

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011617\
 Data File : BF092306.D
 Acq On : 17 Jan 2017 2:10
 Operator : UM/SJ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jan 17 05:53:27 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 00:52:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	190254	20.00	ng	0.00
21) Naphthalene-d8	7.86	136	757029	20.00	ng	0.00
38) Acenaphthene-d10	9.59	164	441521	20.00	ng	-0.01
63) Phenanthrene-d10	11.07	188	623485	20.00	ng	-0.01
75) Chrysene-d12	13.70	240	324363	20.00	ng	-0.01
86) Perylene-d12	15.06	264	405120	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.15	112	916384	80.42	ng	0.00
7) Phenol-d6	6.23	99	1059201	76.14	ng	0.00
23) Nitrobenzene-d5	7.14	82	961242	70.61	ng	0.00
41) 2,4,6-Tribromophenol	10.39	330	251553	68.84	ng	0.00
44) 2-Fluorobiphenyl	8.93	172	1646970	74.90	ng	0.00
78) Terphenyl-d14	12.66	244	1061139	79.34	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.95	88	228493	40.73	ng	99
3) Pyridine	2.58	79	683650	34.92	ng	96
4) n-Nitrosodimethylamine	2.53	42	248258	33.62	ng	100
6) Aniline	6.22	93	684402	37.88	ng	# 46
8) 2-Chlorophenol	6.36	128	503292	38.83	ng	87
9) Benzaldehyde	6.11	77	326869	41.89	ng	99
10) Phenol	6.24	94	696852	43.96	ng	# 71
11) bis(2-Chloroethyl)ether	6.31	93	531552	42.14	ng	94
12) 1,3-Dichlorobenzene	6.50	146	510554	36.90	ng	# 87
13) 1,4-Dichlorobenzene	6.58	146	529894	37.63	ng	100
14) 1,2-Dichlorobenzene	6.74	146	495857	40.58	ng	98
15) Benzyl Alcohol	6.72	79	392364	36.30	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.86	45	752068	40.04	ng	56
17) 2-Methylphenol	6.85	107	400066	38.38	ng	# 86
18) Hexachloroethane	7.07	117	188915	36.18	ng	# 80
19) n-Nitroso-di-n-propylamine	7.00	70	362458	39.16	ng	95
20) 3+4-Methylphenols	7.01	107	527551	42.43	ng	# 70
22) Acetophenone	6.99	105	700667	37.52	ng	# 93
24) Nitrobenzene	7.16	77	544193	37.53	ng	96
25) Isophorone	7.40	82	884678	35.22	ng	94
26) 2-Nitrophenol	7.48	139	275614	38.54	ng	88
27) 2,4-Dimethylphenol	7.54	122	424762	35.81	ng	97
28) bis(2-Chloroethoxy)methane	7.62	93	539864	35.44	ng	98
29) 2,4-Dichlorophenol	7.73	162	413567	41.18	ng	90
30) 1,2,4-Trichlorobenzene	7.80	180	430668	39.13	ng	96
31) Naphthalene	7.88	128	1416388	40.88	ng	99
32) Benzoic acid	7.68	122	292867	33.29	ng	96
33) 4-Chloroaniline	7.94	127	603083	38.60	ng	99
34) Hexachlorobutadiene	7.99	225	235234	40.49	ng	98
35) Caprolactam	8.31	113	134180	40.66	ng	# 61
36) 4-Chloro-3-methylphenol	8.44	107	506085	43.79	ng	94
37) 2-Methylnaphthalene	8.56	142	989040	48.43	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.74	216	446548	40.03	ng	99
40) Hexachlorocyclopentadiene	8.72	237	100836	23.27	ng	99

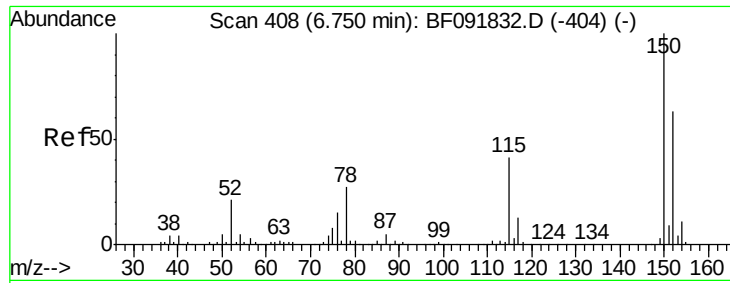
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011617\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.85	196	281168	36.04	ng	94
43) 2,4,5-Trichlorophenol	8.91	196	285305	35.54	ng #	88
45) 1,1'-Biphenyl	9.03	154	1277874	42.27	ng	99
46) 2-Chloronaphthalene	9.06	162	908521	37.95	ng	95
47) 2-Nitroaniline	9.16	65	329744	38.68	ng	92
48) Acenaphthylene	9.46	152	1319817	35.85	ng	99
49) Dimethylphthalate	9.34	163	1092186	38.68	ng	99
50) 2,6-Dinitrotoluene	9.40	165	225381	36.46	ng #	71
51) Acenaphthene	9.63	154	832664	33.36	ng	99
52) 3-Nitroaniline	9.57	138	284597	37.21	ng	96
53) 2,4-Dinitrophenol	9.70	184	72873	21.19	ng #	87
54) Dibenzofuran	9.80	168	1131969	33.58	ng	99
55) 4-Nitrophenol	9.80	139	589026	113.41	ng #	8
56) 2,4-Dinitrotoluene	9.81	165	297943	38.41	ng #	84
57) Fluorene	10.14	166	825108	33.64	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.94	232	227637	35.85	ng	93
59) Diethylphthalate	10.04	149	1042663	38.02	ng	95
60) 4-Chlorophenyl-phenylether	10.14	204	406368	37.84	ng	89
61) 4-Nitroaniline	10.19	138	286897	36.19	ng #	76
62) Azobenzene	10.30	77	1157582	38.34	ng	91
64) 4,6-Dinitro-2-methylphenol	10.22	198	124918	33.13	ng	98
65) n-Nitrosodiphenylamine	10.27	169	865641	46.79	ng	98
66) 4-Bromophenyl-phenylether	10.62	248	264978	40.86	ng	93
67) Hexachlorobenzene	10.69	284	258317	37.26	ng #	90
68) Atrazine	10.79	200	194096	32.52	ng	97
69) Pentachlorophenol	10.90	266	111036	32.64	ng	98
70) Phenanthrene	11.10	178	1301314	38.49	ng	97
71) Anthracene	11.15	178	1227711	39.21	ng	98
72) Carbazole	11.31	167	1071902	35.05	ng	98
73) Di-n-butylphthalate	11.65	149	1285324	39.63	ng	98
74) Fluoranthene	12.28	202	951004	30.86	ng	95
76) Benzidine	12.42	184	375334	45.60	ng	97
77) Pyrene	12.51	202	967904	40.67	ng	97
79) Butylbenzylphthalate	13.14	149	421845	38.97	ng	92
80) Benzo(a)anthracene	13.69	228	731644	39.96	ng	99
81) 3,3'-Dichlorobenzidine	13.66	252	298320	42.97	ng #	94
82) Chrysene	13.73	228	749078	40.79	ng	96
83) Bis(2-ethylhexyl)phthalate	13.70	149	516209	40.50	ng	99
84) Di-n-octyl phthalate	14.31	149	913960	38.71	ng	99
85) Indeno(1,2,3-cd)pyrene	16.29	276	1174684	73.83	ng	97
87) Benzo(b)fluoranthene	14.69	252	1584150	62.81	ng	99
88) Benzo(k)fluoranthene	14.69	252	1584150	73.65	ng	98
89) Benzo(a)pyrene	15.00	252	823413	36.78	ng	99
90) Dibenzo(a,h)anthracene	16.29	278	992548	53.94	ng	99
91) Benzo(g,h,i)perylene	16.65	276	1064494	55.64	ng #	93

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 418

Delta R.T. -0.00 min

Lab File: BF092306.D

Acq: 17 Jan 2017 2:10

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

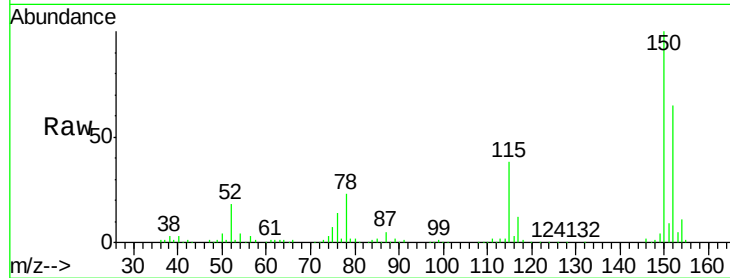
Tgt Ion:152 Resp: 190254

Ion Ratio Lower Upper

152 100

150 153.5 124.9 187.3

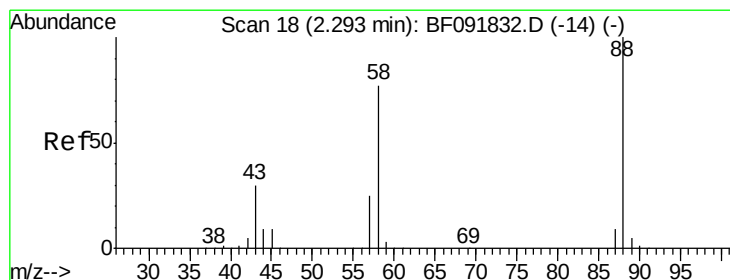
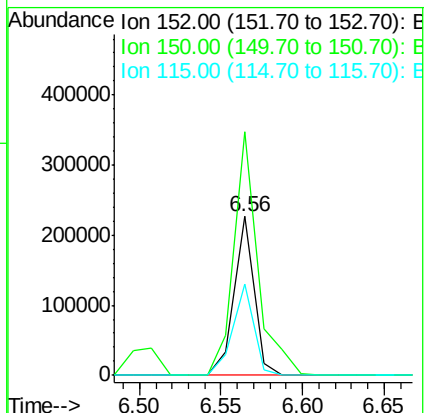
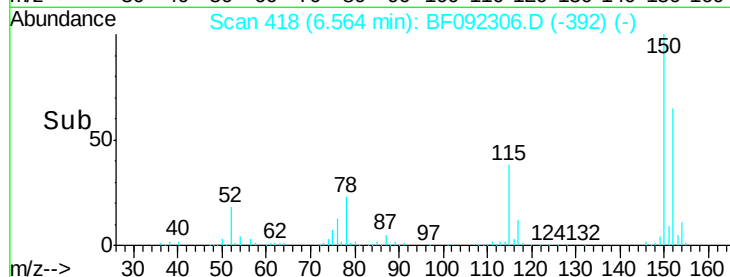
115 57.8 46.0 69.0



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: 40.73 ng

RT: 1.95 min Scan# 14

Delta R.T. -0.03 min

Lab File: BF092306.D

Acq: 17 Jan 2017 2:10

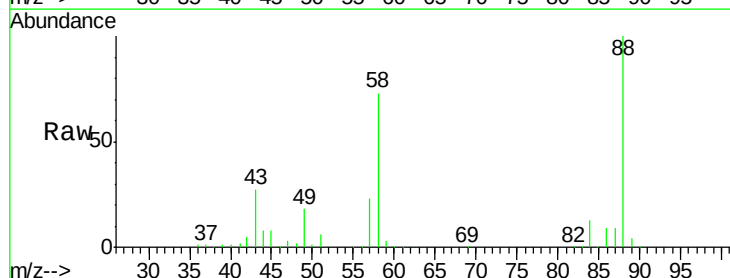
Tgt Ion: 88 Resp: 228493

Ion Ratio Lower Upper

88 100

58 72.6 57.8 86.8

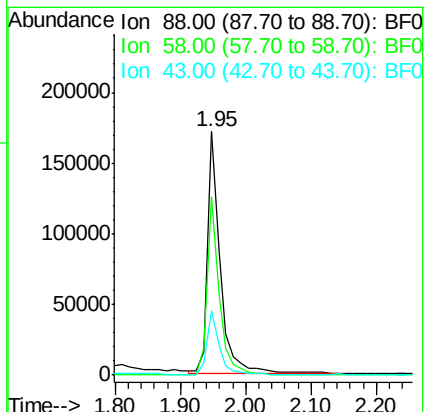
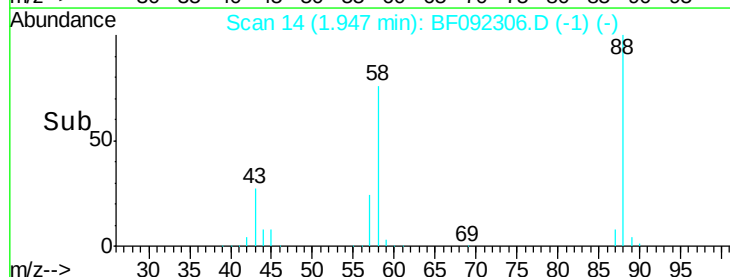
43 25.7 22.3 33.5

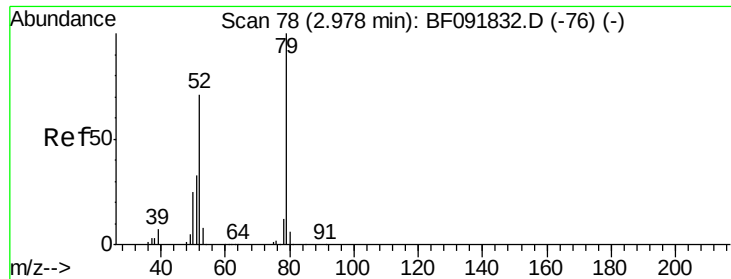


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 34.92 ng

RT: 2.58 min Scan# 69

Delta R.T. -0.02 min

Lab File: BF092306.D

Acq: 17 Jan 2017 2:10

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

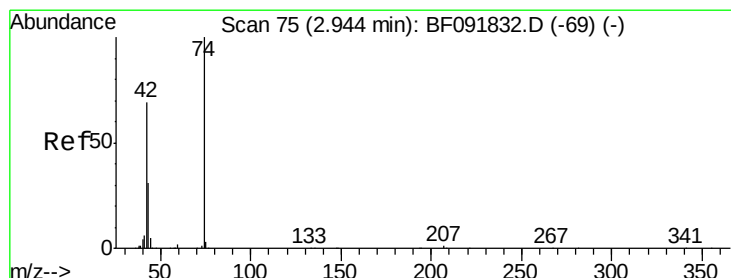
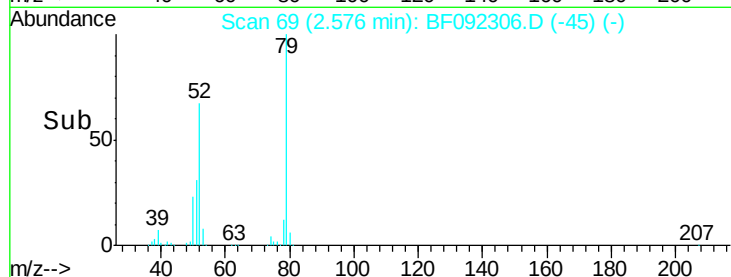
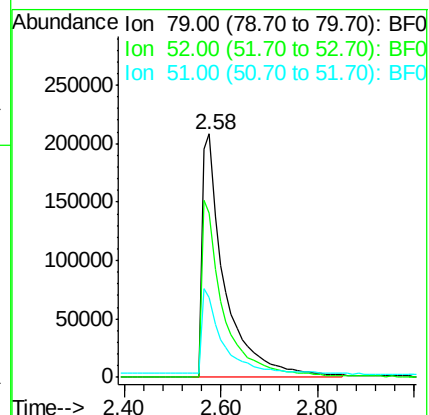
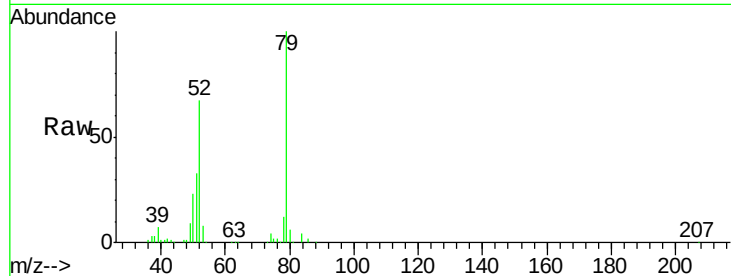
Tgt Ion: 79 Resp: 683650

Ion Ratio Lower Upper

79 100

52 67.3 57.1 85.7

51 32.6 27.3 40.9



#4

n-Nitrosodimethylamine

Concen: 33.62 ng

RT: 2.53 min Scan# 65

Delta R.T. -0.03 min

Lab File: BF092306.D

Acq: 17 Jan 2017 2:10

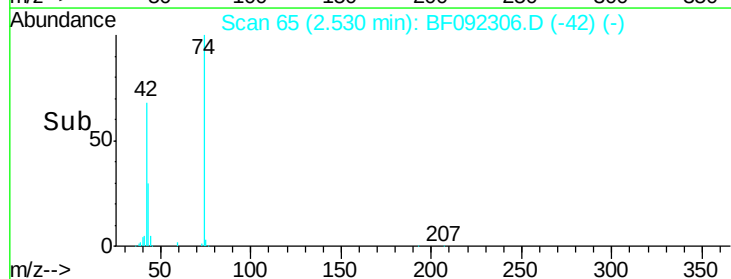
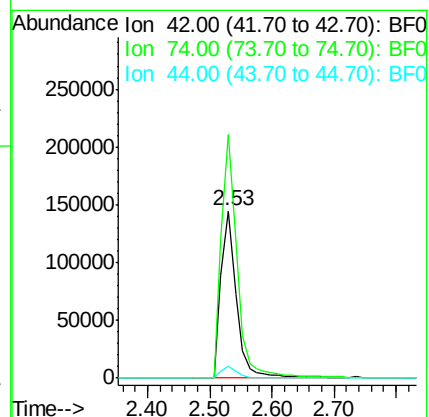
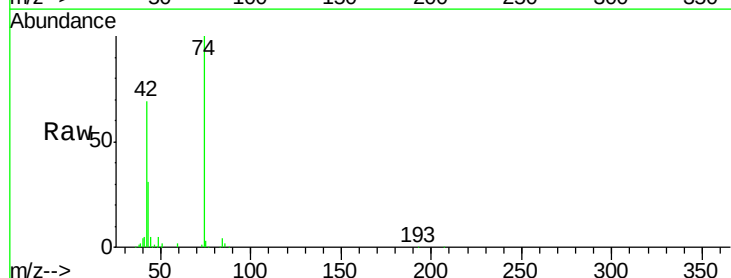
Tgt Ion: 42 Resp: 248258

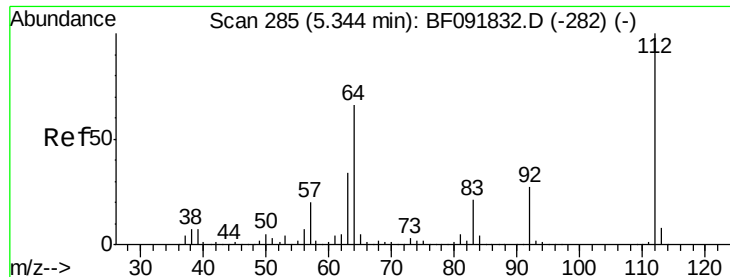
Ion Ratio Lower Upper

42 100

74 145.7 117.0 175.4

44 7.1 5.5 8.3





#5

2-Fluorophenol

Concen: 80.42 ng

RT: 5.15 min Scan# 294

Delta R.T. -0.00 min

Lab File: BF092306.D

Acq: 17 Jan 2017 2:10

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

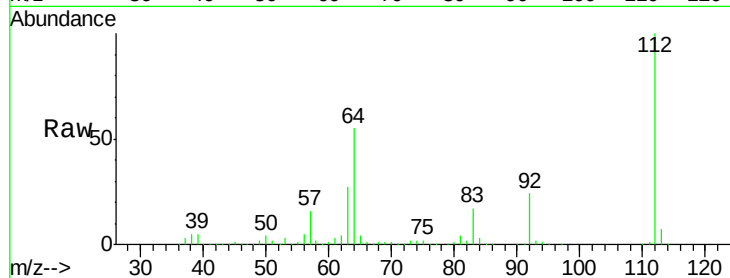
Tgt Ion: 112 Resp: 916384

Ion Ratio Lower Upper

112 100

64 55.2 46.1 69.1

63 27.5 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

800000

600000

400000

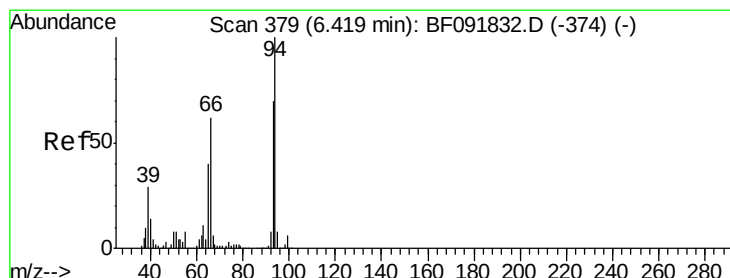
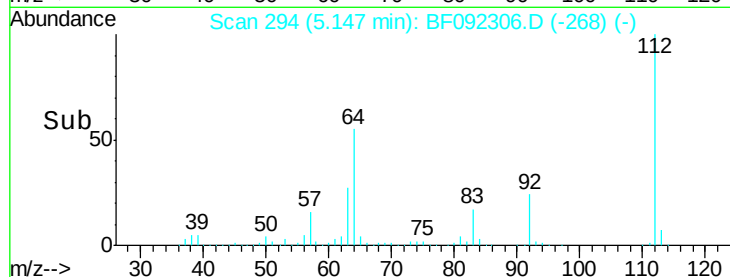
200000

0

5.15

5.00 5.10 5.20 5.30 5.40

Time-->



#6

Aniline

Concen: 37.88 ng

RT: 6.22 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF092306.D

Acq: 17 Jan 2017 2:10

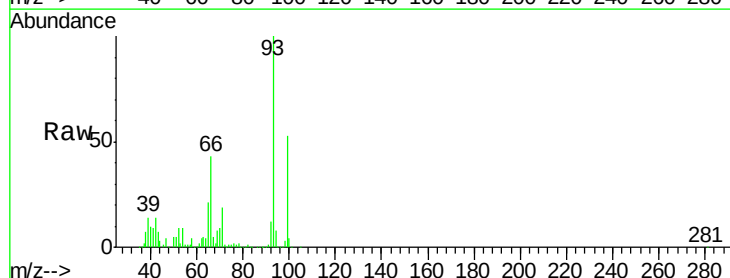
Tgt Ion: 93 Resp: 684402

Ion Ratio Lower Upper

93 100

66 42.7 76.2 114.2#

65 20.7 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

600000

400000

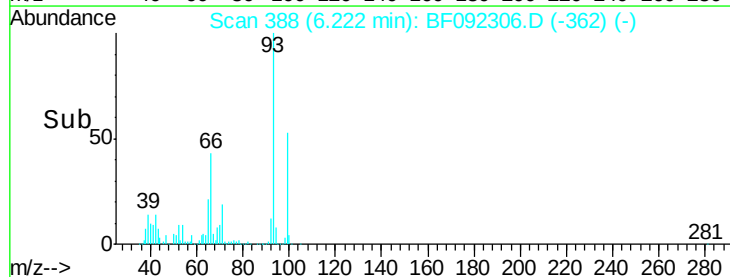
200000

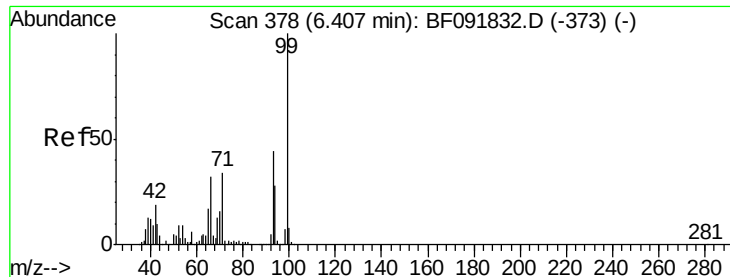
0

6.22

6.15 6.20 6.25 6.30

Time-->





#7

Phenol-d6

Concen: 76.14 ng

RT: 6.23 min Scan# 389

Delta R.T. -0.00 min

Lab File: BF092306.D

Acq: 17 Jan 2017 2:10

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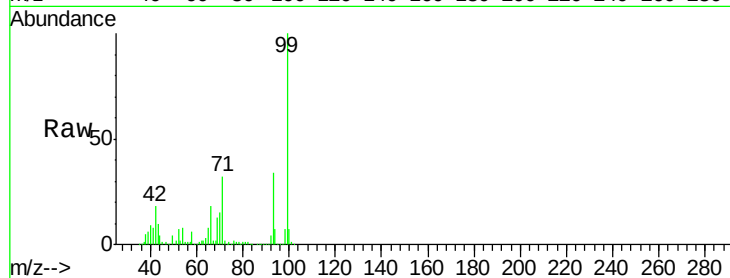
Tgt Ion: 99 Resp: 1059201

Ion Ratio Lower Upper

99 100

42 18.2 15.6 23.4

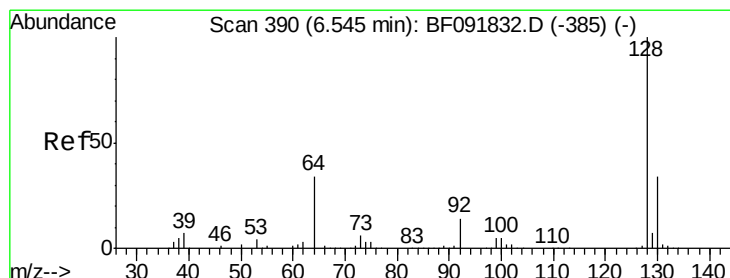
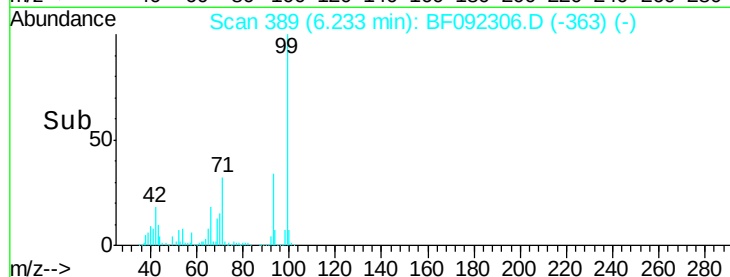
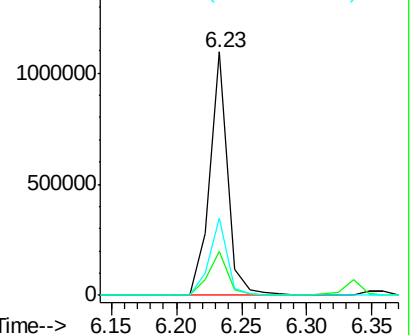
71 31.6 27.5 41.3



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: 38.83 ng

RT: 6.36 min Scan# 400

Delta R.T. -0.00 min

Lab File: BF092306.D

Acq: 17 Jan 2017 2:10

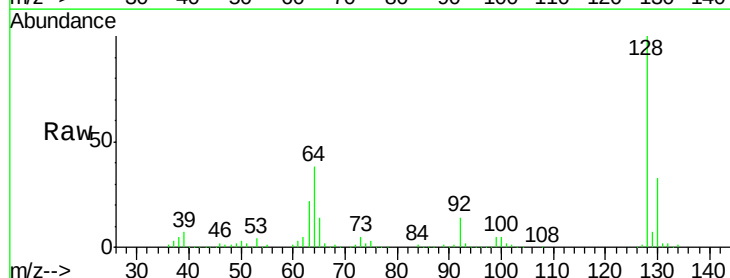
Tgt Ion: 128 Resp: 503292

Ion Ratio Lower Upper

128 100

130 32.9 12.3 52.3

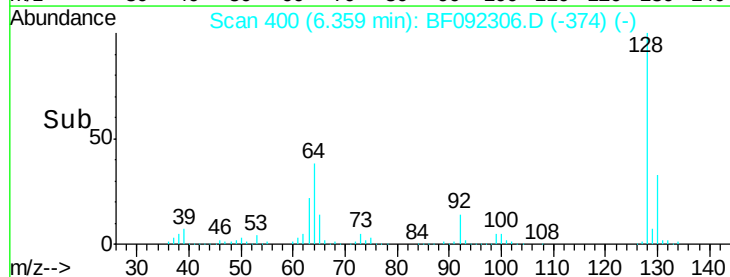
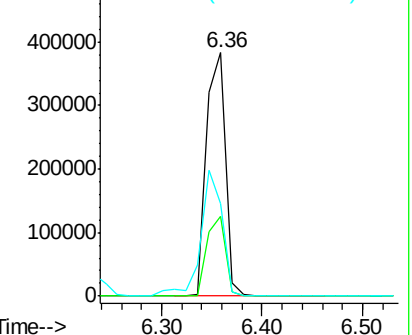
64 38.0 32.2 72.2

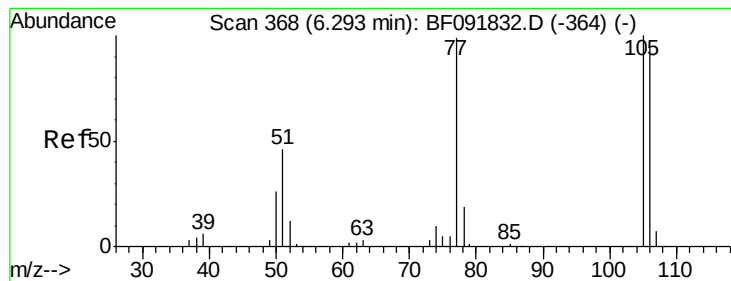


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 41.89 ng

RT: 6.11 min Scan# 378

Delta R.T. -0.00 min

Lab File: BF092306.D

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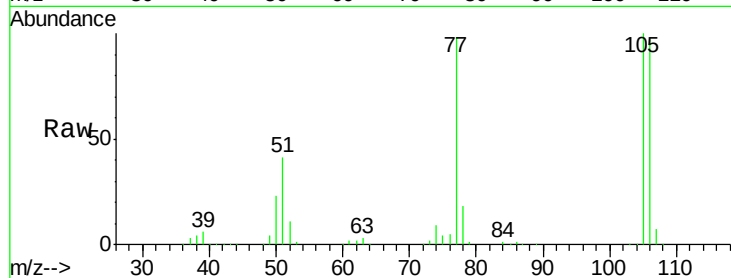
Tgt Ion: 77 Resp: 326869

Ion Ratio Lower Upper

77 100

105 101.9 83.9 123.9

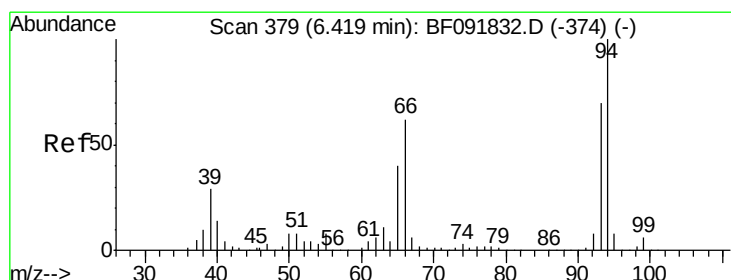
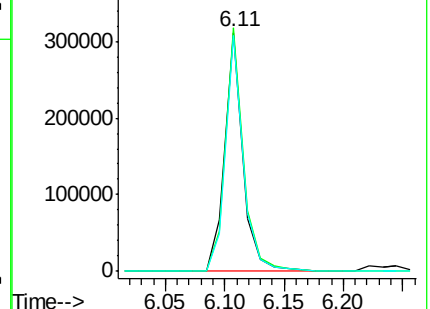
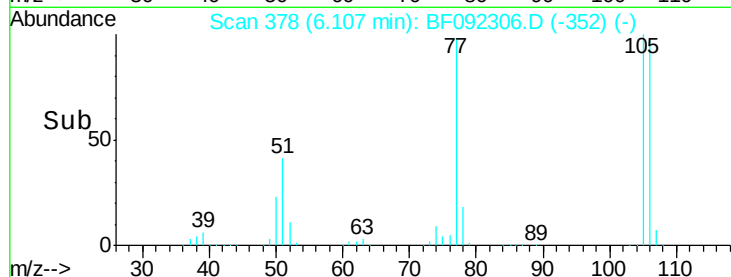
106 98.6 77.6 117.6



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: 43.96 ng

RT: 6.24 min Scan# 390

Delta R.T. -0.00 min

Lab File: BF092306.D

Acq: 17 Jan 2017 2:10

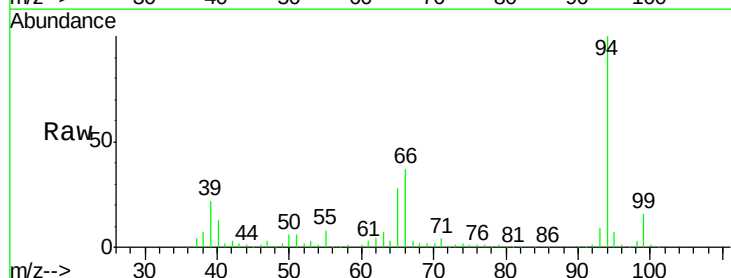
Tgt Ion: 94 Resp: 696852

Ion Ratio Lower Upper

94 100

65 27.8 21.4 61.4

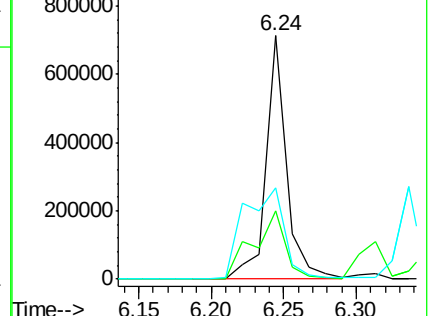
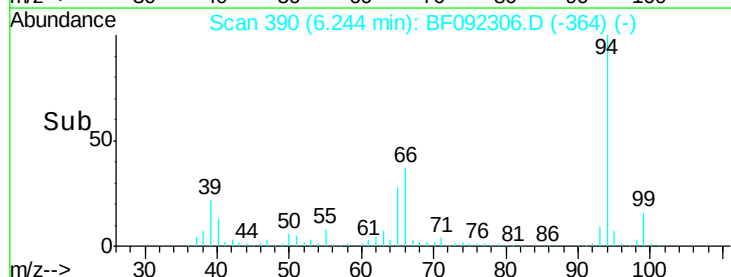
66 37.4 44.0 84.0#

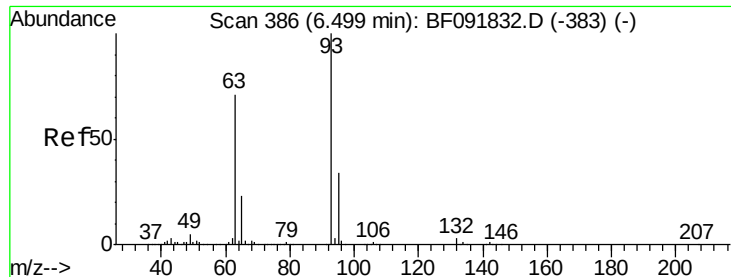


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

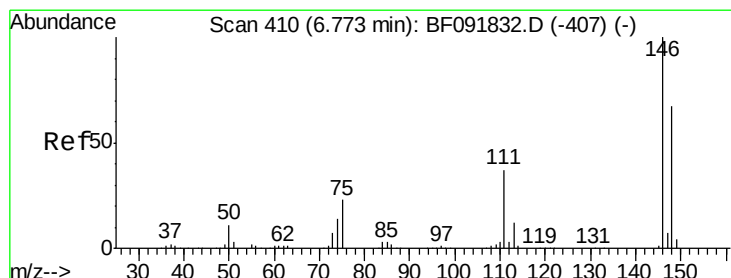
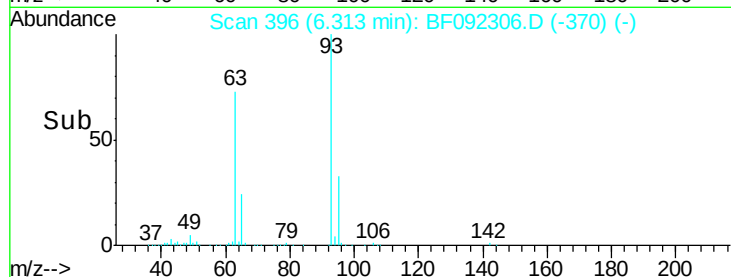
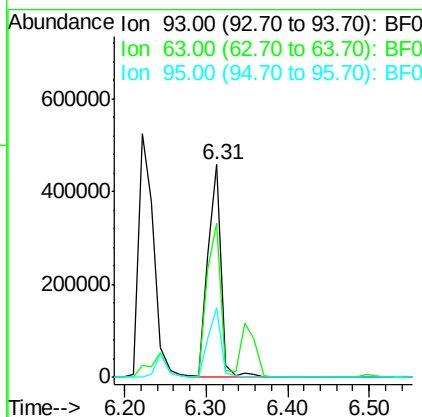
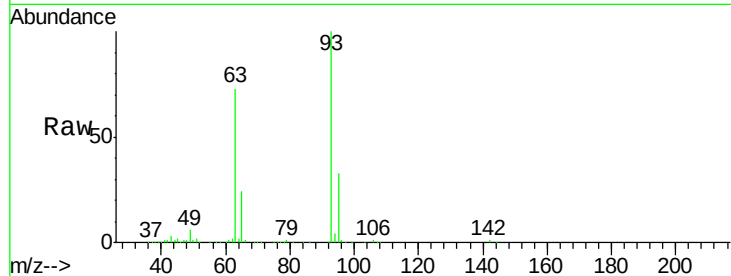




#11
bis(2-Chloroethyl)ether
Concen: 42.14 ng
RT: 6.31 min Scan# 396
Delta R.T. -0.00 min
Lab File: BF092306.D
Acq: 17 Jan 2017 2:10

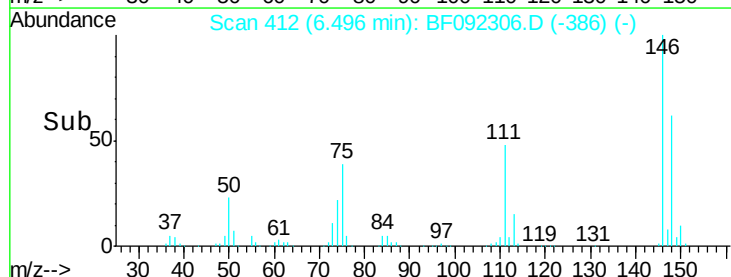
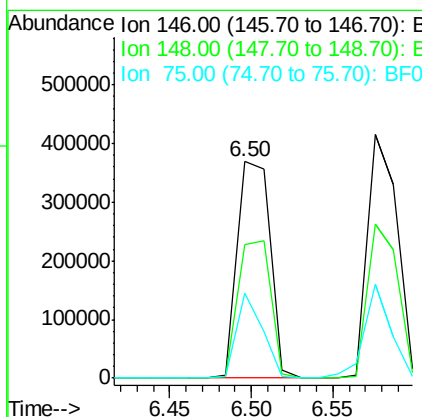
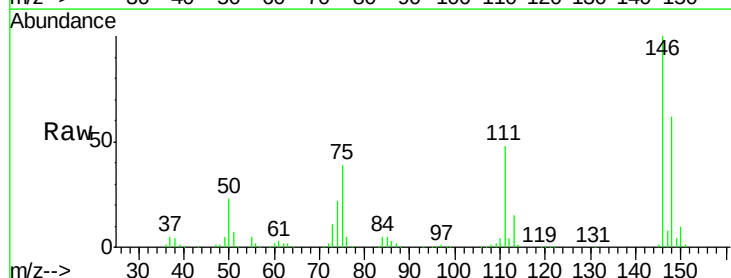
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

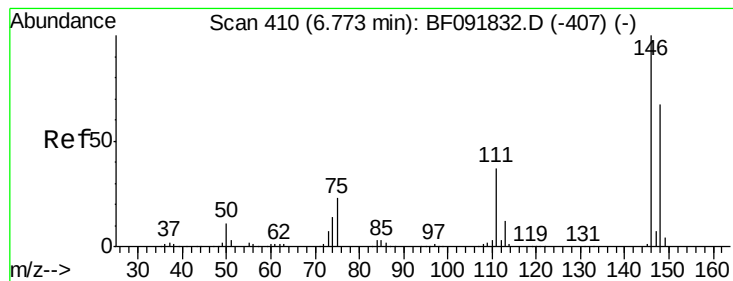
Tgt Ion: 93 Resp: 531552
Ion Ratio Lower Upper
93 100
63 72.8 60.4 100.4
95 32.8 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 36.90 ng
RT: 6.50 min Scan# 412
Delta R.T. -0.00 min
Lab File: BF092306.D
Acq: 17 Jan 2017 2:10

Tgt Ion: 146 Resp: 510554
Ion Ratio Lower Upper
146 100
148 61.9 53.4 80.0
75 39.3 18.5 27.7#





#13

1,4-Dichlorobenzene

Concen: 37.63 ng

RT: 6.58 min Scan# 419

Delta R.T. -0.00 min

Lab File: BF092306.D

Acq: 17 Jan 2017 2:10

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

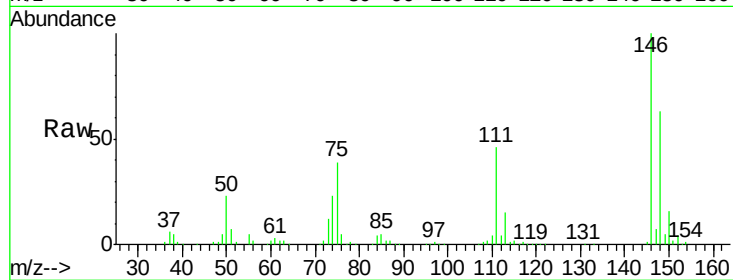
Tgt Ion:146 Resp: 529894

Ion Ratio Lower Upper

146 100

148 63.2 50.6 76.0

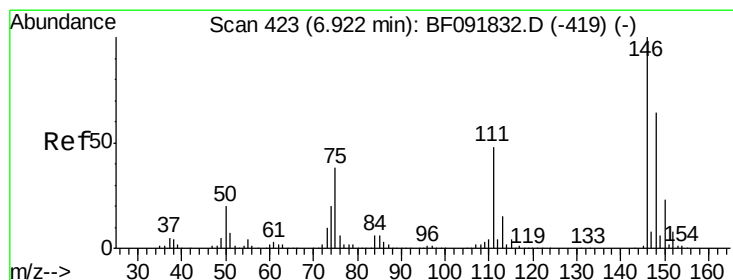
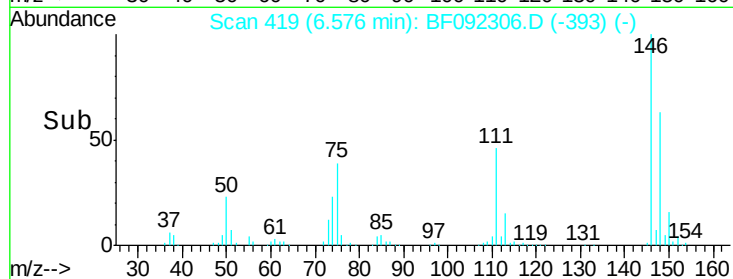
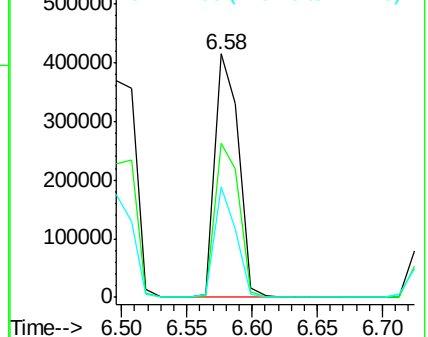
111 45.6 36.2 54.4



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



#14

1,2-Dichlorobenzene

Concen: 40.58 ng

RT: 6.74 min Scan# 433

Delta R.T. -0.00 min

Lab File: BF092306.D

Acq: 17 Jan 2017 2:10

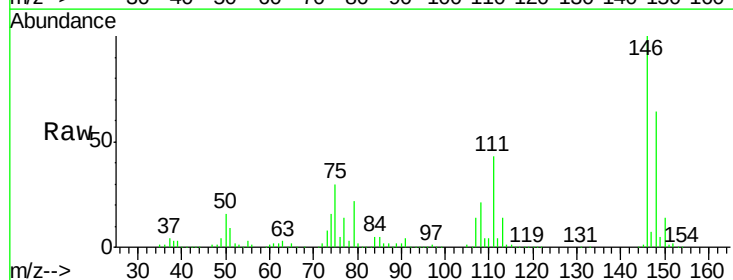
Tgt Ion:146 Resp: 495857

Ion Ratio Lower Upper

146 100

148 64.5 52.2 78.2

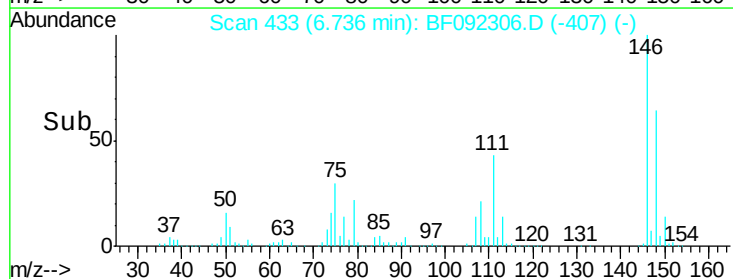
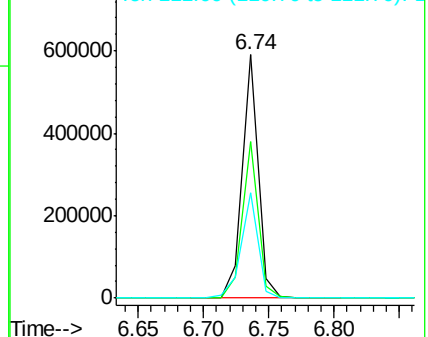
111 43.0 36.2 54.2

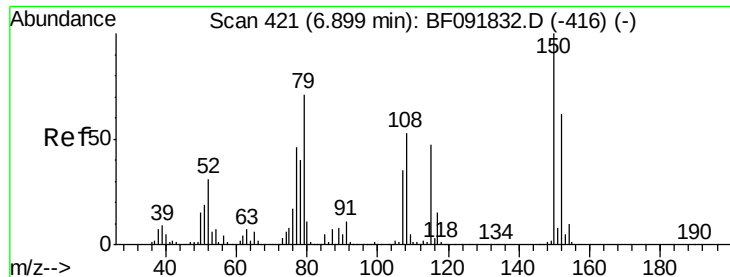


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 36.30 ng

RT: 6.72 min Scan# 432

Delta R.T. -0.00 min

Lab File: BF092306.D

Acq: 17 Jan 2017 2:10

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

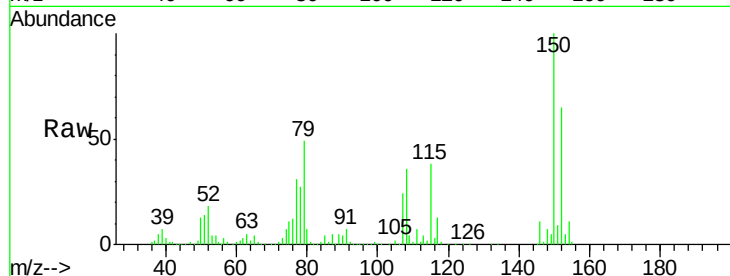
Tgt Ion: 79 Resp: 392364

Ion Ratio Lower Upper

79 100

108 72.9 61.4 92.0

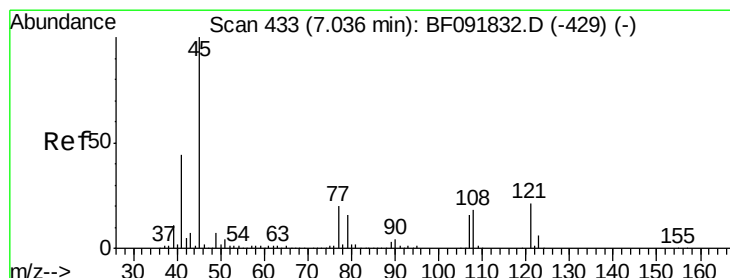
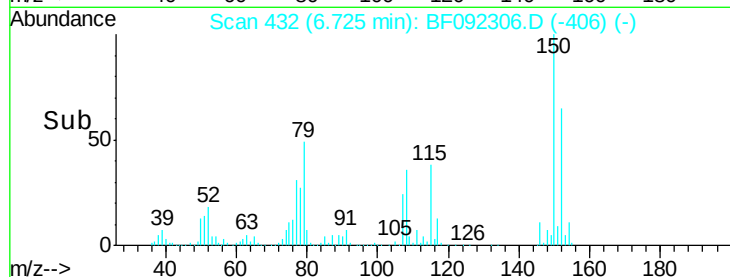
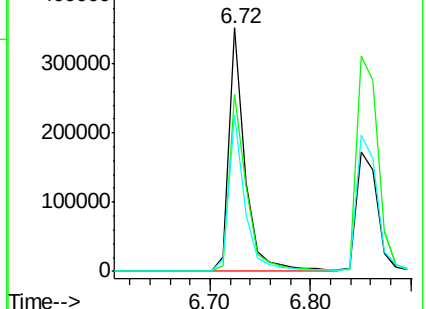
77 64.1 50.9 76.3



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.04 ng

RT: 6.86 min Scan# 444

Delta R.T. -0.00 min

Lab File: BF092306.D

Acq: 17 Jan 2017 2:10

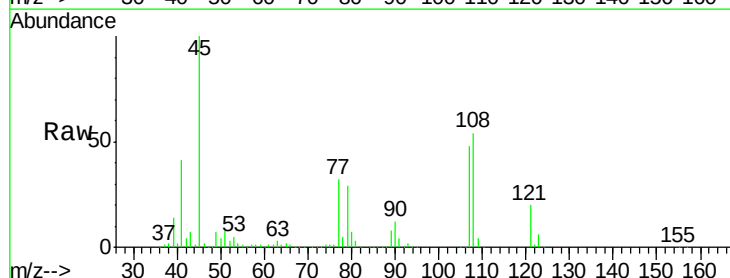
Tgt Ion: 45 Resp: 752068

Ion Ratio Lower Upper

45 100

77 32.2 0.0 34.6

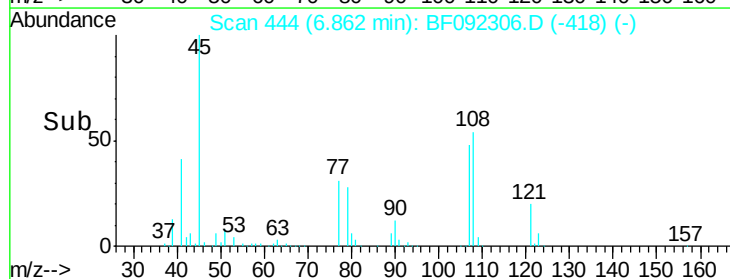
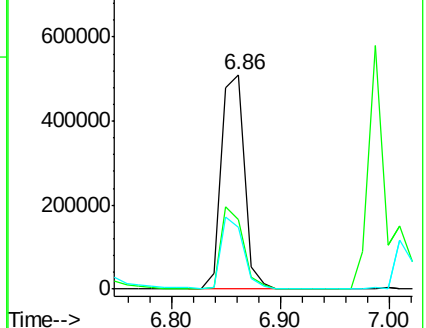
79 28.7 0.0 31.2

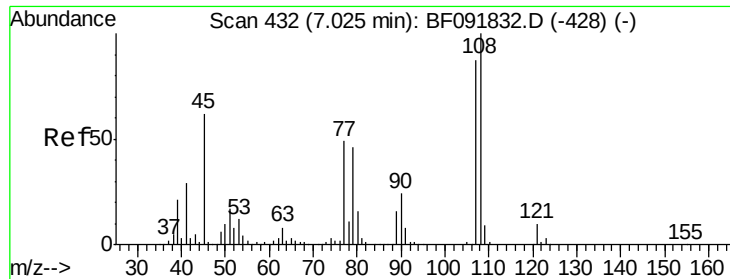


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

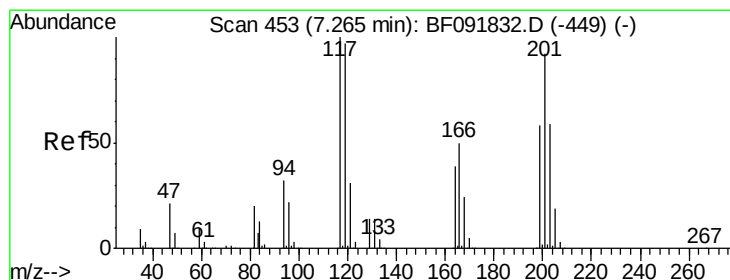
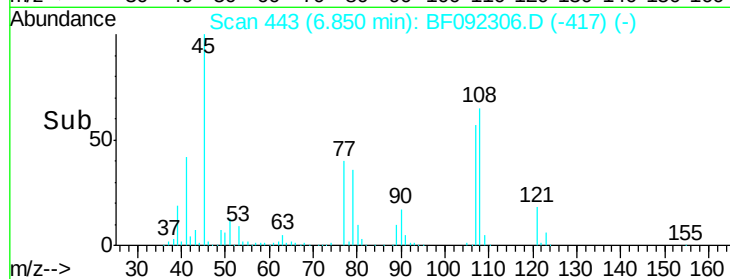
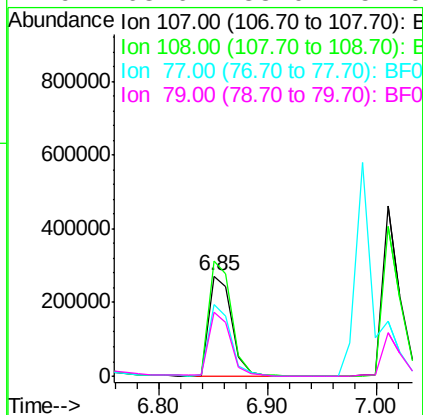
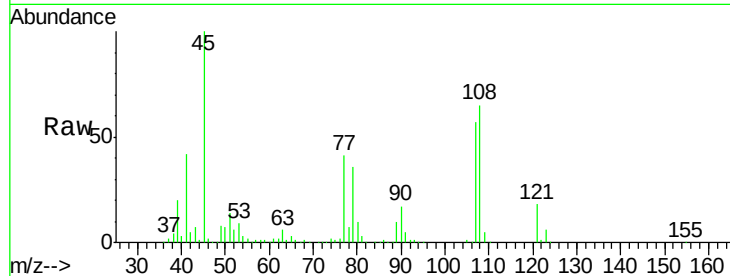




#17
2-Methylphenol
Concen: 38.38 ng
RT: 6.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: BF092306.D
Acq: 17 Jan 2017 2:10

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 400066
Ion Ratio Lower Upper
107 100
108 115.1 93.0 139.6
77 72.2 39.8 59.8#
79 63.6 38.0 57.0#



#18
Hexachloroethane
Concen: 36.18 ng
RT: 7.07 min Scan# 462
Delta R.T. -0.00 min
Lab File: BF092306.D
Acq: 17 Jan 2017 2:10

Tgt Ion:117 Resp: 188915
Ion Ratio Lower Upper
117 100
119 93.5 78.1 117.1
201 63.0 78.6 117.8#

