

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010617\
 Data File : BF092113.D
 Acq On : 6 Jan 2017 13:29
 Operator : UM/SJ
 Sample : PB95763BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB95763BS

Quant Time: Jan 06 22:24:22 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	181757	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	719912	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	382084	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	623114	20.00	ng	0.00
75) Chrysene-d12	13.79	240	416421	20.00	ng	0.00
86) Perylene-d12	15.15	264	344432	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.25	112	1599478	146.94	ng	0.01
7) Phenol-d6	6.31	99	1942312	146.15	ng	0.00
23) Nitrobenzene-d5	7.21	82	1124768	86.88	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	402698	127.35	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	1890215	104.29	ng	0.00
78) Terphenyl-d14	12.75	244	1950918	113.62	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.18	88	230112	42.94	ng	97
3) Pyridine	2.82	79	571265	30.54	ng	96
4) n-Nitrosodimethylamine	2.78	42	289785	41.07	ng	99
6) Aniline	6.31	93	227080	13.16	ng	# 87
8) 2-Chlorophenol	6.44	128	603611	48.75	ng	91
9) Benzaldehyde	6.18	77	49670	4.82	ng	95
10) Phenol	6.32	94	677339	44.73	ng	# 77
11) bis(2-Chloroethyl)ether	6.39	93	614473	50.99	ng	96
12) 1,3-Dichlorobenzene	6.58	146	600330	45.42	ng	98
13) 1,4-Dichlorobenzene	6.58	146	600330	44.62	ng	94
14) 1,2-Dichlorobenzene	6.81	146	523336	44.83	ng	99
15) Benzyl Alcohol	6.80	79	429355	41.58	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.94	45	763795	42.56	ng	82
17) 2-Methylphenol	6.93	107	442826	44.47	ng	93
18) Hexachloroethane	7.16	117	212930	42.69	ng	96
19) n-Nitroso-di-n-propylamine	7.08	70	426242	48.21	ng	91
20) 3+4-Methylphenols	7.09	107	608524	51.23	ng	# 73
22) Acetophenone	7.06	105	788917	44.43	ng	# 91
24) Nitrobenzene	7.24	77	630806	45.75	ng	91
25) Isophorone	7.48	82	1078897	45.17	ng	96
26) 2-Nitrophenol	7.56	139	306597	45.09	ng	# 80
27) 2,4-Dimethylphenol	7.61	122	495021	43.89	ng	94
28) bis(2-Chloroethoxy)methane	7.69	93	654241	45.17	ng	100
29) 2,4-Dichlorophenol	7.81	162	443693	46.46	ng	98
30) 1,2,4-Trichlorobenzene	7.88	180	470451	44.95	ng	96
31) Naphthalene	7.96	128	1555507	47.21	ng	98
32) Benzoic acid	7.76	122	372837	44.57	ng	99
33) 4-Chloroaniline	8.01	127	82876	5.58	ng	96
34) Hexachlorobutadiene	8.07	225	238781	43.22	ng	99
35) Caprolactam	8.39	113	96971	30.90	ng	# 80
36) 4-Chloro-3-methylphenol	8.52	107	486777	44.29	ng	99
37) 2-Methylnaphthalene	8.64	142	952252	49.45	ng	100
39) 1,2,4,5-Tetrachlorobenzene	8.81	216	443656	45.96	ng	98
40) Hexachlorocyclopentadiene	8.80	237	410823	94.78	ng	97

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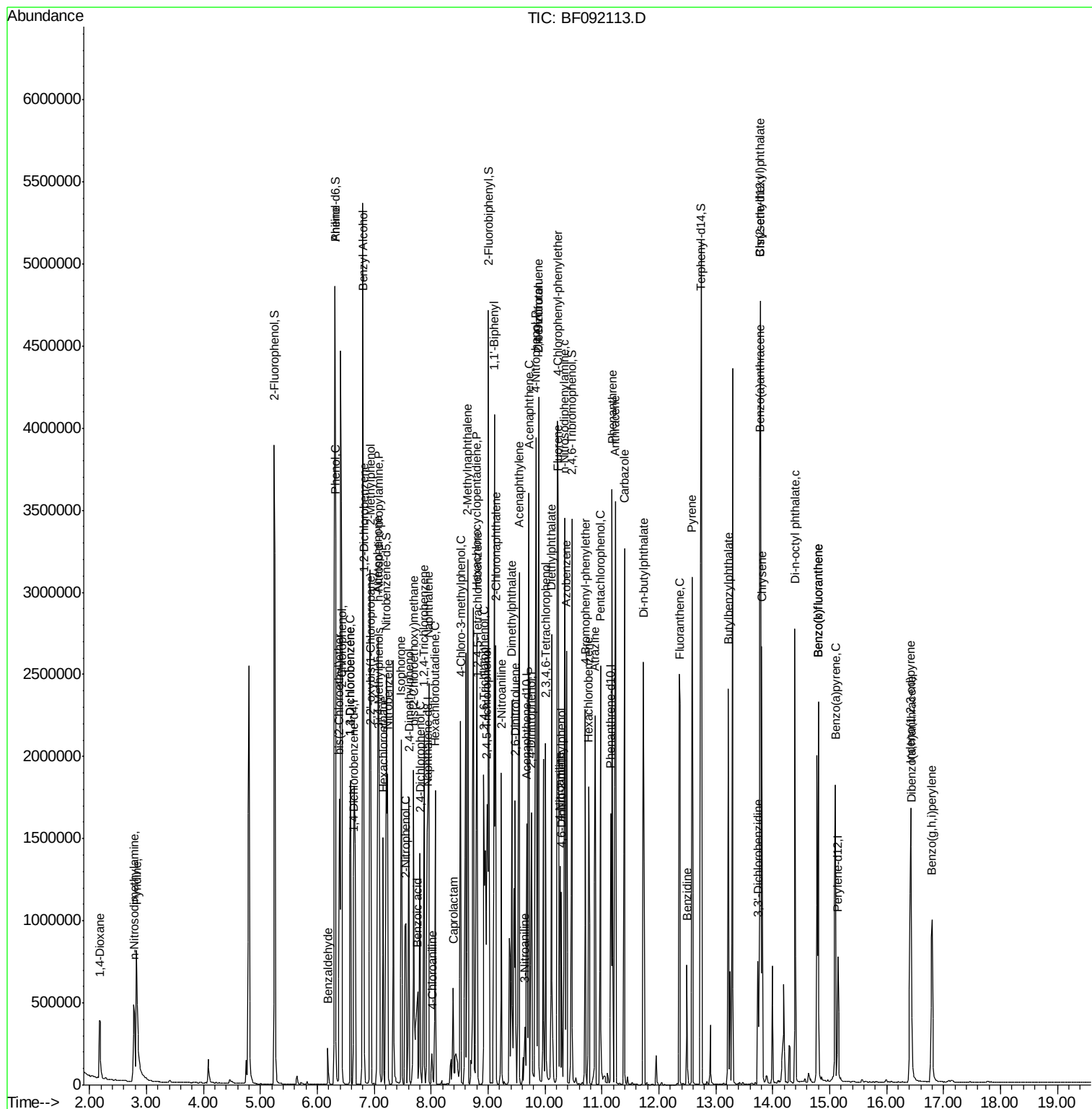
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.93	196	286697	42.47	ng	94
43) 2,4,5-Trichlorophenol	8.98	196	311900	44.89	ng	# 85
45) 1,1'-Biphenyl	9.11	154	1290517	49.33	ng	99
46) 2-Chloronaphthalene	9.13	162	993868	47.97	ng	98
47) 2-Nitroaniline	9.24	65	325832	44.17	ng	91
48) Acenaphthylene	9.54	152	1500965	47.11	ng	99
49) Dimethylphthalate	9.42	163	1056854	43.25	ng	99
50) 2,6-Dinitrotoluene	9.48	165	226599	42.36	ng	# 68
51) Acenaphthene	9.72	154	946488	43.81	ng	99
52) 3-Nitroaniline	9.65	138	69425	10.49	ng	82
53) 2,4-Dinitrophenol	9.76	184	272491	91.56	ng	# 80
54) Dibenzofuran	9.89	168	1272994	43.64	ng	97
55) 4-Nitrophenol	9.84	139	380424	84.64	ng	95
56) 2,4-Dinitrotoluene	9.89	165	326370	48.61	ng	96
57) Fluorene	10.23	166	1035166	48.77	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.01	232	262507	47.77	ng	99
59) Diethylphthalate	10.12	149	1054365	44.43	ng	99
60) 4-Chlorophenyl-phenylether	10.22	204	401648	43.22	ng	100
61) 4-Nitroaniline	10.26	138	274266	39.98	ng	95
62) Azobenzene	10.38	77	1216945	46.57	ng	99
64) 4,6-Dinitro-2-methylphenol	10.29	198	168318	44.67	ng	# 36
65) n-Nitrosodiphenylamine	10.34	169	840521	45.46	ng	99
66) 4-Bromophenyl-phenylether	10.71	248	307166	47.39	ng	92
67) Hexachlorobenzene	10.77	284	306027	44.17	ng	# 76
68) Atrazine	10.88	200	313018	52.48	ng	96
69) Pentachlorophenol	10.97	266	296940	87.35	ng	98
70) Phenanthrene	11.18	178	1401256	41.47	ng	99
71) Anthracene	11.24	178	1637221	63.49	ng	99
72) Carbazole	11.40	167	1443389	63.71	ng	99
73) Di-n-butylphthalate	11.73	149	1635665	51.70	ng	99
74) Fluoranthene	12.37	202	1549459	52.95	ng	91
76) Benzidine	12.49	184	323191	27.60	ng	97
77) Pyrene	12.59	202	1440378	47.14	ng	100
79) Butylbenzylphthalate	13.23	149	778482	56.02	ng	# 83
80) Benzo(a)anthracene	13.77	228	1197758	50.96	ng	100
81) 3,3'-Dichlorobenzidine	13.74	252	177493	19.91	ng	97
82) Chrysene	13.81	228	1042670	44.22	ng	99
83) Bis(2-ethylhexyl)phthalate	13.79	149	837851	51.20	ng	98
84) Di-n-octyl phthalate	14.39	149	1360662	44.88	ng	99
85) Indeno(1,2,3-cd)pyrene	16.43	276	928944	45.48	ng	100
87) Benzo(b)fluoranthene	14.80	252	1844095	86.00	ng	99
88) Benzo(k)fluoranthene	14.80	252	1844095	100.85	ng	98
89) Benzo(a)pyrene	15.10	252	885054	46.50	ng	# 97
90) Dibenzo(a,h)anthracene	16.44	278	769662	49.20	ng	95
91) Benzo(g,h,i)perylene	16.80	276	811158	49.87	ng	98

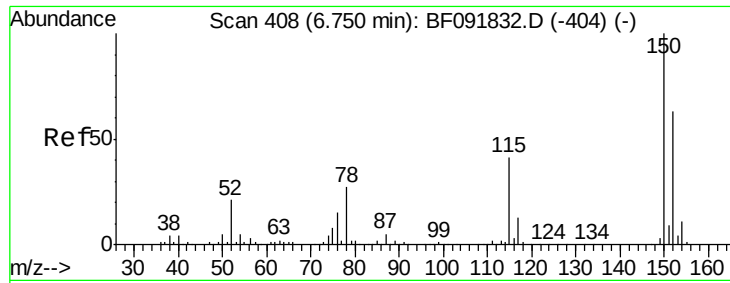
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF092113.D

Acq: 6 Jan 2017 13:29

Instrument :

BNA_F

ClientSampleId :

PB95763BS

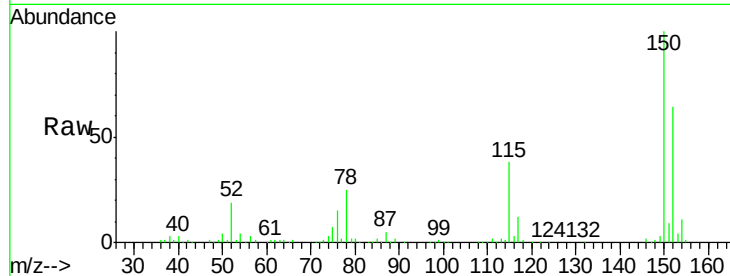
Tgt Ion:152 Resp: 181757

Ion Ratio Lower Upper

152 100

150 157.3 124.9 187.3

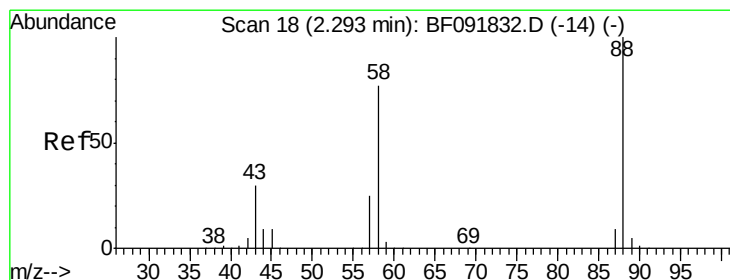
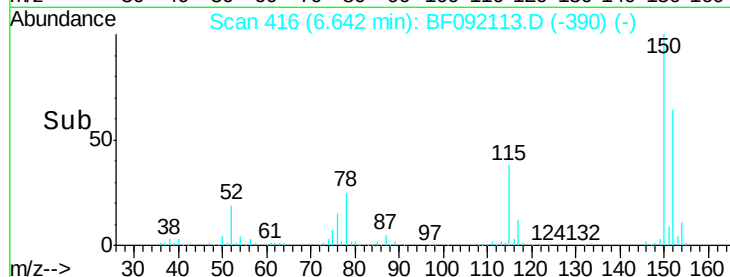
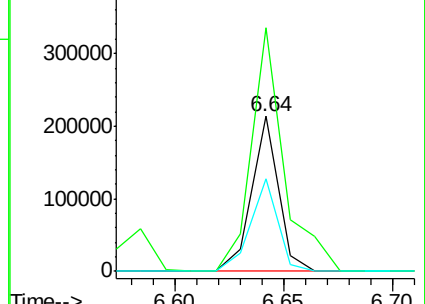
115 59.7 46.0 69.0



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: 42.94 ng

RT: 2.18 min Scan# 26

Delta R.T. 0.10 min

Lab File: BF092113.D

Acq: 6 Jan 2017 13:29

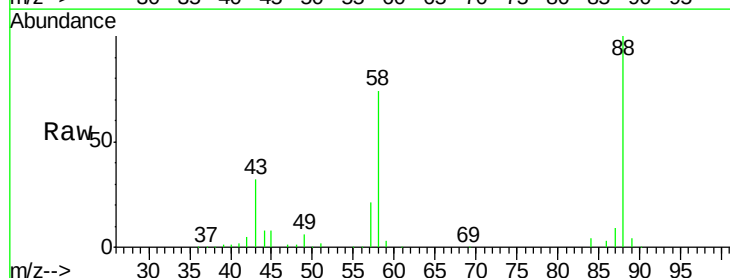
Tgt Ion: 88 Resp: 230112

Ion Ratio Lower Upper

88 100

58 74.5 57.8 86.8

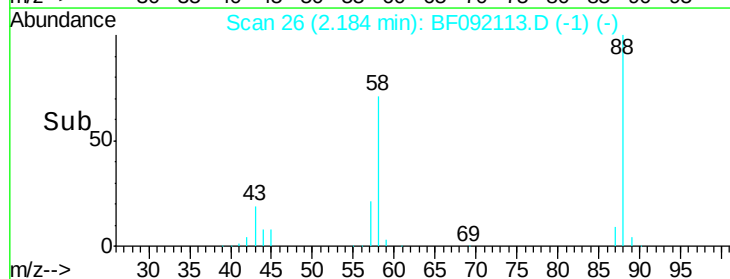
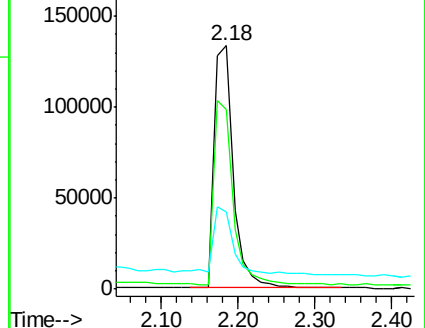
43 30.7 22.3 33.5

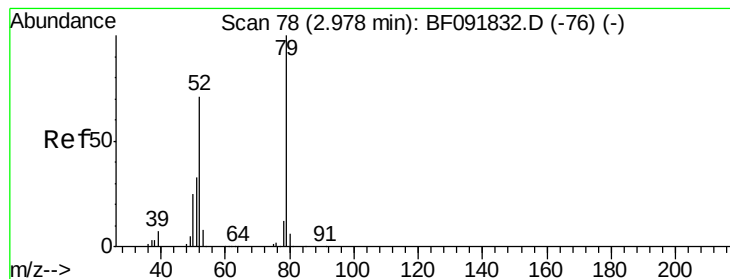


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 30.54 ng

RT: 2.82 min Scan# 82

Delta R.T. 0.09 min

Lab File: BF092113.D

Acq: 6 Jan 2017 13:29

Instrument :

BNA_F

ClientSampleId :

PB95763BS

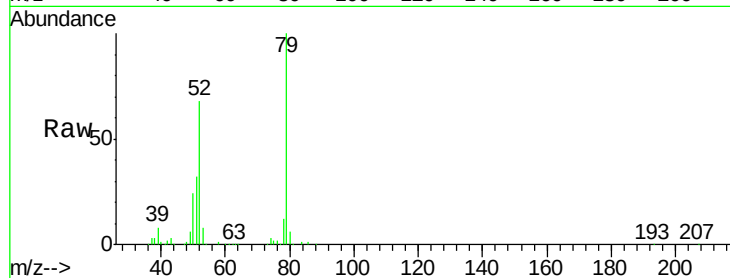
Tgt Ion: 79 Resp: 571265

Ion Ratio Lower Upper

79 100

52 68.1 57.1 85.7

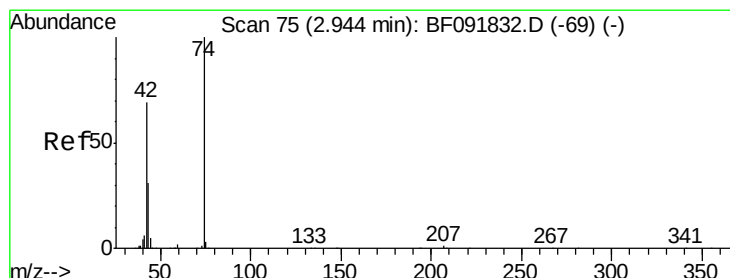
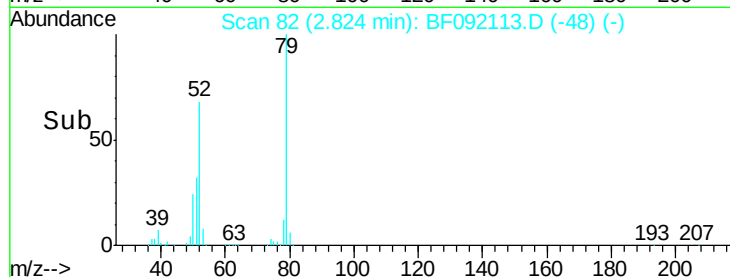
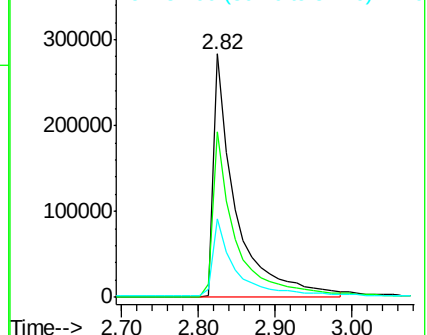
51 32.3 27.3 40.9



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 41.07 ng

RT: 2.78 min Scan# 78

Delta R.T. 0.09 min

Lab File: BF092113.D

Acq: 6 Jan 2017 13:29

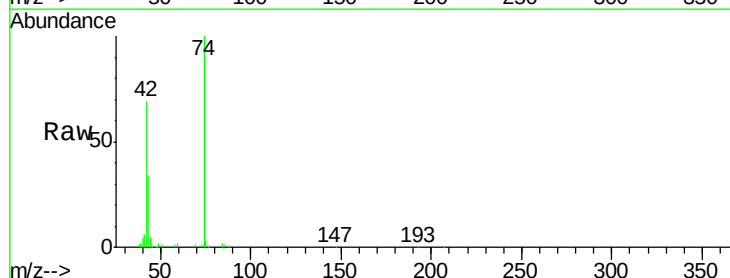
Tgt Ion: 42 Resp: 289785

Ion Ratio Lower Upper

42 100

74 144.6 117.0 175.4

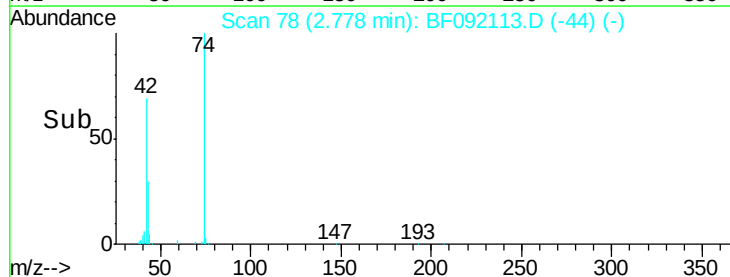
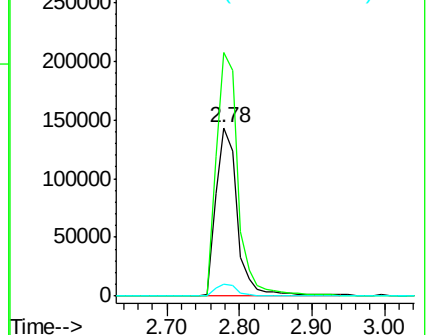
44 7.1 5.5 8.3

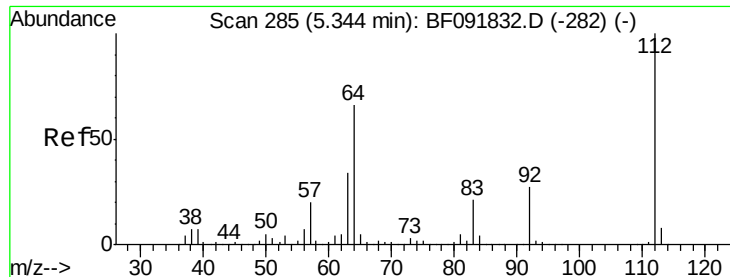


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 146.94 ng

RT: 5.25 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF092113.D

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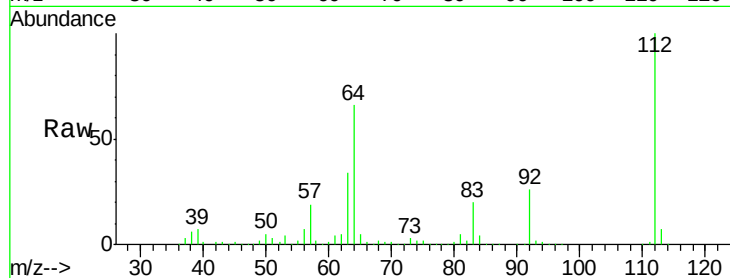
Tgt Ion: 112 Resp: 1599478

Ion Ratio Lower Upper

112 100

64 65.8 46.1 69.1

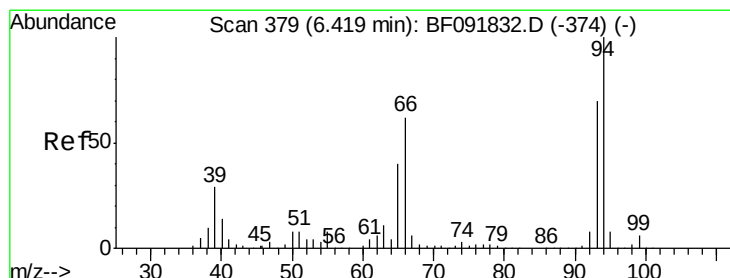
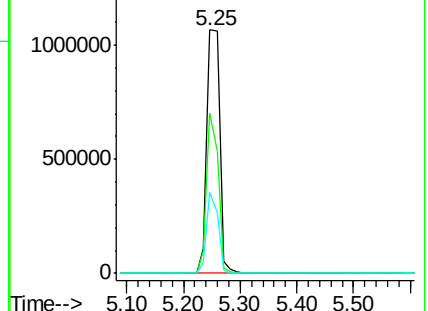
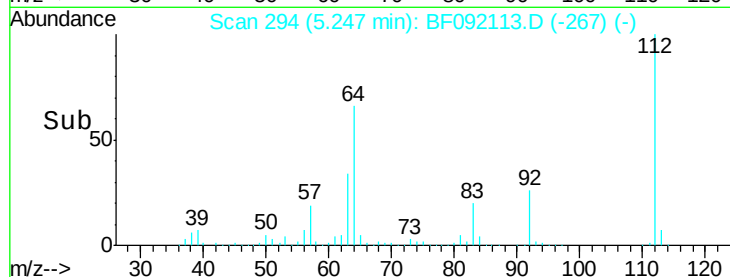
63 33.5 23.8 35.6



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: 13.16 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092113.D

Acq: 6 Jan 2017 13:29

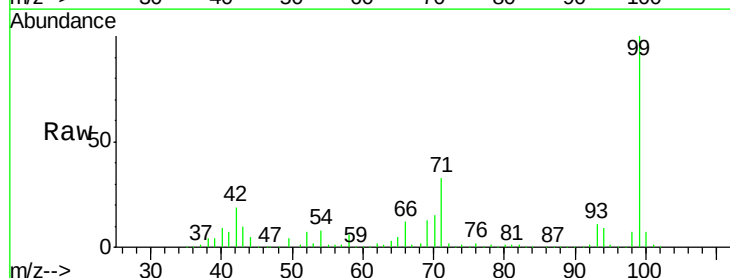
Tgt Ion: 93 Resp: 227080

Ion Ratio Lower Upper

93 100

66 103.7 76.2 114.2

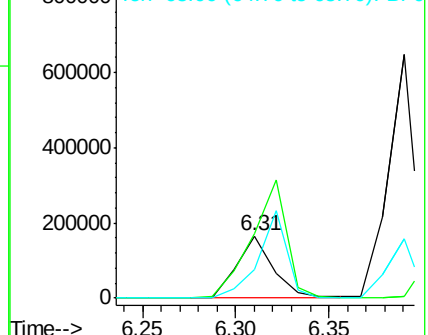
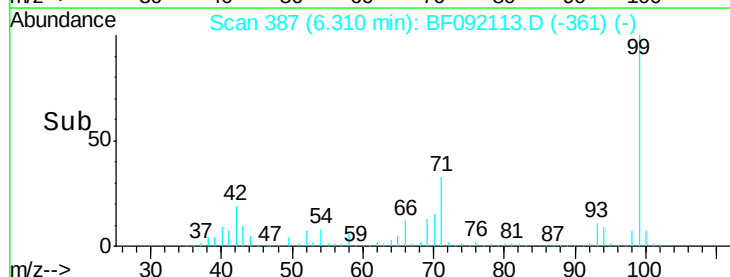
65 46.6 49.3 73.9#

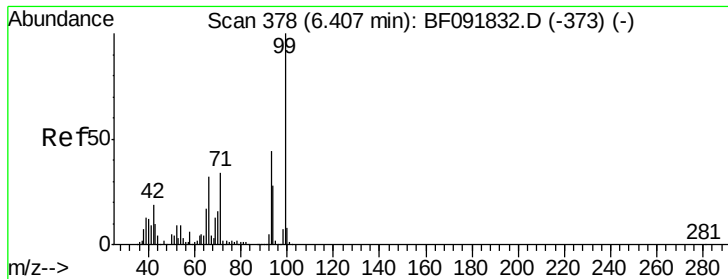


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 146.15 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092113.D

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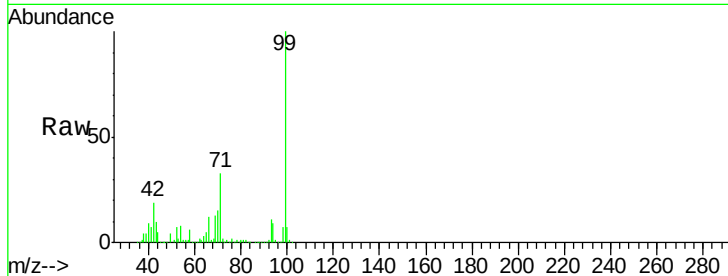
Tgt Ion: 99 Resp: 1942312

Ion Ratio Lower Upper

99 100

42 18.9 15.6 23.4

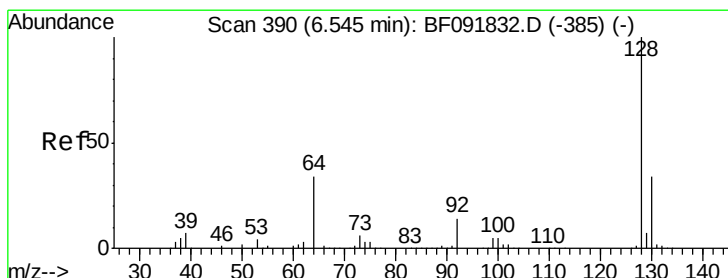
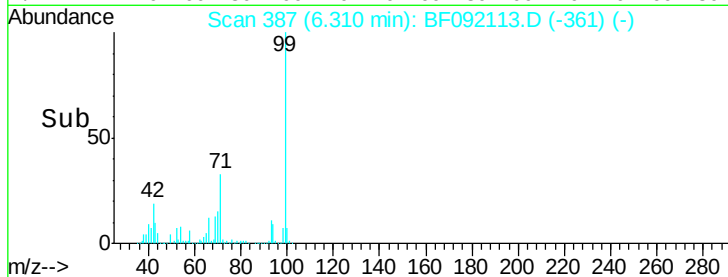
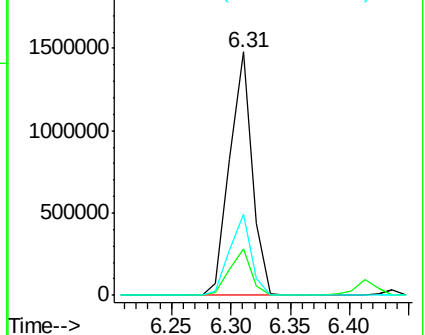
71 33.4 27.5 41.3



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: 48.75 ng

RT: 6.44 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF092113.D

Acq: 6 Jan 2017 13:29

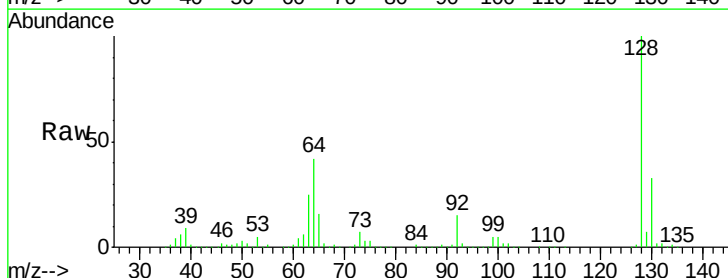
Tgt Ion: 128 Resp: 603611

Ion Ratio Lower Upper

128 100

130 32.6 12.3 52.3

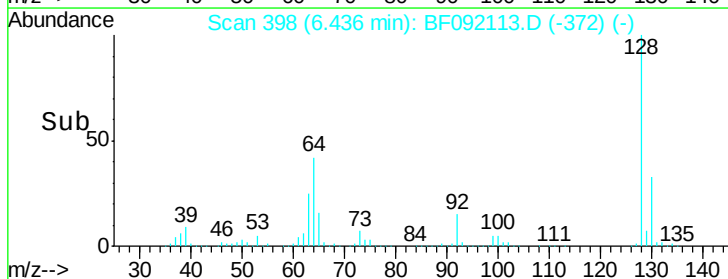
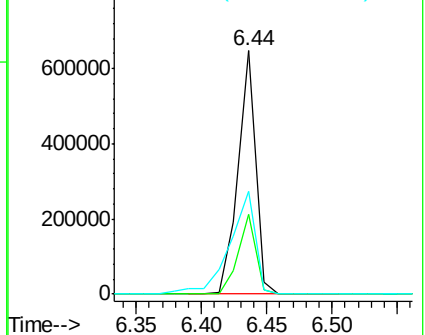
64 42.3 32.2 72.2

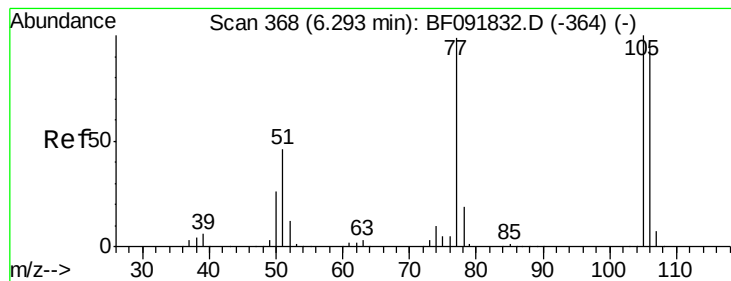


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 4.82 ng

RT: 6.18 min Scan# 376

Delta R.T. 0.00 min

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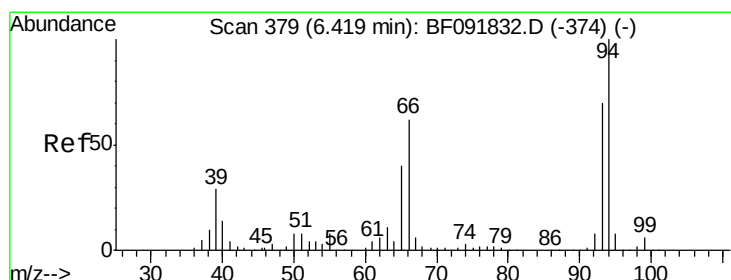
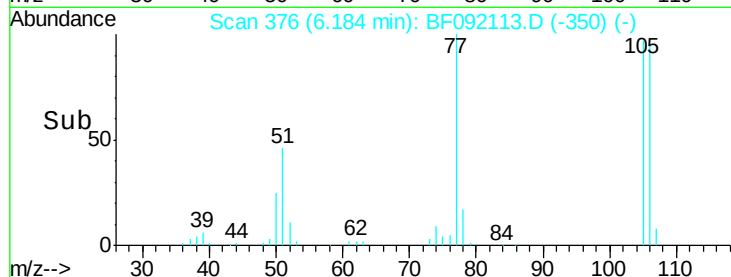
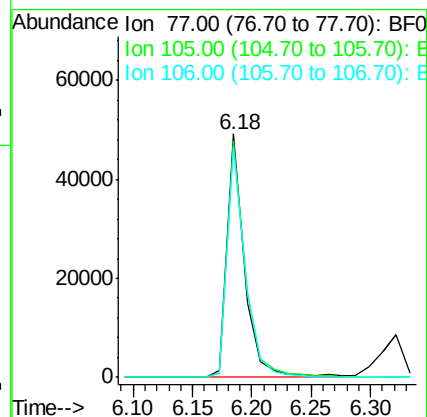
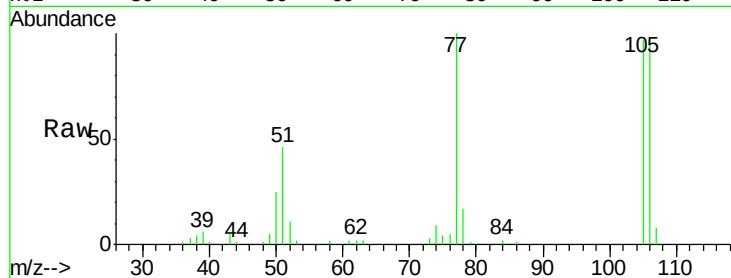
Tgt Ion: 77 Resp: 49670

Ion Ratio Lower Upper

77 100

105 96.8 83.9 123.9

106 94.6 77.6 117.6



#10

Phenol

Concen: 44.73 ng

RT: 6.32 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF092113.D

Acq: 6 Jan 2017 13:29

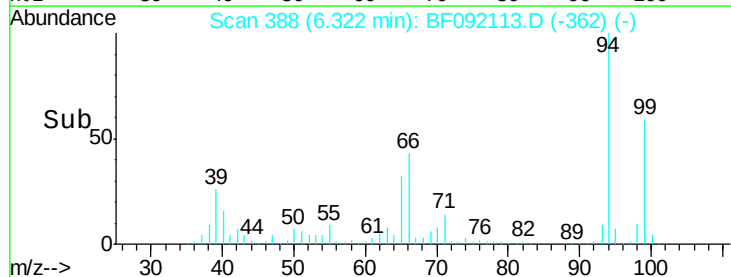
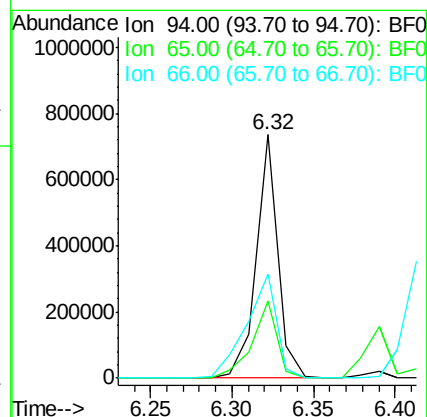
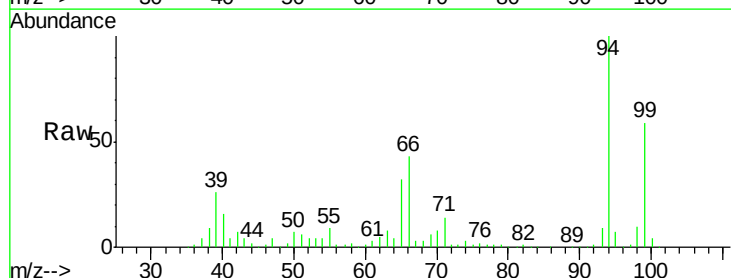
Tgt Ion: 94 Resp: 677339

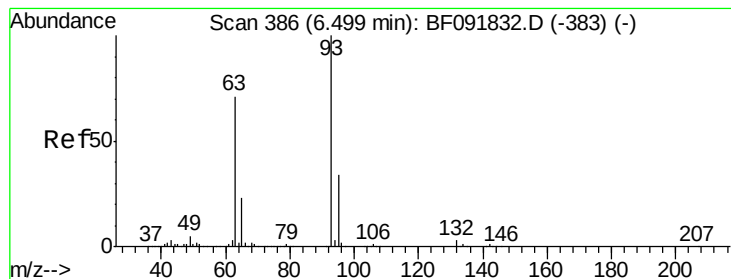
Ion Ratio Lower Upper

94 100

65 31.7 21.4 61.4

66 42.7 44.0 84.0#





#11

bis(2-Chloroethyl)ether

Concen: 50.99 ng

RT: 6.39 min Scan# 394

Delta R.T. 0.00 min

Lab File: BF092113.D

Acq: 6 Jan 2017 13:29

Instrument :

BNA_F

ClientSampleId :

PB95763BS

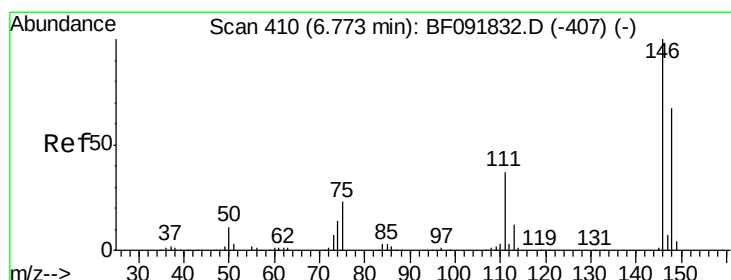
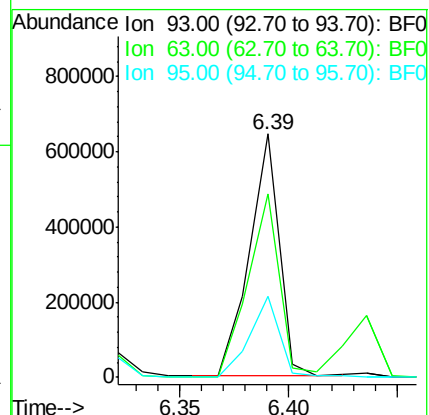
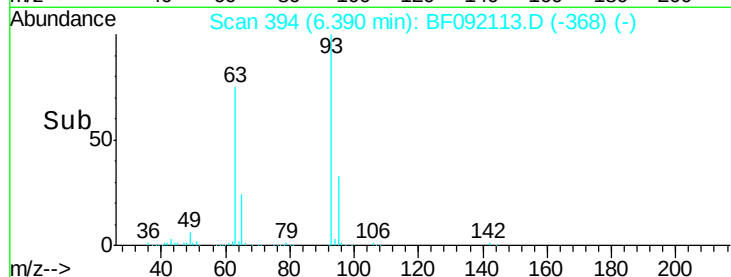
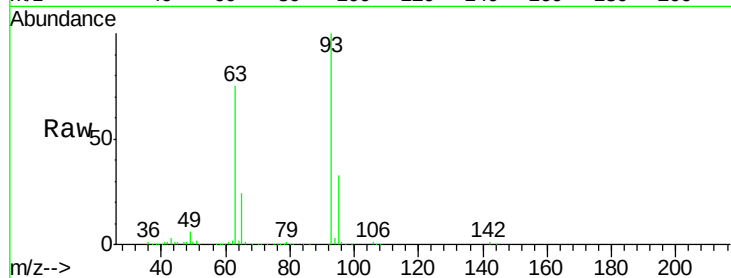
Tgt Ion: 93 Resp: 614473

Ion Ratio Lower Upper

93 100

63 75.3 60.4 100.4

95 33.0 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 45.42 ng

RT: 6.58 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF092113.D

Acq: 6 Jan 2017 13:29

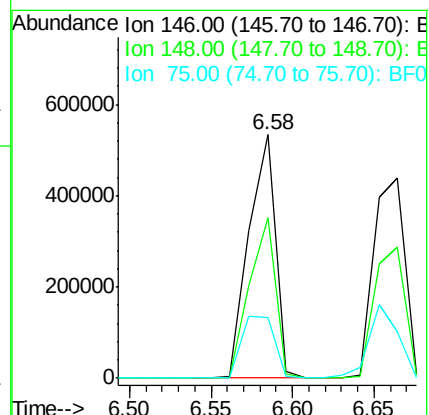
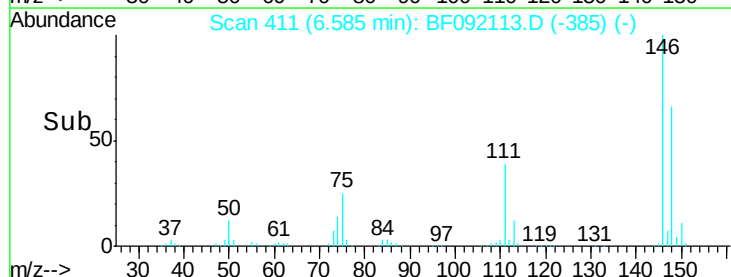
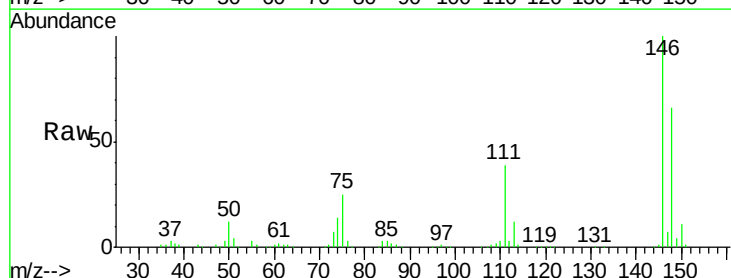
Tgt Ion: 146 Resp: 600330

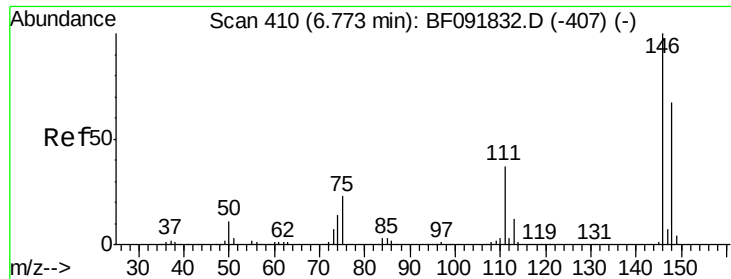
Ion Ratio Lower Upper

146 100

148 65.8 53.4 80.0

75 24.8 18.5 27.7

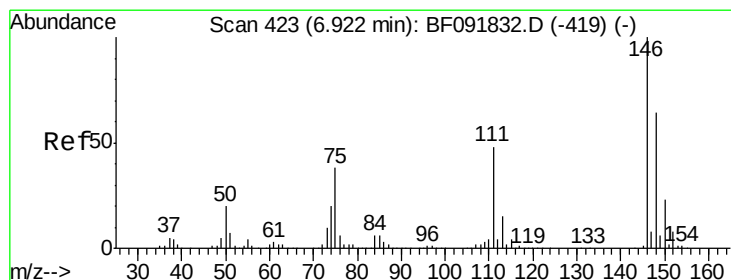
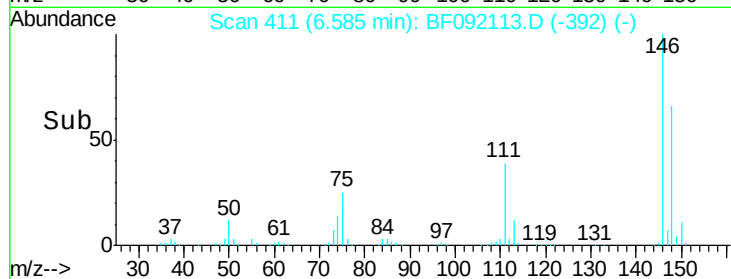
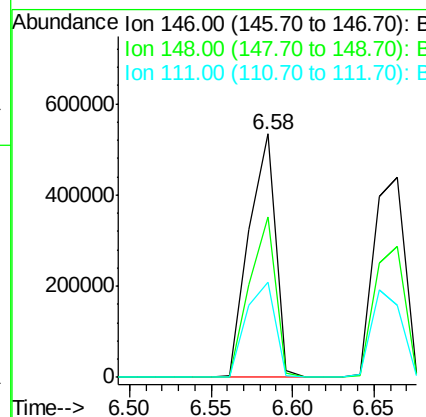
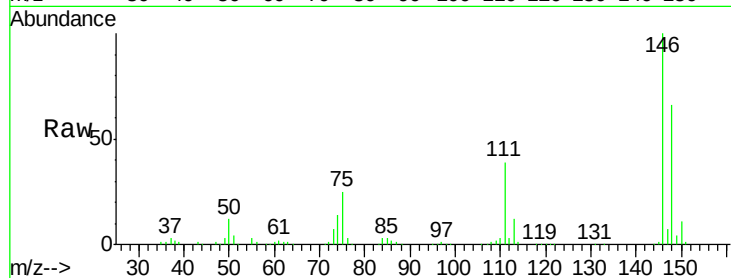




#13
 1,4-Dichlorobenzene
 Concen: 44.62 ng
 RT: 6.58 min Scan# 411
 Delta R.T. -0.08 min
 Lab File: BF092113.D
 Acq: 6 Jan 2017 13:29

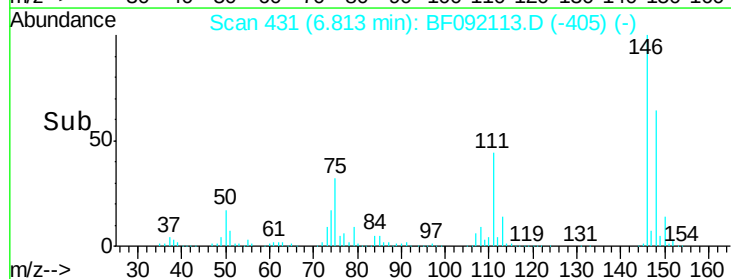
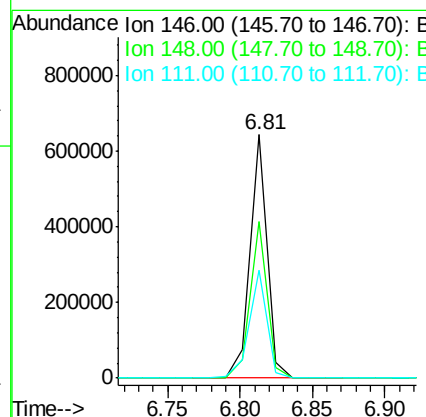
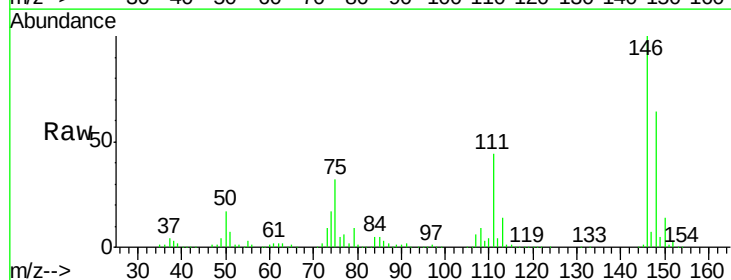
Instrument :
 BNA_F
 ClientSampleId :
 PB95763BS

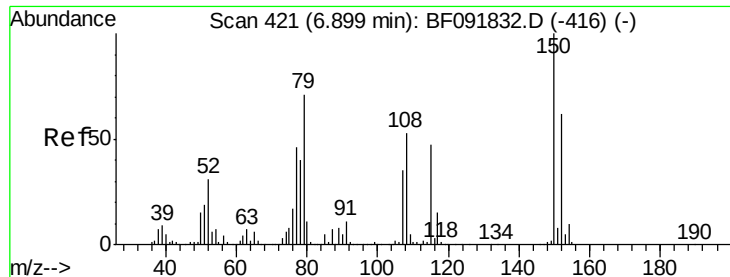
Tgt Ion:146 Resp: 600330
 Ion Ratio Lower Upper
 146 100
 148 65.8 50.6 76.0
 111 38.8 36.2 54.4



#14
 1,2-Dichlorobenzene
 Concen: 44.83 ng
 RT: 6.81 min Scan# 431
 Delta R.T. 0.00 min
 Lab File: BF092113.D
 Acq: 6 Jan 2017 13:29

Tgt Ion:146 Resp: 523336
 Ion Ratio Lower Upper
 146 100
 148 64.1 52.2 78.2
 111 44.2 36.2 54.2





#15

Benzyl Alcohol

Concen: 41.58 ng

RT: 6.80 min Scan# 430

Delta R.T. 0.00 min

Lab File: BF092113.D

Acq: 6 Jan 2017 13:29

Instrument :

BNA_F

ClientSampleId :

PB95763BS

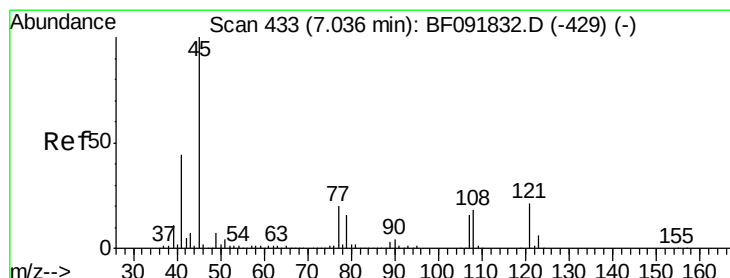
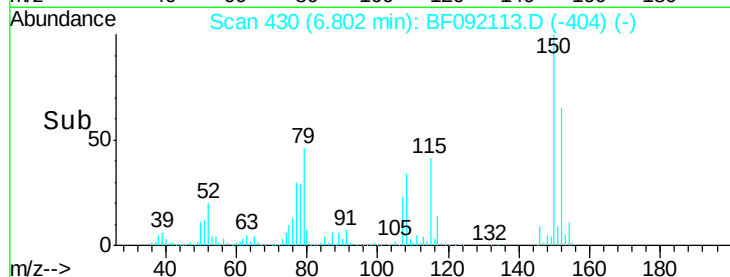
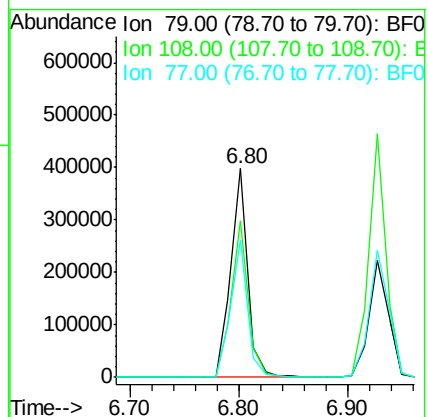
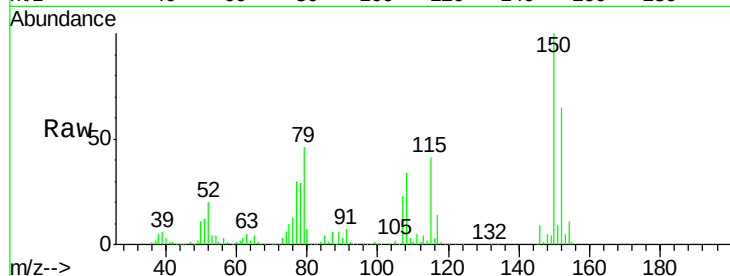
Tgt Ion: 79 Resp: 429355

Ion Ratio Lower Upper

79 100

108 75.3 61.4 92.0

77 65.7 50.9 76.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.56 ng

RT: 6.94 min Scan# 442

Delta R.T. 0.00 min

Lab File: BF092113.D

Acq: 6 Jan 2017 13:29

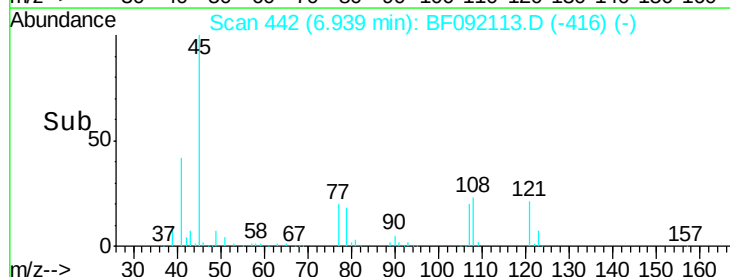
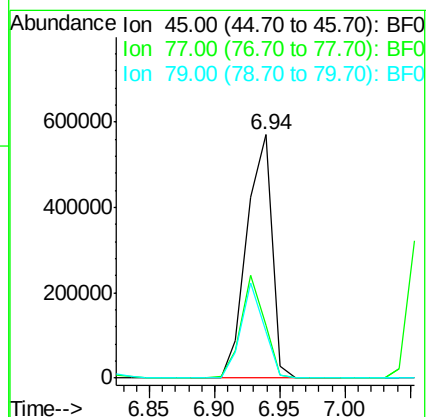
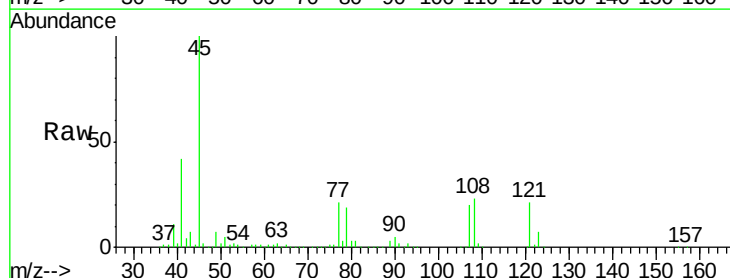
Tgt Ion: 45 Resp: 763795

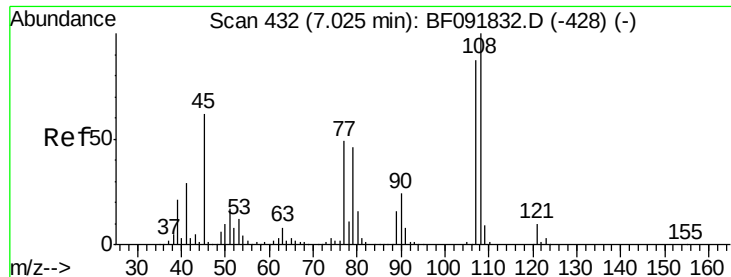
Ion Ratio Lower Upper

45 100

77 21.5 0.0 34.6

79 19.0 0.0 31.2

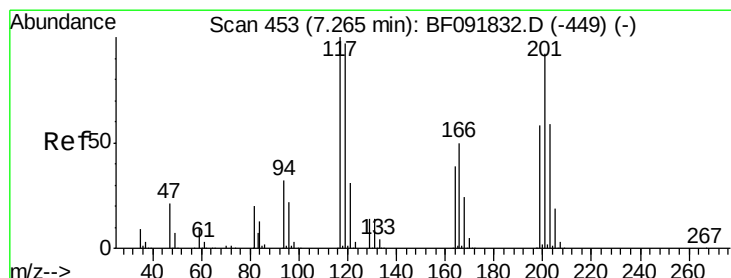
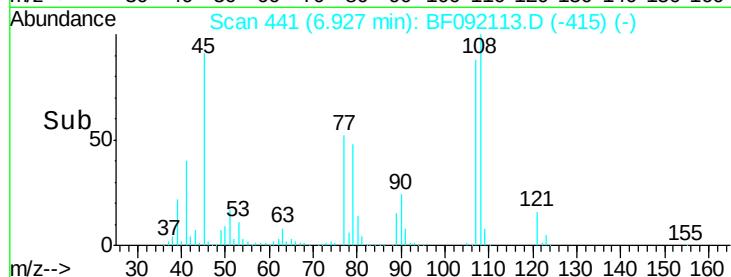
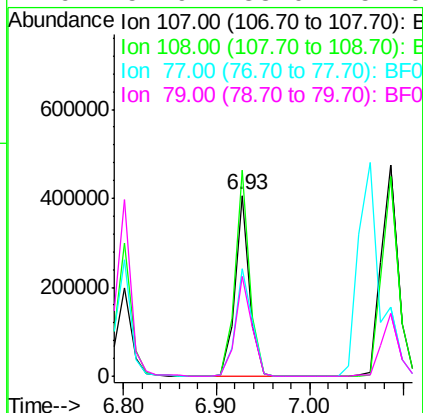
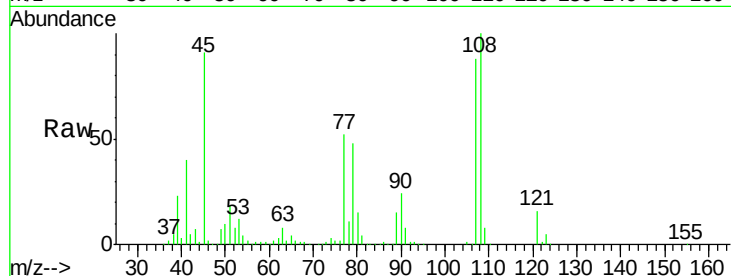




#17
2-Methylphenol
Concen: 44.47 ng
RT: 6.93 min Scan# 441
Delta R.T. 0.00 min
Lab File: BF092113.D
Acq: 6 Jan 2017 13:29

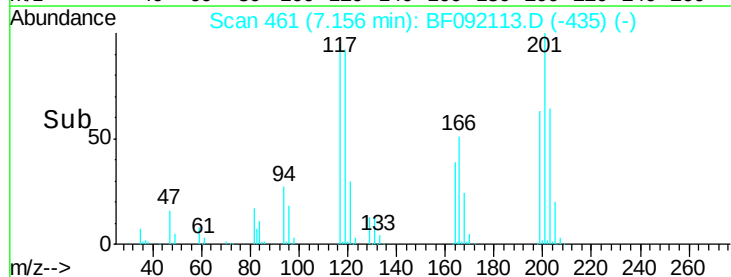
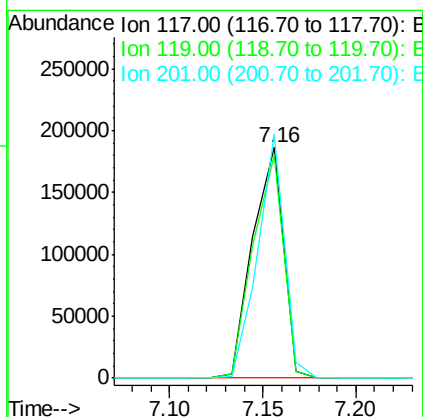
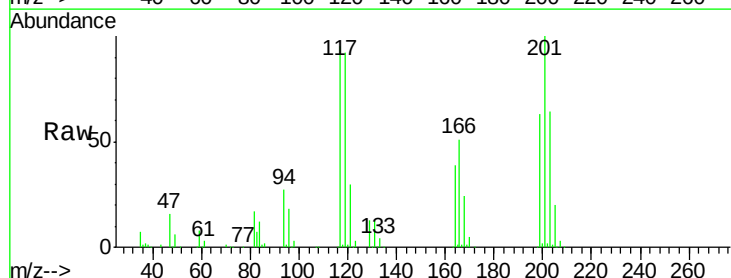
Instrument :
BNA_F
ClientSampleId :
PB95763BS

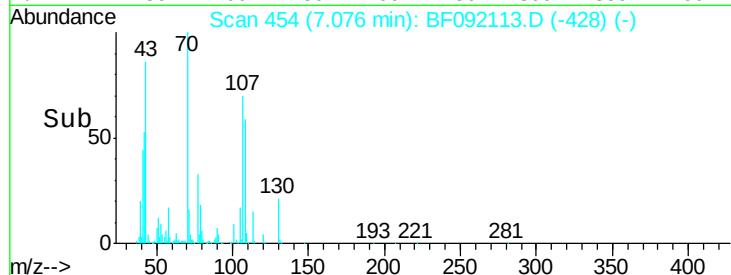
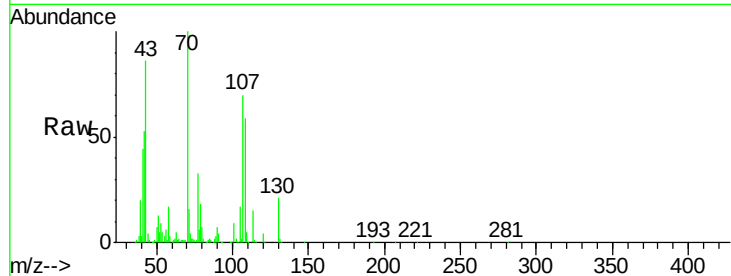
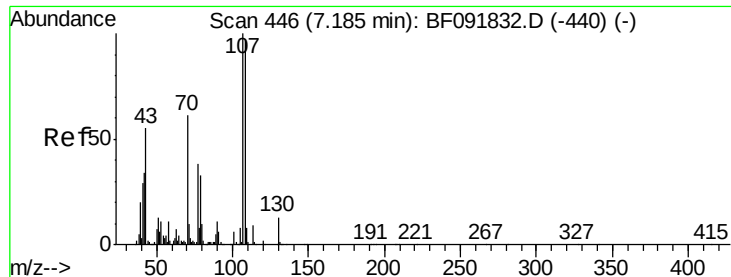
Tgt Ion:	107	Resp:	442826
Ion	Ratio	Lower	Upper
107	100		
108	114.0	93.0	139.6
77	59.3	39.8	59.8
79	54.9	38.0	57.0



#18
Hexachloroethane
Concen: 42.69 ng
RT: 7.16 min Scan# 461
Delta R.T. 0.00 min
Lab File: BF092113.D
Acq: 6 Jan 2017 13:29

Tgt Ion:	117	Resp:	212930
Ion	Ratio	Lower	Upper
117	100		
119	96.8	78.1	117.1
201	105.7	78.6	117.8

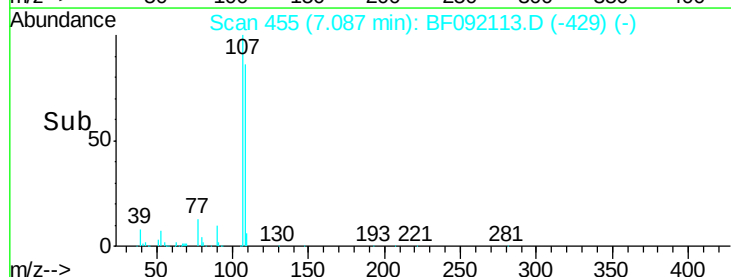
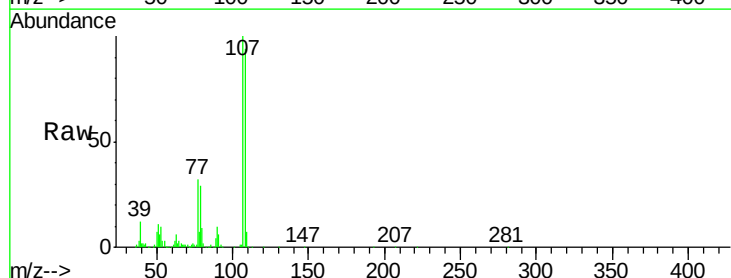
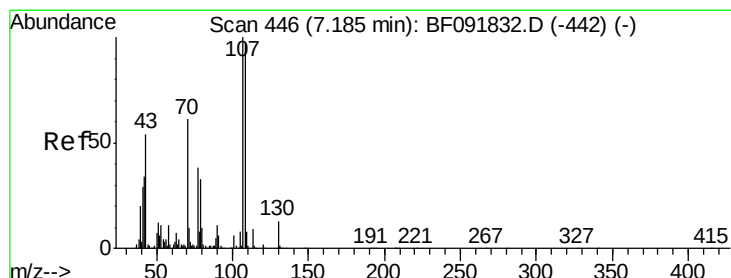
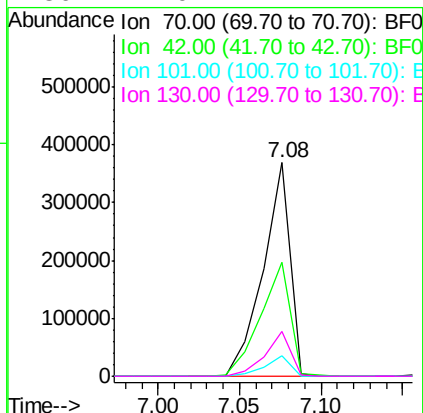




#19
n-Nitroso-di-n-propylamine
Concen: 48.21 ng
RT: 7.08 min Scan# 454
Delta R.T. 0.00 min
Lab File: BF092113.D
Acq: 6 Jan 2017 13:29

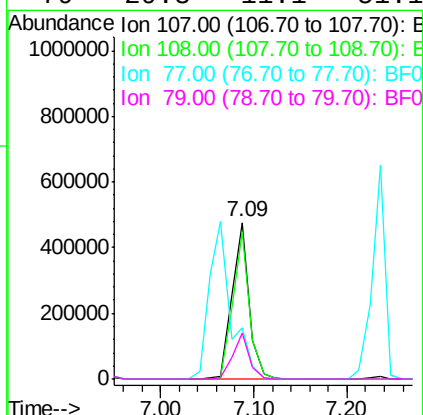
Instrument :
BNA_F
ClientSampleId :
PB95763BS

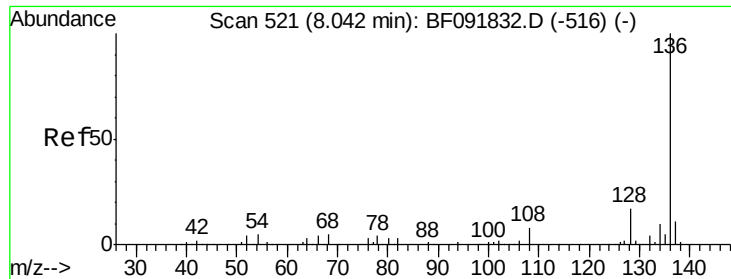
Tgt Ion:	70	Resp:	426242
Ion	Ratio	Lower	Upper
70	100		
42	53.4	49.4	74.0
101	9.4	7.4	11.2
130	21.0	14.2	21.4



#20
3+4-Methylphenols
Concen: 51.23 ng
RT: 7.09 min Scan# 455
Delta R.T. 0.00 min
Lab File: BF092113.D
Acq: 6 Jan 2017 13:29

Tgt Ion:	107	Resp:	608524
Ion	Ratio	Lower	Upper
107	100		
108	94.4	73.0	113.0
77	32.4	71.3	111.3
79	29.3	11.1	51.1

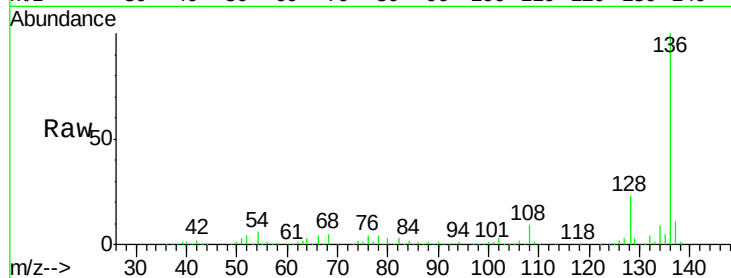




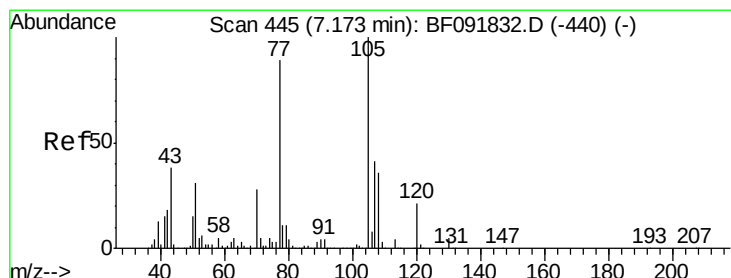
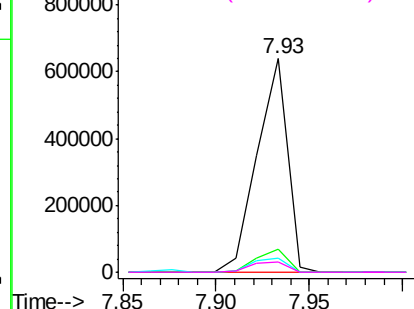
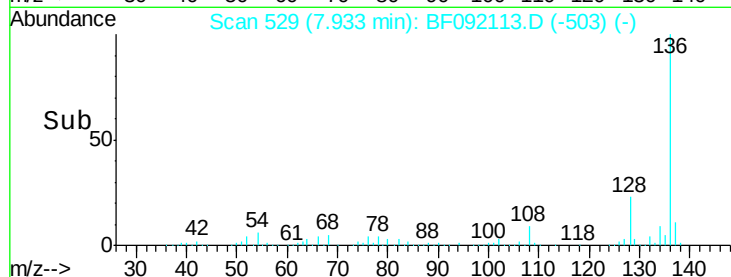
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.93 min Scan# 529
Delta R.T. 0.00 min
Lab File: BF092113.D
Acq: 6 Jan 2017 13:29

Instrument :
BNA_F
ClientSampleId :
PB95763BS

Tgt Ion:	136	Resp:	719912
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	6.4	4.5	6.7
68	5.0	3.6	5.4

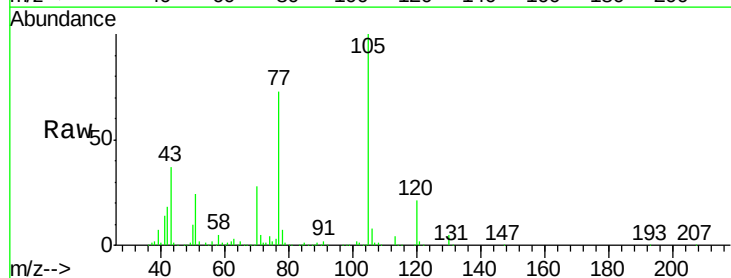


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0



#22
Acetophenone
Concen: 44.43 ng
RT: 7.06 min Scan# 453
Delta R.T. 0.00 min
Lab File: BF092113.D
Acq: 6 Jan 2017 13:29

Tgt Ion:	105	Resp:	788917
Ion	Ratio	Lower	Upper
105	100		
71	4.8	3.2	4.8
51	24.1	26.2	39.4
120	21.2	16.6	24.8



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

