

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031815\
 Data File : BF077812.D
 Acq On : 19 Mar 2015 00:56
 Operator : TP/IZ
 Sample : PB82134BS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB82103BS

Quant Time: Mar 19 03:17:42 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 19 04:03:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.16	152	49533	20.00	ng	0.00
21) Naphthalene-d8	8.74	136	202663	20.00	ng	0.00
38) Acenaphthene-d10	10.91	164	100570	20.00	ng	0.00
63) Phenanthrene-d10	12.74	188	194000	20.00	ng	0.00
75) Chrysene-d12	16.03	240	210992	20.00	ng	-0.02
86) Perylene-d12	17.75	264	202393	20.00	ng	-0.10

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	306357	107.96	ng	0.01
7) Phenol-d6	6.73	99	379978	108.38	ng	0.00
23) Nitrobenzene-d5	7.86	82	213712	69.13	ng	0.00
41) 2,4,6-Tribromophenol	11.88	330	91923	95.53	ng	0.00
44) 2-Fluorobiphenyl	10.09	172	471865	68.95	ng	0.00
78) Terphenyl-d14	14.74	244	532720	61.67	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.06	88	32334	25.10	ng	# 100
3) Pyridine	2.75	79	92159	26.62	ng	96
4) n-Nitrosodimethylamine	2.68	42	46708	30.99	ng	99
6) Aniline	6.75	93	91349	18.22	ng	# 69
8) 2-Chlorophenol	6.89	128	119702	35.44	ng	99
9) Benzaldehyde	6.60	77	8043	5.60	ng	97
10) Phenol	6.74	94	139428	33.64	ng	91
11) bis(2-Chloroethyl)ether	6.85	93	111236	35.83	ng	97
12) 1,3-Dichlorobenzene	7.08	146	123354	32.83	ng	99
13) 1,4-Dichlorobenzene	7.18	146	124258	31.83	ng	99
14) 1,2-Dichlorobenzene	7.37	146	118319	33.06	ng	100
15) Benzyl Alcohol	7.34	79	91519	33.44	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.53	45	136550	32.64	ng	100
17) 2-Methylphenol	7.49	107	94593	34.40	ng	98
18) Hexachloroethane	7.78	117	42709	33.36	ng	93
19) n-Nitroso-di-n-propylamine	7.68	70	76037	31.35	ng	97
20) 3+4-Methylphenols	7.69	107	121064	33.55	ng	97
22) Acetophenone	7.68	105	156132	34.80	ng	# 93
24) Nitrobenzene	7.88	77	112737	33.85	ng	# 78
25) Isophorone	8.18	82	204180	32.70	ng	100
26) 2-Nitrophenol	8.27	139	55565	34.08	ng	95
27) 2,4-Dimethylphenol	8.34	122	106769	35.94	ng	98
28) bis(2-Chloroethoxy)methane	8.46	93	132121	34.86	ng	99
29) 2,4-Dichlorophenol	8.57	162	100614	35.53	ng	98
30) 1,2,4-Trichlorobenzene	8.67	180	103818	32.77	ng	99
31) Naphthalene	8.76	128	338513	32.52	ng	100
32) Benzoic acid	8.45	122	48731	30.61	ng	90
33) 4-Chloroaniline	8.84	127	82292	19.48	ng	97
34) Hexachlorobutadiene	8.92	225	57350	31.94	ng	99
35) Caprolactam	9.26	113	30005	36.26	ng	91
36) 4-Chloro-3-methylphenol	9.45	107	97665	34.28	ng	86
37) 2-Methylnaphthalene	9.62	142	235943	33.74	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.82	216	101870	33.96	ng	# 100
40) Hexachlorocyclopentadiene	9.81	237	94735	63.76	ng	98

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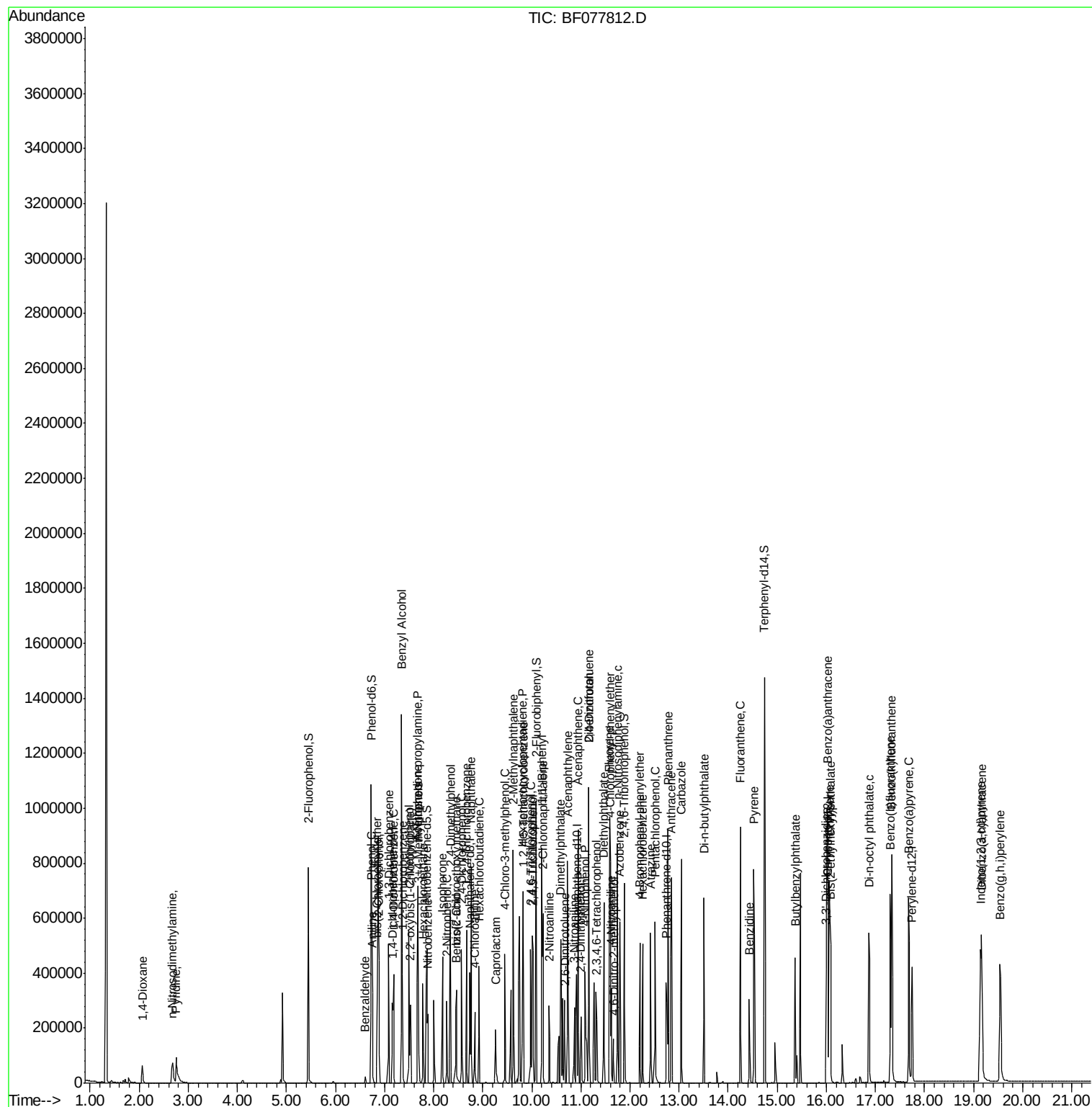
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.97	196	69275	33.34	ng	99
43) 2,4,5-Trichlorophenol	10.02	196	75017	33.42	ng	# 89
45) 1,1'-Biphenyl	10.20	154	270133	33.60	ng	99
46) 2-Chloronaphthalene	10.22	162	218750	33.48	ng	98
47) 2-Nitroaniline	10.35	65	56473	34.80	ng	# 83
48) Acenaphthylene	10.73	152	344484	31.71	ng	99
49) Dimethylphthalate	10.59	163	250218	33.55	ng	99
50) 2,6-Dinitrotoluene	10.67	165	55072	35.62	ng	# 68
51) Acenaphthene	10.95	154	202825	32.56	ng	99
52) 3-Nitroaniline	10.87	138	45598	25.39	ng	90
53) 2,4-Dinitrophenol	11.00	184	38483	68.98	ng	# 74
54) Dibenzofuran	11.16	168	307529	33.29	ng	95
55) 4-Nitrophenol	11.08	139	88133	66.26	ng	# 71
56) 2,4-Dinitrotoluene	11.16	165	75694	37.54	ng	# 76
57) Fluorene	11.59	166	248956	32.45	ng	97
58) 2,3,4,6-Tetrachlorophenol	11.32	232	59623	34.49	ng	# 100
59) Diethylphthalate	11.47	149	244433	33.63	ng	97
60) 4-Chlorophenyl-phenylether	11.60	204	114809	32.79	ng	93
61) 4-Nitroaniline	11.62	138	61411	34.31	ng	84
62) Azobenzene	11.79	77	230689	33.21	ng	94
64) 4,6-Dinitro-2-methylphenol	11.67	198	25855	30.00	ng	# 71
65) n-Nitrosodiphenylamine	11.75	169	217235	33.63	ng	99
66) 4-Bromophenyl-phenylether	12.20	248	68140	32.91	ng	# 90
67) Hexachlorobenzene	12.26	284	73674	32.39	ng	# 94
68) Atrazine	12.42	200	65185	36.01	ng	96
69) Pentachlorophenol	12.51	266	78023	66.04	ng	98
70) Phenanthrene	12.77	178	370178	33.24	ng	98
71) Anthracene	12.84	178	384821	34.97	ng	99
72) Carbazole	13.05	167	374379	35.77	ng	99
73) Di-n-butylphthalate	13.51	149	392502	33.44	ng	99
74) Fluoranthene	14.25	202	409469	33.33	ng	97
76) Benzidine	14.43	184	138011	26.28	ng	97
77) Pyrene	14.52	202	427559	32.23	ng	99
79) Butylbenzylphthalate	15.37	149	164935	31.53	ng	93
80) Benzo(a)anthracene	16.02	228	405761	32.44	ng	100
81) 3,3'-Dichlorobenzidine	16.00	252	90095	21.84	ng	98
82) Chrysene	16.07	228	388974	34.59	ng	99
83) Bis(2-ethylhexyl)phthalate	16.09	149	241058	30.42	ng	100
84) Di-n-octyl phthalate	16.87	149	404882	29.88	ng	99
85) Indeno(1,2,3-cd)pyrene	19.14	276	440746	31.40	ng	# 100
87) Benzo(b)fluoranthene	17.30	252	414276	31.35	ng	99
88) Benzo(k)fluoranthene	17.33	252	380264	36.85	ng	97
89) Benzo(a)pyrene	17.68	252	390119	35.39	ng	# 95
90) Dibenzo(a,h)anthracene	19.16	278	369911	33.83	ng	98
91) Benzo(g,h,i)perylene	19.54	276	377182	33.88	ng	97

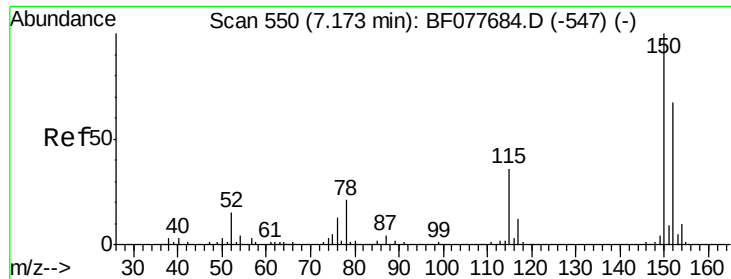
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.16 min Scan# 549

Delta R.T. 0.00 min

Lab File: BF077812.D

Acq: 19 Mar 2015 00:56

Instrument :

BNA_F

ClientSampleId :

PB82103BS

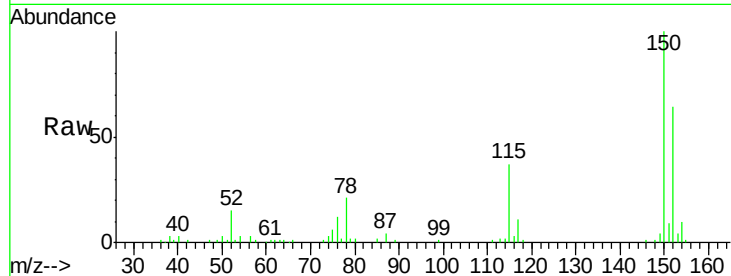
Tgt Ion:152 Resp: 49533

Ion Ratio Lower Upper

152 100

150 156.0 119.5 179.3

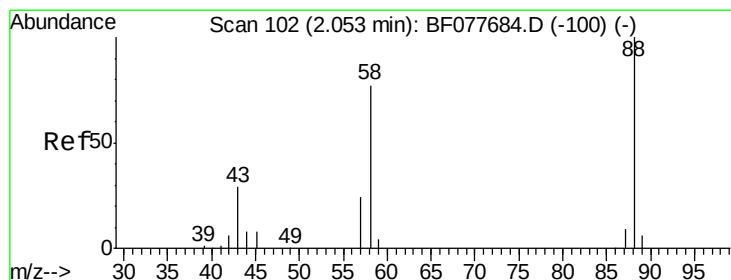
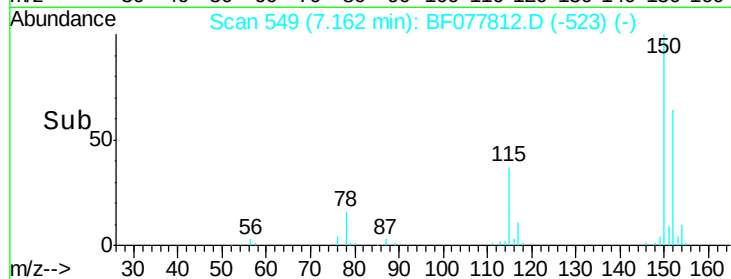
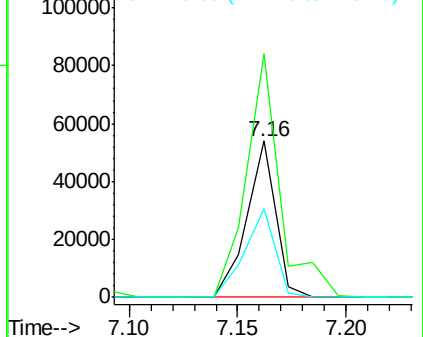
115 57.2 43.0 64.4



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: 25.10 ng

RT: 2.06 min Scan# 103

Delta R.T. 0.02 min

Lab File: BF077812.D

Acq: 19 Mar 2015 00:56

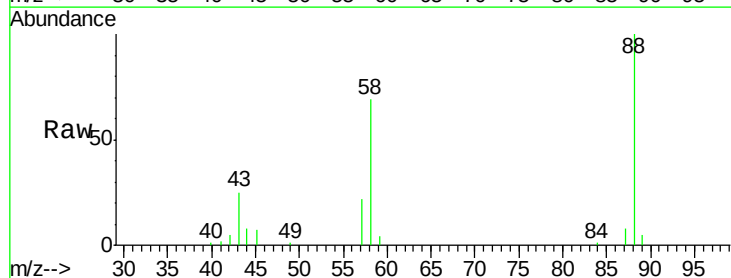
Tgt Ion: 88 Resp: 32334

Ion Ratio Lower Upper

88 100

58 77.1 0.0 0.0#

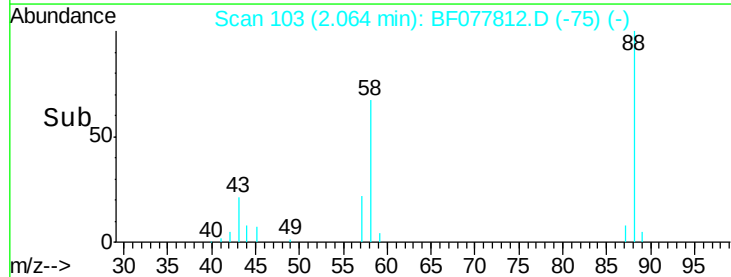
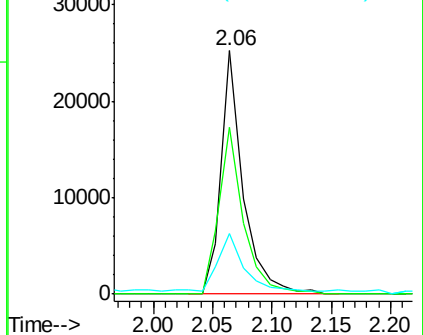
43 27.6 0.0 0.0#

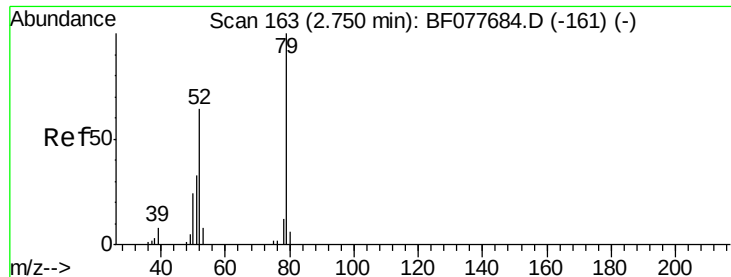


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 26.62 ng

RT: 2.75 min Scan# 163

Delta R.T. 0.03 min

Lab File: BF077812.D

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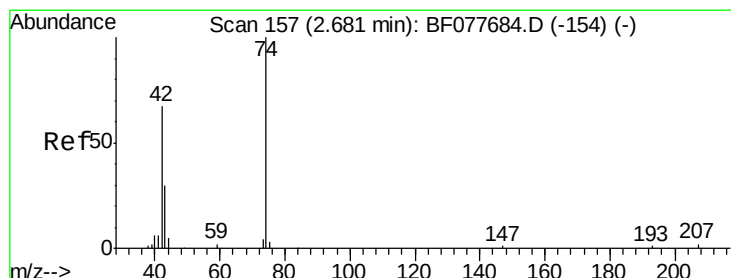
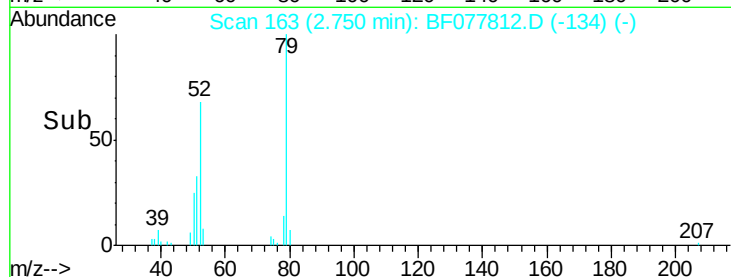
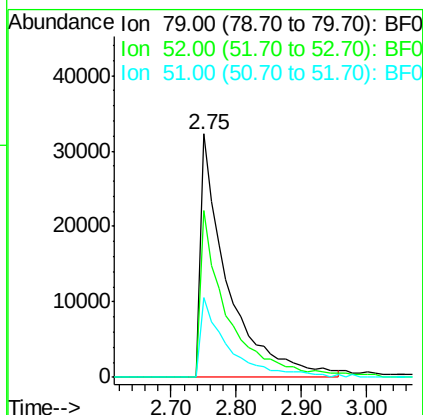
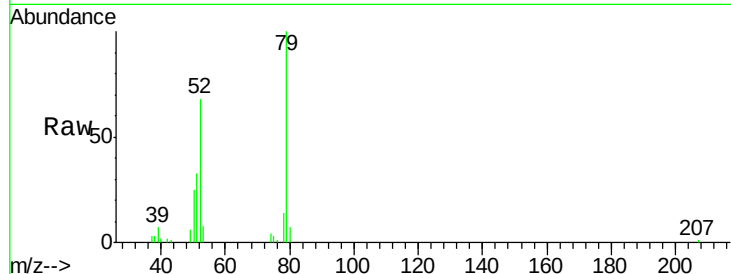
Tgt Ion: 79 Resp: 92159

Ion Ratio Lower Upper

79 100

52 68.3 51.1 76.7

51 32.7 26.1 39.1



#4

n-Nitrosodimethylamine

Concen: 30.99 ng

RT: 2.68 min Scan# 157

Delta R.T. 0.02 min

Lab File: BF077812.D

Acq: 19 Mar 2015 00:56

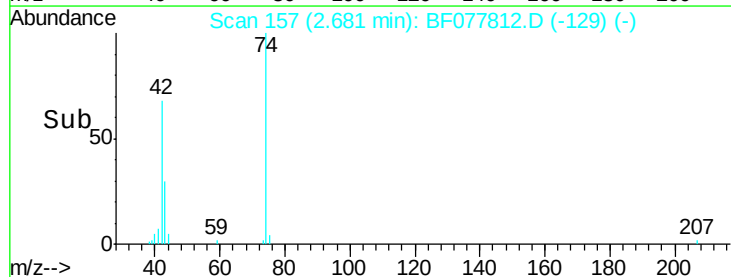
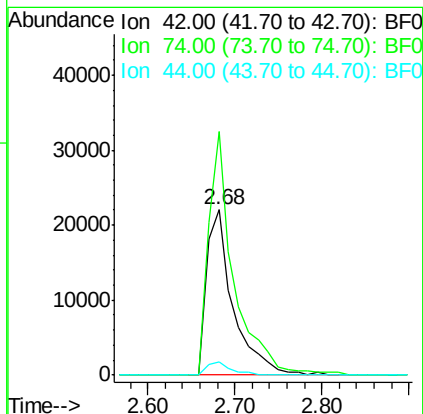
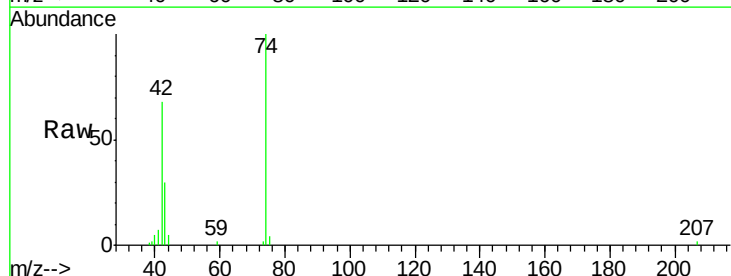
Tgt Ion: 42 Resp: 46708

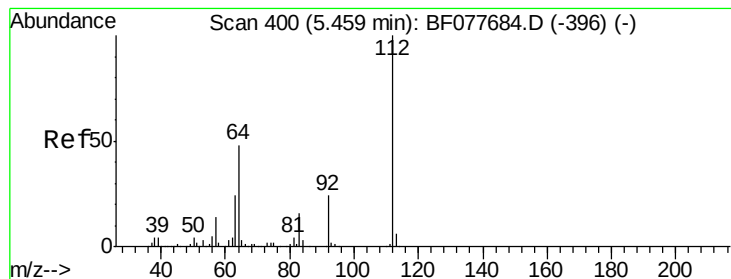
Ion Ratio Lower Upper

42 100

74 147.5 119.3 178.9

44 7.8 5.4 8.2





#5

2-Fluorophenol

Concen: 107.96 ng

RT: 5.45 min Scan# 399

Delta R.T. 0.01 min

Lab File: BF077812.D

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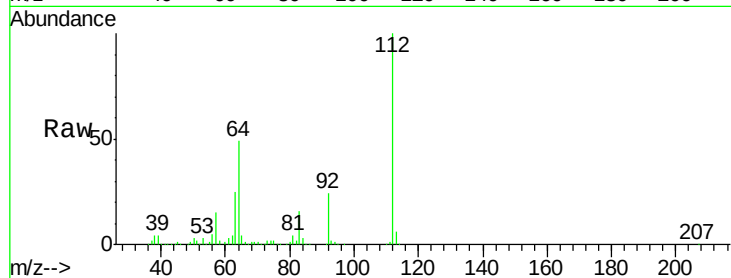
Tgt Ion: 112 Resp: 306357

Ion Ratio Lower Upper

112 100

64 49.2 38.6 57.8

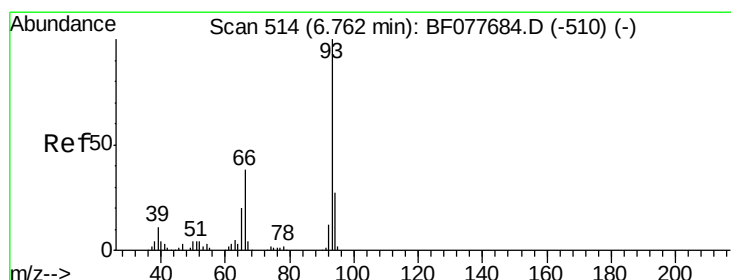
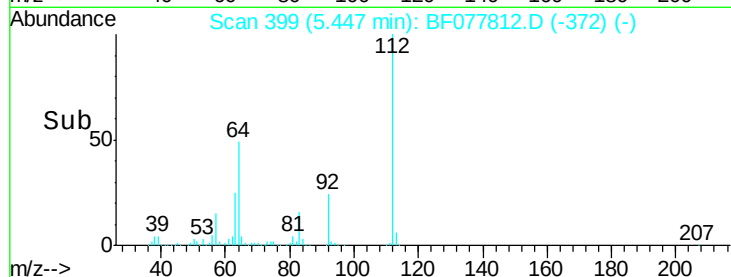
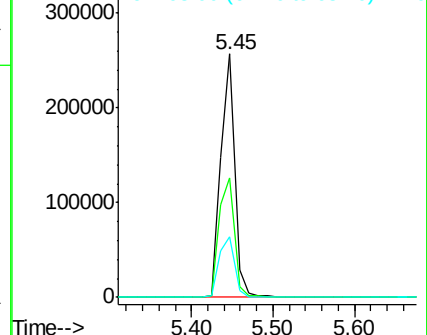
63 24.7 19.3 28.9



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: 18.22 ng

RT: 6.75 min Scan# 513

Delta R.T. 0.00 min

Lab File: BF077812.D

Acq: 19 Mar 2015 00:56

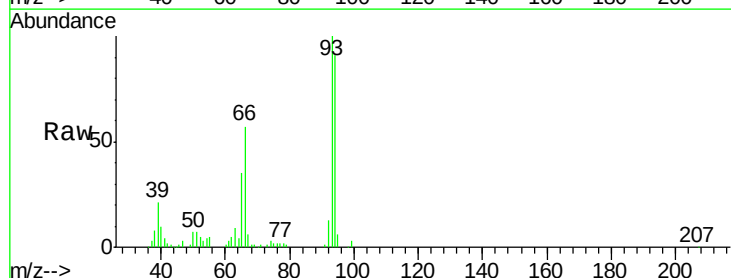
Tgt Ion: 93 Resp: 91349

Ion Ratio Lower Upper

93 100

66 56.9 30.8 46.2#

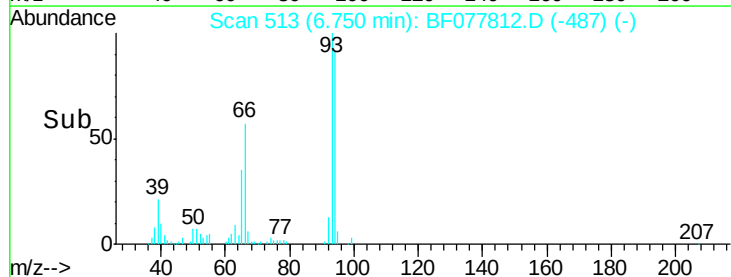
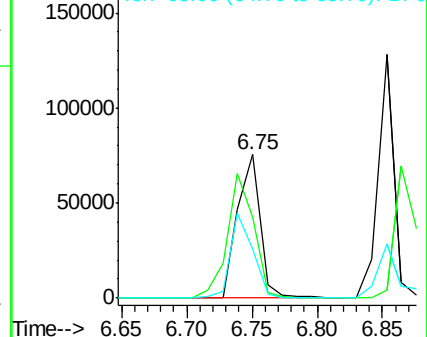
65 34.6 16.0 24.0#

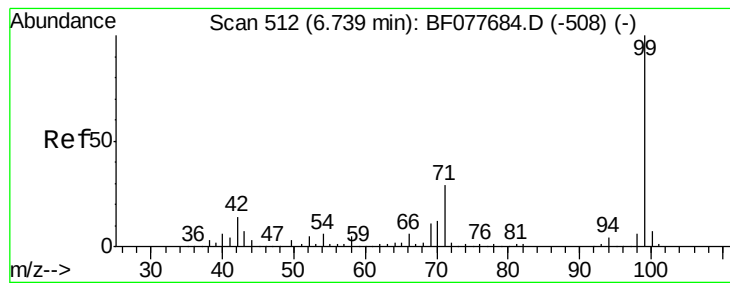


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 108.38 ng

RT: 6.73 min Scan# 511

Delta R.T. 0.00 min

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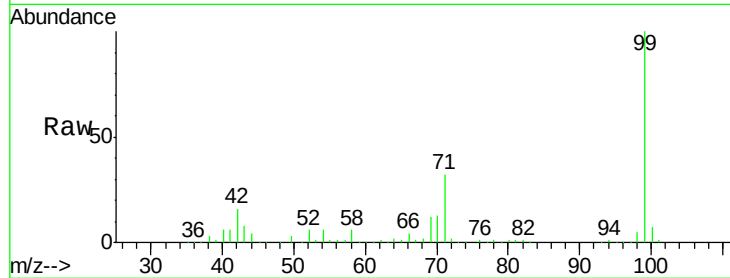
Tgt Ion: 99 Resp: 379978

Ion Ratio Lower Upper

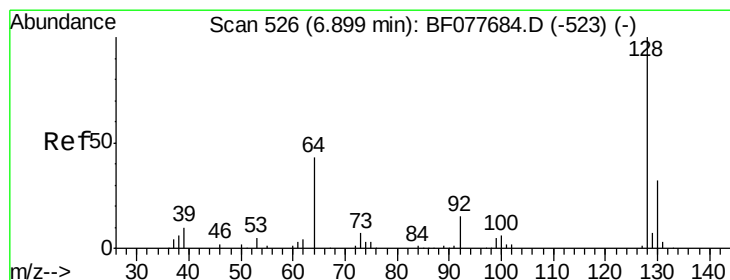
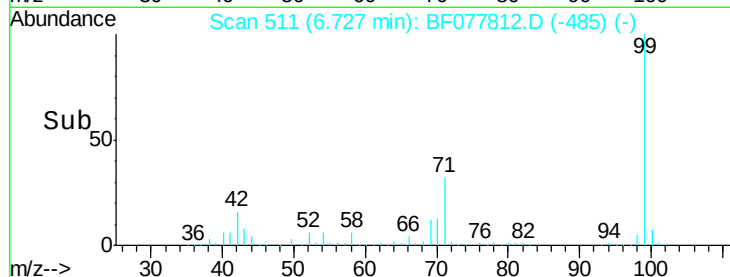
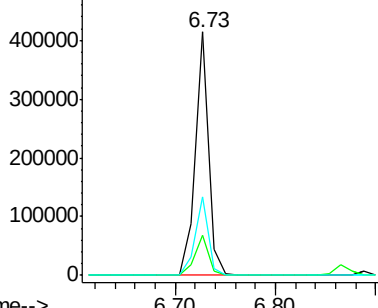
99 100

42 16.3 11.0 16.4

71 32.4 23.4 35.2



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: 35.44 ng

RT: 6.89 min Scan# 525

Delta R.T. 0.00 min

Lab File: BF077812.D

Acq: 19 Mar 2015 00:56

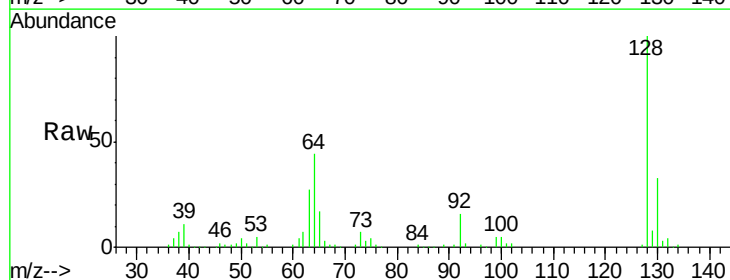
Tgt Ion: 128 Resp: 119702

Ion Ratio Lower Upper

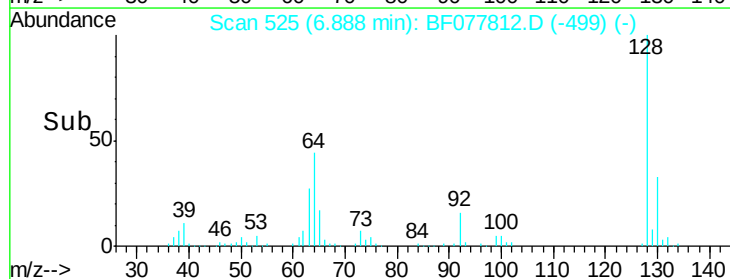
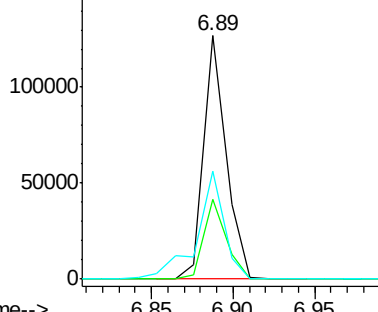
128 100

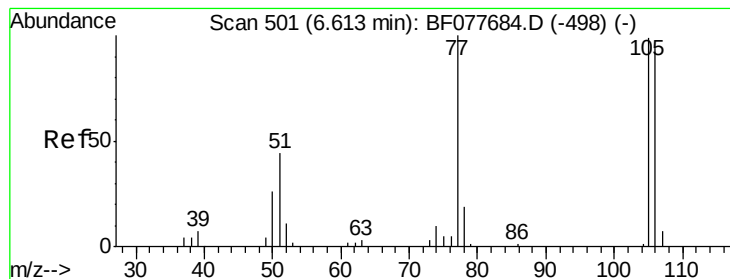
130 32.6 12.0 52.0

64 44.3 24.9 64.9



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: 5.60 ng

RT: 6.60 min Scan# 500

Delta R.T. 0.00 min

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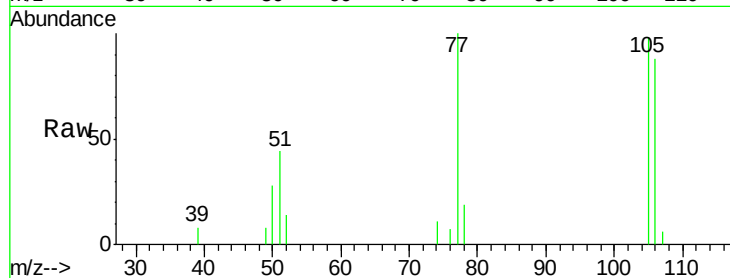
Tgt Ion: 77 Resp: 8043

Ion Ratio Lower Upper

77 100

105 97.6 78.8 118.8

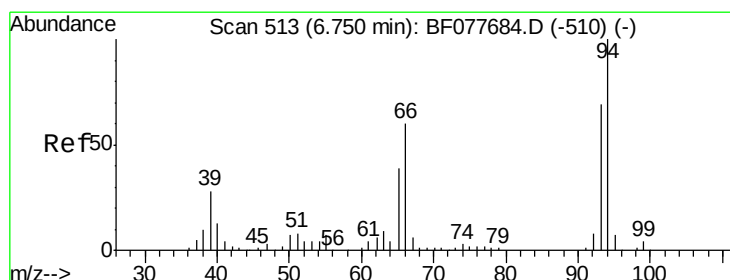
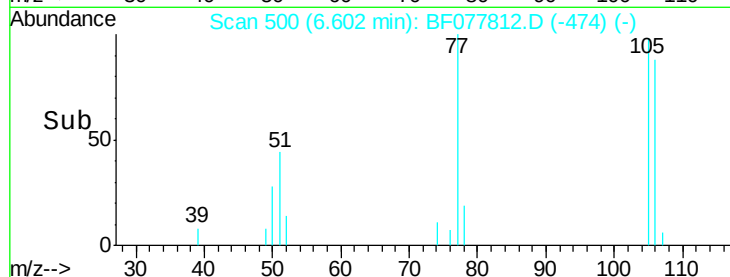
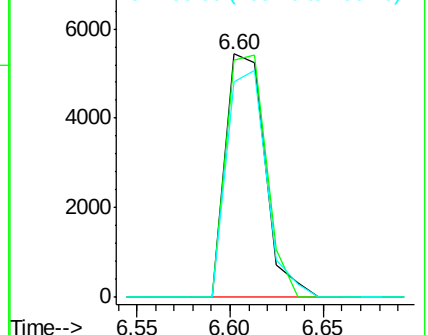
106 88.2 73.7 113.7



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: 33.64 ng

RT: 6.74 min Scan# 512

Delta R.T. 0.00 min

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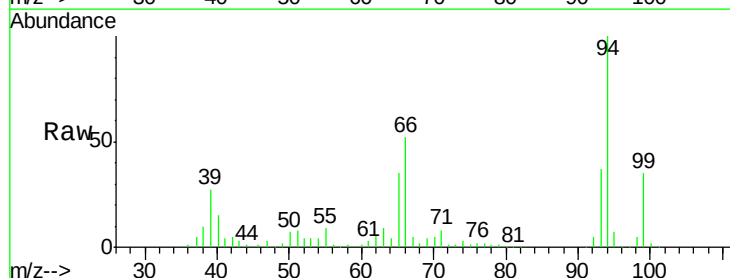
Tgt Ion: 94 Resp: 139428

Ion Ratio Lower Upper

94 100

65 34.9 18.8 58.8

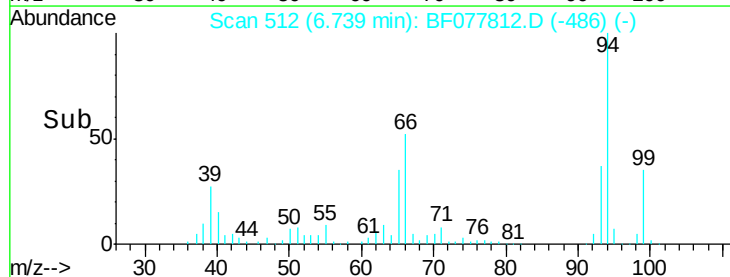
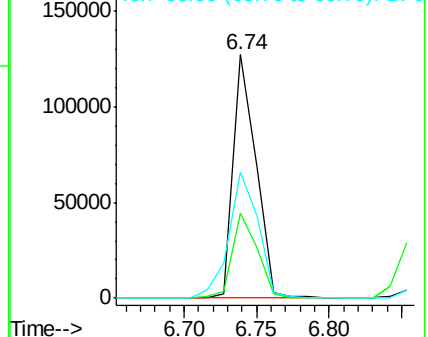
66 51.6 39.9 79.9

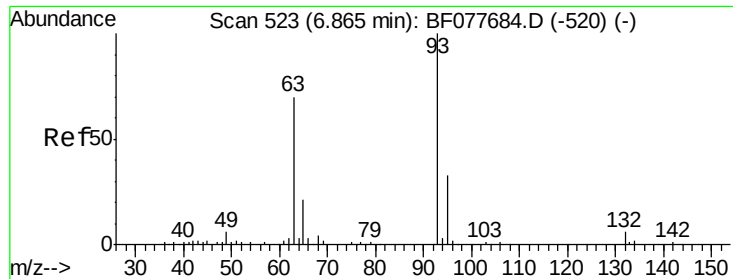


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

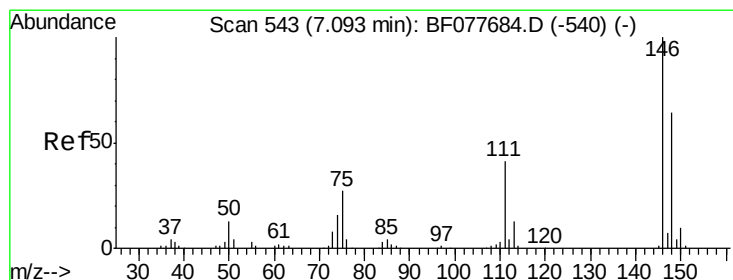
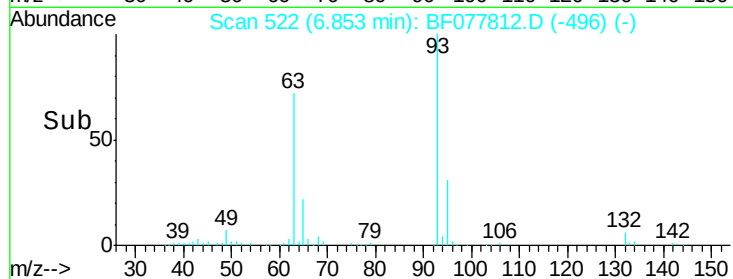
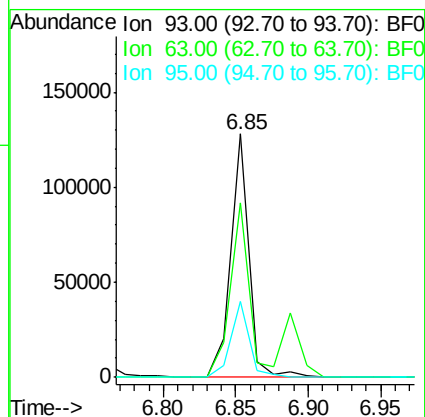
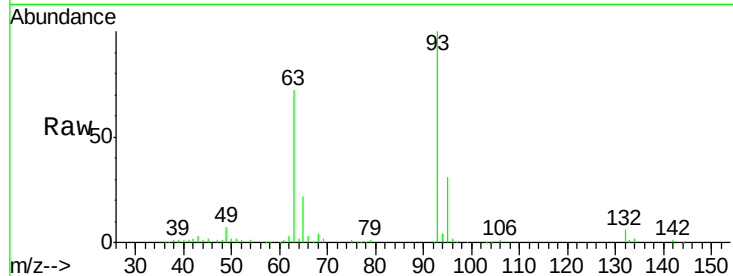




#11
bis(2-Chloroethyl)ether
Concen: 35.83 ng
RT: 6.85 min Scan# 522
Delta R.T. 0.00 min
Lab File: BF077812.D
Acq: 19 Mar 2015 00:56

Instrument :
BNA_F
ClientSampleId :
PB82103BS

Tgt Ion	Ratio	Lower	Upper
93	100		
63	71.5	49.5	89.5
95	31.1	13.5	53.5



#12
1,3-Dichlorobenzene
Concen: 32.83 ng
RT: 7.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF077812.D
Acq: 19 Mar 2015 00:56

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.9	76.3
75	27.9	21.4	32.2

