

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022715\
 Data File : BF077517.D
 Acq On : 27 Feb 2015 20:56
 Operator : TP/IZ
 Sample : G1388-03MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1121-20MS

Quant Time: Feb 27 22:42:17 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 27 22:28:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	96087	20.00	ng	0.00
21) Naphthalene-d8	8.83	136	387615	20.00	ng	0.00
38) Acenaphthene-d10	11.01	164	203818	20.00	ng	0.00
63) Phenanthrene-d10	12.85	188	406100	20.00	ng	0.00
75) Chrysene-d12	16.14	240	415406	20.00	ng	-0.01
86) Perylene-d12	17.83	264	404768	20.00	ng	-0.08

System Monitoring Compounds

5) 2-Fluorophenol	5.55	112	627459	109.02	ng	0.00
7) Phenol-d6	6.82	99	786947	106.34	ng	0.00
23) Nitrobenzene-d5	7.95	82	480016	77.01	ng	0.00
41) 2,4,6-Tribromophenol	11.99	330	230701	117.55	ng	0.00
44) 2-Fluorobiphenyl	10.18	172	1033286	79.05	ng	0.00
78) Terphenyl-d14	14.85	244	1246587	70.15	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.21	88	69543	28.47	ng	98
3) Pyridine	2.94	79	197254	28.23	ng	95
4) n-Nitrosodimethylamine	2.86	42	96537	31.78	ng	95
6) Aniline	6.85	93	137844	13.48	ng	# 33
8) 2-Chlorophenol	6.99	128	242731	35.75	ng	92
9) Benzaldehyde	6.70	77	58371	12.99	ng	94
10) Phenol	6.84	94	285563	32.52	ng	87
11) bis(2-Chloroethyl)ether	6.95	93	208576	33.06	ng	86
12) 1,3-Dichlorobenzene	7.18	146	255329	34.53	ng	# 92
13) 1,4-Dichlorobenzene	7.28	146	243743	32.41	ng	96
14) 1,2-Dichlorobenzene	7.46	146	242254	33.86	ng	95
15) Benzyl Alcohol	7.44	79	190116	33.80	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.62	45	324060	35.93	ng	97
17) 2-Methylphenol	7.58	107	193370	36.44	ng	98
18) Hexachloroethane	7.88	117	90510	36.03	ng	89
19) n-Nitroso-di-n-propylamine	7.77	70	174132	37.05	ng	90
20) 3+4-Methylphenols	7.78	107	249957	35.76	ng	# 77
22) Acetophenone	7.77	105	337843	37.05	ng	# 89
24) Nitrobenzene	7.97	77	242858	37.03	ng	88
25) Isophorone	8.27	82	445787	36.05	ng	94
26) 2-Nitrophenol	8.37	139	106172	39.50	ng	# 83
27) 2,4-Dimethylphenol	8.43	122	224871	37.39	ng	100
28) bis(2-Chloroethoxy)methane	8.55	93	291107	37.26	ng	99
29) 2,4-Dichlorophenol	8.66	162	206324	36.55	ng	90
30) 1,2,4-Trichlorobenzene	8.77	180	215965	34.80	ng	97
31) Naphthalene	8.86	128	708760	36.56	ng	99
32) Benzoic acid	8.51	122	65171	22.30	ng	97
33) 4-Chloroaniline	8.93	127	117884	13.68	ng	# 94
34) Hexachlorobutadiene	9.02	225	126604	35.73	ng	98
35) Caprolactam	9.36	113	63279	36.72	ng	# 83
36) 4-Chloro-3-methylphenol	9.54	107	214538	37.80	ng	95
37) 2-Methylnaphthalene	9.72	142	510678	37.10	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.93	216	225231	38.51	ng	99
40) Hexachlorocyclopentadiene	9.91	237	227786	72.64	ng	99

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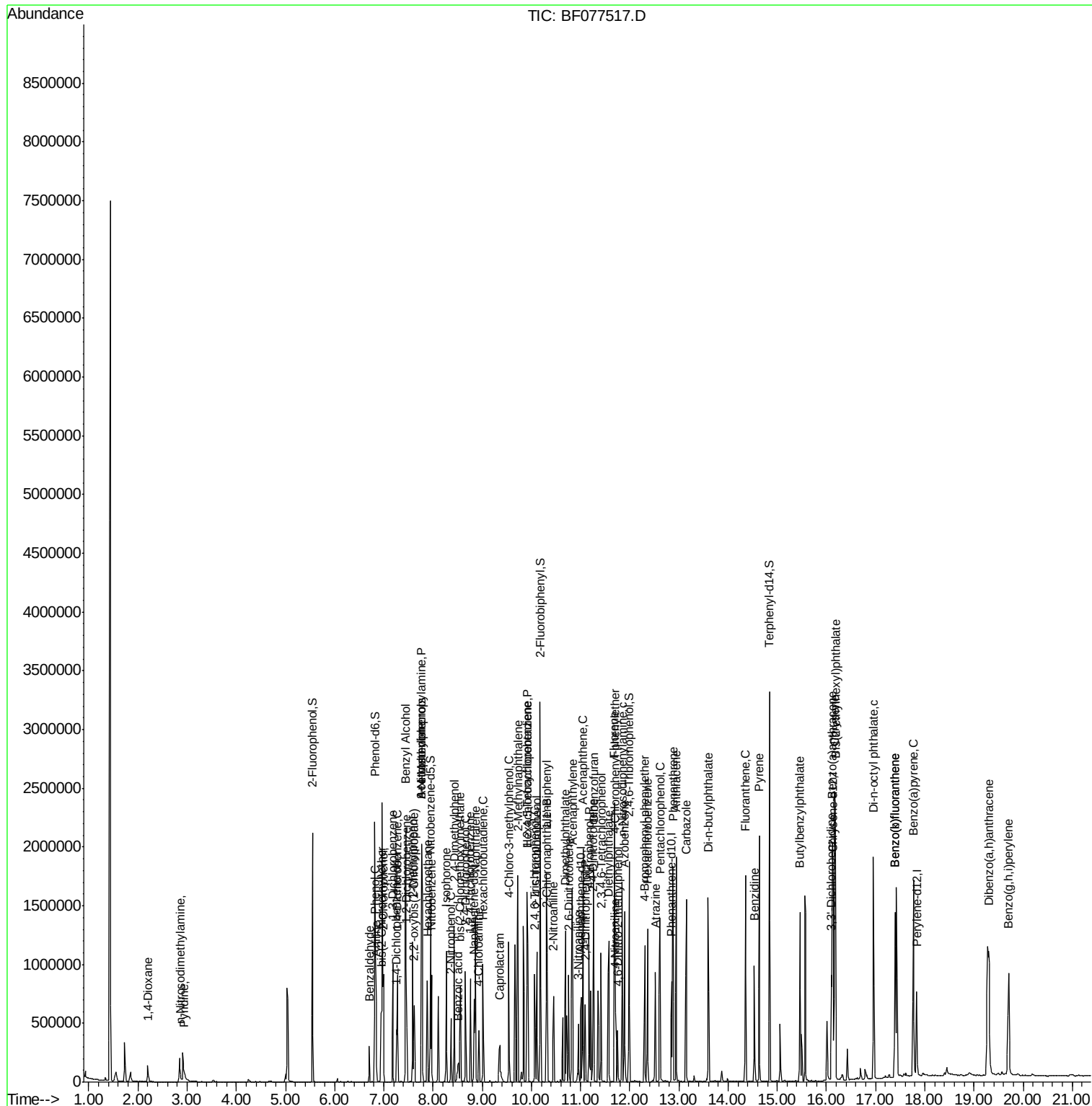
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	10.07	196	149403	38.58	ng	99
43) 2,4,5-Trichlorophenol	10.11	196	161128	38.91	ng	# 86
45) 1,1'-Biphenyl	10.30	154	602389	39.01	ng	99
46) 2-Chloronaphthalene	10.32	162	461113	38.08	ng	93
47) 2-Nitroaniline	10.45	65	131469	44.10	ng	# 65
48) Acenaphthylene	10.83	152	725841	37.86	ng	99
49) Dimethylphthalate	10.69	163	624789	43.61	ng	98
50) 2,6-Dinitrotoluene	10.76	165	120157	41.82	ng	# 71
51) Acenaphthene	11.05	154	432759	37.83	ng	99
52) 3-Nitroaniline	10.96	138	72841	21.99	ng	92
53) 2,4-Dinitrophenol	11.09	184	73935	84.57	ng	# 69
54) Dibenzofuran	11.26	168	679261	38.45	ng	100
55) 4-Nitrophenol	11.17	139	192817	72.37	ng	# 67
56) 2,4-Dinitrotoluene	11.26	165	155166	39.97	ng	# 74
57) Fluorene	11.69	166	547593	38.78	ng	99
58) 2,3,4,6-Tetrachlorophenol	11.42	232	136678	41.05	ng	97
59) Diethylphthalate	11.57	149	581669	41.18	ng	96
60) 4-Chlorophenyl-phenylether	11.70	204	261844	38.48	ng	96
61) 4-Nitroaniline	11.71	138	119337	37.59	ng	92
62) Azobenzene	11.89	77	551864	41.18	ng	98
64) 4,6-Dinitro-2-methylphenol	11.76	198	61349	38.64	ng	76
65) n-Nitrosodiphenylamine	11.85	169	487378	36.17	ng	98
66) 4-Bromophenyl-phenylether	12.30	248	164238	34.54	ng	97
67) Hexachlorobenzene	12.36	284	173768	34.04	ng	95
68) Atrazine	12.52	200	168839	38.54	ng	94
69) Pentachlorophenol	12.61	266	192339	71.70	ng	99
70) Phenanthrene	12.88	178	783432	33.28	ng	98
71) Anthracene	12.94	178	835959	35.79	ng	99
72) Carbazole	13.15	167	783847	35.29	ng	100
73) Di-n-butylphthalate	13.60	149	976084	37.43	ng	100
74) Fluoranthene	14.35	202	877927	34.15	ng	97
76) Benzidine	14.53	184	383057	27.29	ng	98
77) Pyrene	14.63	202	914420	35.99	ng	100
79) Butylbenzylphthalate	15.46	149	408575	39.08	ng	# 80
80) Benzo(a)anthracene	16.12	228	841184	34.55	ng	99
81) 3,3'-Dichlorobenzidine	16.10	252	199578	22.37	ng	# 96
82) Chrysene	16.17	228	792718	34.68	ng	100
83) Bis(2-ethylhexyl)phthalate	16.18	149	648141	38.66	ng	# 96
84) Di-n-octyl phthalate	16.96	149	1081996	38.66	ng	100
87) Benzo(b)fluoranthene	17.40	252	864779	36.74	ng	99
88) Benzo(k)fluoranthene	17.40	252	864779	37.49	ng	# 94
89) Benzo(a)pyrene	17.77	252	786022	35.06	ng	98
90) Dibenzo(a,h)anthracene	19.31	278	768021	35.92	ng	98
91) Benzo(g,h,i)perylene	19.70	276	759753	35.21	ng	99

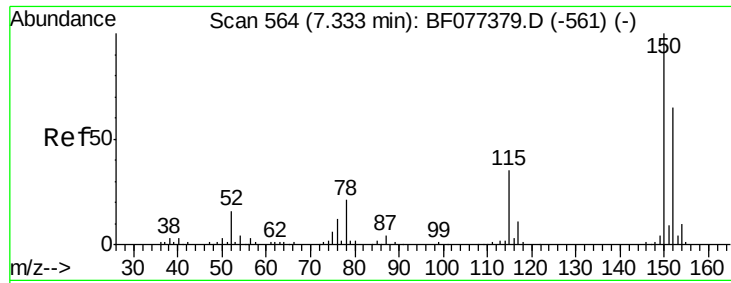
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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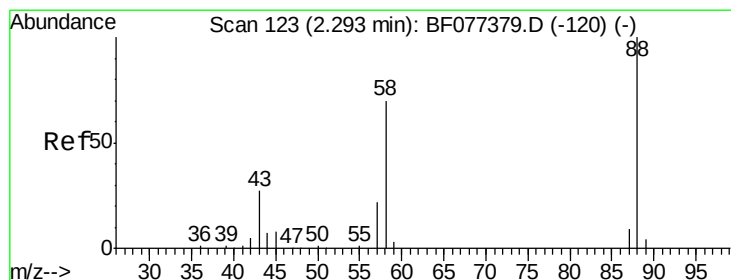
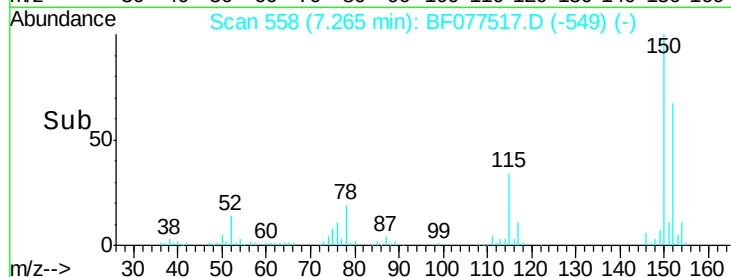
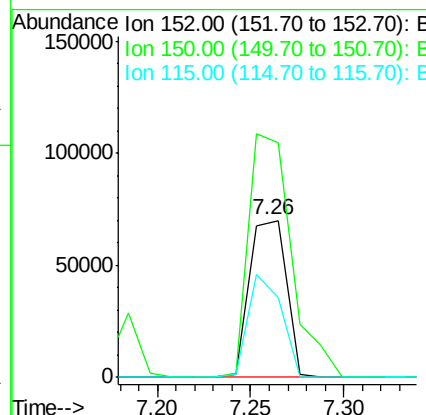
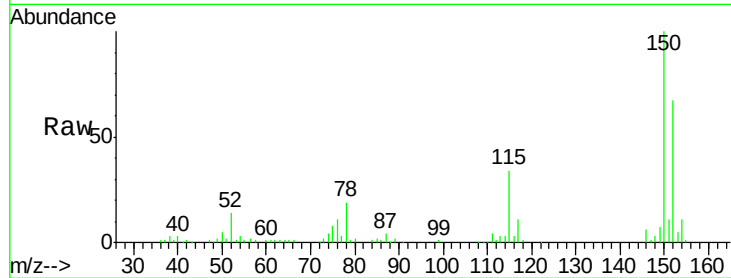




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.26 min Scan# 558
 Delta R.T. -0.00 min
 Lab File: BF077517.D
 Acq: 27 Feb 2015 20:56

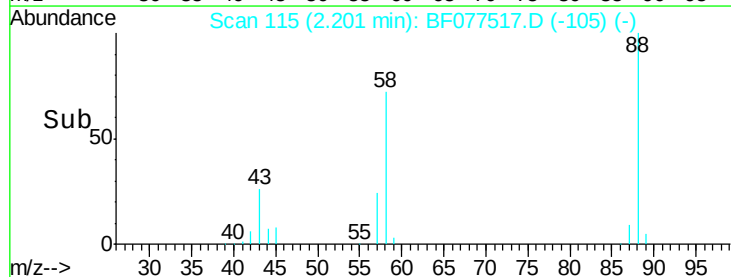
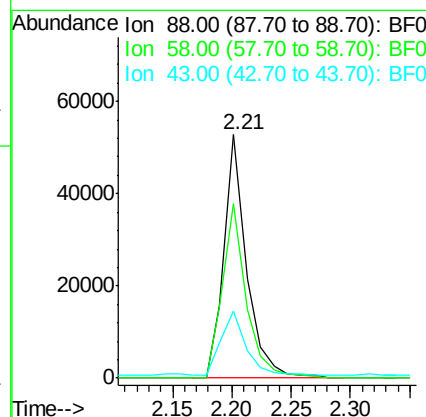
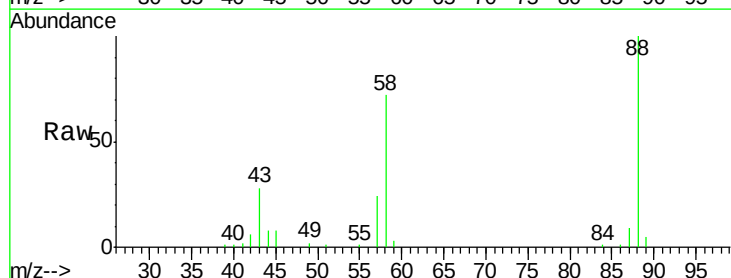
Instrument :
 BNA_F
 ClientSampleId :
 1121-20MS

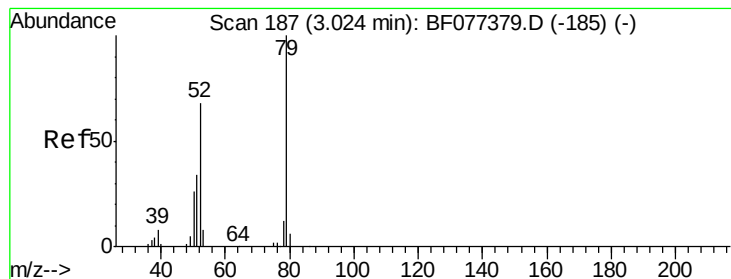
Tgt Ion: 152 Resp: 96087
 Ion Ratio Lower Upper
 152 100
 150 149.2 124.0 186.0
 115 50.8 49.4 74.2



#2
 1,4-Dioxane
 Concen: 28.47 ng
 RT: 2.21 min Scan# 115
 Delta R.T. 0.02 min
 Lab File: BF077517.D
 Acq: 27 Feb 2015 20:56

Tgt Ion: 88 Resp: 69543
 Ion Ratio Lower Upper
 88 100
 58 75.7 62.1 93.1
 43 29.9 24.0 36.0





#3

Pyridine

Concen: 28.23 ng

RT: 2.94 min Scan# 180

Delta R.T. 0.02 min

Lab File: BF077517.D

Acq: 27 Feb 2015 20:56

Instrument :

BNA_F

ClientSampleId :

1121-20MS

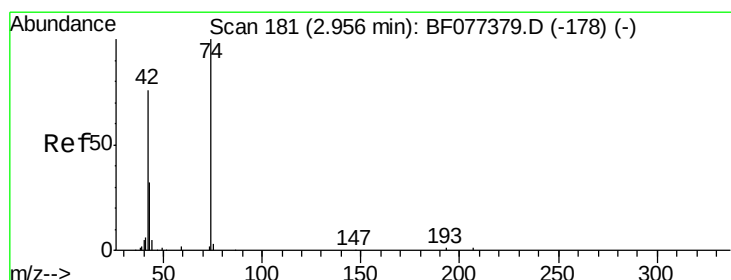
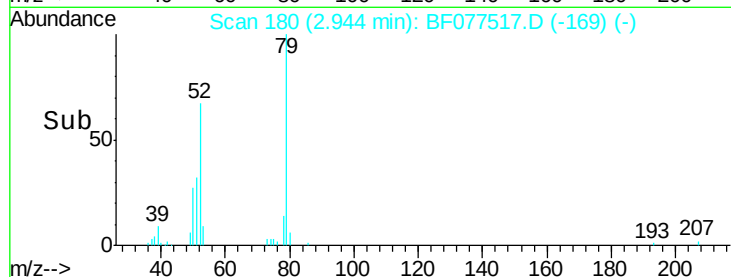
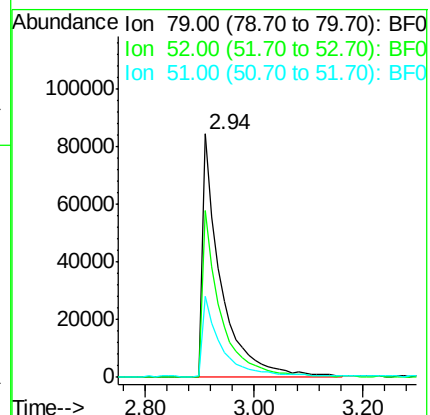
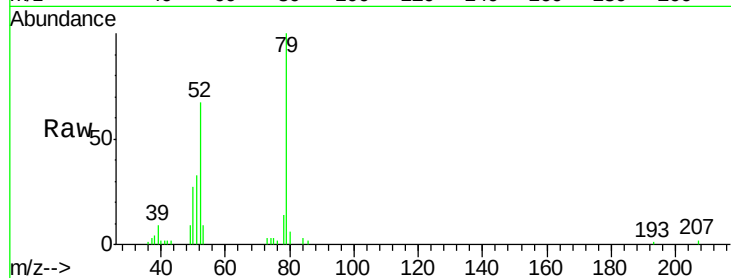
Tgt Ion: 79 Resp: 197254

Ion Ratio Lower Upper

79 100

52 67.2 57.7 86.5

51 33.2 28.5 42.7



#4

n-Nitrosodimethylamine

Concen: 31.78 ng

RT: 2.86 min Scan# 172

Delta R.T. 0.02 min

Lab File: BF077517.D

Acq: 27 Feb 2015 20:56

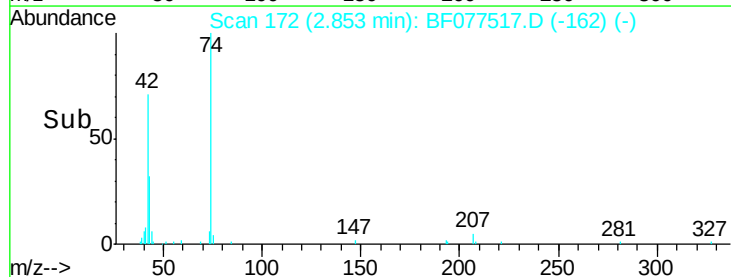
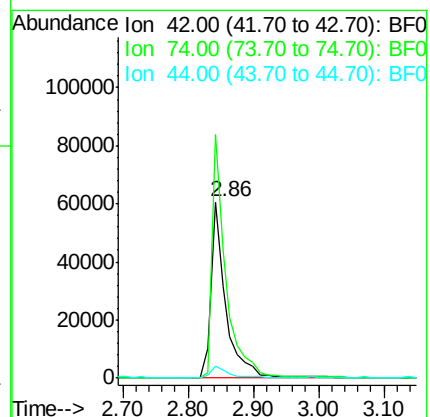
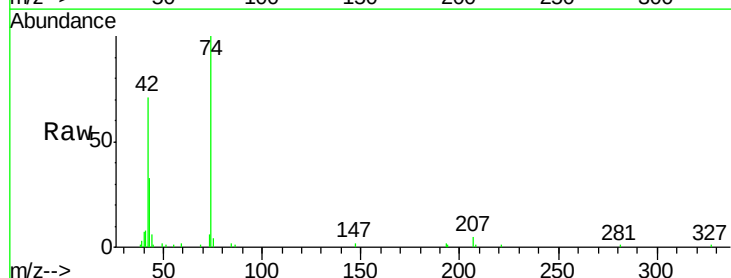
Tgt Ion: 42 Resp: 96537

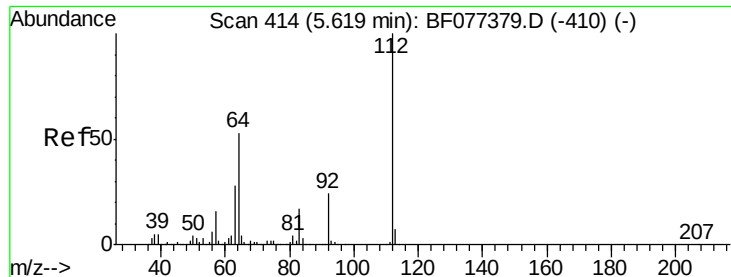
Ion Ratio Lower Upper

42 100

74 140.2 107.1 160.7

44 8.6 6.7 10.1





#5

2-Fluorophenol

Concen: 109.02 ng

RT: 5.55 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF077517.D

Acq: 27 Feb 2015 20:56

Instrument :

BNA_F

ClientSampleId :

1121-20MS

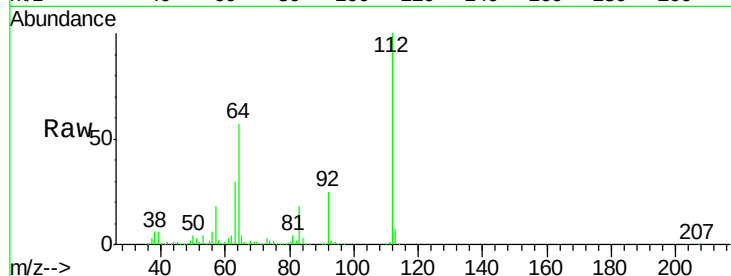
Tgt Ion: 112 Resp: 627459

Ion Ratio Lower Upper

112 100

64 56.6 48.5 72.7

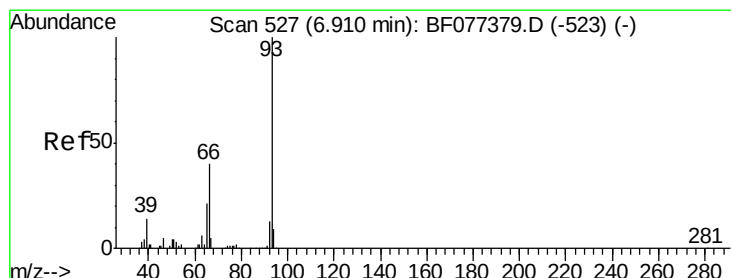
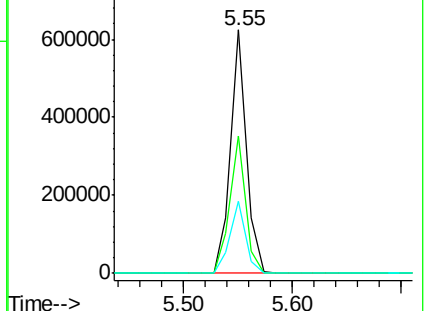
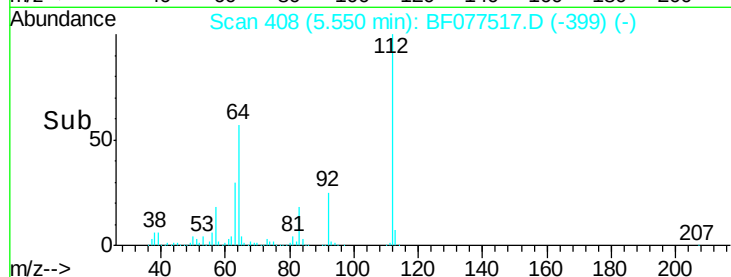
63 29.6 25.0 37.4



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



#6

Aniline

Concen: 13.48 ng

RT: 6.85 min Scan# 521

Delta R.T. 0.00 min

Lab File: BF077517.D

Acq: 27 Feb 2015 20:56

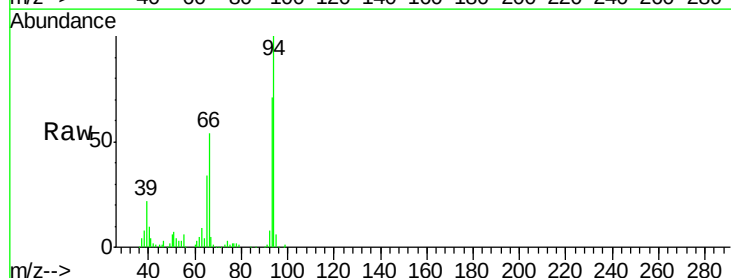
Tgt Ion: 93 Resp: 137844

Ion Ratio Lower Upper

93 100

66 76.1 29.1 43.7#

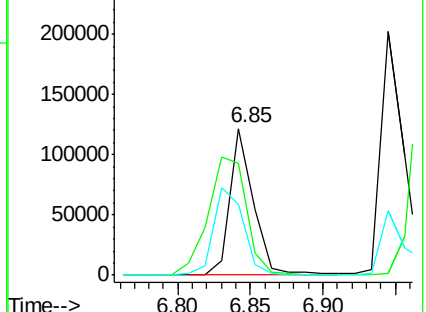
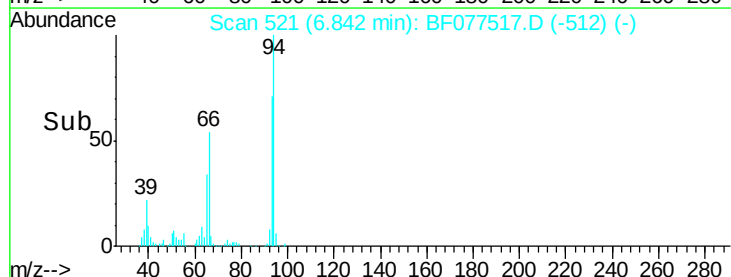
65 48.0 14.6 22.0#

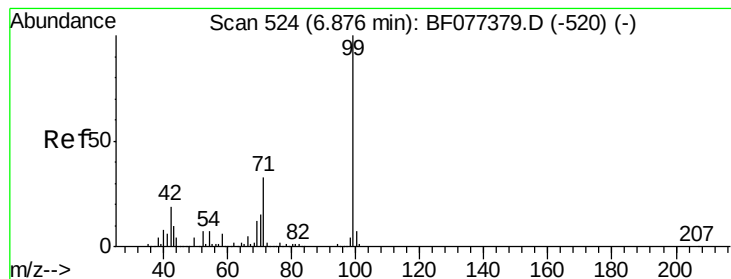


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 106.34 ng

RT: 6.82 min Scan# 519

Delta R.T. 0.00 min

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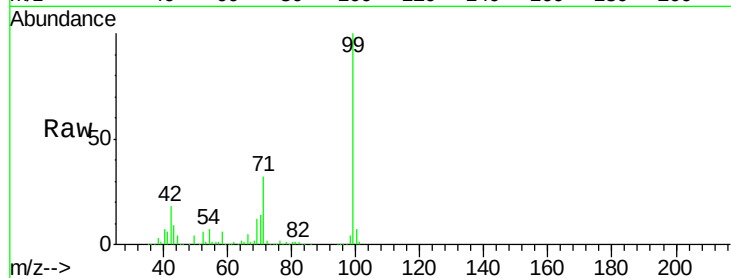
Tgt Ion: 99 Resp: 786947

Ion Ratio Lower Upper

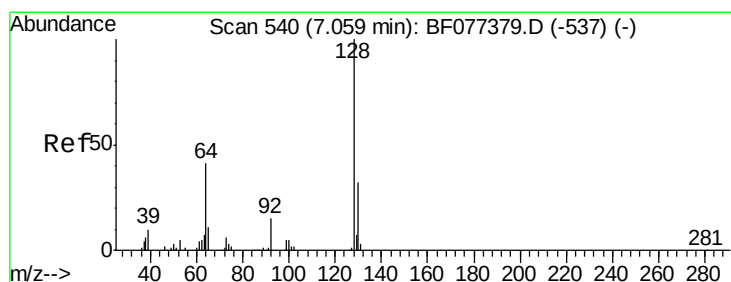
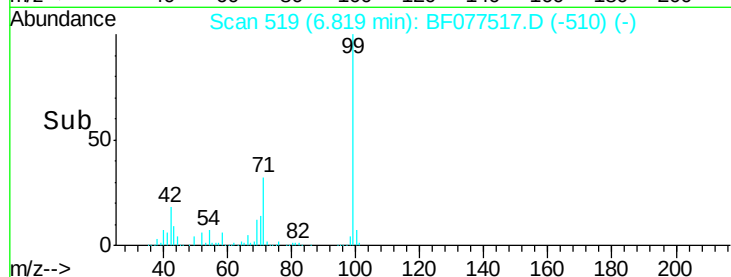
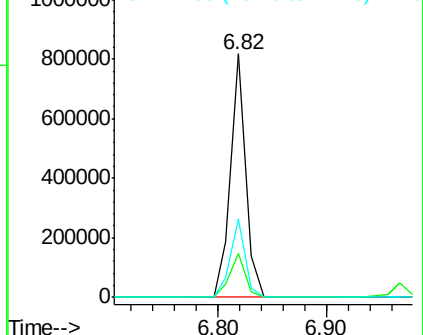
99 100

42 18.1 16.2 24.4

71 32.2 26.7 40.1



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: 35.75 ng

RT: 6.99 min Scan# 534

Delta R.T. 0.00 min

Lab File: BF077517.D

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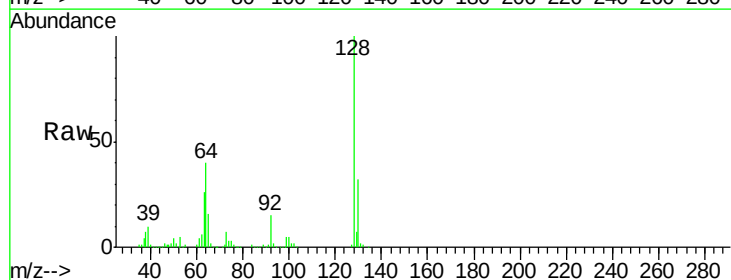
Tgt Ion: 128 Resp: 242731

Ion Ratio Lower Upper

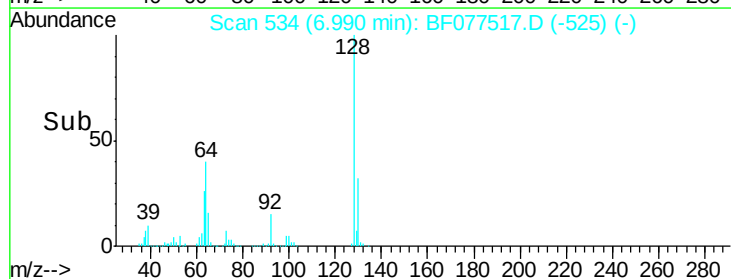
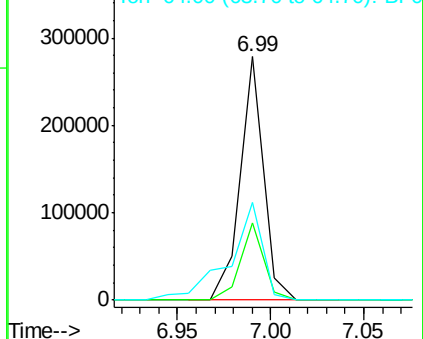
128 100

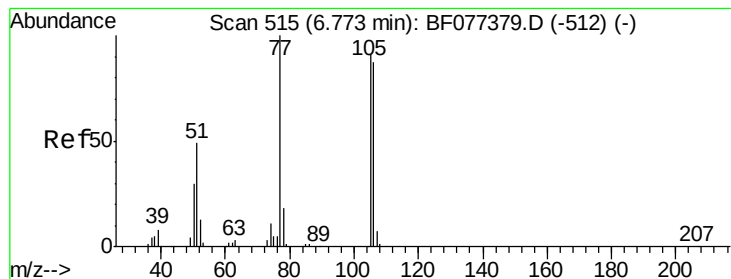
130 32.0 12.0 52.0

64 40.2 29.2 69.2



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: 12.99 ng

RT: 6.70 min Scan# 509

Delta R.T. -0.00 min

Lab File: BF077517.D

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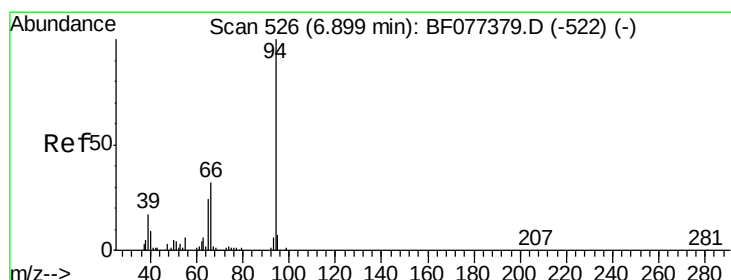
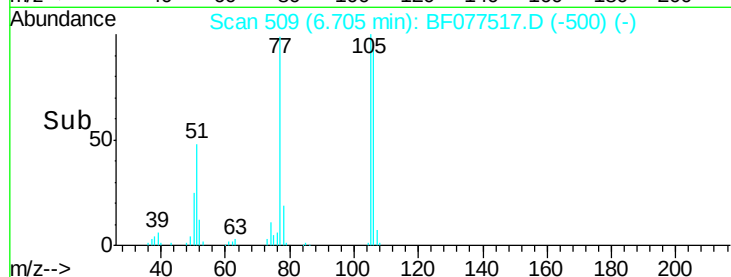
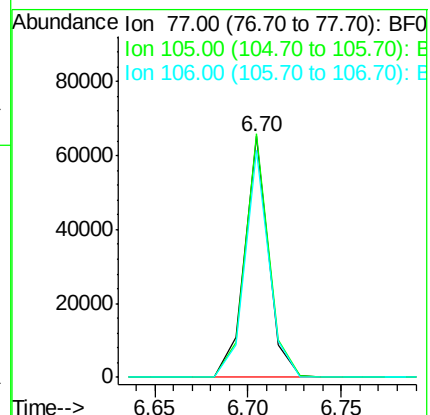
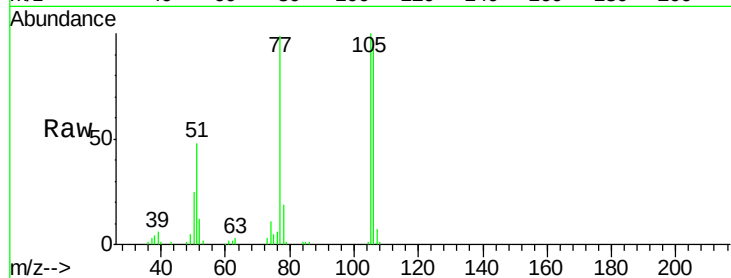
Tgt Ion: 77 Resp: 58371

Ion Ratio Lower Upper

77 100

105 101.1 85.9 125.9

106 94.5 82.9 122.9



#10

Phenol

Concen: 32.52 ng

RT: 6.84 min Scan# 520

Delta R.T. 0.00 min

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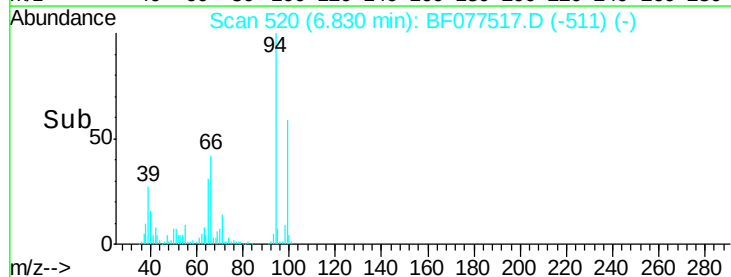
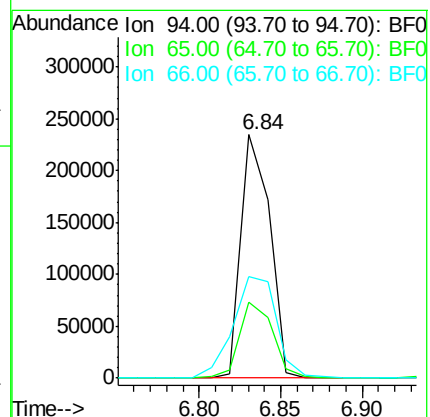
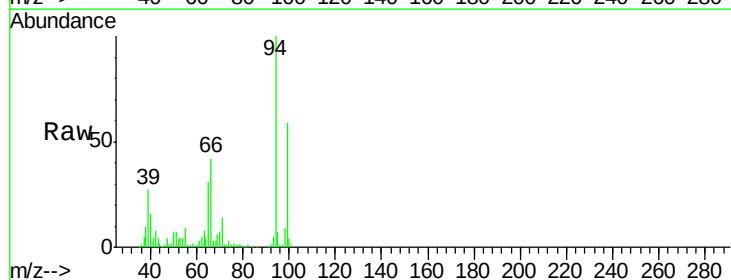
Tgt Ion: 94 Resp: 285563

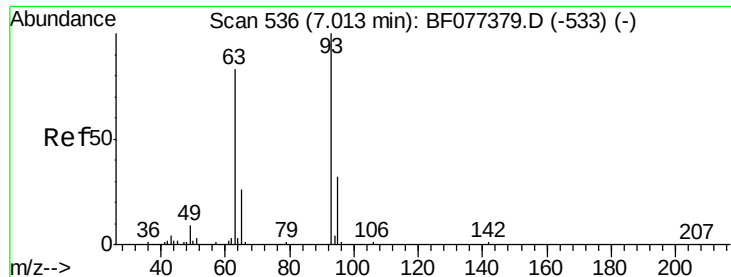
Ion Ratio Lower Upper

94 100

65 31.2 5.7 45.7

66 41.9 13.6 53.6





#11

bis(2-Chloroethyl)ether

Concen: 33.06 ng

RT: 6.95 min Scan# 530

Delta R.T. 0.00 min

Lab File: BF077517.D

Acq: 27 Feb 2015 20:56

Instrument :

BNA_F

ClientSampleId :

1121-20MS

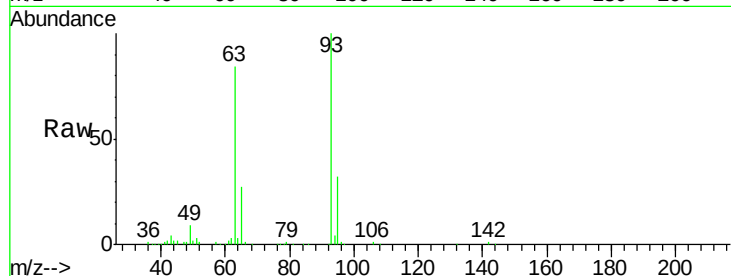
Tgt Ion: 93 Resp: 208576

Ion Ratio Lower Upper

93 100

63 84.2 48.7 88.7

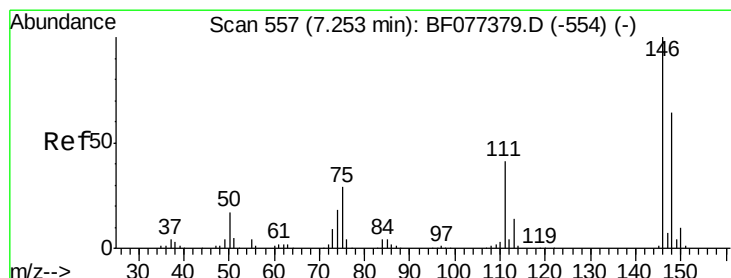
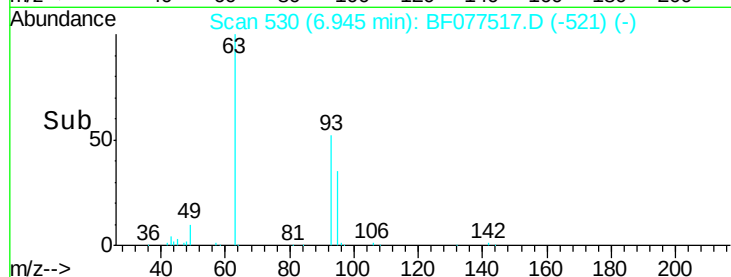
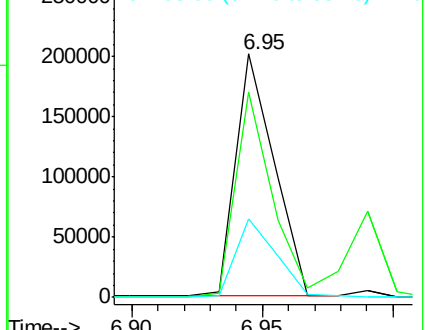
95 32.4 13.6 53.6



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: 34.53 ng

RT: 7.18 min Scan# 551

Delta R.T. -0.00 min

Lab File: BF077517.D

Acq: 27 Feb 2015 20:56

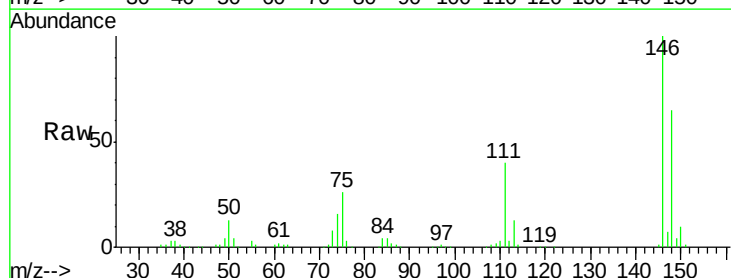
Tgt Ion: 146 Resp: 255329

Ion Ratio Lower Upper

146 100

148 64.7 49.8 74.8

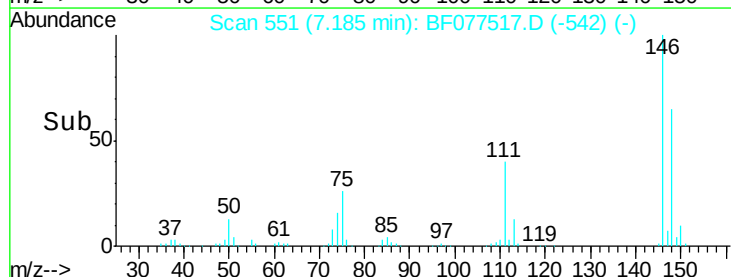
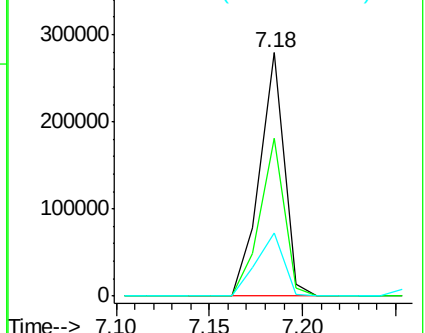
75 25.7 28.2 42.4#

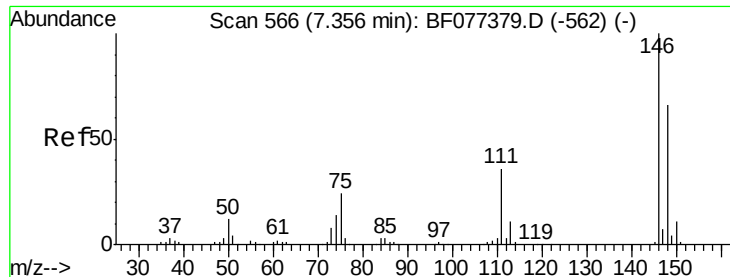


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

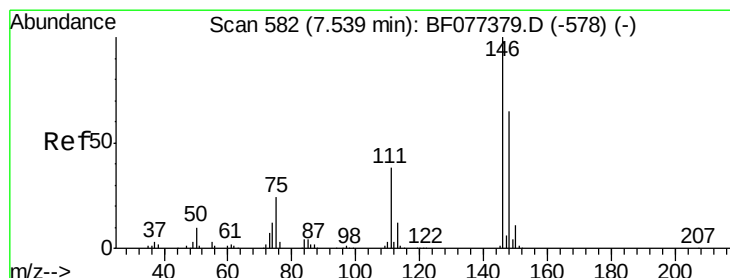
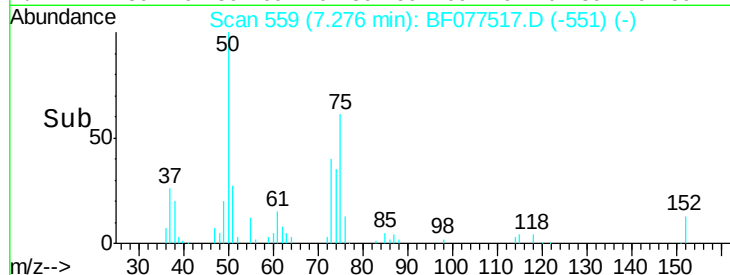
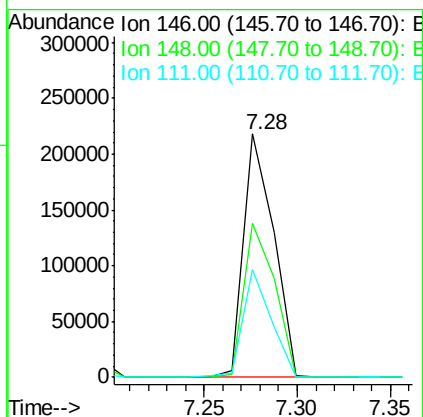
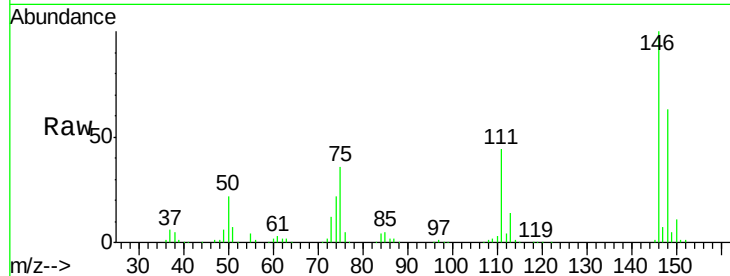




#13
 1,4-Dichlorobenzene
 Concen: 32.41 ng
 RT: 7.28 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: BF077517.D
 Acq: 27 Feb 2015 20:56

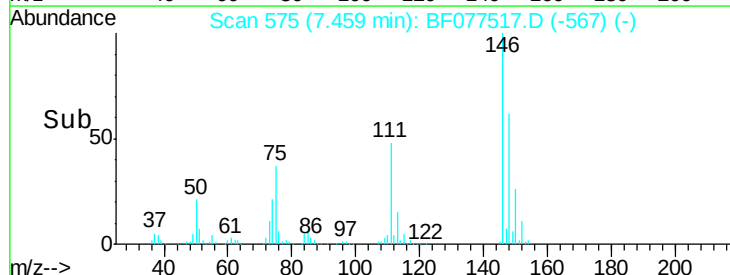
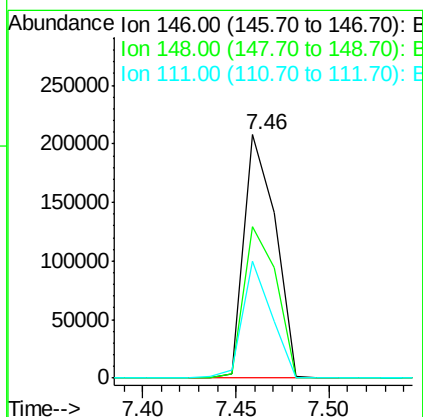
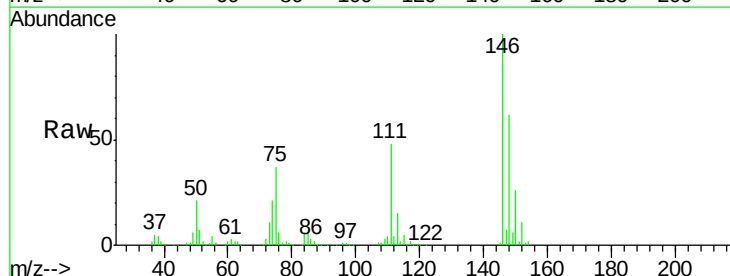
Instrument :
 BNA_F
 ClientSampleId :
 1121-20MS

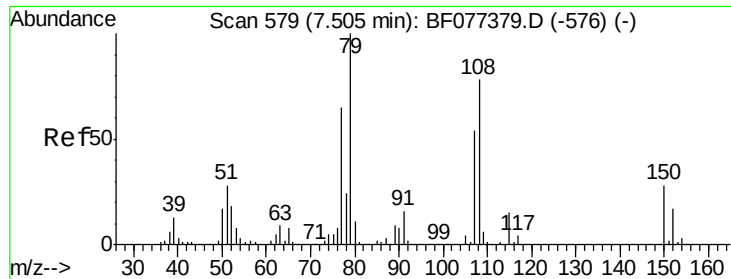
Tgt Ion:146 Resp: 243743
 Ion Ratio Lower Upper
 146 100
 148 63.0 52.0 78.0
 111 44.5 31.9 47.9



#14
 1,2-Dichlorobenzene
 Concen: 33.86 ng
 RT: 7.46 min Scan# 575
 Delta R.T. -0.00 min
 Lab File: BF077517.D
 Acq: 27 Feb 2015 20:56

Tgt Ion:146 Resp: 242254
 Ion Ratio Lower Upper
 146 100
 148 62.3 51.6 77.4
 111 48.0 34.2 51.2

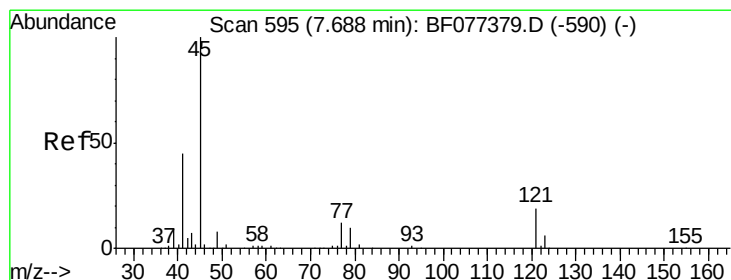
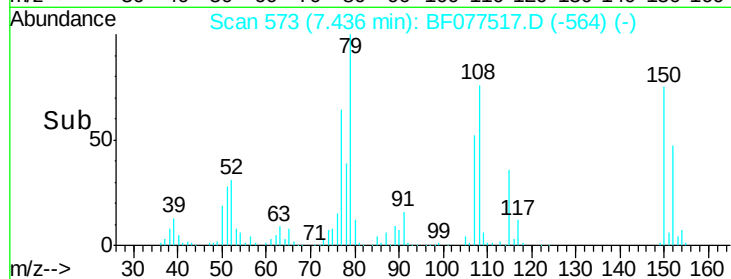
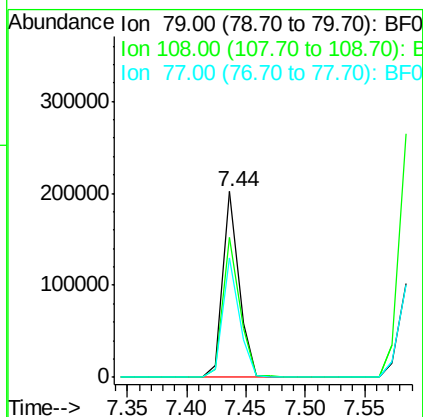
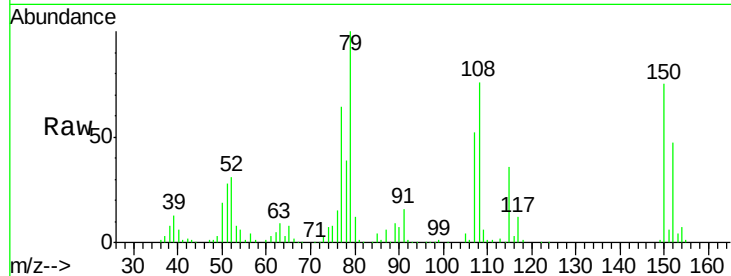




#15
Benzyl Alcohol
Concen: 33.80 ng
RT: 7.44 min Scan# 573
Delta R.T. 0.00 min
Lab File: BF077517.D
Acq: 27 Feb 2015 20:56

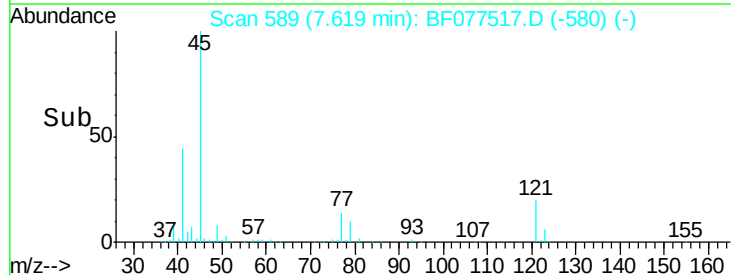
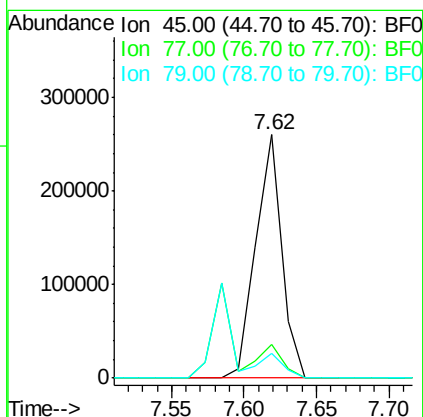
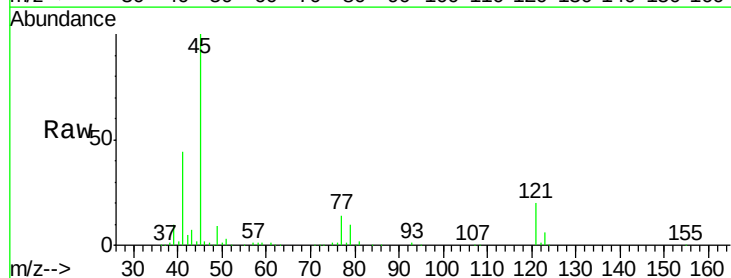
Instrument :
BNA_F
ClientSampleId :
1121-20MS

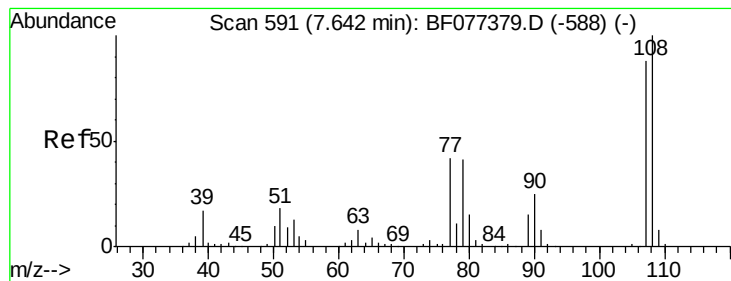
Tgt Ion: 79 Resp: 190116
Ion Ratio Lower Upper
79 100
108 75.6 58.3 87.5
77 64.1 51.3 76.9



#16
2,2'-oxybis(1-chloropropane)
Concen: 35.93 ng
RT: 7.62 min Scan# 589
Delta R.T. -0.00 min
Lab File: BF077517.D
Acq: 27 Feb 2015 20:56

Tgt Ion: 45 Resp: 324060
Ion Ratio Lower Upper
45 100
77 13.7 0.0 34.6
79 10.3 0.0 31.5

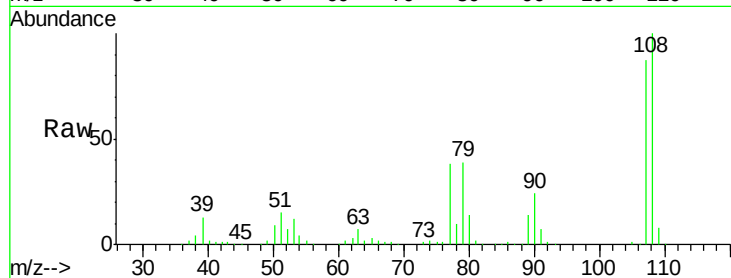




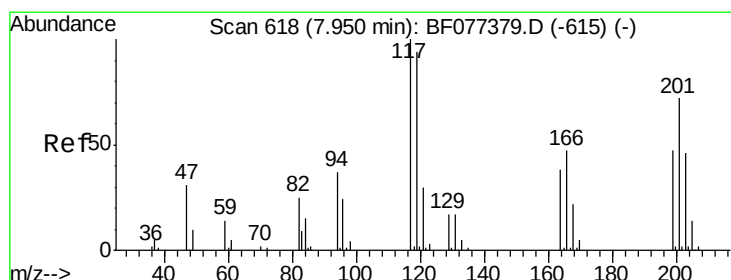
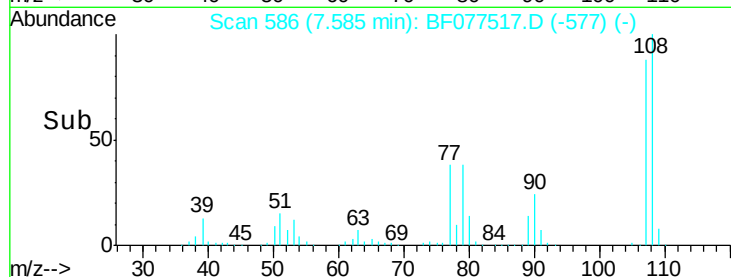
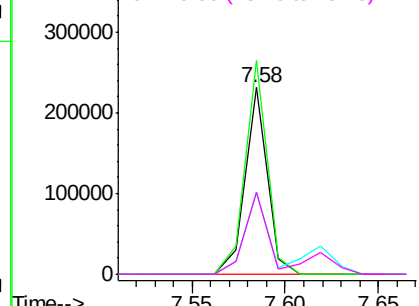
#17
2-Methylphenol
Concen: 36.44 ng
RT: 7.58 min Scan# 586
Delta R.T. -0.00 min
Lab File: BF077517.D
Acq: 27 Feb 2015 20:56

Instrument :
BNA_F
ClientSampleId :
1121-20MS

Tgt Ion:	107	Resp:	193370
Ion	Ratio	Lower	Upper
107	100		
108	114.4	91.2	136.8
77	43.7	33.6	50.4
79	44.1	32.1	48.1

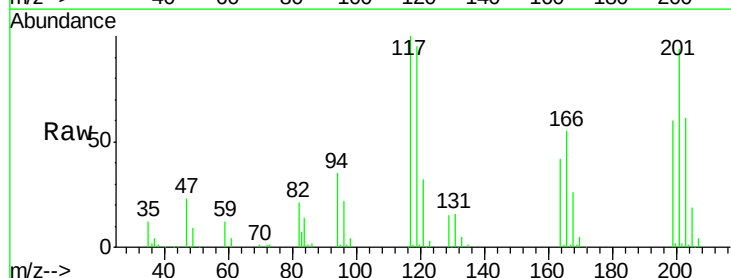


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

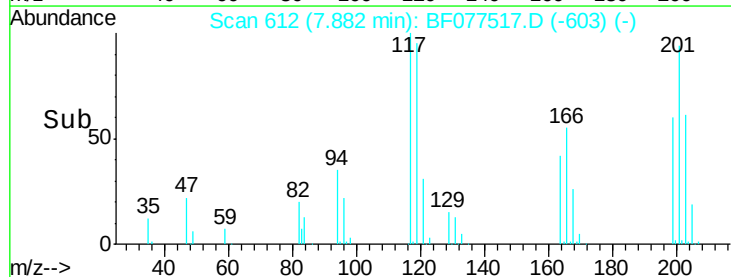
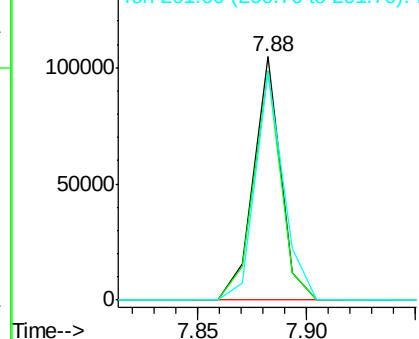


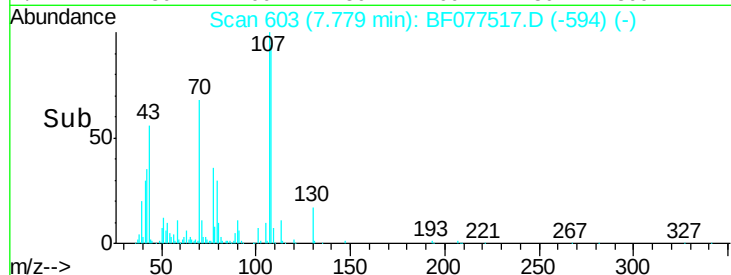
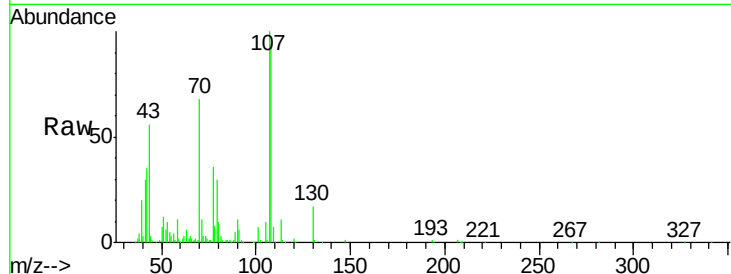
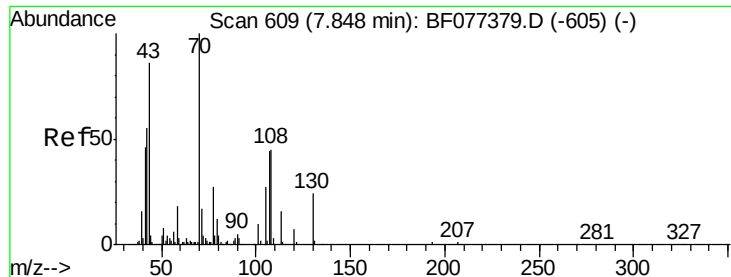
#18
Hexachloroethane
Concen: 36.03 ng
RT: 7.88 min Scan# 612
Delta R.T. -0.00 min
Lab File: BF077517.D
Acq: 27 Feb 2015 20:56

Tgt Ion:	117	Resp:	90510
Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.8	116.8
201	94.0	90.6	136.0



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

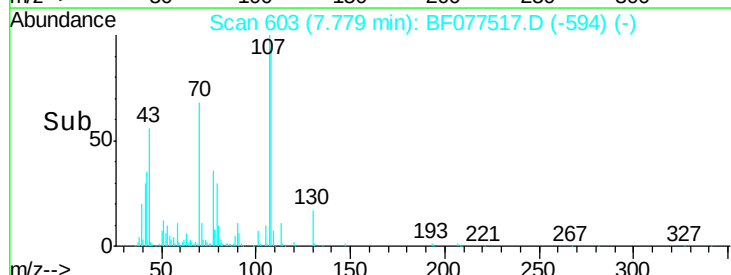
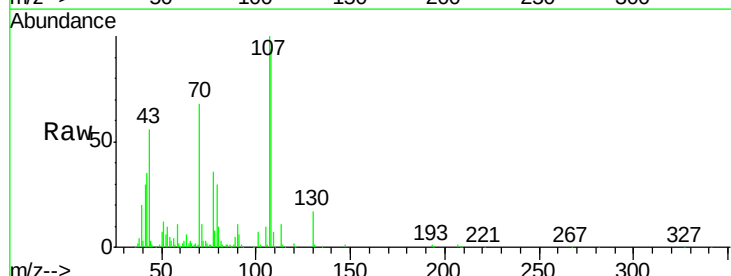
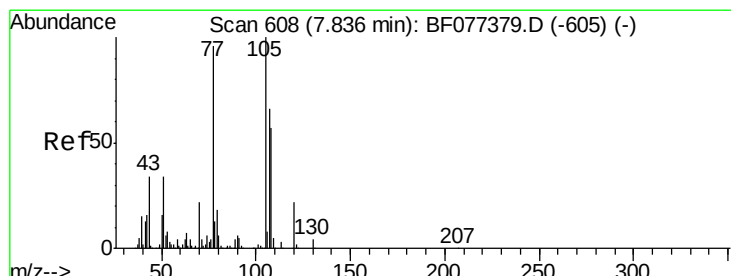
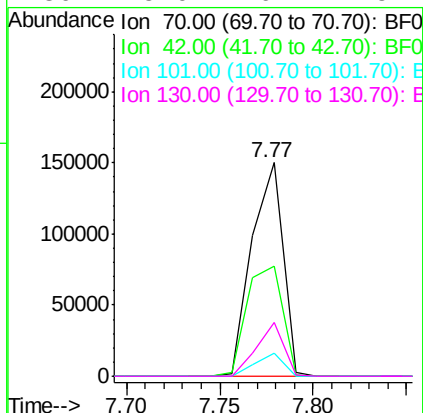




#19
n-Nitroso-di-n-propylamine
Concen: 37.05 ng
RT: 7.77 min Scan# 603
Delta R.T. 0.00 min
Lab File: BF077517.D
Acq: 27 Feb 2015 20:56

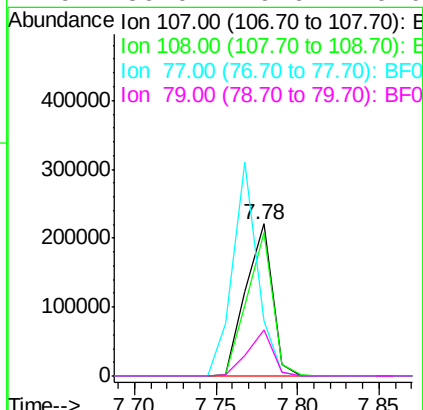
Instrument :
BNA_F
ClientSampleId :
1121-20MS

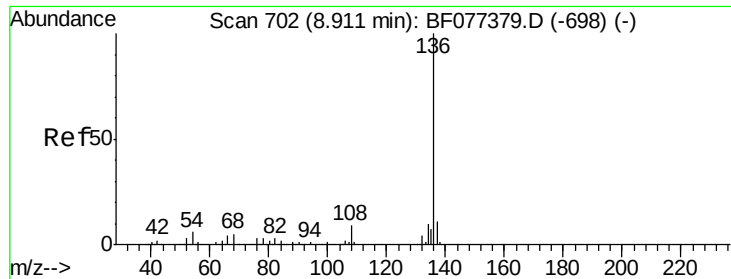
Tgt Ion:	70	Resp:	174132
Ion	Ratio	Lower	Upper
70	100		
42	51.5	48.3	72.5
101	10.7	7.5	11.3
130	25.0	16.7	25.1



#20
3+4-Methylphenols
Concen: 35.76 ng
RT: 7.78 min Scan# 603
Delta R.T. -0.00 min
Lab File: BF077517.D
Acq: 27 Feb 2015 20:56

Tgt Ion:	107	Resp:	249957
Ion	Ratio	Lower	Upper
107	100		
108	94.5	76.8	116.8
77	36.5	65.8	105.8#
79	30.0	9.6	49.6





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.83 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF077517.D

Acq: 27 Feb 2015 20:56

Instrument :

BNA_F

ClientSampleId :

1121-20MS

Tgt Ion:136 Resp: 387615

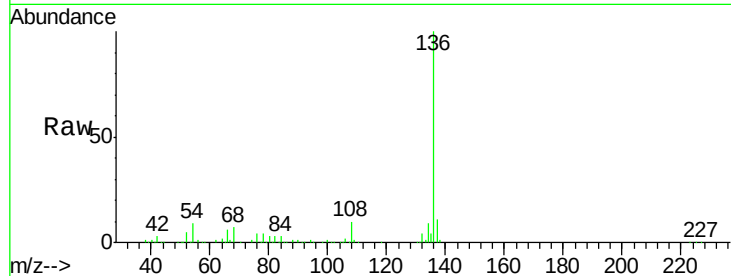
Ion Ratio Lower Upper

136 100

137 11.2 8.6 13.0

54 9.4 6.2 9.4#

68 6.9 5.0 7.6



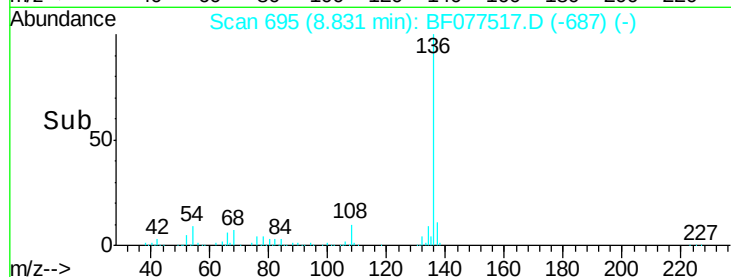
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

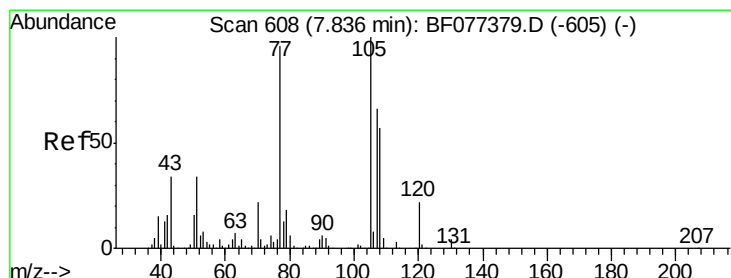
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

Time-->



Time-->



#22

Acetophenone

Concen: 37.05 ng

RT: 7.77 min Scan# 602

Delta R.T. -0.00 min

Lab File: BF077517.D

Acq: 27 Feb 2015 20:56

Tgt Ion:105 Resp: 337843

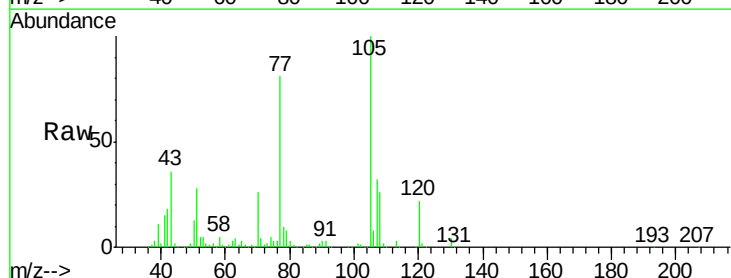
Ion Ratio Lower Upper

105 100

71 4.3 1.7 2.5#

51 28.3 30.7 46.1#

120 21.7 16.7 25.1



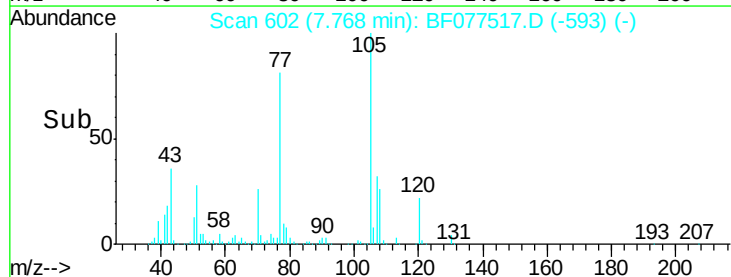
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->



Time-->