

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097922.D
 Acq On : 21 Aug 2017 23:06
 Operator : SJ/JU
 Sample : I4890-01MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Quant Time: Aug 22 04:06:24 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	124295	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	471562	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	187360	20.00	ng	0.00
63) Phenanthrene-d10	11.27	188	310505	20.00	ng	0.00
75) Chrysene-d12	13.90	240	241547	20.00	ng	0.00
86) Perylene-d12	15.32	264	180889	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	1037999	127.03	ng	0.02
7) Phenol-d6	6.40	99	1386456	124.87	ng	0.01
23) Nitrobenzene-d5	7.32	82	863780	99.51	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	199465	122.70	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	1110248	87.06	ng	0.00
78) Terphenyl-d14	12.85	244	752393	64.96	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.49	88	153429	33.67	ng	89
3) Pyridine	3.22	79	426859	33.88	ng	86
4) n-Nitrosodimethylamine	3.16	42	182337	37.61	ng	79
6) Aniline	6.42	93	509000	32.63	ng	99
8) 2-Chlorophenol	6.54	128	333185	38.66	ng	98
9) Benzaldehyde	6.30	77	248510	35.34	ng	87
10) Phenol	6.41	94	530043	40.82	ng	86
11) bis(2-Chloroethyl)ether	6.49	93	376446	38.41	ng	98
12) 1,3-Dichlorobenzene	6.69	146	332968	35.92	ng	# 94
13) 1,4-Dichlorobenzene	6.77	146	334494	35.48	ng	# 94
14) 1,2-Dichlorobenzene	6.92	146	311485	35.83	ng	99
15) Benzyl Alcohol	6.90	79	330643	39.78	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.03	45	488606	37.05	ng	90
17) 2-Methylphenol	7.01	107	303113	39.91	ng	95
18) Hexachloroethane	7.26	117	115468	31.24	ng	# 80
19) n-Nitroso-di-n-propylamine	7.17	70	273443	35.98	ng	89
20) 3+4-Methylphenols	7.16	107	352680	38.02	ng	94
22) Acetophenone	7.16	105	481257	38.63	ng	# 93
24) Nitrobenzene	7.34	77	428025	44.29	ng	95
25) Isophorone	7.57	82	748626	41.48	ng	95
26) 2-Nitrophenol	7.65	139	146761	42.58	ng	# 77
27) 2,4-Dimethylphenol	7.69	122	300227	39.88	ng	92
28) bis(2-Chloroethoxy)methane	7.79	93	472183	39.79	ng	98
29) 2,4-Dichlorophenol	7.89	162	253547	40.58	ng	92
30) 1,2,4-Trichlorobenzene	7.97	180	255783	36.92	ng	99
31) Naphthalene	8.06	128	911380	37.23	ng	99
32) Benzoic acid	7.77	122	35901	12.08	ng	87
33) 4-Chloroaniline	8.10	127	326928	31.66	ng	99
34) Hexachlorobutadiene	8.17	225	147911	36.57	ng	98
35) Caprolactam	8.47	113	82086	38.64	ng	97
36) 4-Chloro-3-methylphenol	8.59	107	301961	37.61	ng	# 82
37) 2-Methylnaphthalene	8.75	142	571217	38.06	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.91	216	231965	40.34	ng	98
40) Hexachlorocyclopentadiene	8.90	237	71209	25.78	ng	98

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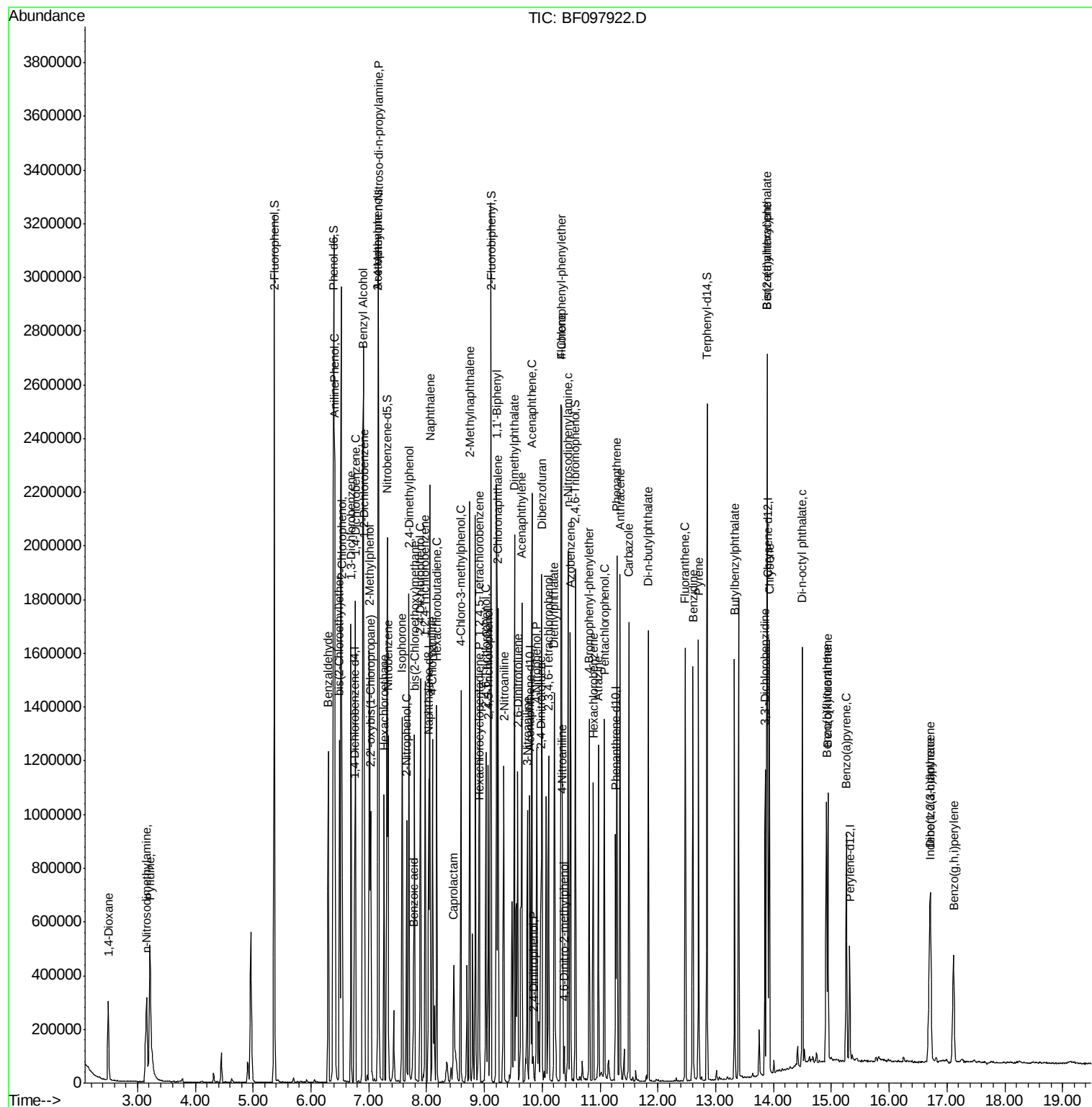
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.03	196	164434	42.59	nq	99
43) 2,4,5-Trichlorophenol	9.07	196	165061	43.10	nq	96
45) 1,1'-Biphenyl	9.21	154	663890	38.86	nq	95
46) 2-Chloronaphthalene	9.23	162	478786	37.93	nq	# 92
47) 2-Nitroaniline	9.33	65	206008	48.68	nq	96
48) Acenaphthylene	9.65	152	766473	38.66	nq	98
49) Dimethylphthalate	9.52	163	801571	58.53	nq	99
50) 2,6-Dinitrotoluene	9.57	165	112375	41.11	nq	# 54
51) Acenaphthene	9.82	154	450409	36.02	nq	99
52) 3-Nitroaniline	9.74	138	143324	40.64	nq	85
53) 2,4-Dinitrophenol	9.85	184	9722	16.67	nq	# 76
54) Dibenzofuran	9.99	168	662276	39.52	nq	100
55) 4-Nitrophenol	9.90	139	198959	70.71	nq	# 31
56) 2,4-Dinitrotoluene	9.97	165	138262	40.30	nq	# 51
57) Fluorene	10.33	166	468577	36.17	nq	95
58) 2,3,4,6-Tetrachlorophenol	10.11	232	124331	41.93	nq	95
59) Diethylphthalate	10.22	149	579122	40.44	nq	99
60) 4-Chlorophenyl-phenylether	10.33	204	226329	37.60	nq	88
61) 4-Nitroaniline	10.35	138	136005	40.57	nq	# 67
62) Azobenzene	10.49	77	663083	38.98	nq	93
64) 4,6-Dinitro-2-methylphenol	10.38	198	11340	14.73	nq	88
65) n-Nitrosodiphenylamine	10.45	169	444836	42.07	nq	99
66) 4-Bromophenyl-phenylether	10.82	248	132884	41.21	nq	97
67) Hexachlorobenzene	10.88	284	123666	37.63	nq	# 89
68) Atrazine	10.97	200	115998	41.37	nq	97
69) Pentachlorophenol	11.07	266	130603	68.16	nq	98
70) Phenanthrene	11.29	178	626012	37.83	nq	100
71) Anthracene	11.35	178	643481	38.34	nq	99
72) Carbazole	11.50	167	617927	38.79	nq	98
73) Di-n-butylphthalate	11.83	149	785505	42.81	nq	99
74) Fluoranthene	12.47	202	642371	37.20	nq	99
76) Benzidine	12.60	184	608411	76.82	nq	# 92
77) Pyrene	12.70	202	657026	33.26	nq	99
79) Butylbenzylphthalate	13.33	149	309833	40.91	nq	# 70
80) Benzo(a)anthracene	13.89	228	526086	36.34	nq	98
81) 3,3'-Dichlorobenzidine	13.86	252	215961	44.21	nq	# 94
82) Chrysene	13.93	228	530418	36.83	nq	99
83) Bis(2-ethylhexyl)phthalate	13.89	149	382328	45.55	nq	# 98
84) Di-n-octyl phthalate	14.50	149	731916	50.12	nq	99
85) Indeno(1,2,3-cd)pyrene	16.70	276	375173	35.41	nq	93
87) Benzo(b)fluoranthene	14.92	252	449775	39.45	nq	98
88) Benzo(k)fluoranthene	14.94	252	426378	39.80	nq	# 92
89) Benzo(a)pyrene	15.26	252	404583	40.08	nq	96
90) Dibenzo(a,h)anthracene	16.72	278	313039	38.09	nq	98
91) Benzo(g,h,i)perylene	17.12	276	306488	35.74	nq	93

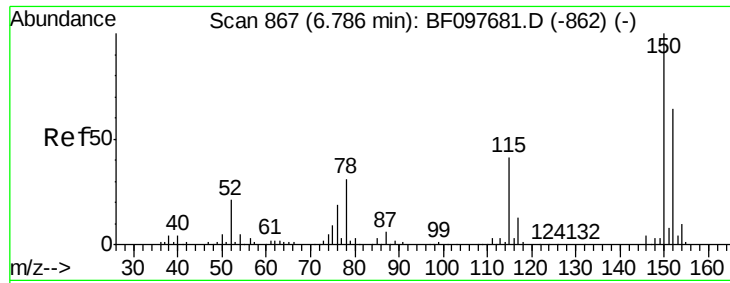
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 793

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MS

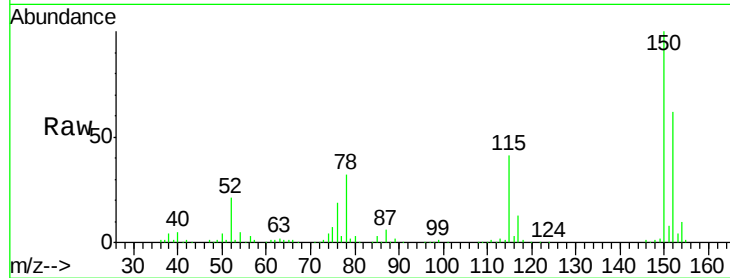
Tot Ion:152 Resp: 124295

Ion Ratio Lower Upper

152 100

150 160.9 126.2 189.2

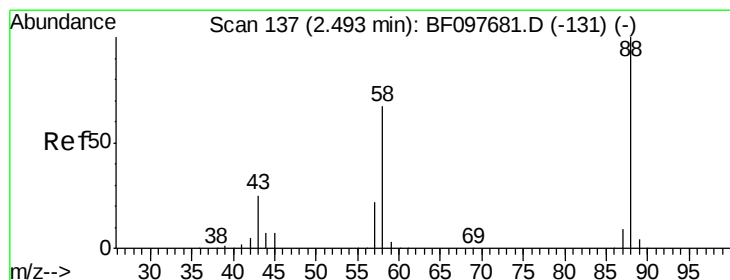
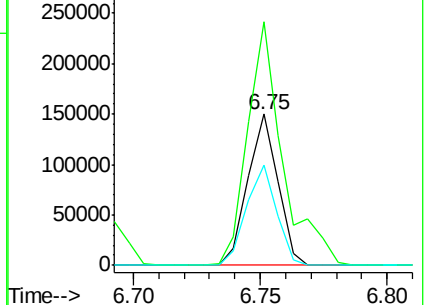
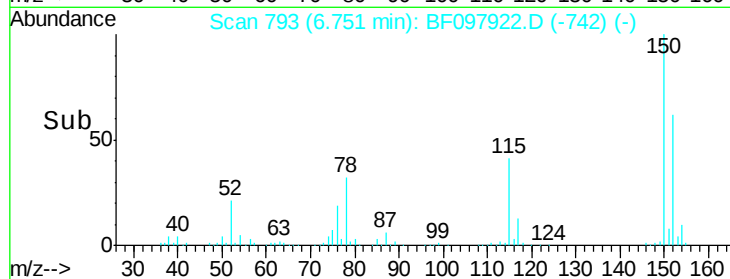
115 66.4 52.2 78.2



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: 33.67 ng

RT: 2.49 min Scan# 69

Delta R.T. 0.06 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

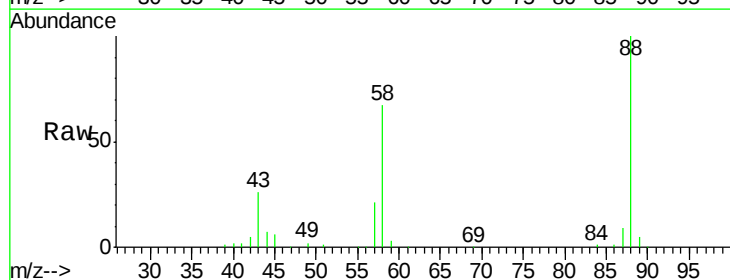
Tgt Ion: 88 Resp: 153429

Ion Ratio Lower Upper

88 100

58 66.8 61.4 92.0

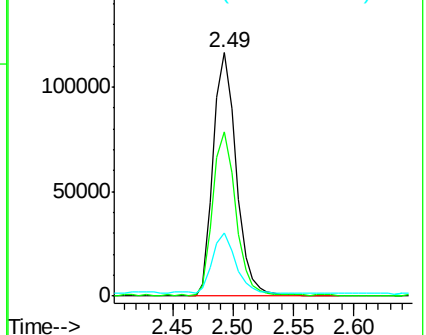
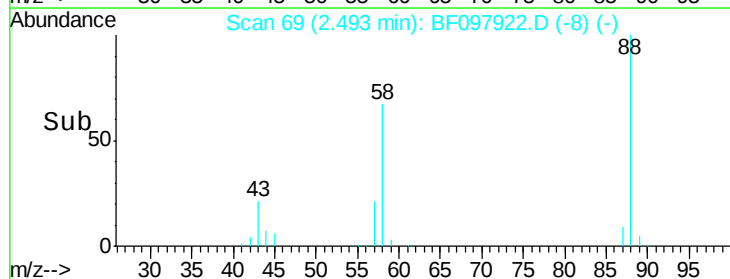
43 24.7 23.4 35.0

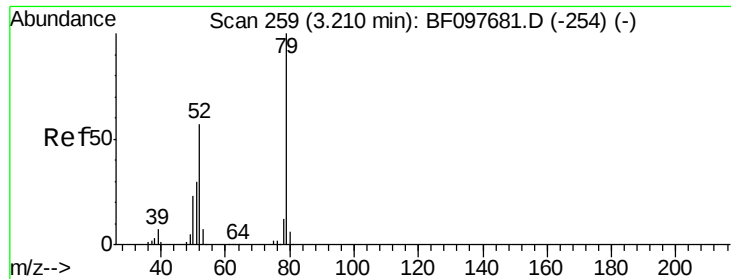


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0



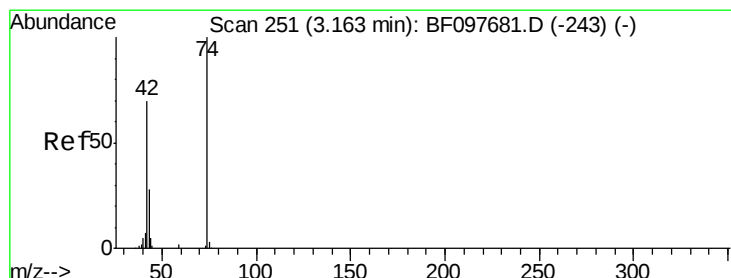
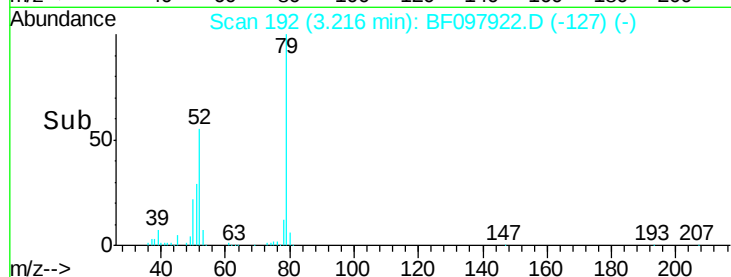
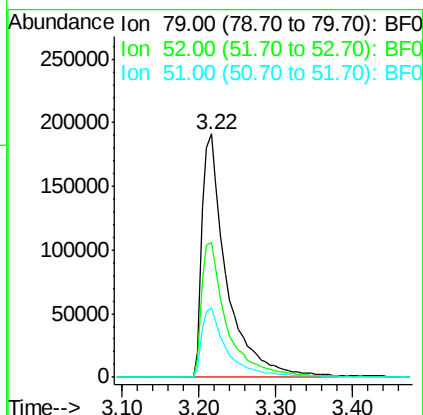
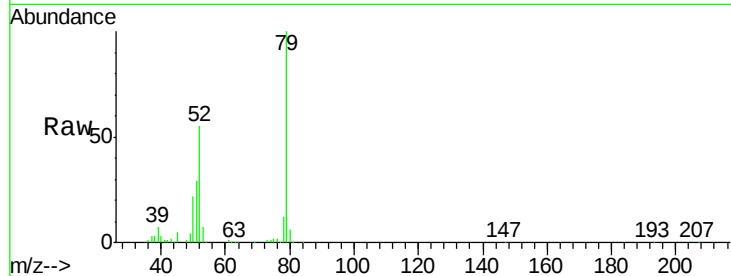


#3
Pvrirdine
Concen: 33.88 ng
RT: 3.22 min Scan# 192
Delta R.T. 0.08 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Instrument :
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Tot Ion: 79 Resp: 426859

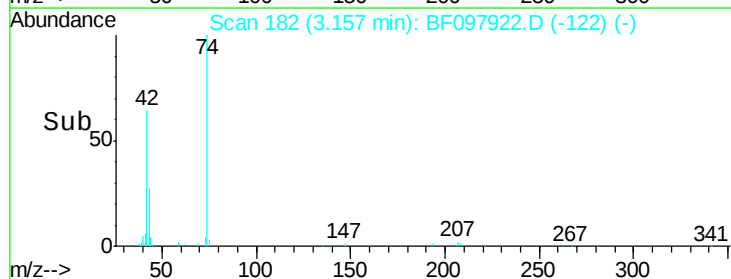
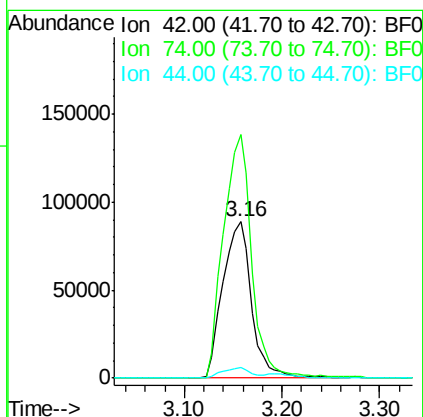
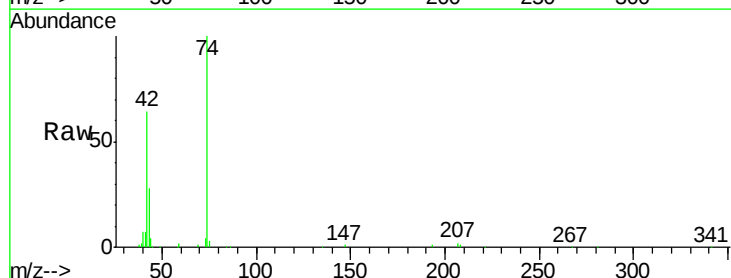
Ion	Ratio	Lower	Upper
79	100		
52	55.4	54.8	82.2
51	28.7	27.0	40.4

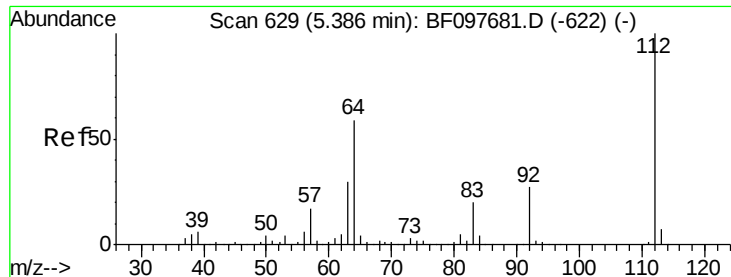


#4
n-Nitrosodimethylamine
Concen: 37.61 ng
RT: 3.16 min Scan# 182
Delta R.T. 0.05 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion: 42 Resp: 182337

Ion	Ratio	Lower	Upper
42	100		
74	155.9	103.9	155.9
44	7.0	5.7	8.5





#5

2-Fluorophenol

Concen: 127.03 ng

RT: 5.37 min Scan# 558

Delta R.T. 0.02 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MS

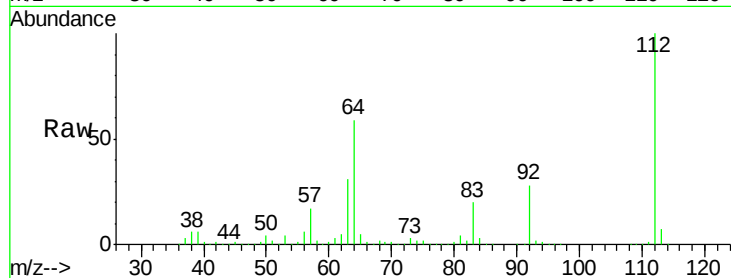
Tot Ion:112 Resp: 1037999

Ion Ratio Lower Upper

112 100

64 59.2 46.0 69.0

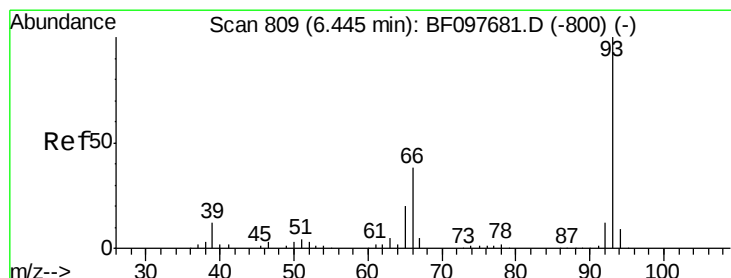
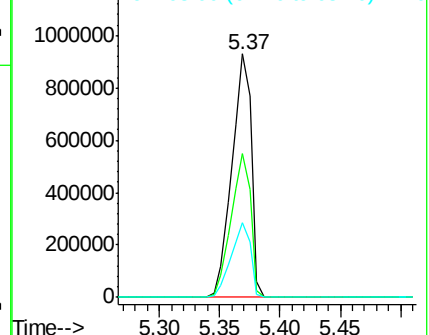
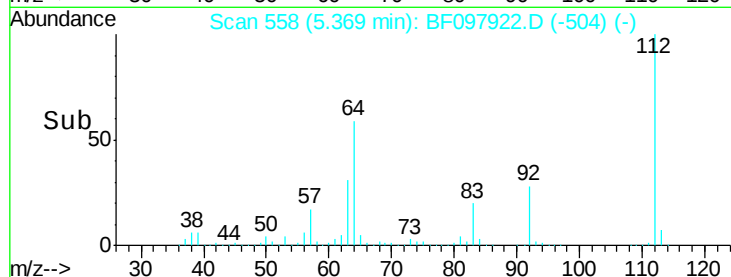
63 30.5 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 32.63 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

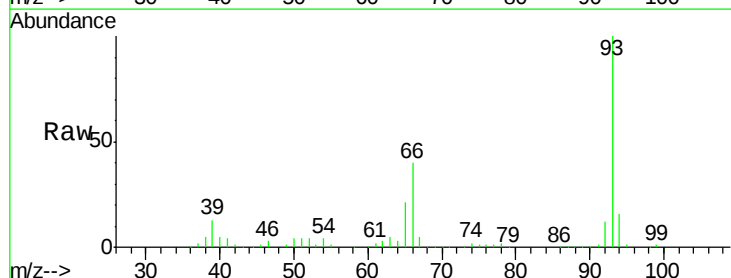
Tgt Ion: 93 Resp: 509000

Ion Ratio Lower Upper

93 100

66 40.4 32.9 49.3

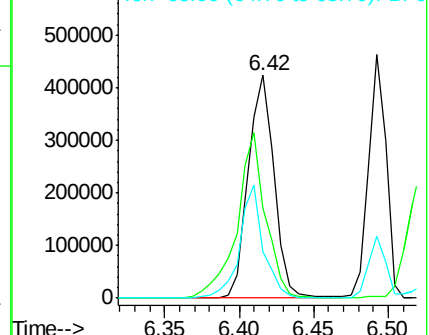
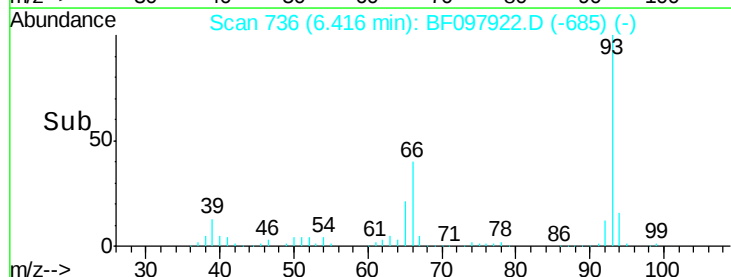
65 20.7 16.0 24.0

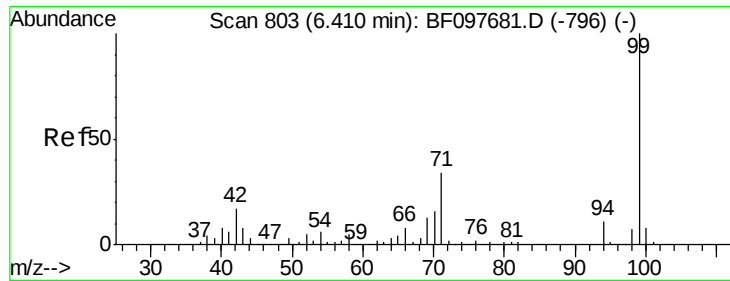


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 124.87 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF097922.D

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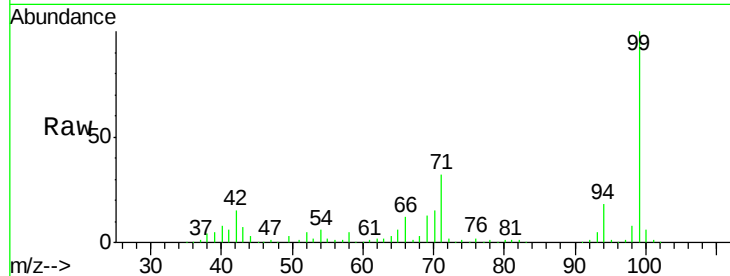
Tot Ion: 99 Resp: 1386456

Ion Ratio Lower Upper

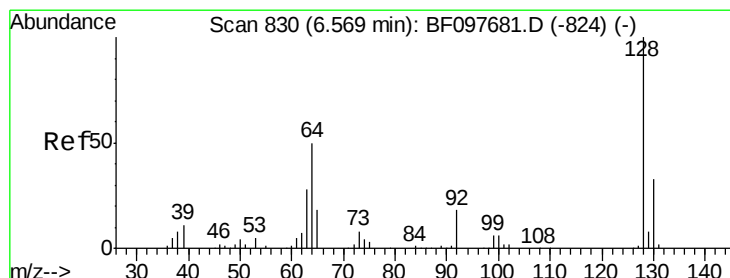
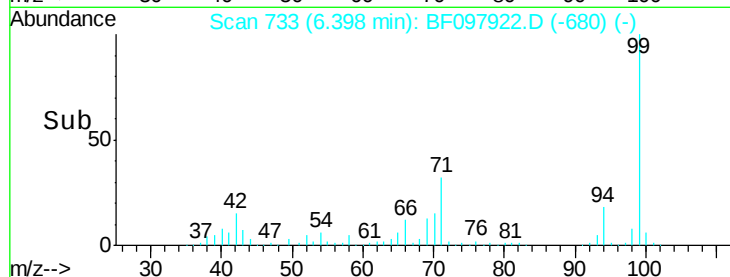
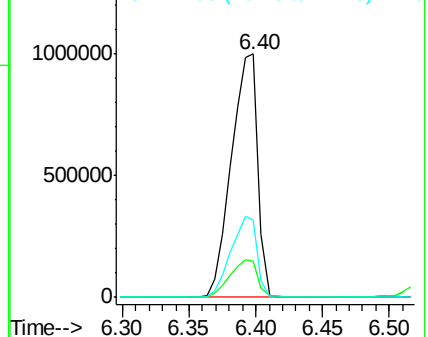
99 100

42 15.0 13.5 20.3

71 31.9 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: 38.66 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.01 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

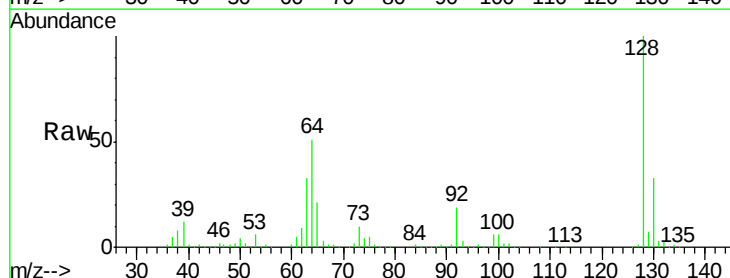
Tgt Ion:128 Resp: 333185

Ion Ratio Lower Upper

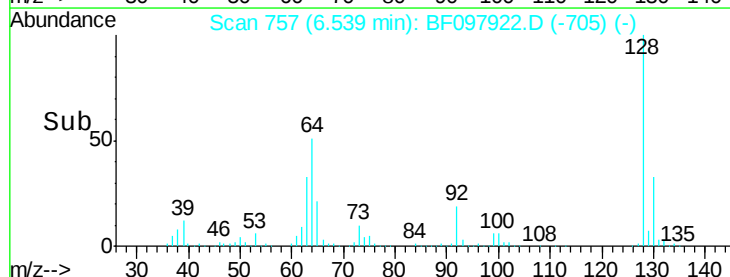
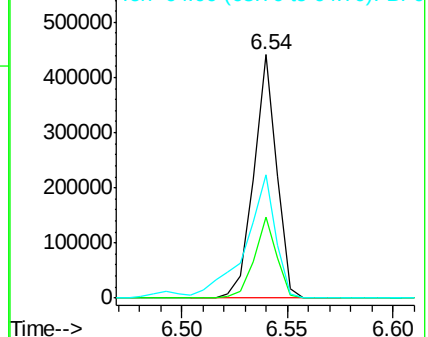
128 100

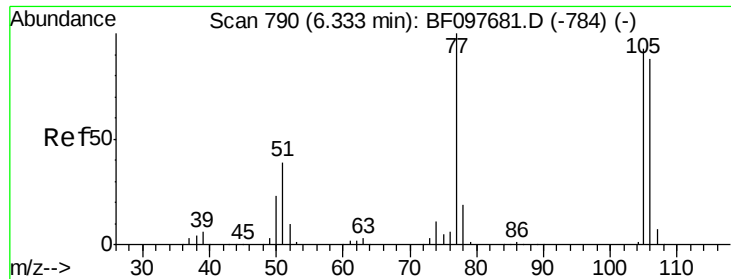
130 33.2 12.9 52.9

64 50.8 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: 35.34 ng

RT: 6.30 min Scan# 716

Delta R.T. 0.00 min

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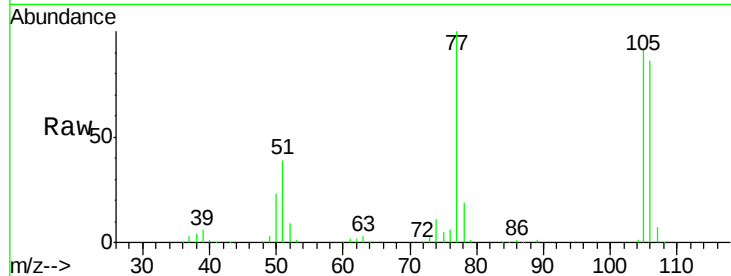
Tot Ion: 77 Resp: 248510

Ion Ratio Lower Upper

77 100

105 90.8 83.8 123.8

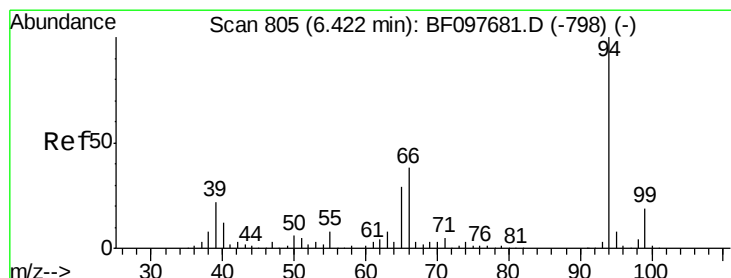
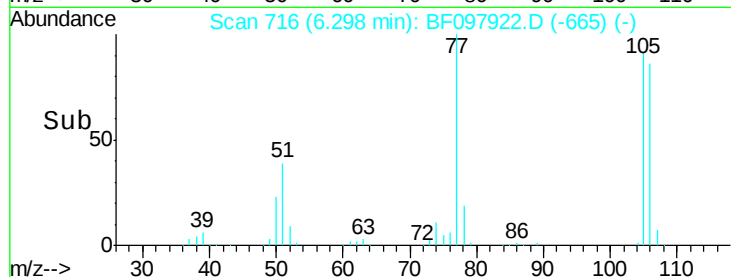
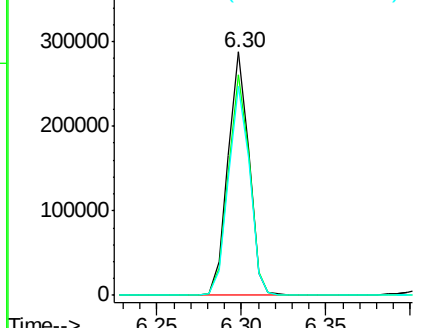
106 86.0 79.1 119.1



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: 40.82 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

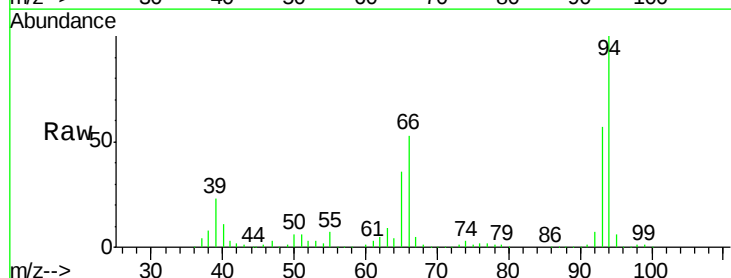
Tgt Ion: 94 Resp: 530043

Ion Ratio Lower Upper

94 100

65 36.1 9.9 49.9

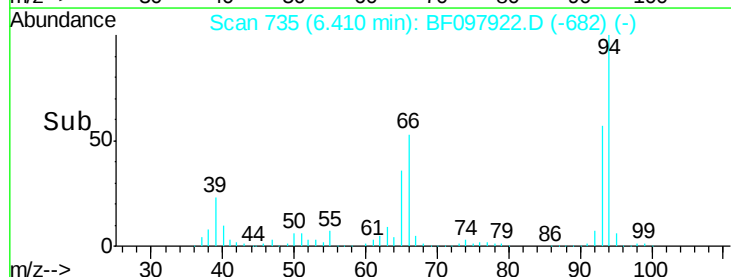
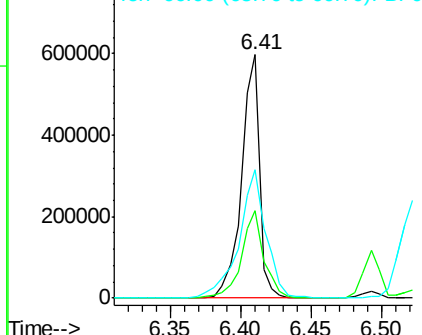
66 52.8 23.1 63.1

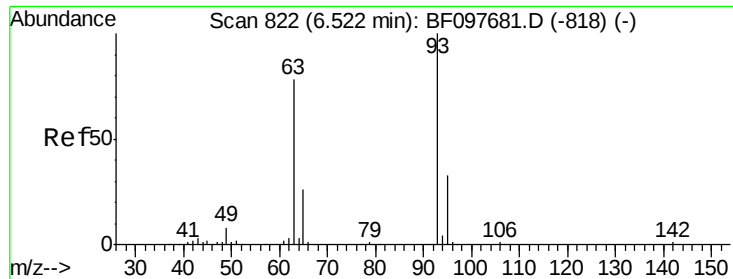


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

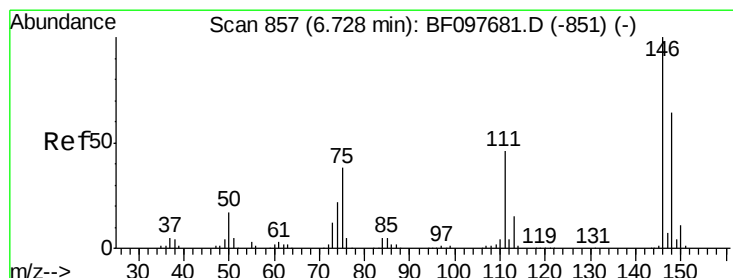
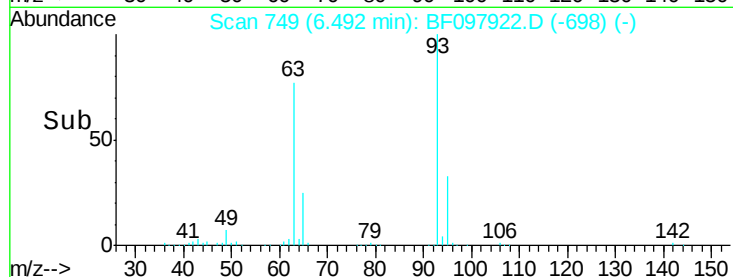
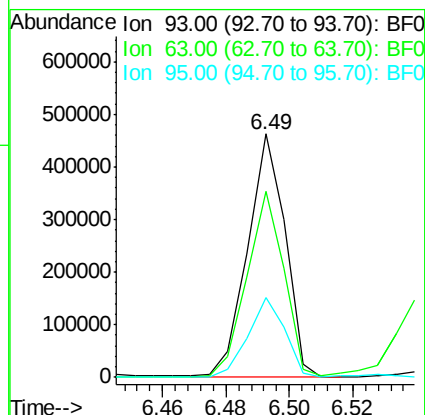
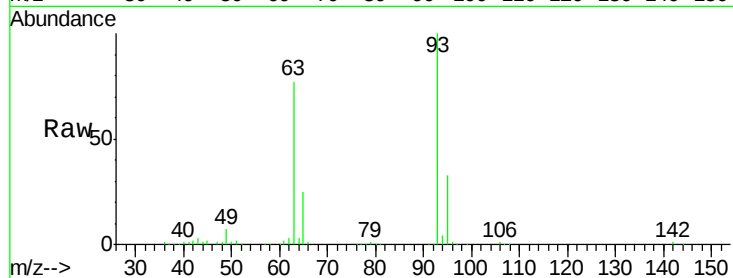




#11
bis(2-Chloroethyl)ether
Concen: 38.41 ng
RT: 6.49 min Scan# 749
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

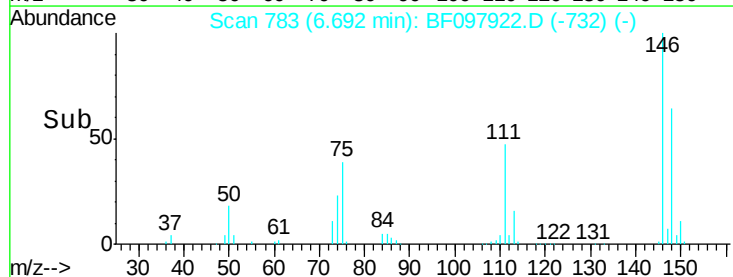
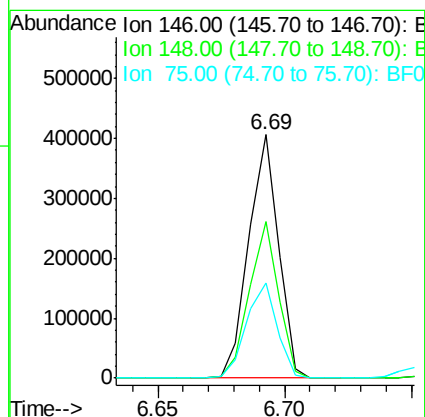
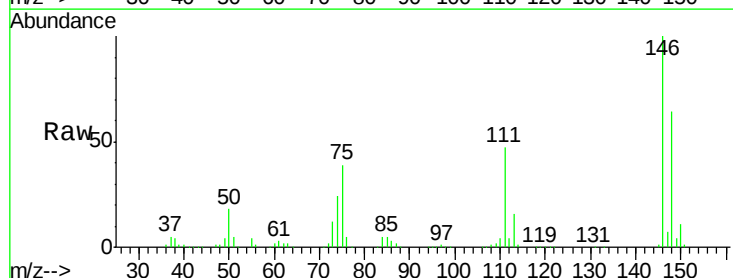
Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

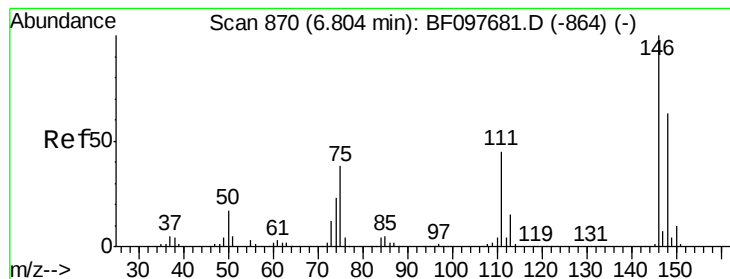
Tot Ion: 93 Resp: 376446
Ion Ratio Lower Upper
93 100
63 76.5 59.2 99.2
95 32.6 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 35.92 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion: 146 Resp: 332968
Ion Ratio Lower Upper
146 100
148 64.4 51.8 77.6
75 39.0 23.1 34.7#





#13

1,4-Dichlorobenzene

Concen: 35.48 ng

RT: 6.77 min Scan# 796

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MS

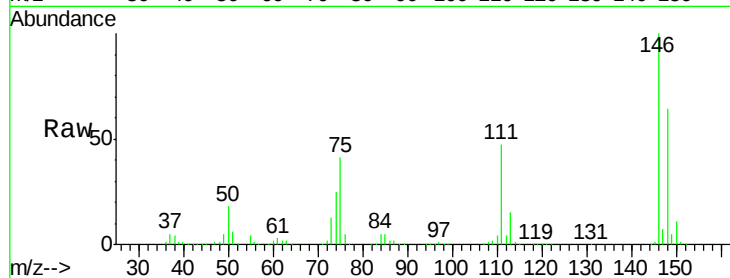
Tot Ion:146 Resp: 334494

Ion Ratio Lower Upper

146 100

148 63.9 52.2 78.2

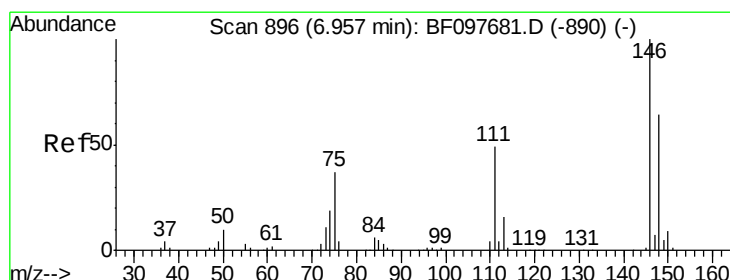
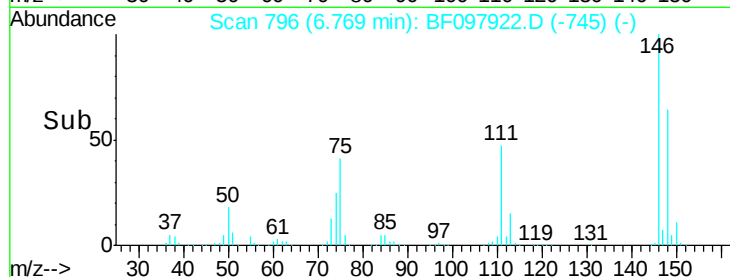
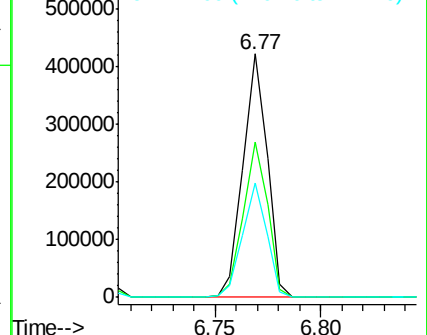
111 46.7 30.3 45.5#



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: 35.83 ng

RT: 6.92 min Scan# 822

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

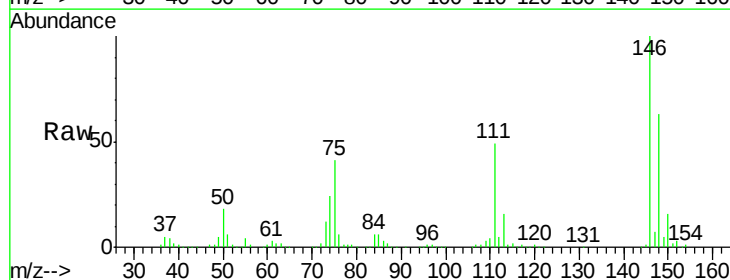
Tgt Ion:146 Resp: 311485

Ion Ratio Lower Upper

146 100

148 62.6 50.4 75.6

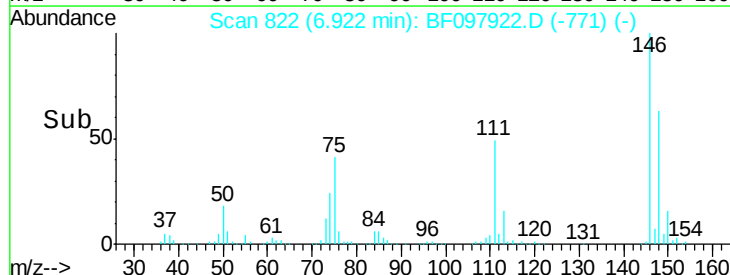
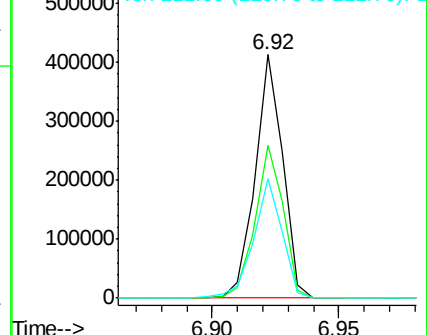
111 48.9 38.2 57.4



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: 39.78 ng

RT: 6.90 min Scan# 818

Delta R.T. 0.01 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MS

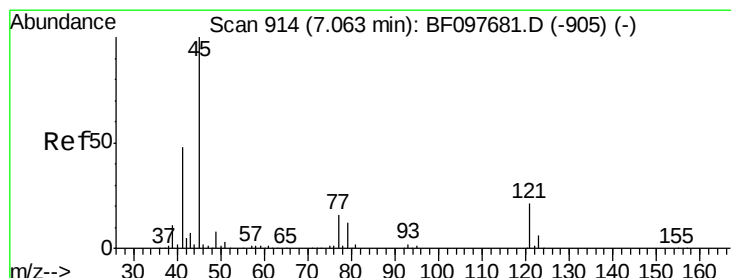
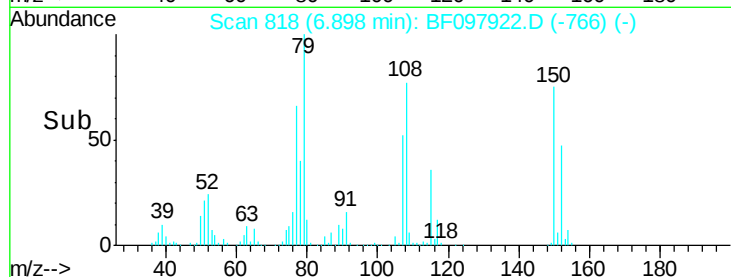
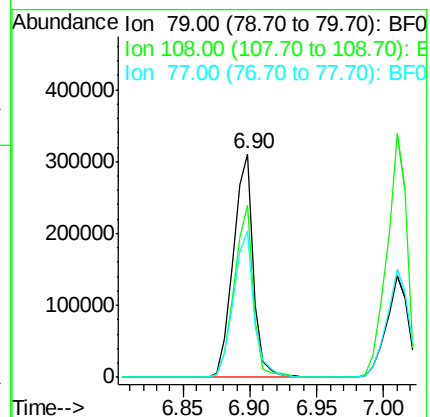
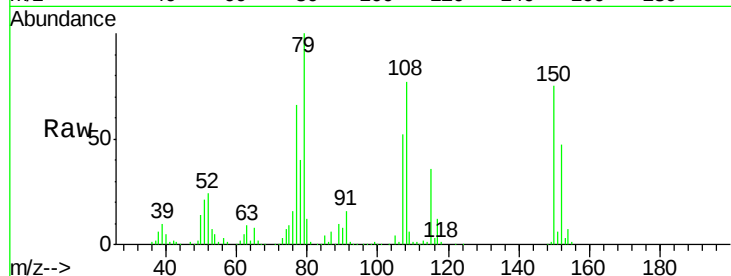
Tot Ion: 79 Resp: 330643

Ion Ratio Lower Upper

79 100

108 76.6 63.4 95.0

77 65.6 49.2 73.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.05 ng

RT: 7.03 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

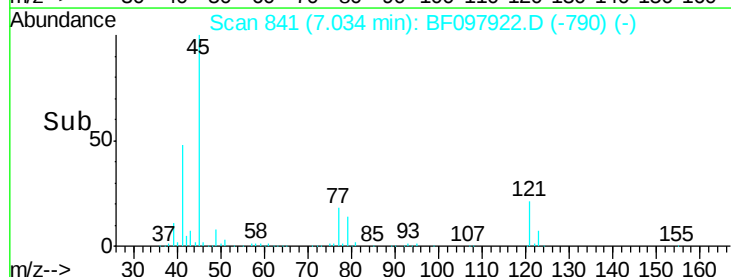
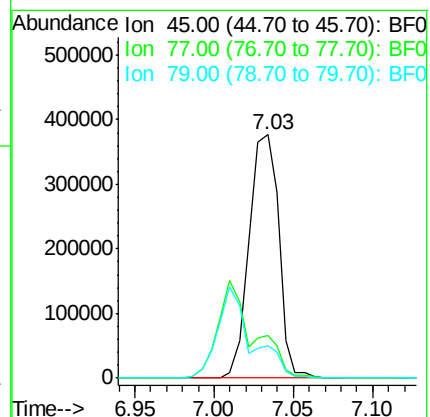
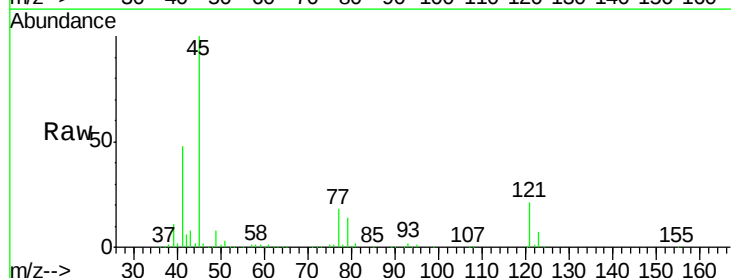
Tgt Ion: 45 Resp: 488606

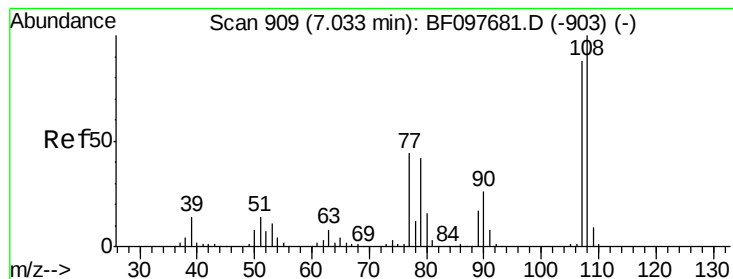
Ion Ratio Lower Upper

45 100

77 17.5 0.0 33.2

79 13.5 0.0 30.0

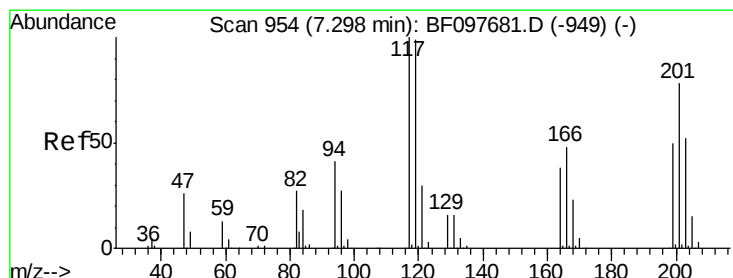
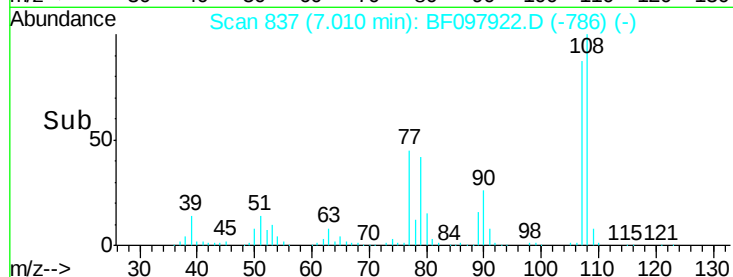
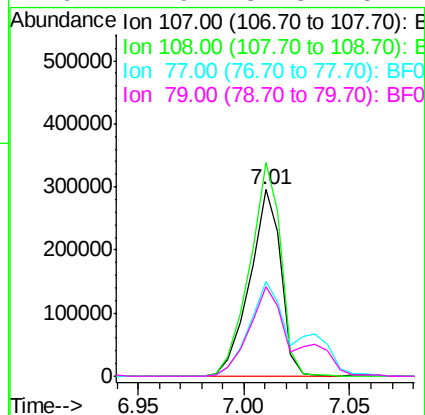
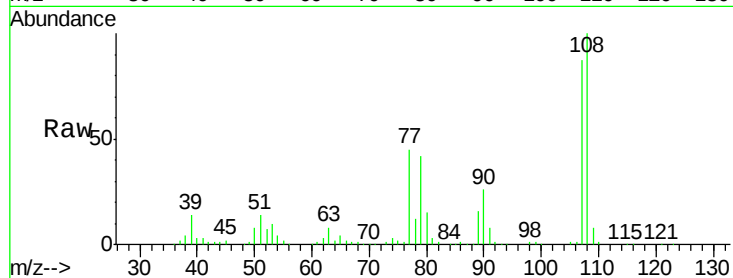




#17
2-Methylphenol
Concen: 39.91 ng
RT: 7.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

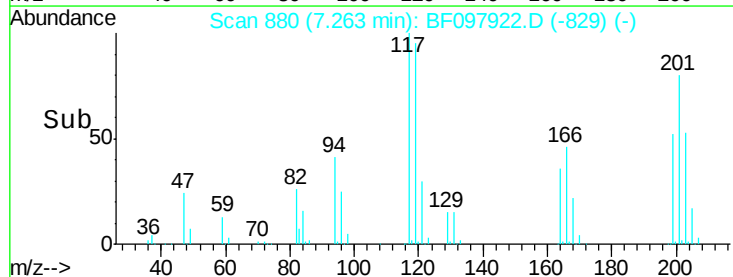
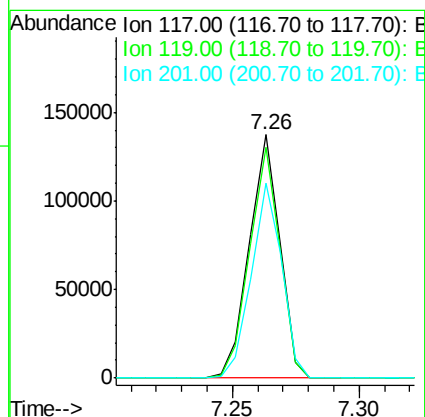
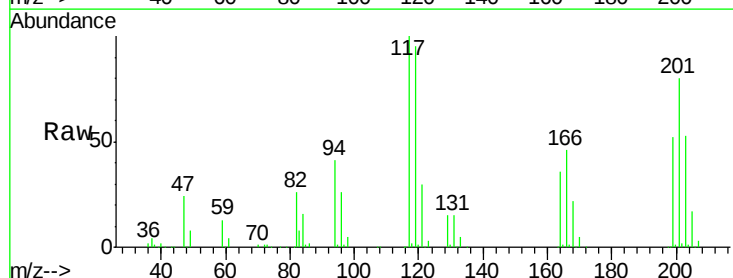
Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

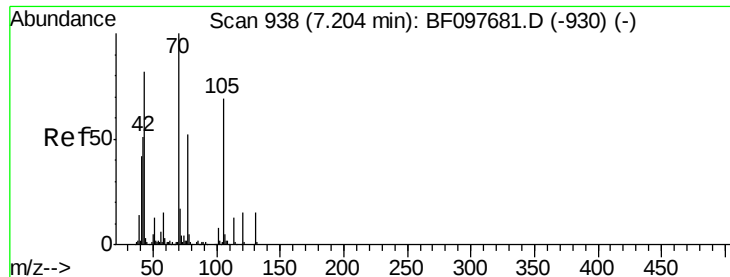
Tot Ion:107 Resp: 303113
Ion Ratio Lower Upper
107 100
108 114.7 93.4 140.0
77 51.0 35.8 53.6
79 47.9 34.8 52.2



#18
Hexachloroethane
Concen: 31.24 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion:117 Resp: 115468
Ion Ratio Lower Upper
117 100
119 94.9 77.4 116.0
201 80.3 94.6 141.8#

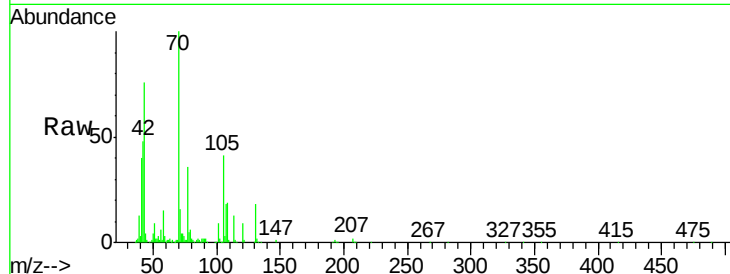




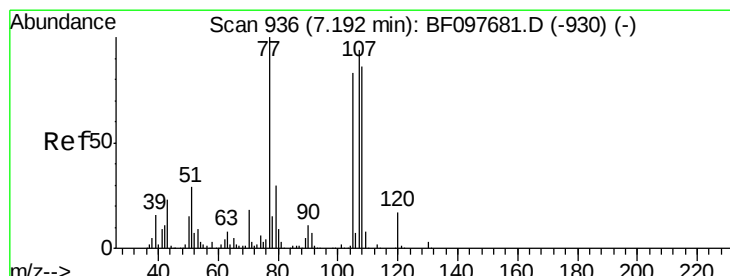
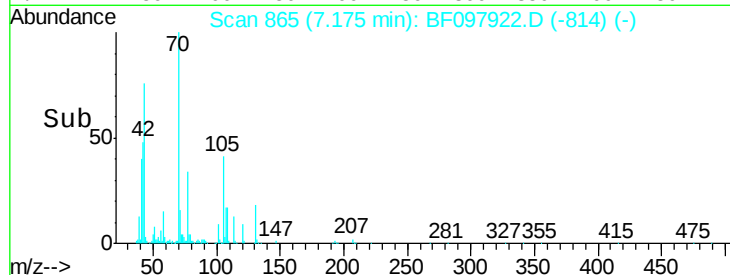
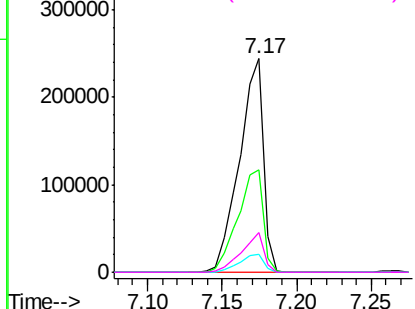
#19
n-Nitroso-di-n-propylamine
Concen: 35.98 ng
RT: 7.17 min Scan# 865
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

Tot Ion:	70	Resp:	273443
Ion	Ratio	Lower	Upper
70	100		
42	47.8	47.2	70.8
101	8.7	7.2	10.8
130	18.4	15.9	23.9

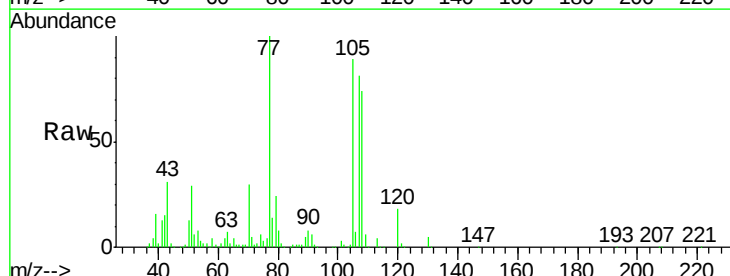


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

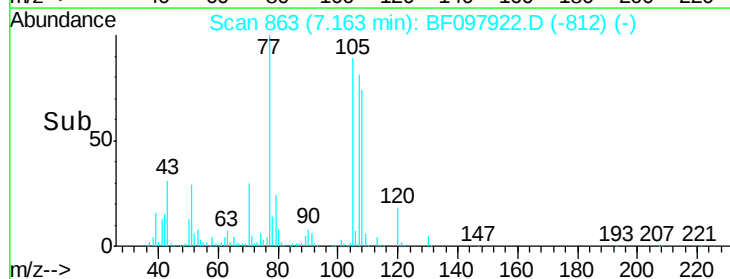
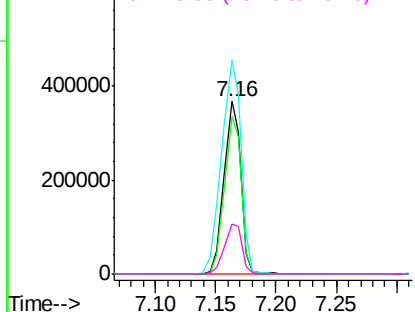


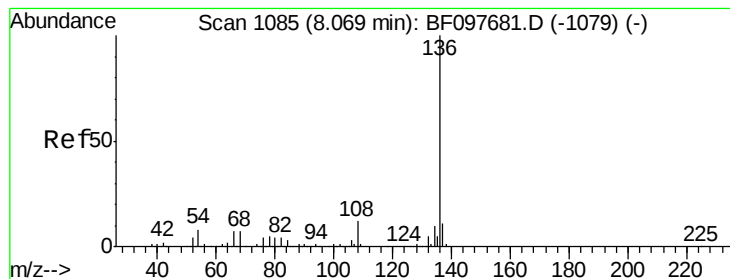
#20
3+4-Methylphenols
Concen: 38.02 ng
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion:	107	Resp:	352680
Ion	Ratio	Lower	Upper
107	100		
108	91.3	71.0	111.0
77	123.7	90.5	130.5
79	29.2	8.4	48.4



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MS

Tot Ion:136 Resp: 471562

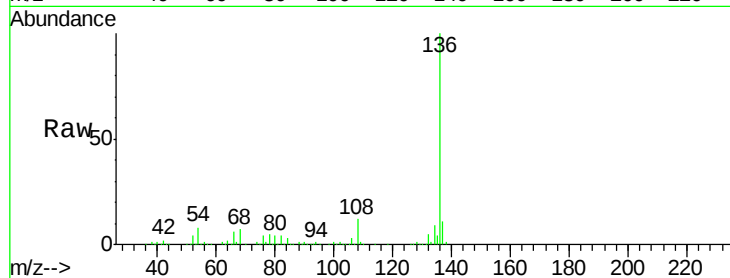
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 8.2 4.9 7.3#

68 7.1 4.1 6.1#

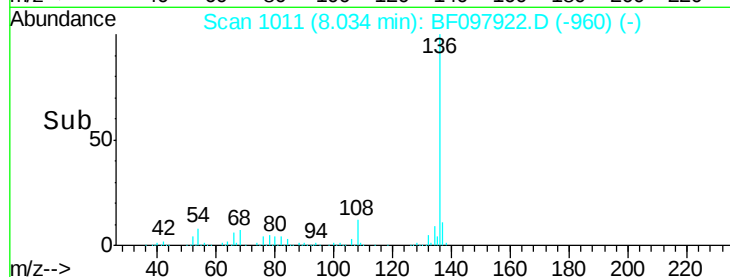


Abundance Ion 136.00 (135.70 to 136.70): E

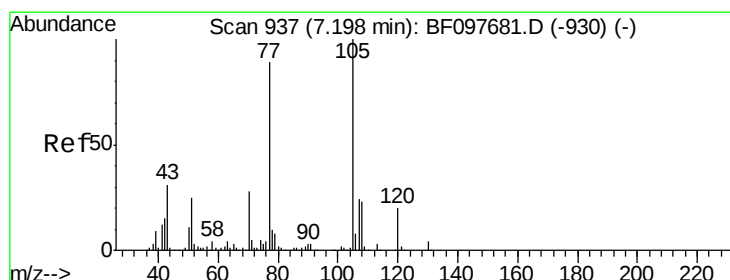
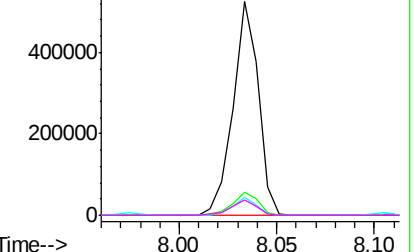
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 38.63 ng

RT: 7.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Tgt Ion:105 Resp: 481257

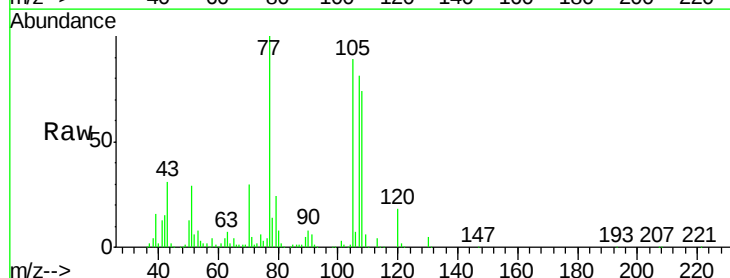
Ion Ratio Lower Upper

105 100

71 5.5 2.8 4.2#

51 32.6 30.7 46.1

120 20.5 17.4 26.0

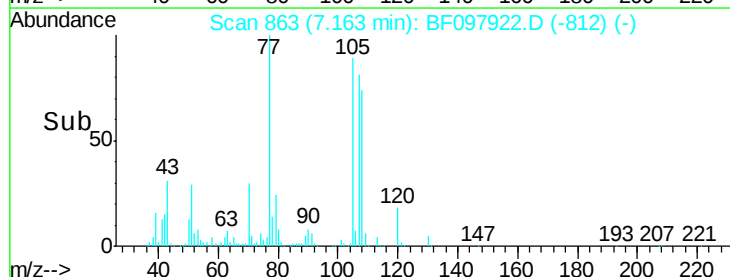


Abundance Ion 105.00 (104.70 to 105.70): E

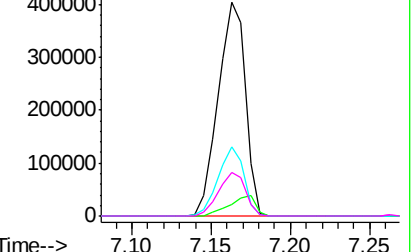
Ion 71.00 (70.70 to 71.70): BF0

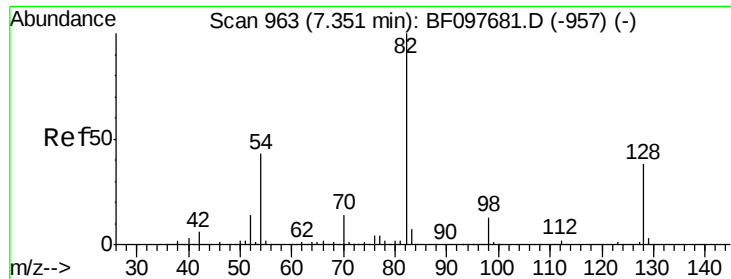
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->

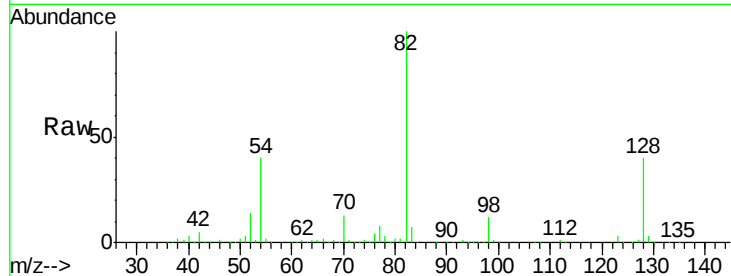




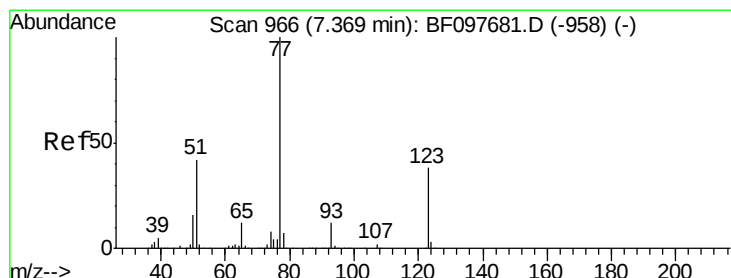
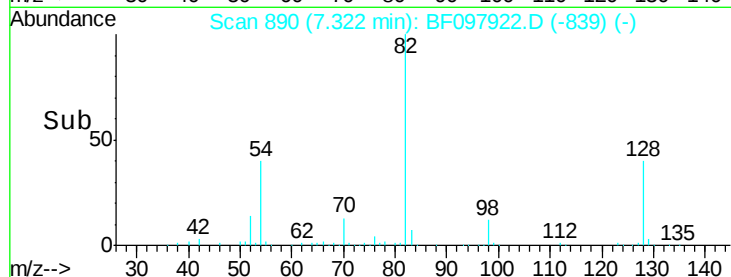
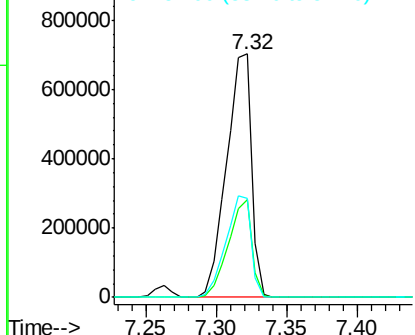
#23
 Nitrobenzene-d5
 Concen: 99.51 ng
 RT: 7.32 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Tot Ion	82	Resp	863780
Ion Ratio	100	Lower	Upper
128	39.9	34.0	51.0
54	40.4	42.2	63.2#

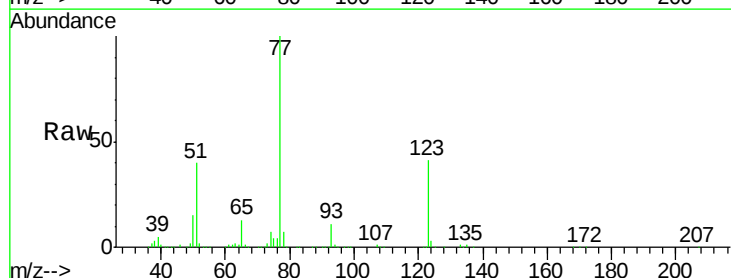


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

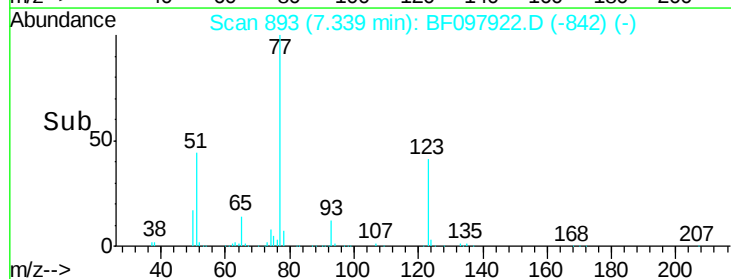
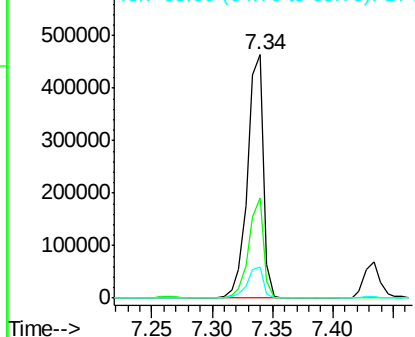


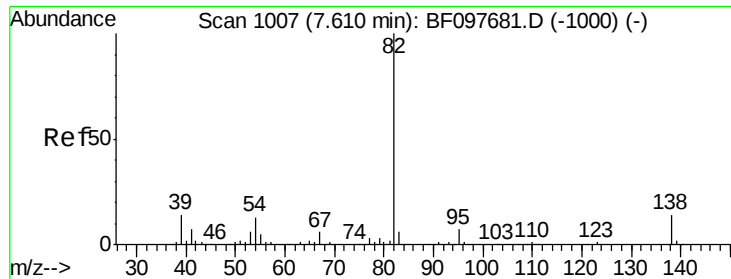
#24
 Nitrobenzene
 Concen: 44.29 ng
 RT: 7.34 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion	77	Resp	428025
Ion Ratio	100	Lower	Upper
123	41.0	35.8	53.8
65	12.6	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: 41.48 ng

RT: 7.57 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MS

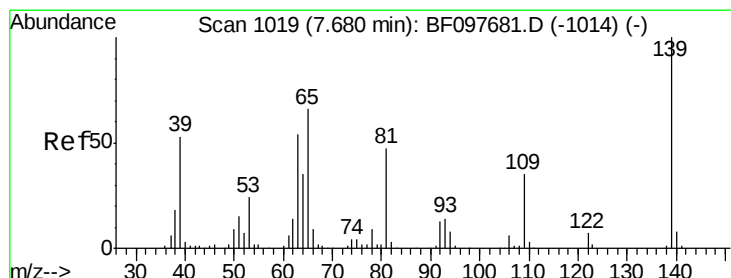
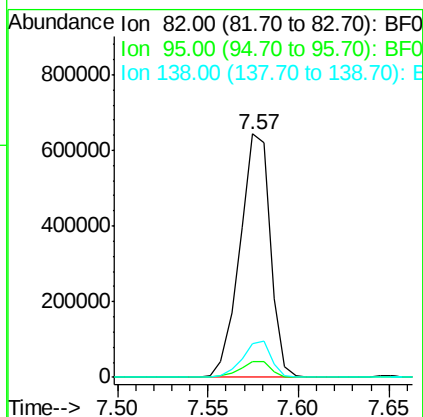
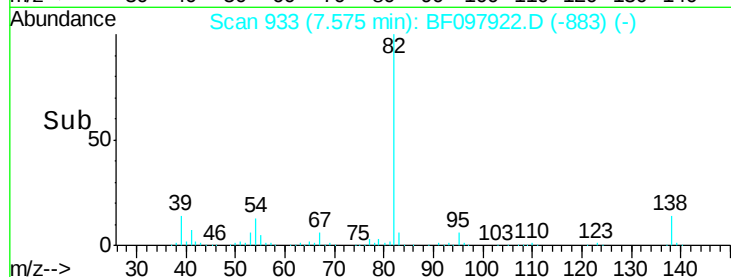
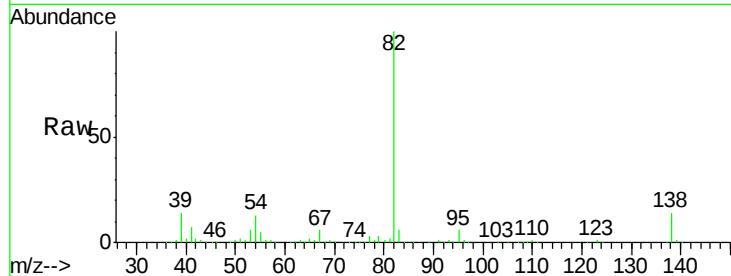
Tot Ion: 82 Resp: 748626

Ion Ratio Lower Upper

82 100

95 6.5 5.3 7.9

138 13.7 13.1 19.7



#26

2-Nitrophenol

Concen: 42.58 ng

RT: 7.65 min Scan# 946

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

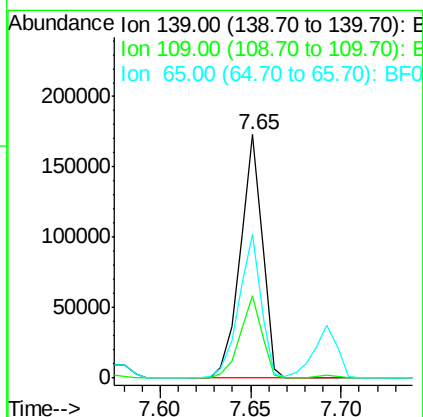
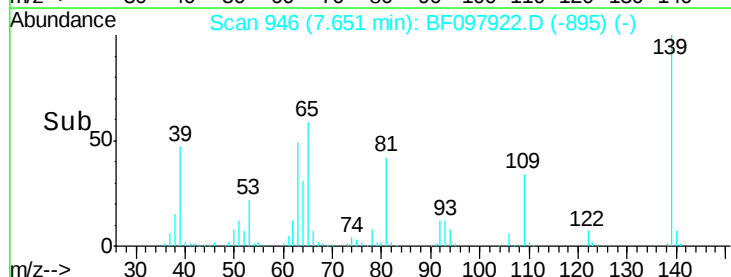
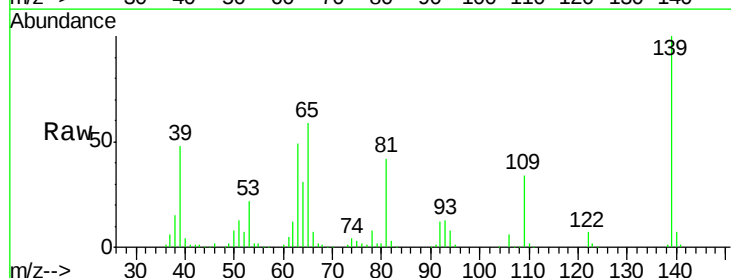
Tgt Ion: 139 Resp: 146761

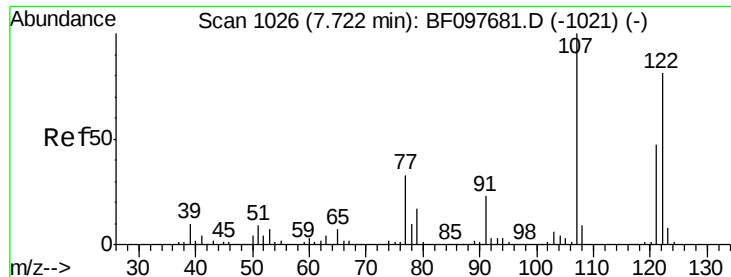
Ion Ratio Lower Upper

139 100

109 33.6 21.0 31.6#

65 59.0 33.0 49.6#

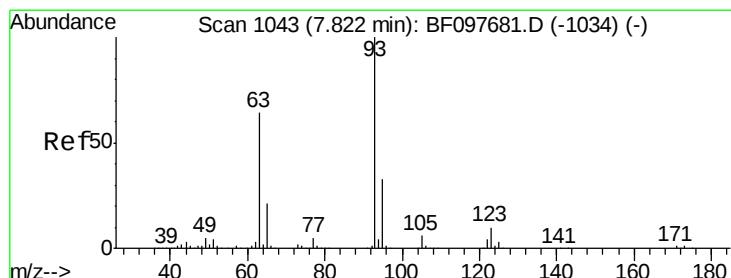
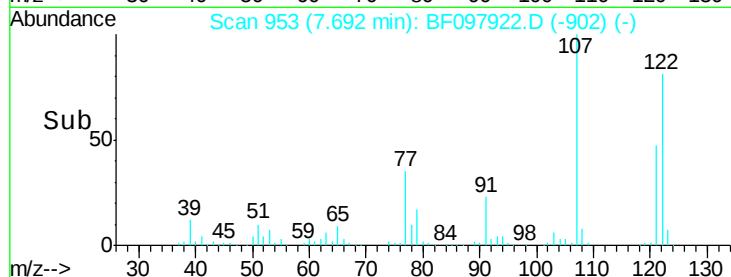
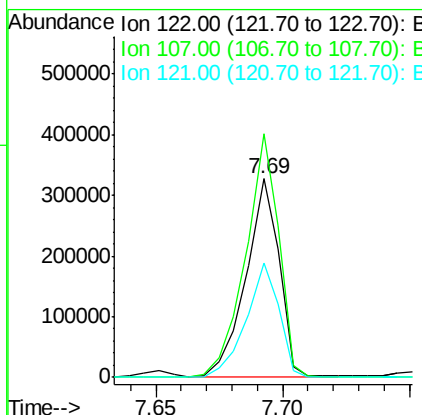
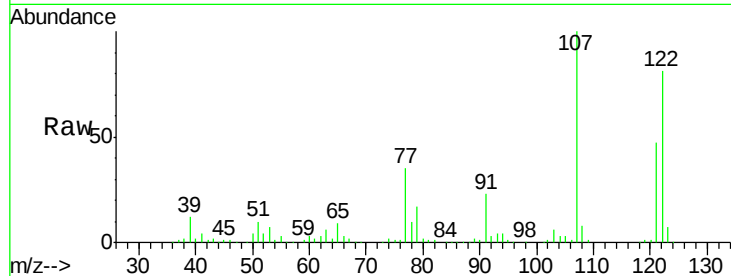




#27
 2,4-Dimethylphenol
 Concen: 39.88 ng
 RT: 7.69 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

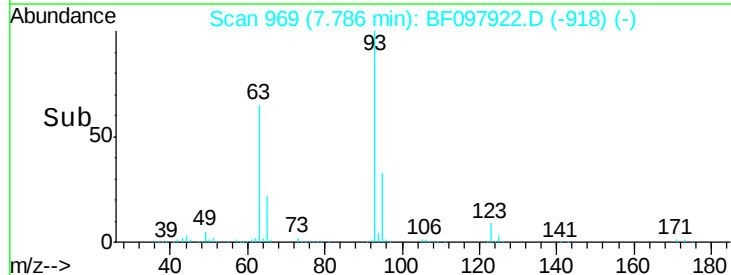
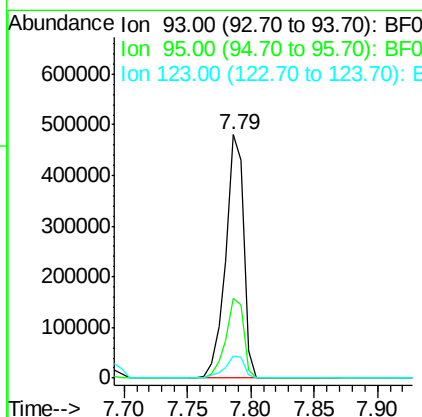
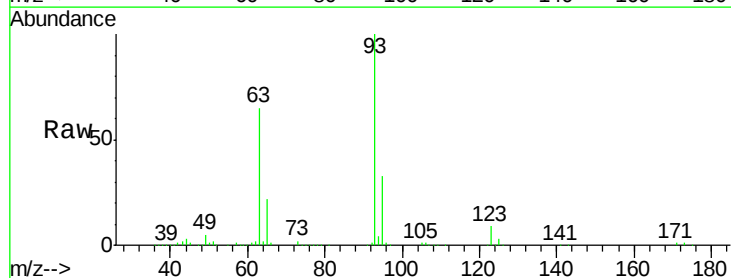
Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

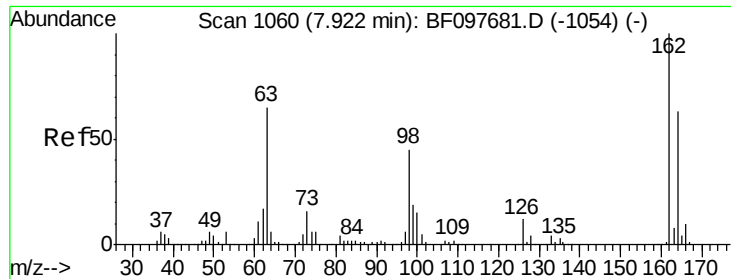
Tot Ion	Ratio	Lower	Upper
122	100		
107	122.7	89.2	133.8
121	57.9	45.2	67.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 39.79 ng
 RT: 7.79 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.5	39.7
123	9.3	9.0	13.4

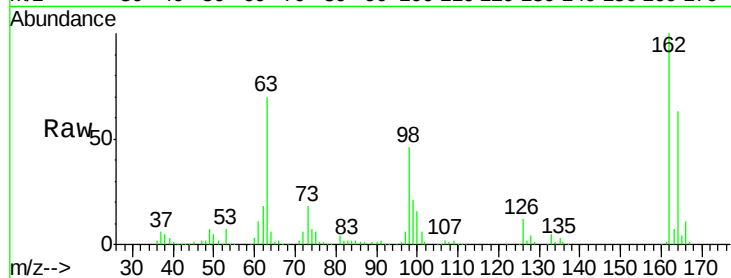




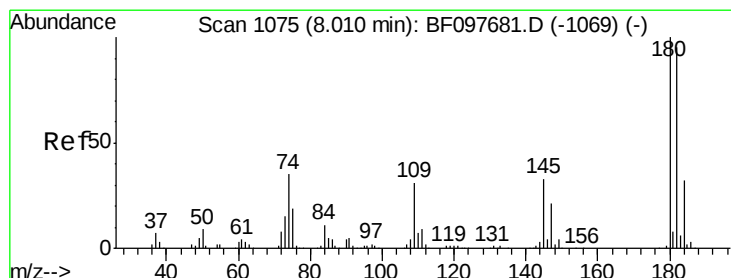
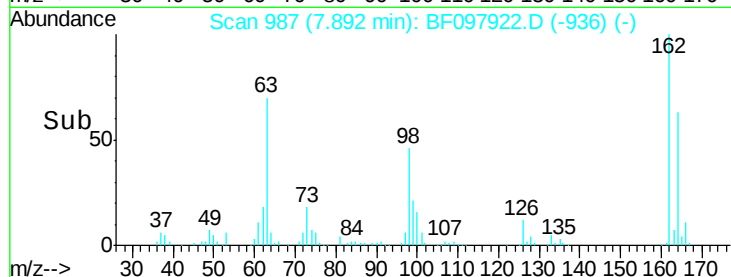
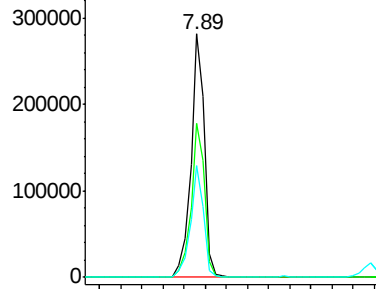
#29
 2,4-Dichlorophenol
 Concen: 40.58 ng
 RT: 7.89 min Scan# 987
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.2	44.6	84.6
98	46.0	14.8	54.8

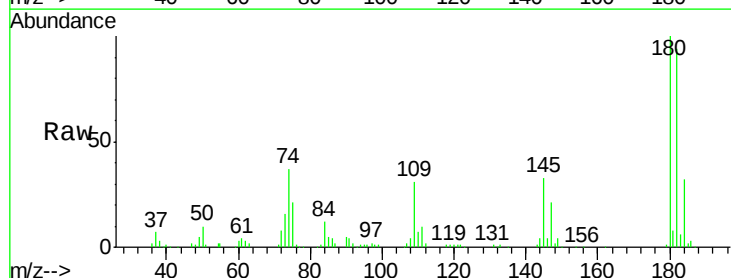


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

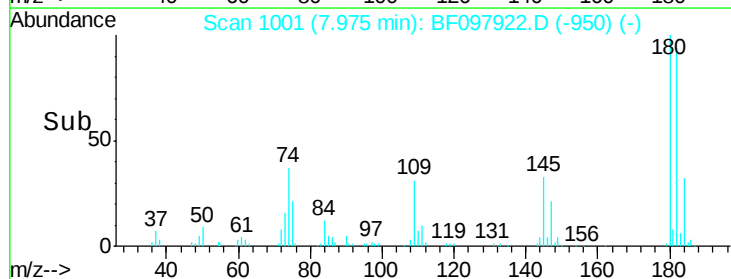
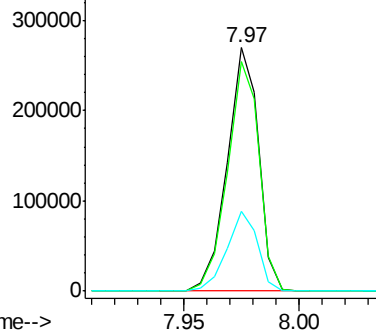


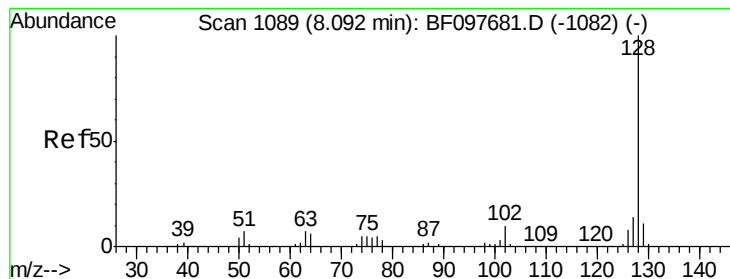
#30
 1,2,4-Trichlorobenzene
 Concen: 36.92 ng
 RT: 7.97 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.8	113.6
145	32.9	25.3	37.9



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





#31

Naphthalene

Concen: 37.23 ng

RT: 8.06 min Scan# 1015

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MS

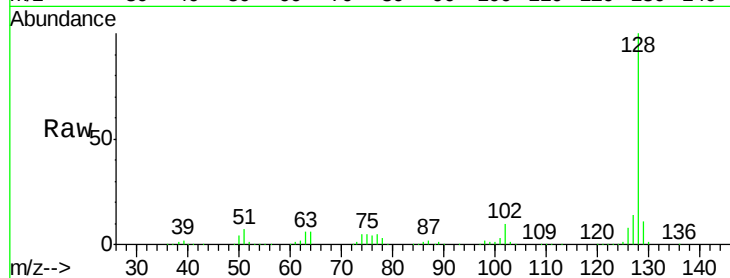
Tot Ion:128 Resp: 911380

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

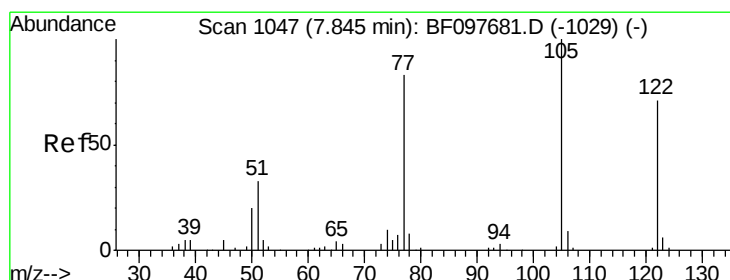
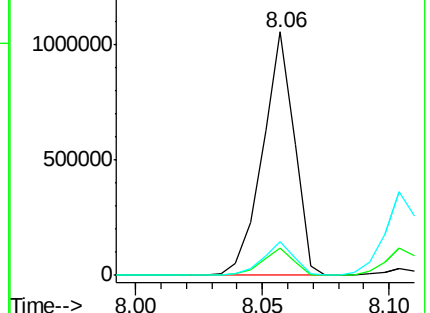
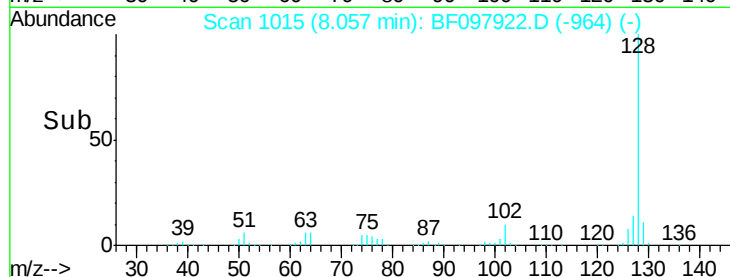
127 13.8 10.8 16.2



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: 12.08 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.06 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

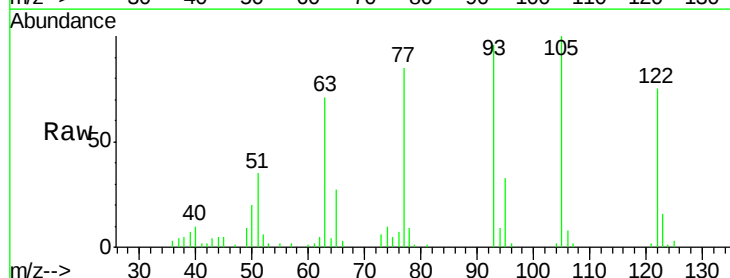
Tgt Ion:122 Resp: 35901

Ion Ratio Lower Upper

122 100

105 132.8 103.3 143.3

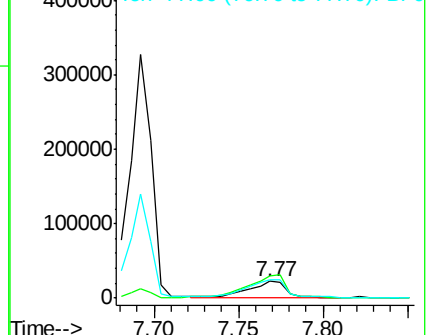
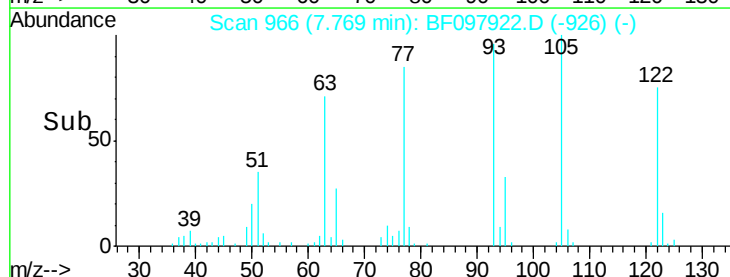
77 112.3 73.7 113.7

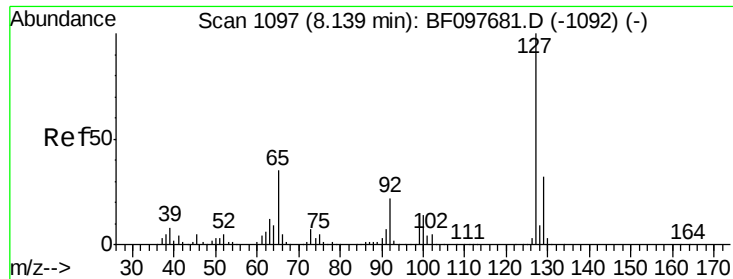


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

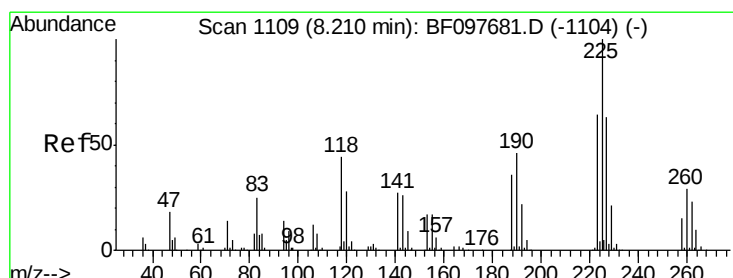
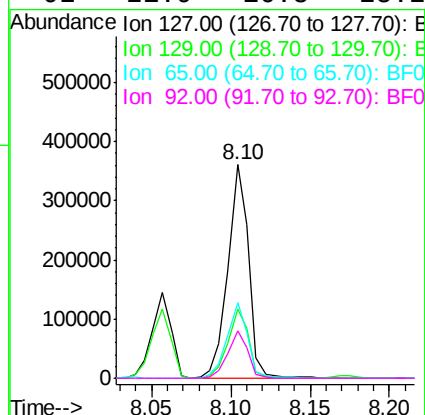
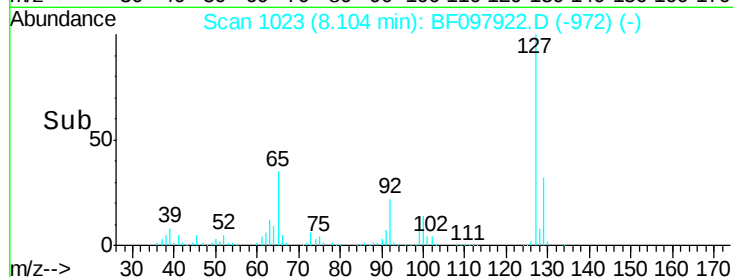
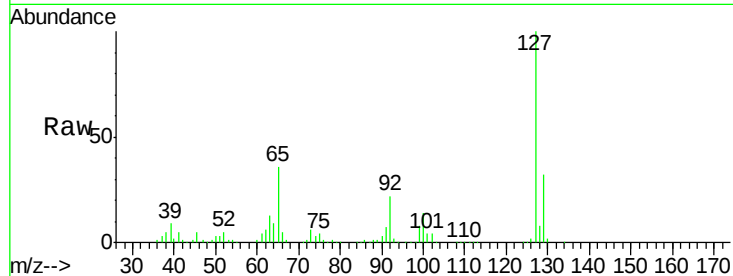




#33
4-Chloroaniline
Concen: 31.66 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

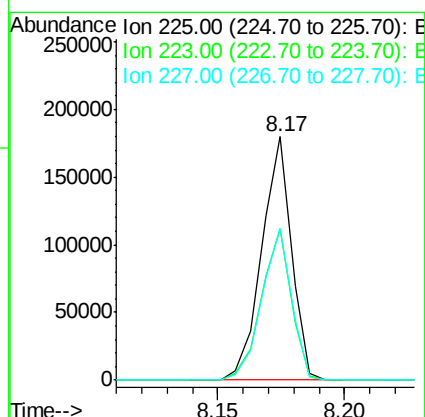
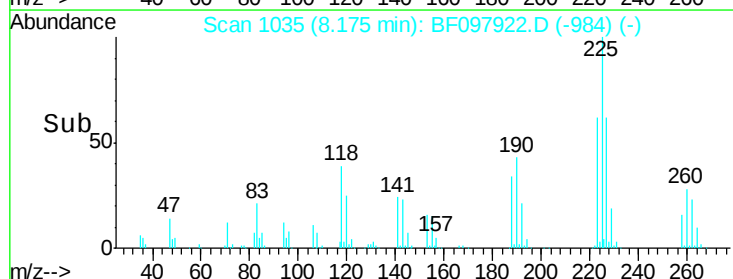
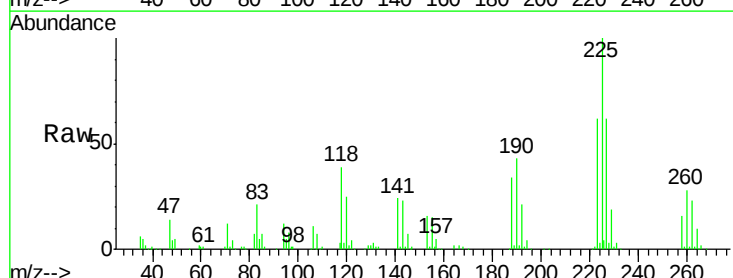
Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

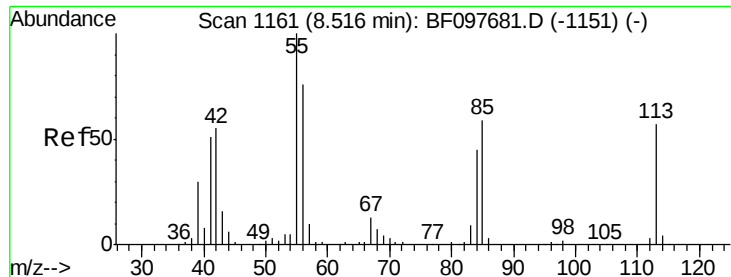
Tot Ion:	127	Resp:	326928
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.2	39.2
65	35.5	27.8	41.8
92	21.9	16.8	25.2



#34
Hexachlorobutadiene
Concen: 36.57 ng
RT: 8.17 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion:	225	Resp:	147911
Ion	Ratio	Lower	Upper
225	100		
223	62.0	48.8	73.2
227	62.4	51.1	76.7





#35

Caprolactam

Concen: 38.64 ng

RT: 8.47 min Scan# 1086

Delta R.T. -0.02 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MS

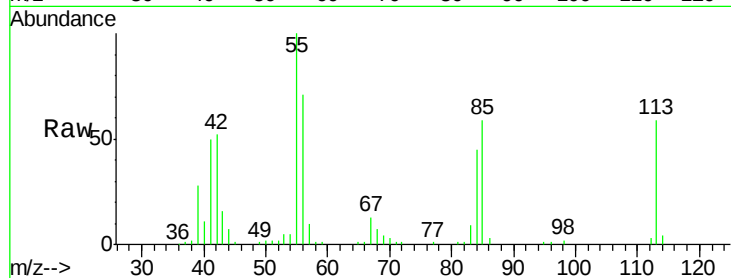
Tot Ion:113 Resp: 82086

Ion Ratio Lower Upper

113 100

55 170.4 150.2 190.2

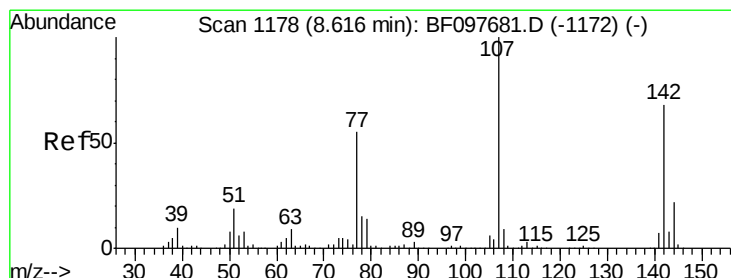
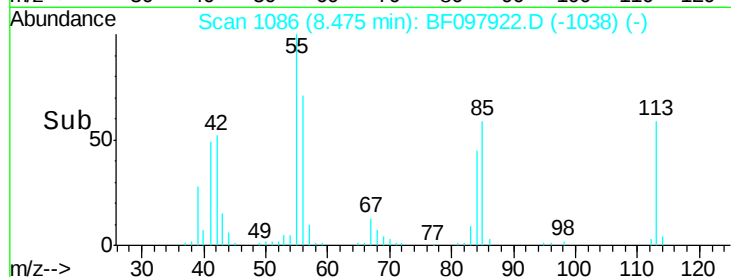
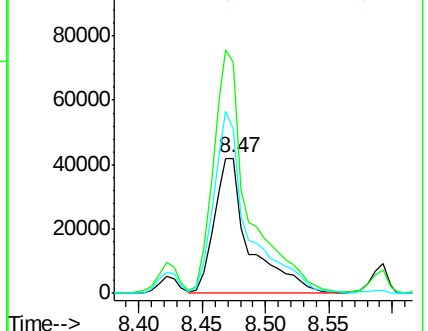
56 121.1 107.8 147.8



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 37.61 ng

RT: 8.59 min Scan# 1106

Delta R.T. 0.01 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

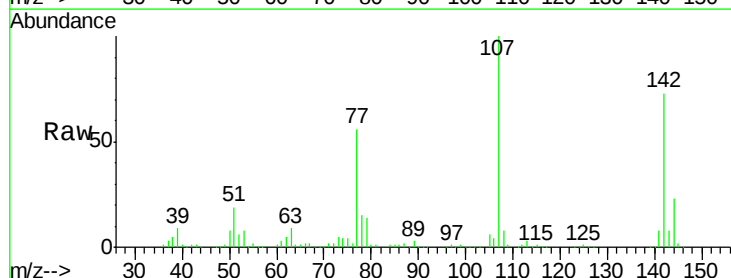
Tgt Ion:107 Resp: 301961

Ion Ratio Lower Upper

107 100

144 23.5 24.2 36.4#

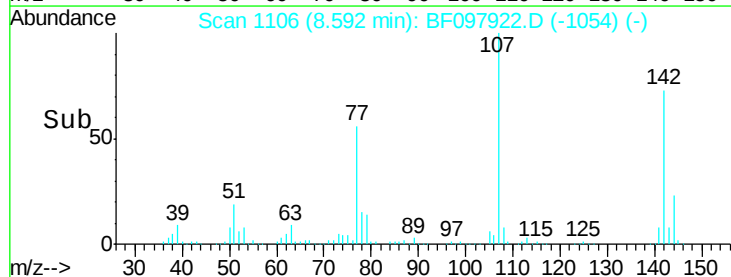
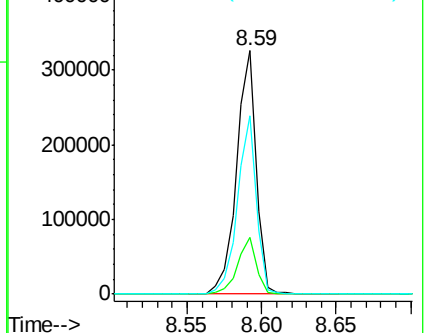
142 73.0 73.4 110.0#

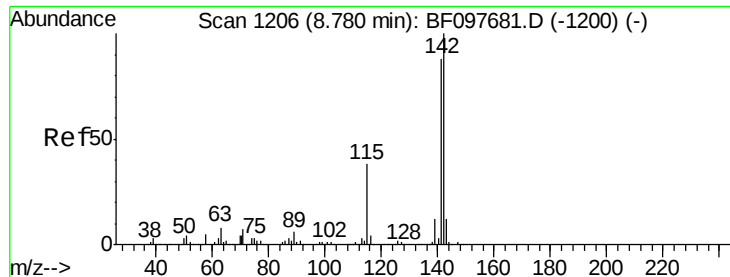


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

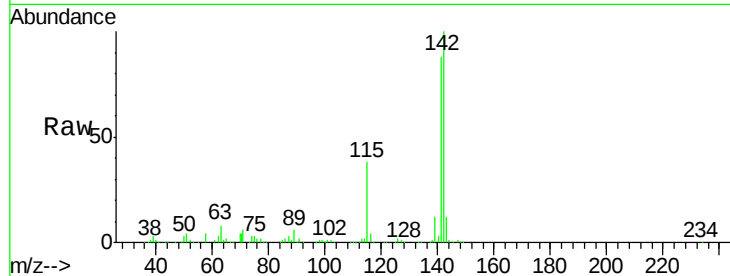




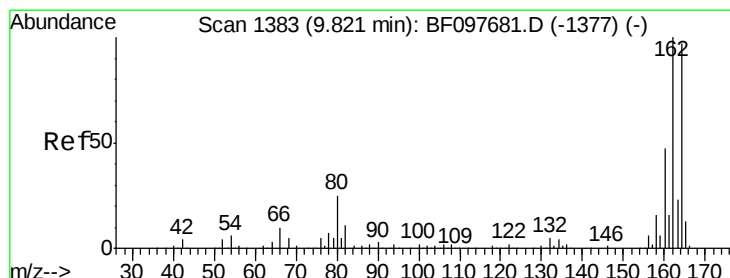
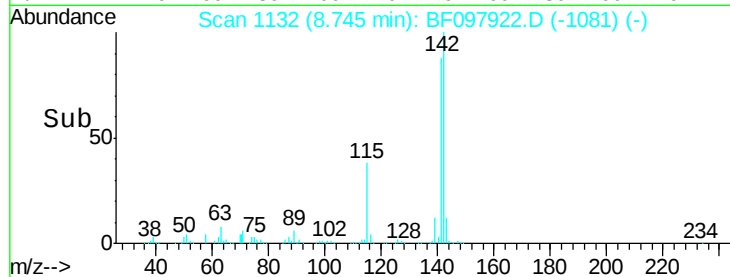
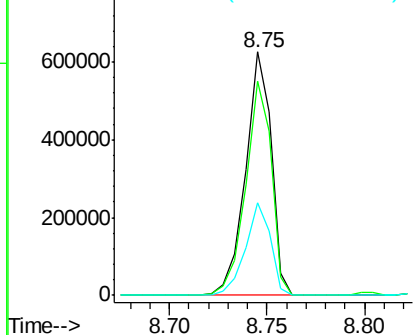
#37
 2-Methylnaphthalene
 Concen: 38.06 ng
 RT: 8.75 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.3	106.9
115	38.3	27.1	40.7

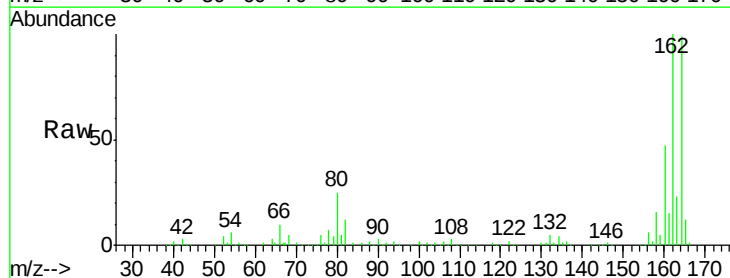


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

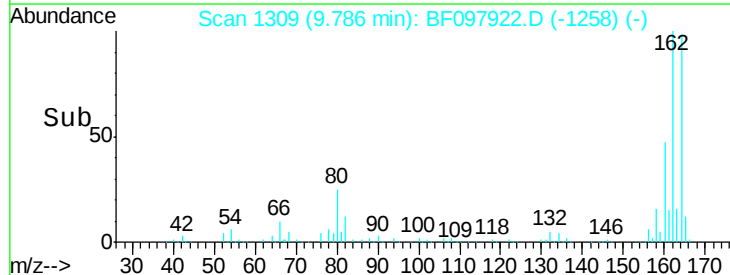
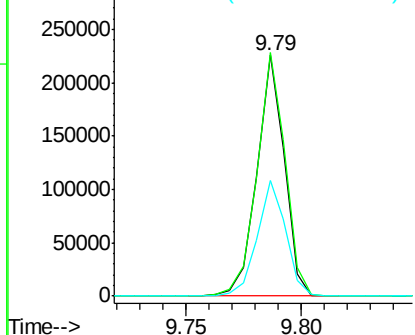


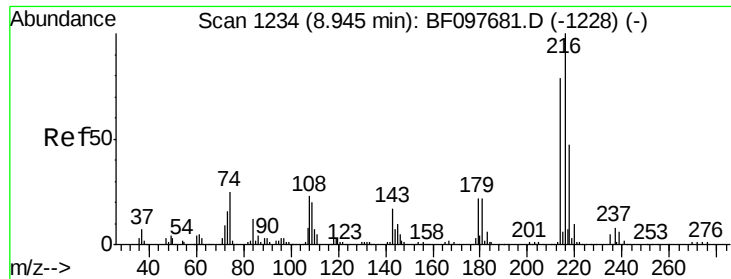
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.6	123.8
160	48.0	36.2	54.2



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





#39

1,2,4,5-Tetrachlorobenzene

Concen: 40.34 ng

RT: 8.91 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MS

Tot Ion:216 Resp: 231965

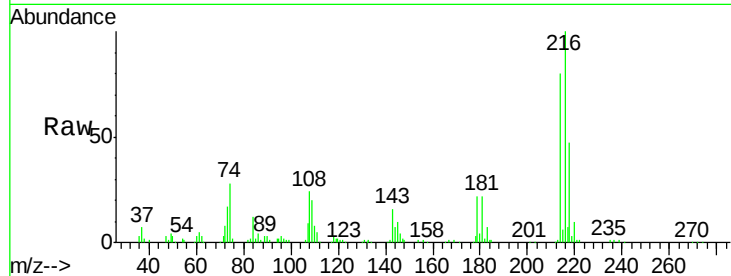
Ion Ratio Lower Upper

216 100

214 79.1 63.4 95.2

179 21.5 17.9 26.9

108 23.7 16.5 24.7

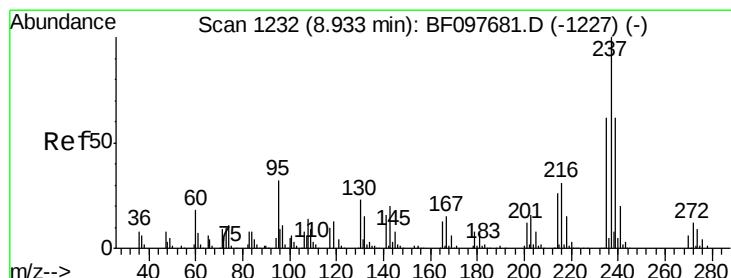
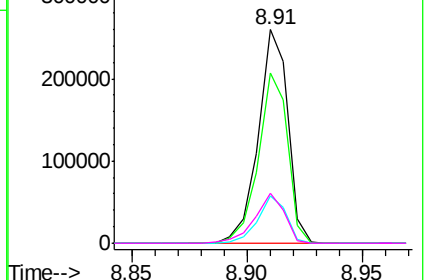
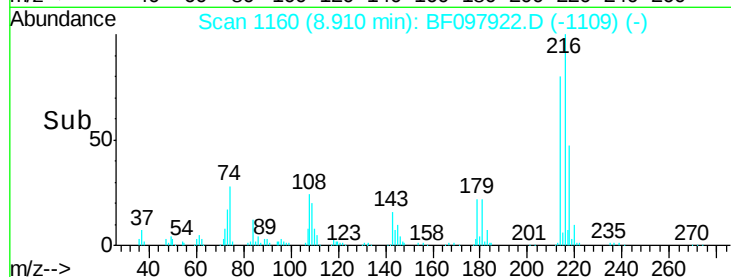


Abundance Ion 216.00 (215.70 to 216.70): E

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: 25.78 ng

RT: 8.90 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

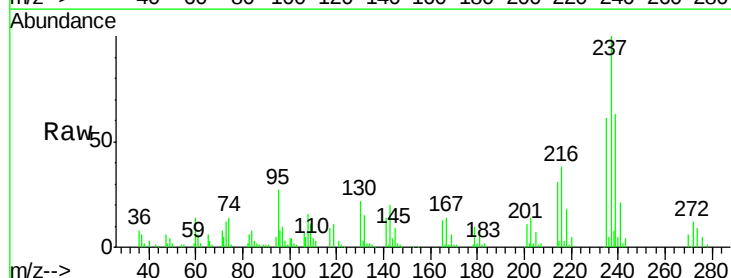
Tgt Ion:237 Resp: 71209

Ion Ratio Lower Upper

237 100

235 60.7 42.6 82.6

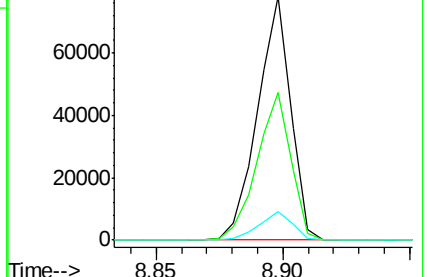
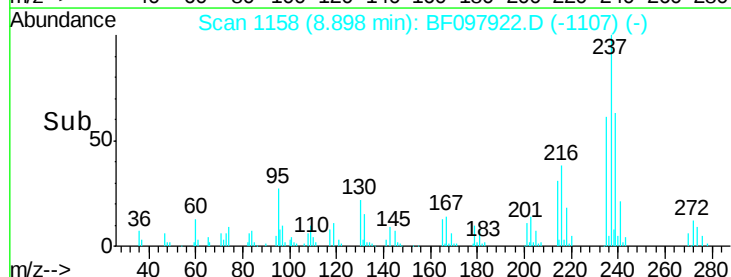
272 11.8 0.0 31.9

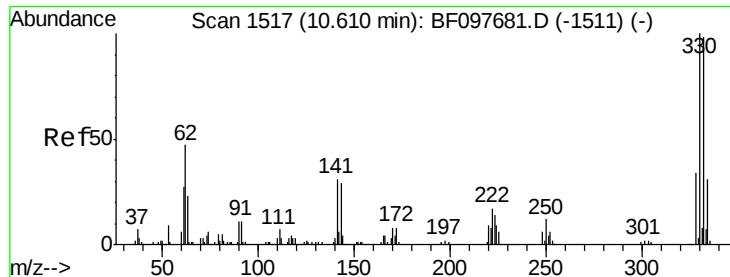


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

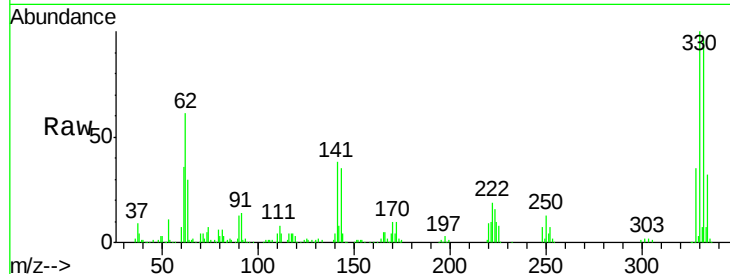




#41
 2,4,6-Tribromophenol
 Concen: 122.70 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.6	115.0
141	39.5	31.4	47.2

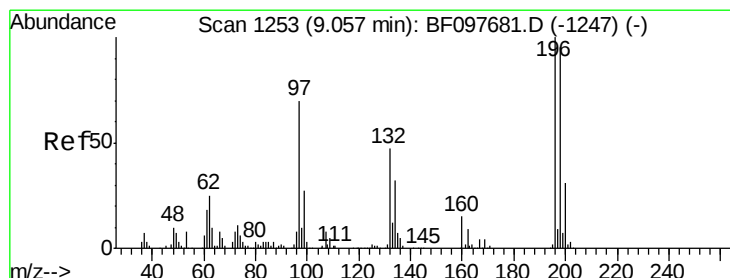
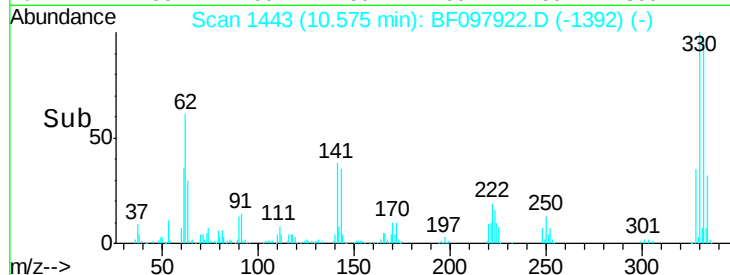
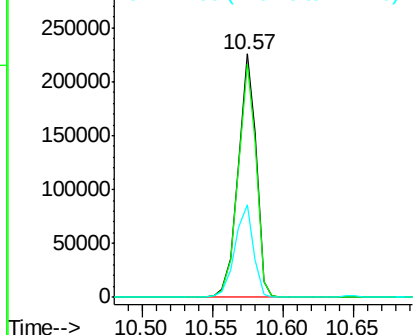


Abundance

Ion 329.80 (329.50 to 330.50): E

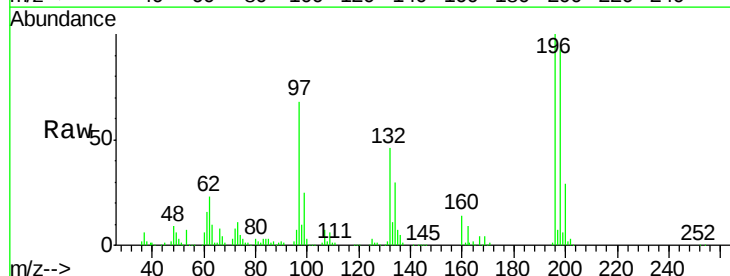
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42
 2,4,6-Trichlorophenol
 Concen: 42.59 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Lower	Upper
196	100		
198	93.1	74.2	111.4
200	29.3	24.0	36.0

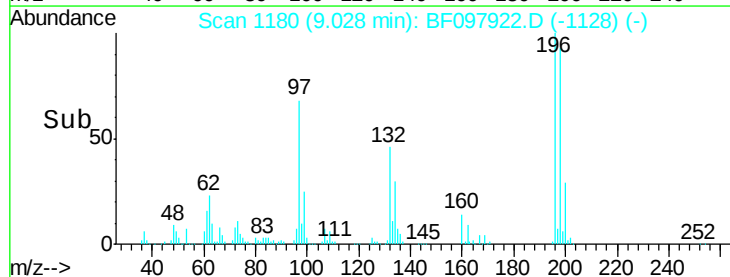
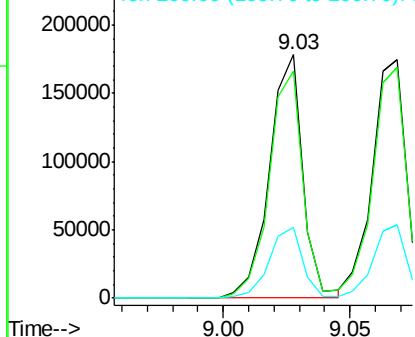


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

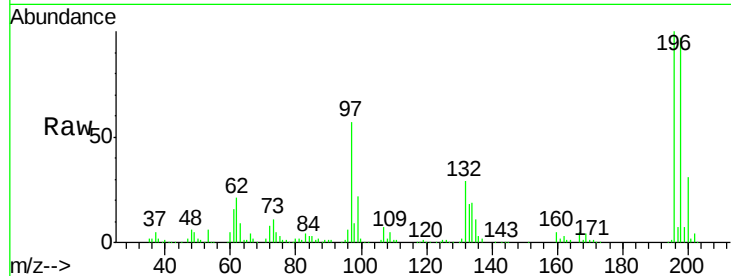




#43
 2,4,5-Trichlorophenol
 Concen: 43.10 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Tot Ion	Ratio	Lower	Upper
196	100		
198	96.8	75.7	113.5
97	57.2	47.7	71.5
132	28.8	28.0	42.0



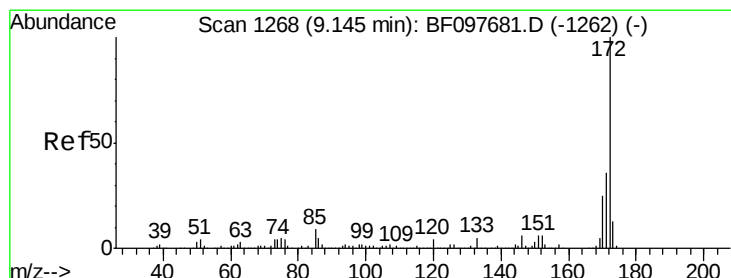
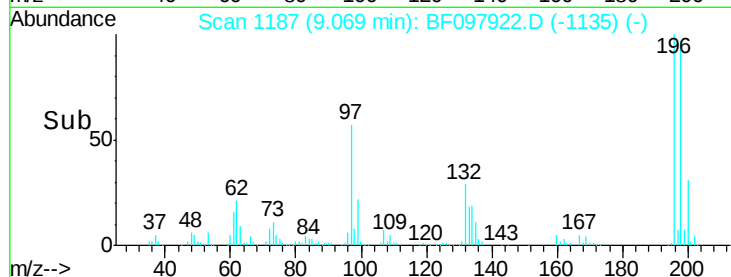
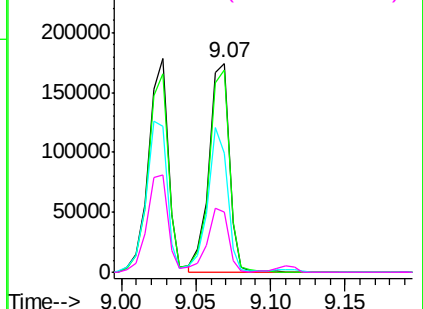
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

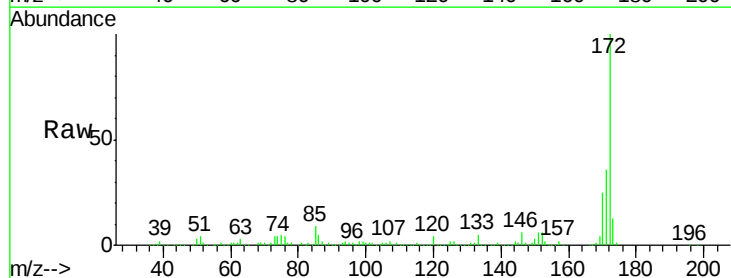
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 87.06 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	24.7	19.8	29.8

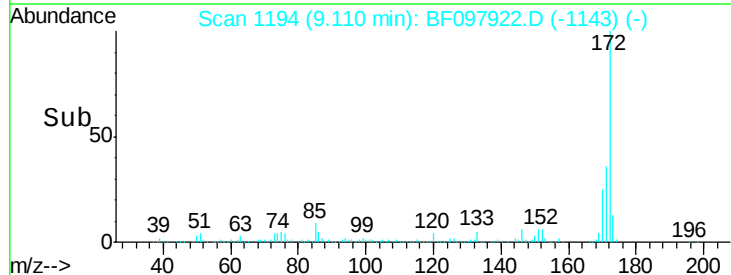
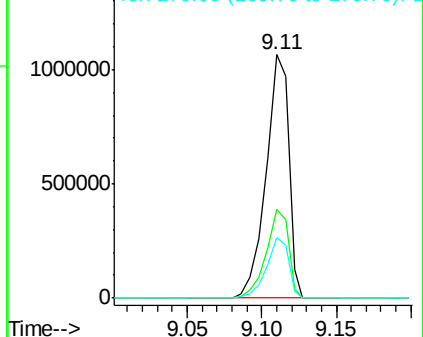


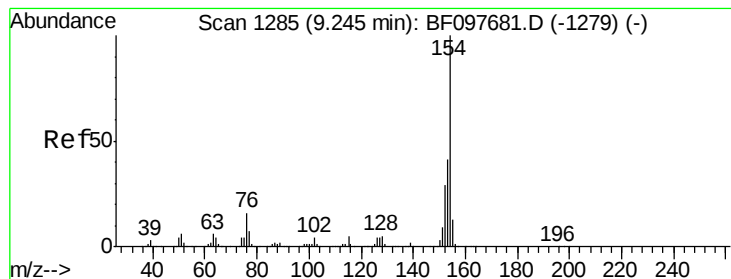
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 38.86 ng

RT: 9.21 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MS

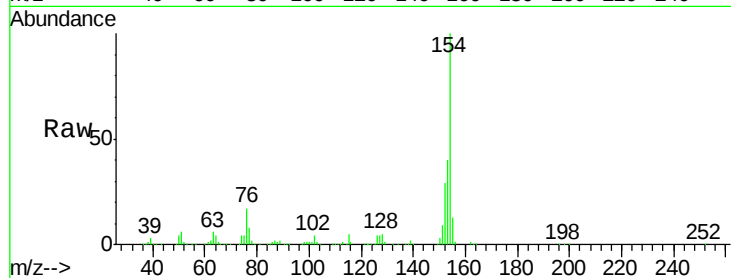
Tot Ion:154 Resp: 663890

Ion Ratio Lower Upper

154 100

153 40.3 21.2 61.2

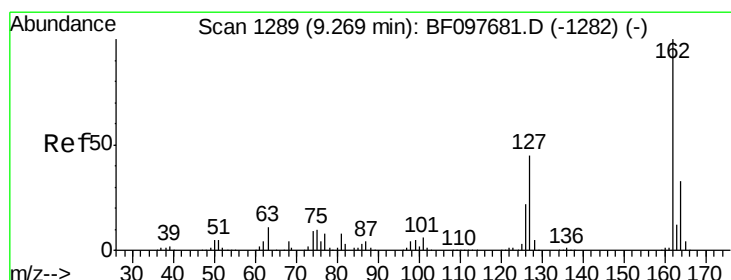
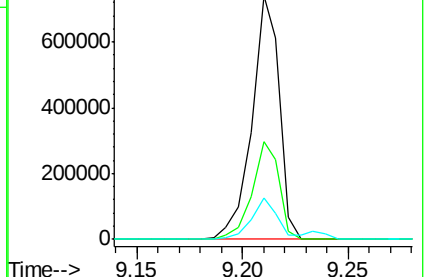
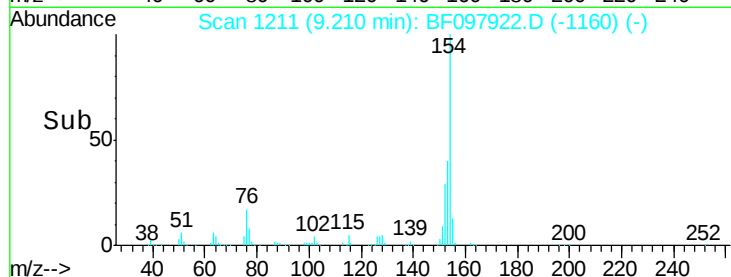
76 16.8 0.0 29.9



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: 37.93 ng

RT: 9.23 min Scan# 1215

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

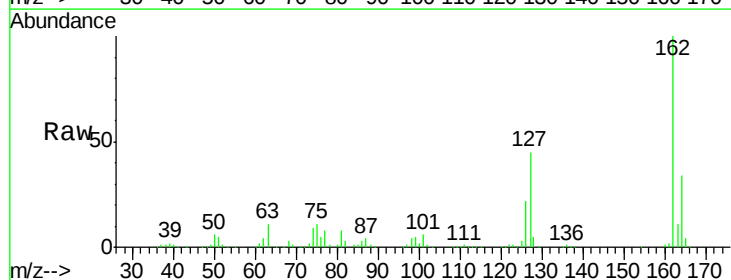
Tgt Ion:162 Resp: 478786

Ion Ratio Lower Upper

162 100

127 44.5 28.3 42.5#

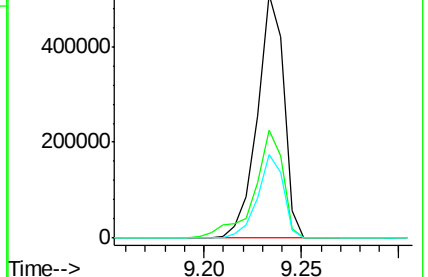
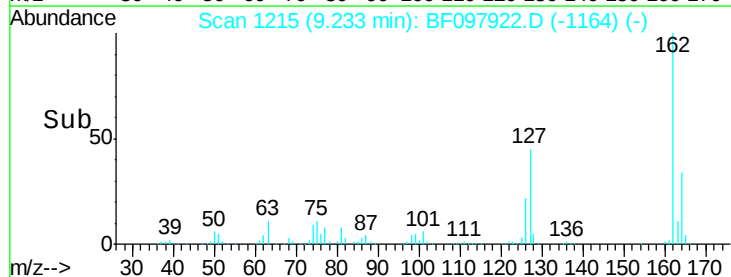
164 34.1 27.0 40.4

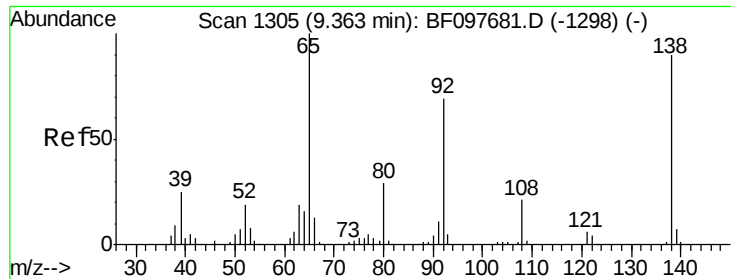


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

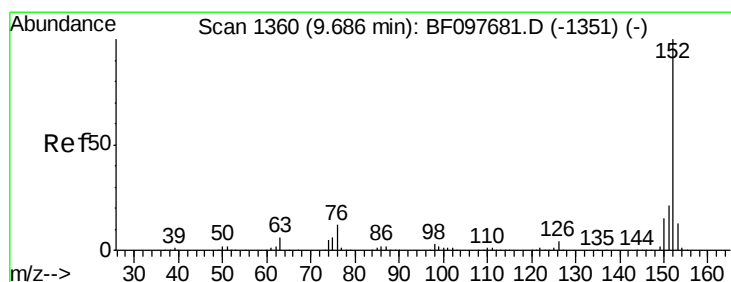
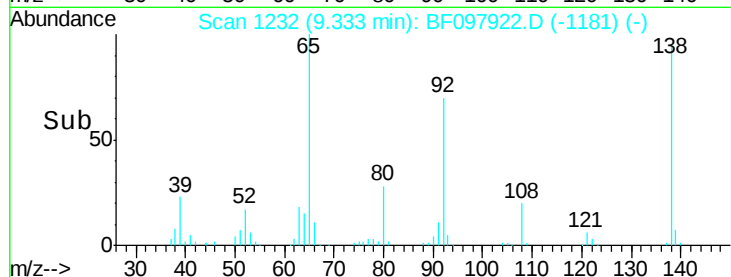
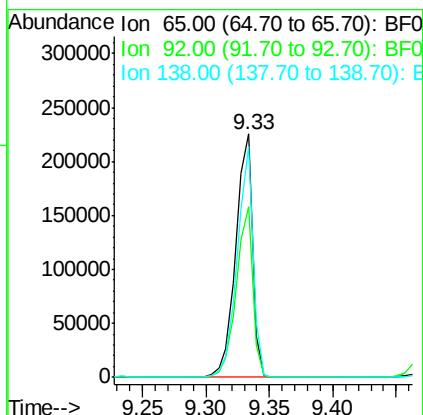
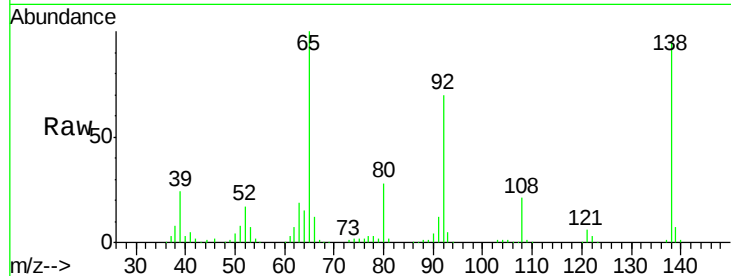




#47
2-Nitroaniline
Concen: 48.68 ng
RT: 9.33 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

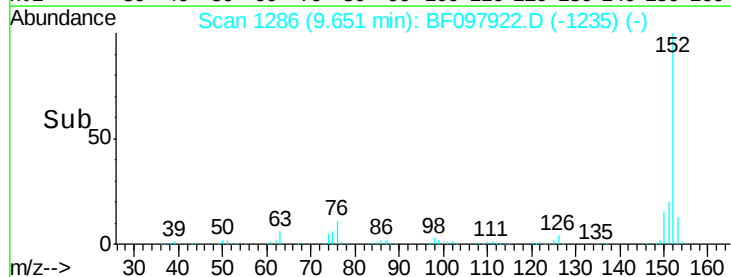
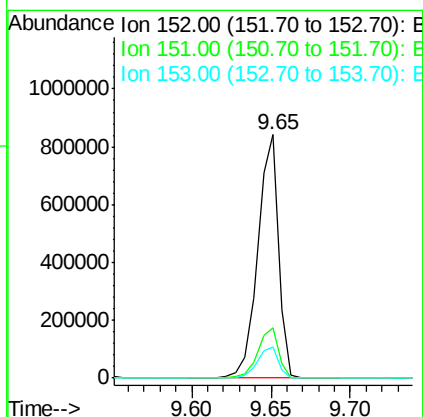
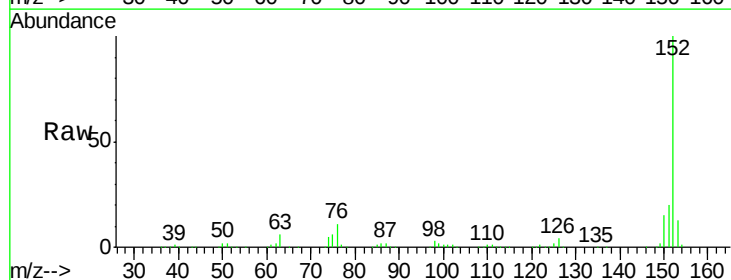
Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

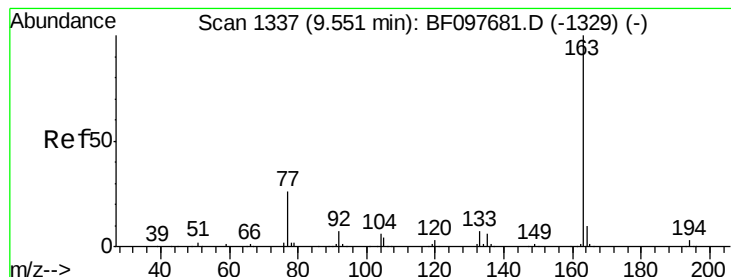
Tot Ion: 65 Resp: 206008
Ion Ratio Lower Upper
65 100
92 70.0 53.9 80.9
138 94.8 78.8 118.2



#48
Acenaphthylene
Concen: 38.66 ng
RT: 9.65 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion: 152 Resp: 766473
Ion Ratio Lower Upper
152 100
151 20.4 16.8 25.2
153 12.7 10.8 16.2





#49

Dimethylphthalate

Concen: 58.53 ng

RT: 9.52 min Scan# 1263

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MS

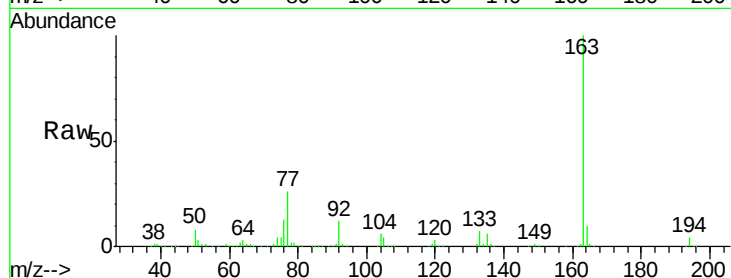
Tot Ion:163 Resp: 801571

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

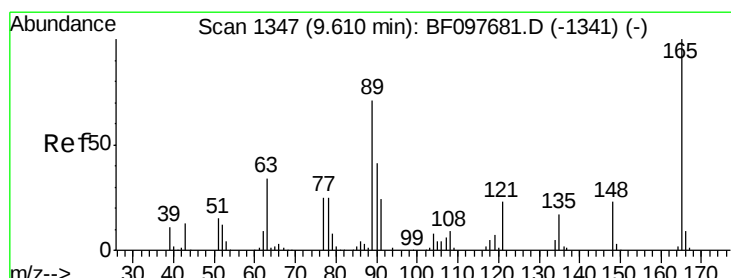
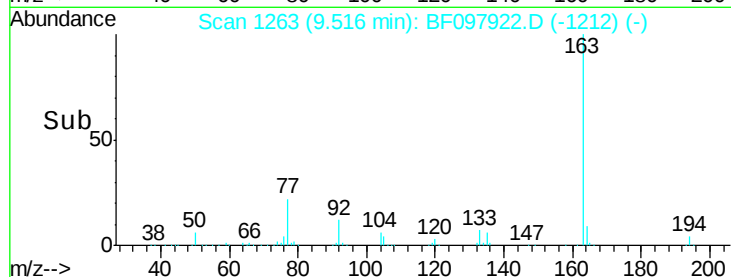
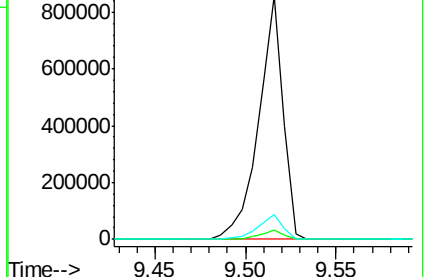
164 10.3 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 41.11 ng

RT: 9.57 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

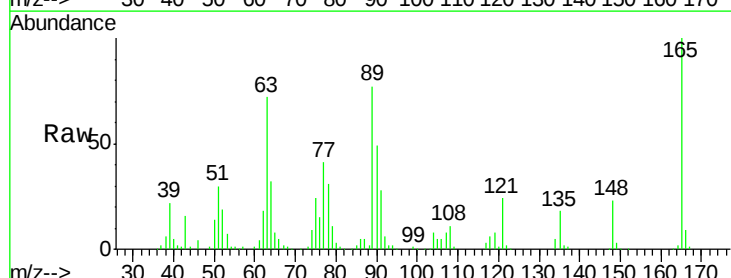
Tgt Ion:165 Resp: 112375

Ion Ratio Lower Upper

165 100

63 72.1 34.3 51.5#

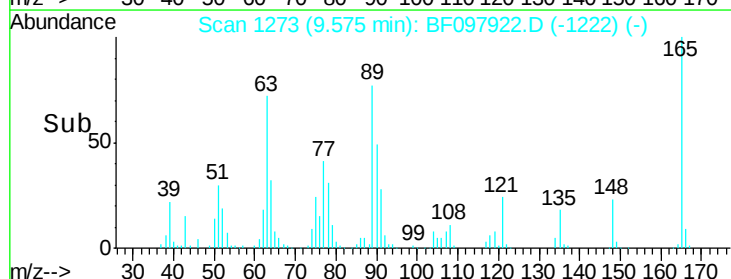
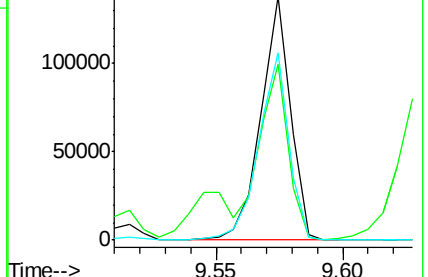
89 77.1 37.1 55.7#

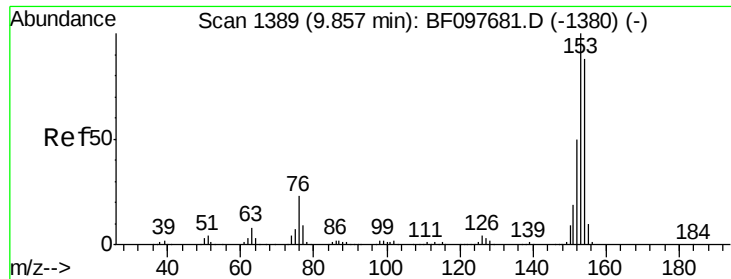


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 36.02 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MS

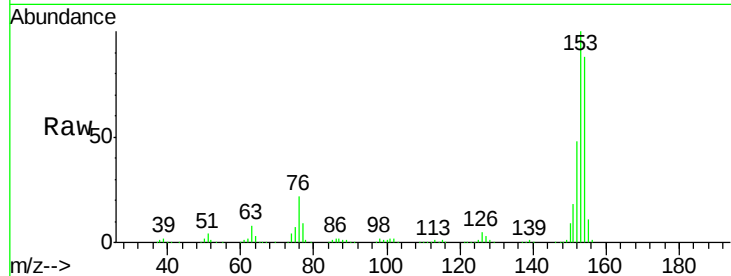
Tot Ion:154 Resp: 450409

Ion Ratio Lower Upper

154 100

153 113.6 90.5 135.7

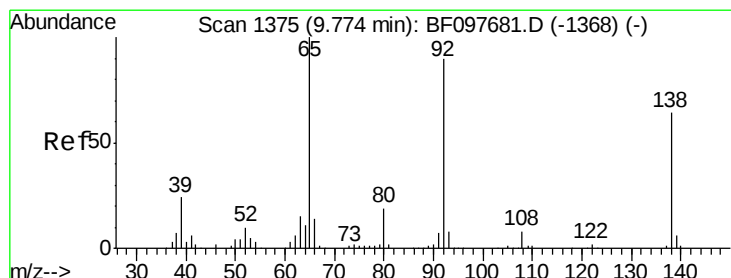
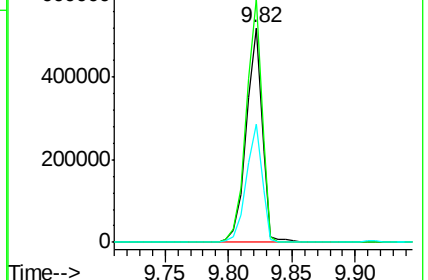
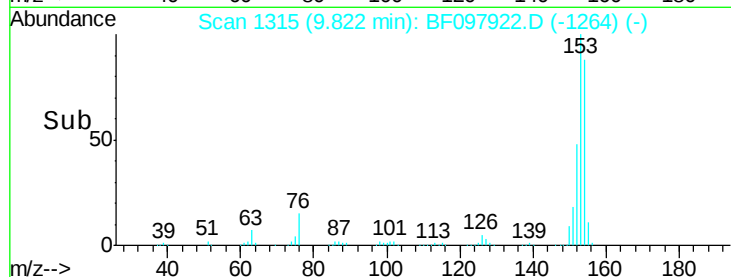
152 55.1 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 40.64 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

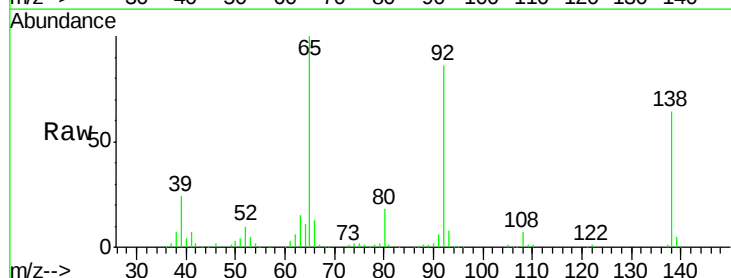
Tgt Ion:138 Resp: 143324

Ion Ratio Lower Upper

138 100

108 10.9 9.1 13.7

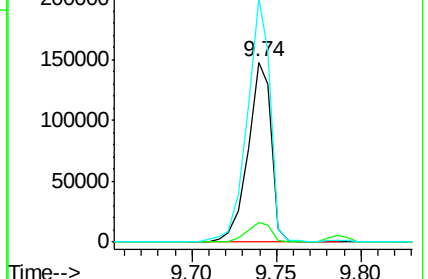
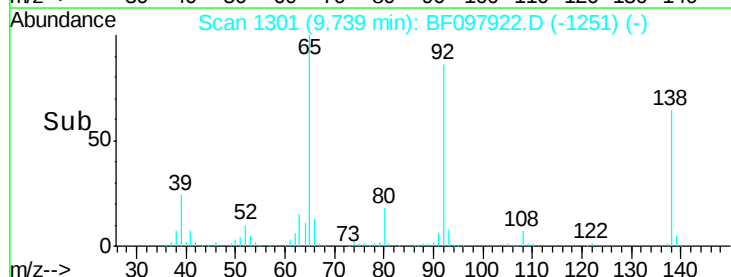
92 135.3 93.8 140.6

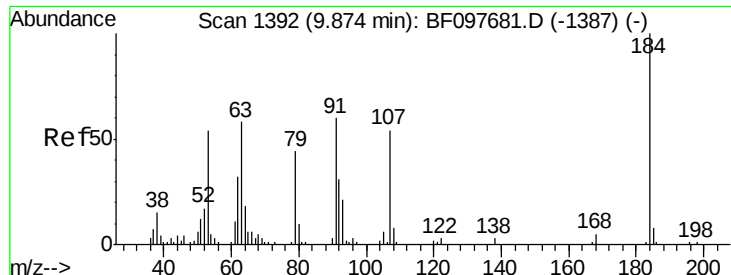


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

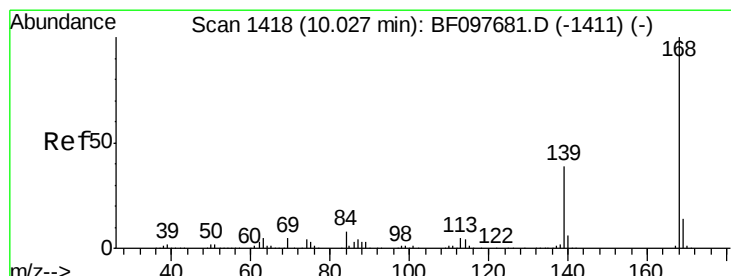
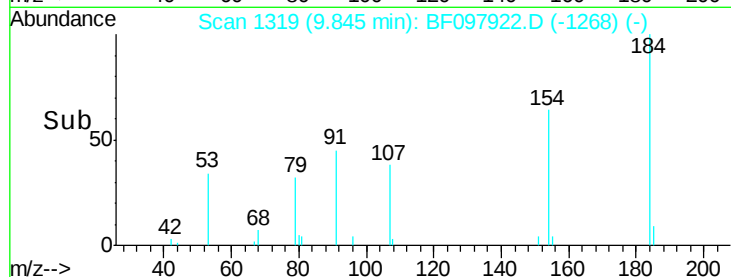
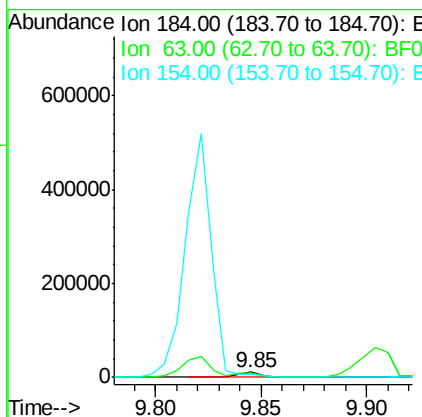
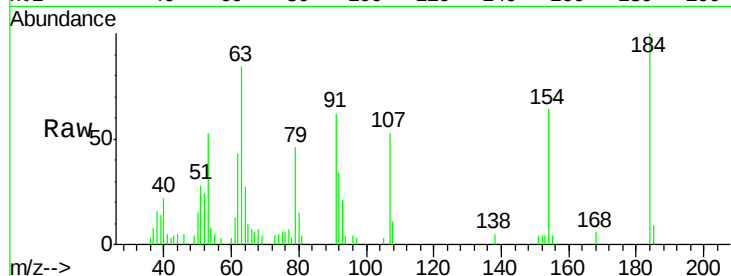




#53
 2,4-Dinitrophenol
 Concen: 16.67 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

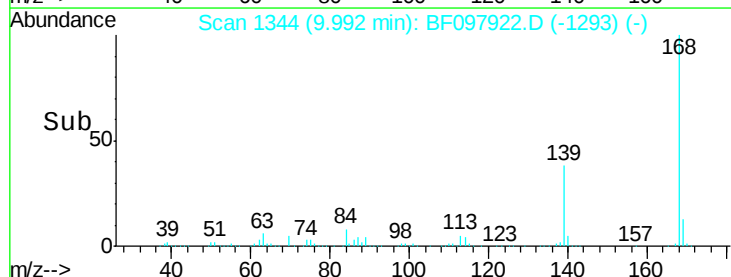
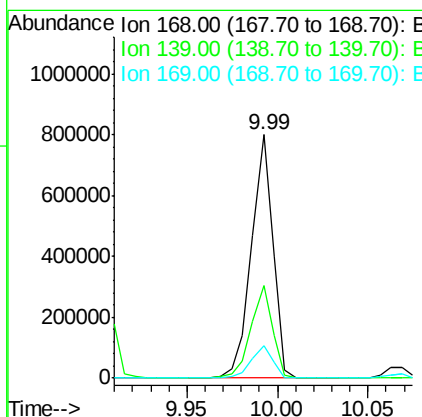
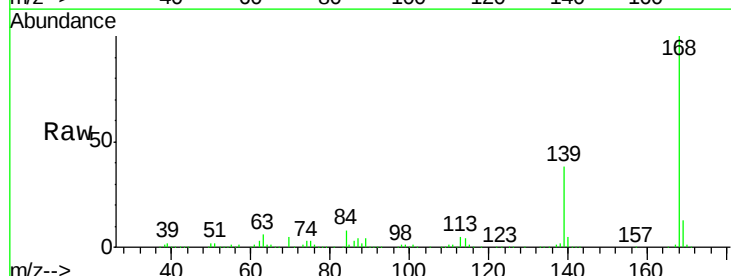
Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

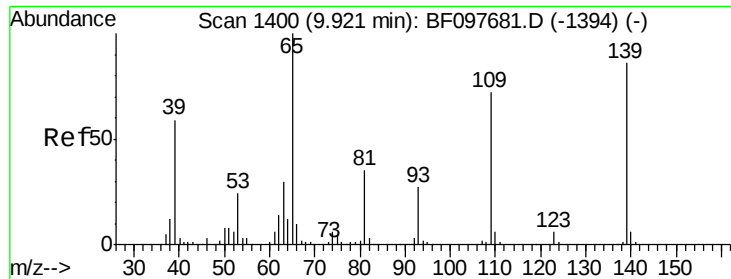
Tot Ion:184 Resp: 9722
 Ion Ratio Lower Upper
 184 100
 63 84.1 62.7 94.1
 154 64.4 81.1 121.7#



#54
 Dibenzofuran
 Concen: 39.52 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion:168 Resp: 662276
 Ion Ratio Lower Upper
 168 100
 139 38.2 30.6 45.8
 169 13.2 10.8 16.2

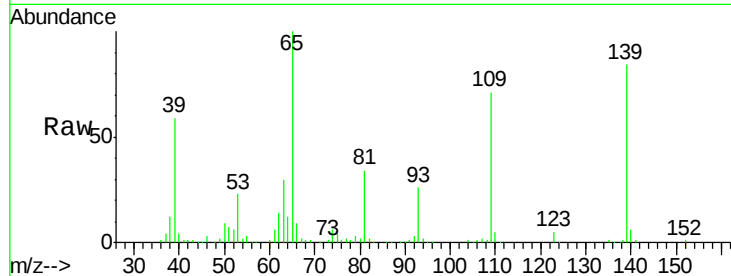




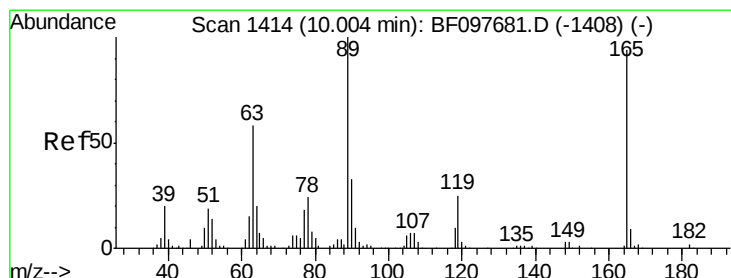
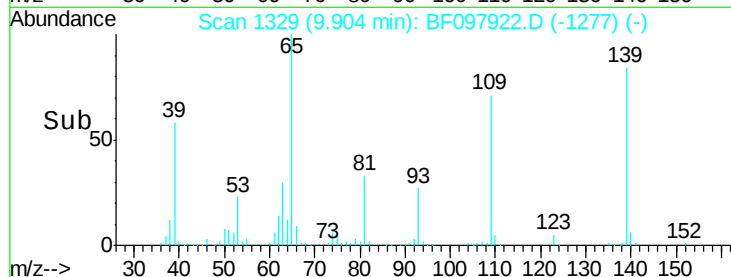
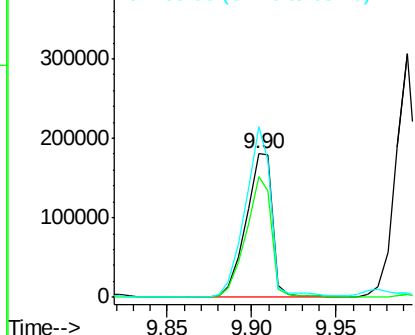
#55
4-Nitrophenol
Concen: 70.71 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.01 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

Tot Ion:139 Resp: 198959
Ion Ratio Lower Upper
139 100
109 84.3 34.1 74.1#
65 119.5 31.4 71.4#

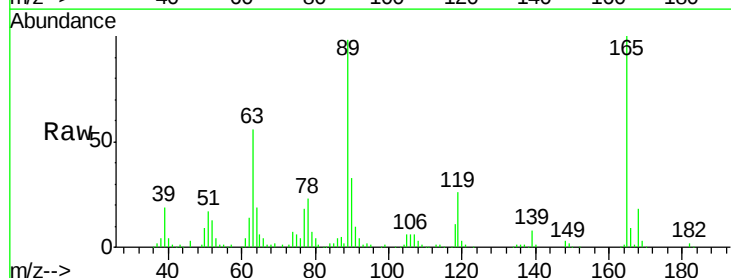


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

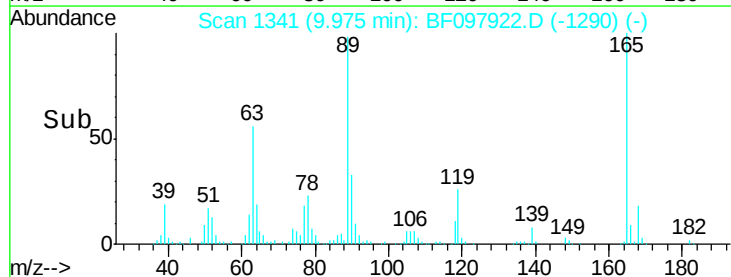
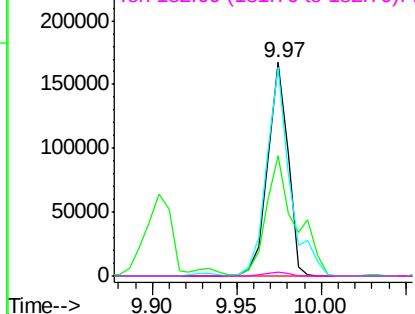


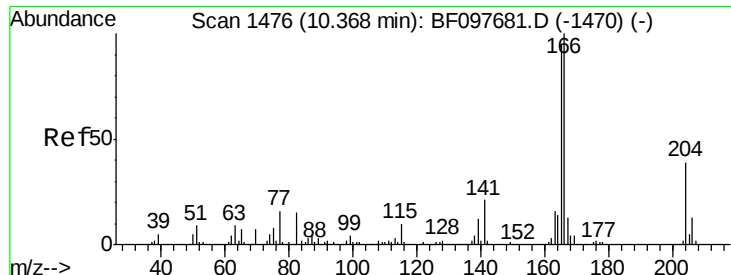
#56
2,4-Dinitrotoluene
Concen: 40.30 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion:165 Resp: 138262
Ion Ratio Lower Upper
165 100
63 56.1 25.4 38.0#
89 97.6 46.4 69.6#
182 1.9 1.8 2.6



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

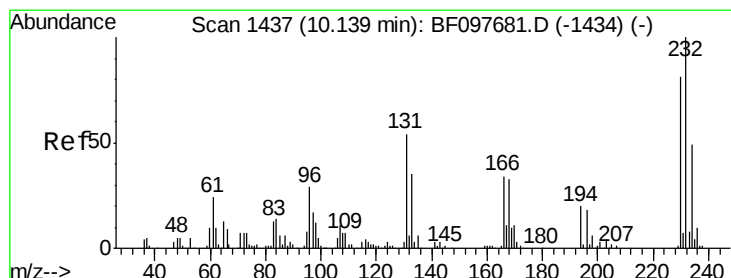
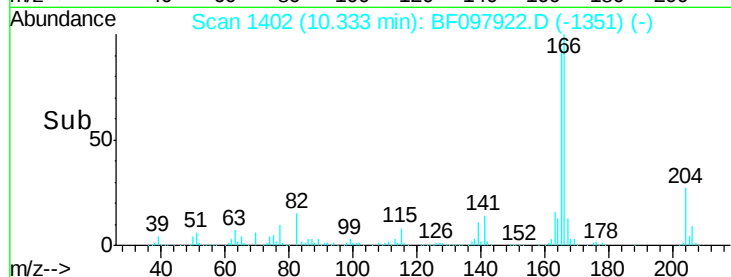
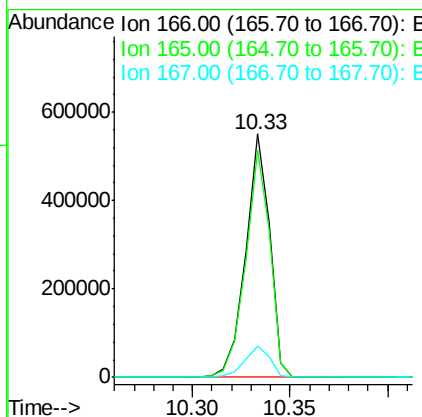
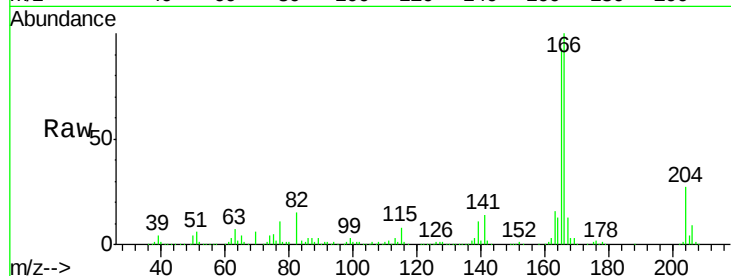




#57
Fluorene
 Concen: 36.17 ng
 RT: 10.33 min Scan# 1402
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

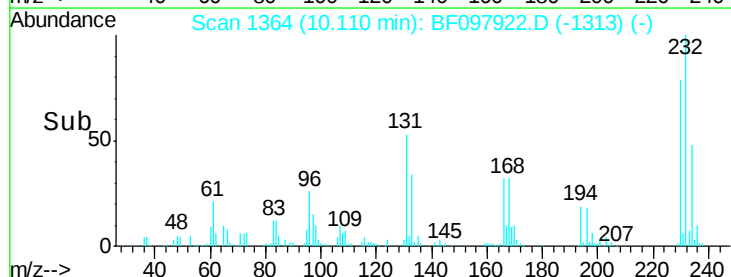
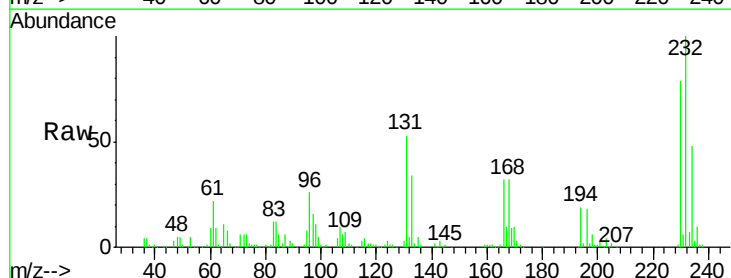
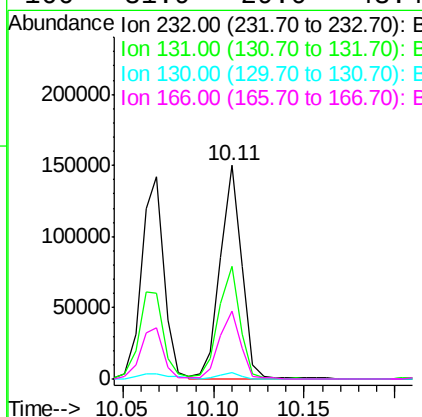
Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

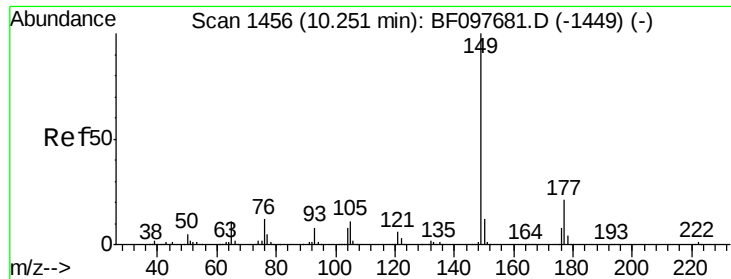
Tot Ion:166 Resp: 468577
 Ion Ratio Lower Upper
 166 100
 165 93.4 78.8 118.2
 167 12.9 10.6 16.0



#58
2,3,4,6-Tetrachlorophenol
 Concen: 41.93 ng
 RT: 10.11 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion:232 Resp: 124331
 Ion Ratio Lower Upper
 232 100
 131 52.9 44.8 67.2
 130 2.8 2.3 3.5
 166 31.9 29.0 43.4

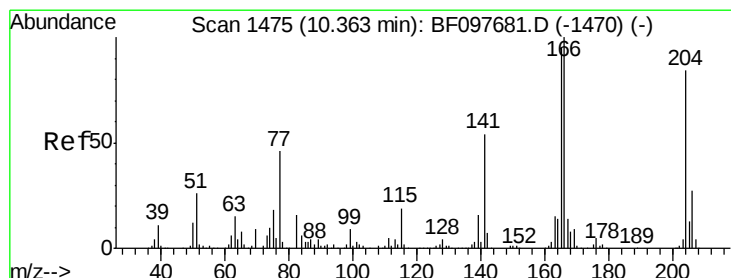
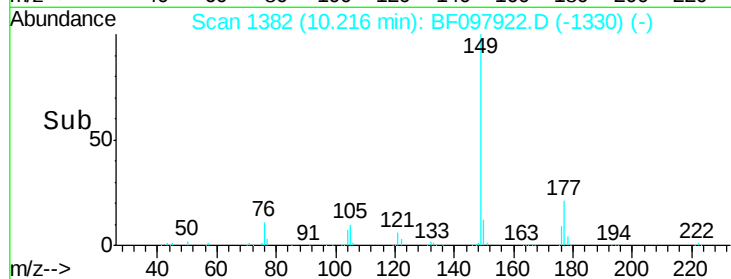
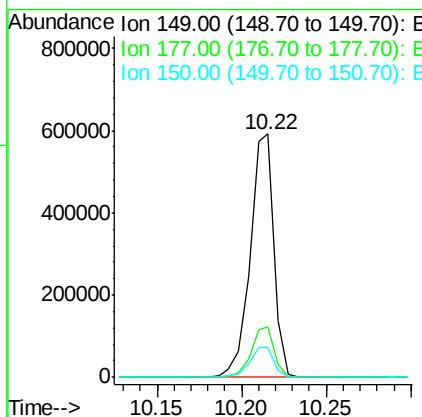
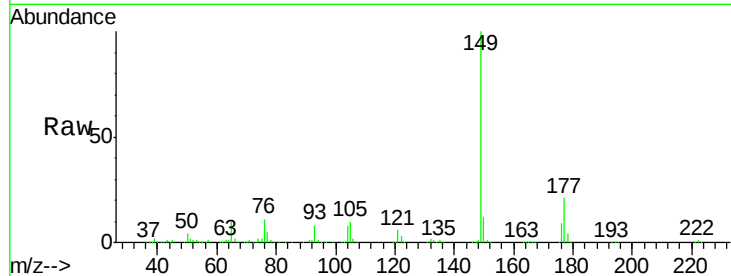




#59
Diethylphthalate
Concen: 40.44 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.01 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

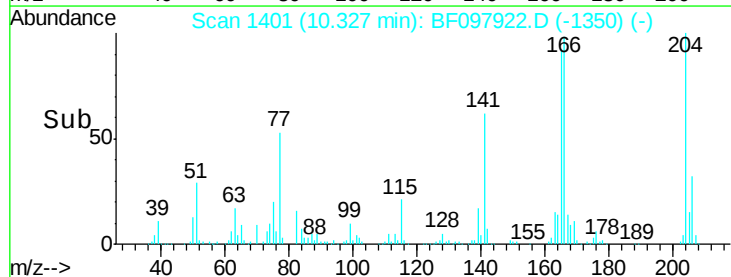
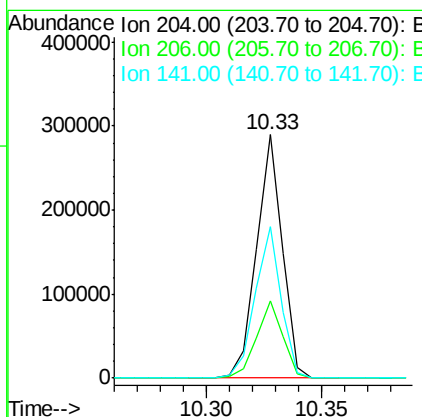
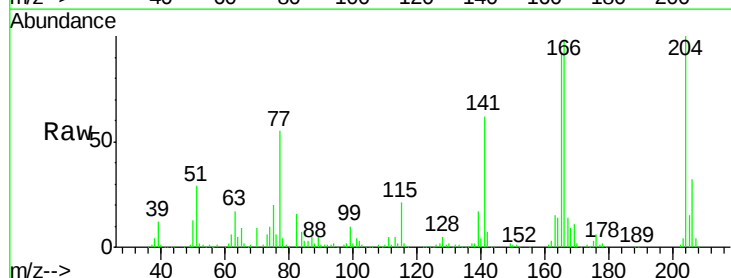
Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

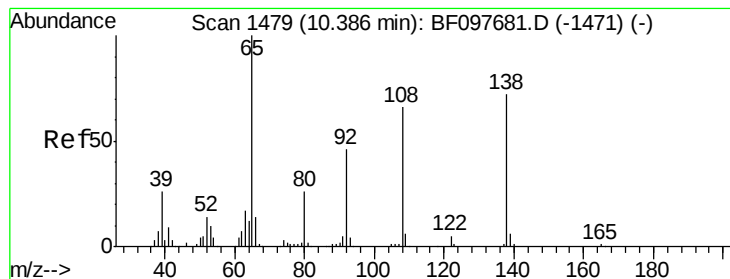
Tot Ion:149 Resp: 579122
Ion Ratio Lower Upper
149 100
177 20.8 16.7 25.1
150 12.2 10.2 15.2



#60
4-Chlorophenyl-phenylether
Concen: 37.60 ng
RT: 10.33 min Scan# 1401
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion:204 Resp: 226329
Ion Ratio Lower Upper
204 100
206 31.8 26.2 39.2
141 62.2 60.8 91.2





#61

4-Nitroaniline

Concen: 40.57 ng

RT: 10.35 min Scan# 1405

Delta R.T. -0.01 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MS

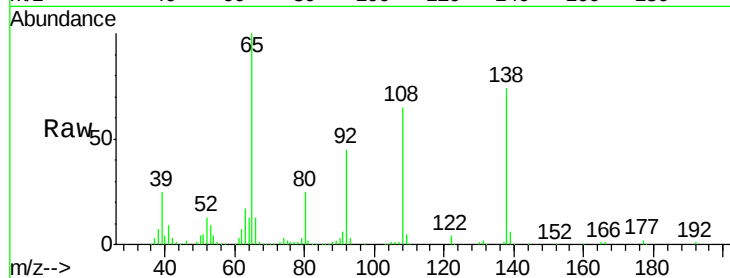
Tot Ion:138 Resp: 136005

Ion Ratio Lower Upper

138 100

92 61.7 21.8 61.8

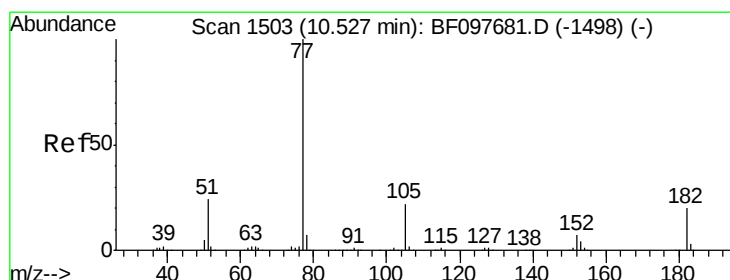
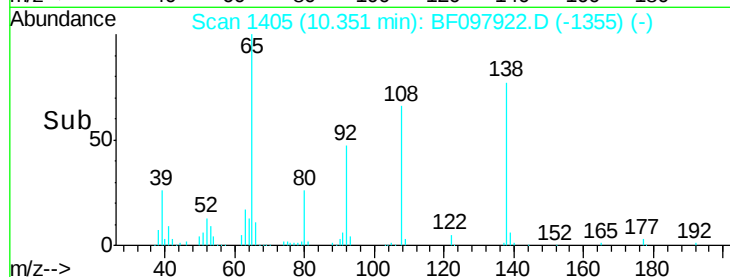
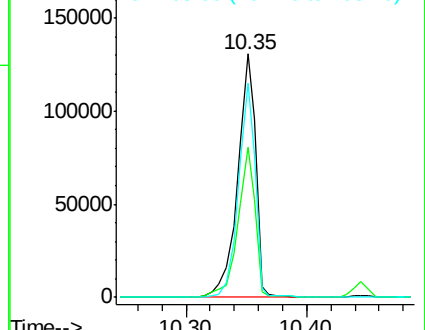
108 88.1 42.3 82.3#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 38.98 ng

RT: 10.49 min Scan# 1428

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Tgt Ion: 77 Resp: 663083

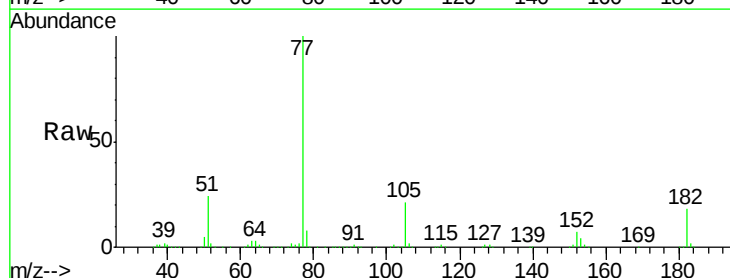
Ion Ratio Lower Upper

77 100

182 17.6 0.1 40.1

105 20.8 3.6 43.6

51 24.2 9.4 49.4

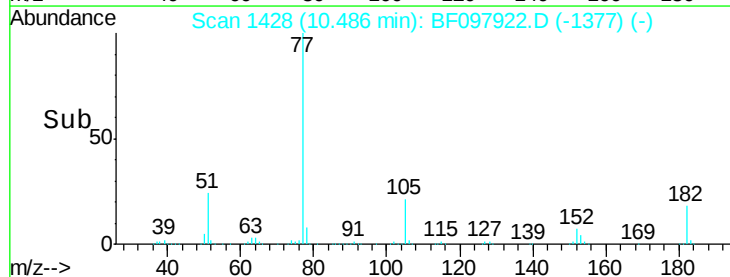
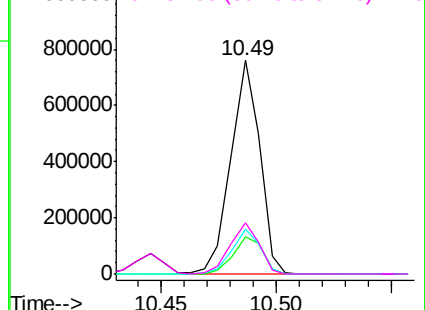


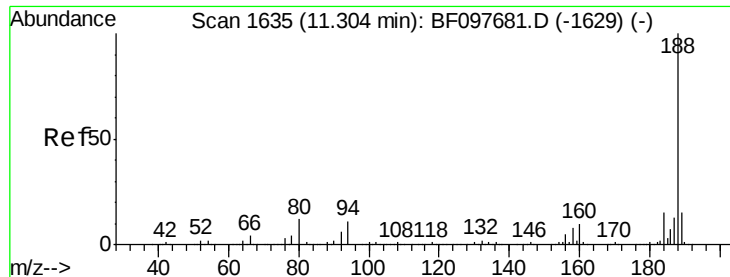
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

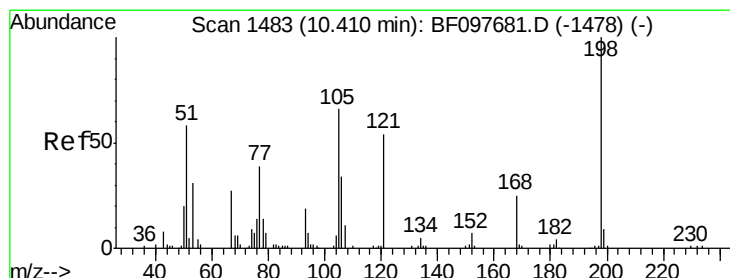
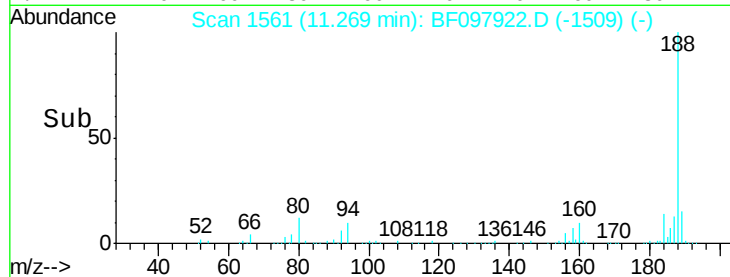
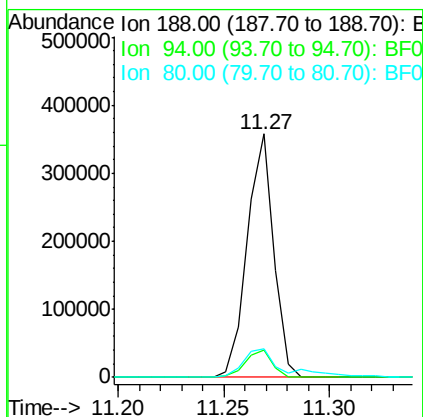
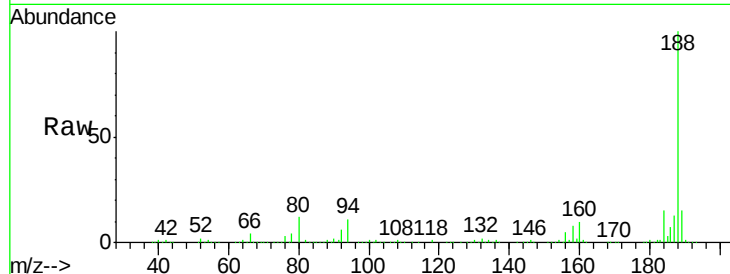




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.01 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

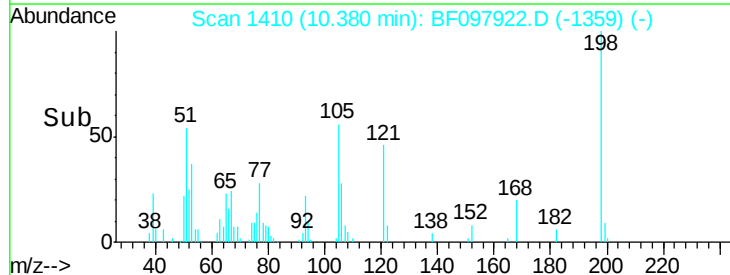
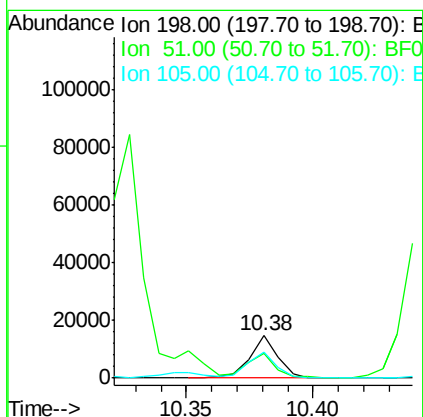
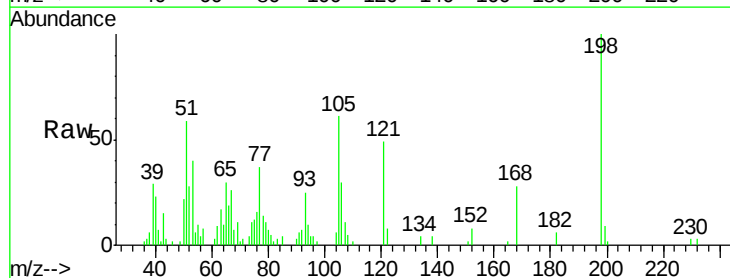
Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

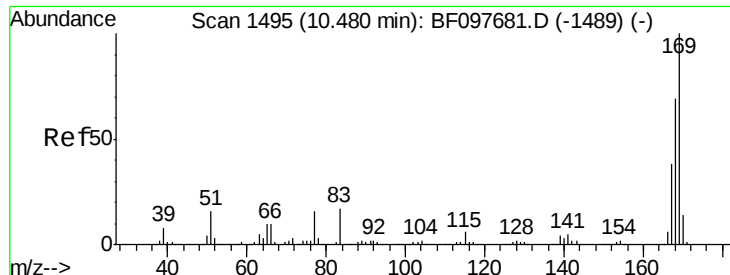
Tot Ion:188 Resp: 310505
Ion Ratio Lower Upper
188 100
94 11.0 9.4 14.2
80 11.9 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 14.73 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion:198 Resp: 11340
Ion Ratio Lower Upper
198 100
51 59.3 53.2 93.2
105 60.7 45.8 85.8

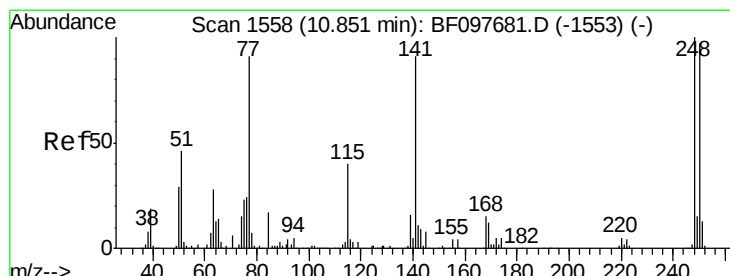
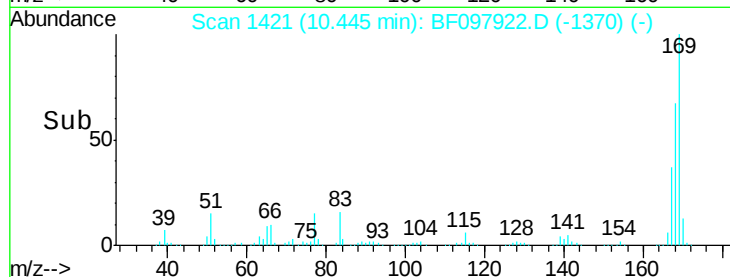
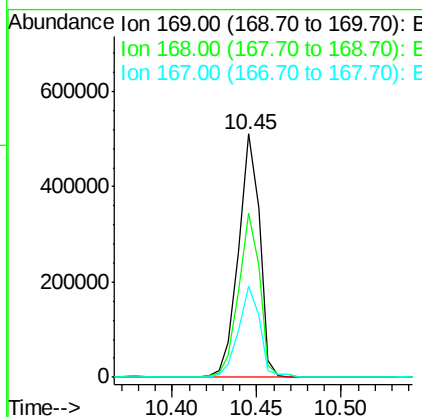
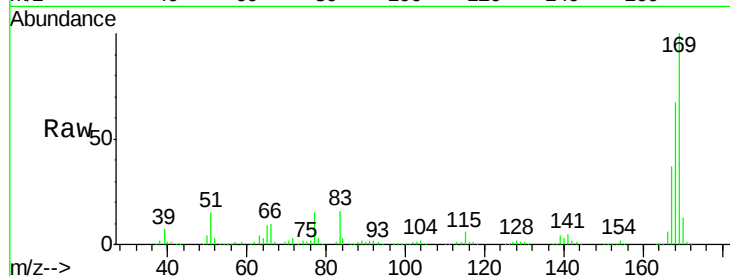




#65
 n-Nitrosodiphenylamine
 Concen: 42.07 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

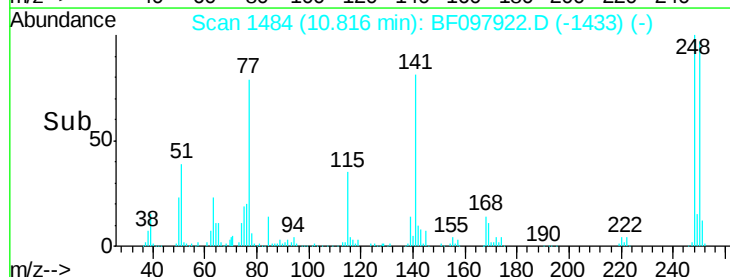
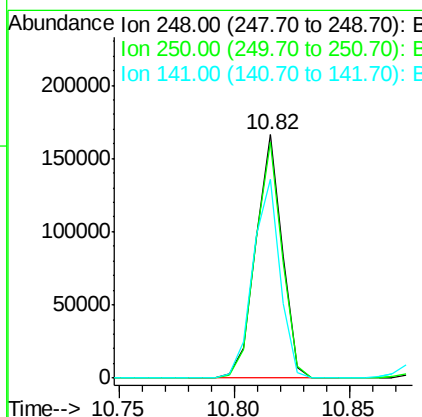
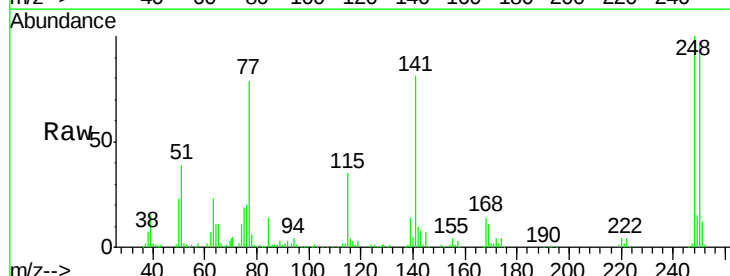
Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Tot Ion:169 Resp: 444836
 Ion Ratio Lower Upper
 169 100
 168 67.4 53.2 79.8
 167 37.5 29.5 44.3



#66
 4-Bromophenyl-phenylether
 Concen: 41.21 ng
 RT: 10.82 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion:248 Resp: 132884
 Ion Ratio Lower Upper
 248 100
 250 97.0 76.8 115.2
 141 81.5 68.6 103.0

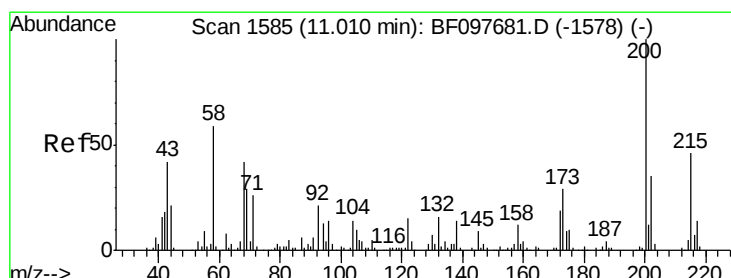
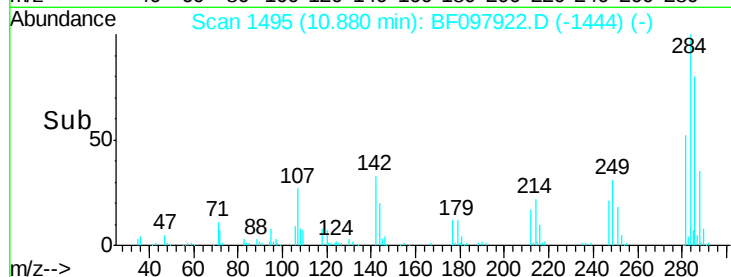
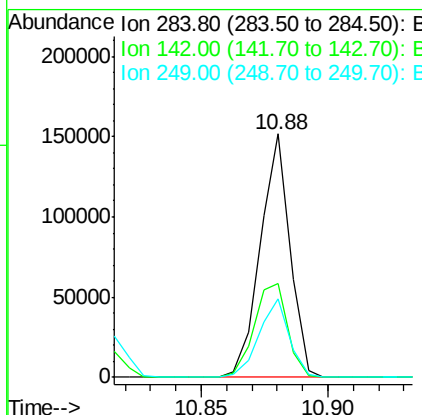
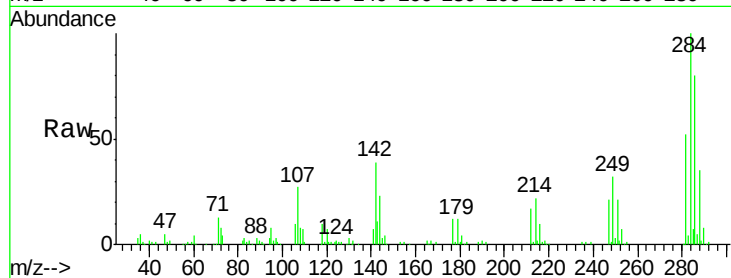




#67
Hexachlorobenzene
Concen: 37.63 ng
RT: 10.88 min Scan# 1495
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

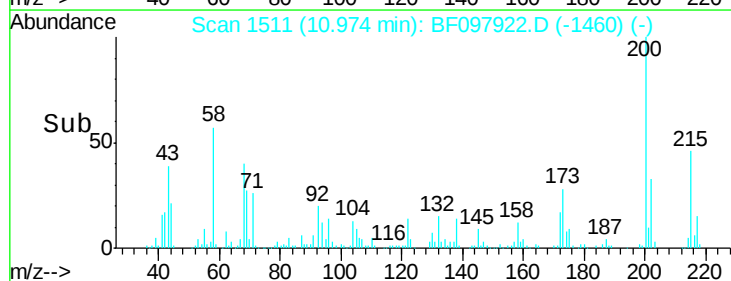
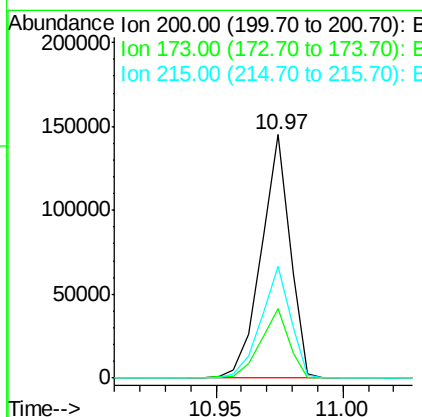
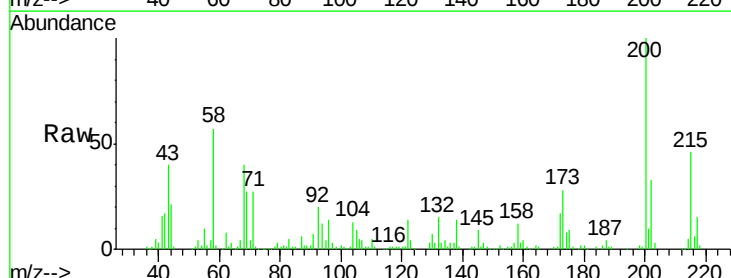
Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

Tot Ion	Ratio	Lower	Upper
284	100		
142	38.6	22.8	34.2
249	32.2	24.0	36.0



#68
Atrazine
Concen: 41.37 ng
RT: 10.97 min Scan# 1511
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Lower	Upper
200	100		
173	28.5	6.3	46.3
215	46.2	27.2	67.2

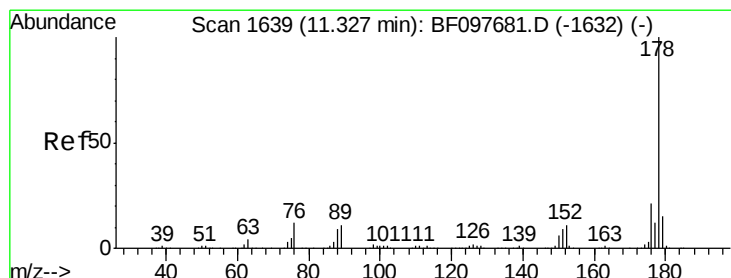
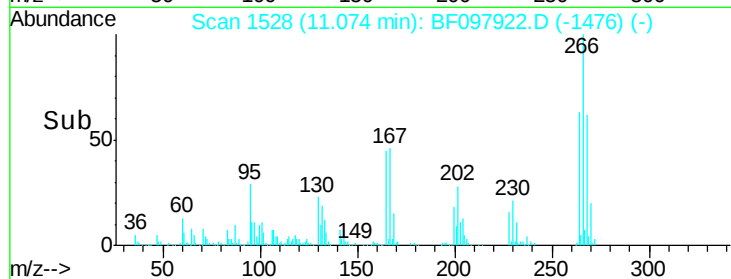
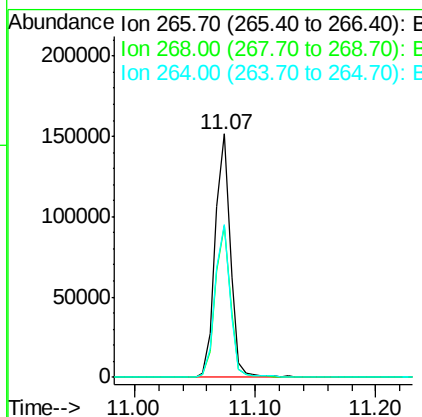
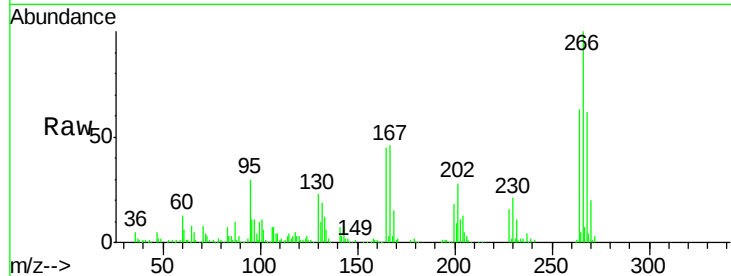




#69
 Pentachlorophenol
 Concen: 68.16 ng
 RT: 11.07 min Scan# 1528
 Delta R.T. 0.01 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

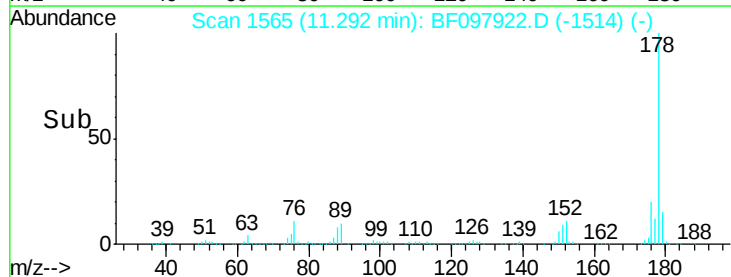
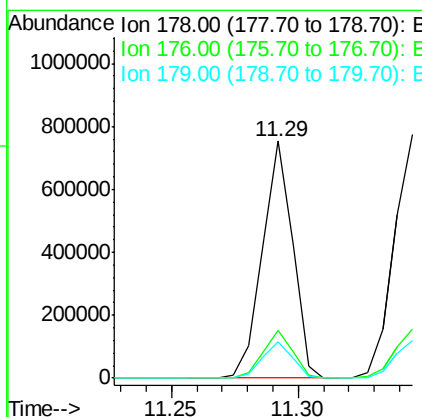
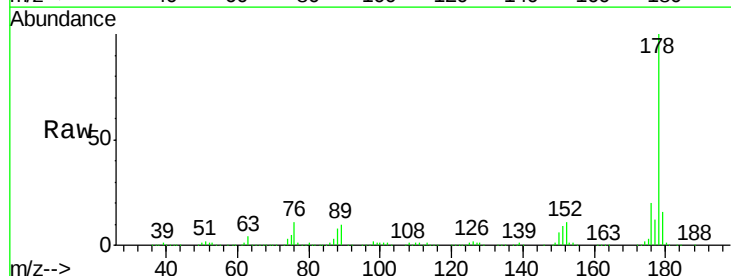
Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

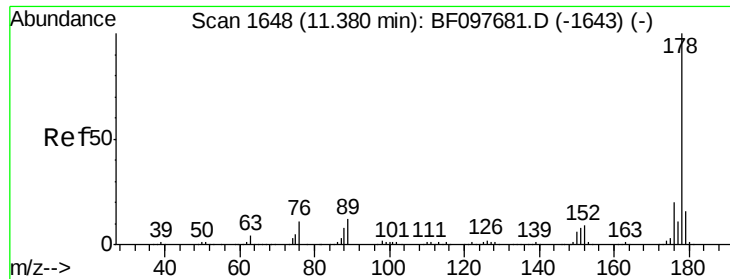
Tot Ion:266 Resp: 130603
 Ion Ratio Lower Upper
 266 100
 268 62.4 51.1 76.7
 264 62.8 51.7 77.5



#70
 Phenanthrene
 Concen: 37.83 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion:178 Resp: 626012
 Ion Ratio Lower Upper
 178 100
 176 20.4 16.2 24.4
 179 15.6 12.6 19.0

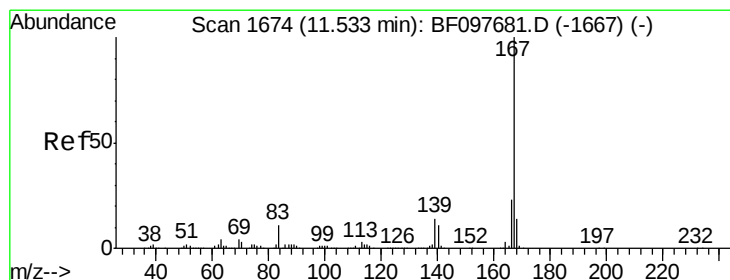
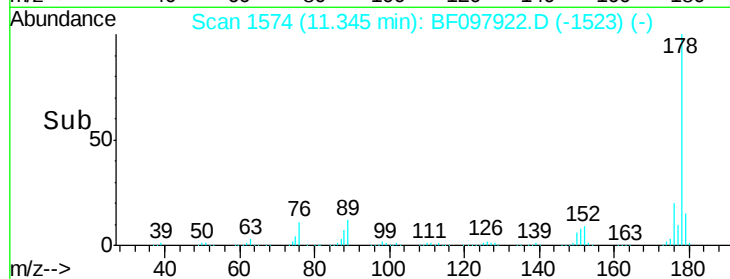
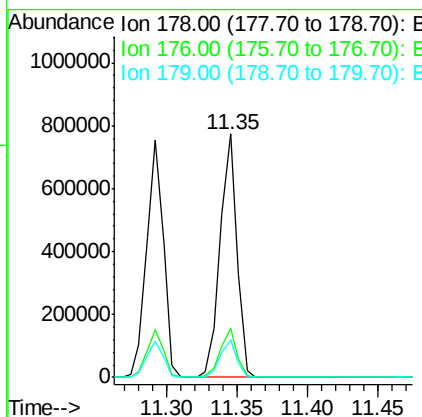
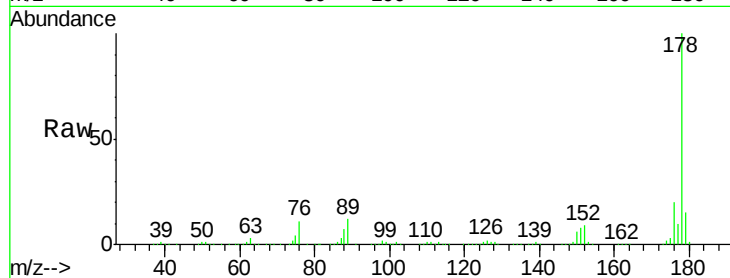




#71
 Anthracene
 Concen: 38.34 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

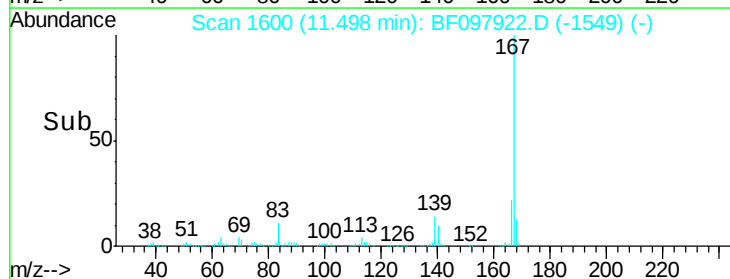
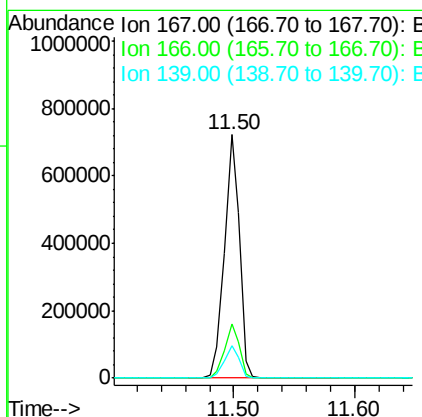
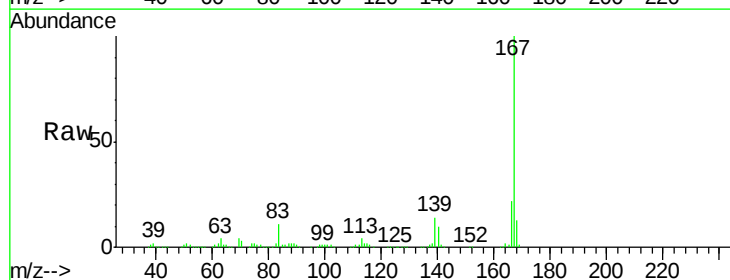
Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

Tot Ion:178 Resp: 643481
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.8 23.8
 179 15.4 12.7 19.1



#72
 Carbazole
 Concen: 38.79 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion:167 Resp: 617927
 Ion Ratio Lower Upper
 167 100
 166 22.0 18.1 27.1
 139 13.6 11.7 17.5





#73

Di-n-butylphthalate

Concen: 42.81 ng

RT: 11.83 min Scan# 1657

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MS

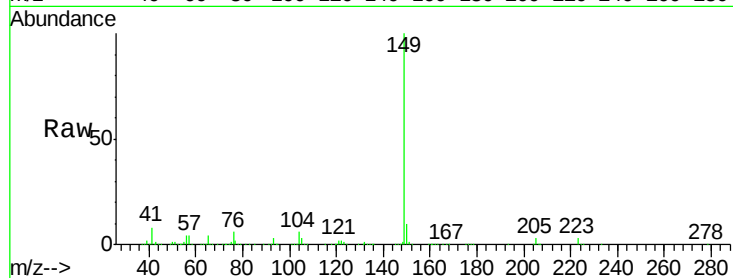
Tot Ion:149 Resp: 785505

Ion Ratio Lower Upper

149 100

150 9.5 7.7 11.5

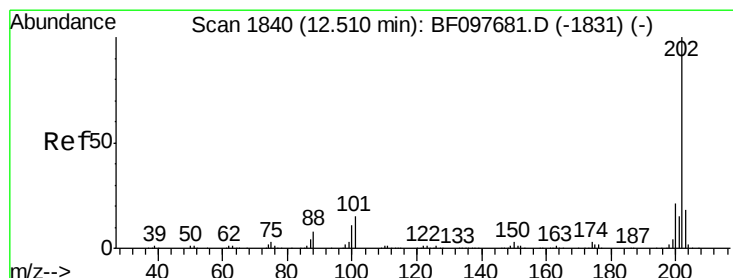
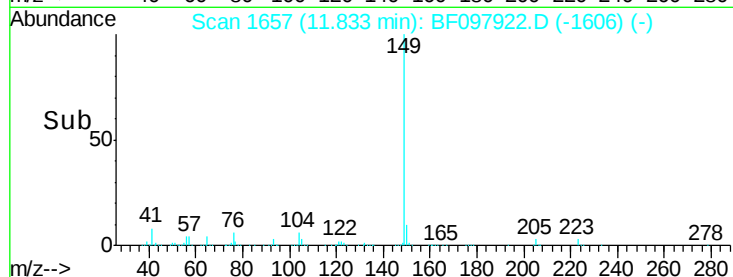
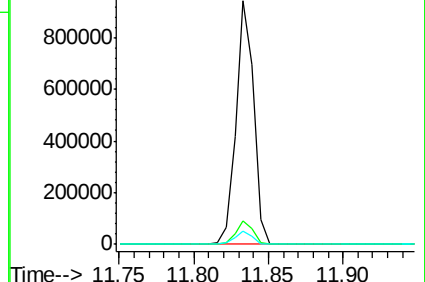
104 5.6 4.0 6.0



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: 37.20 ng

RT: 12.47 min Scan# 1766

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

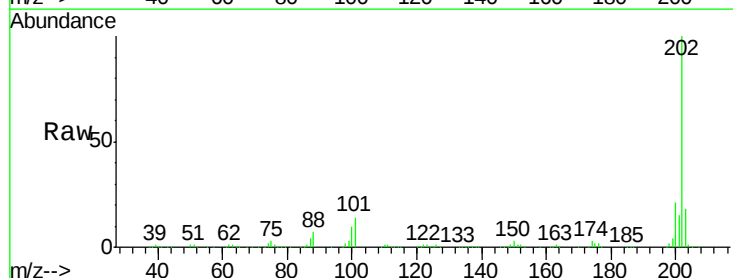
Tgt Ion:202 Resp: 642371

Ion Ratio Lower Upper

202 100

101 13.9 0.0 33.2

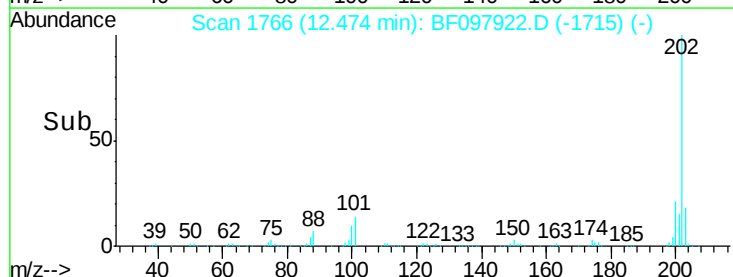
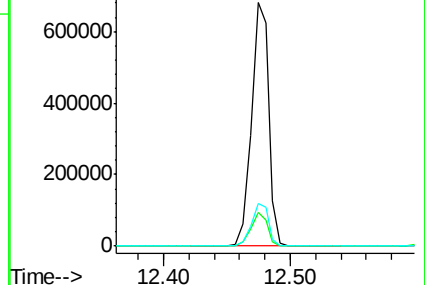
203 17.8 0.0 38.1

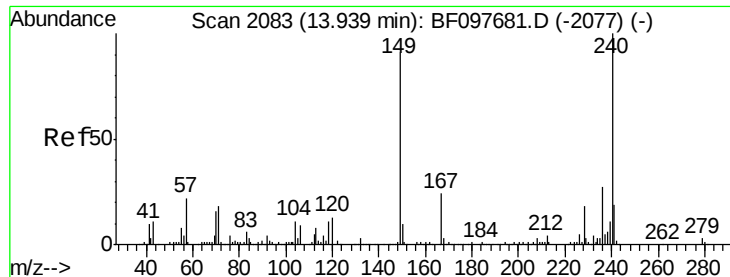


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MS

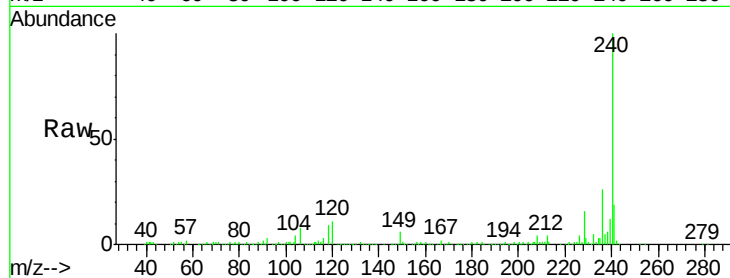
Tot Ion:240 Resp: 241547

Ion Ratio Lower Upper

240 100

120 11.3 5.8 8.8#

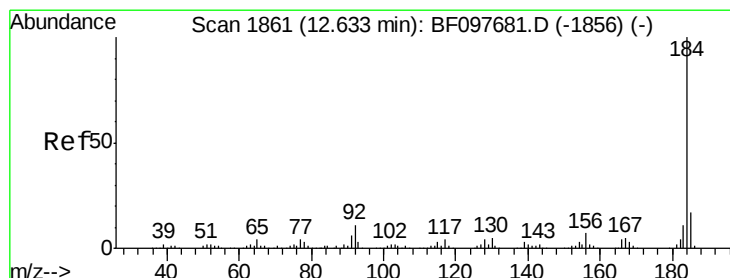
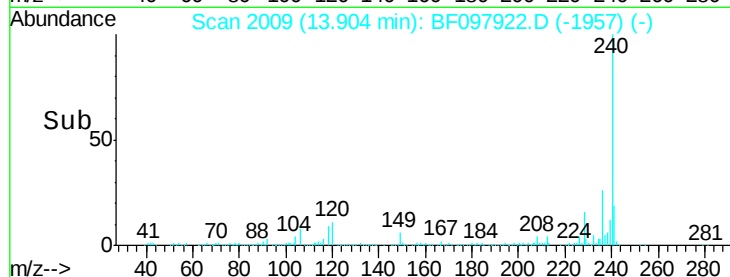
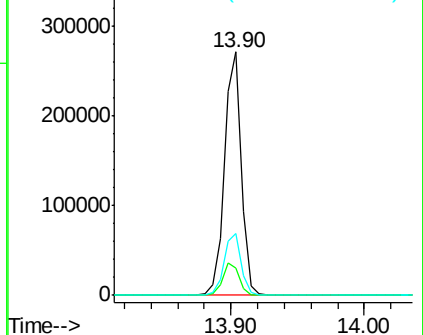
236 25.7 20.5 30.7



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: 76.82 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

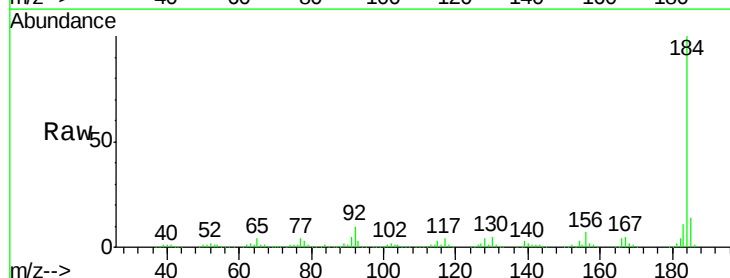
Tgt Ion:184 Resp: 608411

Ion Ratio Lower Upper

184 100

185 14.1 15.5 23.3#

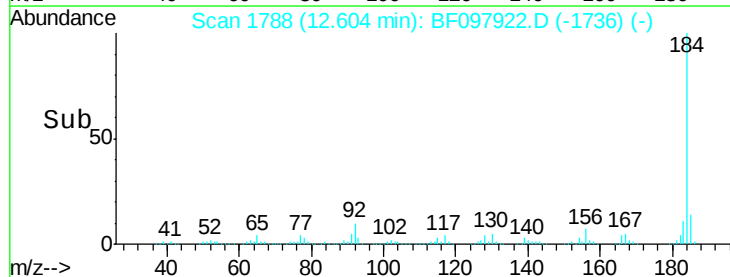
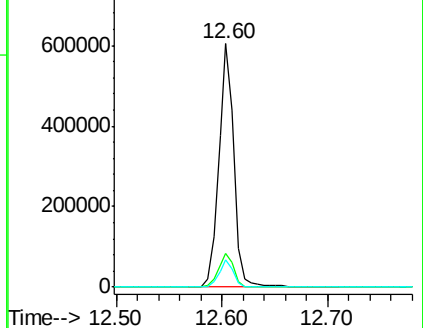
183 11.1 9.8 14.6

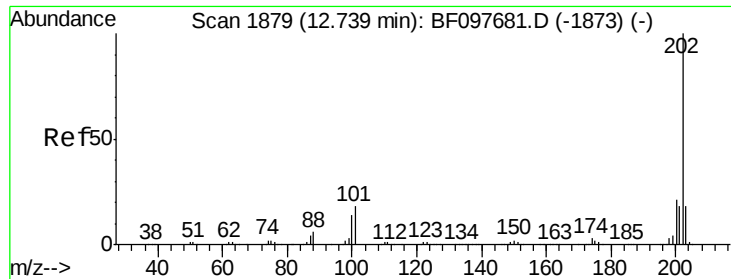


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

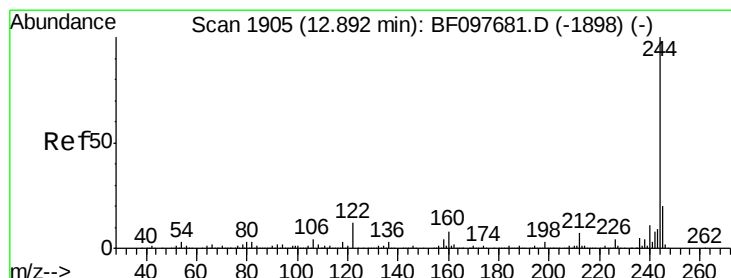
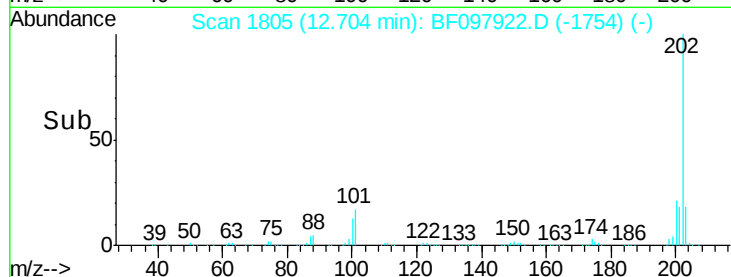
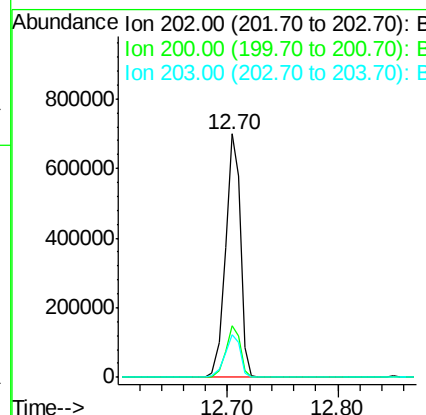
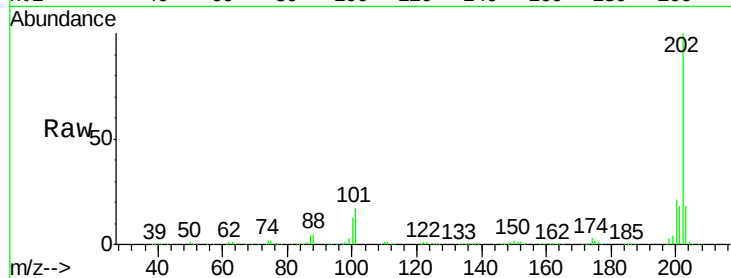




#77
Pvrene
Concen: 33.26 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

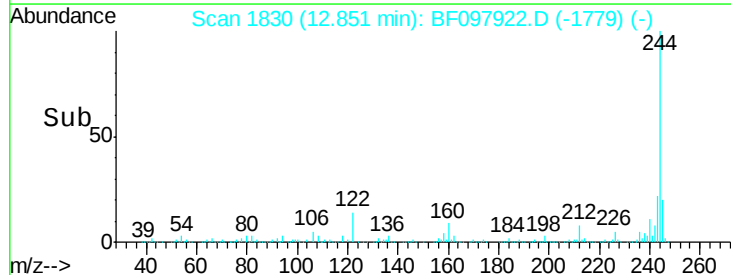
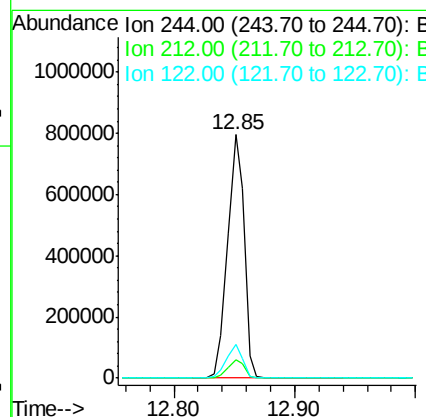
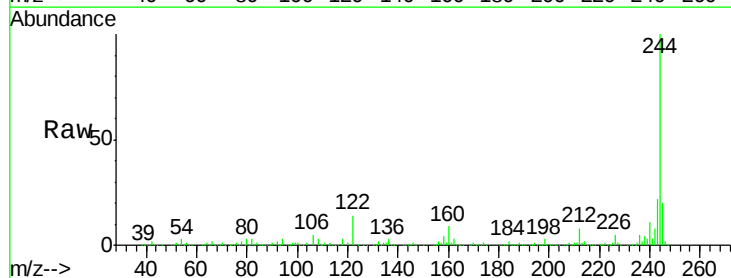
Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

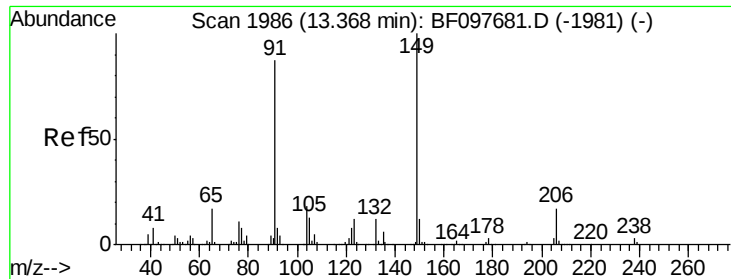
Tot Ion:202 Resp: 657026
Ion Ratio Lower Upper
202 100
200 21.0 17.6 26.4
203 17.7 14.4 21.6



#78
Terphenyl-d14
Concen: 64.96 ng
RT: 12.85 min Scan# 1830
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion:244 Resp: 752393
Ion Ratio Lower Upper
244 100
212 7.6 6.0 9.0
122 13.6 10.3 15.5

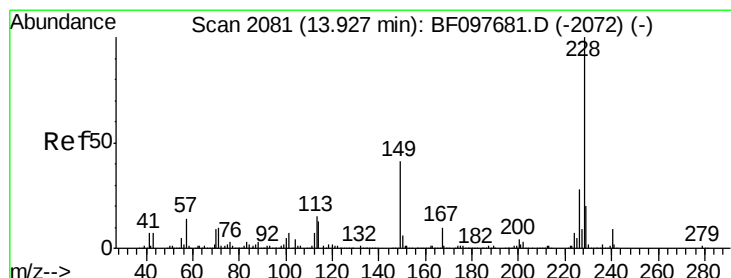
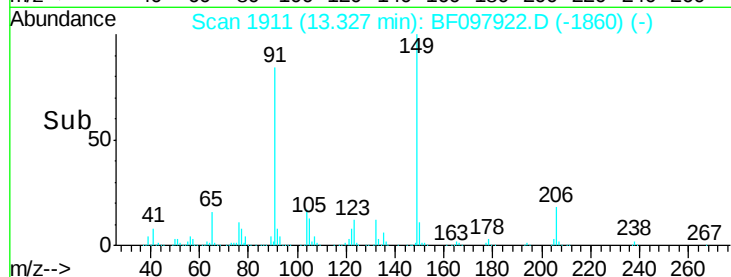
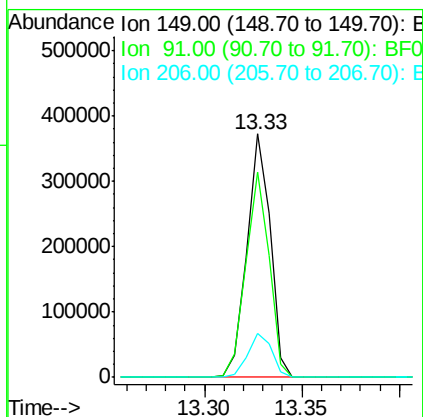
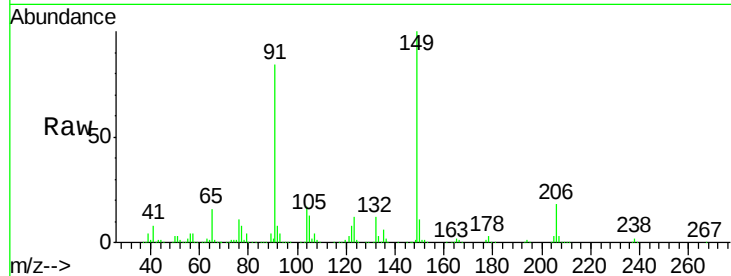




#79
Butylbenzylphthalate
Concen: 40.91 ng
RT: 13.33 min Scan# 1911
Delta R.T. 0.00 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

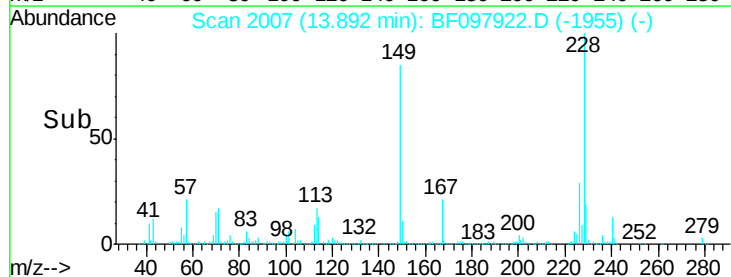
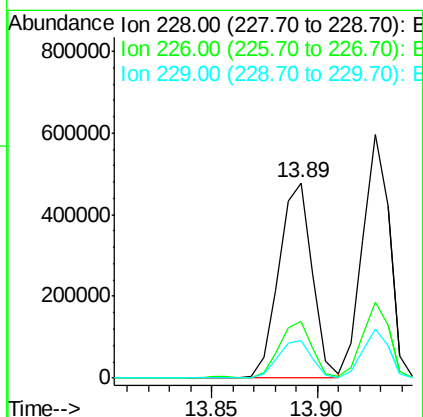
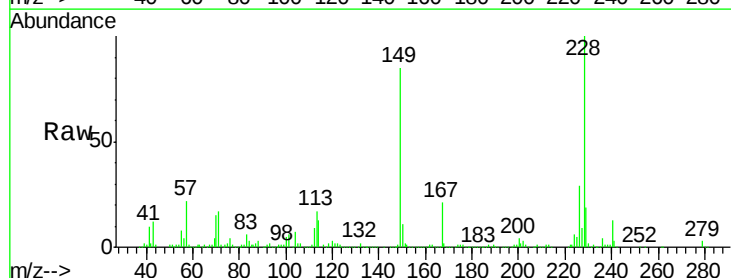
Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

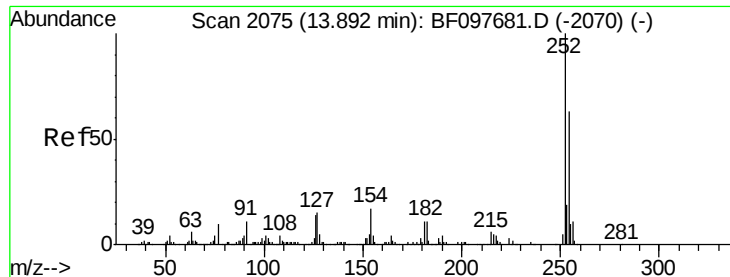
Tot Ion:149 Resp: 309833
Ion Ratio Lower Upper
149 100
91 84.3 45.0 67.4#
206 17.9 17.0 25.6



#80
Benzo(a)anthracene
Concen: 36.34 ng
RT: 13.89 min Scan# 2007
Delta R.T. 0.01 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion:228 Resp: 526086
Ion Ratio Lower Upper
228 100
226 29.0 22.6 33.8
229 19.2 16.3 24.5

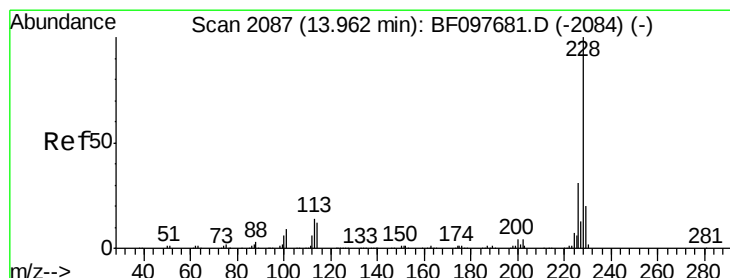
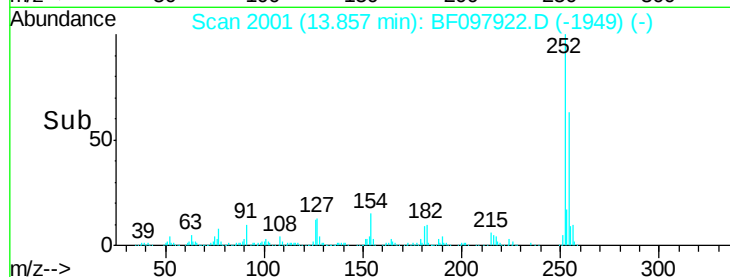
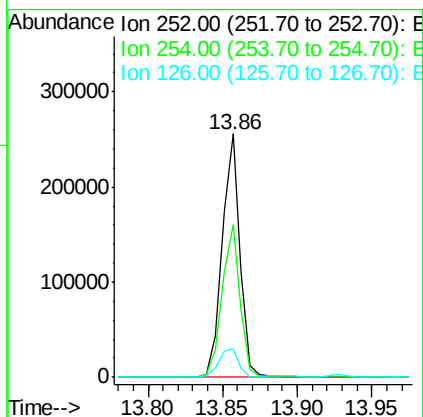
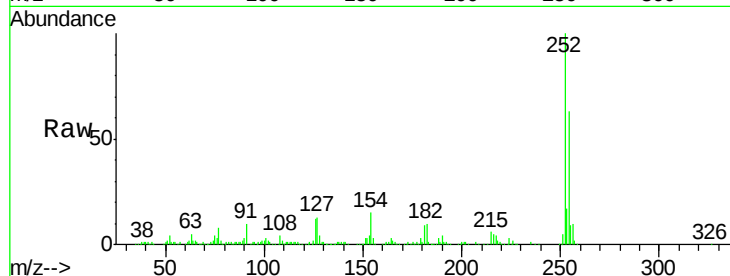




#81
 3,3'-Dichlorobenzidine
 Concen: 44.21 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. 0.01 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

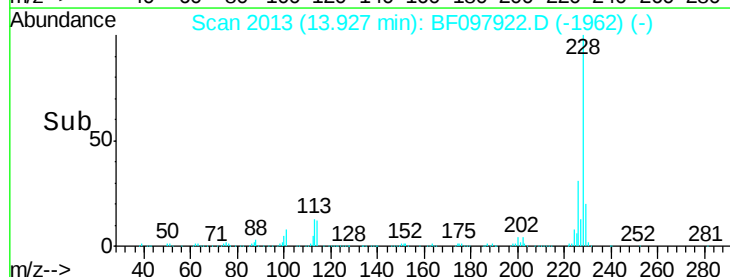
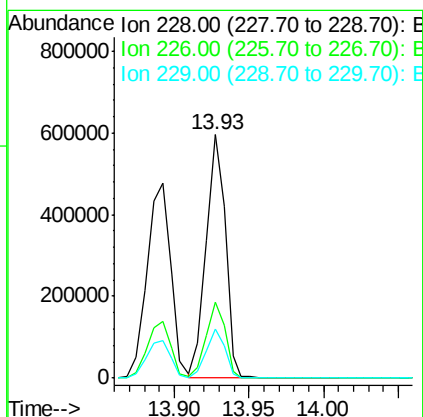
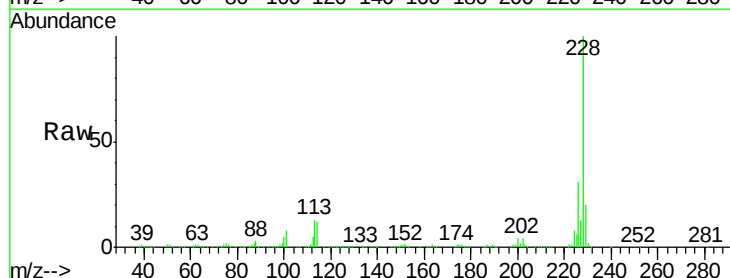
Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

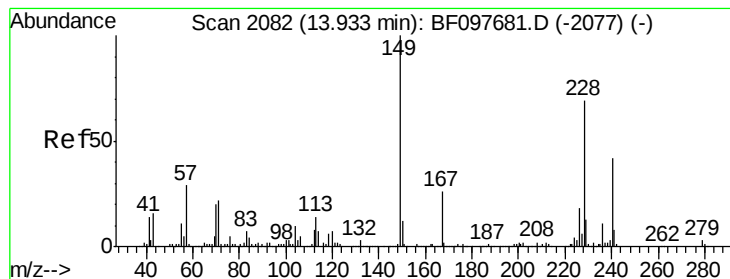
Tot Ion	Ratio	Lower	Upper
252	100		
254	62.6	51.5	77.3
126	11.8	15.8	23.8#



#82
 Chrysene
 Concen: 36.83 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. 0.00 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.9	37.3
229	20.3	15.8	23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 45.55 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MS

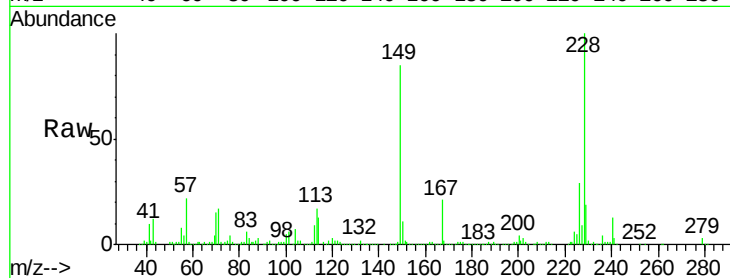
Tot Ion:149 Resp: 382328

Ion Ratio Lower Upper

149 100

167 25.1 21.0 31.4

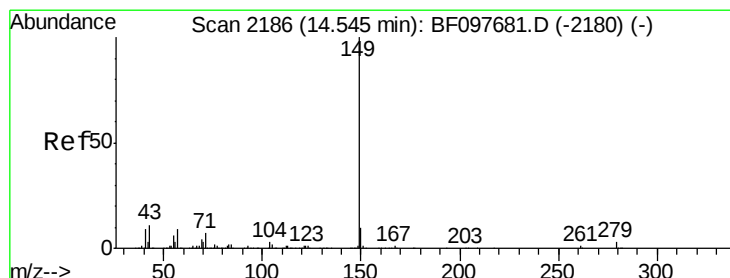
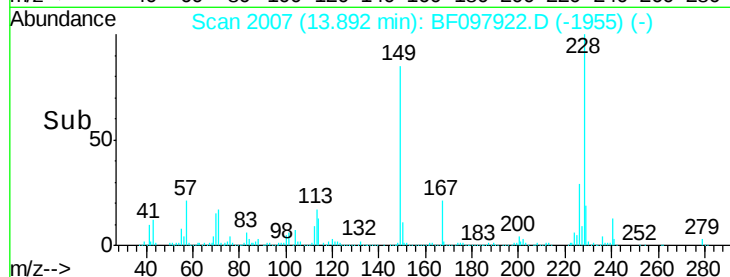
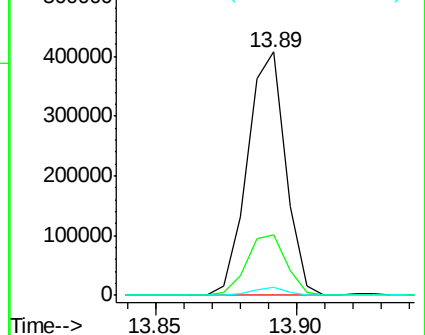
279 3.3 1.9 2.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 50.12 ng

RT: 14.50 min Scan# 2110

Delta R.T. 0.00 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

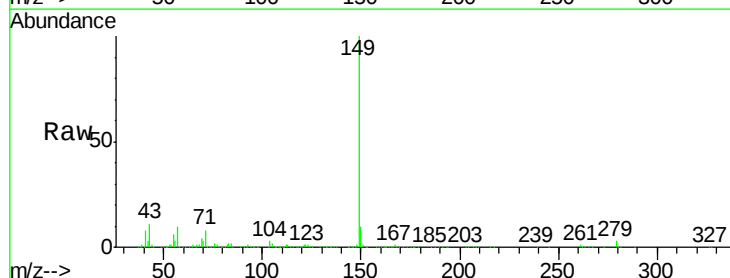
Tgt Ion:149 Resp: 731916

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

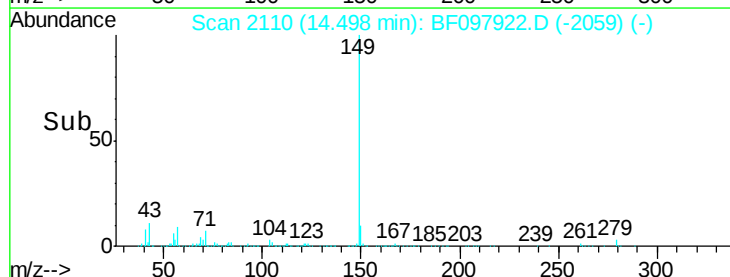
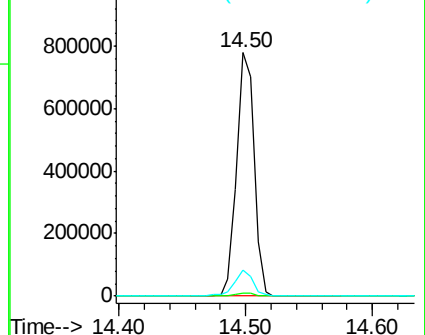
43 10.2 8.5 12.7

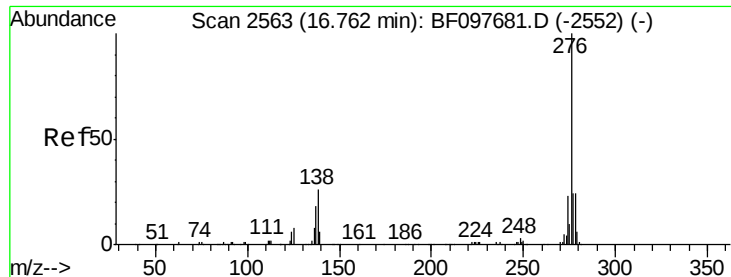


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

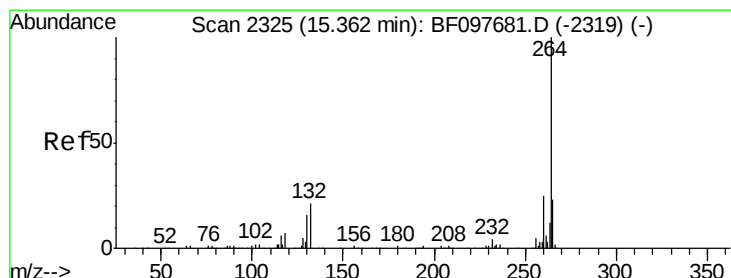
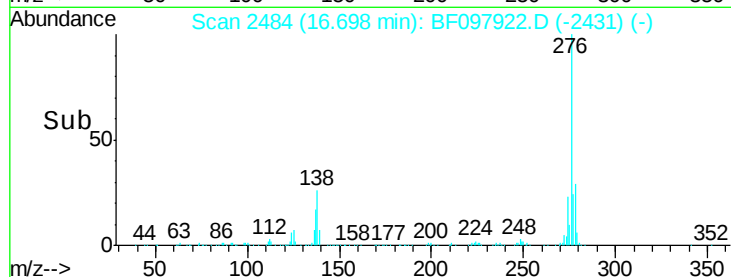
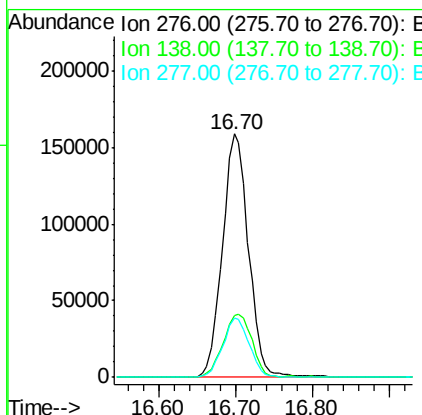
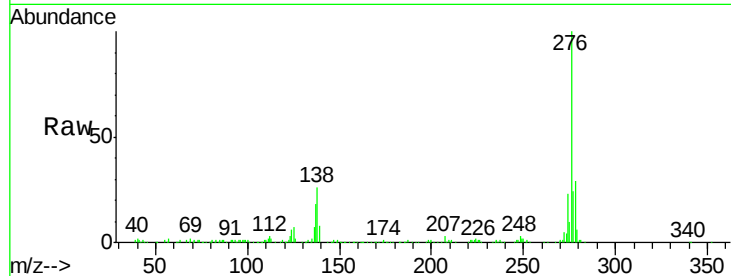




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 35.41 ng
 RT: 16.70 min Scan# 2484
 Delta R.T. 0.01 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

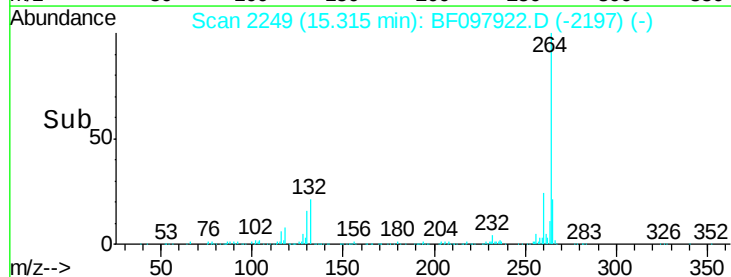
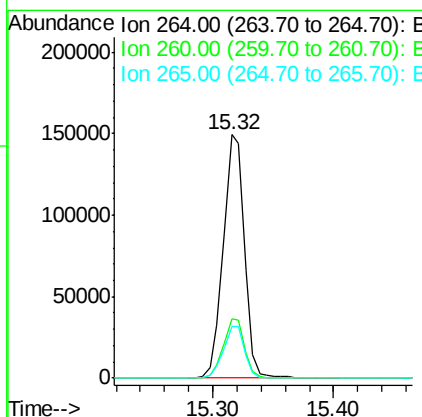
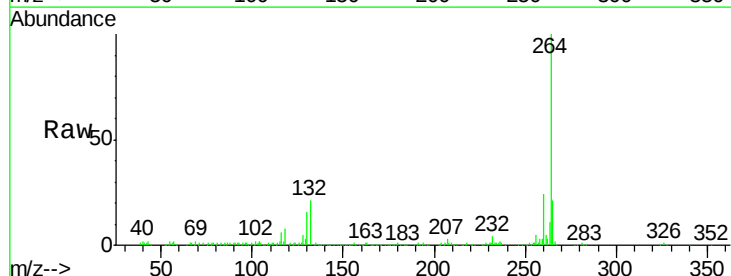
Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-SAND-6MS

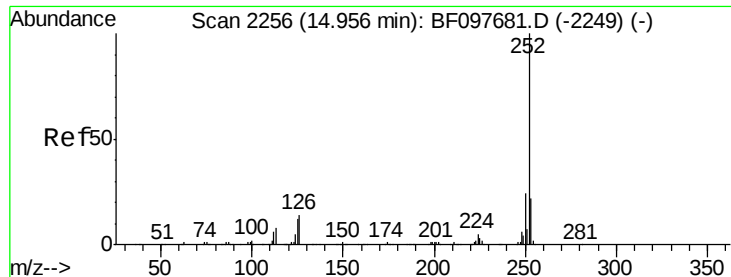
Tot Ion:276 Resp: 375173
 Ion Ratio Lower Upper
 276 100
 138 28.6 27.8 41.6
 277 24.7 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 2249
 Delta R.T. 0.01 min
 Lab File: BF097922.D
 Acq: 21 Aug 2017 23:06

Tgt Ion:264 Resp: 180889
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.5 29.3
 265 21.4 17.2 25.8

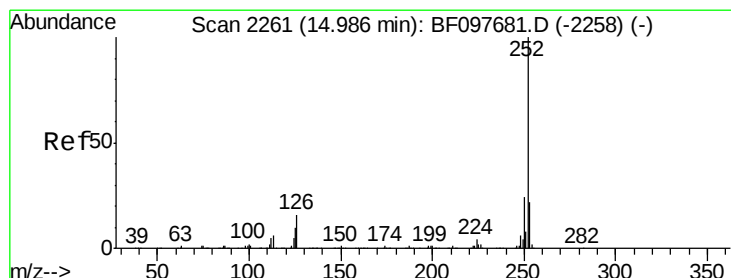
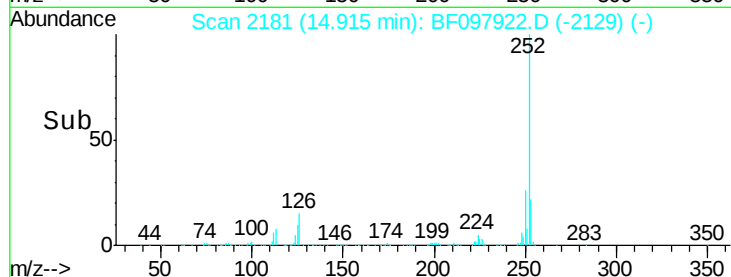
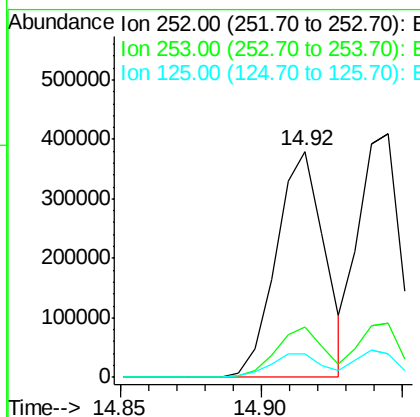
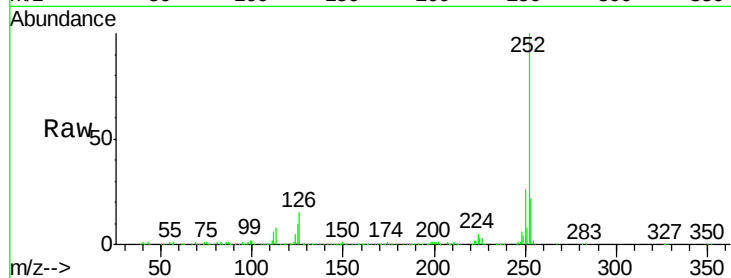




#87
Benzo(b)fluoranthene
Concen: 39.45 ng
RT: 14.92 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

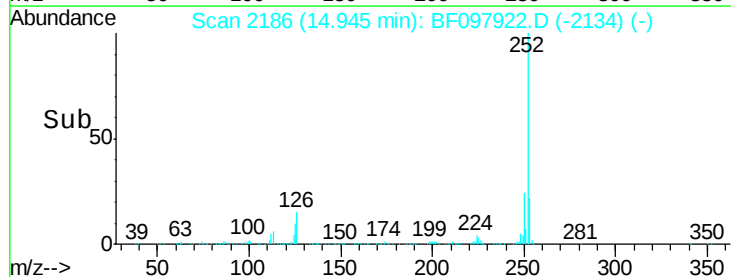
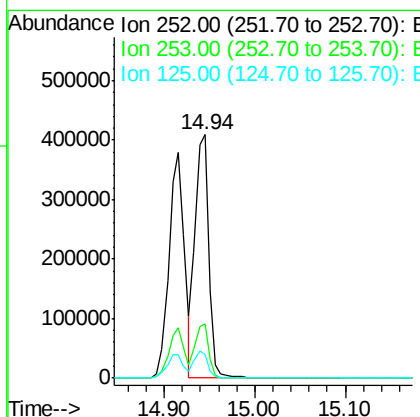
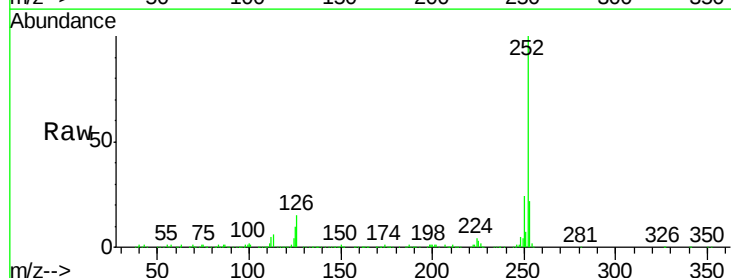
Instrument :
BNA_F
ClientSampleId :
CLEAN-SAND-6MS

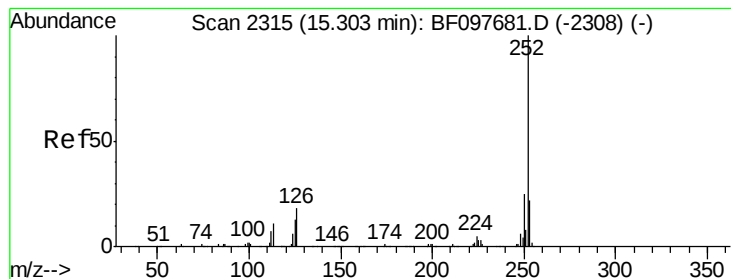
Tot Ion:252 Resp: 449775
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 10.4 9.8 14.8



#88
Benzo(k)fluoranthene
Concen: 39.80 ng
RT: 14.94 min Scan# 2186
Delta R.T. 0.01 min
Lab File: BF097922.D
Acq: 21 Aug 2017 23:06

Tgt Ion:252 Resp: 426378
Ion Ratio Lower Upper
252 100
253 22.0 18.4 27.6
125 9.7 13.1 19.7#





#89

Benzo(a)pyrene

Concen: 40.08 ng

RT: 15.26 min Scan# 2240

Delta R.T. 0.01 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MS

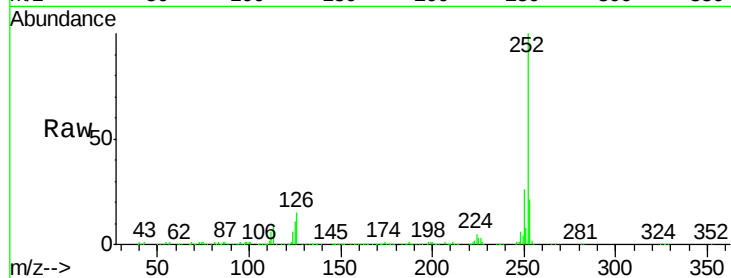
Tot Ion:252 Resp: 404583

Ion Ratio Lower Upper

252 100

253 20.8 17.5 26.3

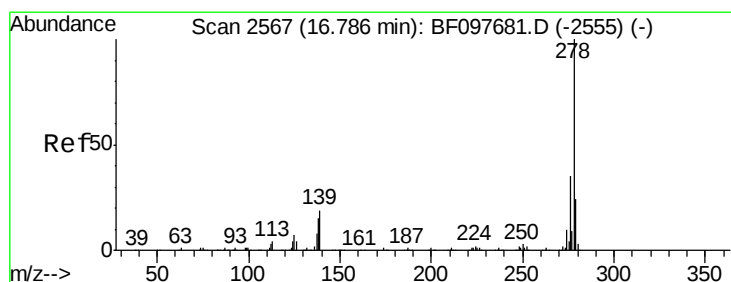
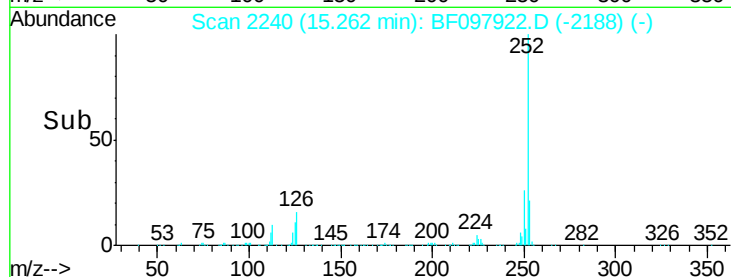
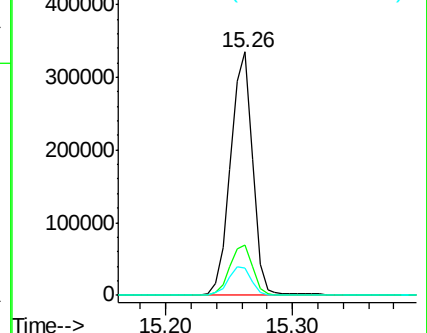
125 11.0 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 38.09 ng

RT: 16.72 min Scan# 2487

Delta R.T. 0.01 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

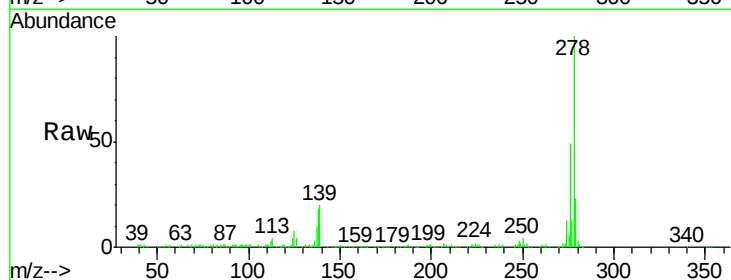
Tgt Ion:278 Resp: 313039

Ion Ratio Lower Upper

278 100

139 19.9 16.6 24.8

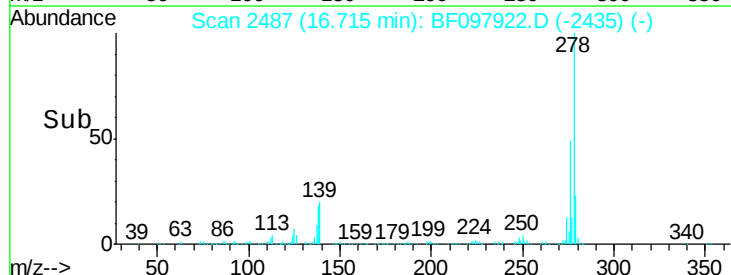
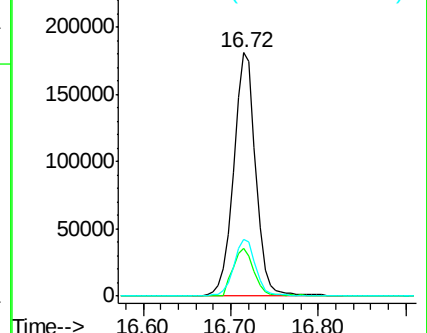
279 23.2 19.3 28.9

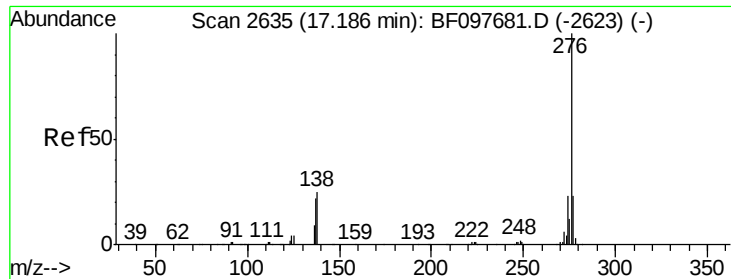


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 35.74 ng

RT: 17.12 min Scan# 2555

Delta R.T. 0.01 min

Lab File: BF097922.D

Acq: 21 Aug 2017 23:06

Instrument :

BNA_F

ClientSampleId :

CLEAN-SAND-6MS

Tot Ion:276 Resp: 306488

Ion Ratio Lower Upper

276 100

277 23.4 18.6 28.0

138 25.4 25.4 38.0

