

Data Path : Z:\HPCHEM1\BNA_F\Data\BF060315\
 Data File : BF079680.D
 Acq On : 4 Jun 2015 1:36
 Operator : TP/IZ
 Sample : G2408-19MS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-17DMS

Quant Time: Jun 04 04:24:09 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 15:20:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	85821	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	321758	20.00	ng	0.00
38) Acenaphthene-d10	10.59	164	166750	20.00	ng	0.00
63) Phenanthrene-d10	12.10	188	324555	20.00	ng	-0.03
75) Chrysene-d12	15.29	240	1464	20.00	ng	-0.09
86) Perylene-d12	17.38	264	1388	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	528870	111.68	ng	0.00
7) Phenol-d6	7.11	99	668687	108.10	ng	0.00
23) Nitrobenzene-d5	8.08	82	356211	66.29	ng	0.00
41) 2,4,6-Tribromophenol	11.38	330	151108	109.80	ng	-0.01
44) 2-Fluorobiphenyl	9.88	172	813312	72.91	ng	0.00
78) Terphenyl-d14	13.75	244	992463	18209.61	ng	-0.21
Target Compounds						Qvalue
2) 1,4-Dioxane	3.61	88	63017	28.79	ng	99
3) Pyridine	4.32	79	198872	31.61	ng	98
4) n-Nitrosodimethylamine	4.24	42	89649	31.96	ng	99
6) Aniline	7.18	93	179214	20.09	ng	97
8) 2-Chlorophenol	7.30	128	200881	36.51	ng	99
9) Benzaldehyde	7.06	77	17289	4.80	ng	99
10) Phenol	7.12	94	225193	33.79	ng	92
11) bis(2-Chloroethyl)ether	7.23	93	206328	38.83	ng	97
12) 1,3-Dichlorobenzene	7.46	146	215067	34.19	ng	99
13) 1,4-Dichlorobenzene	7.54	146	222022	34.51	ng	99
14) 1,2-Dichlorobenzene	7.54	146	222022	38.12	ng	99
15) Benzyl Alcohol	7.63	79	160236	35.36	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.78	45	319638	36.08	ng	99
17) 2-Methylphenol	7.74	107	155869	34.31	ng	99
18) Hexachloroethane	8.04	117	70839	33.64	ng	97
19) n-Nitroso-di-n-propylamine	7.91	70	156455	36.78	ng	99
20) 3+4-Methylphenols	7.88	107	215492	35.82	ng	99
22) Acetophenone	7.92	105	283656	37.67	ng	98
24) Nitrobenzene	8.09	77	188500	34.96	ng	99
25) Isophorone	8.33	82	408782	37.28	ng	100
26) 2-Nitrophenol	8.41	139	58679	32.95	ng	96
27) 2,4-Dimethylphenol	8.43	122	187216	37.30	ng	98
28) bis(2-Chloroethoxy)methane	8.52	93	228623	36.29	ng	99
29) 2,4-Dichlorophenol	8.65	162	168256	37.59	ng	99
30) 1,2,4-Trichlorobenzene	8.75	180	191184	37.90	ng	98
31) Naphthalene	8.83	128	597838	35.54	ng	100
32) Benzoic acid	8.43	122	187216	92.76	ng	# 7
33) 4-Chloroaniline	8.87	127	218390	23.88	ng	98
34) Hexachlorobutadiene	8.95	225	101765	35.99	ng	97
35) Caprolactam	9.20	113	48205	39.12	ng	# 79
36) 4-Chloro-3-methylphenol	9.32	107	164620	36.03	ng	98
37) 2-Methylnaphthalene	9.53	142	416063	37.08	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.70	216	197348	36.88	ng	98
40) Hexachlorocyclopentadiene	9.69	237	108224	42.42	ng	98

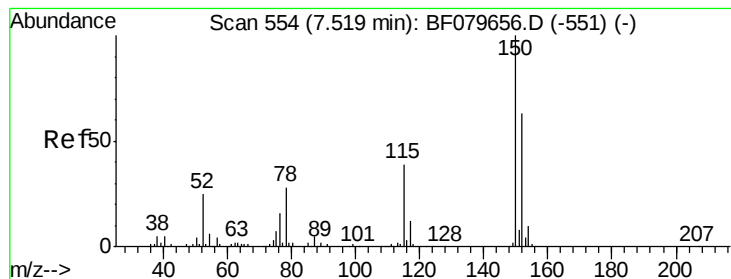
Data Path : Z:\HPCHEM1\BNA_F\Data\BF060315\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.80	196	116874	40.16	ng	98
43) 2,4,5-Trichlorophenol	9.84	196	128124	39.74	ng	96
45) 1,1'-Biphenyl	10.00	154	477285	37.12	ng	99
46) 2-Chloronaphthalene	10.02	162	367404	36.47	ng	# 89
47) 2-Nitroaniline	10.10	65	74022	35.68	ng	96
48) Acenaphthylene	10.46	152	606050	36.29	ng	99
49) Dimethylphthalate	10.27	163	545924	44.68	ng	100
50) 2,6-Dinitrotoluene	10.34	165	75735	39.02	ng	91
51) Acenaphthene	10.63	154	385134	38.05	ng	99
52) 3-Nitroaniline	10.51	138	73428	30.67	ng	94
53) 2,4-Dinitrophenol	10.62	184	15867	28.75	ng	# 1
54) Dibenzofuran	10.80	168	556710	37.90	ng	98
55) 4-Nitrophenol	10.65	139	145738	75.47	ng	# 80
56) 2,4-Dinitrotoluene	10.75	165	89552	38.93	ng	95
57) Fluorene	11.14	166	451856	37.64	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.91	232	94398	42.25	ng	99
59) Diethylphthalate	10.98	149	469653	40.03	ng	97
60) 4-Chlorophenyl-phenylether	11.13	204	202457	37.37	ng	# 90
61) 4-Nitroaniline	11.13	138	81120	34.35	ng	92
62) Azobenzene	11.29	77	407058	37.11	ng	85
64) 4,6-Dinitro-2-methylphenol	11.16	198	17096	23.11	ng	81
65) n-Nitrosodiphenylamine	11.23	169	373204	36.62	ng	99
66) 4-Bromophenyl-phenylether	11.62	248	134518	41.30	ng	# 88
67) Hexachlorobenzene	11.71	284	136420	35.65	ng	# 88
68) Atrazine	11.75	200	113731	43.57	ng	92
69) Pentachlorophenol	11.90	266	124675	88.94	ng	98
70) Phenanthrene	12.12	178	807552	45.00	ng	99
71) Anthracene	12.17	178	695286	38.51	ng	99
72) Carbazole	12.32	167	614054	37.04	ng	99
73) Di-n-butylphthalate	14.26	149	319277	46.27	ng	96
74) Fluoranthene	13.36	202	859754	44.44	ng	99
76) Benzidine	13.47	184	389303	11689.34	ng	99
77) Pyrene	13.61	202	866960	10284.95	ng	100
79) Butylbenzylphthalate	14.26	149	321931	1505.88	ng	89
80) Benzo(a)anthracene	15.01	228	667979	8343.37	ng	97
81) 3,3'-Dichlorobenzidine	15.13	252	669	27.97	ng	# 60
82) Chrysene	15.42	228	691	8.58	ng	# 1
83) Bis(2-ethylhexyl)phthalate	15.29	149	1081	24.21	ng	# 53
84) Di-n-octyl phthalate	16.16	149	1372	22.46	ng	# 53
85) Indeno(1,2,3-cd)pyrene	19.52	276	660704	8387.68	ng	94
87) Benzo(b)fluoranthene	16.81	252	724702	10103.76	ng	99
88) Benzo(k)fluoranthene	16.81	252	724501	8621.41	ng	# 97
89) Benzo(a)pyrene	17.30	252	1165	16.61	ng	# 1
90) Dibenzo(a,h)anthracene	19.52	278	20411	310.60	ng	# 67
91) Benzo(g,h,i)perylene	20.10	276	2287	32.81	ng	# 13

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.52 min Scan# 554

Delta R.T. -0.00 min

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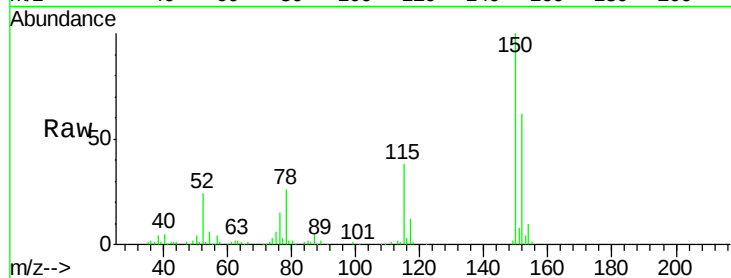
Tgt Ion:152 Resp: 85821

Ion Ratio Lower Upper

152 100

150 161.0 126.7 190.1

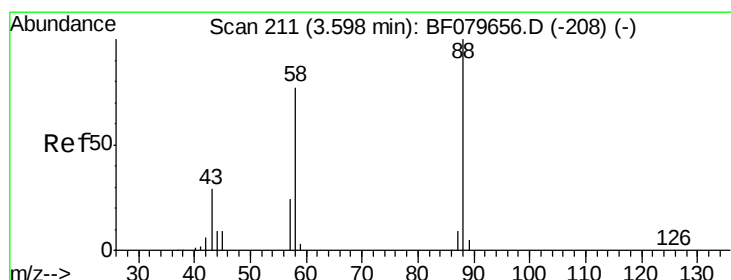
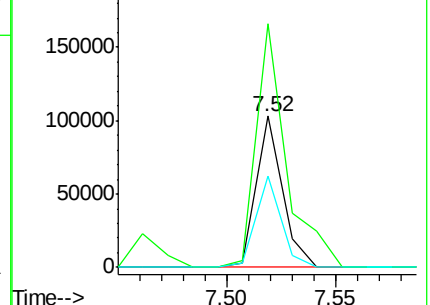
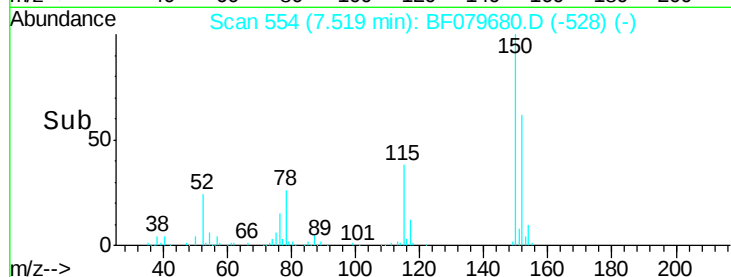
115 60.6 49.2 73.8



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: 28.79 ng

RT: 3.61 min Scan# 212

Delta R.T. 0.01 min

Lab File: BF079680.D

Acq: 4 Jun 2015 1:36

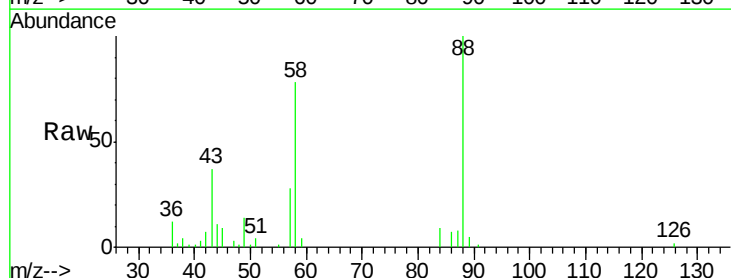
Tgt Ion: 88 Resp: 63017

Ion Ratio Lower Upper

88 100

58 79.6 64.2 96.2

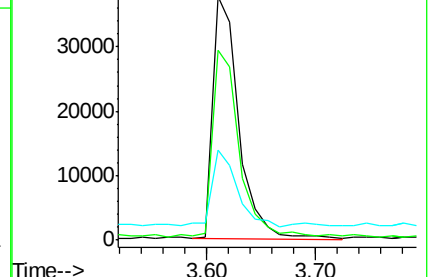
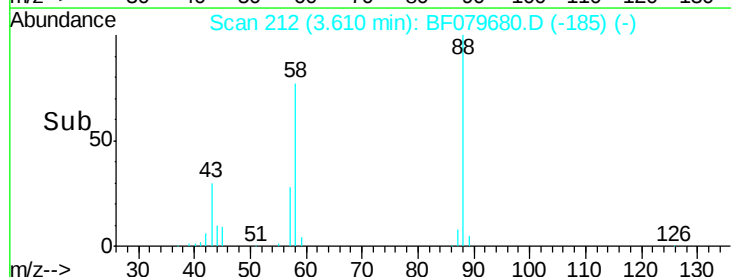
43 30.3 24.4 36.6

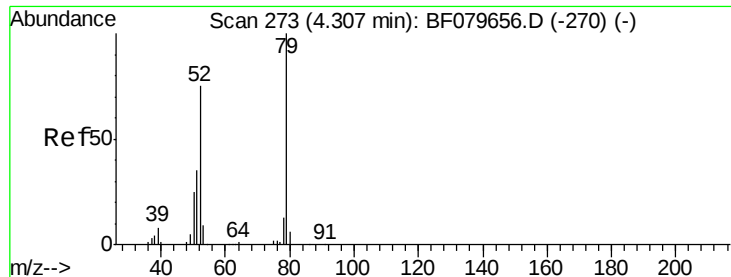


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 31.61 ng

RT: 4.32 min Scan# 274

Delta R.T. 0.01 min

Lab File: BF079680.D

Acq: 4 Jun 2015 1:36

Instrument :

BNA_F

ClientSampleId :

SB-17DMS

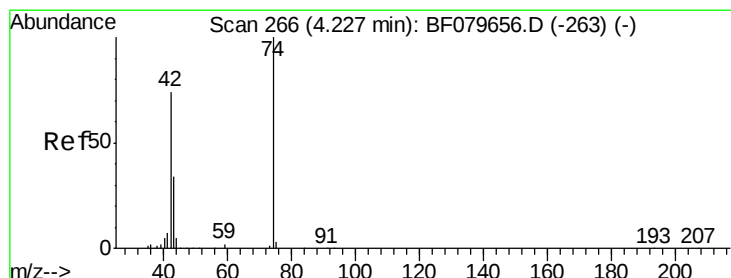
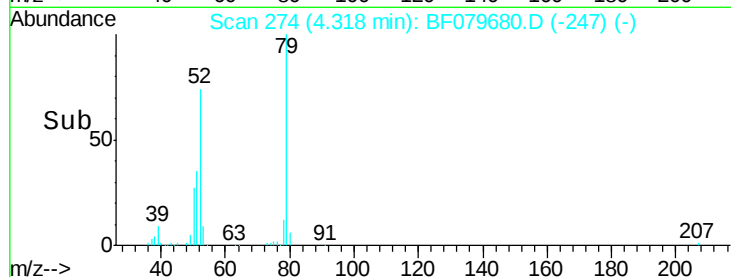
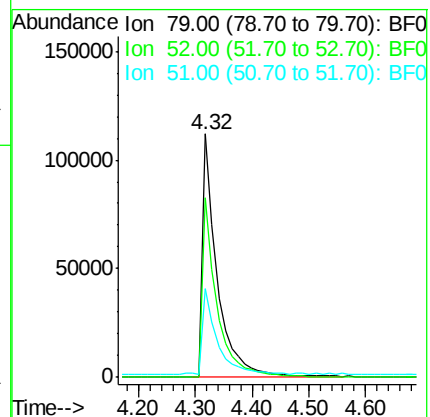
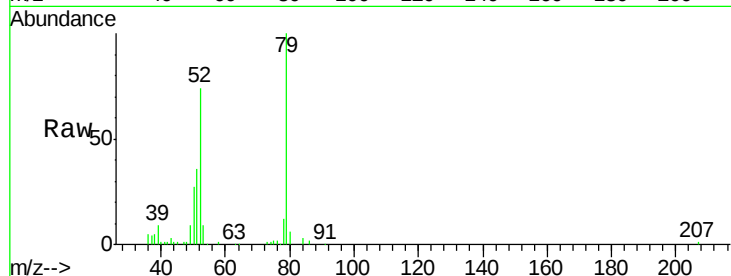
Tgt Ion: 79 Resp: 198872

Ion Ratio Lower Upper

79 100

52 73.8 60.1 90.1

51 36.3 28.2 42.4



#4

n-Nitrosodimethylamine

Concen: 31.96 ng

RT: 4.24 min Scan# 267

Delta R.T. 0.01 min

Lab File: BF079680.D

Acq: 4 Jun 2015 1:36

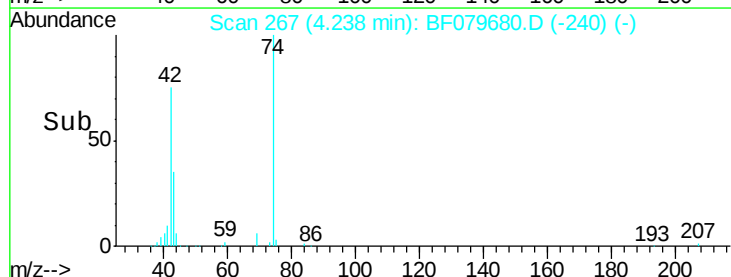
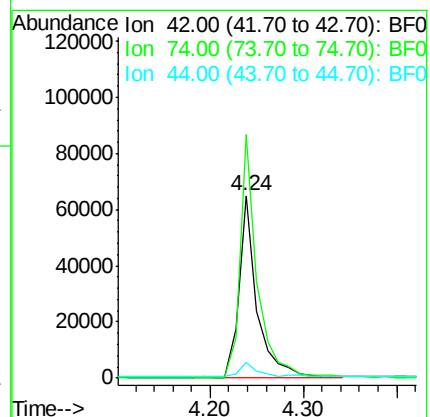
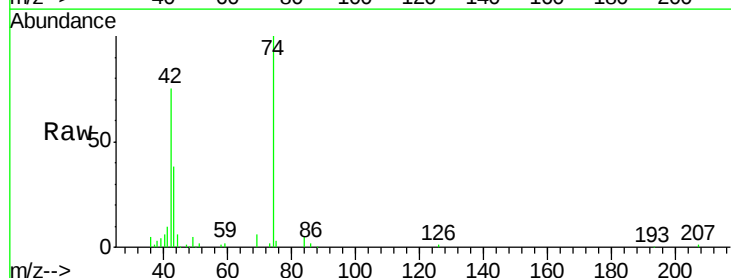
Tgt Ion: 42 Resp: 89649

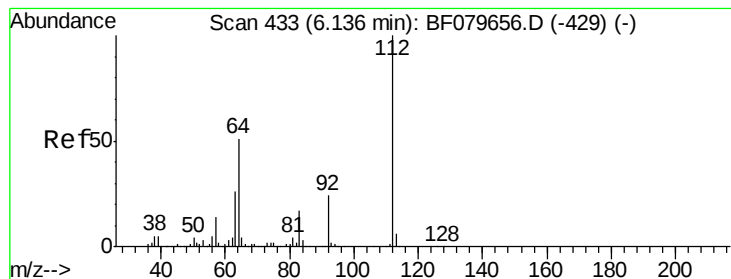
Ion Ratio Lower Upper

42 100

74 133.4 107.5 161.3

44 8.4 6.2 9.2





#5

2-Fluorophenol

Concen: 111.68 ng

RT: 6.14 min Scan# 433

Delta R.T. 0.00 min

Lab File: BF079680.D

Acq: 4 Jun 2015 1:36

Instrument :

BNA_F

ClientSampleId :

SB-17DMS

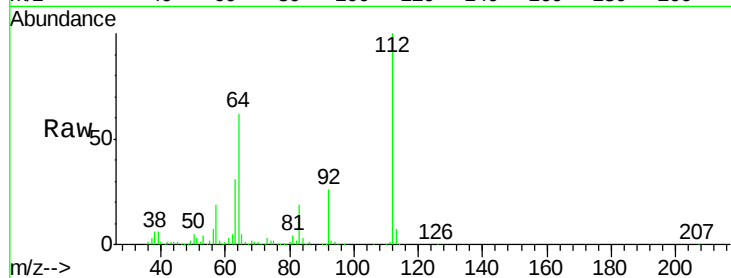
Tgt Ion: 112 Resp: 528870

Ion Ratio Lower Upper

112 100

64 61.9 41.1 61.7#

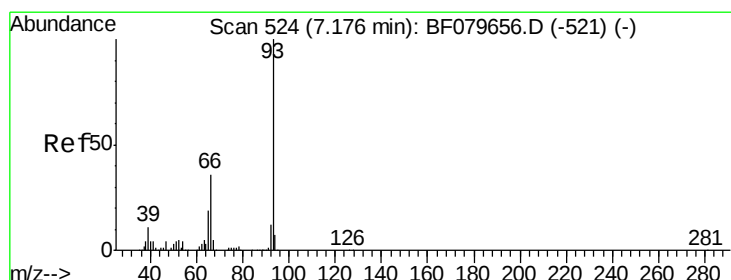
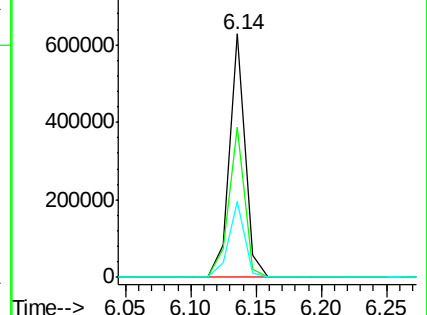
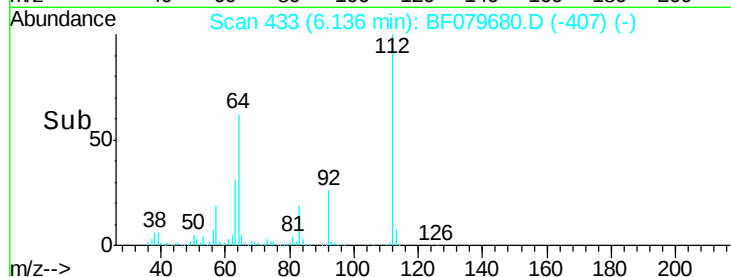
63 31.1 20.5 30.7#



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: 20.09 ng

RT: 7.18 min Scan# 524

Delta R.T. -0.00 min

Lab File: BF079680.D

Acq: 4 Jun 2015 1:36

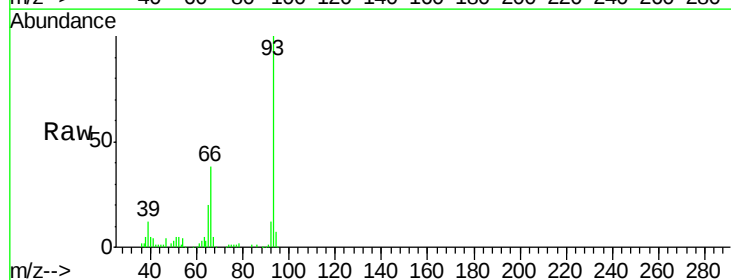
Tgt Ion: 93 Resp: 179214

Ion Ratio Lower Upper

93 100

66 37.7 28.5 42.7

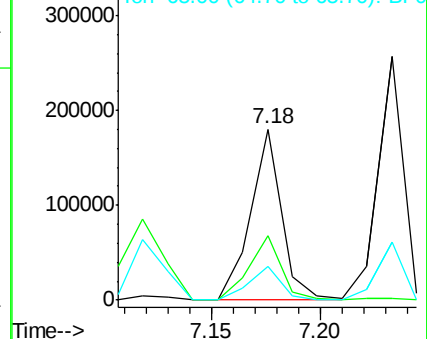
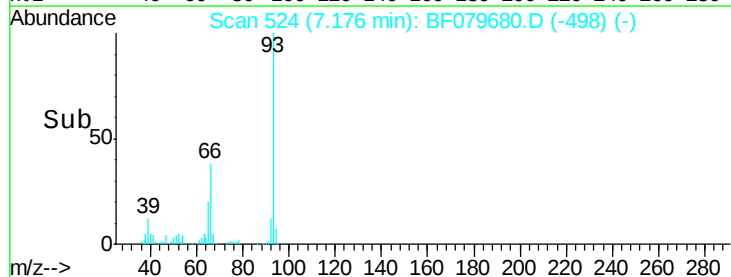
65 19.6 15.0 22.6

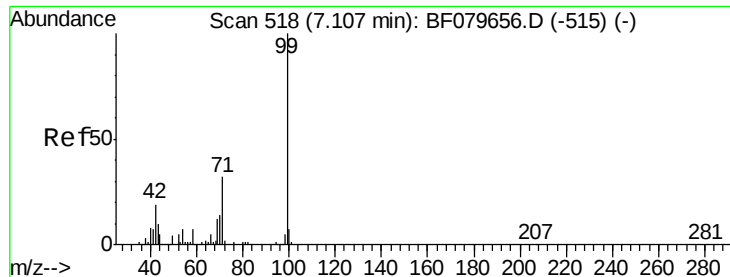


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 108.10 ng

RT: 7.11 min Scan# 518

Delta R.T. 0.00 min

Lab File: BF079680.D

Acq: 4 Jun 2015 1:36

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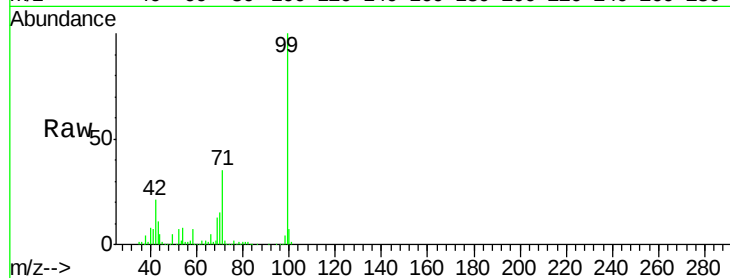
Tgt Ion: 99 Resp: 668687

Ion Ratio Lower Upper

99 100

42 20.8 15.2 22.8

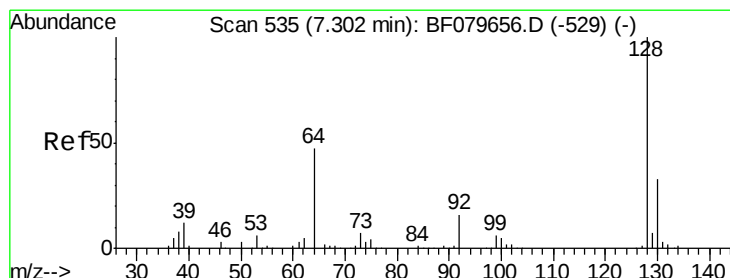
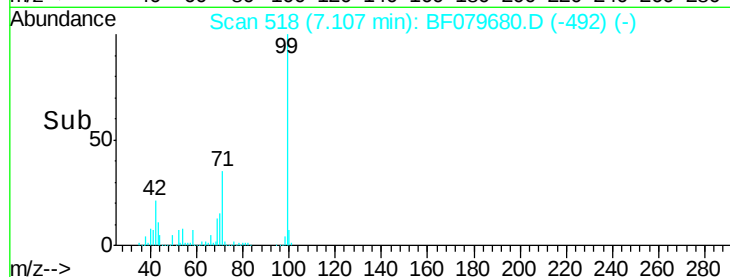
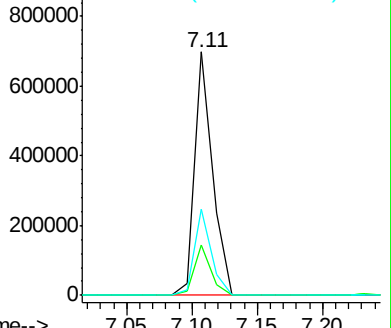
71 35.2 25.9 38.9



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: 36.51 ng

RT: 7.30 min Scan# 535

Delta R.T. -0.00 min

Lab File: BF079680.D

Acq: 4 Jun 2015 1:36

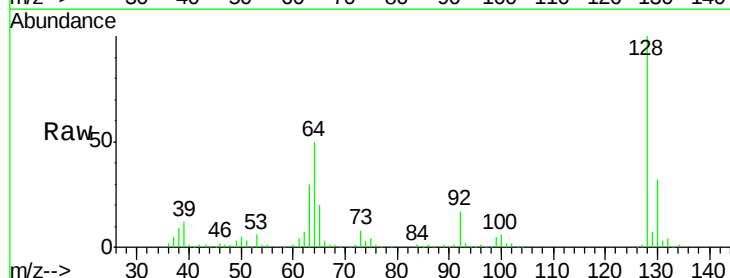
Tgt Ion: 128 Resp: 200881

Ion Ratio Lower Upper

128 100

130 32.2 12.7 52.7

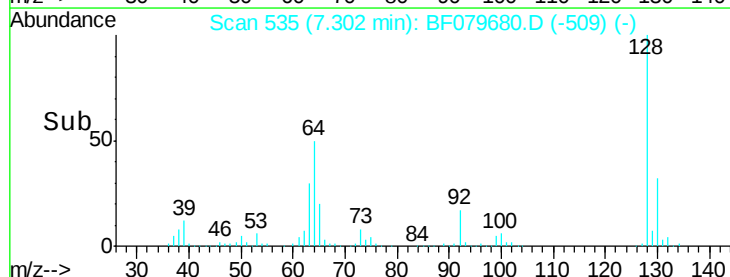
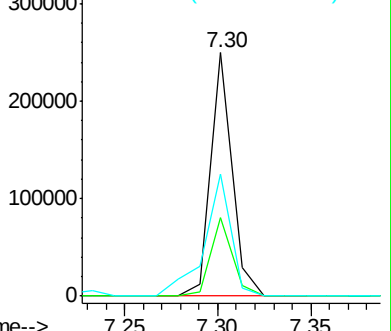
64 50.0 29.0 69.0

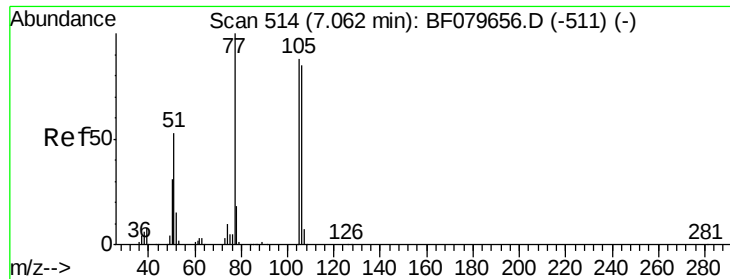


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 4.80 ng

RT: 7.06 min Scan# 514

Delta R.T. -0.00 min

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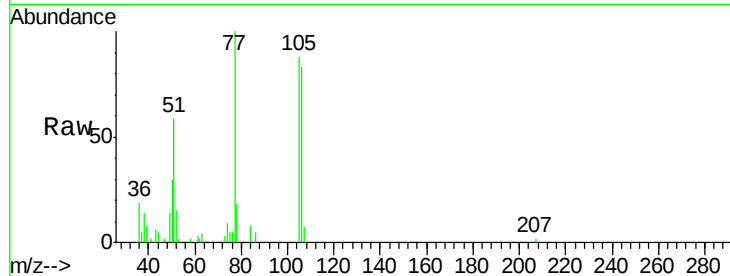
Tgt Ion: 77 Resp: 17289

Ion Ratio Lower Upper

77 100

105 87.9 68.2 108.2

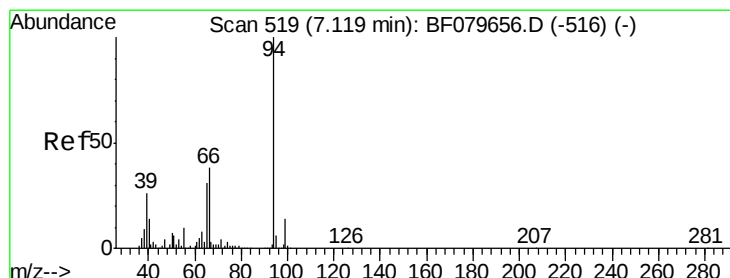
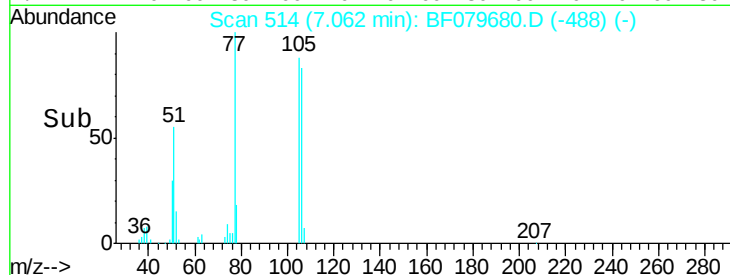
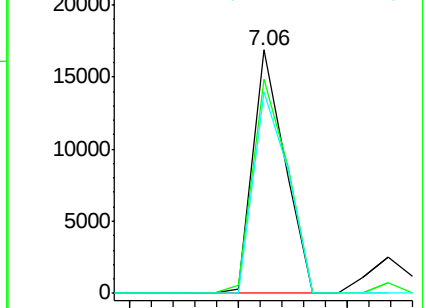
106 82.5 64.9 104.9



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: 33.79 ng

RT: 7.12 min Scan# 519

Delta R.T. -0.00 min

Lab File: BF079680.D

Acq: 4 Jun 2015 1:36

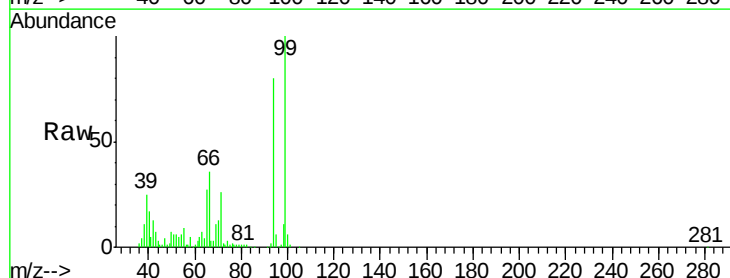
Tgt Ion: 94 Resp: 225193

Ion Ratio Lower Upper

94 100

65 33.5 10.9 50.9

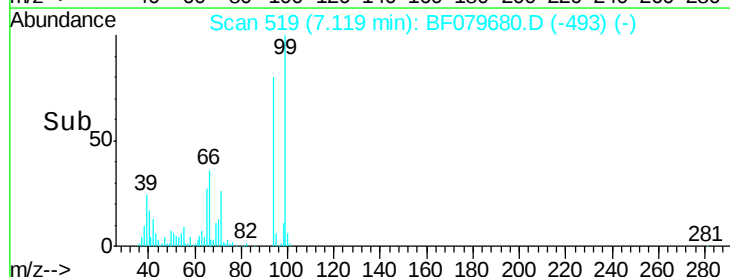
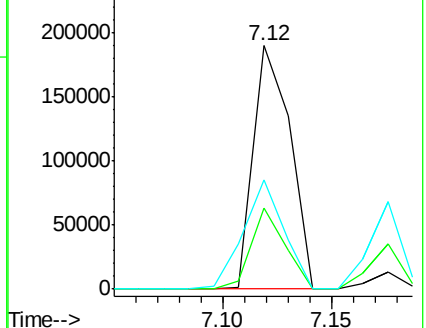
66 45.1 18.1 58.1

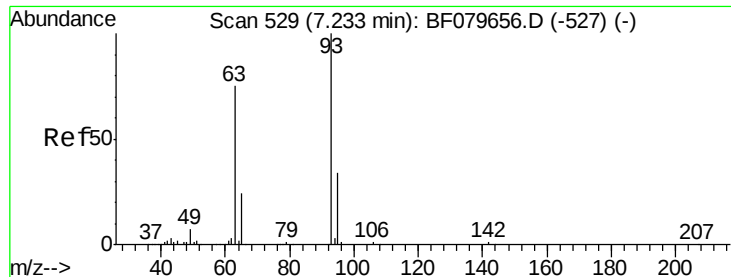


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

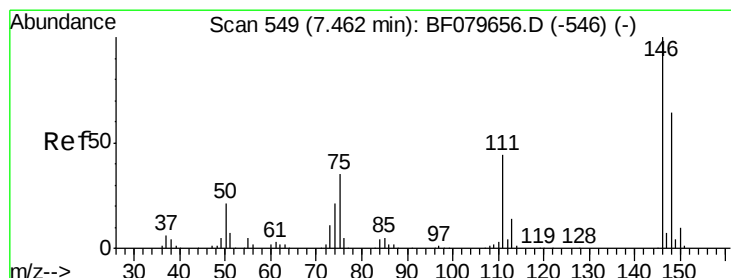
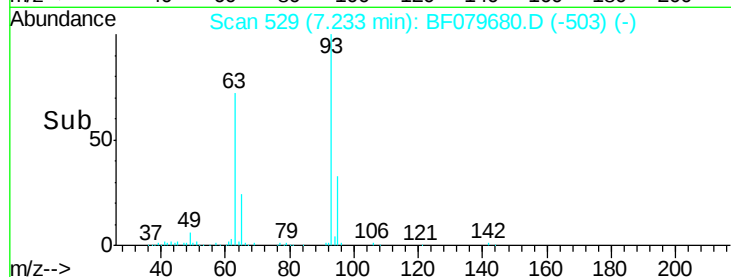
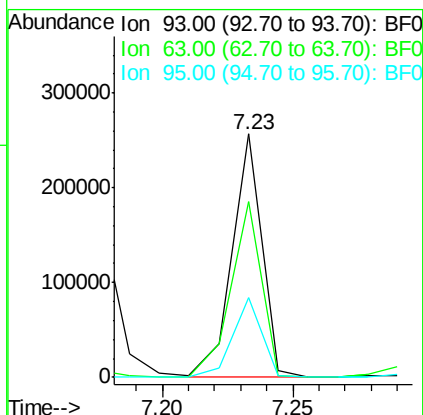
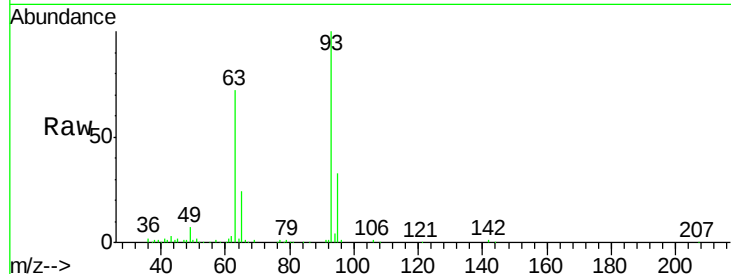




#11
bis(2-Chloroethyl)ether
Concen: 38.83 ng
RT: 7.23 min Scan# 529
Delta R.T. -0.00 min
Lab File: BF079680.D
Acq: 4 Jun 2015 1:36

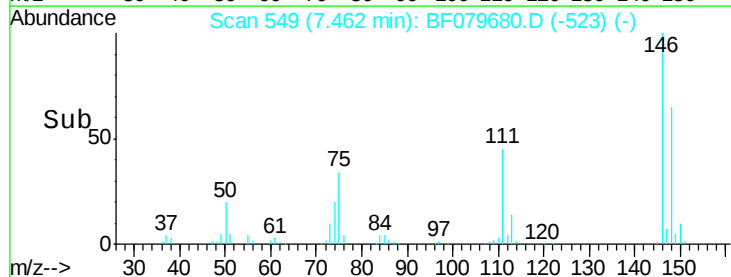
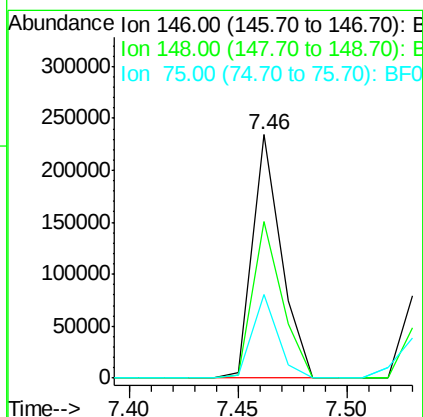
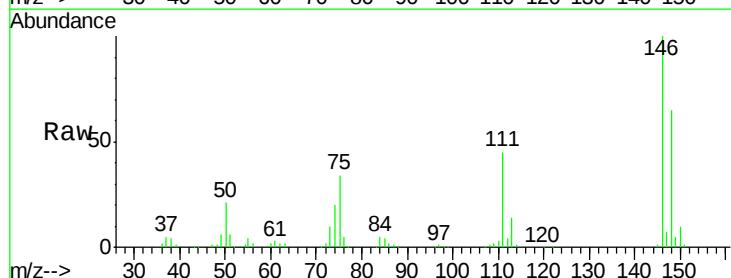
Instrument :
BNA_F
ClientSampleId :
SB-17DMS

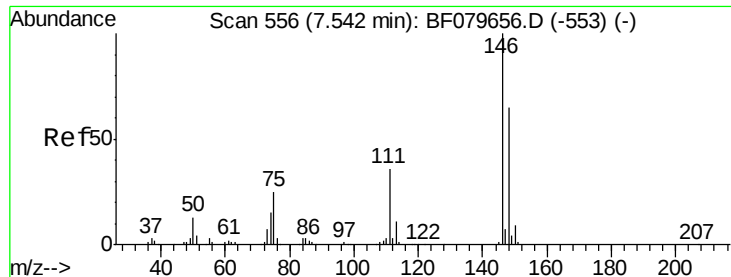
Tgt Ion: 93 Resp: 206328
Ion Ratio Lower Upper
93 100
63 72.0 54.7 94.7
95 32.8 13.5 53.5



#12
1,3-Dichlorobenzene
Concen: 34.19 ng
RT: 7.46 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF079680.D
Acq: 4 Jun 2015 1:36

Tgt Ion: 146 Resp: 215067
Ion Ratio Lower Upper
146 100
148 64.5 51.1 76.7
75 34.3 28.2 42.4

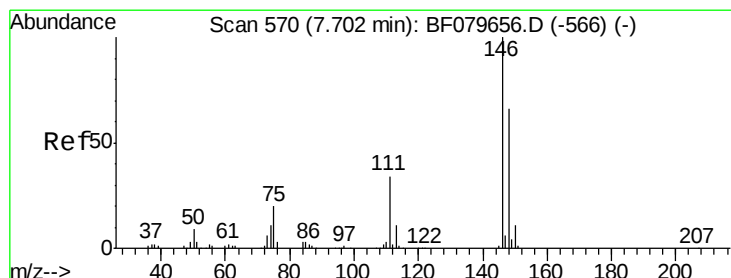
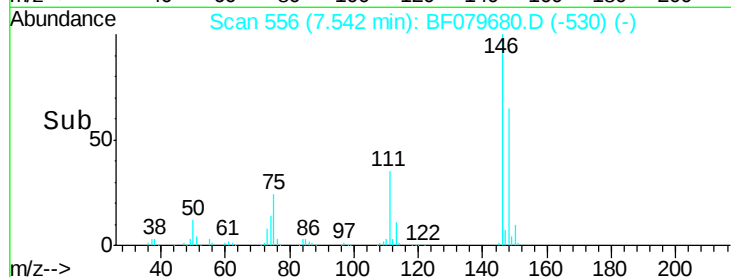
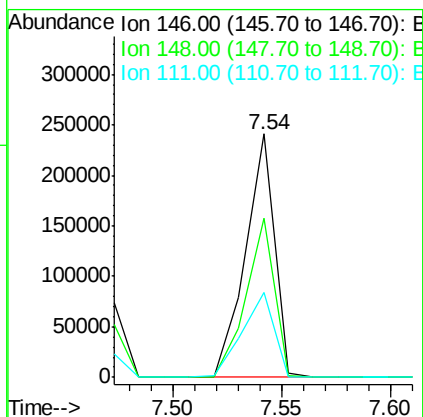
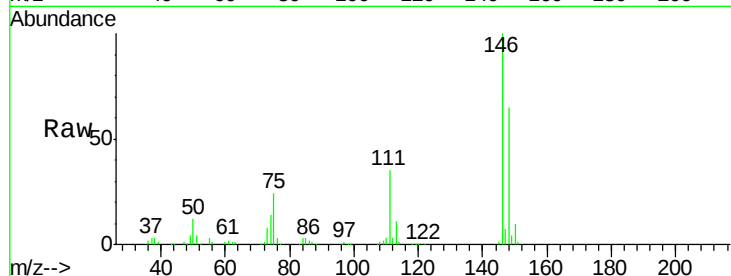




#13
 1,4-Dichlorobenzene
 Concen: 34.51 ng
 RT: 7.54 min Scan# 556
 Delta R.T. -0.00 min
 Lab File: BF079680.D
 Acq: 4 Jun 2015 1:36

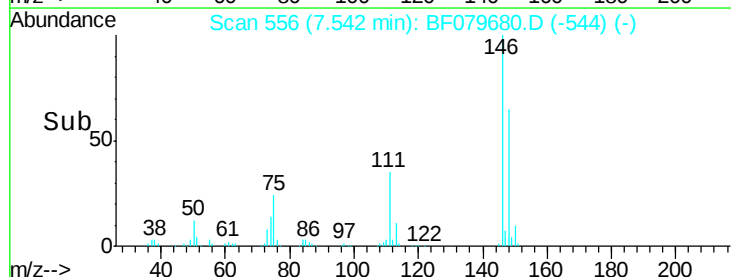
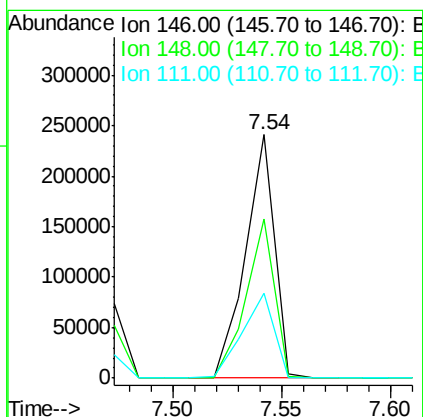
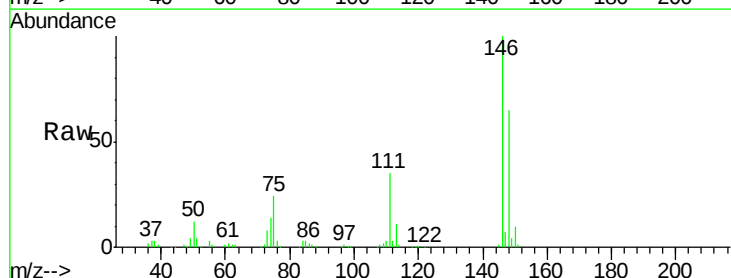
Instrument :
 BNA_F
 ClientSampleId :
 SB-17DMS

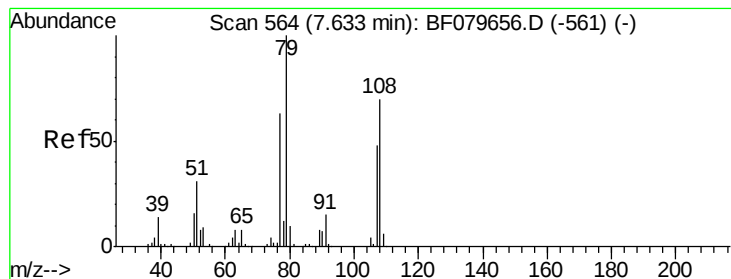
Tgt Ion:146 Resp: 222022
 Ion Ratio Lower Upper
 146 100
 148 65.1 52.1 78.1
 111 35.0 29.1 43.7



#14
 1,2-Dichlorobenzene
 Concen: 38.12 ng
 RT: 7.54 min Scan# 556
 Delta R.T. -0.16 min
 Lab File: BF079680.D
 Acq: 4 Jun 2015 1:36

Tgt Ion:146 Resp: 222022
 Ion Ratio Lower Upper
 146 100
 148 65.1 52.6 79.0
 111 35.0 27.3 40.9





#15

Benzyl Alcohol

Concen: 35.36 ng

RT: 7.63 min Scan# 564

Delta R.T. -0.00 min

Lab File: BF079680.D

Acq: 4 Jun 2015 1:36

Instrument :

BNA_F

ClientSampled :

SB-17DMS

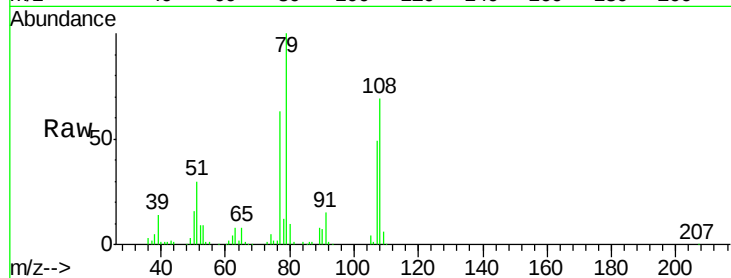
Tgt Ion: 79 Resp: 160236

Ion Ratio Lower Upper

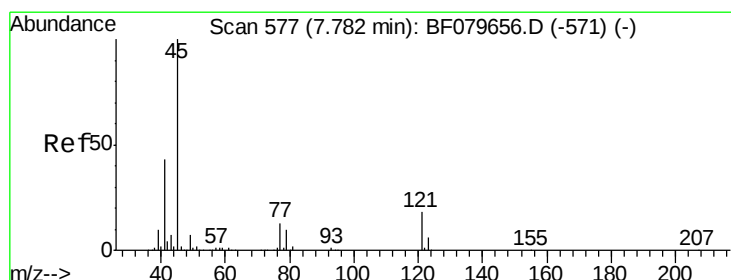
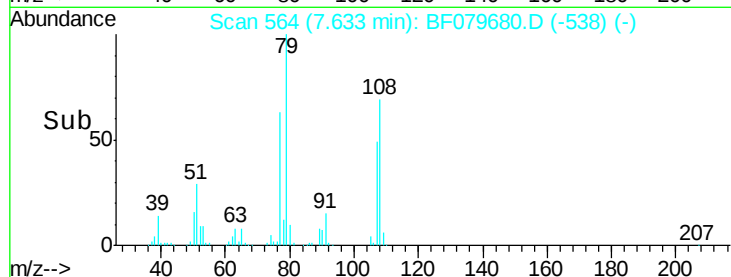
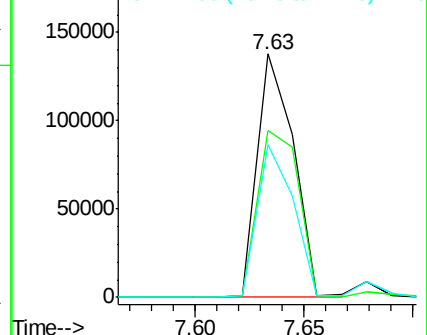
79 100

108 68.7 56.2 84.4

77 62.7 50.7 76.1



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



#16

2,2'-oxybis(1-chloropropane)

Concen: 36.08 ng

RT: 7.78 min Scan# 577

Delta R.T. -0.00 min

Lab File: BF079680.D

Acq: 4 Jun 2015 1:36

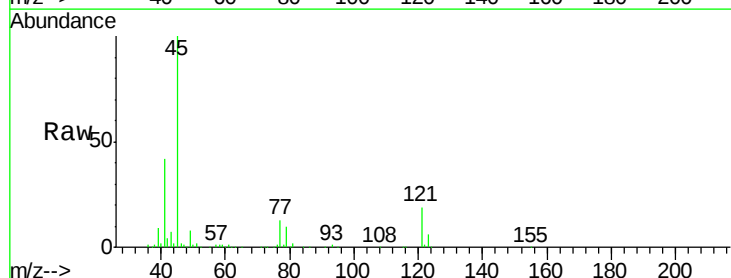
Tgt Ion: 45 Resp: 319638

Ion Ratio Lower Upper

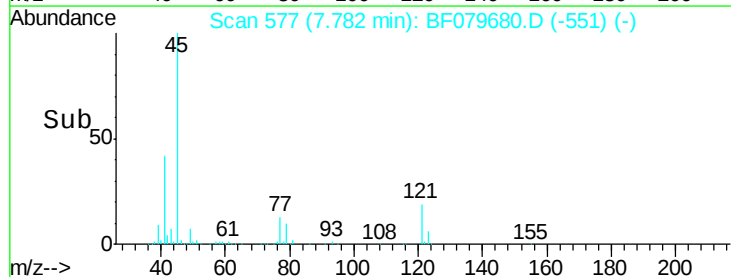
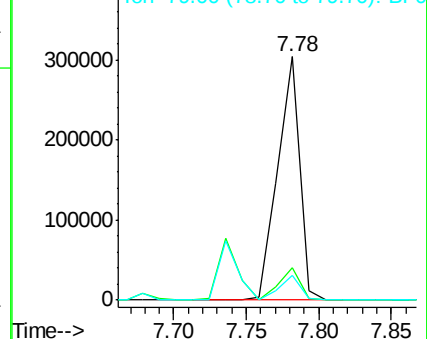
45 100

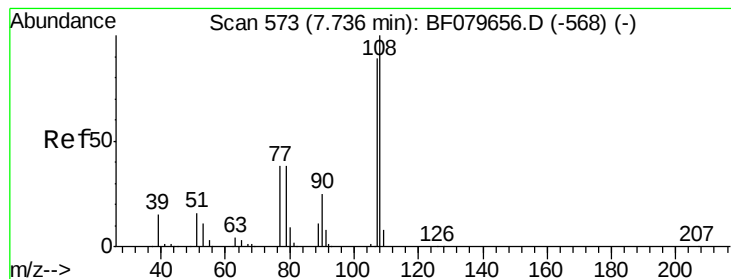
77 13.2 0.0 32.9

79 10.4 0.0 29.8



Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 34.31 ng

RT: 7.74 min Scan# 573

Delta R.T. -0.00 min

Lab File: BF079680.D

Acq: 4 Jun 2015 1:36

Instrument :

BNA_F

ClientSampleId :

SB-17DMS

Tgt Ion:107 Resp: 155869

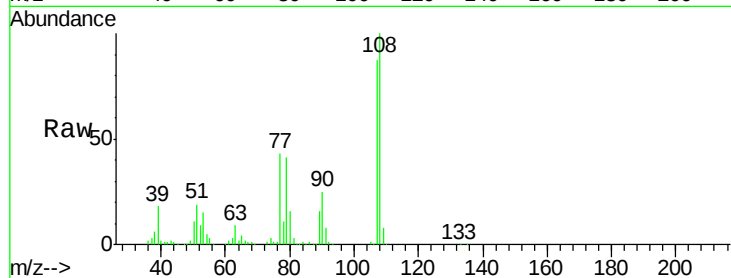
Ion Ratio Lower Upper

107 100

108 114.8 90.9 136.3

77 49.6 38.6 57.8

79 47.3 38.0 57.0

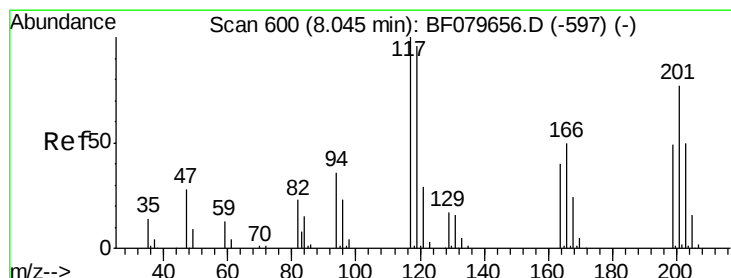
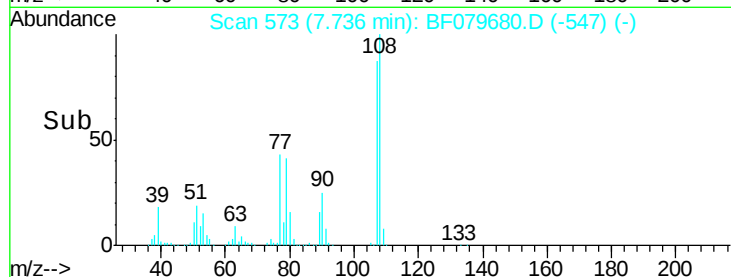
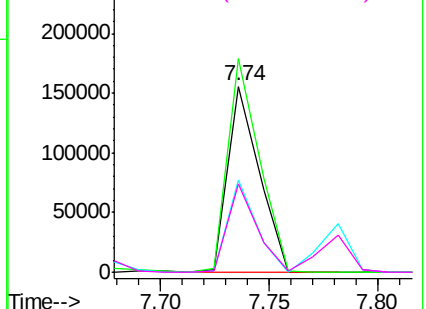


Abundance Ion 107.00 (106.70 to 107.70): E

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: 33.64 ng

RT: 8.04 min Scan# 600

Delta R.T. -0.00 min

Lab File: BF079680.D

Acq: 4 Jun 2015 1:36

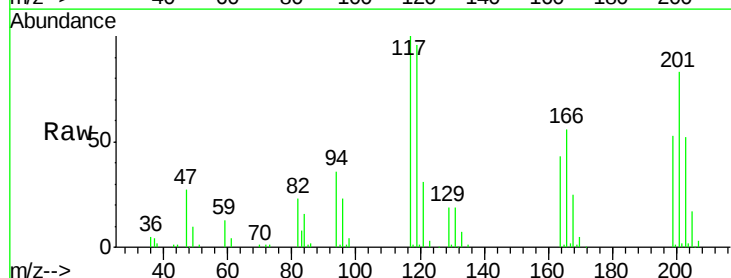
Tgt Ion:117 Resp: 70839

Ion Ratio Lower Upper

117 100

119 96.2 76.7 115.1

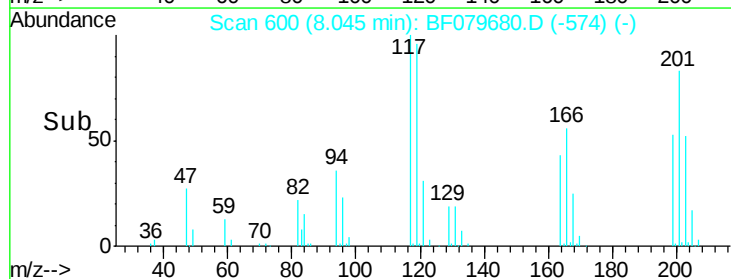
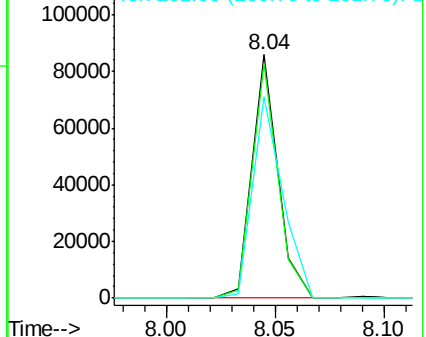
201 82.9 61.7 92.5

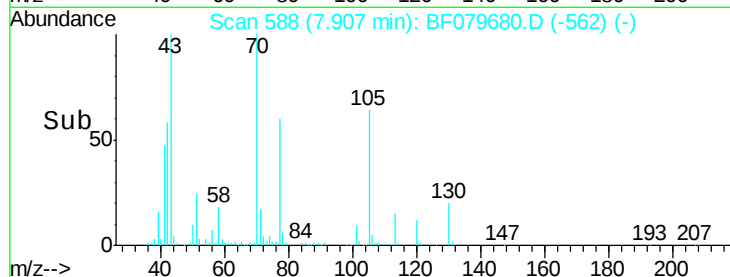
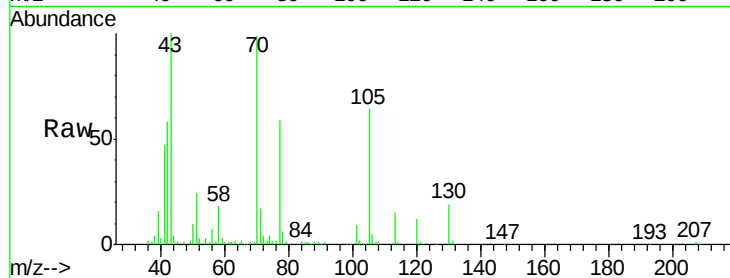
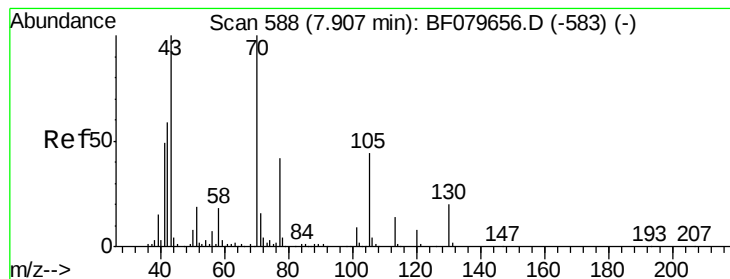


Abundance Ion 117.00 (116.70 to 117.70): E

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: 36.78 ng

RT: 7.91 min Scan# 588

Delta R.T. -0.00 min

Lab File: BF079680.D

Acq: 4 Jun 2015 1:36

Instrument :

BNA_F

ClientSampleId :

SB-17DMS

Tgt Ion: 70 Resp: 156455

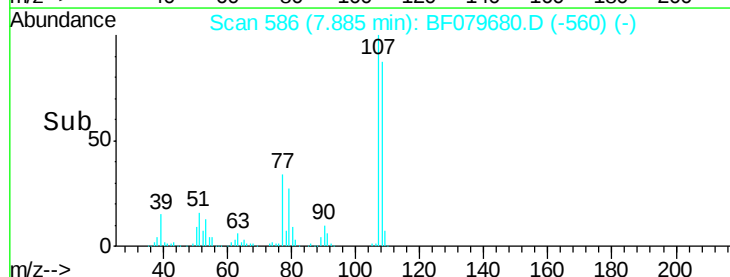
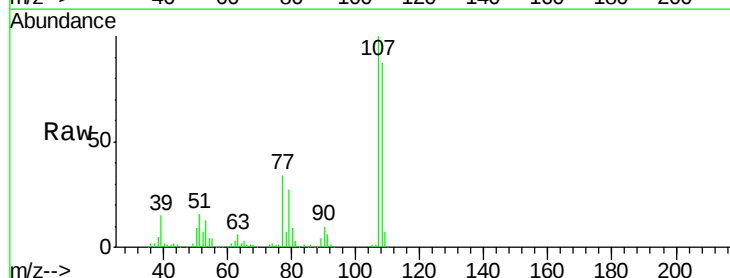
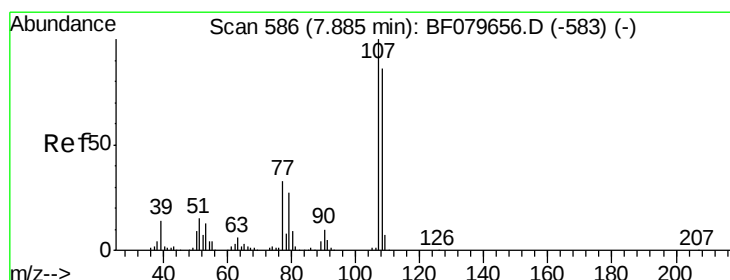
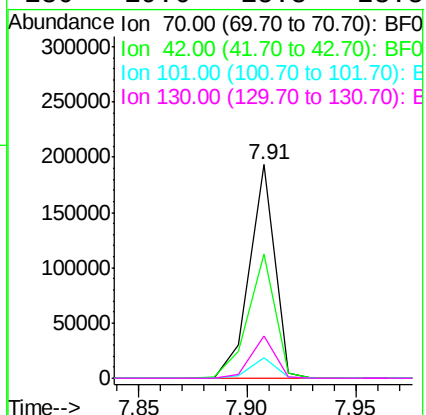
Ion Ratio Lower Upper

70 100

42 58.1 47.7 71.5

101 9.5 7.4 11.0

130 19.6 15.8 23.8



#20

3+4-Methylphenols

Concen: 35.82 ng

RT: 7.88 min Scan# 586

Delta R.T. -0.00 min

Lab File: BF079680.D

Acq: 4 Jun 2015 1:36

Tgt Ion: 107 Resp: 215492

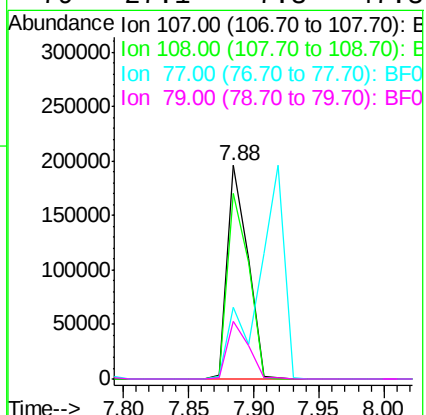
Ion Ratio Lower Upper

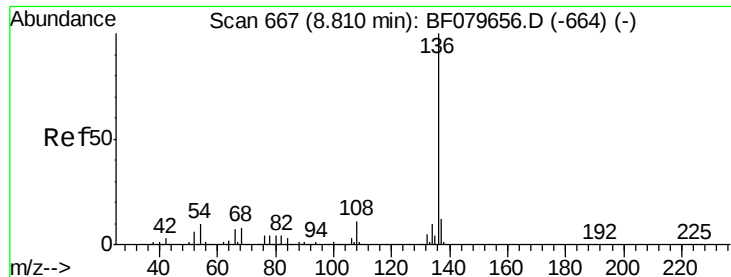
107 100

108 87.1 66.2 106.2

77 33.5 12.9 52.9

79 27.1 7.3 47.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.81 min Scan# 667

Delta R.T. -0.00 min

Lab File: BF079680.D

Acq: 4 Jun 2015 1:36

Instrument :

BNA_F

ClientSampleId :

SB-17DMS

Tgt Ion:136 Resp: 321758

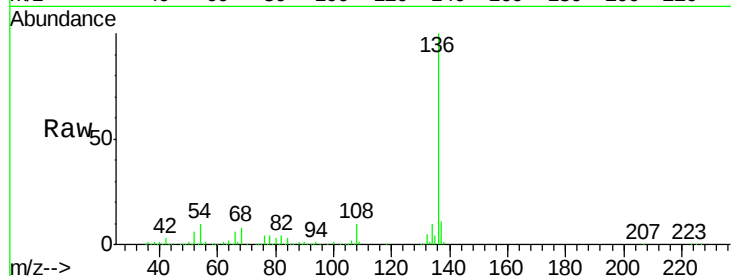
Ion Ratio Lower Upper

136 100

137 11.2 9.3 13.9

54 10.0 8.3 12.5

68 7.6 6.1 9.1

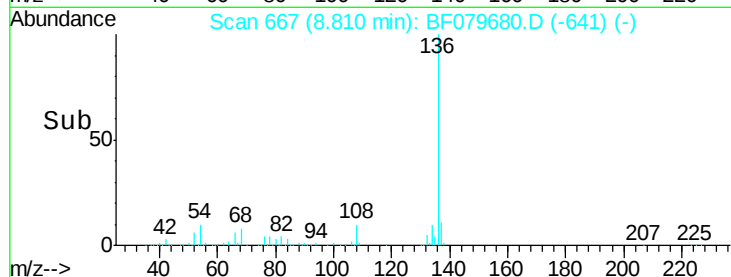


Abundance Ion 136.00 (135.70 to 136.70): E

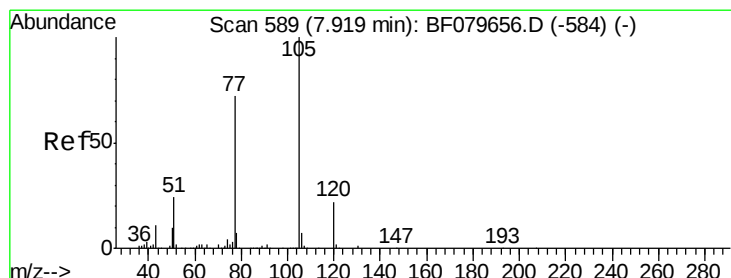
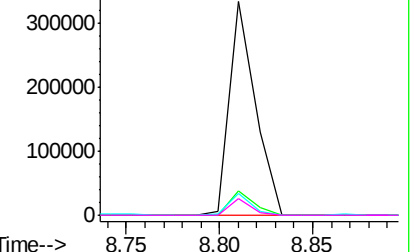
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 37.67 ng

RT: 7.92 min Scan# 589

Delta R.T. -0.00 min

Lab File: BF079680.D

Acq: 4 Jun 2015 1:36

Tgt Ion:105 Resp: 283656

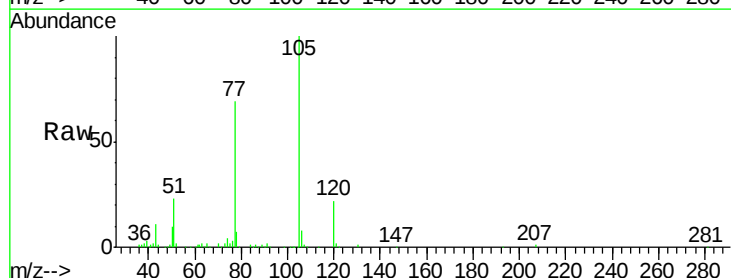
Ion Ratio Lower Upper

105 100

71 0.3 0.2 0.4

51 22.6 19.2 28.8

120 22.1 17.6 26.4

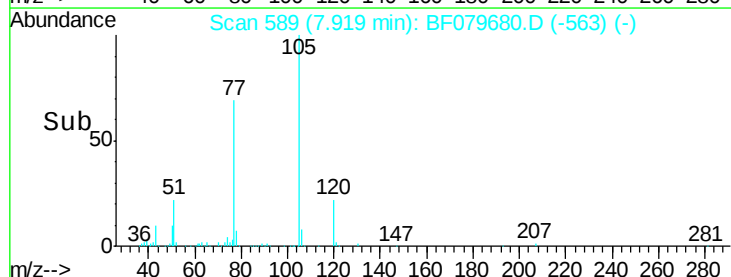


Abundance Ion 105.00 (104.70 to 105.70): E

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-->

