

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040616\
 Data File : BF086097.D
 Acq On : 6 Apr 2016 14:34
 Operator : UM/SJ
 Sample : PB89567BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB89567BS

Quant Time: Apr 07 01:02:41 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	158374	20.00	ng	-0.03
21) Naphthalene-d8	8.03	136	667131	20.00	ng	-0.03
38) Acenaphthene-d10	9.78	164	301251	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	578567	20.00	ng	-0.03
75) Chrysene-d12	13.91	240	422660	20.00	ng	-0.02
86) Perylene-d12	15.30	264	325212	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.34	112	725851	78.34	ng	-0.02
7) Phenol-d6	6.40	99	956350	81.26	ng	-0.02
23) Nitrobenzene-d5	7.31	82	575718	50.89	ng	-0.03
41) 2,4,6-Tribromophenol	10.58	330	255287	90.29	ng	-0.02
44) 2-Fluorobiphenyl	9.10	172	975507	53.84	ng	-0.03
78) Terphenyl-d14	12.84	244	972745	54.10	ng	-0.03

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.34	88	101157	23.03	ng	97
3) Pyridine	3.04	79	263631	26.81	ng	99
4) n-Nitrosodimethylamine	2.98	42	114222	26.41	ng	95
6) Aniline	6.41	93	189426	12.27	ng	# 1
8) 2-Chlorophenol	6.53	128	285845	25.87	ng	95
9) Benzaldehyde	6.29	77	97657	15.42	ng	92
10) Phenol	6.41	94	389933	29.05	ng	93
11) bis(2-Chloroethyl)ether	6.49	93	286767	26.98	ng	96
12) 1,3-Dichlorobenzene	6.68	146	298089	25.45	ng	# 95
13) 1,4-Dichlorobenzene	6.76	146	308175	25.54	ng	95
14) 1,2-Dichlorobenzene	6.91	146	280137	25.23	ng	97
15) Benzyl Alcohol	6.90	79	214705	28.20	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.02	45	317537	24.45	ng	73
17) 2-Methylphenol	7.01	107	233548	26.81	ng	97
18) Hexachloroethane	7.25	117	113640	25.61	ng	96
19) n-Nitroso-di-n-propylamine	7.16	70	181394	24.87	ng	# 92
20) 3+4-Methylphenols	7.17	107	303801	28.67	ng	# 64
22) Acetophenone	7.16	105	389352	24.83	ng	# 91
24) Nitrobenzene	7.33	77	314079	25.38	ng	95
25) Isophorone	7.57	82	553444	24.78	ng	97
26) 2-Nitrophenol	7.65	139	156073	26.36	ng	99
27) 2,4-Dimethylphenol	7.70	122	280758	26.40	ng	97
28) bis(2-Chloroethoxy)methane	7.79	93	347545	26.52	ng	99
29) 2,4-Dichlorophenol	7.89	162	228511	25.41	ng	96
30) 1,2,4-Trichlorobenzene	7.97	180	245871	24.36	ng	97
31) Naphthalene	8.05	128	846178	25.22	ng	99
32) Benzoic acid	7.84	122	157017	20.12	ng	98
33) 4-Chloroaniline	8.11	127	81346	6.00	ng	97
34) Hexachlorobutadiene	8.17	225	128150	23.62	ng	99
35) Caprolactam	8.48	113	48352	16.95	ng	91
36) 4-Chloro-3-methylphenol	8.60	107	240613	23.81	ng	94
37) 2-Methylnaphthalene	8.74	142	522510	23.84	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.91	216	222000	24.52	ng	98
40) Hexachlorocyclopentadiene	8.90	237	158875	55.78	ng	98

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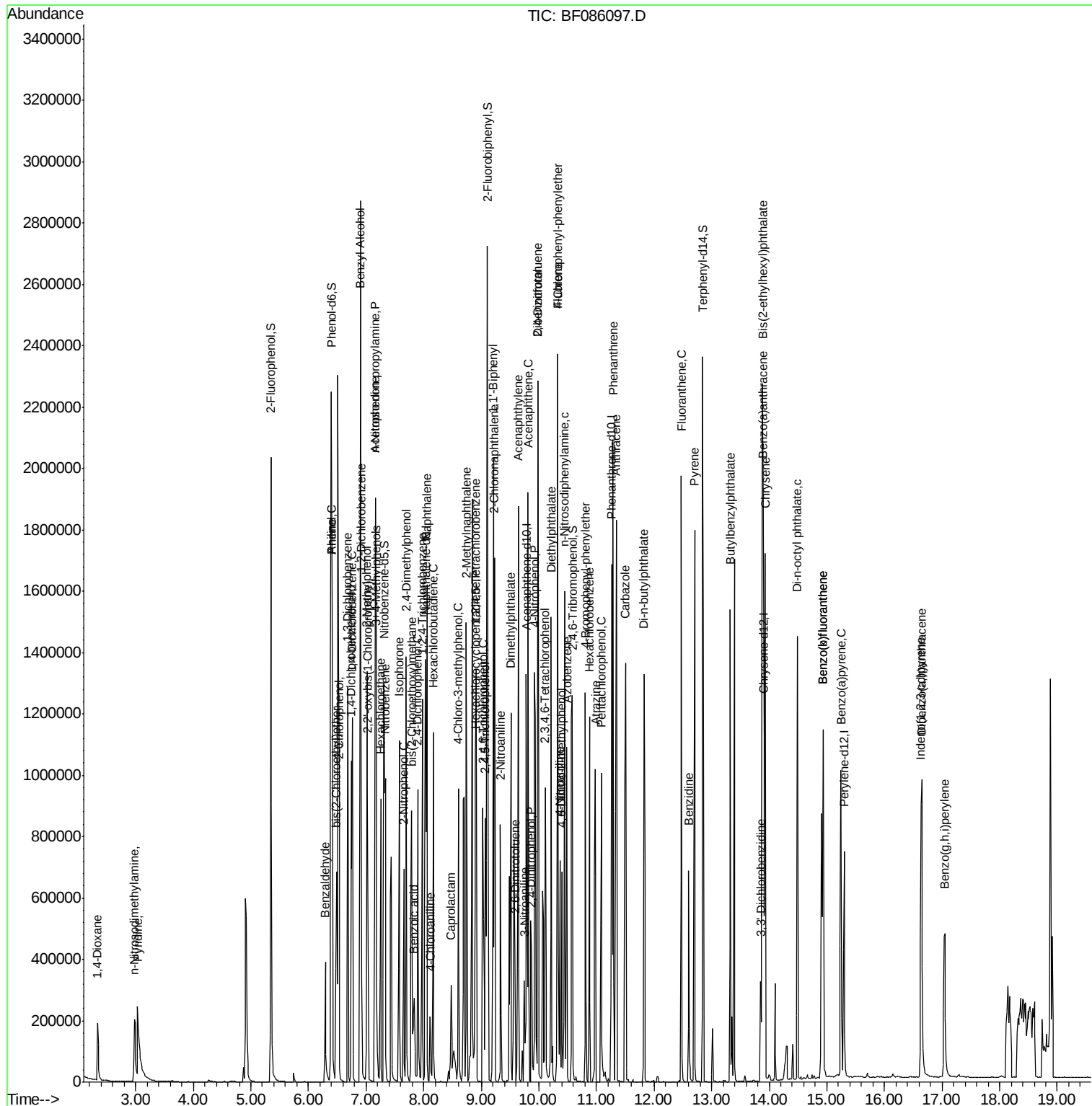
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.02	196	145980	25.11	ng	99
43) 2,4,5-Trichlorophenol	9.07	196	152643	25.86	ng	# 80
45) 1,1'-Biphenyl	9.21	154	643939	24.79	ng	97
46) 2-Chloronaphthalene	9.23	162	476680	25.32	ng	93
47) 2-Nitroaniline	9.33	65	140989	25.59	ng	90
48) Acenaphthylene	9.64	152	723140	23.97	ng	99
49) Dimethylphthalate	9.52	163	593687	26.59	ng	99
50) 2,6-Dinitrotoluene	9.58	165	118749	25.14	ng	# 56
51) Acenaphthene	9.81	154	430034	23.97	ng	100
52) 3-Nitroaniline	9.74	138	60031	10.54	ng	91
53) 2,4-Dinitrophenol	9.87	184	120567	47.68	ng	# 67
54) Dibenzofuran	9.98	168	626066	26.43	ng	96
55) 4-Nitrophenol	9.93	139	159054	47.39	ng	94
56) 2,4-Dinitrotoluene	9.98	165	150081	25.14	ng	# 45
57) Fluorene	10.33	166	474979	23.47	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.11	232	119302	27.14	ng	97
59) Diethylphthalate	10.21	149	597685	26.52	ng	100
60) 4-Chlorophenyl-phenylether	10.33	204	246695	26.17	ng	# 79
61) 4-Nitroaniline	10.36	138	125603	22.40	ng	89
62) Azobenzene	10.49	77	618385	28.65	ng	88
64) 4,6-Dinitro-2-methylphenol	10.40	198	85895	24.50	ng	86
65) n-Nitrosodiphenylamine	10.44	169	433104	23.94	ng	99
66) 4-Bromophenyl-phenylether	10.81	248	141439	23.94	ng	# 86
67) Hexachlorobenzene	10.88	284	150497	24.64	ng	# 80
68) Atrazine	10.98	200	164316	28.11	ng	99
69) Pentachlorophenol	11.08	266	145382	50.78	ng	99
70) Phenanthrene	11.29	178	743551	23.56	ng	100
71) Anthracene	11.34	178	832086	25.17	ng	99
72) Carbazole	11.50	167	734281	25.84	ng	98
73) Di-n-butylphthalate	11.82	149	854266	24.26	ng	99
74) Fluoranthene	12.48	202	818078	24.92	ng	93
76) Benzidine	12.60	184	280847	18.83	ng	98
77) Pyrene	12.71	202	821685	27.59	ng	100
79) Butylbenzylphthalate	13.32	149	361413	26.95	ng	# 86
80) Benzo(a)anthracene	13.89	228	597580	23.99	ng	99
81) 3,3'-Dichlorobenzidine	13.85	252	79311	4.36	ng	# 96
82) Chrysene	13.93	228	604183	25.18	ng	100
83) Bis(2-ethylhexyl)phthalate	13.88	149	452077	25.40	ng	# 96
84) Di-n-octyl phthalate	14.49	149	687471	24.19	ng	99
85) Indeno(1,2,3-cd)pyrene	16.64	276	476927	24.49	ng	99
87) Benzo(b)fluoranthene	14.93	252	958567	46.86	ng	# 97
88) Benzo(k)fluoranthene	14.93	252	958577	52.91	ng	99
89) Benzo(a)pyrene	15.24	252	448451	24.74	ng	98
90) Dibenzo(a,h)anthracene	16.65	278	396454	27.18	ng	99
91) Benzo(g,h,i)perylene	17.05	276	406342	28.79	ng	94

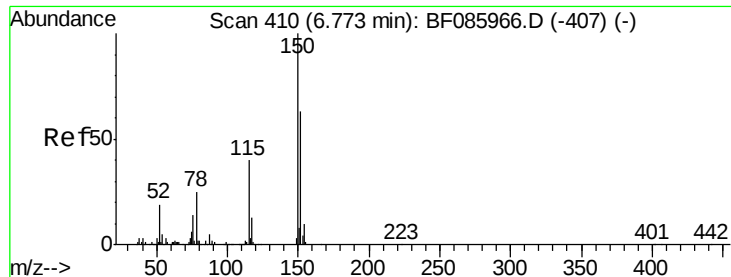
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF086097.D

Acq: 6 Apr 2016 14:34

Instrument :

BNA_F

ClientSampleId :

PB89567BS

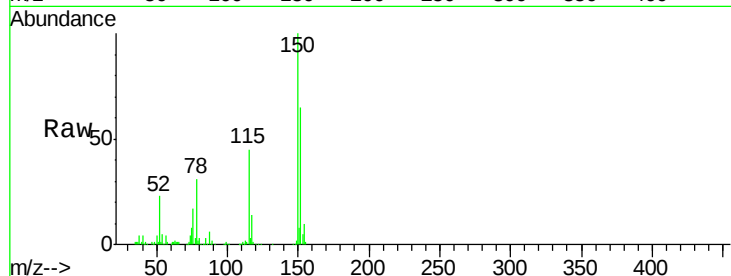
Tgt Ion:152 Resp: 158374

Ion Ratio Lower Upper

152 100

150 154.8 124.2 186.2

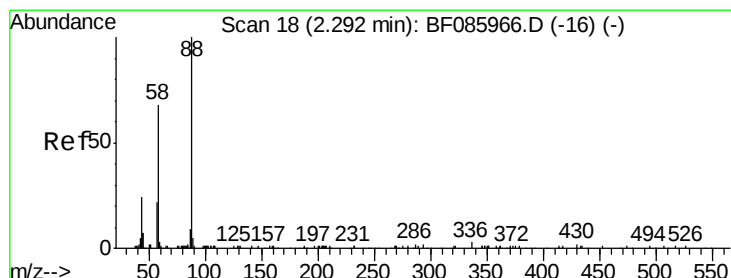
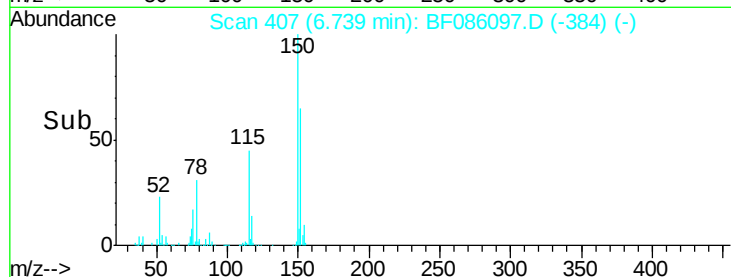
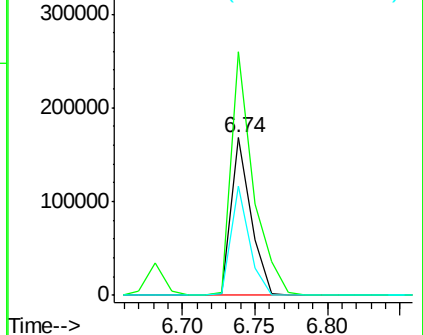
115 69.4 47.0 70.6



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: 23.03 ng

RT: 2.34 min Scan# 22

Delta R.T. 0.05 min

Lab File: BF086097.D

Acq: 6 Apr 2016 14:34

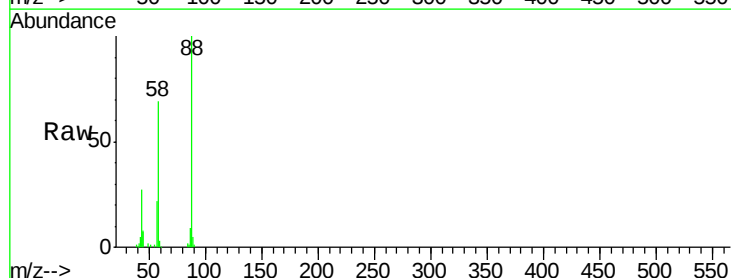
Tgt Ion: 88 Resp: 101157

Ion Ratio Lower Upper

88 100

58 65.7 54.2 81.2

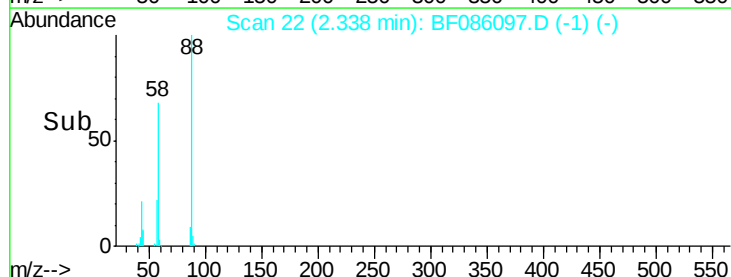
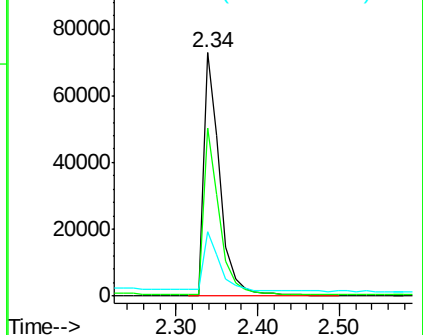
43 27.1 19.3 28.9



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: 26.81 ng

RT: 3.04 min Scan# 83

Delta R.T. 0.03 min

Lab File: BF086097.D

Acq: 6 Apr 2016 14:34

Instrument :

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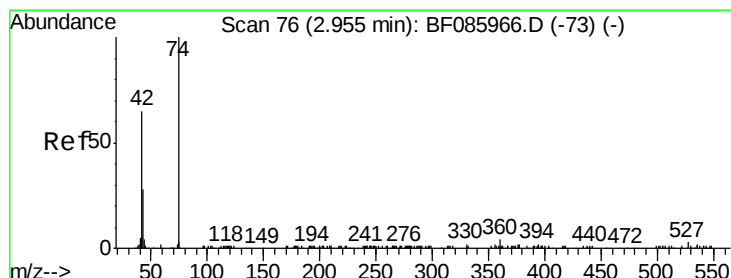
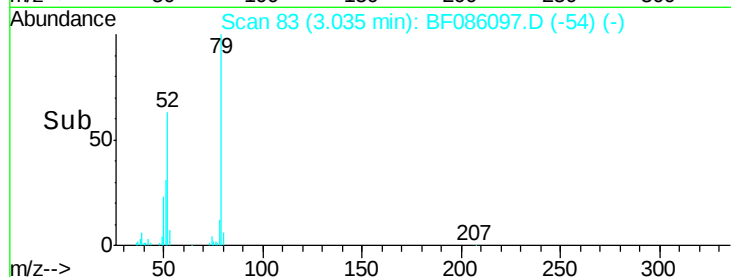
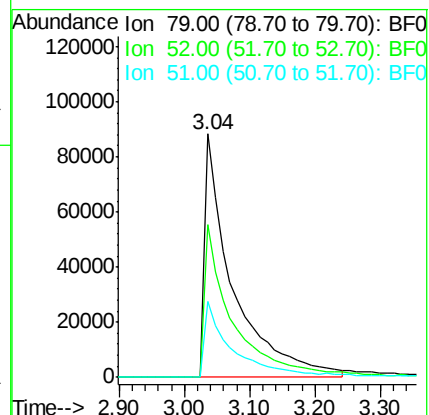
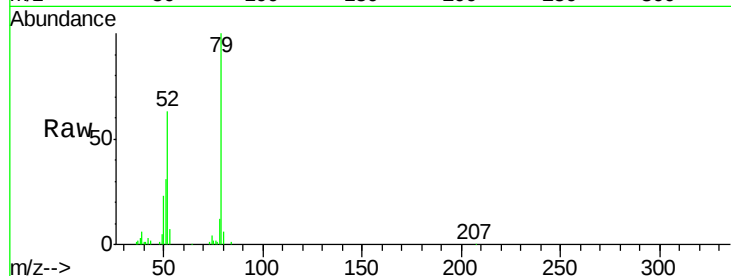
Tgt Ion: 79 Resp: 263631

Ion Ratio Lower Upper

79 100

52 62.9 49.8 74.6

51 31.1 24.7 37.1



#4

n-Nitrosodimethylamine

Concen: 26.41 ng

RT: 2.98 min Scan# 78

Delta R.T. 0.02 min

Lab File: BF086097.D

Acq: 6 Apr 2016 14:34

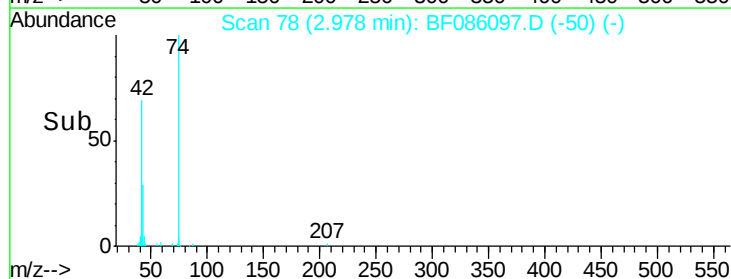
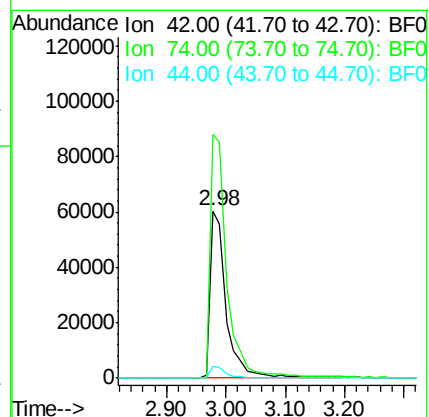
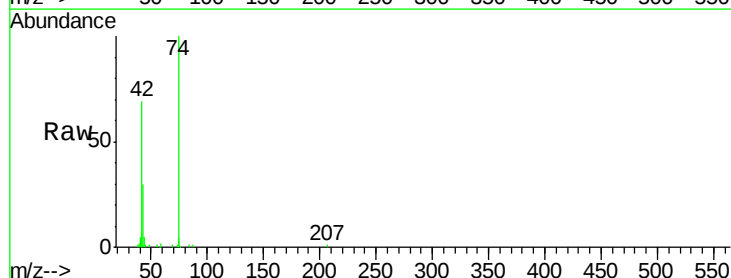
Tgt Ion: 42 Resp: 114222

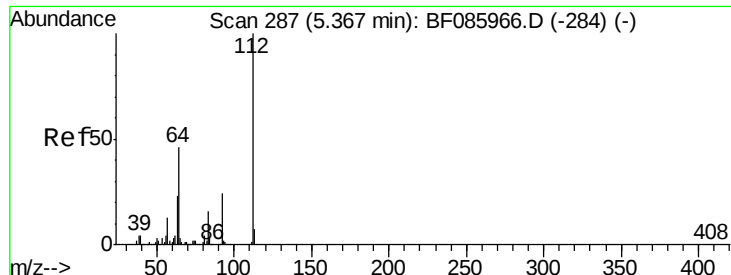
Ion Ratio Lower Upper

42 100

74 145.8 121.4 182.2

44 7.1 5.6 8.4





#5

2-Fluorophenol

Concen: 78.34 ng

RT: 5.34 min Scan# 285

Delta R.T. -0.02 min

Lab File: BF086097.D

Acq: 6 Apr 2016 14:34

Instrument :

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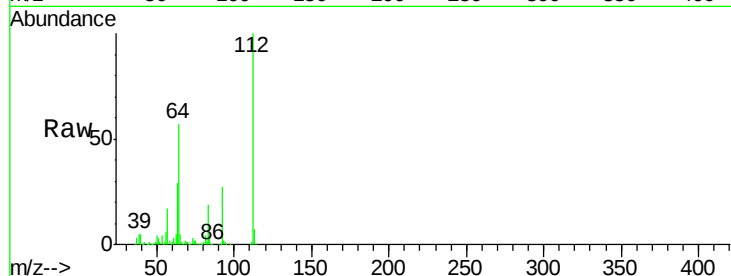
Tgt Ion: 112 Resp: 725851

Ion Ratio Lower Upper

112 100

64 57.0 39.9 59.9

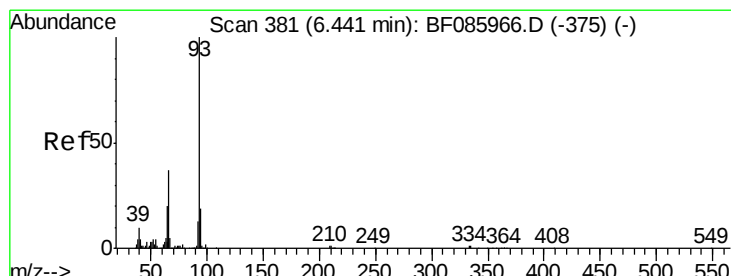
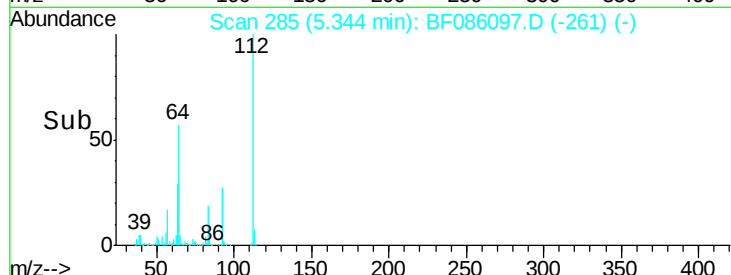
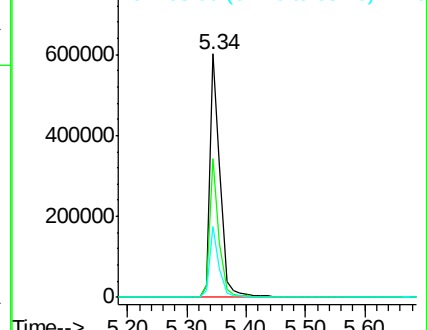
63 29.1 20.2 30.2



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: 12.27 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF086097.D

Acq: 6 Apr 2016 14:34

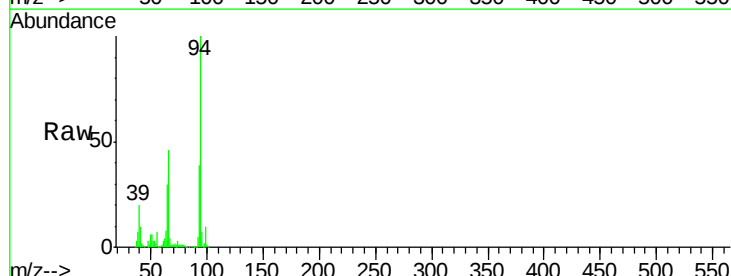
Tgt Ion: 93 Resp: 189426

Ion Ratio Lower Upper

93 100

66 117.9 31.4 47.2#

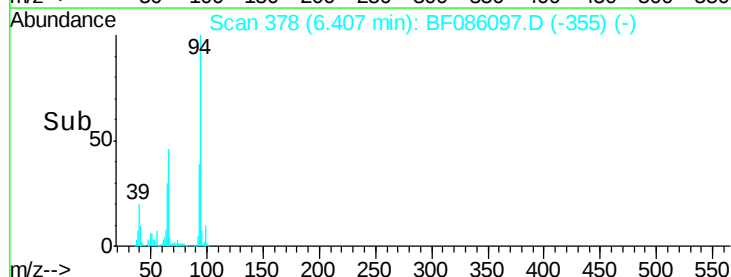
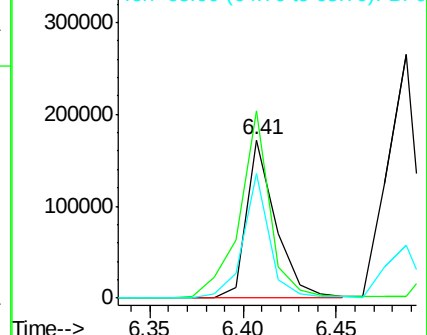
65 78.5 15.7 23.5#

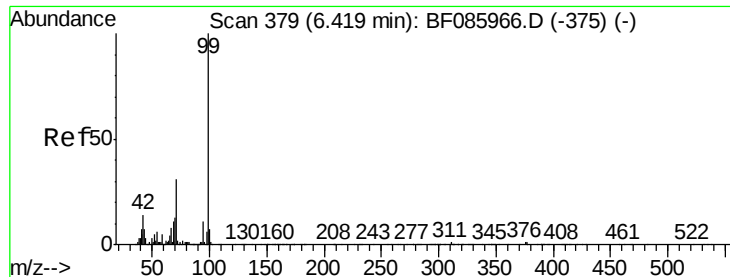


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 81.26 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF086097.D

Acq: 6 Apr 2016 14:34

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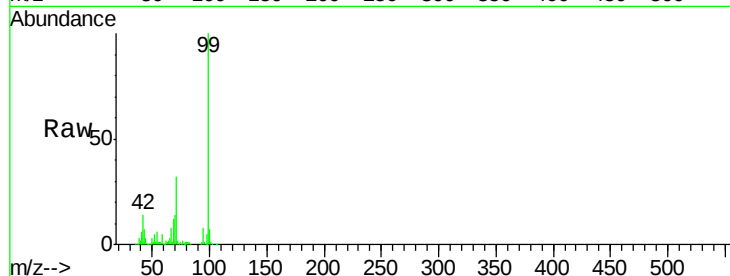
Tgt Ion: 99 Resp: 956350

Ion Ratio Lower Upper

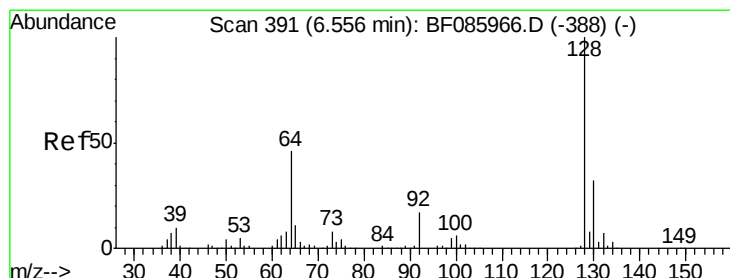
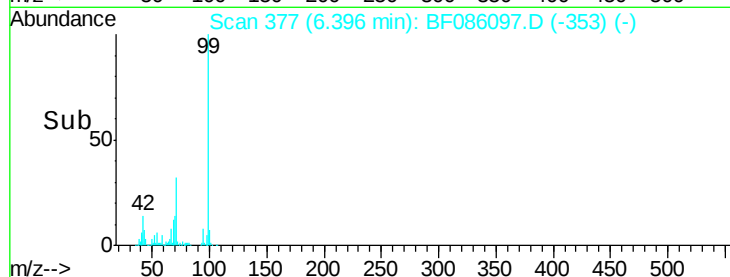
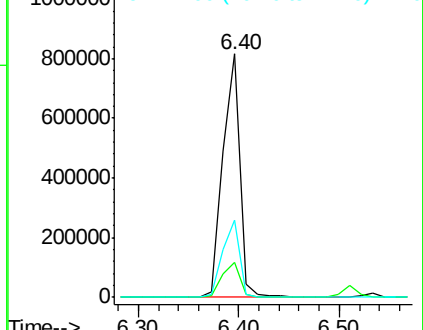
99 100

42 14.2 11.1 16.7

71 31.5 24.9 37.3



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: 25.87 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.02 min

Lab File: BF086097.D

Acq: 6 Apr 2016 14:34

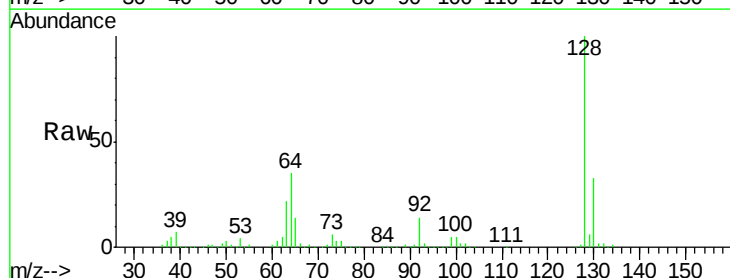
Tgt Ion: 128 Resp: 285845

Ion Ratio Lower Upper

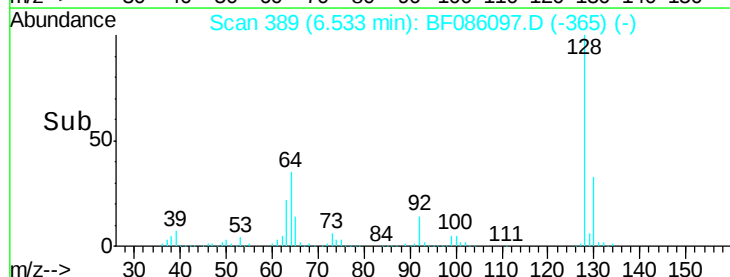
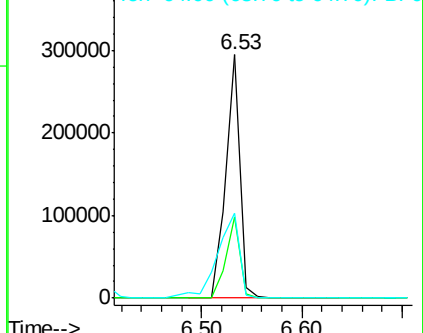
128 100

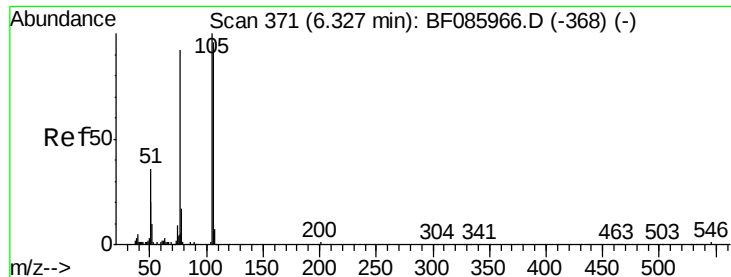
130 33.5 12.9 52.9

64 34.6 20.2 60.2



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: 15.42 ng

RT: 6.29 min Scan# 368

Delta R.T. -0.03 min

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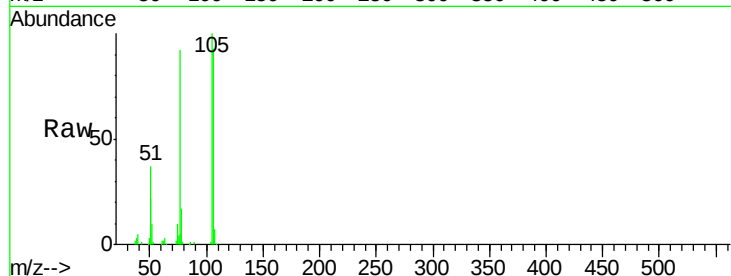
Tgt Ion: 77 Resp: 97657

Ion Ratio Lower Upper

77 100

105 109.1 80.1 120.1

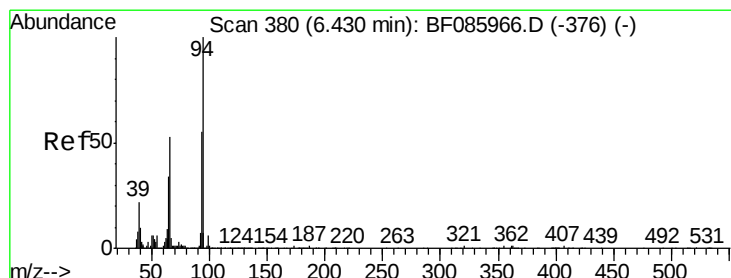
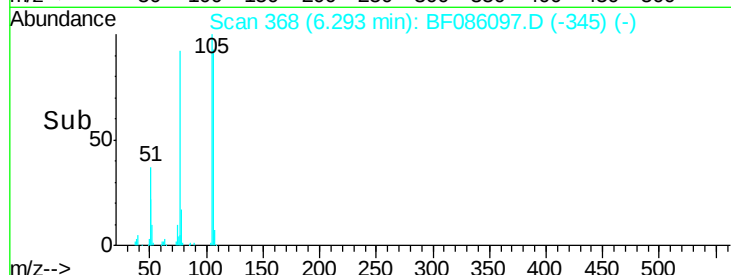
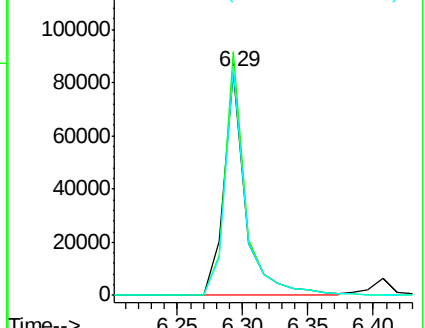
106 101.5 75.0 115.0



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: 29.05 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.02 min

Lab File: BF086097.D

Acq: 6 Apr 2016 14:34

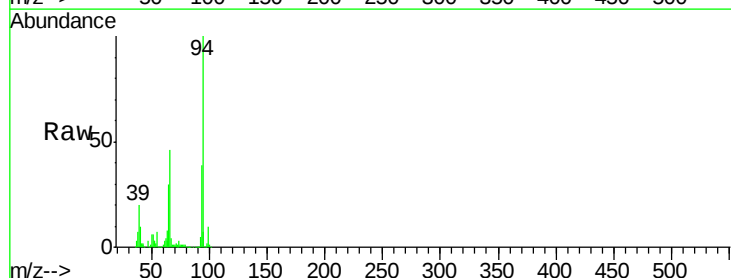
Tgt Ion: 94 Resp: 389933

Ion Ratio Lower Upper

94 100

65 30.4 8.6 48.6

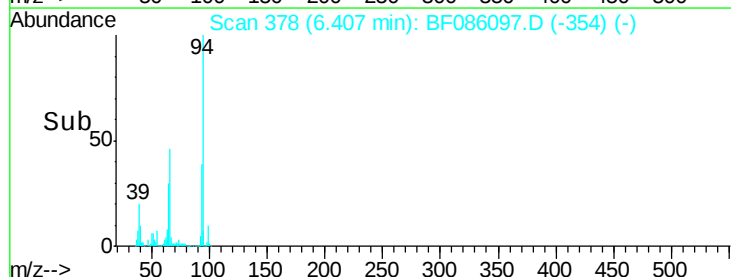
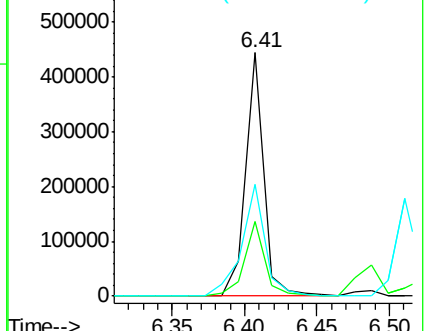
66 45.7 20.0 60.0

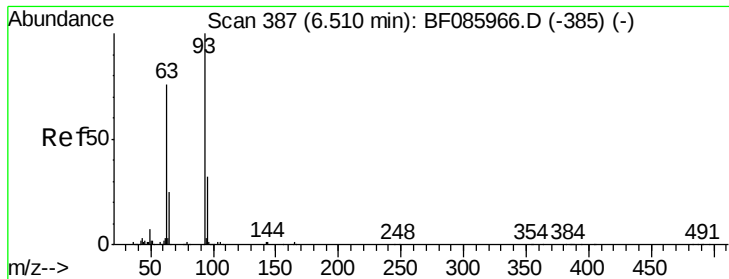


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 26.98 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF086097.D

Acq: 6 Apr 2016 14:34

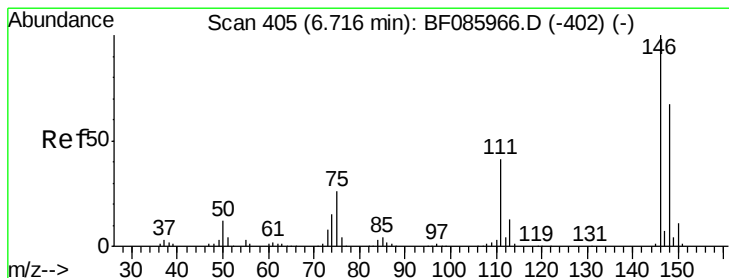
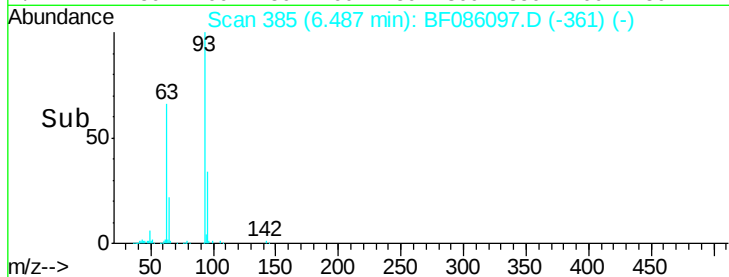
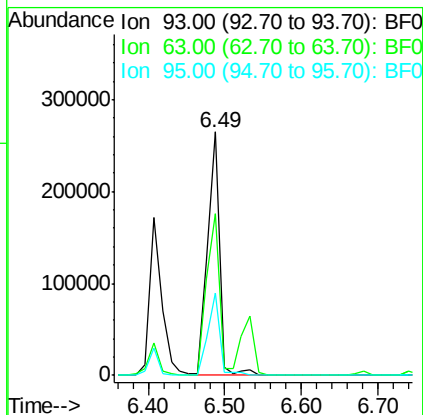
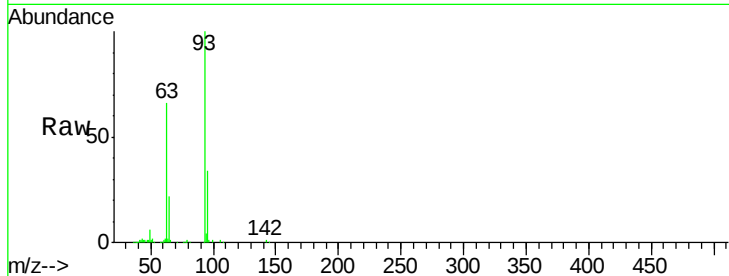
Instrument :

BNA_F

ClientSampleId :

PB89567BS

Tgt Ion:	93	Resp:	286767
Ion	Ratio	Lower	Upper
93	100		
63	66.4	50.9	90.9
95	33.6	13.3	53.3



#12

1,3-Dichlorobenzene

Concen: 25.45 ng

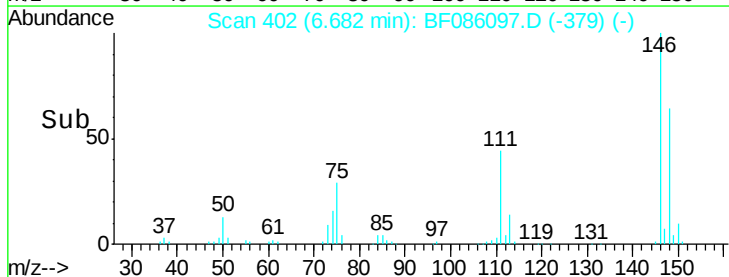
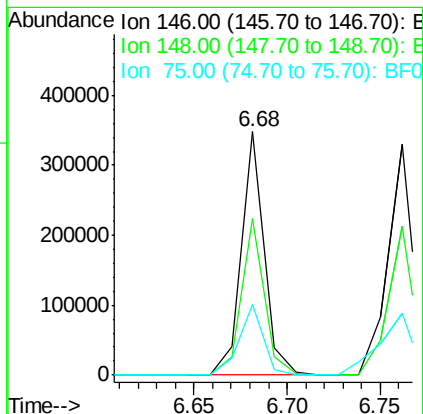
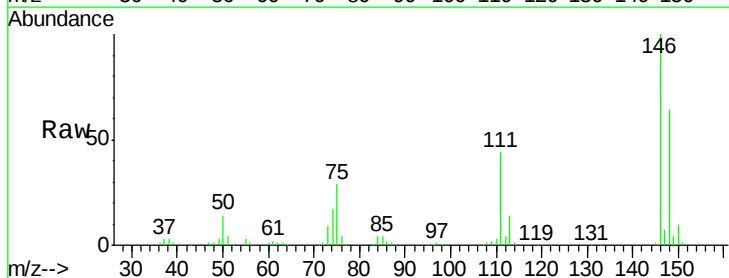
RT: 6.68 min Scan# 402

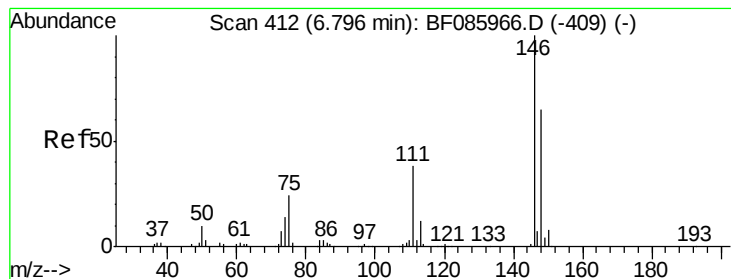
Delta R.T. -0.03 min

Lab File: BF086097.D

Acq: 6 Apr 2016 14:34

Tgt Ion:	146	Resp:	298089
Ion	Ratio	Lower	Upper
146	100		
148	64.3	52.3	78.5
75	28.9	17.4	26.2





#13

1,4-Dichlorobenzene

Concen: 25.54 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.03 min

Lab File: BF086097.D

Acq: 6 Apr 2016 14:34

Instrument :

BNA_F

ClientSampleId :

PB89567BS

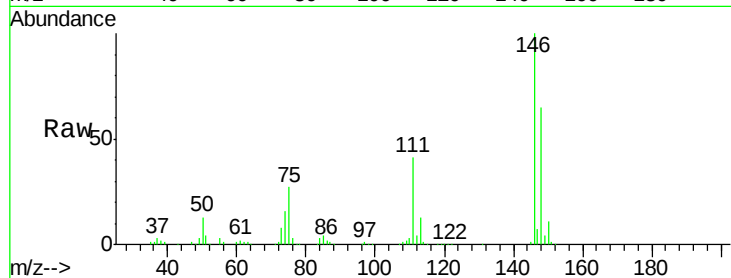
Tgt Ion:146 Resp: 308175

Ion Ratio Lower Upper

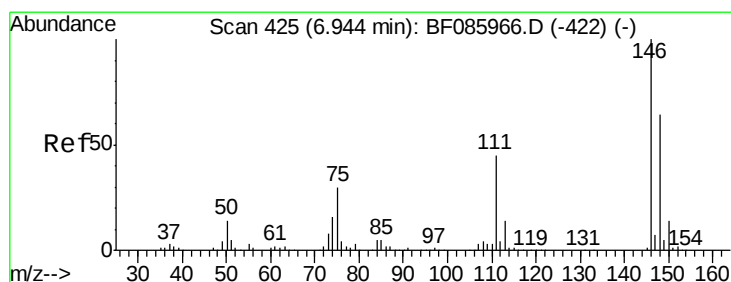
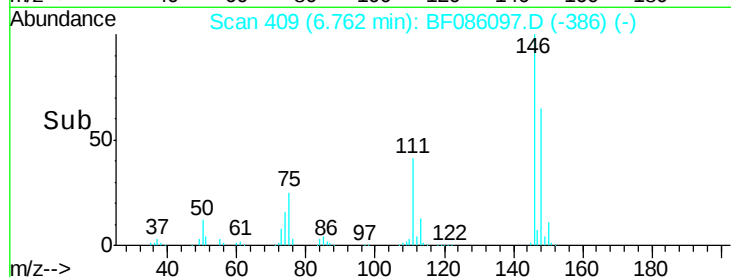
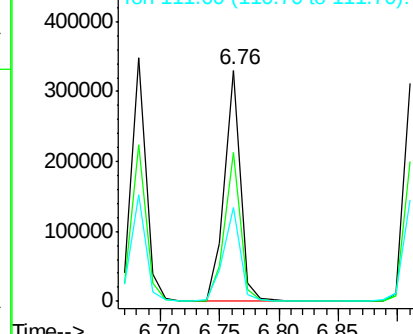
146 100

148 64.7 50.6 76.0

111 40.9 37.8 56.6



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: 25.23 ng

RT: 6.91 min Scan# 422

Delta R.T. -0.03 min

Lab File: BF086097.D

Acq: 6 Apr 2016 14:34

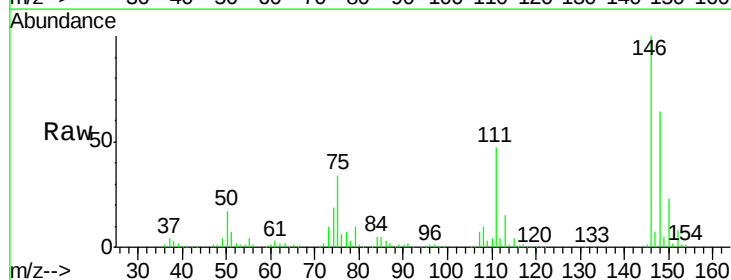
Tgt Ion:146 Resp: 280137

Ion Ratio Lower Upper

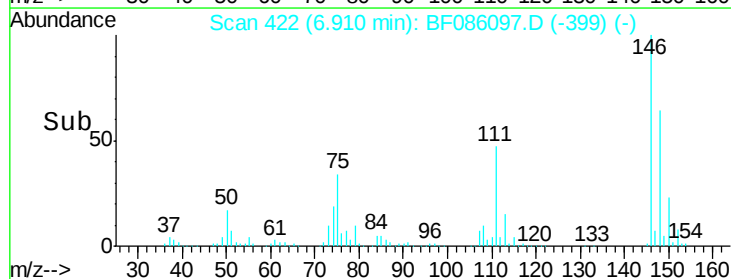
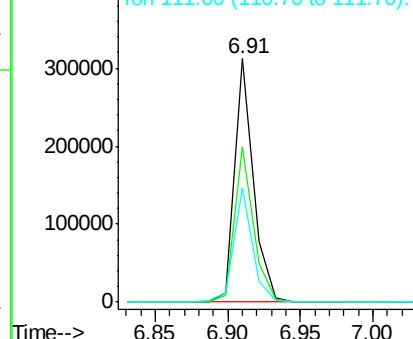
146 100

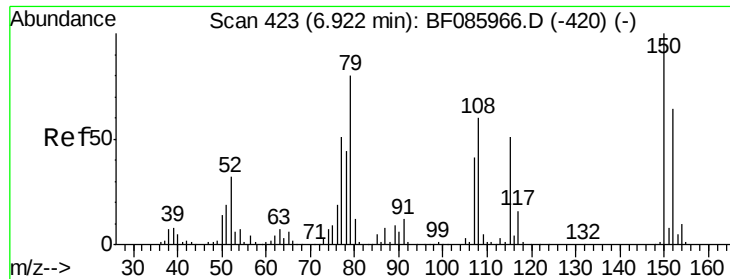
148 63.8 51.4 77.2

111 46.8 34.6 52.0



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

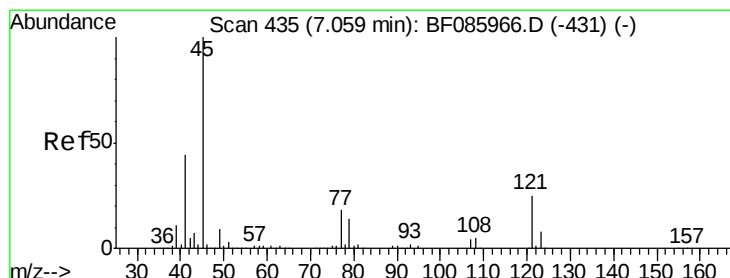
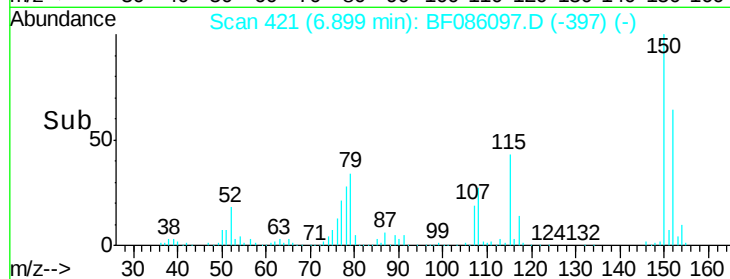
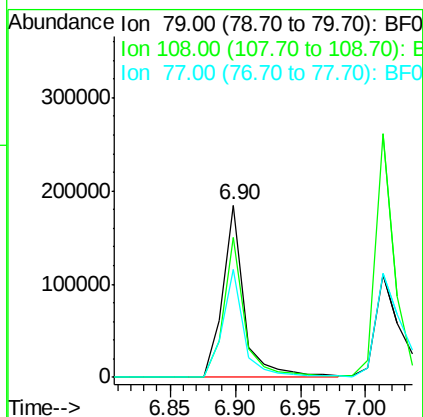
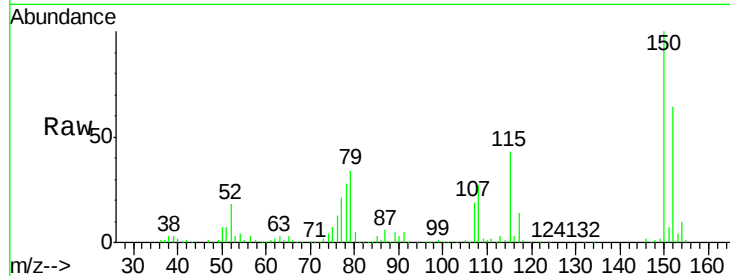




#15
Benzyl Alcohol
Concen: 28.20 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.02 min
Lab File: BF086097.D
Acq: 6 Apr 2016 14:34

Instrument :
BNA_F
ClientSampleId :
PB89567BS

Tgt Ion: 79 Resp: 214705
Ion Ratio Lower Upper
79 100
108 81.6 61.8 92.6
77 62.6 49.6 74.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 24.45 ng
RT: 7.02 min Scan# 432
Delta R.T. -0.03 min
Lab File: BF086097.D
Acq: 6 Apr 2016 14:34

Tgt Ion: 45 Resp: 317537
Ion Ratio Lower Upper
45 100
77 26.8 0.0 35.7
79 23.2 0.0 32.2

