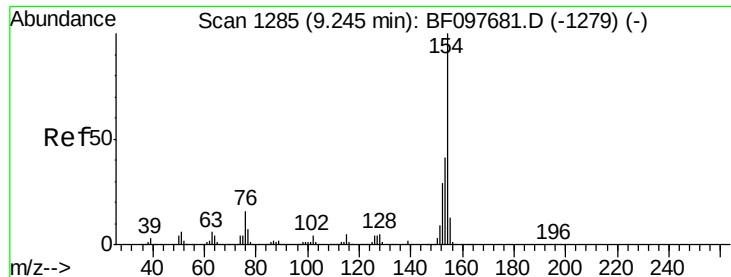
#44
 2-Fluorobiphenyl
 Concen: 91.31 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion:172 Resp: 1212054
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 24.0 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: 42.77 ng

RT: 9.21 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MSD

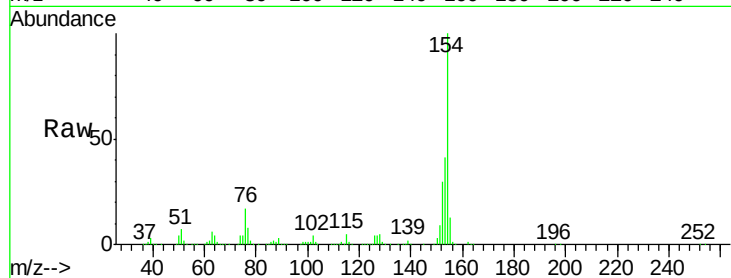
Tot Ion:154 Resp: 760725

Ion Ratio Lower Upper

154 100

153 41.1 21.2 61.2

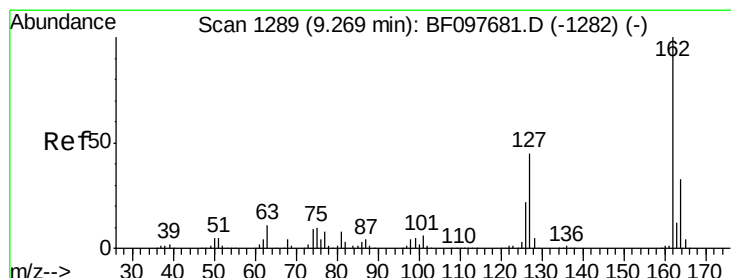
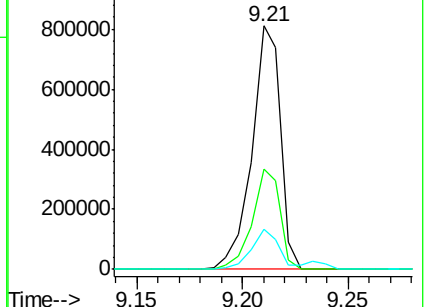
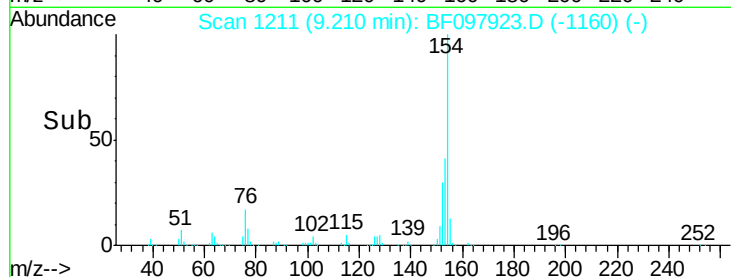
76 16.7 0.0 29.9



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: 42.50 ng

RT: 9.23 min Scan# 1215

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

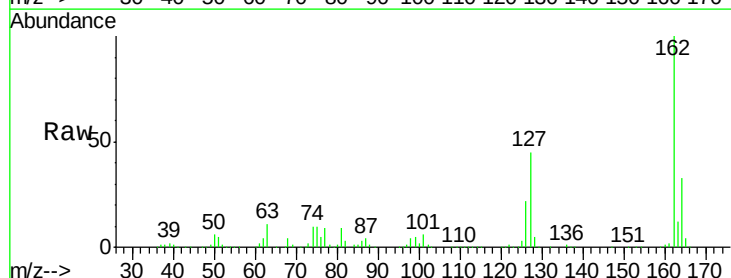
Tgt Ion:162 Resp: 558488

Ion Ratio Lower Upper

162 100

127 44.8 28.3 42.5#

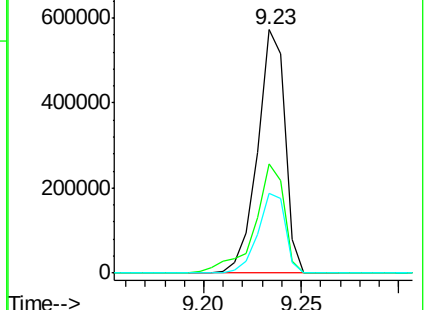
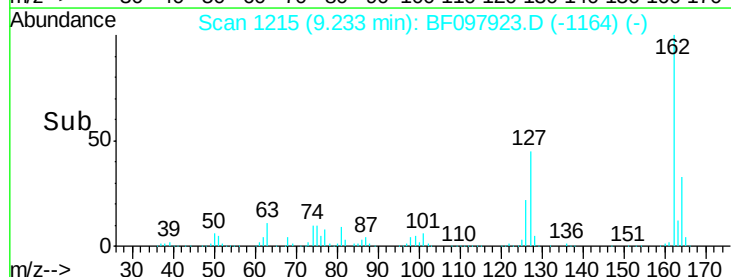
164 32.7 27.0 40.4

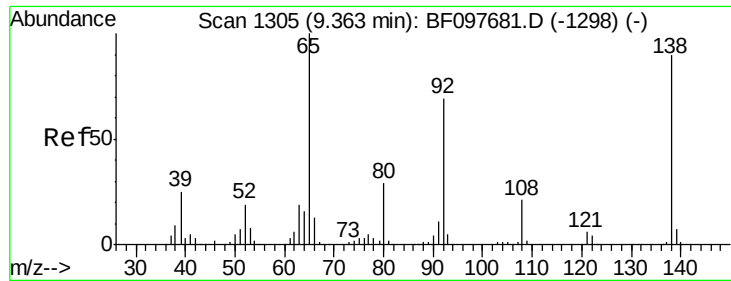


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

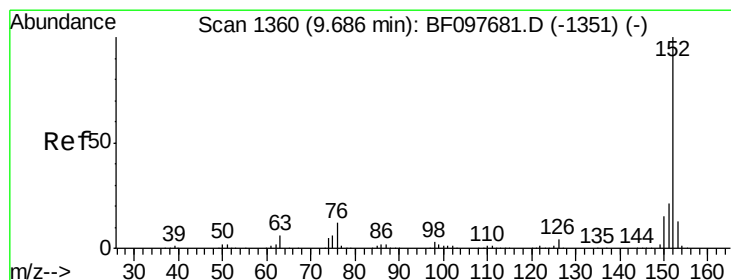
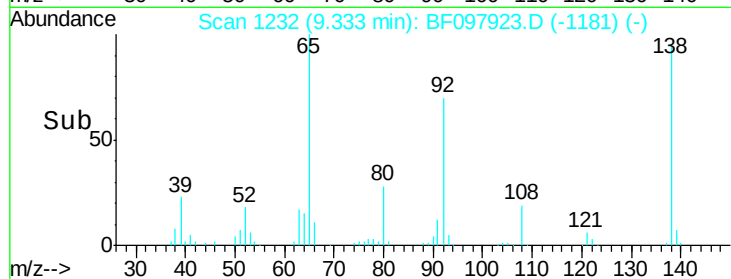
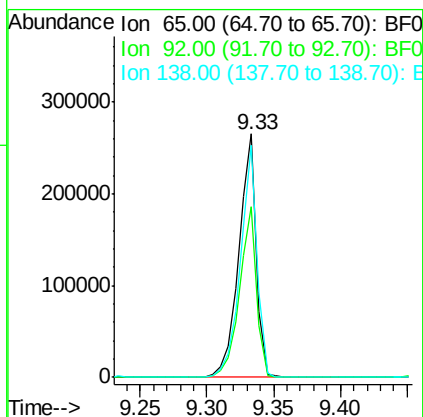
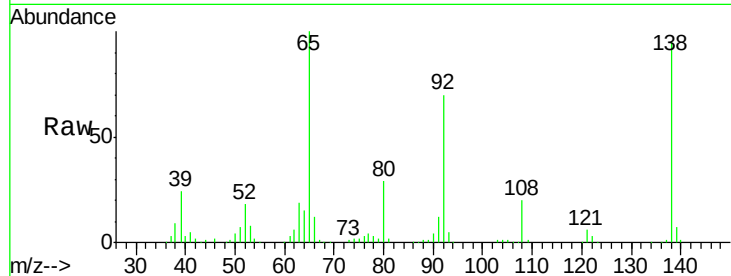




#47
2-Nitroaniline
Concen: 54.92 ng
RT: 9.33 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

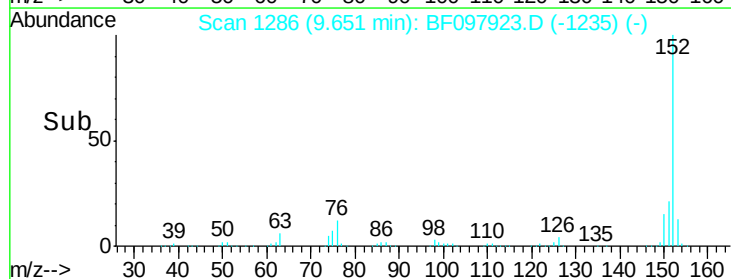
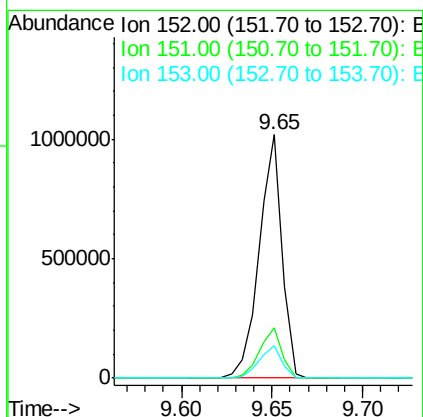
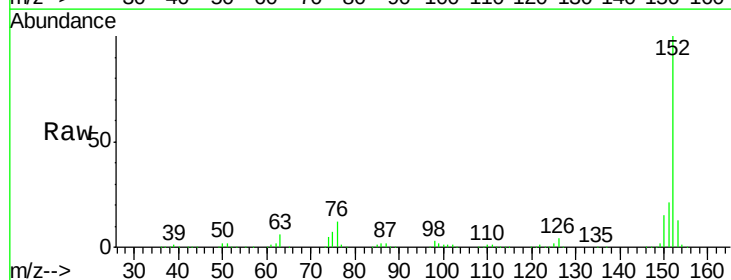
Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

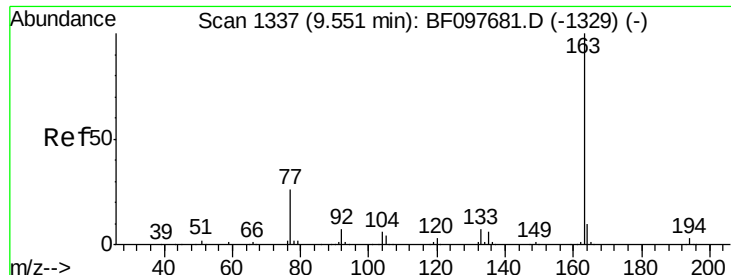
Tot Ion: 65 Resp: 241958
Ion Ratio Lower Upper
65 100
92 69.9 53.9 80.9
138 95.1 78.8 118.2



#48
Acenaphthylene
Concen: 43.18 ng
RT: 9.65 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion: 152 Resp: 890961
Ion Ratio Lower Upper
152 100
151 20.8 16.8 25.2
153 13.1 10.8 16.2

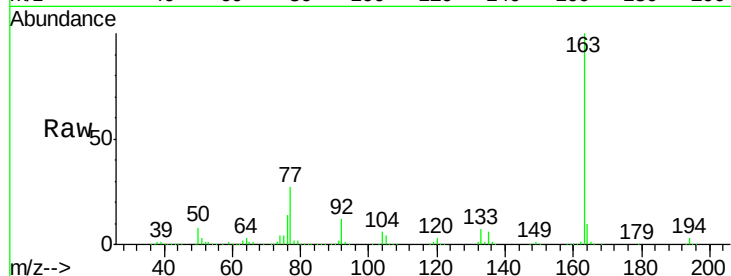




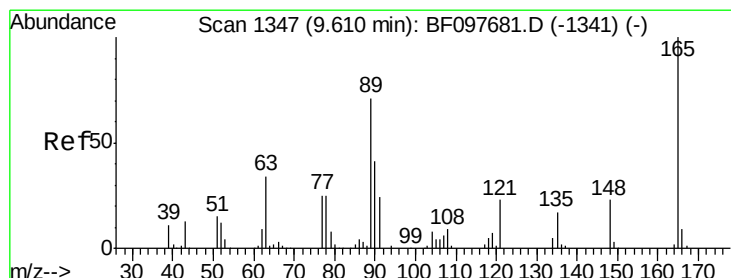
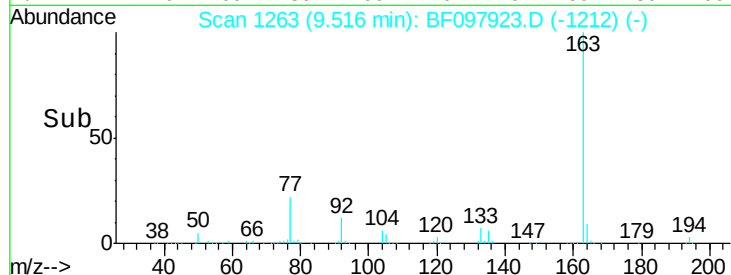
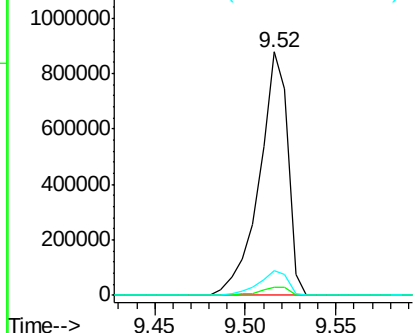
#49
Dimethylphthalate
Concen: 67.19 ng
RT: 9.52 min Scan# 1263
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

Tot Ion:163 Resp: 957814
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.1 8.4 12.6

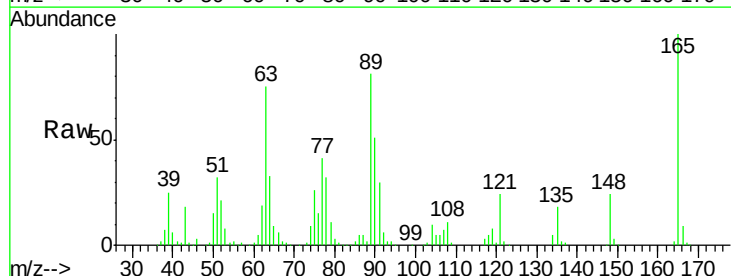


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

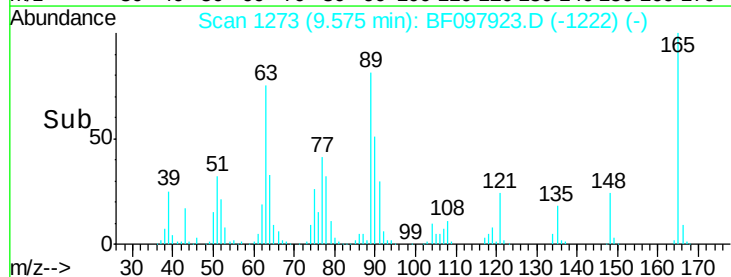
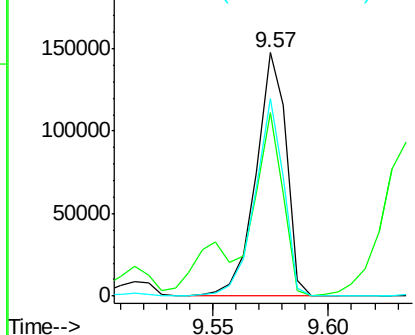


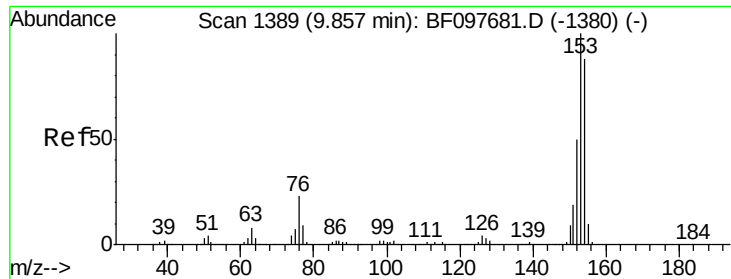
#50
2,6-Dinitrotoluene
Concen: 47.72 ng
RT: 9.57 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion:165 Resp: 135789
Ion Ratio Lower Upper
165 100
63 75.1 34.3 51.5#
89 81.3 37.1 55.7#



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





#51

Acenaphthene

Concen: 40.57 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MSD

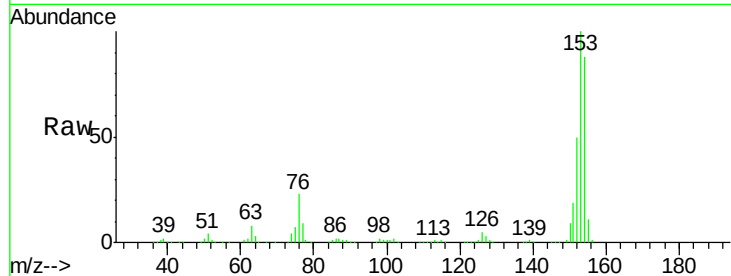
Tot Ion:154 Resp: 528002

Ion Ratio Lower Upper

154 100

153 113.6 90.5 135.7

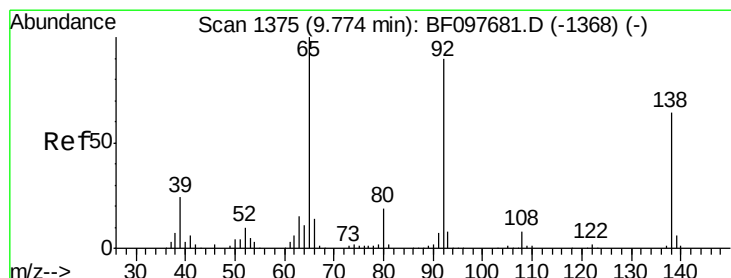
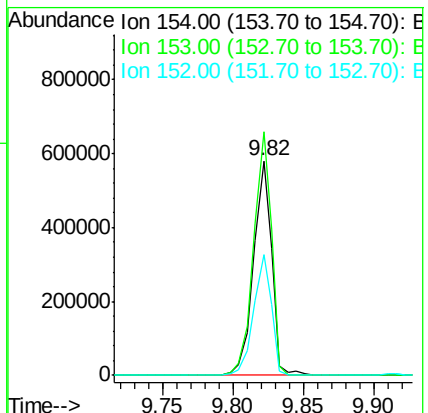
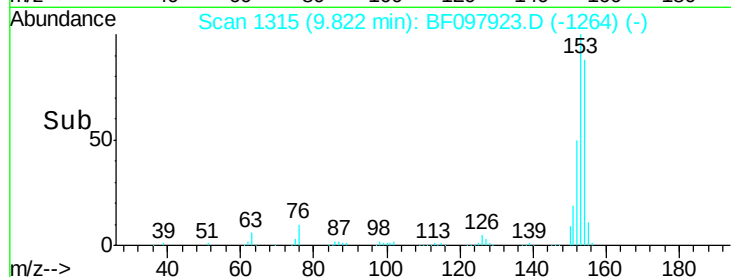
152 56.5 43.6 65.4



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: 45.81 ng

RT: 9.75 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

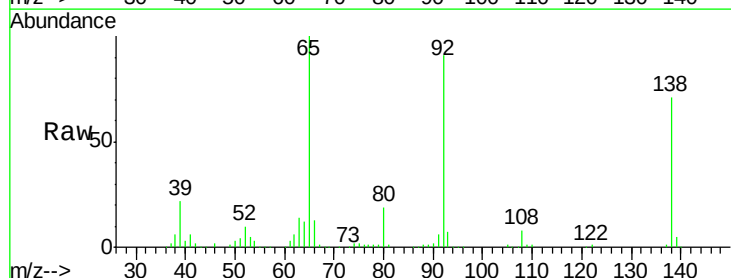
Tgt Ion:138 Resp: 168175

Ion Ratio Lower Upper

138 100

108 10.9 9.1 13.7

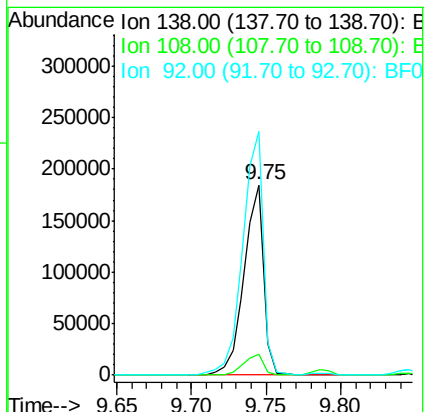
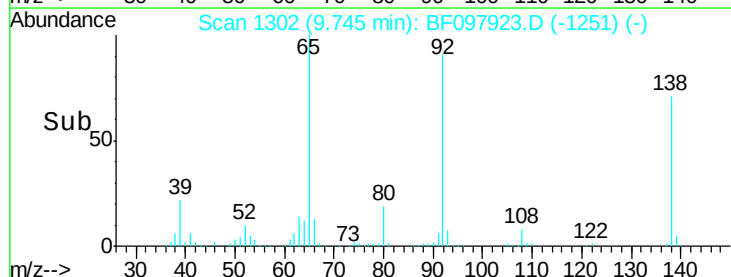
92 128.1 93.8 140.6

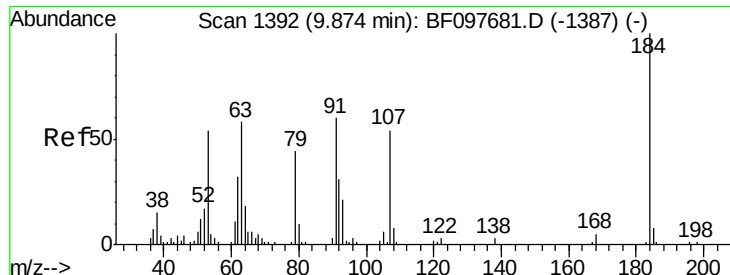


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

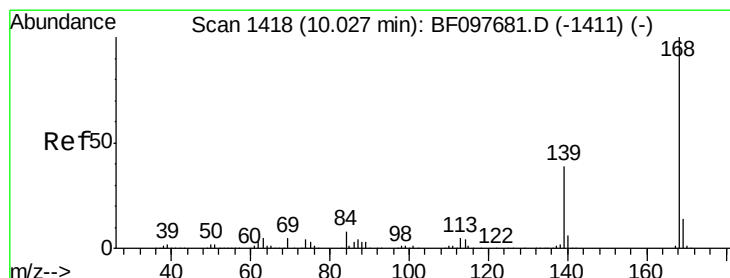
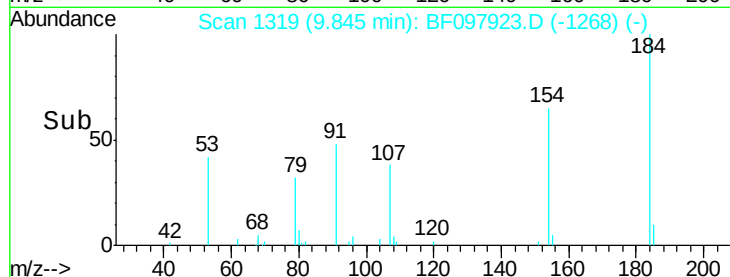
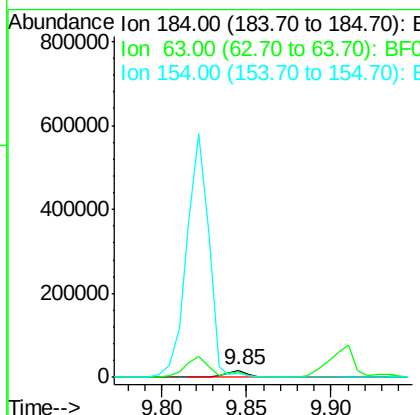
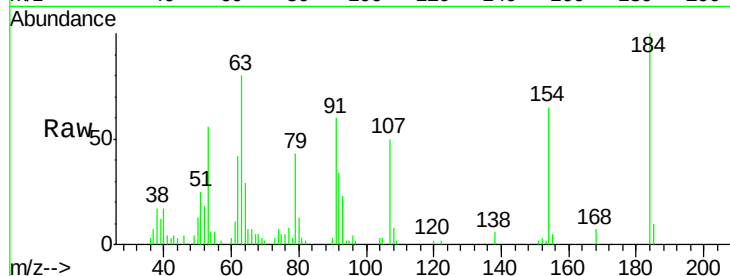




#53
 2,4-Dinitrophenol
 Concen: 19.68 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

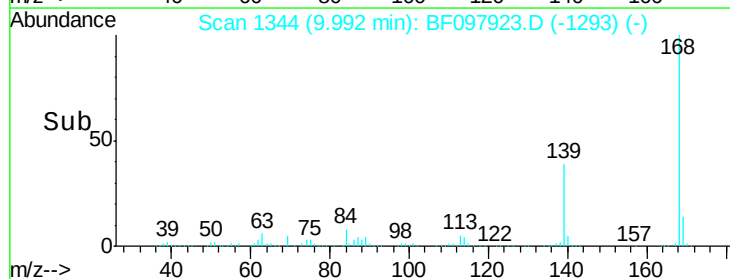
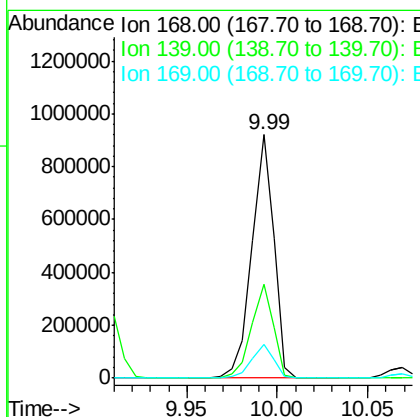
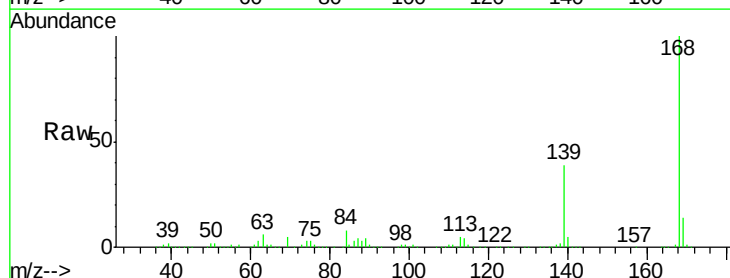
Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

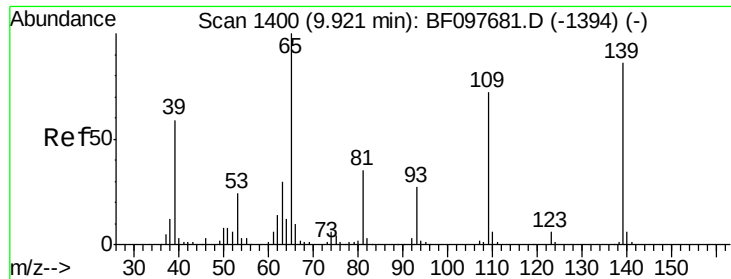
Tot Ion:184 Resp: 14790
 Ion Ratio Lower Upper
 184 100
 63 80.4 62.7 94.1
 154 65.0 81.1 121.7#



#54
 Dibenzofuran
 Concen: 44.45 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion:168 Resp: 775397
 Ion Ratio Lower Upper
 168 100
 139 38.7 30.6 45.8
 169 13.7 10.8 16.2

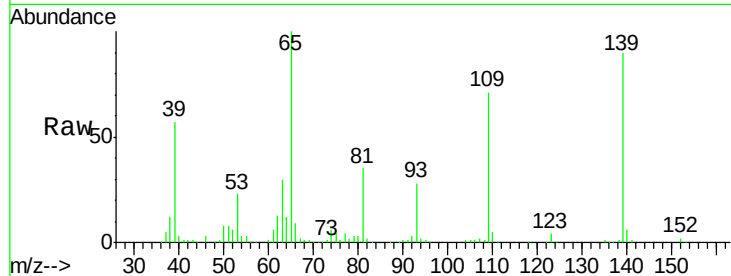




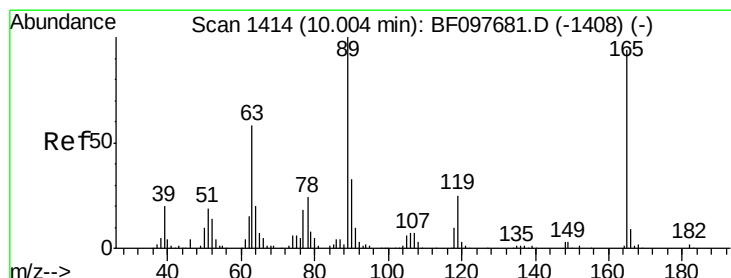
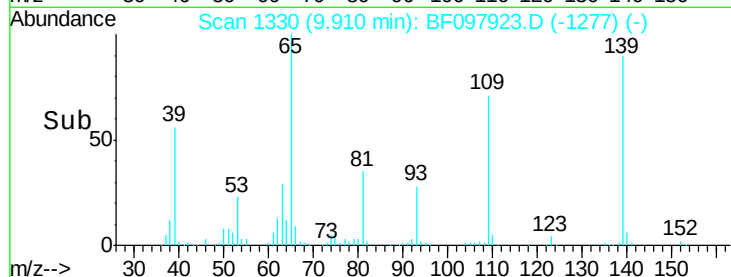
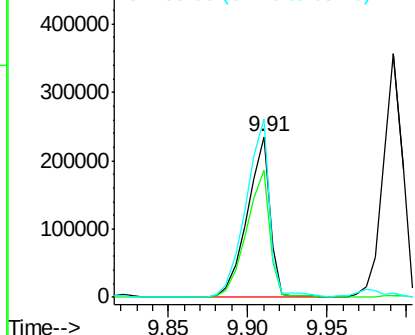
#55
4-Nitrophenol
Concen: 80.32 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.01 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

Tot Ion:139 Resp: 235226
Ion Ratio Lower Upper
139 100
109 79.3 34.1 74.1#
65 111.4 31.4 71.4#

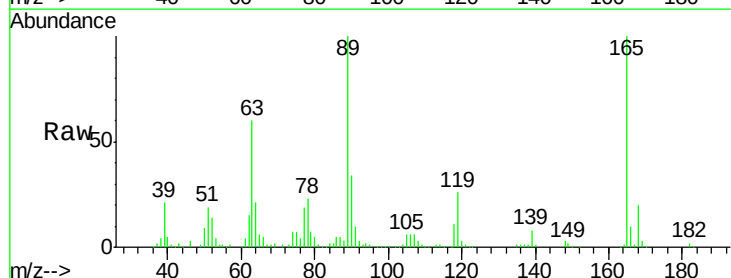


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

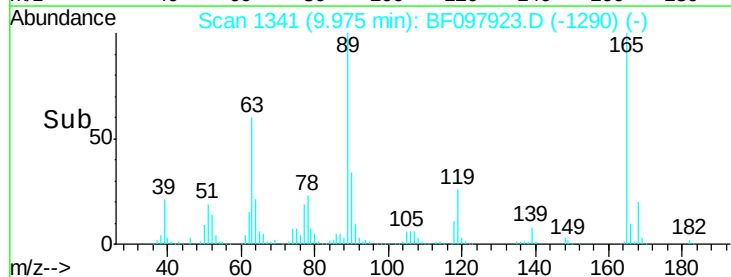
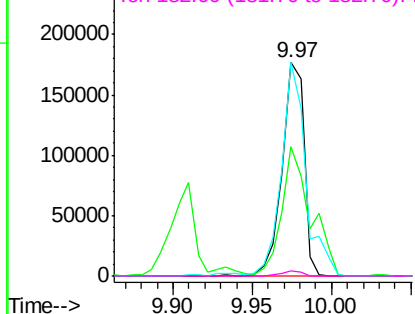


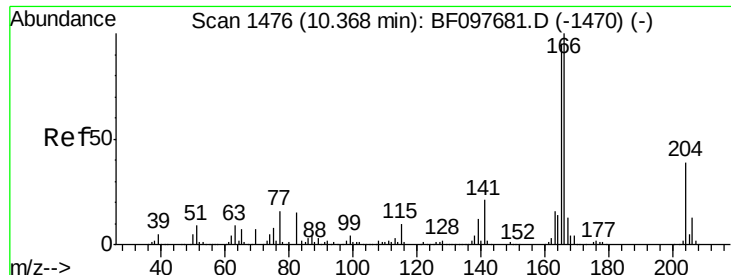
#56
2,4-Dinitrotoluene
Concen: 47.49 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion:165 Resp: 169588
Ion Ratio Lower Upper
165 100
63 60.5 25.4 38.0#
89 100.0 46.4 69.6#
182 2.3 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

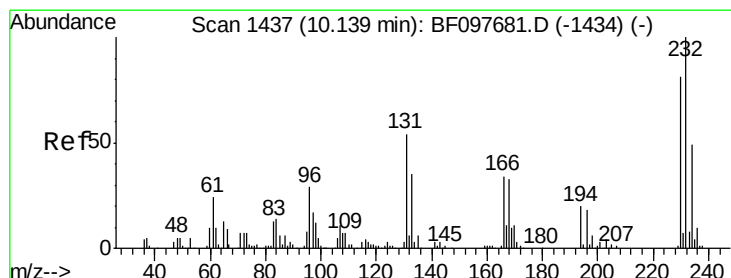
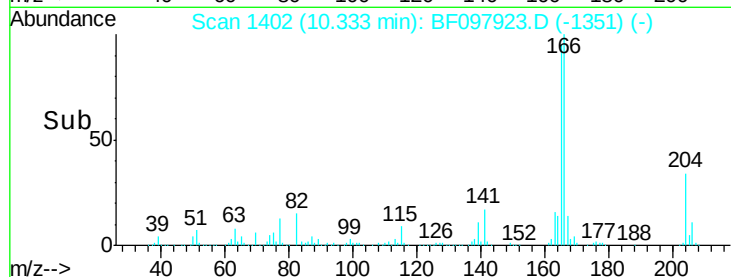
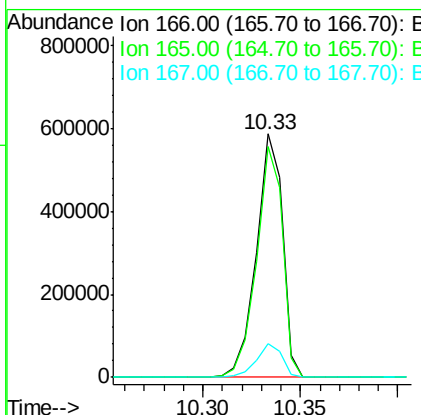
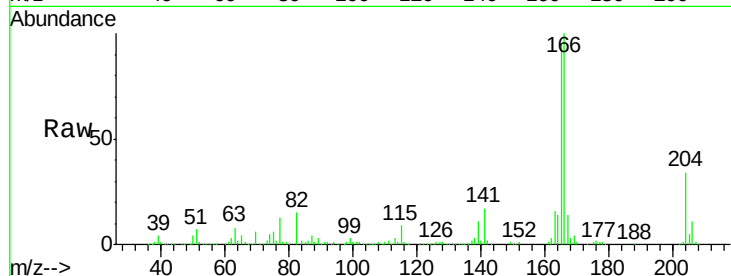




#57
Fluorene
 Concen: 40.55 ng
 RT: 10.33 min Scan# 1402
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

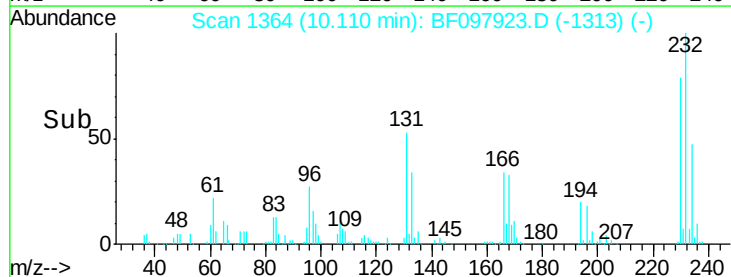
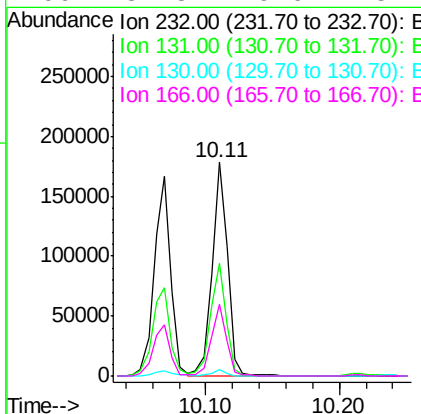
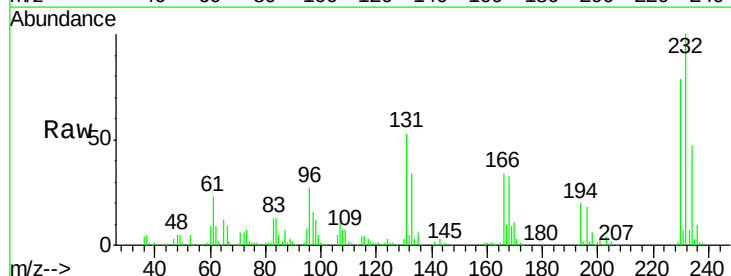
Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

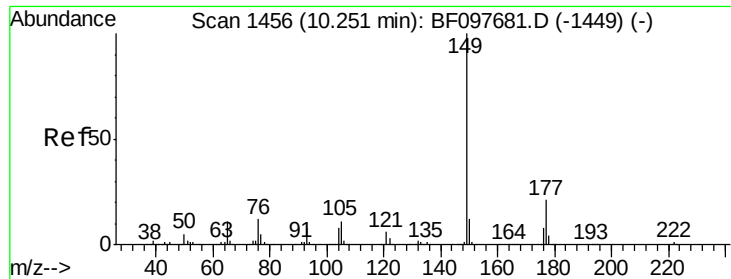
Tot Ion:166 Resp: 546841
 Ion Ratio Lower Upper
 166 100
 165 94.7 78.8 118.2
 167 13.9 10.6 16.0



#58
2,3,4,6-Tetrachlorophenol
 Concen: 47.35 ng
 RT: 10.11 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion:232 Resp: 146141
 Ion Ratio Lower Upper
 232 100
 131 53.3 44.8 67.2
 130 2.8 2.3 3.5
 166 32.8 29.0 43.4

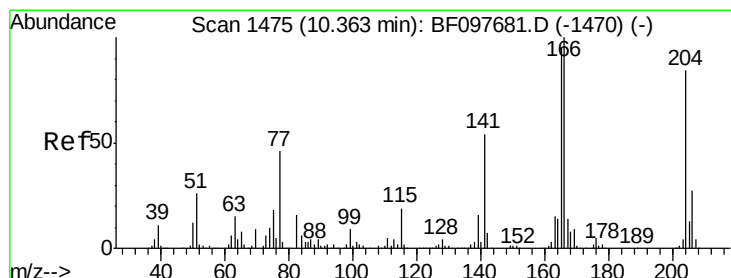
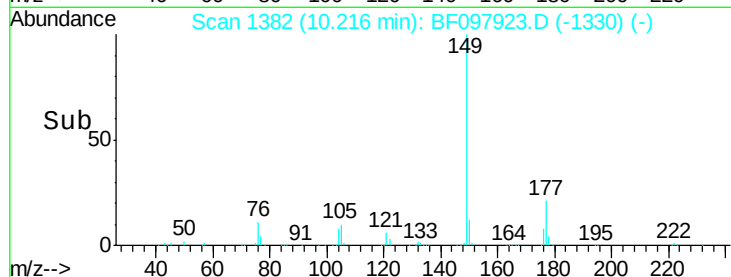
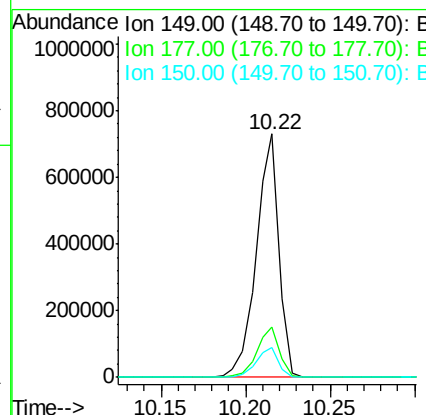
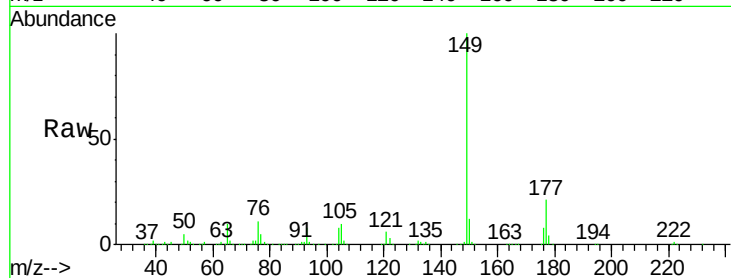




#59
Diethylphthalate
Concen: 45.72 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.01 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

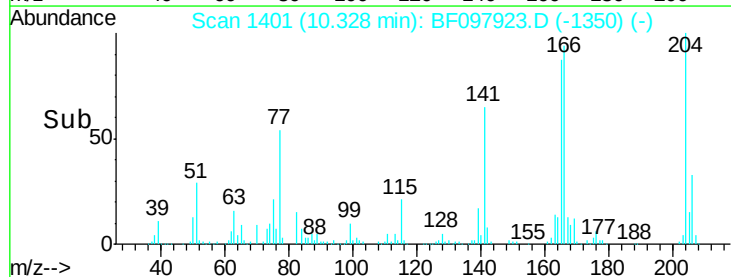
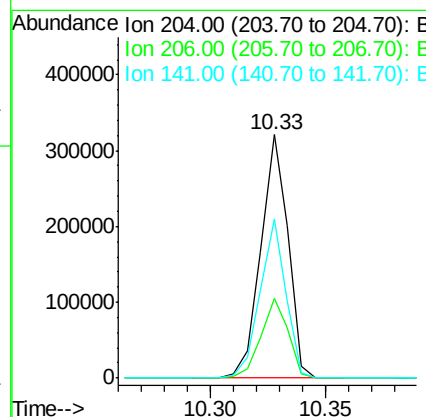
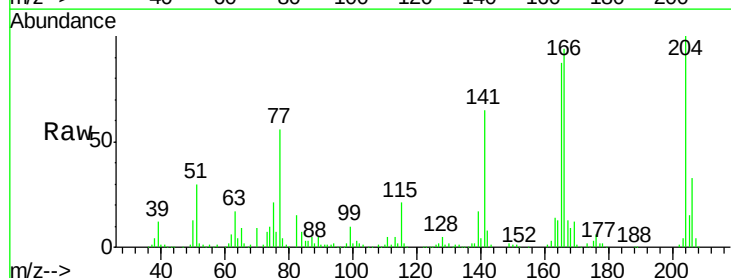
Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

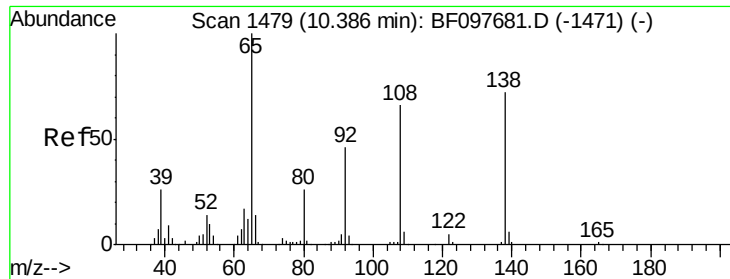
Tot Ion:149 Resp: 681659
Ion Ratio Lower Upper
149 100
177 20.7 16.7 25.1
150 12.3 10.2 15.2



#60
4-Chlorophenyl-phenylether
Concen: 42.03 ng
RT: 10.33 min Scan# 1401
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion:204 Resp: 263328
Ion Ratio Lower Upper
204 100
206 33.0 26.2 39.2
141 65.3 60.8 91.2

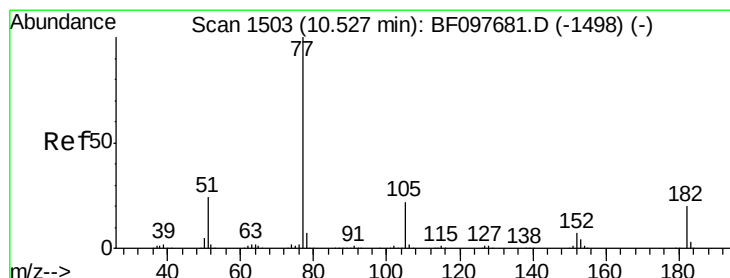
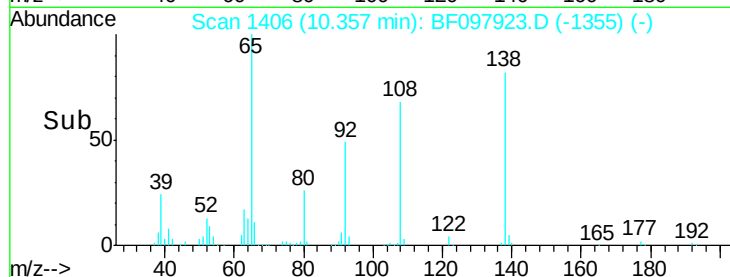
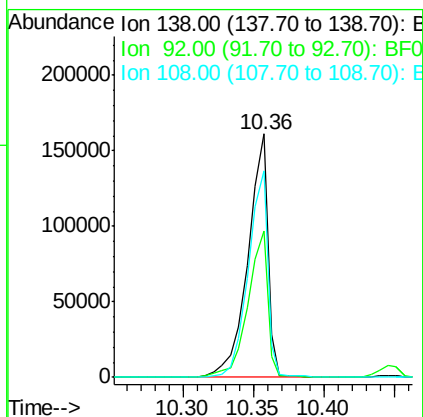
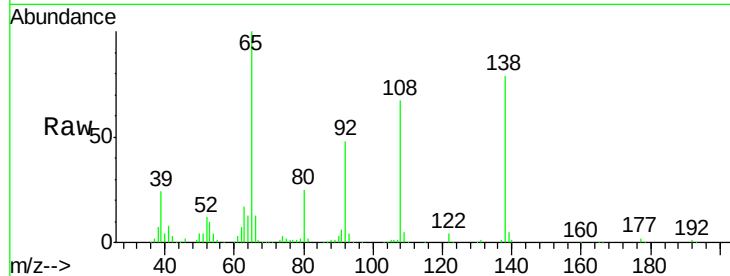




#61
4-Nitroaniline
Concen: 46.14 ng
RT: 10.36 min Scan# 1406
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

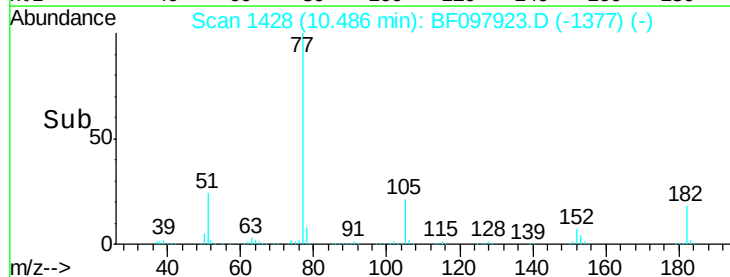
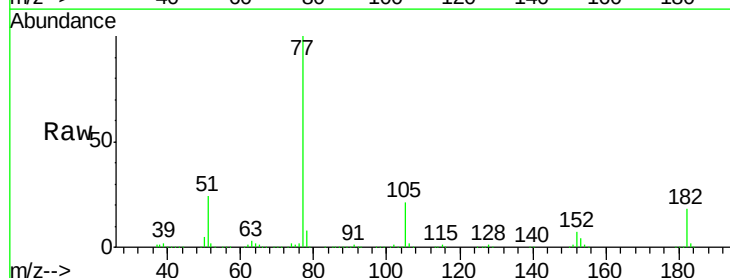
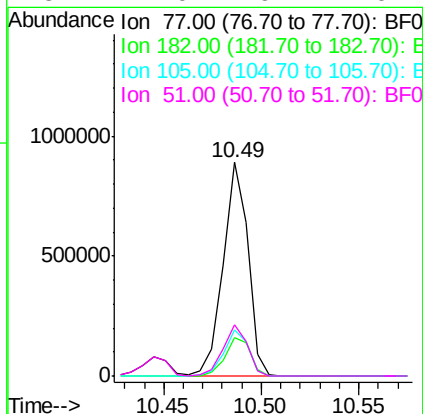
Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

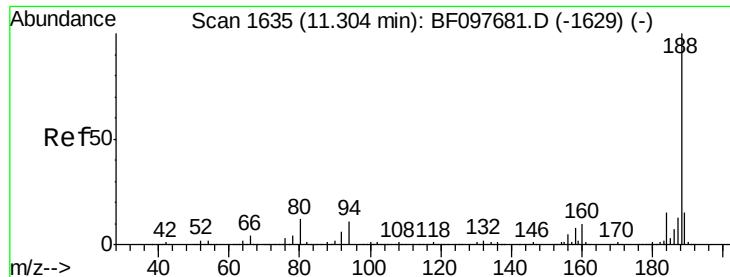
Tot Ion:138 Resp: 161019
Ion Ratio Lower Upper
138 100
92 60.0 21.8 61.8
108 84.6 42.3 82.3#



#62
Azobenzene
Concen: 44.07 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion: 77 Resp: 780476
Ion Ratio Lower Upper
77 100
182 17.8 0.1 40.1
105 21.4 3.6 43.6
51 24.0 9.4 49.4

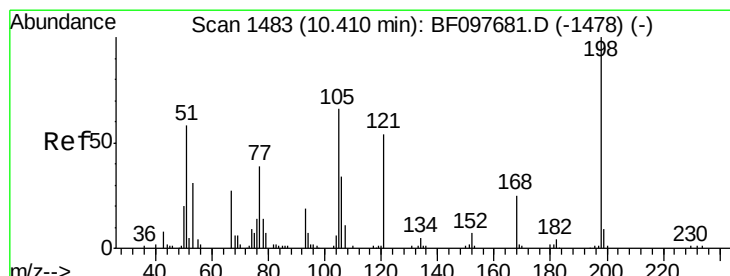
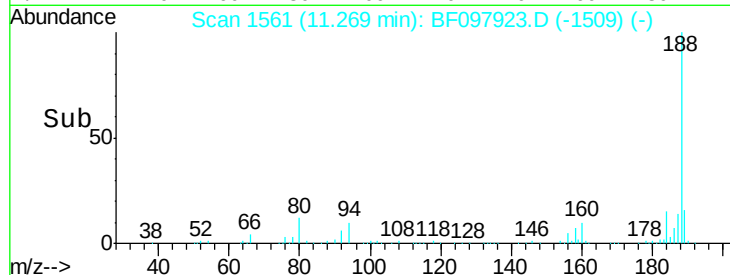
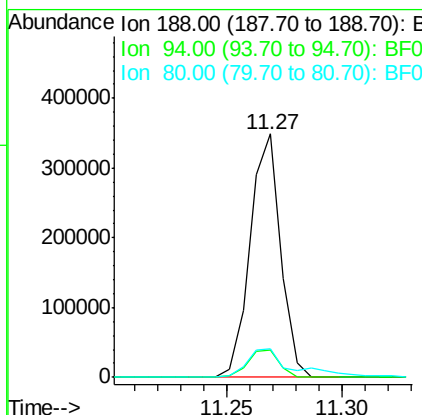
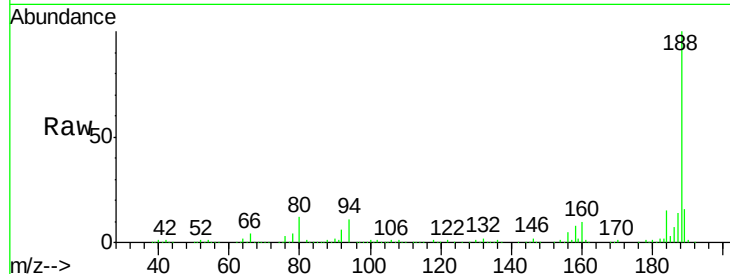




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. 0.01 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

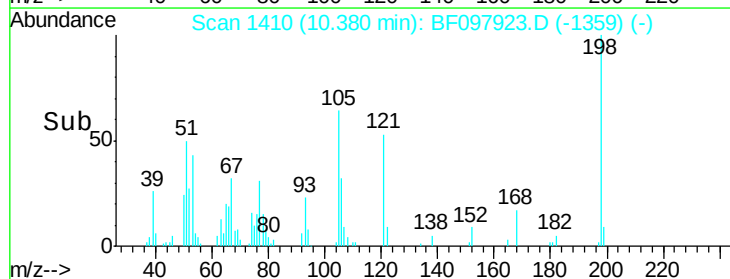
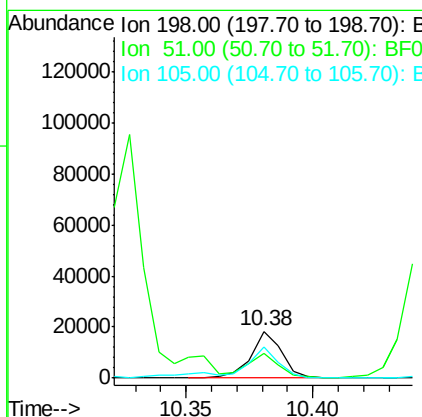
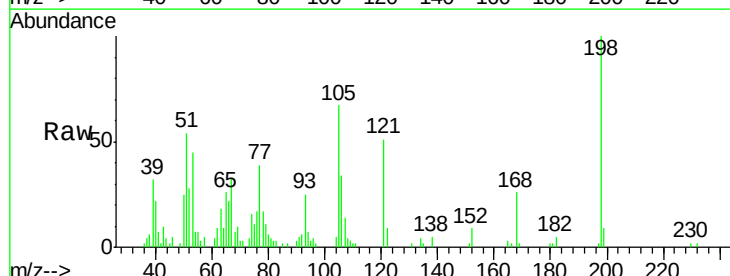
Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

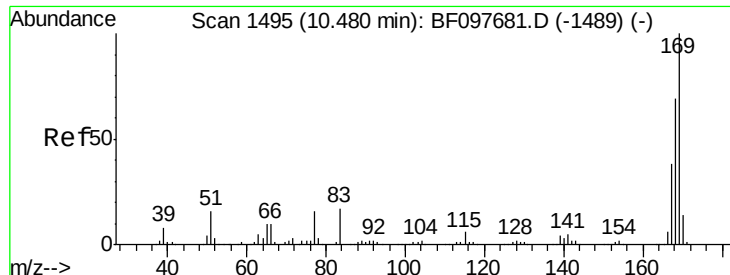
Tot Ion	188	Ratio	Lower	Upper
188	100			
94	11.1	9.4	14.2	
80	11.9	10.2	15.2	



#64
 4,6-Dinitro-2-methylphenol
 Concen: 16.77 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion	198	Ratio	Lower	Upper
198	100			
51	54.2	53.2	93.2	
105	67.1	45.8	85.8	

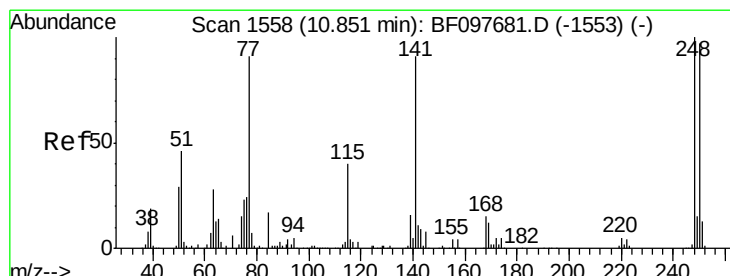
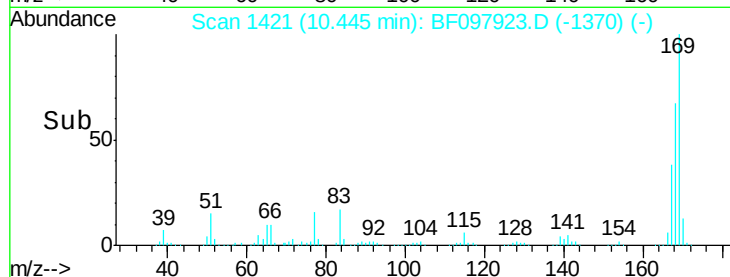
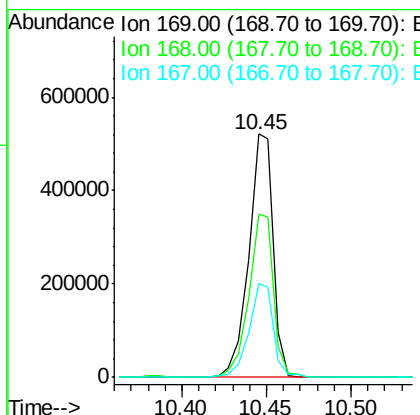
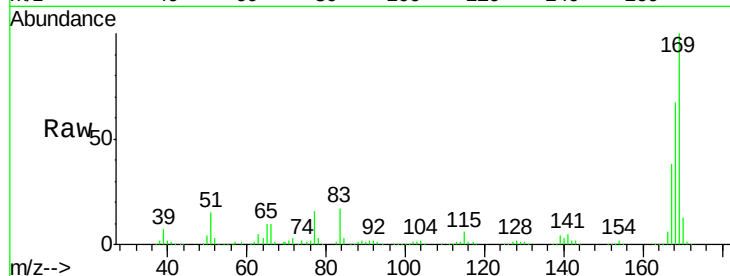




#65
 n-Nitrosodiphenylamine
 Concen: 47.78 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

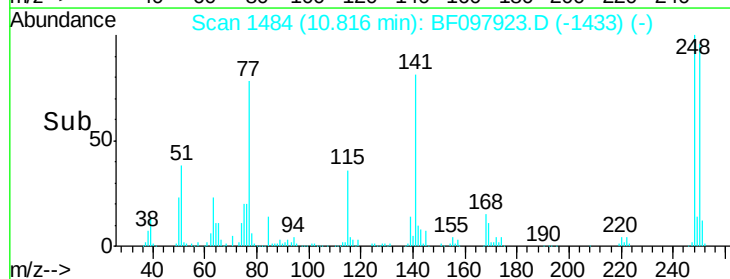
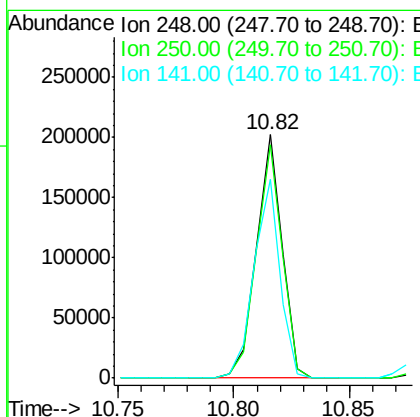
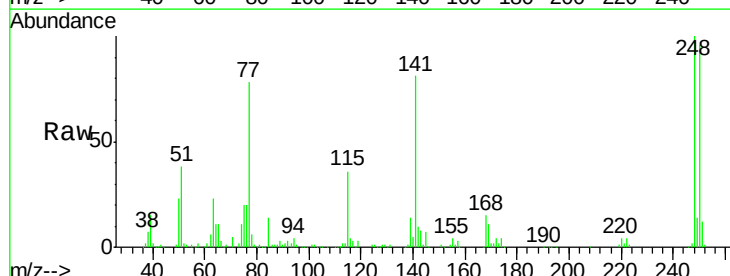
Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

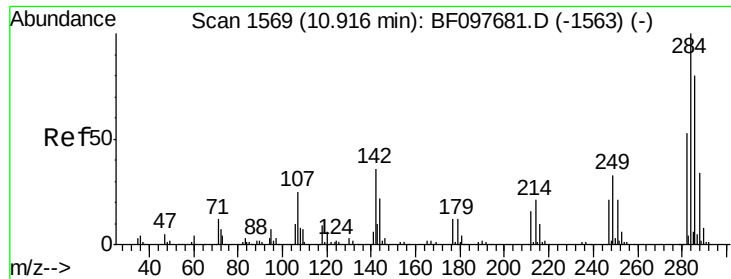
Tot Ion:169 Resp: 524860
 Ion Ratio Lower Upper
 169 100
 168 66.7 53.2 79.8
 167 38.3 29.5 44.3



#66
 4-Bromophenyl-phenylether
 Concen: 47.26 ng
 RT: 10.82 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion:248 Resp: 158317
 Ion Ratio Lower Upper
 248 100
 250 95.8 76.8 115.2
 141 81.5 68.6 103.0

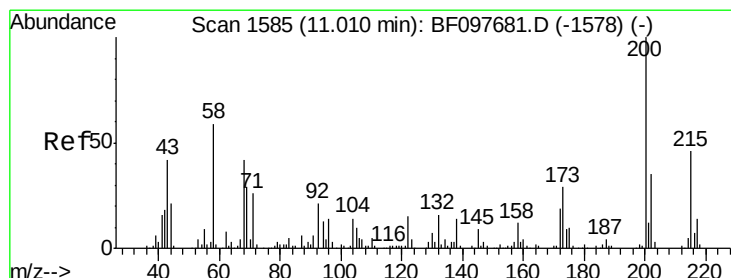
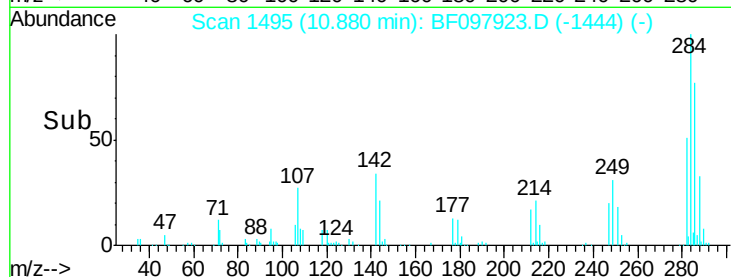
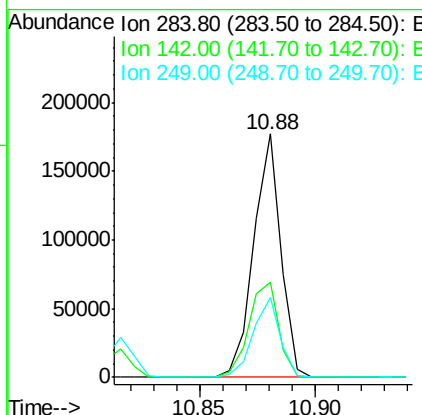
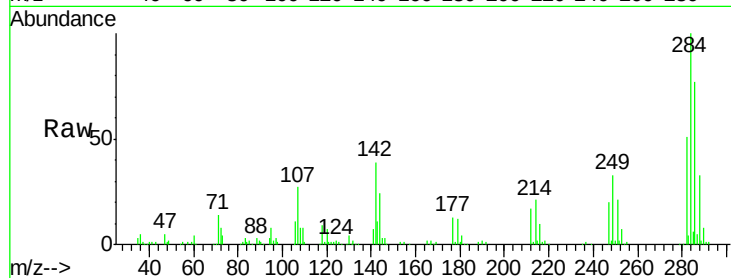




#67
Hexachlorobenzene
Concen: 42.70 ng
RT: 10.88 min Scan# 1495
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

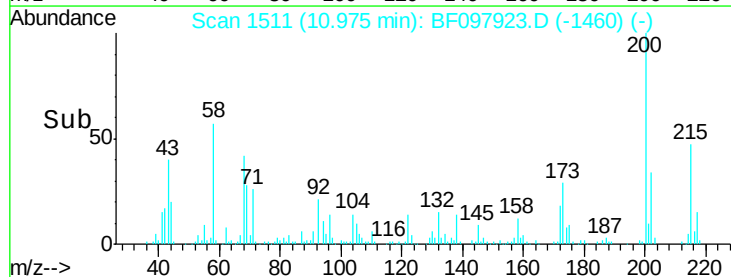
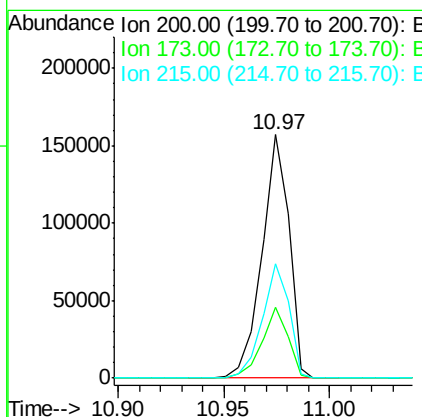
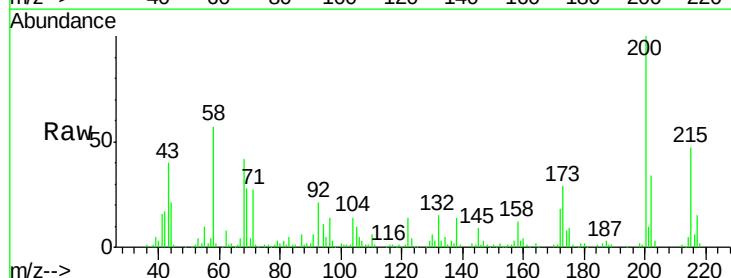
Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

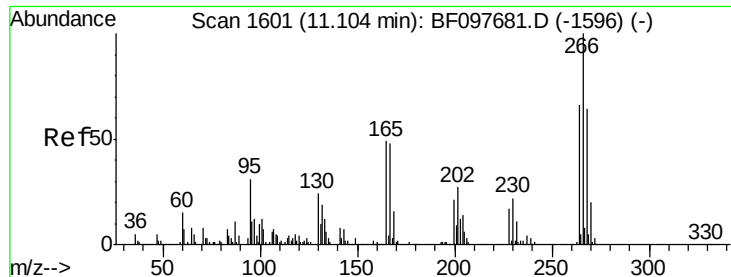
Tot Ion	Ratio	Lower	Upper
284	100		
142	39.2	22.8	34.2
249	32.6	24.0	36.0



#68
Atrazine
Concen: 48.14 ng
RT: 10.97 min Scan# 1511
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Lower	Upper
200	100		
173	28.9	6.3	46.3
215	46.8	27.2	67.2

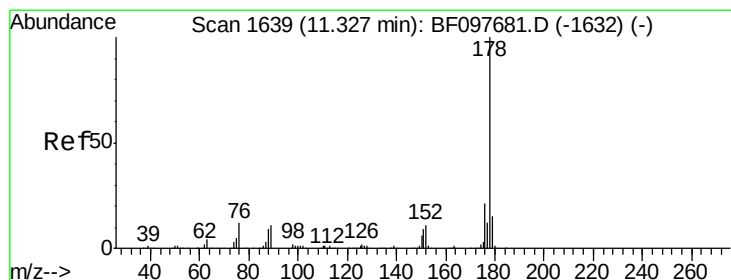
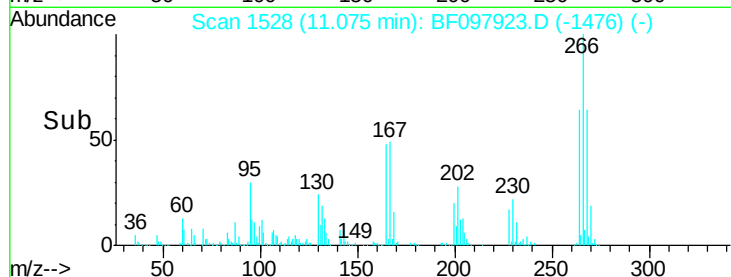
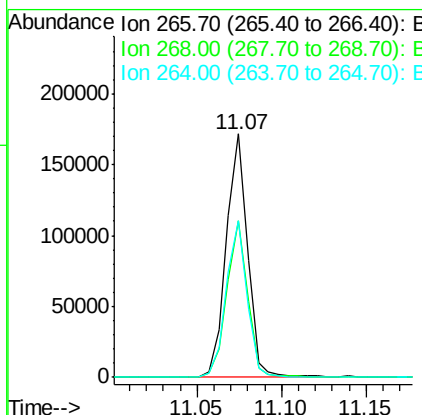
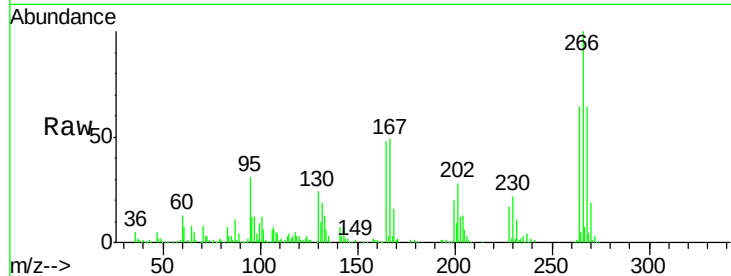




#69
 Pentachlorophenol
 Concen: 75.78 ng
 RT: 11.07 min Scan# 1528
 Delta R.T. 0.01 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

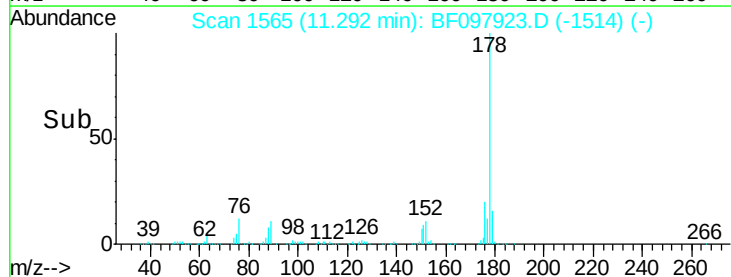
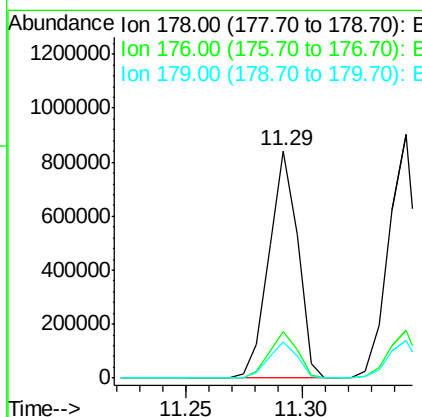
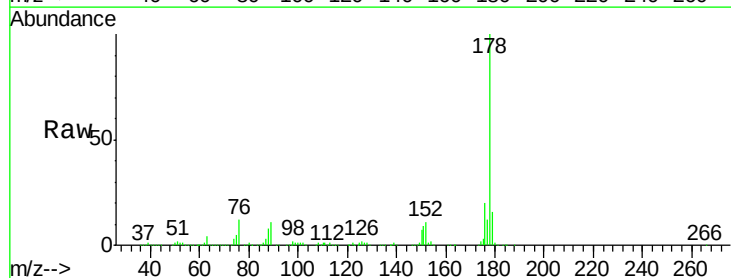
Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

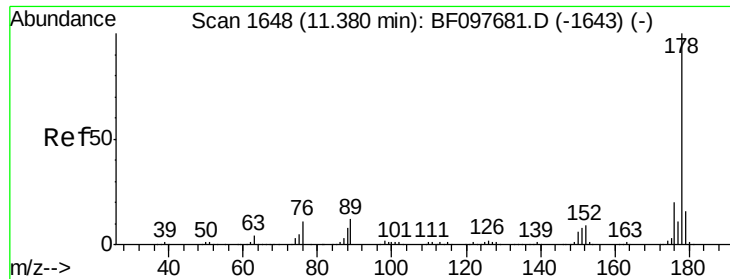
Tot Ion	Ratio	Lower	Upper
266	100		
268	64.1	51.1	76.7
264	64.3	51.7	77.5



#70
 Phenanthrene
 Concen: 42.51 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.2	24.4
179	15.9	12.6	19.0

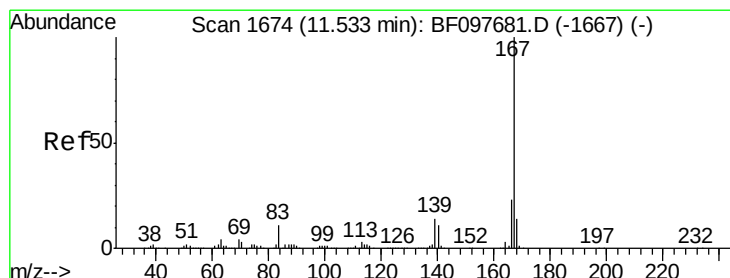
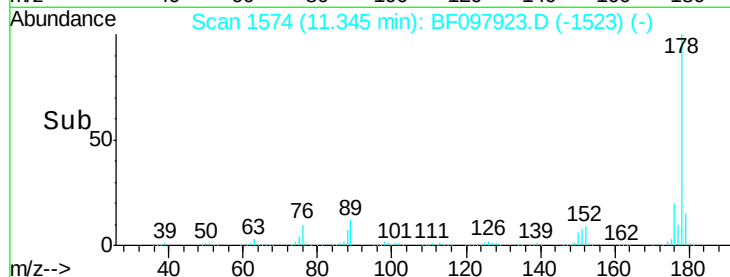
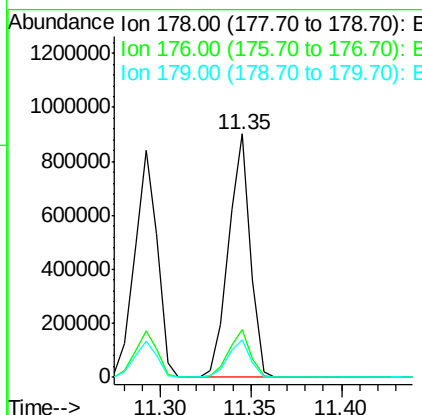
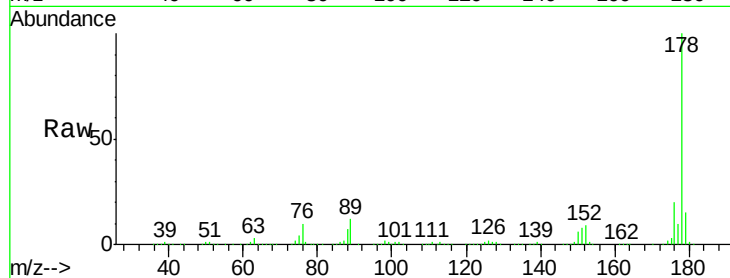




#71
 Anthracene
 Concen: 43.32 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

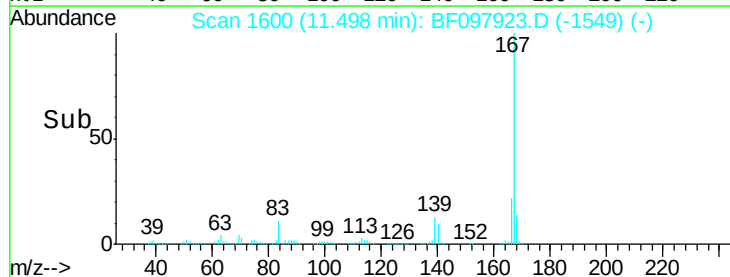
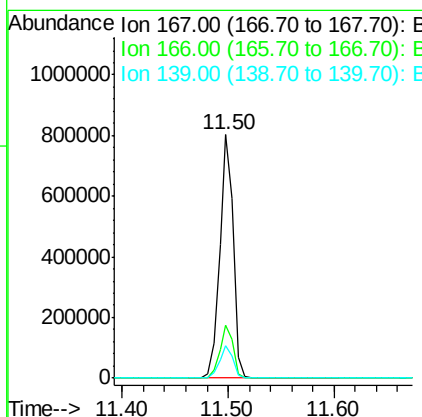
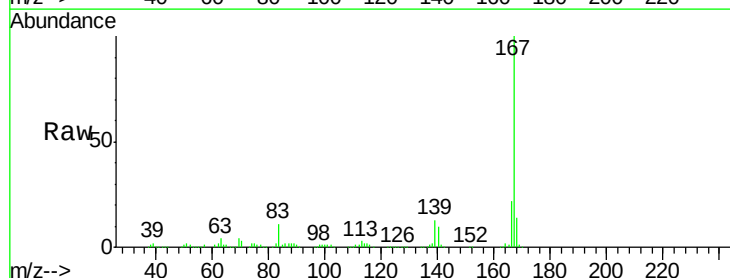
Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

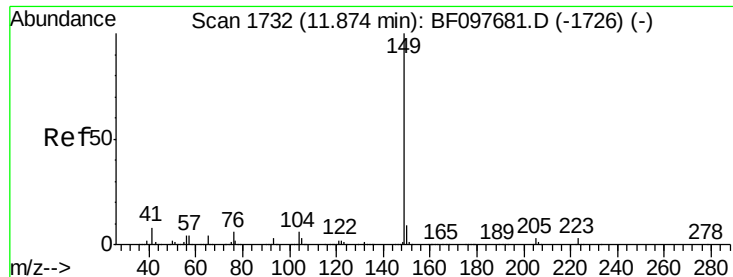
Tot Ion:178 Resp: 755282
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.8
 179 15.4 12.7 19.1



#72
 Carbazole
 Concen: 43.71 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion:167 Resp: 723358
 Ion Ratio Lower Upper
 167 100
 166 21.9 18.1 27.1
 139 13.5 11.7 17.5





#73

Di-n-butylphthalate

Concen: 49.12 ng

RT: 11.83 min Scan# 1657

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MSD

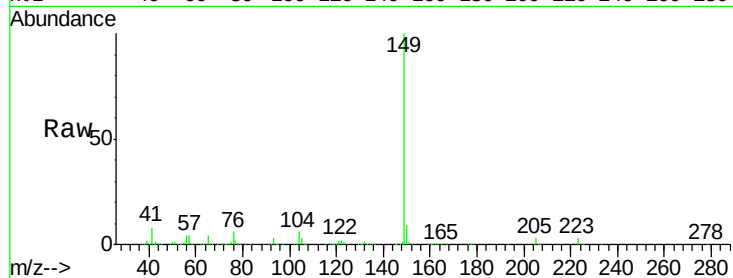
Tot Ion:149 Resp: 936346

Ion Ratio Lower Upper

149 100

150 9.4 7.7 11.5

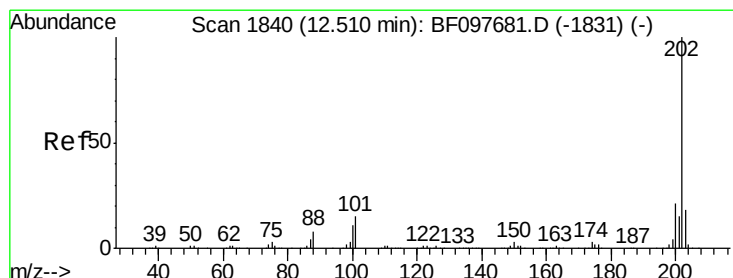
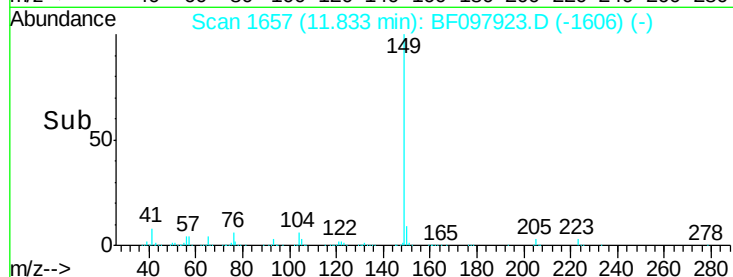
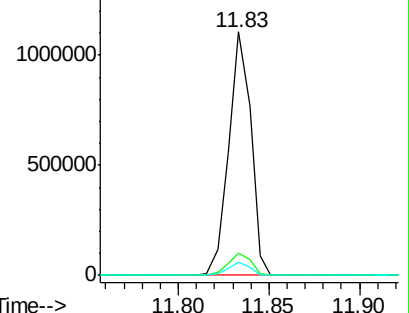
104 5.5 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 40.39 ng

RT: 12.47 min Scan# 1766

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

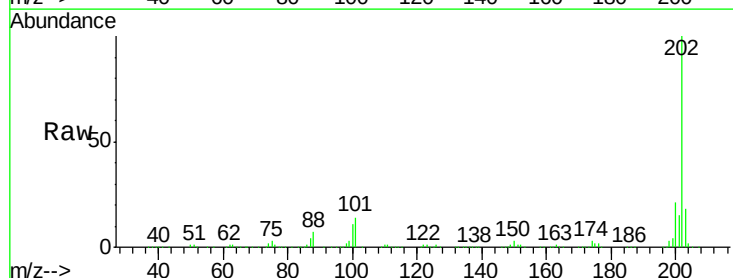
Tgt Ion:202 Resp: 724636

Ion Ratio Lower Upper

202 100

101 14.2 0.0 33.2

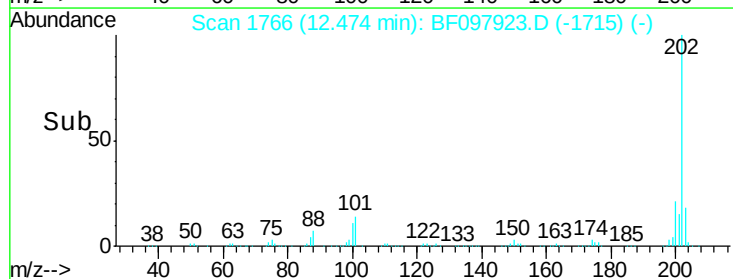
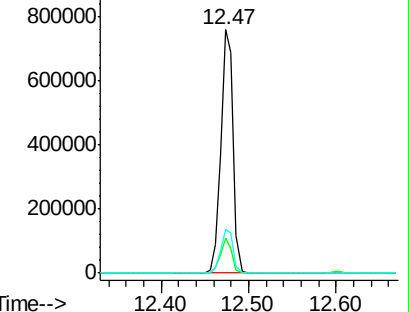
203 18.1 0.0 38.1

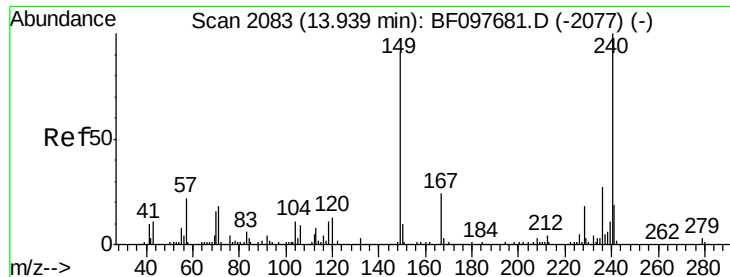


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.90 min Scan# 2009

Delta R.T. 0.01 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MSD

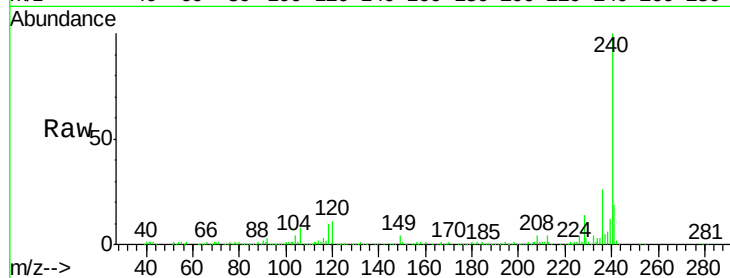
Tot Ion:240 Resp: 239297

Ion Ratio Lower Upper

240 100

120 10.8 5.8 8.8#

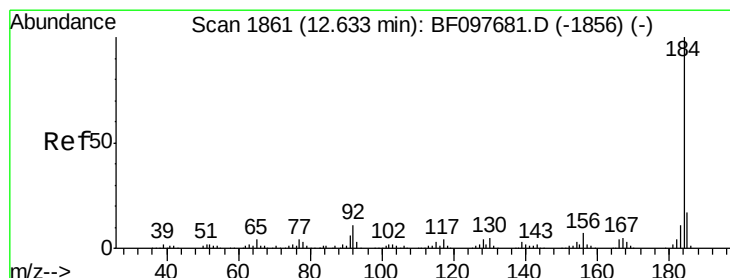
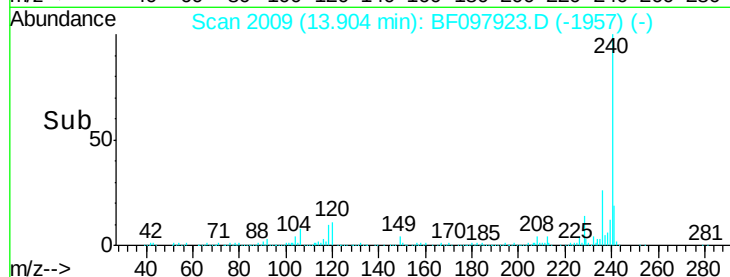
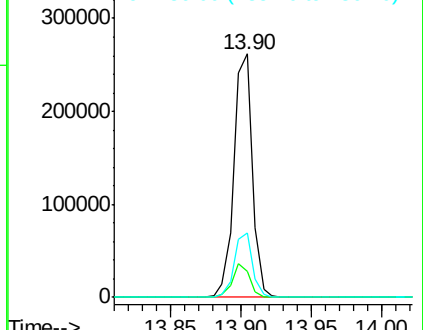
236 26.5 20.5 30.7



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: 82.72 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

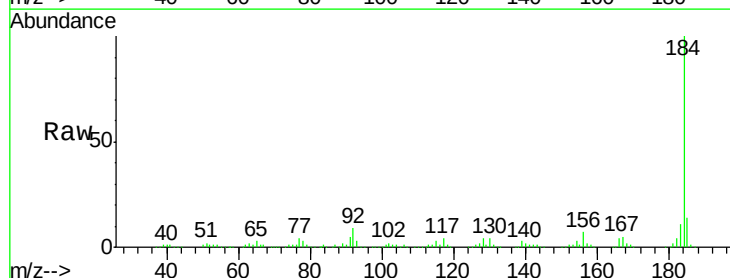
Tgt Ion:184 Resp: 649060

Ion Ratio Lower Upper

184 100

185 14.3 15.5 23.3#

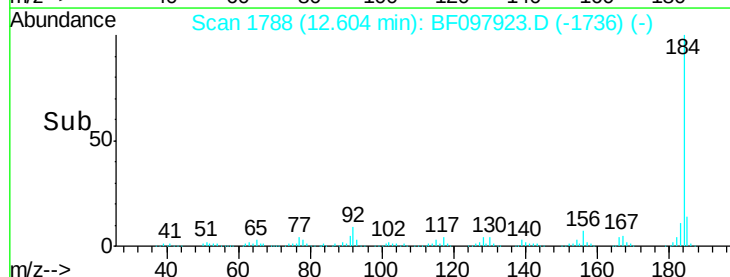
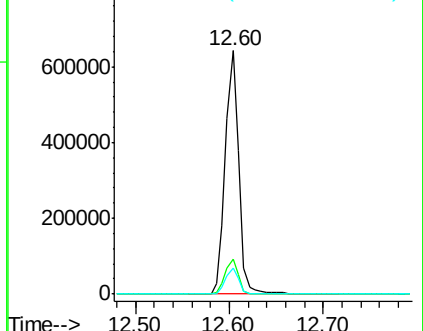
183 10.9 9.8 14.6

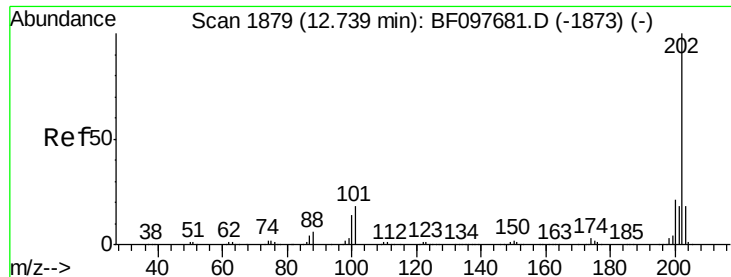


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

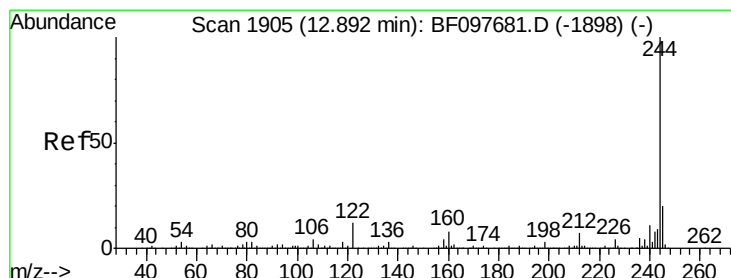
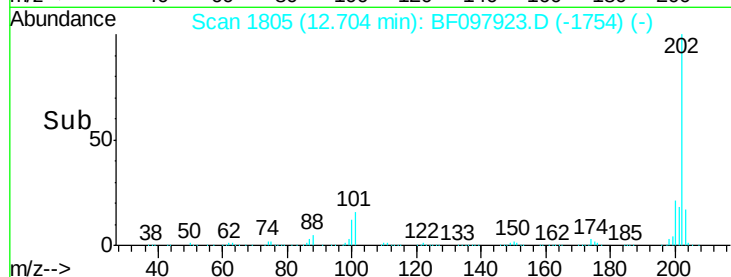
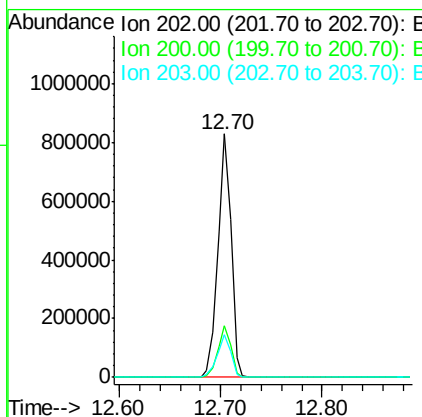
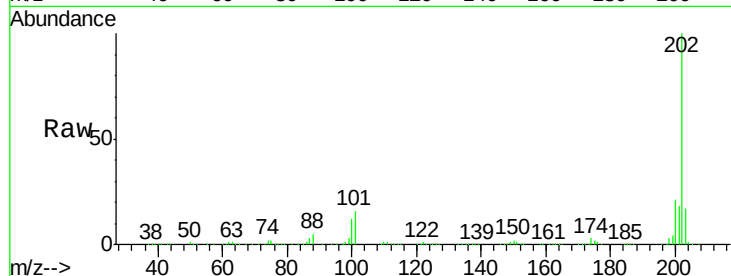




#77
 Pvrene
 Concen: 38.26 ng
 RT: 12.70 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

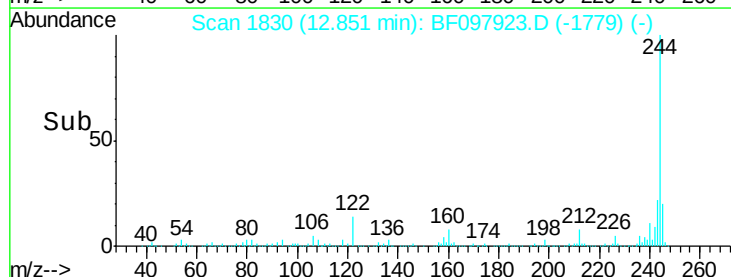
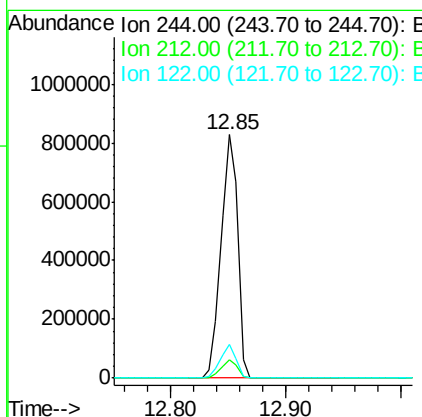
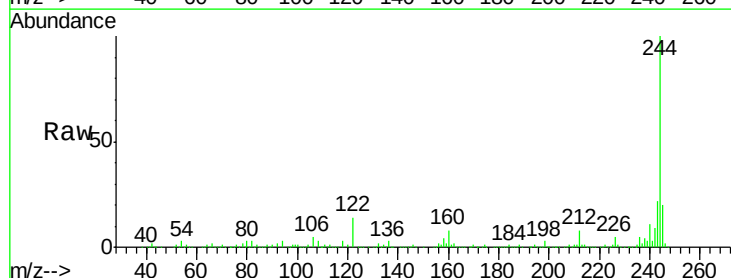
Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

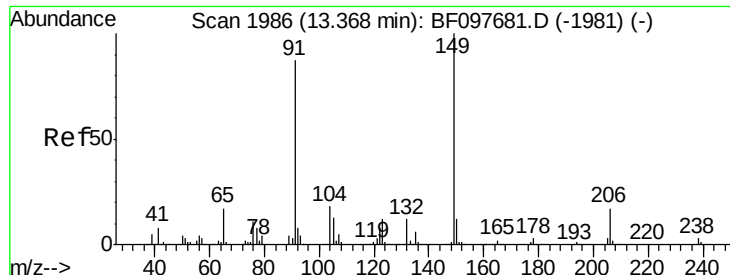
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.6	26.4
203	17.5	14.4	21.6



#78
 Terphenyl-d14
 Concen: 72.06 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.0	9.0
122	13.9	10.3	15.5

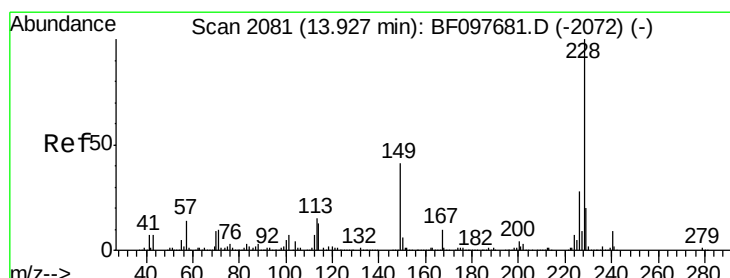
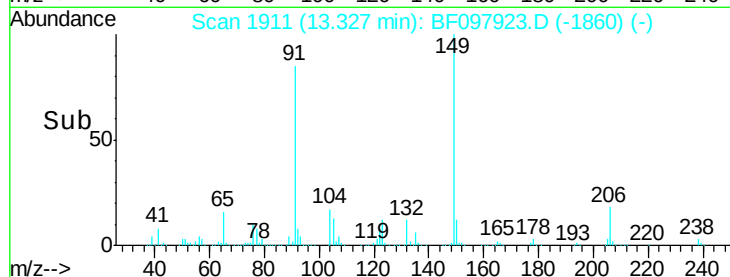
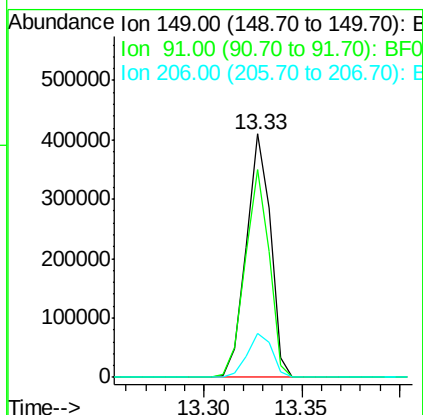
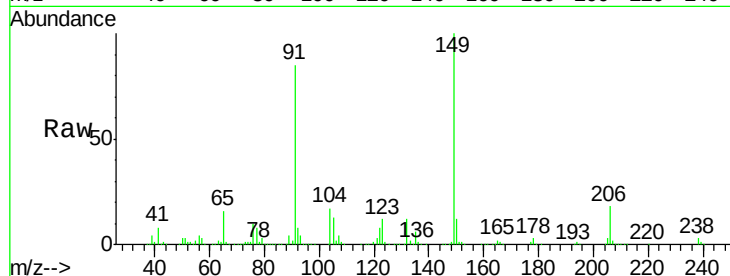




#79
Butylbenzylphthalate
Concen: 47.17 ng
RT: 13.33 min Scan# 1911
Delta R.T. 0.00 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

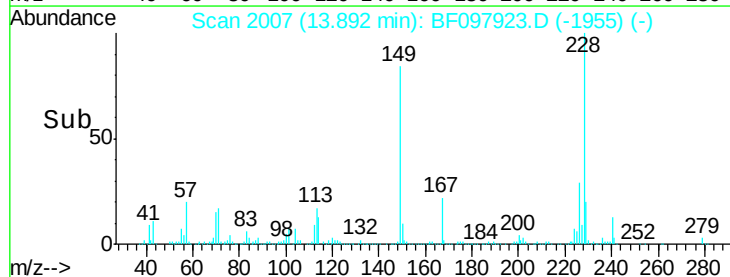
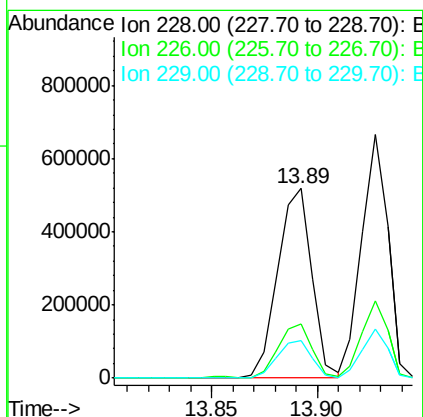
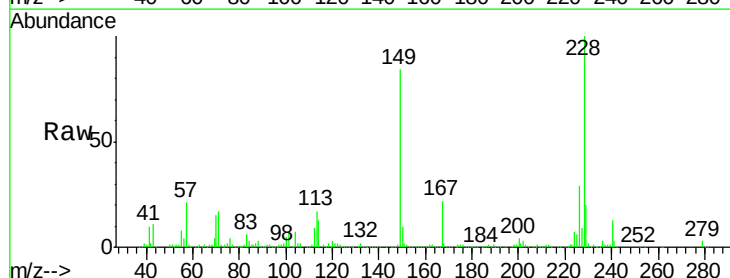
Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

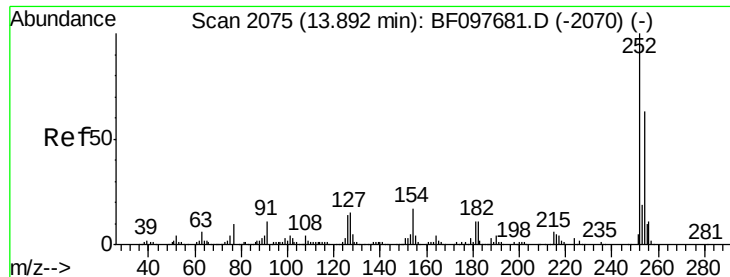
Tot Ion:149 Resp: 353968
Ion Ratio Lower Upper
149 100
91 85.2 45.0 67.4#
206 18.1 17.0 25.6



#80
Benzo(a)anthracene
Concen: 40.66 ng
RT: 13.89 min Scan# 2007
Delta R.T. 0.01 min
Lab File: BF097923.D
Acq: 21 Aug 2017 23:34

Tgt Ion:228 Resp: 583191
Ion Ratio Lower Upper
228 100
226 28.9 22.6 33.8
229 19.6 16.3 24.5





#81

3,3'-Dichlorobenzidine

Concen: 50.20 ng

RT: 13.86 min Scan# 2001

Delta R.T. 0.01 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MSD

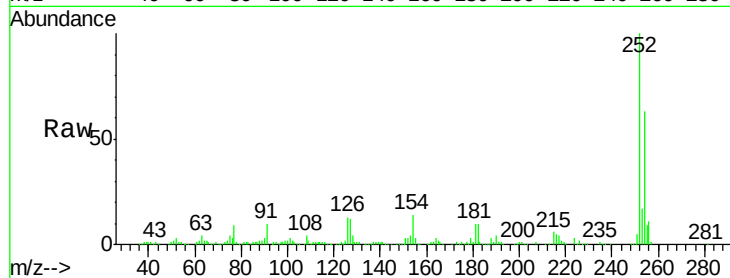
Tot Ion:252 Resp: 242969

Ion Ratio Lower Upper

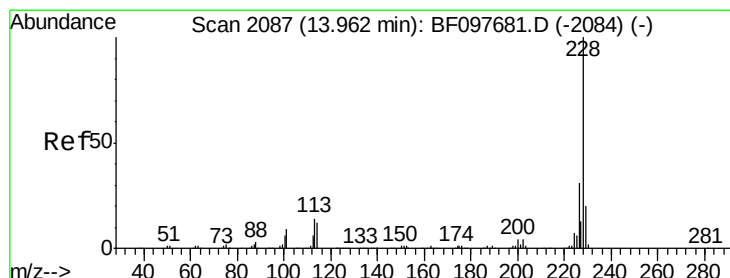
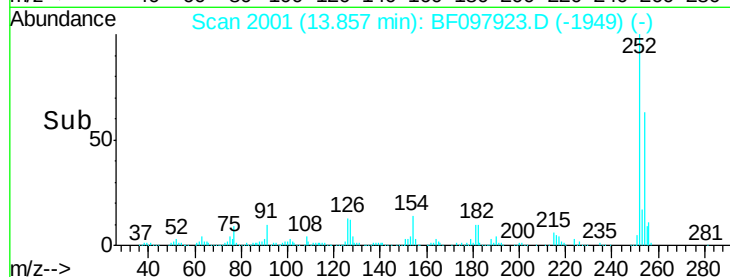
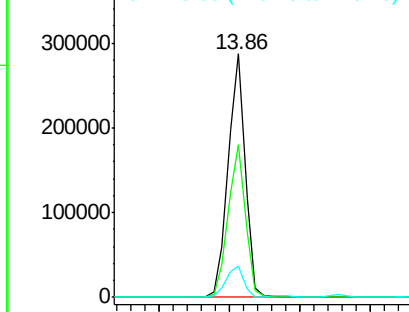
252 100

254 62.7 51.5 77.3

126 12.9 15.8 23.8#



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



#82

Chrysene

Concen: 40.60 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

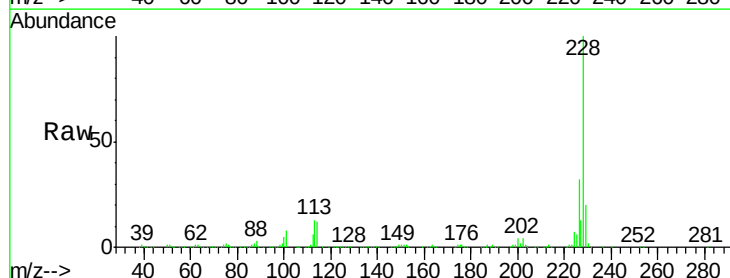
Tgt Ion:228 Resp: 579242

Ion Ratio Lower Upper

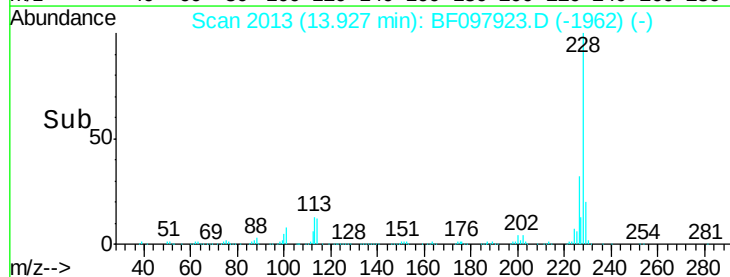
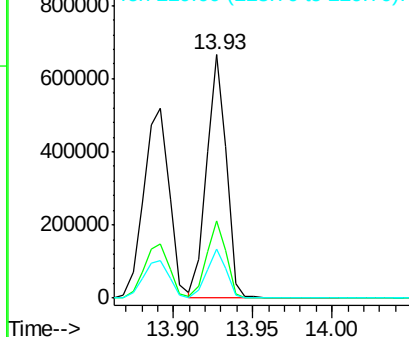
228 100

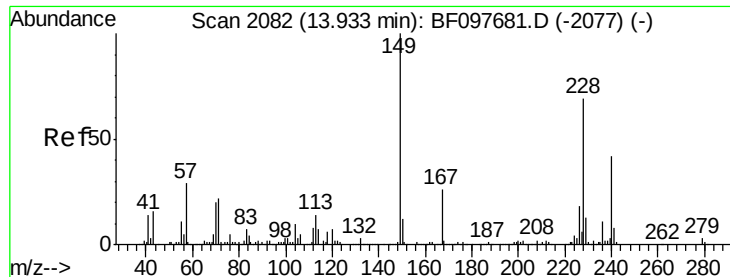
226 31.8 24.9 37.3

229 20.0 15.8 23.6



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

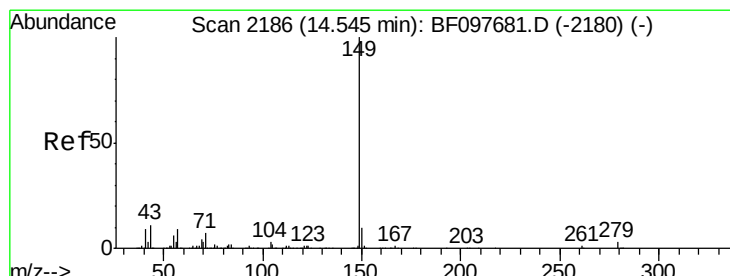
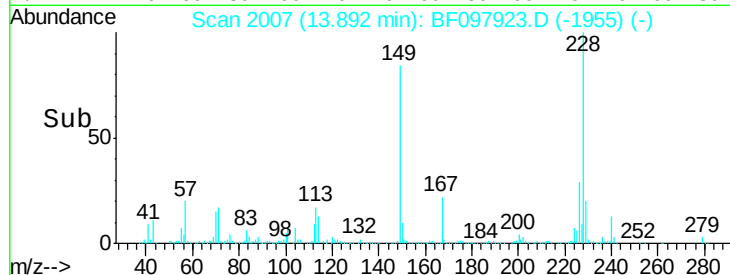
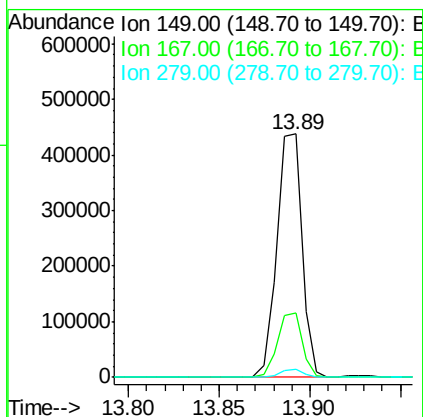
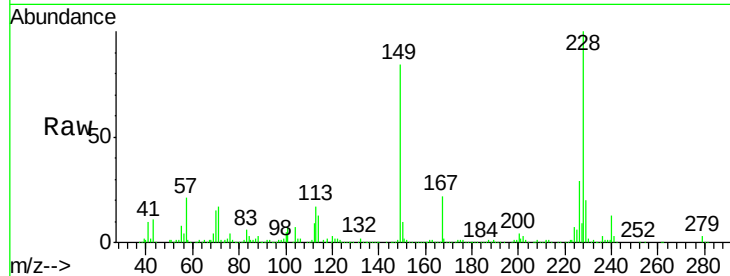




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 51.05 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. 0.01 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

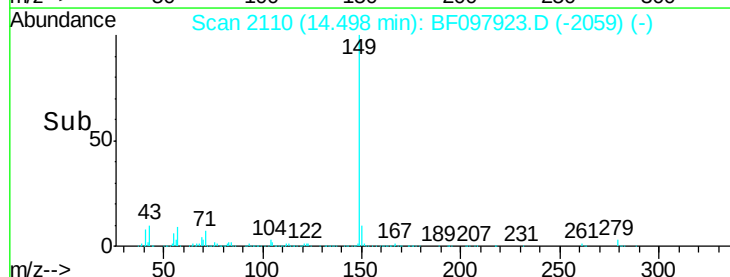
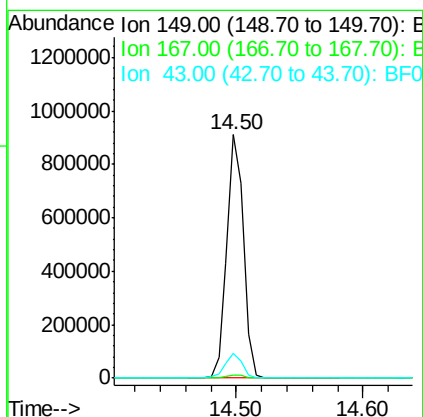
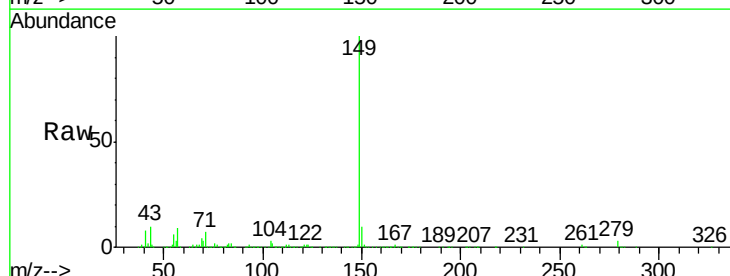
Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

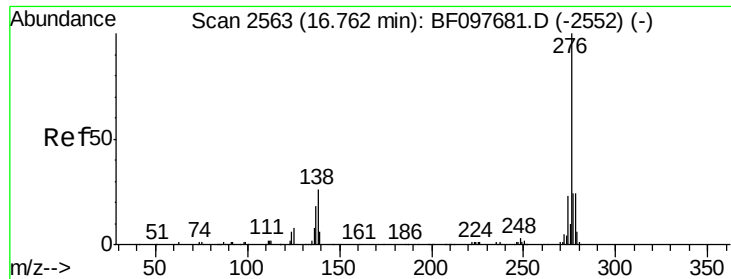
Tot Ion:149 Resp: 424467
 Ion Ratio Lower Upper
 149 100
 167 26.3 21.0 31.4
 279 3.4 1.9 2.9#



#84
 Di-n-octyl phthalate
 Concen: 57.08 ng
 RT: 14.50 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion:149 Resp: 825781
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 10.2 8.5 12.7

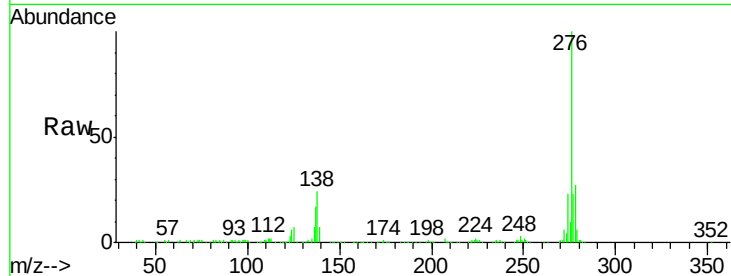




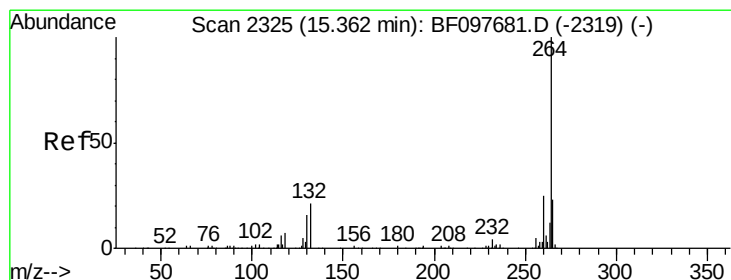
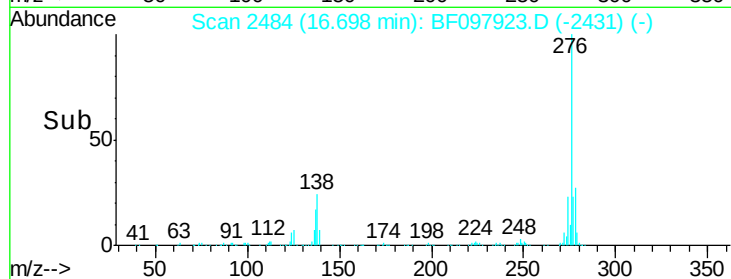
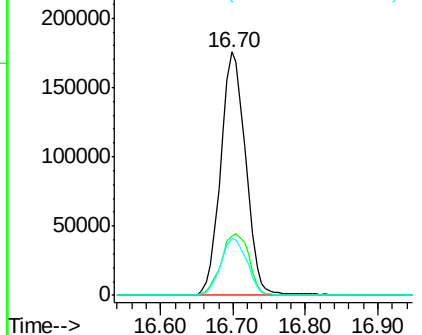
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 40.33 ng
 RT: 16.70 min Scan# 2484
 Delta R.T. 0.01 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.1	27.8	41.6
277	24.8	20.2	30.4

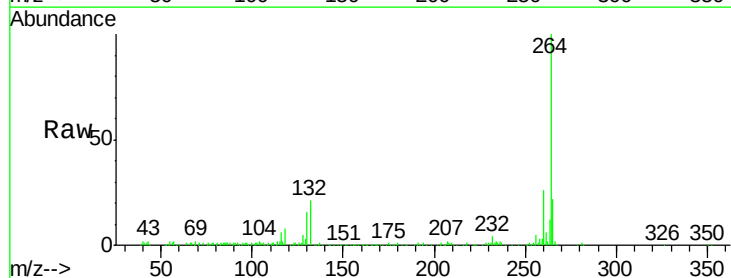


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

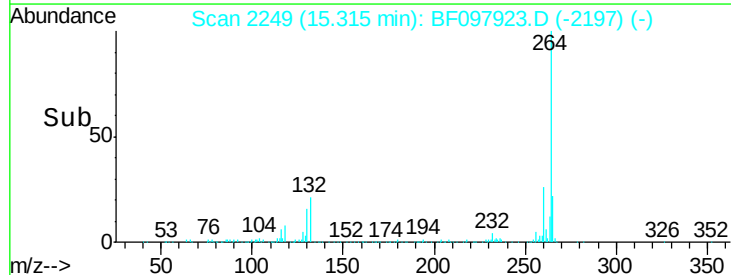
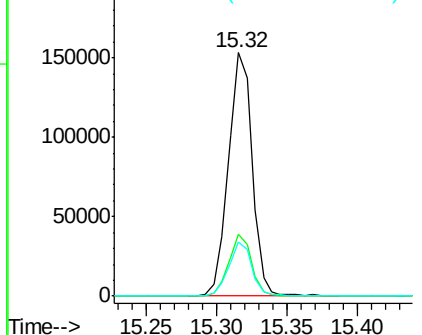


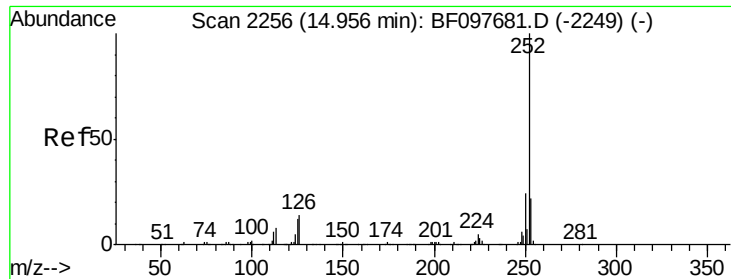
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 2249
 Delta R.T. 0.01 min
 Lab File: BF097923.D
 Acq: 21 Aug 2017 23:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.5	29.3
265	22.5	17.2	25.8



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





#87

Benzo(b)fluoranthene

Concen: 44.56 ng

RT: 14.92 min Scan# 2181

Delta R.T. 0.01 min

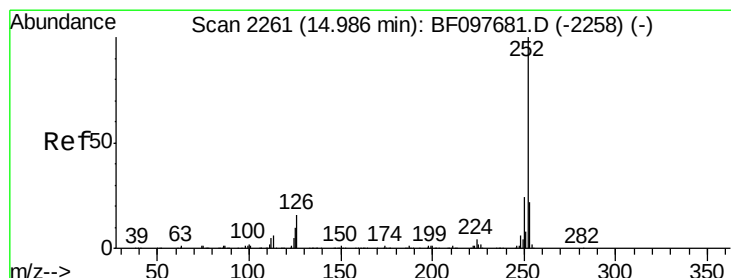
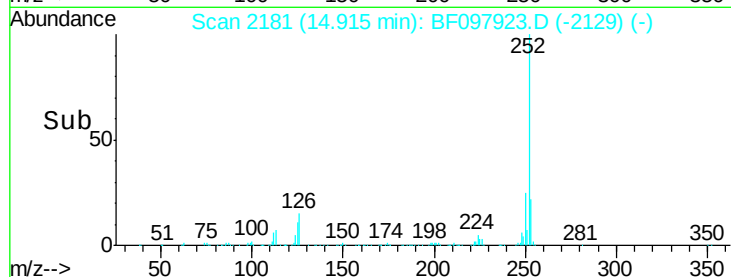
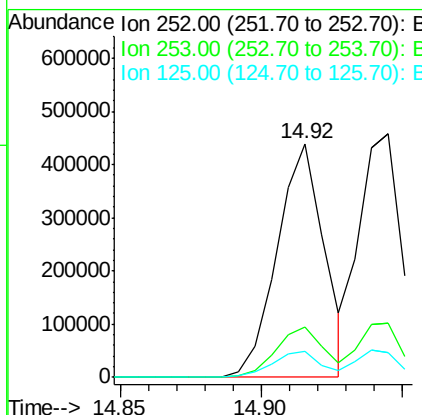
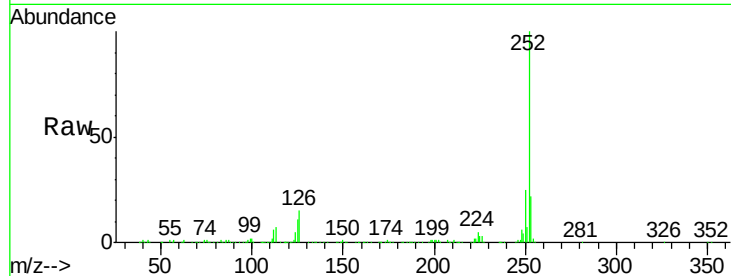
Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MSD

Tot Ion:252 Resp: 507452

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.1	27.1
125	11.1	9.8	14.8



#88

Benzo(k)fluoranthene

Concen: 44.73 ng

RT: 14.94 min Scan# 2186

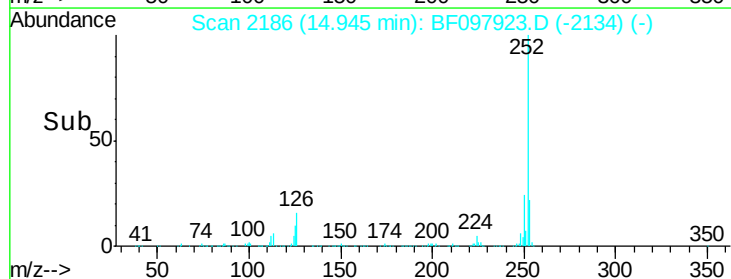
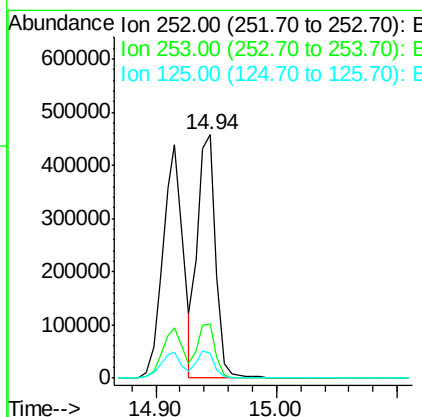
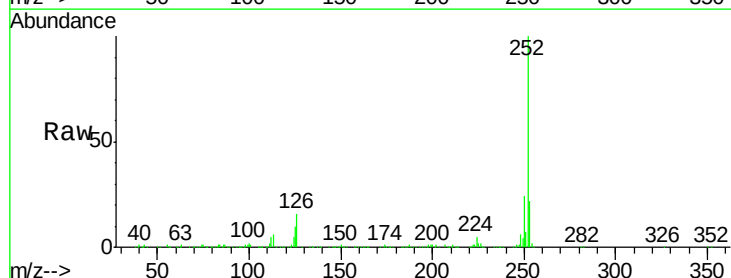
Delta R.T. 0.01 min

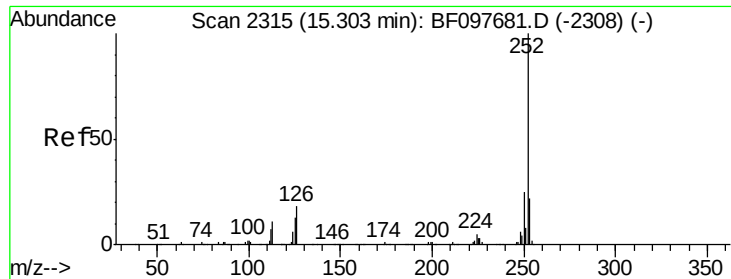
Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Tgt Ion:252 Resp: 478475

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.4	27.6
125	10.1	13.1	19.7#





#89

Benzo(a)pyrene

Concen: 45.69 ng

RT: 15.26 min Scan# 2240

Delta R.T. 0.01 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MSD

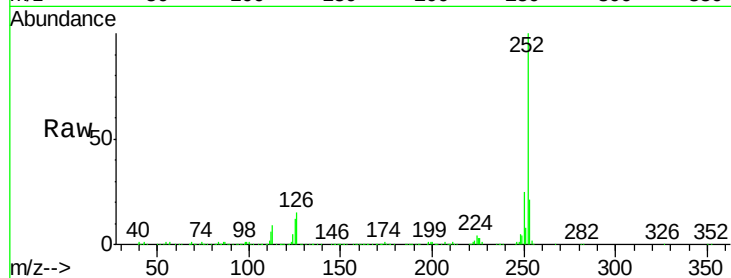
Tot Ion:252 Resp: 460601

Ion Ratio Lower Upper

252 100

253 21.3 17.5 26.3

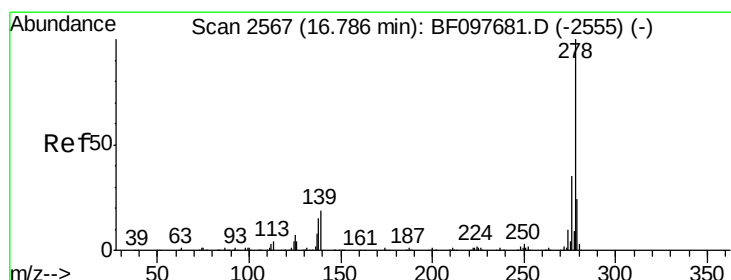
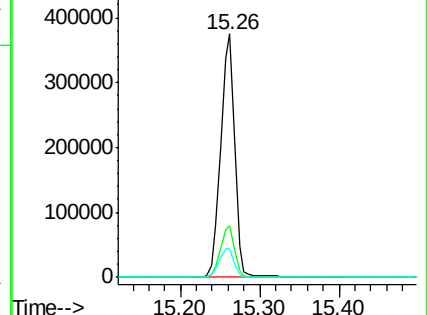
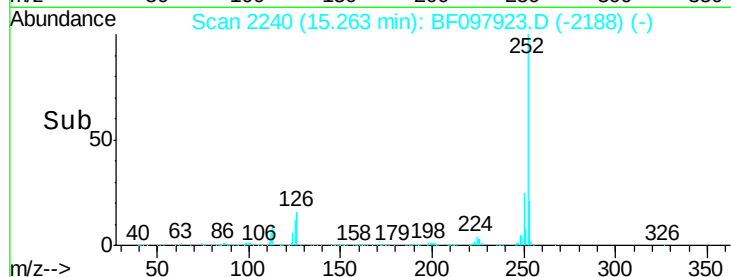
125 11.7 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 42.54 ng

RT: 16.72 min Scan# 2488

Delta R.T. 0.01 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

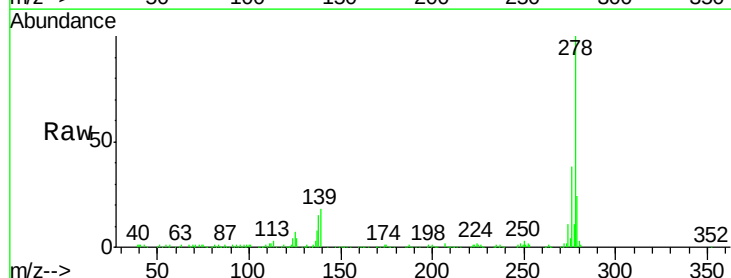
Tgt Ion:278 Resp: 349144

Ion Ratio Lower Upper

278 100

139 18.4 16.6 24.8

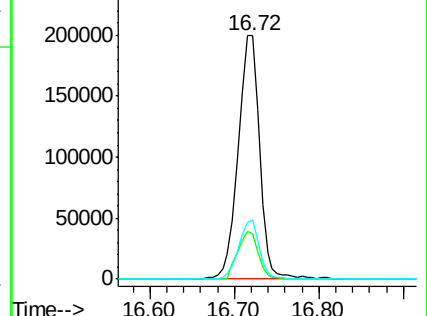
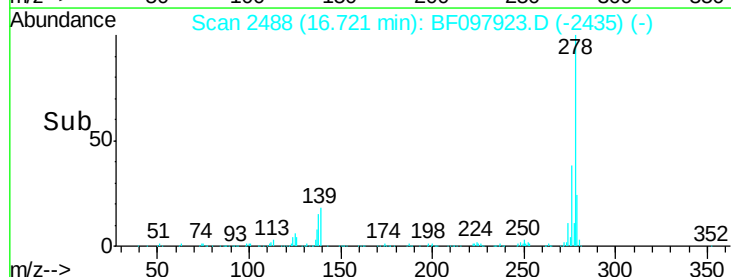
279 24.1 19.3 28.9

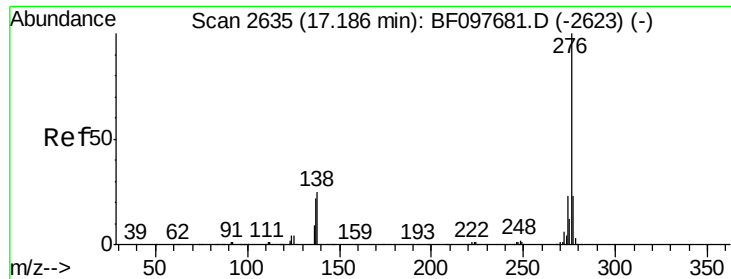


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 38.91 ng

RT: 17.12 min Scan# 2555

Delta R.T. 0.01 min

Lab File: BF097923.D

Acq: 21 Aug 2017 23:34

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MSD

Tot Ion: 276 Resp: 333229

Ion Ratio Lower Upper

276 100

277 24.5 18.6 28.0

138 26.0 25.4 38.0

