

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110816\
 Data File : BF091084.D
 Acq On : 8 Nov 2016 16:13
 Operator : UM/SJ
 Sample : PB94597BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB94597BSD

Quant Time: Nov 09 00:42:23 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 12:59:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	178795	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	773675	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	374530	20.00	ng	0.00
63) Phenanthrene-d10	11.17	188	615899	20.00	ng	0.00
75) Chrysene-d12	13.81	240	574229	20.00	ng	0.00
86) Perylene-d12	15.19	264	363525	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	1408030	130.06	ng	0.02
7) Phenol-d6	6.33	99	1683376	114.56	ng	0.01
23) Nitrobenzene-d5	7.23	82	1195530	84.29	ng	-0.01
41) 2,4,6-Tribromophenol	10.50	330	481968	142.34	ng	0.01
44) 2-Fluorobiphenyl	9.04	172	2011137	92.45	ng	0.00
78) Terphenyl-d14	12.76	244	1749896	76.05	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.20	88	174813	28.23	ng	99
3) Pyridine	2.85	79	461429	31.85	ng	98
4) n-Nitrosodimethylamine	2.81	42	203963	35.59	ng	91
6) Aniline	6.34	93	98569	5.69	ng	# 1
8) 2-Chlorophenol	6.45	128	490497	37.98	ng	85
9) Benzaldehyde	6.21	77	55779	6.84	ng	93
10) Phenol	6.34	94	578469	35.57	ng	# 53
11) bis(2-Chloroethyl)ether	6.41	93	509361	37.17	ng	90
12) 1,3-Dichlorobenzene	6.60	146	504488	38.63	ng	98
13) 1,4-Dichlorobenzene	6.68	146	547727	39.09	ng	97
14) 1,2-Dichlorobenzene	6.83	146	501735	39.01	ng	98
15) Benzyl Alcohol	6.82	79	416375	40.17	ng	96
16) 2,2'-oxybis(1-Chloropropan	6.96	45	721313	36.76	ng	95
17) 2-Methylphenol	6.94	107	430475	42.11	ng	97
18) Hexachloroethane	7.17	117	214933	39.63	ng	94
19) n-Nitroso-di-n-propylamine	7.09	70	437847	43.00	ng	94
20) 3+4-Methylphenols	7.09	107	560446	45.66	ng	# 82
22) Acetophenone	7.08	105	738386	41.45	ng	# 95
24) Nitrobenzene	7.25	77	593531	37.89	ng	95
25) Isophorone	7.49	82	1045850	38.27	ng	98
26) 2-Nitrophenol	7.57	139	290384	43.81	ng	# 78
27) 2,4-Dimethylphenol	7.62	122	434807	39.66	ng	95
28) bis(2-Chloroethoxy)methane	7.71	93	643503	43.10	ng	99
29) 2,4-Dichlorophenol	7.82	162	397975	41.60	ng	93
30) 1,2,4-Trichlorobenzene	7.89	180	429597	39.93	ng	99
31) Naphthalene	7.97	128	1528891	41.32	ng	100
32) Benzoic acid	7.74	122	100760	15.61	ng	98
33) 4-Chloroaniline	8.05	127	47083	3.06	ng	# 94
34) Hexachlorobutadiene	8.10	225	231725	39.91	ng	98
35) Caprolactam	8.40	113	27040	9.00	ng	# 81
36) 4-Chloro-3-methylphenol	8.53	107	464204	40.08	ng	97
37) 2-Methylnaphthalene	8.66	142	919171	38.64	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.83	216	413946	43.35	ng	99
40) Hexachlorocyclopentadiene	8.82	237	315306	84.69	ng	98

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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	8.94	196	263899	42.81	ng	99
43) 2,4,5-Trichlorophenol	9.00	196	289187	44.68	ng	95
45) 1,1'-Biphenyl	9.13	154	1104073	40.37	ng	100
46) 2-Chloronaphthalene	9.15	162	852592	41.06	ng	100
47) 2-Nitroaniline	9.25	65	250664	32.53	ng	98
48) Acenaphthylene	9.56	152	1215398	37.56	ng	100
49) Dimethylphthalate	9.44	163	930814	37.90	ng	100
50) 2,6-Dinitrotoluene	9.50	165	206251	39.19	ng	# 43
51) Acenaphthene	9.73	154	750826	36.96	ng	99
52) 3-Nitroaniline	9.66	138	51452	8.24	ng	100
53) 2,4-Dinitrophenol	9.78	184	215162	75.44	ng	94
54) Dibenzofuran	9.90	168	1094140	40.01	ng	98
55) 4-Nitrophenol	9.85	139	242603	59.92	ng	91
56) 2,4-Dinitrotoluene	9.90	165	308421	46.06	ng	94
57) Fluorene	10.25	166	898060	40.18	ng	100
58) 2,3,4,6-Tetrachlorophenol	10.03	232	247619	48.84	ng	92
59) Diethylphthalate	10.13	149	977811	38.83	ng	99
60) 4-Chlorophenyl-phenylether	10.25	204	449703	44.21	ng	96
61) 4-Nitroaniline	10.28	138	171706	27.20	ng	92
62) Azobenzene	10.40	77	1056378	35.64	ng	85
64) 4,6-Dinitro-2-methylphenol	10.32	198	153143	40.61	ng	99
65) n-Nitrosodiphenylamine	10.36	169	740513	37.83	ng	99
66) 4-Bromophenyl-phenylether	10.73	248	266379	41.58	ng	93
67) Hexachlorobenzene	10.80	284	342636	48.49	ng	# 88
68) Atrazine	10.90	200	227242	40.24	ng	100
69) Pentachlorophenol	10.99	266	266513	85.16	ng	99
70) Phenanthrene	11.21	178	1446459	44.18	ng	99
71) Anthracene	11.25	178	1312524	37.71	ng	100
72) Carbazole	11.41	167	1214489	38.72	ng	99
73) Di-n-butylphthalate	11.76	149	1648751	41.79	ng	100
74) Fluoranthene	12.39	202	1318497	38.83	ng	97
77) Pyrene	12.61	202	1446054	38.45	ng	100
79) Butylbenzylphthalate	13.24	149	418454	23.26	ng	# 82
80) Benzo(a)anthracene	13.80	228	1210368	37.12	ng	100
81) 3,3'-Dichlorobenzidine	13.77	252	25896	2.26	ng	# 97
82) Chrysene	13.84	228	1170141	36.40	ng	98
83) Bis(2-ethylhexyl)phthalate	13.80	149	862898	35.45	ng	# 98
84) Di-n-octyl phthalate	14.42	149	1539583	38.47	ng	98
85) Indeno(1,2,3-cd)pyrene	16.48	276	937986	35.17	ng	99
87) Benzo(b)fluoranthene	14.81	252	2049949	83.14	ng	100
88) Benzo(k)fluoranthene	14.81	252	2050928	94.83	ng	# 96
89) Benzo(a)pyrene	15.13	252	861794	40.15	ng	# 95
90) Dibenzo(a,h)anthracene	16.49	278	802931	43.27	ng	97
91) Benzo(g,h,i)perylene	16.85	276	708451	42.22	ng	100

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

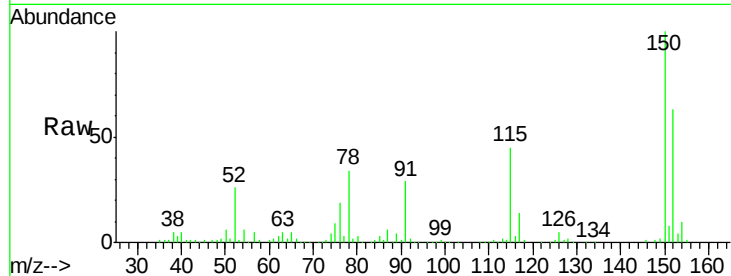


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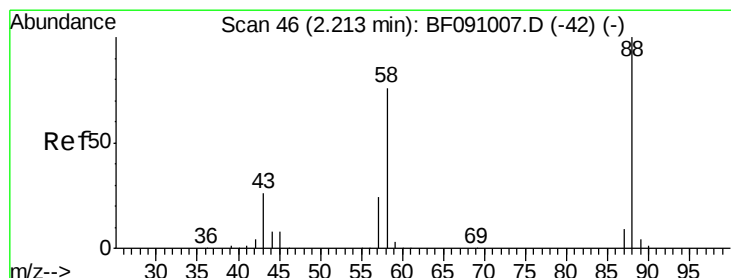
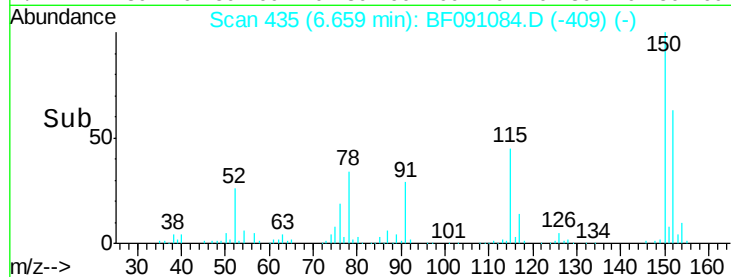
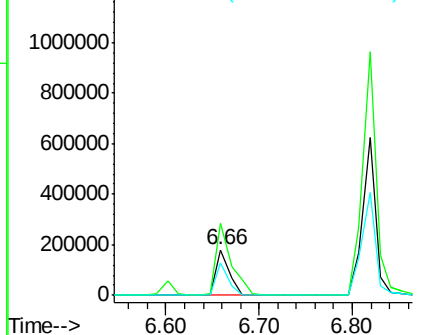
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.66 min Scan# 435
Delta R.T. 0.00 min
Lab File: BF091084.D
Acq: 8 Nov 2016 16:13

Instrument :
BNA_F
ClientSampleId :
PB94597BSD

Tgt Ion:152 Resp: 178795
Ion Ratio Lower Upper
152 100
150 159.8 126.8 190.2
115 71.8 53.3 79.9



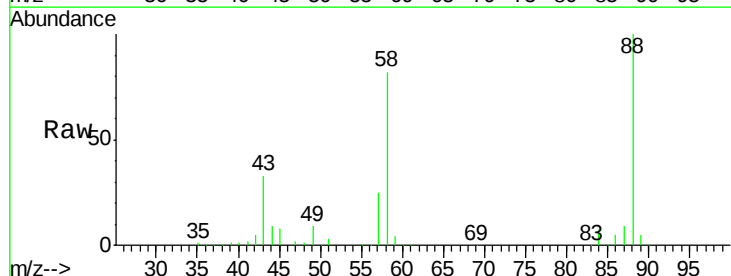
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



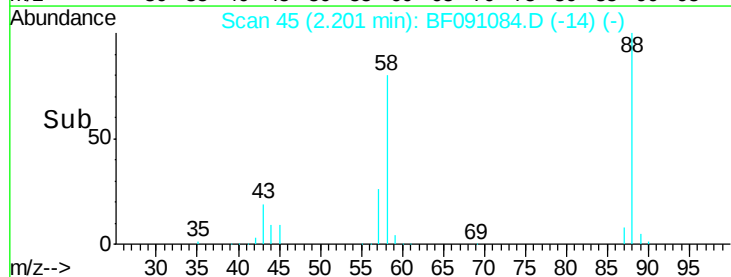
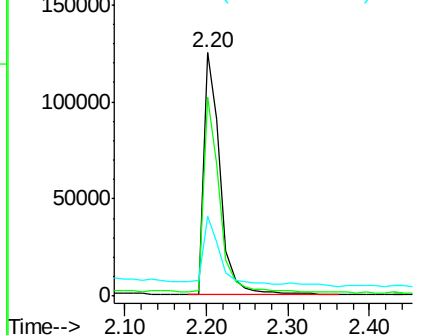
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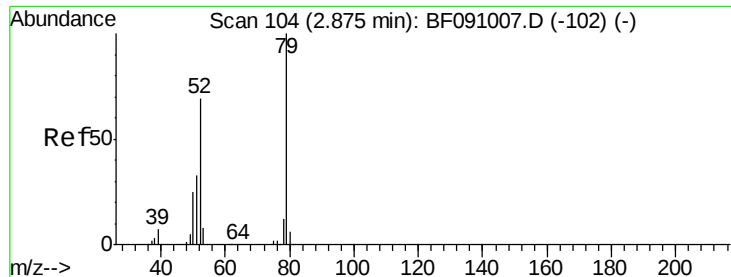
1,4-Dioxane
Concen: 28.23 ng
RT: 2.20 min Scan# 45
Delta R.T. 0.06 min
Lab File: BF091084.D
Acq: 8 Nov 2016 16:13

Tgt Ion: 88 Resp: 174813
Ion Ratio Lower Upper
88 100
58 79.2 63.8 95.6
43 26.5 22.6 33.8



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: 31.85 ng

RT: 2.85 min Scan# 102

Delta R.T. 0.07 min

Lab File: BF091084.D

Acq: 8 Nov 2016 16:13

Instrument :

BNA_F

ClientSampleId :

PB94597BSD

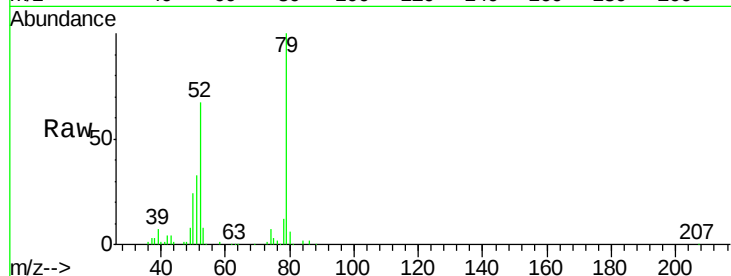
Tgt Ion: 79 Resp: 461429

Ion Ratio Lower Upper

79 100

52 67.3 55.4 83.0

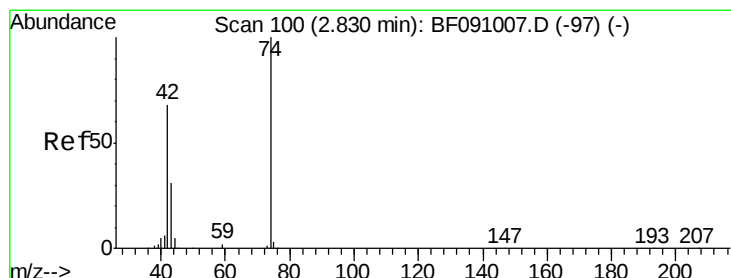
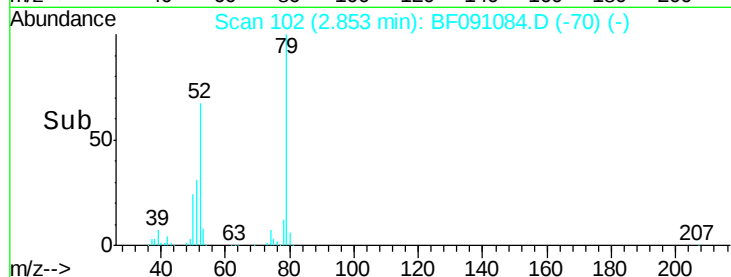
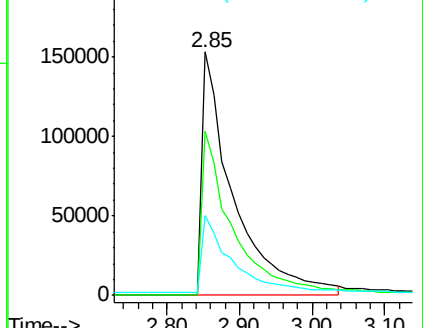
51 32.7 27.4 41.0



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: 35.59 ng

RT: 2.81 min Scan# 98

Delta R.T. 0.06 min

Lab File: BF091084.D

Acq: 8 Nov 2016 16:13

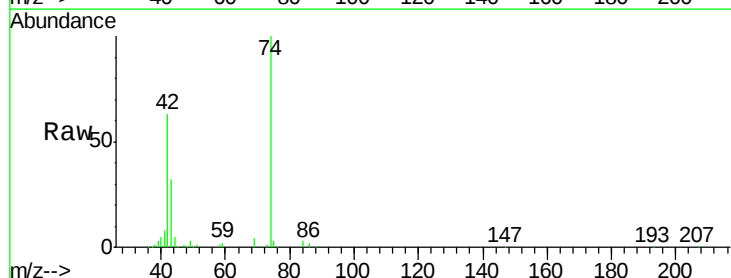
Tgt Ion: 42 Resp: 203963

Ion Ratio Lower Upper

42 100

74 157.9 117.3 175.9

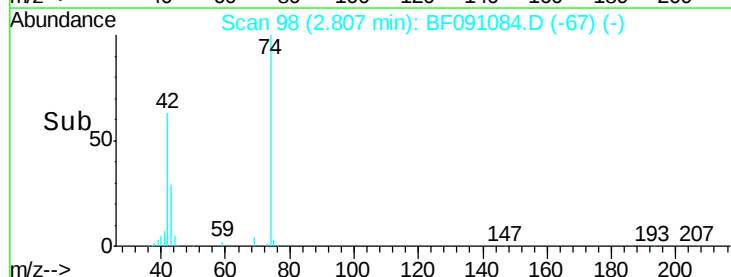
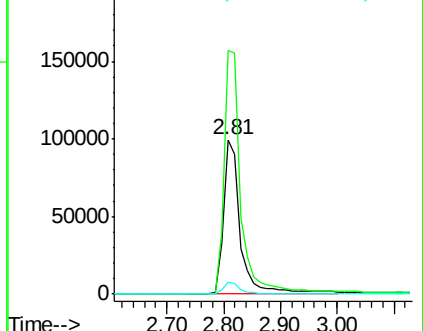
44 7.7 5.8 8.8

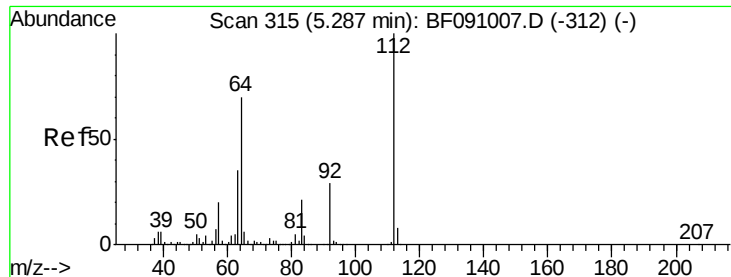


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 130.06 ng

RT: 5.26 min Scan# 313

Delta R.T. 0.02 min

Lab File: BF091084.D

Acq: 8 Nov 2016 16:13

Instrument :

BNA_F

ClientSampleId :

PB94597BSD

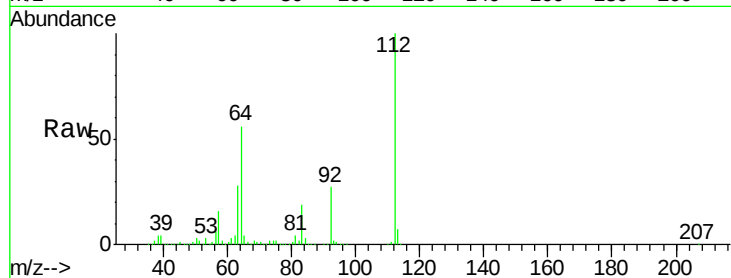
Tgt Ion:112 Resp: 1408030

Ion Ratio Lower Upper

112 100

64 55.8 55.8 83.6

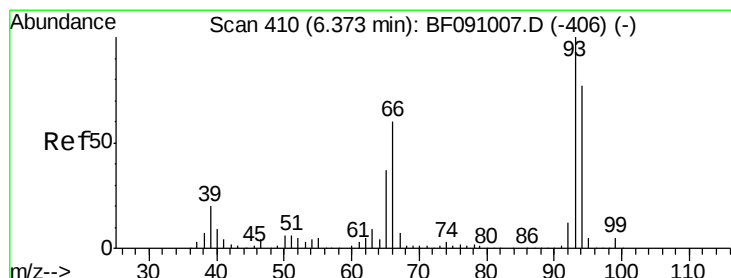
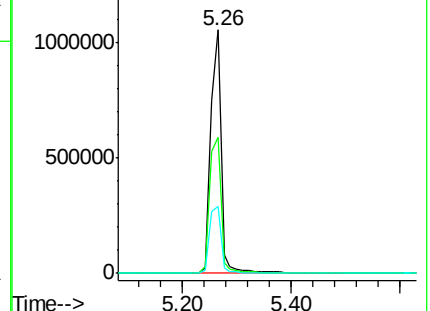
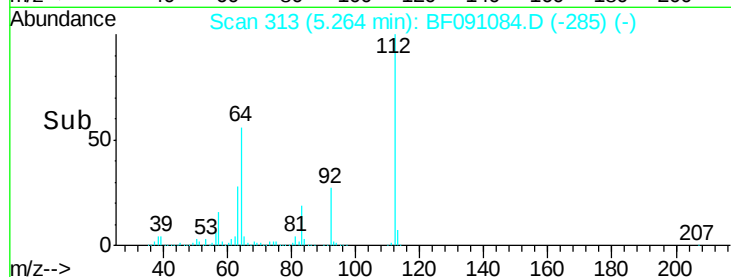
63 27.7 28.0 42.0#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 5.69 ng

RT: 6.34 min Scan# 407

Delta R.T. 0.01 min

Lab File: BF091084.D

Acq: 8 Nov 2016 16:13

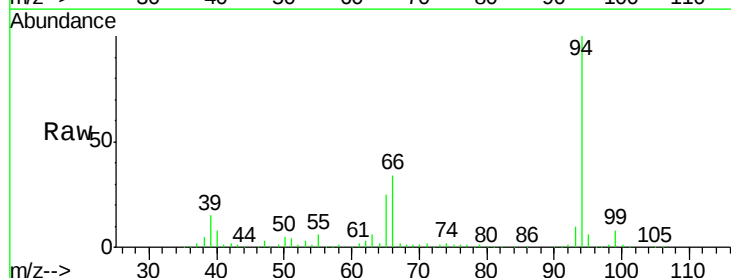
Tgt Ion: 93 Resp: 98569

Ion Ratio Lower Upper

93 100

66 338.8 48.2 72.2#

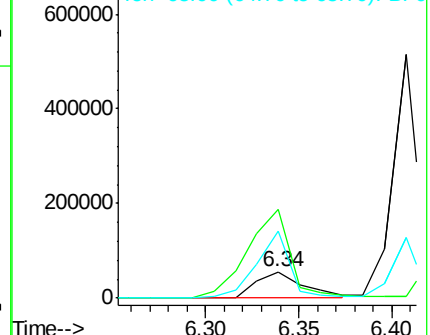
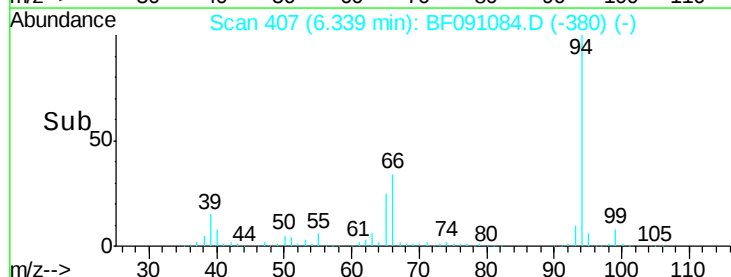
65 253.9 29.4 44.0#



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: 114.56 ng

RT: 6.33 min Scan# 406

Delta R.T. 0.01 min

Lab File: BF091084.D

Acq: 8 Nov 2016 16:13

Instrument :

BNA_F

ClientSampled :

PB94597BSD

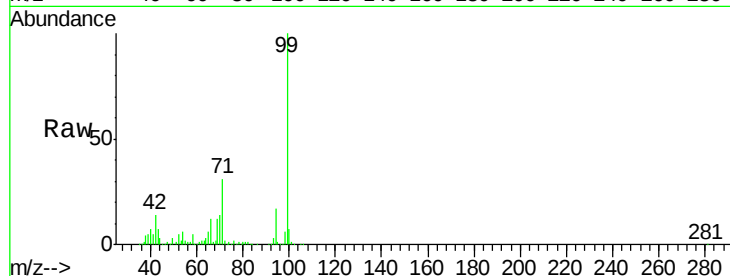
Tgt Ion: 99 Resp: 1683376

Ion Ratio Lower Upper

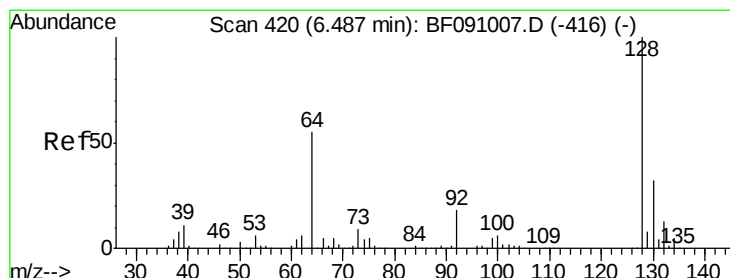
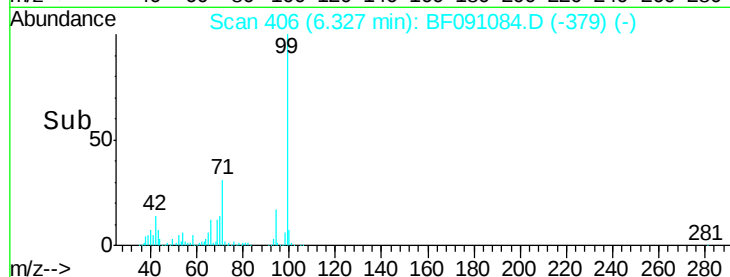
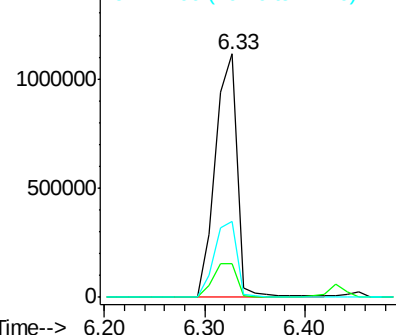
99 100

42 14.0 13.9 20.9

71 31.2 27.8 41.8



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: 37.98 ng

RT: 6.45 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF091084.D

Acq: 8 Nov 2016 16:13

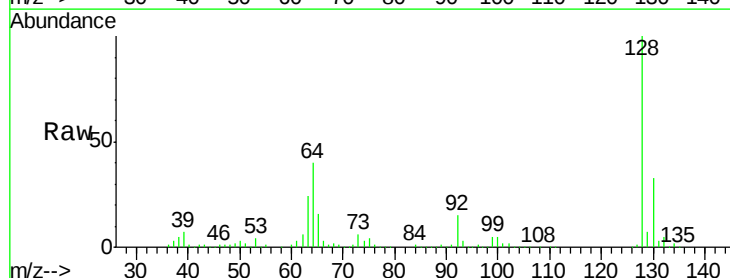
Tgt Ion: 128 Resp: 490497

Ion Ratio Lower Upper

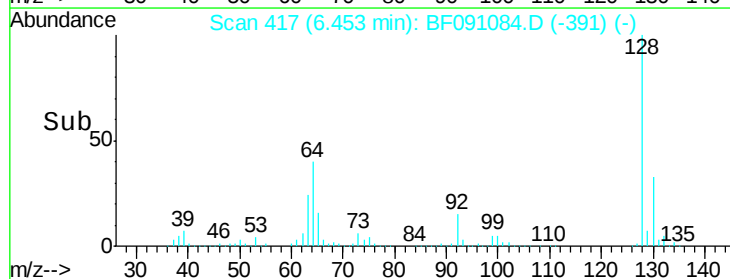
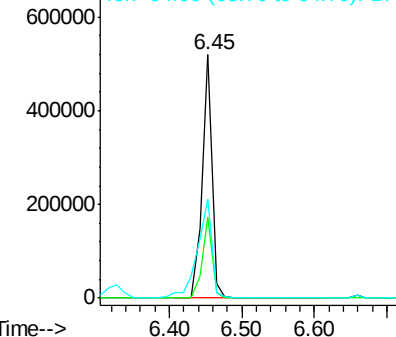
128 100

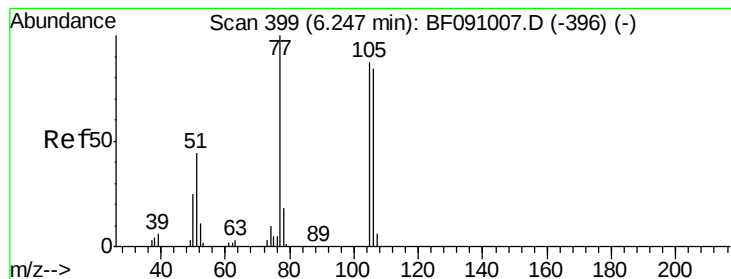
130 33.1 12.0 52.0

64 40.4 37.2 77.2



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: 6.84 ng

RT: 6.21 min Scan# 396

Delta R.T. 0.01 min

Lab File: BF091084.D

Acq: 8 Nov 2016 16:13

Instrument :

BNA_F

ClientSampleId :

PB94597BSD

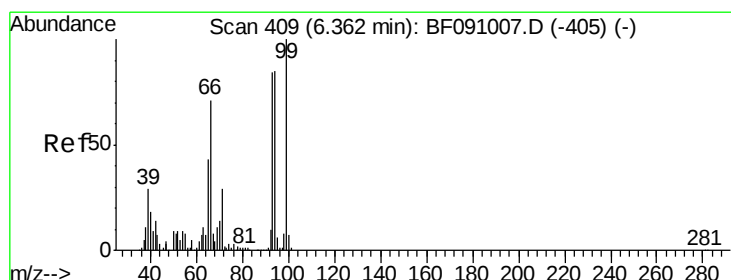
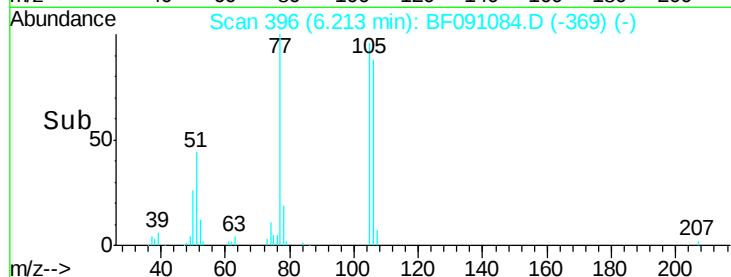
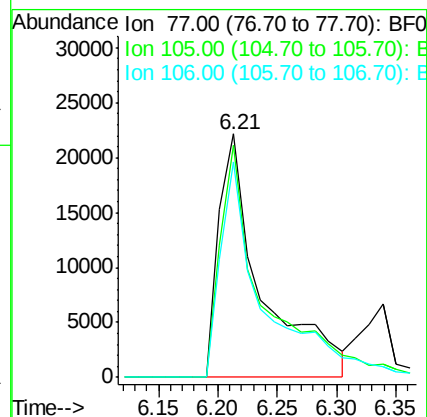
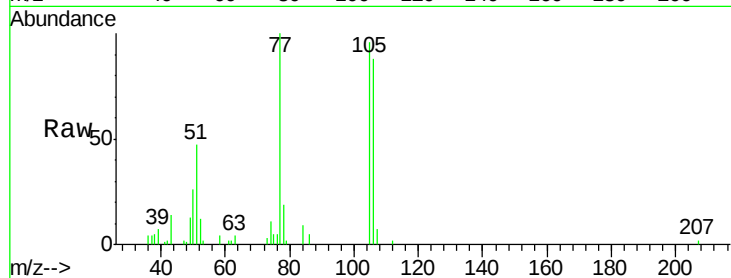
Tgt Ion: 77 Resp: 55779

Ion Ratio Lower Upper

77 100

105 95.6 66.8 106.8

106 88.2 64.0 104.0



#10

Phenol

Concen: 35.57 ng

RT: 6.34 min Scan# 407

Delta R.T. 0.01 min

Lab File: BF091084.D

Acq: 8 Nov 2016 16:13

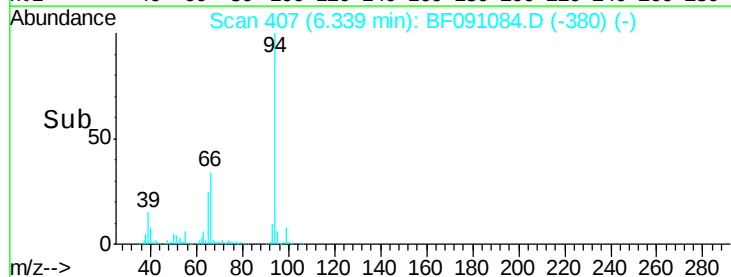
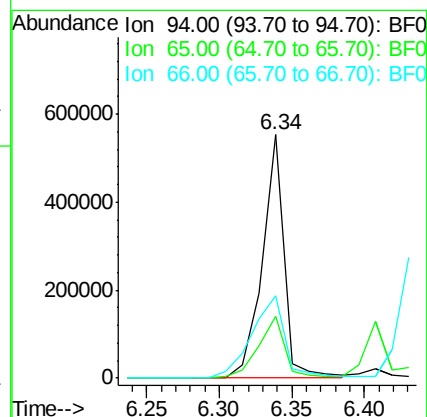
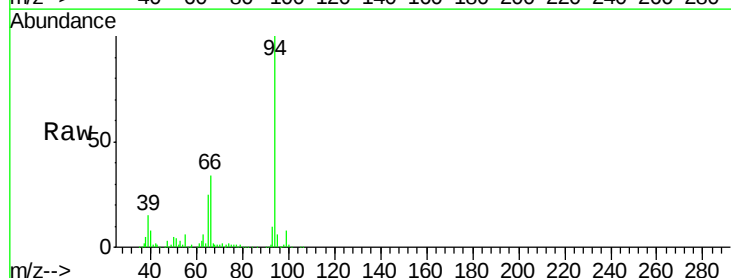
Tgt Ion: 94 Resp: 578469

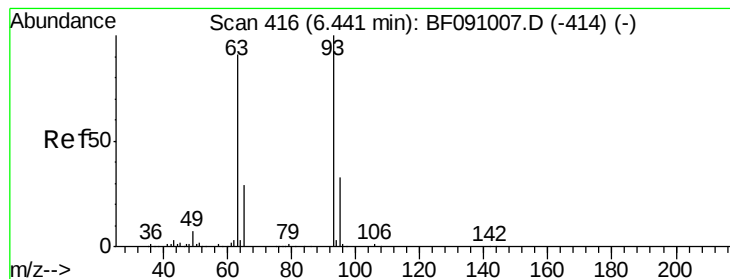
Ion Ratio Lower Upper

94 100

65 25.5 30.4 70.4#

66 34.0 62.9 102.9#





#11

bis(2-Chloroethyl)ether

Concen: 37.17 ng

RT: 6.41 min Scan# 413

Delta R.T. 0.00 min

Lab File: BF091084.D

Acq: 8 Nov 2016 16:13

Instrument :

BNA_F

ClientSampleId :

PB94597BSD

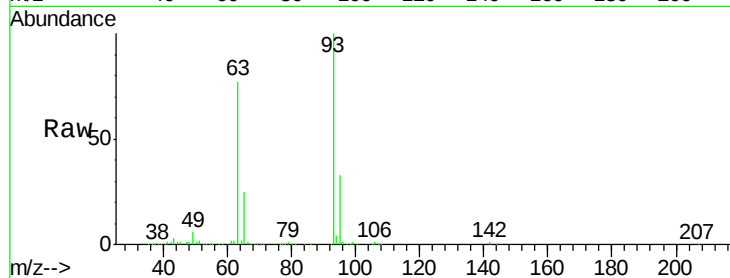
Tgt Ion: 93 Resp: 509361

Ion Ratio Lower Upper

93 100

63 77.0 68.9 108.9

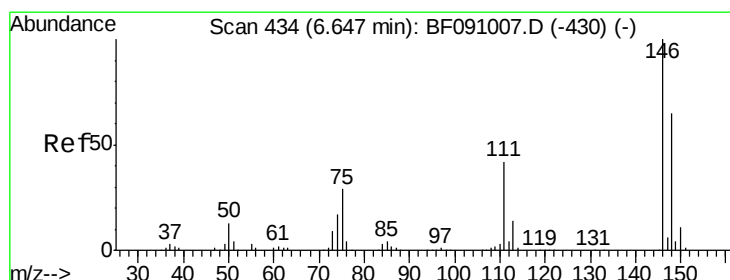
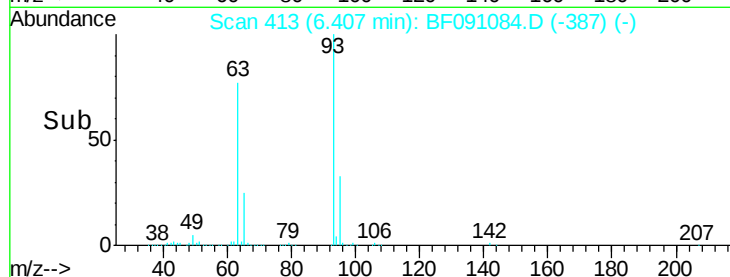
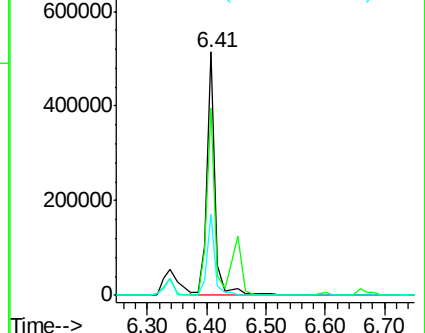
95 33.4 12.3 52.3



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: 38.63 ng

RT: 6.60 min Scan# 430

Delta R.T. 0.00 min

Lab File: BF091084.D

Acq: 8 Nov 2016 16:13

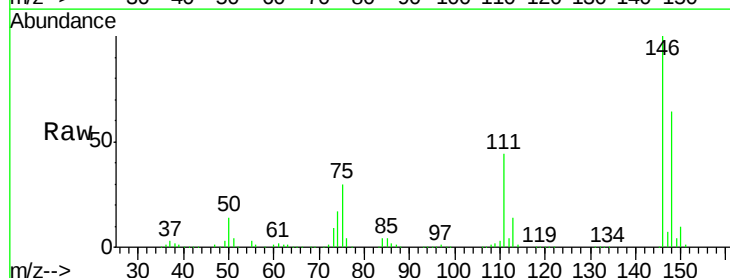
Tgt Ion: 146 Resp: 504488

Ion Ratio Lower Upper

146 100

148 64.1 52.0 78.0

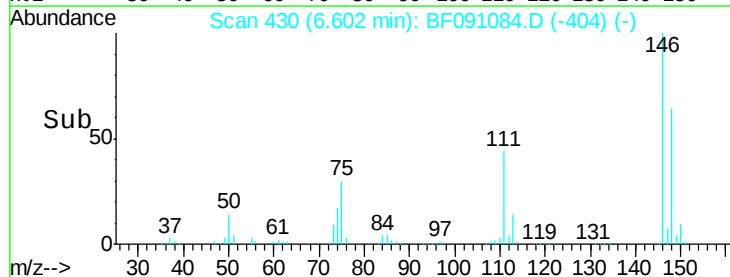
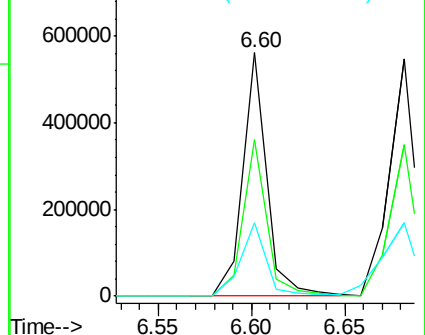
75 30.2 23.0 34.6

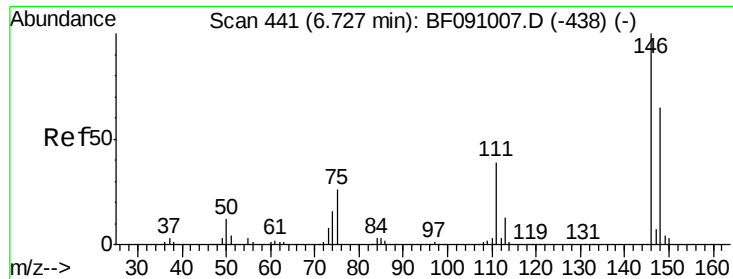


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

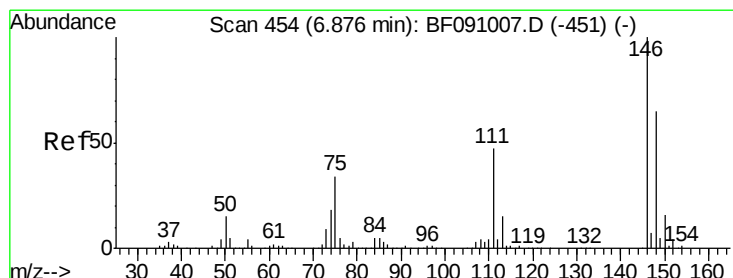
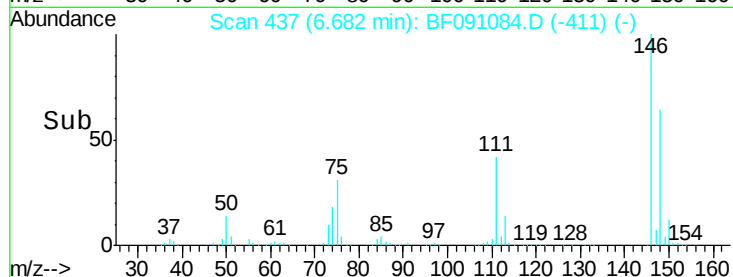
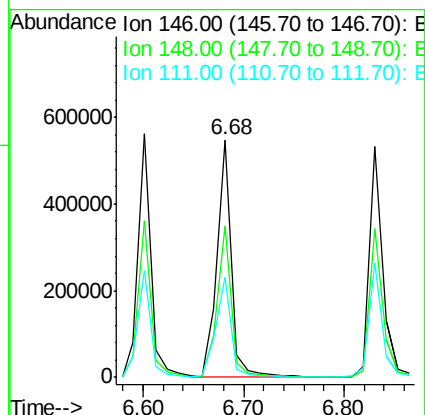
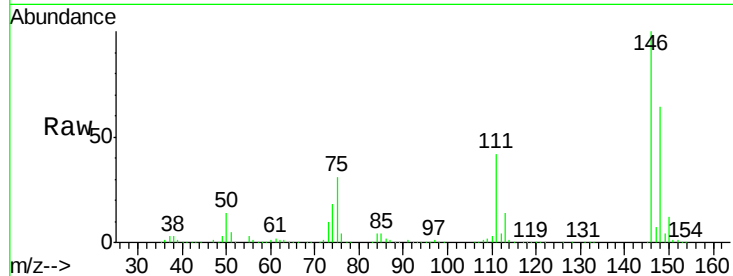




#13
 1,4-Dichlorobenzene
 Concen: 39.09 ng
 RT: 6.68 min Scan# 437
 Delta R.T. 0.00 min
 Lab File: BF091084.D
 Acq: 8 Nov 2016 16:13

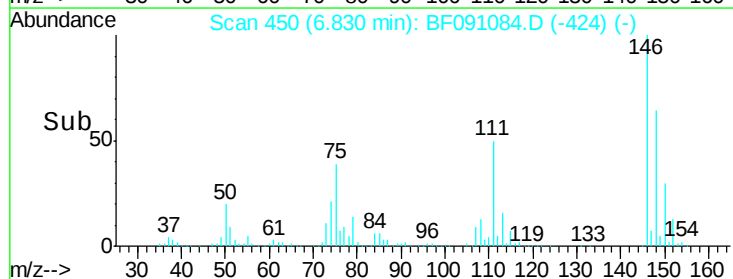
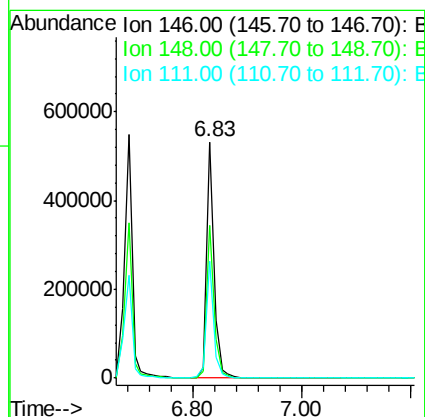
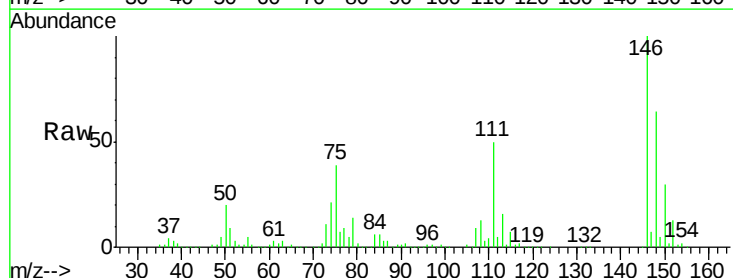
Instrument :
 BNA_F
 ClientSampleId :
 PB94597BSD

Tgt Ion:146 Resp: 547727
 Ion Ratio Lower Upper
 146 100
 148 63.8 52.1 78.1
 111 42.2 31.6 47.4



#14
 1,2-Dichlorobenzene
 Concen: 39.01 ng
 RT: 6.83 min Scan# 450
 Delta R.T. 0.00 min
 Lab File: BF091084.D
 Acq: 8 Nov 2016 16:13

Tgt Ion:146 Resp: 501735
 Ion Ratio Lower Upper
 146 100
 148 64.4 51.6 77.4
 111 49.6 37.3 55.9





#15

Benzyl Alcohol

Concen: 40.17 ng

RT: 6.82 min Scan# 449

Delta R.T. 0.00 min

Lab File: BF091084.D

Acq: 8 Nov 2016 16:13

Instrument :

BNA_F

ClientSampleId :

PB94597BSD

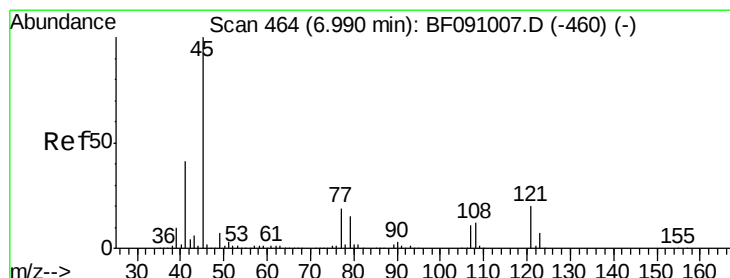
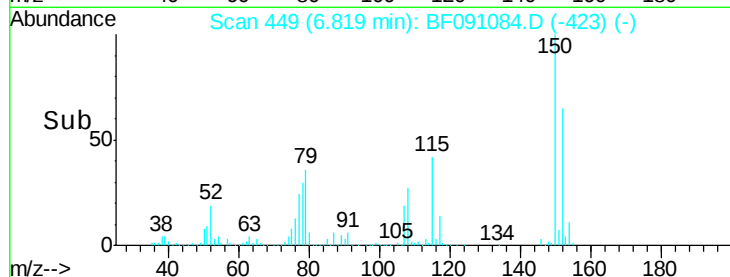
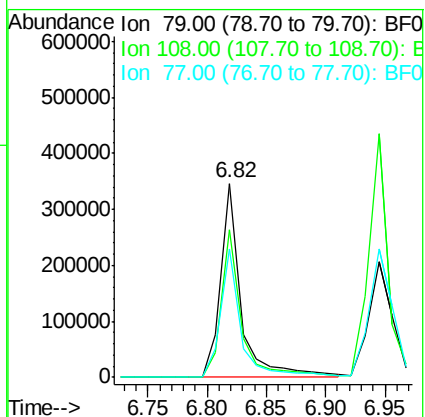
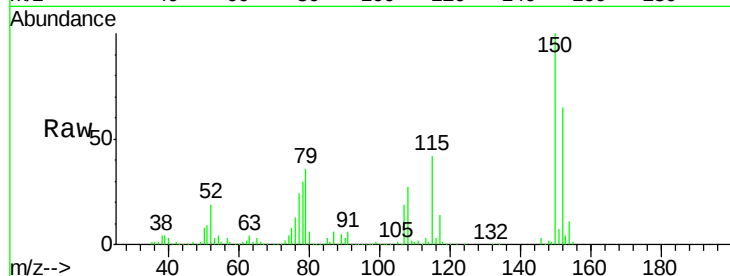
Tgt Ion: 79 Resp: 416375

Ion Ratio Lower Upper

79 100

108 76.1 55.7 83.5

77 66.0 52.6 79.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.76 ng

RT: 6.96 min Scan# 461

Delta R.T. 0.00 min

Lab File: BF091084.D

Acq: 8 Nov 2016 16:13

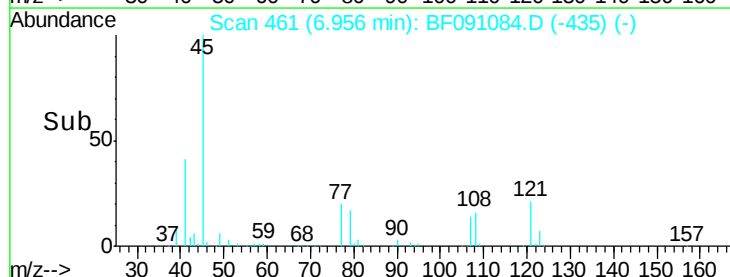
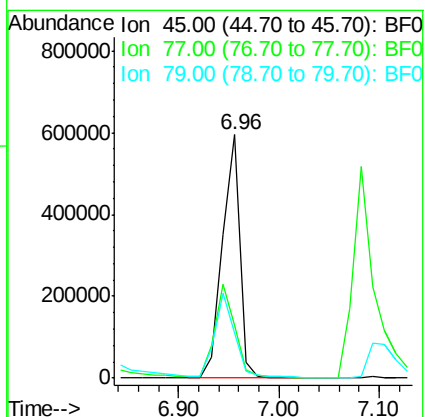
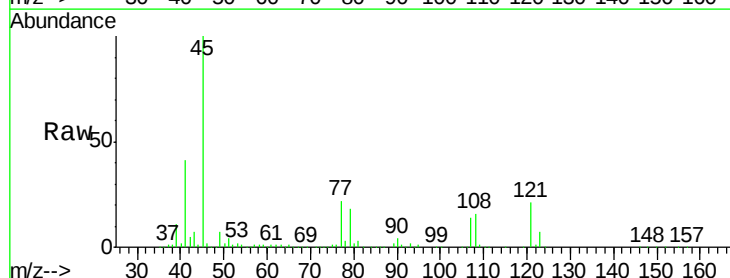
Tgt Ion: 45 Resp: 721313

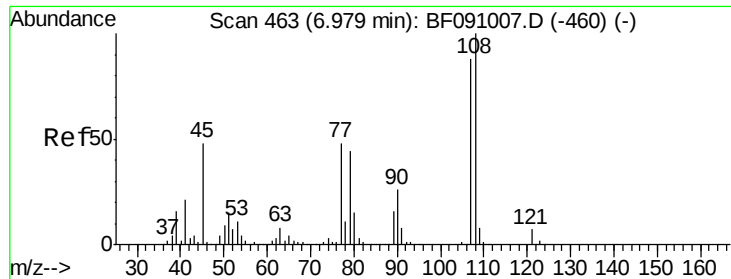
Ion Ratio Lower Upper

45 100

77 21.8 0.0 39.6

79 18.4 0.0 35.9

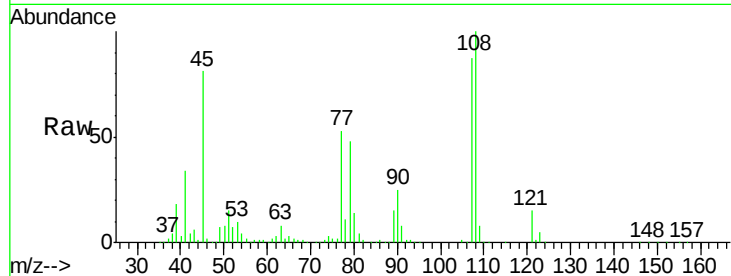




#17
2-Methylphenol
Concen: 42.11 ng
RT: 6.94 min Scan# 460
Delta R.T. 0.00 min
Lab File: BF091084.D
Acq: 8 Nov 2016 16:13

Instrument :
BNA_F
ClientSampleID :
PB94597BSD

Tgt Ion	Ratio	Lower	Upper
107	100		
108	114.3	91.0	136.6
77	60.3	43.8	65.8
79	54.5	40.6	60.8



Abundance

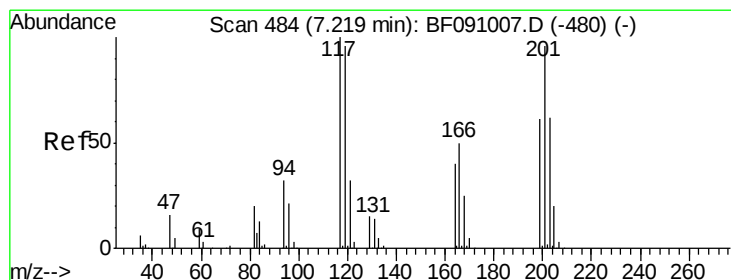
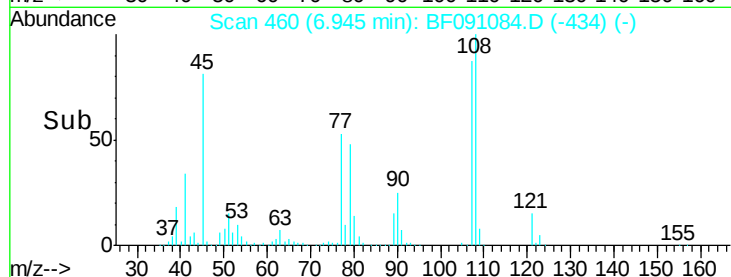
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

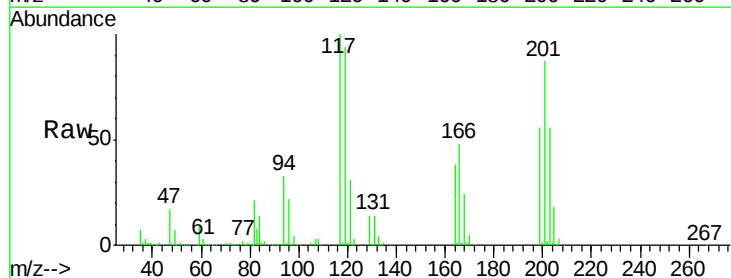
Ion 79.00 (78.70 to 79.70): BF0

Time-->



#18
Hexachloroethane
Concen: 39.63 ng
RT: 7.17 min Scan# 480
Delta R.T. 0.00 min
Lab File: BF091084.D
Acq: 8 Nov 2016 16:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	76.6	115.0
201	86.5	77.1	115.7



Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

Time-->

