

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122716\
 Data File : BF091991.D
 Acq On : 28 Dec 2016 4:06
 Operator : UM/SJ
 Sample : PB95631BSD
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB95631BSD

Quant Time: Dec 28 06:10:00 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	217302	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	912752	20.00	ng	-0.02
38) Acenaphthene-d10	9.78	164	480898	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	773230	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	534883	20.00	ng	-0.01
86) Perylene-d12	15.29	264	500228	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	998763	76.74	ng	0.01
7) Phenol-d6	6.41	99	1235759	77.77	ng	0.00
23) Nitrobenzene-d5	7.30	82	1294482	78.86	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	280766	70.55	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	2321720	101.41	ng	-0.01
78) Terphenyl-d14	12.84	244	1963323	89.02	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.33	88	212657	33.19	ng	# 90
3) Pyridine	3.00	79	586928	26.25	ng	98
4) n-Nitrosodimethylamine	2.96	42	300652	35.64	ng	92
6) Aniline	6.41	93	275000	13.33	ng	# 64
8) 2-Chlorophenol	6.52	128	621980	42.02	ng	97
9) Benzaldehyde	6.27	77	71219	5.86	ng	99
10) Phenol	6.42	94	878478	48.52	ng	# 71
11) bis(2-Chloroethyl)ether	6.46	93	658177	45.69	ng	97
12) 1,3-Dichlorobenzene	6.67	146	636515	40.28	ng	97
13) 1,4-Dichlorobenzene	6.75	146	631462	39.26	ng	93
14) 1,2-Dichlorobenzene	6.90	146	598506	42.88	ng	99
15) Benzyl Alcohol	6.89	79	209533	16.97	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.01	45	864586	40.30	ng	64
17) 2-Methylphenol	7.02	107	507887	42.66	ng	# 93
18) Hexachloroethane	7.24	117	236223	39.61	ng	96
19) n-Nitroso-di-n-propylamine	7.16	70	519827	49.18	ng	# 89
20) 3+4-Methylphenols	7.17	107	736818	51.89	ng	# 70
22) Acetophenone	7.15	105	940445	41.77	ng	# 89
24) Nitrobenzene	7.32	77	739575	42.30	ng	94
25) Isophorone	7.56	82	1188212	39.24	ng	97
26) 2-Nitrophenol	7.64	139	362232	42.01	ng	# 87
27) 2,4-Dimethylphenol	7.70	122	577736	40.40	ng	99
28) bis(2-Chloroethoxy)methane	7.78	93	801520	43.65	ng	100
29) 2,4-Dichlorophenol	7.89	162	515538	42.58	ng	89
30) 1,2,4-Trichlorobenzene	7.96	180	524124	39.50	ng	95
31) Naphthalene	8.04	128	1847234	44.22	ng	99
32) Benzoic acid	7.85	122	261080	24.62	ng	98
33) 4-Chloroaniline	8.11	127	180841	9.60	ng	96
34) Hexachlorobutadiene	8.16	225	301767	43.08	ng	99
35) Caprolactam	8.48	113	100369	25.22	ng	# 57
36) 4-Chloro-3-methylphenol	8.61	107	514352	36.92	ng	97
37) 2-Methylnaphthalene	8.74	142	1137002	44.86	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.90	216	461923	38.02	ng	# 97
40) Hexachlorocyclopentadiene	8.89	237	443803	81.92	ng	96

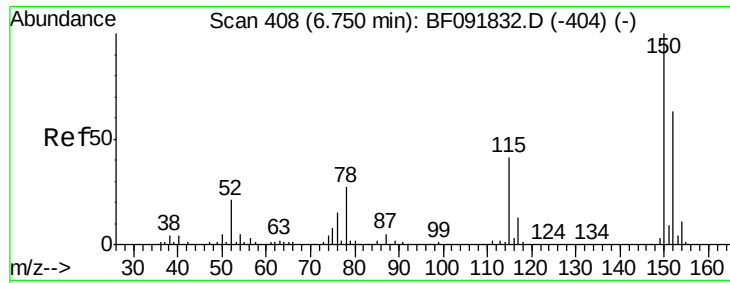
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122716\
 Data File : BF091991.D
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.02	196	344029	40.49	ng	97
43) 2,4,5-Trichlorophenol	9.08	196	328706	37.59	ng	# 84
45) 1,1'-Biphenyl	9.20	154	1337728	40.63	ng	96
46) 2-Chloronaphthalene	9.22	162	1023318	39.24	ng	94
47) 2-Nitroaniline	9.33	65	397623	42.83	ng	# 78
48) Acenaphthylene	9.64	152	1783603	44.48	ng	98
49) Dimethylphthalate	9.50	163	1269911	41.29	ng	98
50) 2,6-Dinitrotoluene	9.57	165	333421	49.53	ng	97
51) Acenaphthene	9.81	154	1008592	37.10	ng	99
52) 3-Nitroaniline	9.74	138	148105	17.78	ng	# 75
53) 2,4-Dinitrophenol	9.85	184	172845	46.14	ng	# 50
54) Dibenzofuran	9.98	168	1504596	40.98	ng	96
55) 4-Nitrophenol	9.94	139	415359	73.43	ng	99
56) 2,4-Dinitrotoluene	9.97	165	321608	38.06	ng	# 79
57) Fluorene	10.33	166	1176174	44.03	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.11	232	295680	42.75	ng	98
59) Diethylphthalate	10.20	149	1169005	39.14	ng	99
60) 4-Chlorophenyl-phenylether	10.32	204	485822	41.53	ng	97
61) 4-Nitroaniline	10.36	138	311470	36.08	ng	94
62) Azobenzene	10.48	77	1442226	43.85	ng	98
64) 4,6-Dinitro-2-methylphenol	10.38	198	163780	35.03	ng	76
65) n-Nitrosodiphenylamine	10.44	169	1066688	46.49	ng	99
66) 4-Bromophenyl-phenylether	10.81	248	362199	45.03	ng	# 89
67) Hexachlorobenzene	10.88	284	366535	42.63	ng	# 83
68) Atrazine	10.98	200	374395	50.59	ng	96
69) Pentachlorophenol	11.07	266	257445	61.03	ng	99
70) Phenanthrene	11.29	178	1636012	39.02	ng	98
71) Anthracene	11.33	178	1723078	47.10	ng	100
72) Carbazole	11.49	167	1403421	38.02	ng	99
73) Di-n-butylphthalate	11.83	149	1833226	46.26	ng	99
74) Fluoranthene	12.47	202	1626824	44.15	ng	99
76) Benzidine	12.59	184	483900	33.36	ng	96
77) Pyrene	12.69	202	1668595	42.52	ng	99
79) Butylbenzylphthalate	13.32	149	794656	44.52	ng	99
80) Benzo(a)anthracene	13.88	228	1304907	43.22	ng	100
81) 3,3'-Dichlorobenzidine	13.85	252	299258	26.14	ng	97
82) Chrysene	13.93	228	1337875	44.17	ng	97
83) Bis(2-ethylhexyl)phthalate	13.88	149	992083	47.20	ng	100
84) Di-n-octyl phthalate	14.50	149	1900272	48.80	ng	99
85) Indeno(1,2,3-cd)pyrene	16.64	276	1492512	56.89	ng	97
87) Benzo(h)fluoranthene	14.93	252	2537170	81.47	ng	# 95
88) Benzo(k)fluoranthene	14.93	252	2538331	95.58	ng	# 96
89) Benzo(a)pyrene	15.24	252	1207769	43.69	ng	# 95
90) Dibenzo(a,h)anthracene	16.65	278	1212158	53.35	ng	99
91) Benzo(g,h,i)perylene	17.04	276	1278507	54.12	ng	# 95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF091991.D

Acq: 28 Dec 2016 4:06

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BNA_F

ClientSampleId :

PB95631BSD

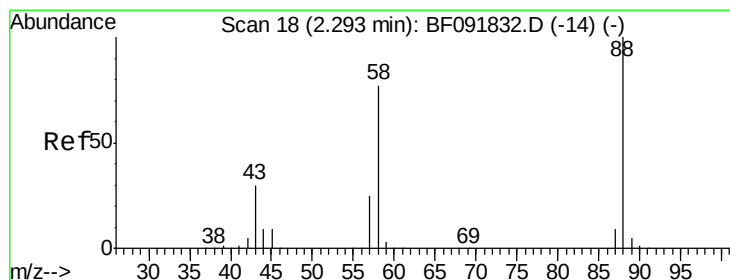
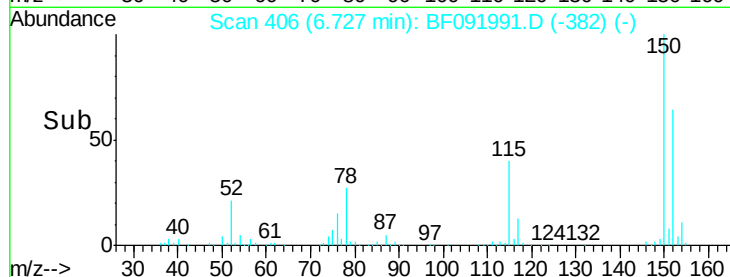
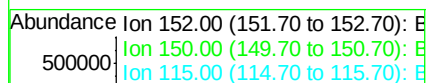
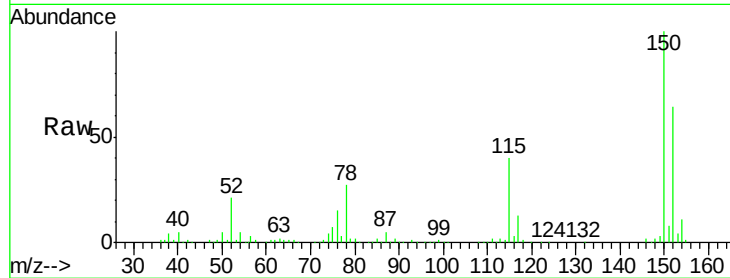
Tgt Ion:152 Resp: 217302

Ion Ratio Lower Upper

152 100

150 156.0 124.9 187.3

115 63.0 46.0 69.0



#2

1,4-Dioxane

Concen: 33.19 ng

RT: 2.33 min Scan# 21

Delta R.T. 0.03 min

Lab File: BF091991.D

Acq: 28 Dec 2016 4:06

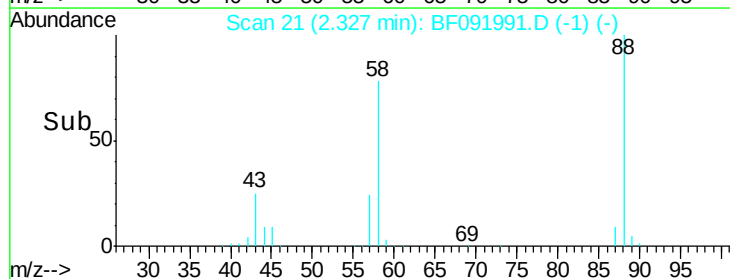
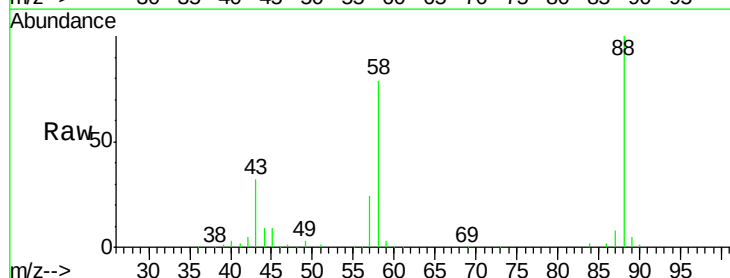
Tgt Ion: 88 Resp: 212657

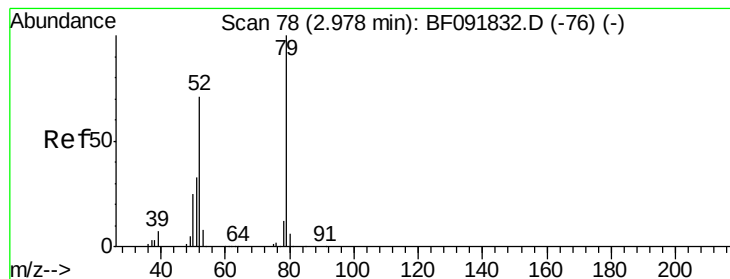
Ion Ratio Lower Upper

88 100

58 78.2 57.8 86.8

43 37.1 22.3 33.5#





#3

Pyridine

Concen: 26.25 ng

RT: 3.00 min Scan# 80

Delta R.T. 0.02 min

Lab File: BF091991.D

Acq: 28 Dec 2016 4:06

Instrument :

BNA_F

ClientSampleId :

PB95631BSD

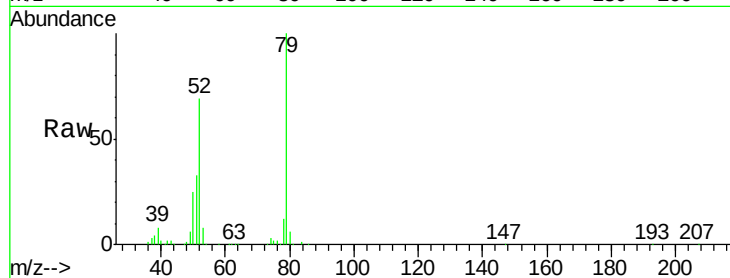
Tgt Ion: 79 Resp: 586928

Ion Ratio Lower Upper

79 100

52 69.4 57.1 85.7

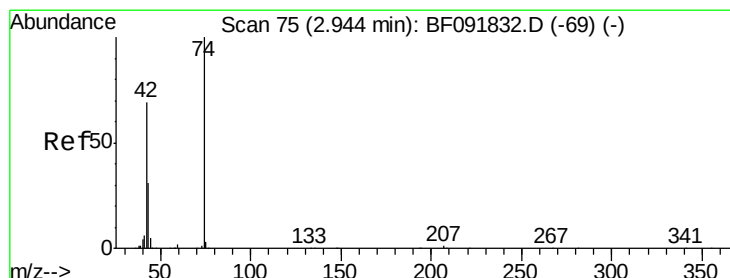
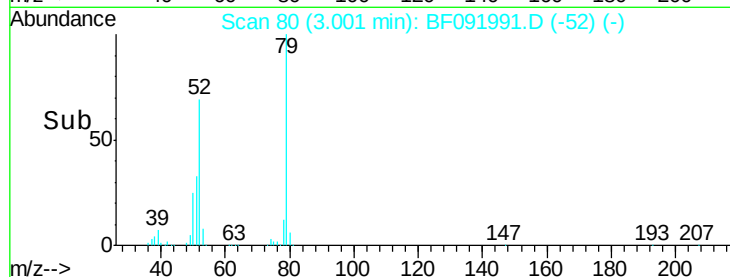
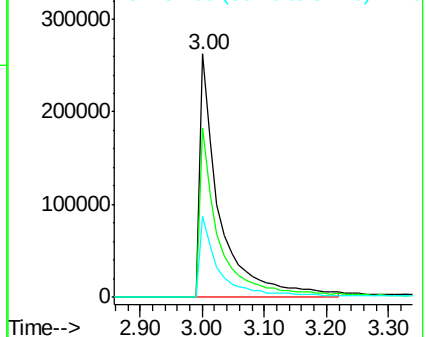
51 33.4 27.3 40.9



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: 35.64 ng

RT: 2.96 min Scan# 76

Delta R.T. 0.01 min

Lab File: BF091991.D

Acq: 28 Dec 2016 4:06

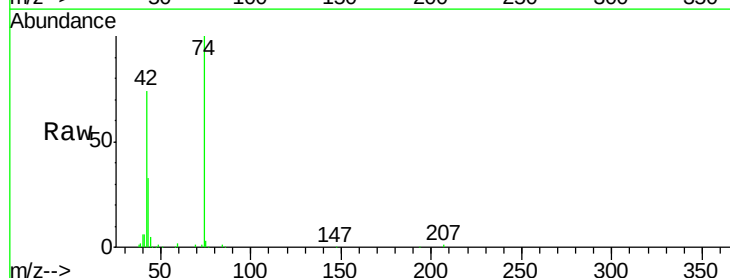
Tgt Ion: 42 Resp: 300652

Ion Ratio Lower Upper

42 100

74 135.1 117.0 175.4

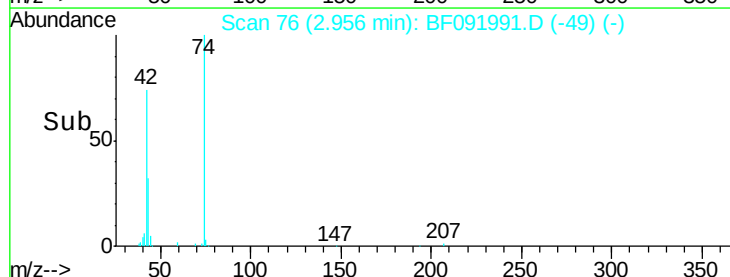
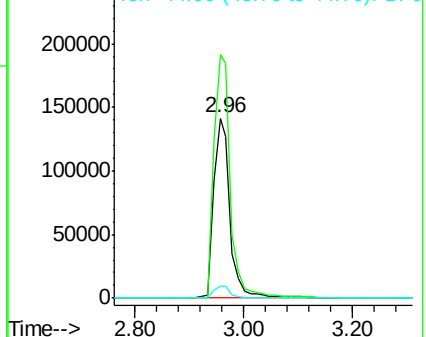
44 6.9 5.5 8.3

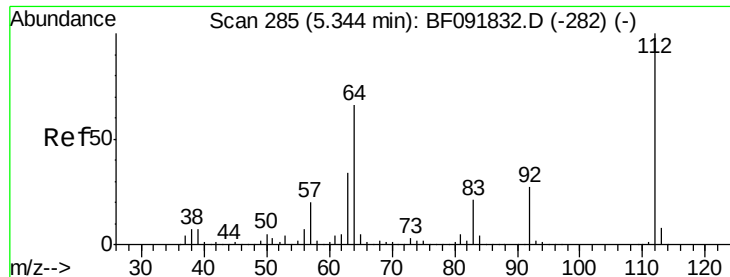


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 76.74 ng

RT: 5.36 min Scan# 286

Delta R.T. 0.01 min

Lab File: BF091991.D

Acq: 28 Dec 2016 4:06

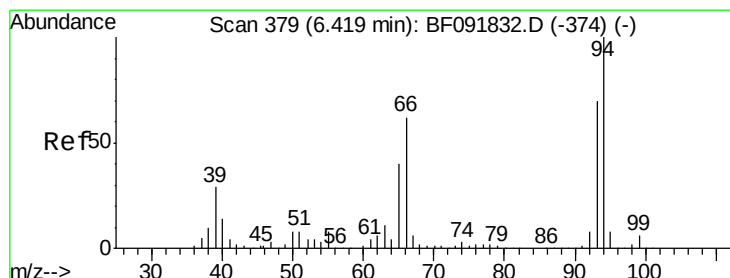
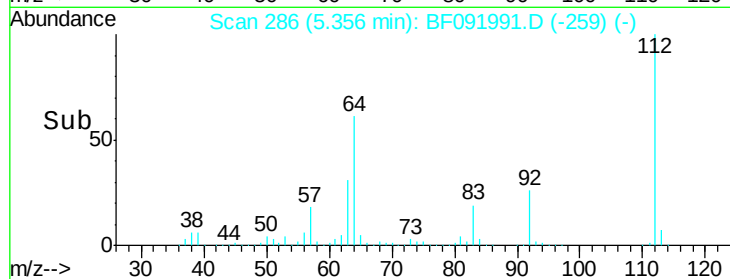
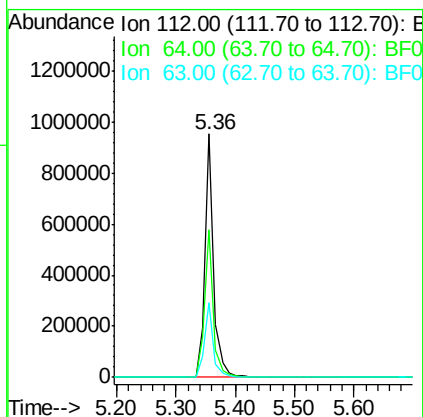
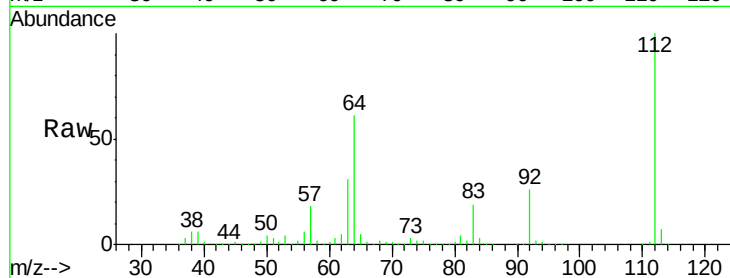
Instrument :

BNA_F

ClientSampleId :

PB95631BSD

Tgt Ion:	112	Resp:	998763
Ion Ratio	Lower	Upper	
112	100		
64	60.5	46.1	69.1
63	30.7	23.8	35.6



#6

Aniline

Concen: 13.33 ng

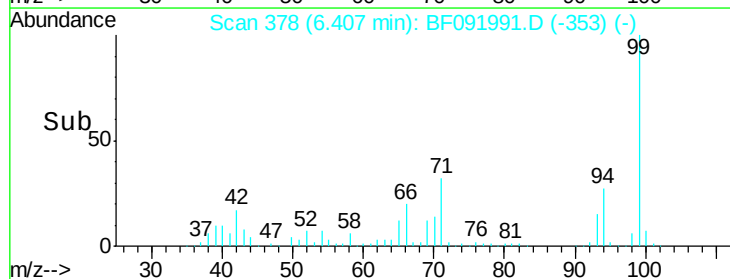
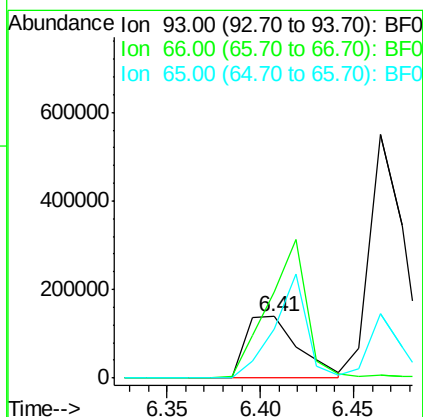
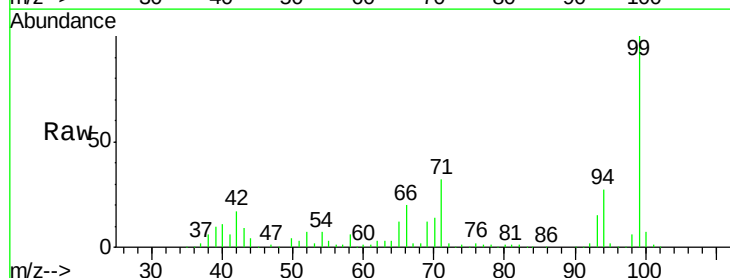
RT: 6.41 min Scan# 378

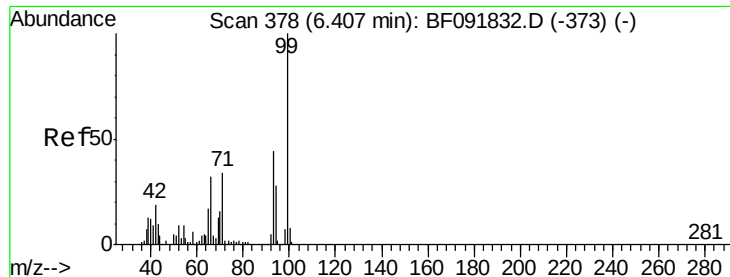
Delta R.T. -0.01 min

Lab File: BF091991.D

Acq: 28 Dec 2016 4:06

Tgt Ion:	93	Resp:	275000
Ion Ratio	Lower	Upper	
93	100		
66	139.5	76.2	114.2#
65	78.8	49.3	73.9#





#7

Phenol-d6

Concen: 77.77 ng

RT: 6.41 min Scan# 378

Delta R.T. 0.00 min

Lab File: BF091991.D

Acq: 28 Dec 2016 4:06

Instrument :

BNA_F

ClientSampleId :

PB95631BSD

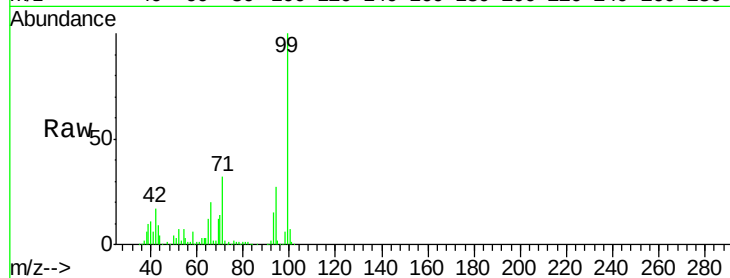
Tgt Ion: 99 Resp: 1235759

Ion Ratio Lower Upper

99 100

42 16.8 15.6 23.4

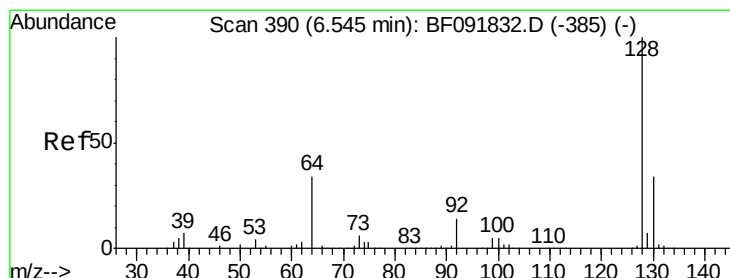
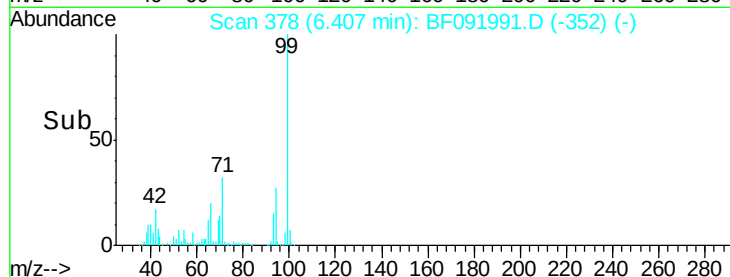
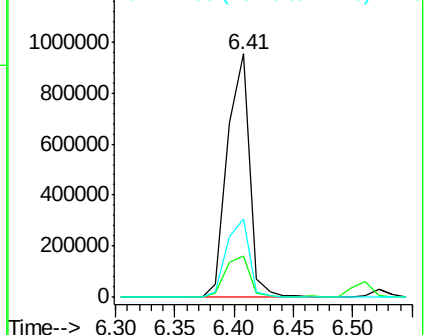
71 32.2 27.5 41.3



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: 42.02 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.02 min

Lab File: BF091991.D

Acq: 28 Dec 2016 4:06

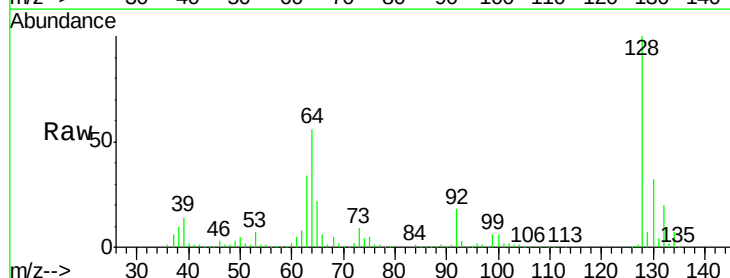
Tgt Ion: 128 Resp: 621980

Ion Ratio Lower Upper

128 100

130 32.2 12.3 52.3

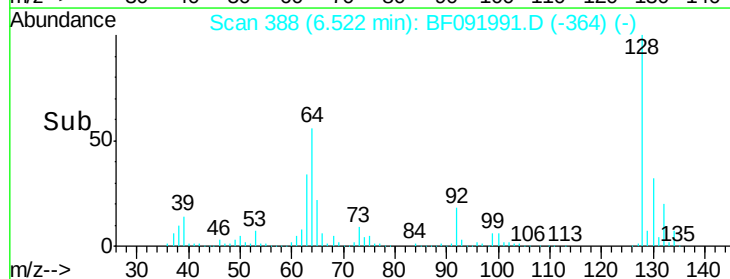
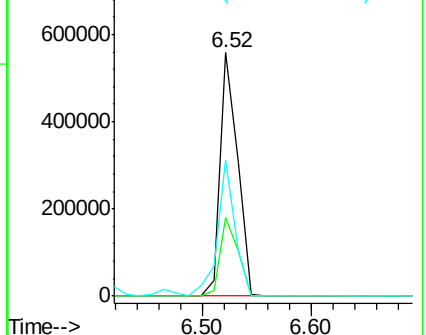
64 56.1 32.2 72.2

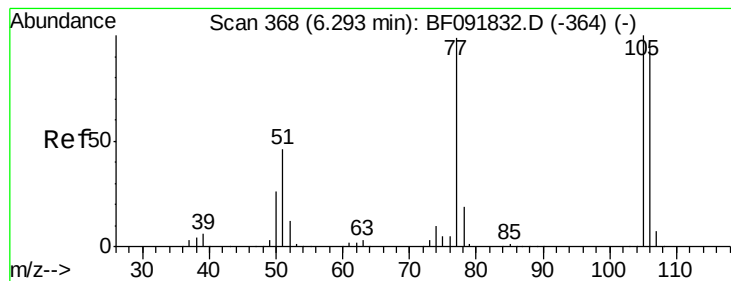


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 5.86 ng

RT: 6.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF091991.D

Acq: 28 Dec 2016 4:06

Instrument :

BNA_F

ClientSampleId :

PB95631BSD

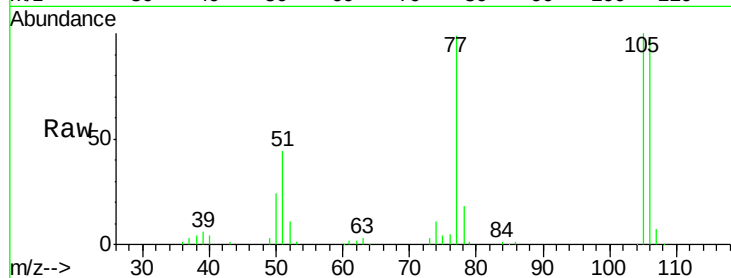
Tgt Ion: 77 Resp: 71219

Ion Ratio Lower Upper

77 100

105 101.1 83.9 123.9

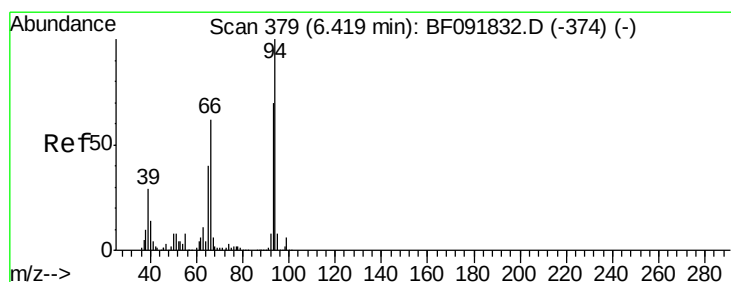
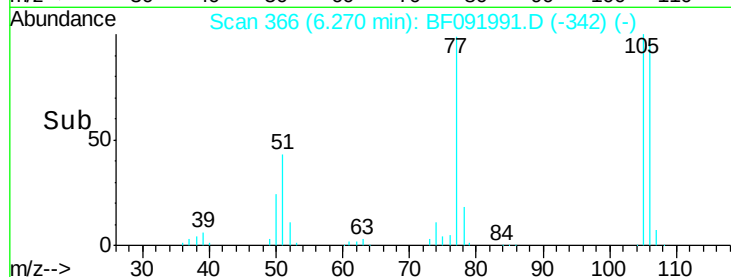
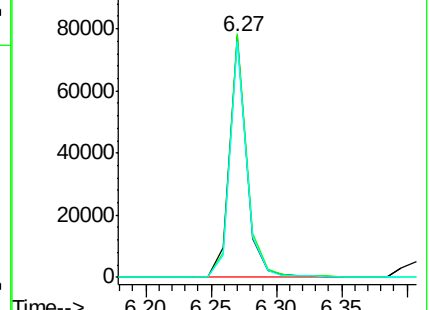
106 97.7 77.6 117.6



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: 48.52 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF091991.D

Acq: 28 Dec 2016 4:06

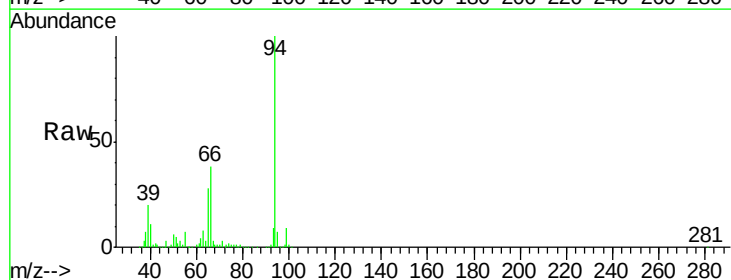
Tgt Ion: 94 Resp: 878478

Ion Ratio Lower Upper

94 100

65 28.3 21.4 61.4

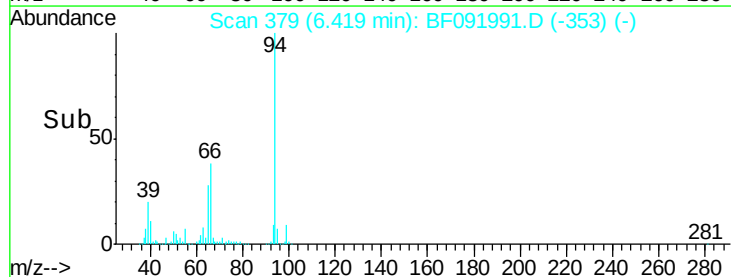
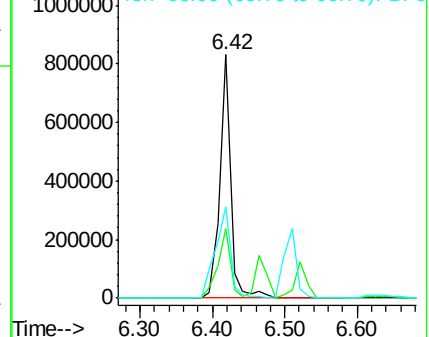
66 37.6 44.0 84.0#

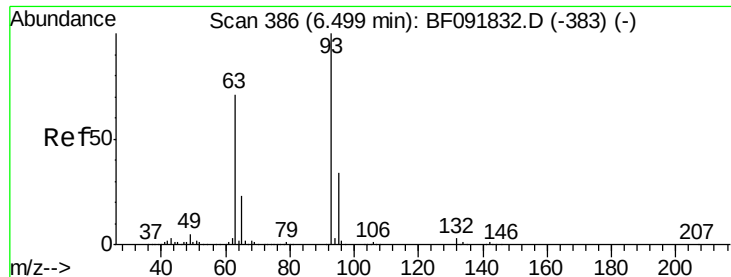


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 45.69 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.03 min

Lab File: BF091991.D

Acq: 28 Dec 2016 4:06

Instrument :

BNA_F

ClientSampleId :

PB95631BSD

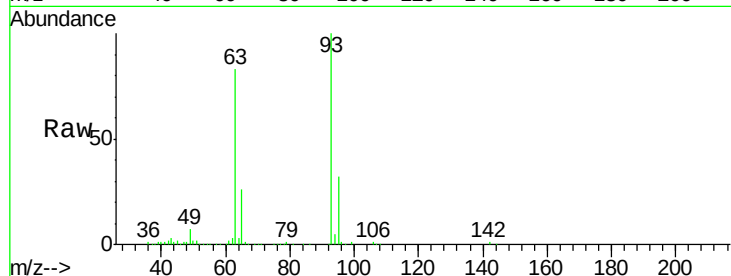
Tgt Ion: 93 Resp: 658177

Ion Ratio Lower Upper

93 100

63 83.5 60.4 100.4

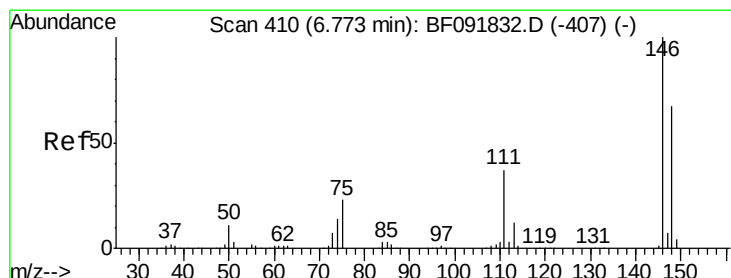
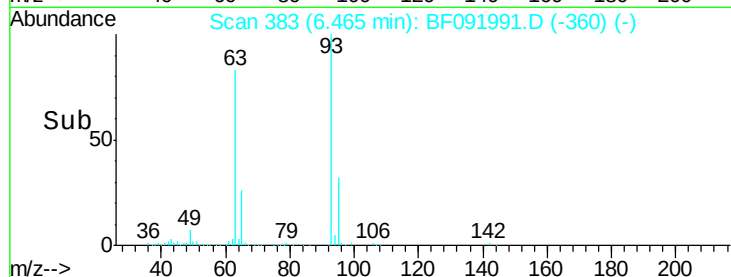
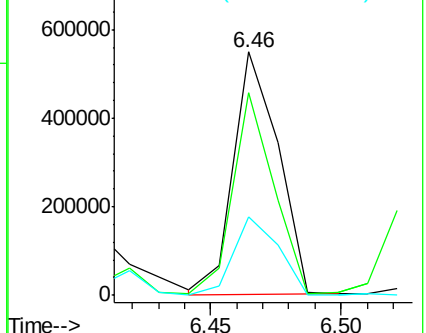
95 32.4 12.8 52.8



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 40.28 ng

RT: 6.67 min Scan# 401

Delta R.T. -0.02 min

Lab File: BF091991.D

Acq: 28 Dec 2016 4:06

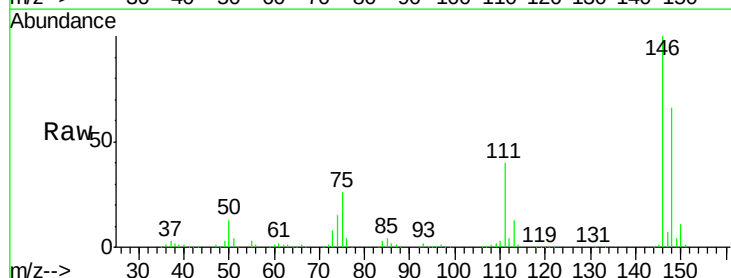
Tgt Ion: 146 Resp: 636515

Ion Ratio Lower Upper

146 100

148 65.6 53.4 80.0

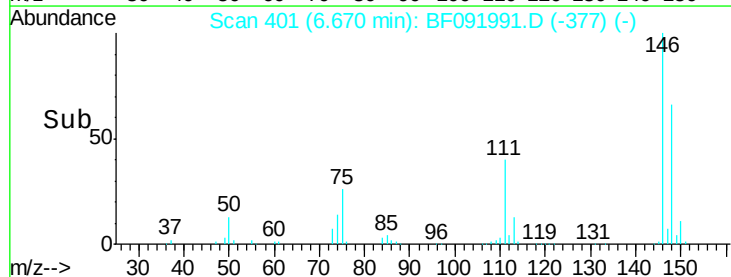
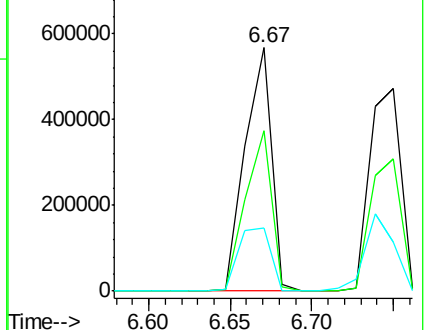
75 26.2 18.5 27.7

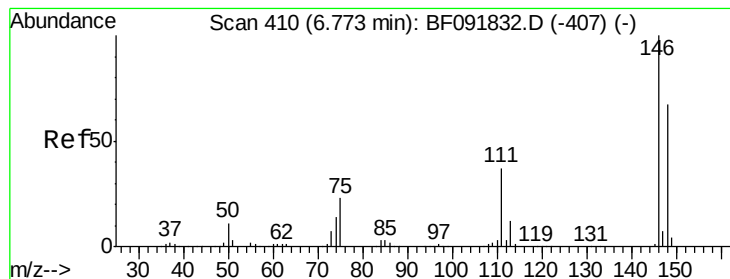


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 39.26 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.02 min

Lab File: BF091991.D

Acq: 28 Dec 2016 4:06

Instrument :

BNA_F

ClientSampleId :

PB95631BSD

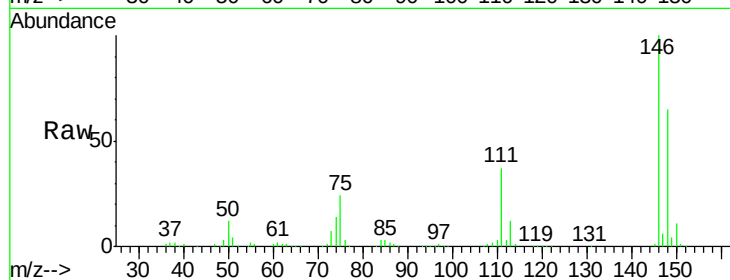
Tgt Ion:146 Resp: 631462

Ion Ratio Lower Upper

146 100

148 65.3 50.6 76.0

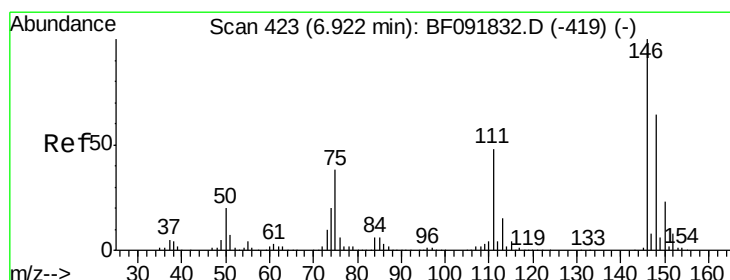
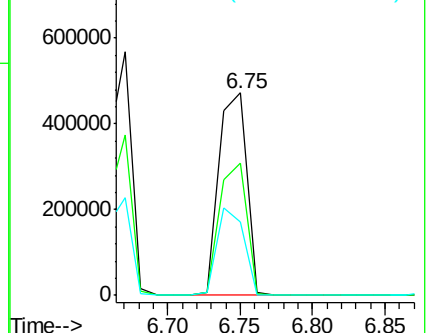
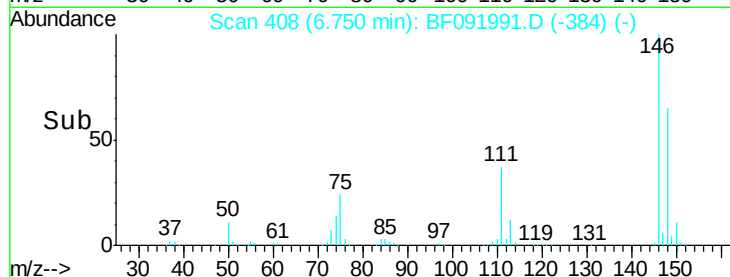
111 36.5 36.2 54.4



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: 42.88 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.02 min

Lab File: BF091991.D

Acq: 28 Dec 2016 4:06

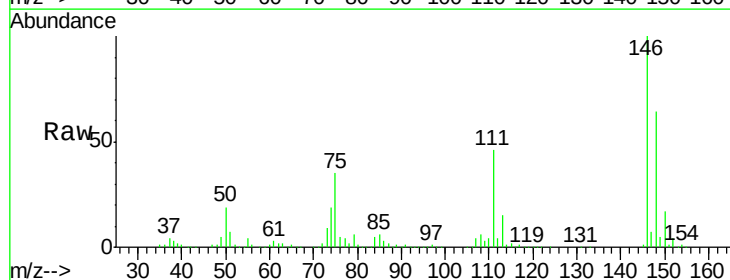
Tgt Ion:146 Resp: 598506

Ion Ratio Lower Upper

146 100

148 64.5 52.2 78.2

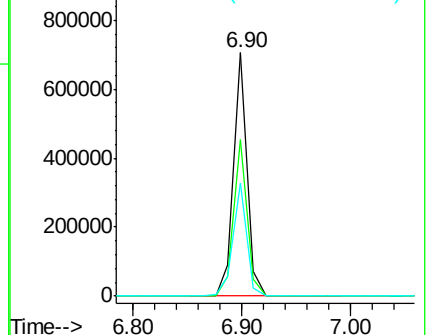
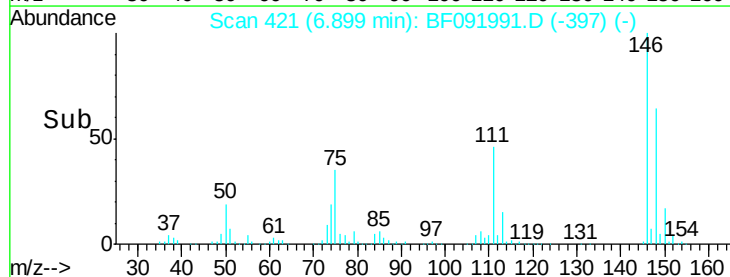
111 46.4 36.2 54.2

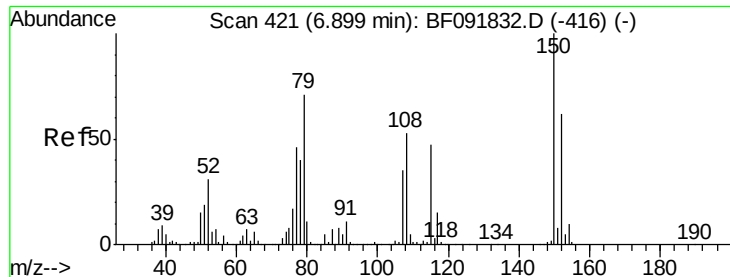


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 16.97 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF091991.D

Acq: 28 Dec 2016 4:06

Instrument :

BNA_F

ClientSampleId :

PB95631BSD

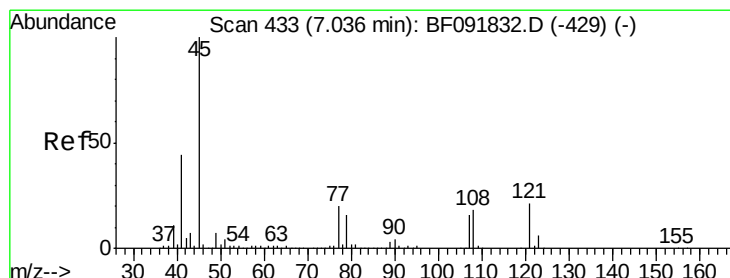
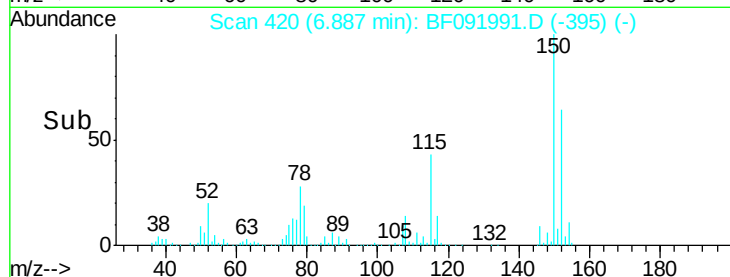
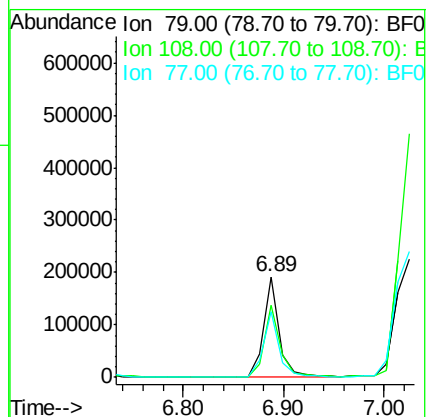
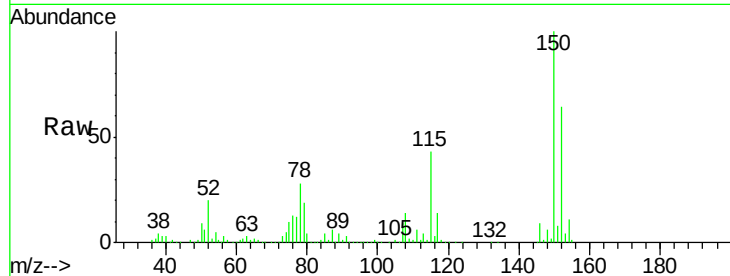
Tgt Ion: 79 Resp: 209533

Ion Ratio Lower Upper

79 100

108 71.4 61.4 92.0

77 64.8 50.9 76.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.30 ng

RT: 7.01 min Scan# 431

Delta R.T. -0.02 min

Lab File: BF091991.D

Acq: 28 Dec 2016 4:06

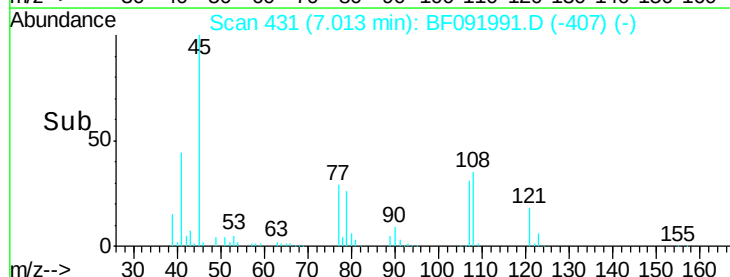
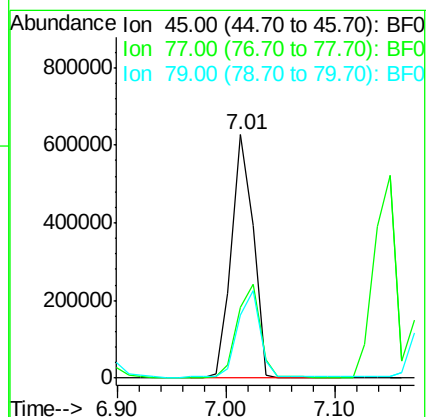
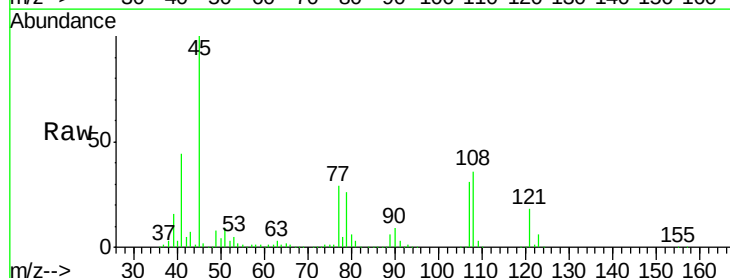
Tgt Ion: 45 Resp: 864586

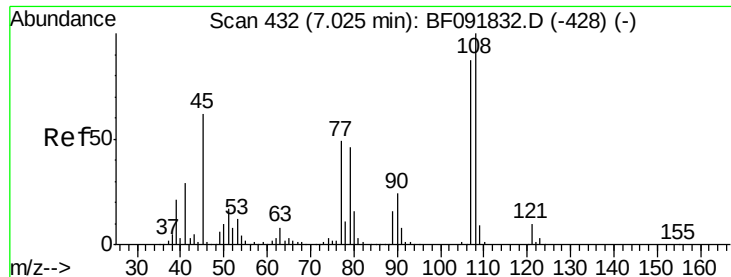
Ion Ratio Lower Upper

45 100

77 29.0 0.0 34.6

79 25.8 0.0 31.2

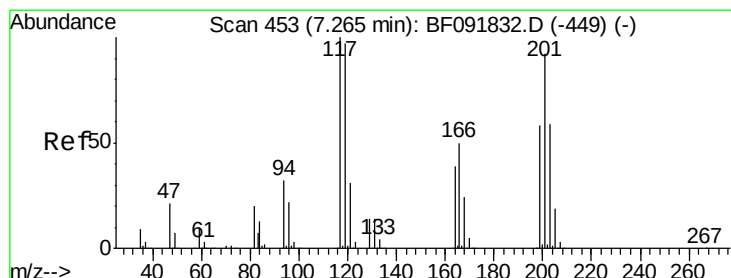
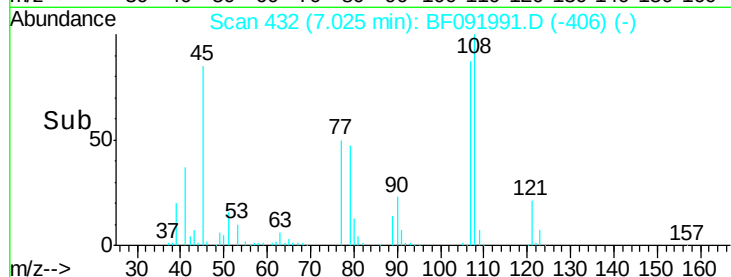
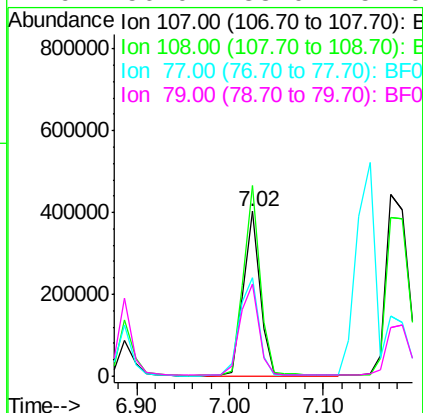
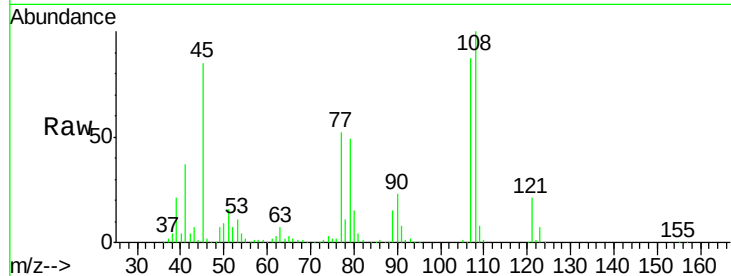




#17
2-Methylphenol
Concen: 42.66 ng
RT: 7.02 min Scan# 432
Delta R.T. 0.00 min
Lab File: BF091991.D
Acq: 28 Dec 2016 4:06

Instrument :
BNA_F
ClientSampleId :
PB95631BSD

Tgt Ion:	107	Resp:	507887
Ion Ratio	Lower	Upper	
107	100		
108	115.4	93.0	139.6
77	59.8	39.8	59.8#
79	56.0	38.0	57.0



#18
Hexachloroethane
Concen: 39.61 ng
RT: 7.24 min Scan# 451
Delta R.T. -0.02 min
Lab File: BF091991.D
Acq: 28 Dec 2016 4:06

Tgt Ion:	117	Resp:	236223
Ion Ratio	Lower	Upper	
117	100		
119	96.1	78.1	117.1
201	92.4	78.6	117.8

