

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070815\
 Data File : BF080398.D
 Acq On : 8 Jul 2015 20:19
 Operator : TP/UM
 Sample : G2866-10MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-6.5-7.0-070115MS

Quant Time: Jul 09 01:03:51 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 09 00:53:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.21	152	37768	20.00	ng	0.00
21) Naphthalene-d8	8.51	136	117995	20.00	ng	0.01
38) Acenaphthene-d10	10.30	164	68759	20.00	ng	0.03
63) Phenanthrene-d10	11.81	188	87530	20.00	ng	0.03
75) Chrysene-d12	14.66	240	159434	20.00	ng	-0.18
86) Perylene-d12	16.45	264	164161	20.00	ng	-0.31

System Monitoring Compounds

5) 2-Fluorophenol	5.81	112	279928	135.74	ng	0.00
7) Phenol-d6	6.82	99	380697	139.27	ng	0.00
23) Nitrobenzene-d5	7.77	82	279404	138.11	ng	0.00
41) 2,4,6-Tribromophenol	11.10	330	77653	107.93	ng	0.05
44) 2-Fluorobiphenyl	9.60	172	259043	50.84	ng	0.02
78) Terphenyl-d14	13.45	244	431753	63.17	ng	-0.07

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.96	88	27421	28.16	ng	94
3) Pyridine	3.84	79	72374	29.21	ng	96
4) n-Nitrosodimethylamine	3.72	42	41326	35.50	ng	96
6) Aniline	6.88	93	90239	23.84	ng	96
8) 2-Chlorophenol	6.99	128	92891	38.86	ng	91
9) Benzaldehyde	6.75	77	56997	37.49	ng	88
10) Phenol	6.83	94	132257	44.62	ng	88
11) bis(2-Chloroethyl)ether	6.93	93	83946	37.54	ng	# 73
12) 1,3-Dichlorobenzene	7.15	146	100795	34.35	ng	97
13) 1,4-Dichlorobenzene	7.23	146	94984	34.66	ng	# 89
14) 1,2-Dichlorobenzene	7.23	146	94984	34.24	ng	95
15) Benzyl Alcohol	7.33	79	129522	61.21	ng	# 89
16) 2,2'-oxybis(1-Chloropropan	7.48	45	123364	34.12	ng	75
17) 2-Methylphenol	7.45	107	75682	40.85	ng	# 88
18) Hexachloroethane	7.74	117	181196	205.78	ng	# 1
19) n-Nitroso-di-n-propylamine	7.61	70	85604	48.26	ng	# 89
20) 3+4-Methylphenols	7.60	107	100021	38.73	ng	91
22) Acetophenone	7.61	105	111420	40.93	ng	# 63
24) Nitrobenzene	7.79	77	121164	59.62	ng	# 76
25) Isophorone	8.03	82	378167	97.12	ng	# 29
26) 2-Nitrophenol	8.11	139	52962	60.22	ng	# 1
27) 2,4-Dimethylphenol	8.13	122	116907	67.57	ng	# 86
28) bis(2-Chloroethoxy)methane	8.24	93	101003	41.77	ng	# 1
29) 2,4-Dichlorophenol	8.35	162	88881	57.85	ng	# 64
30) 1,2,4-Trichlorobenzene	8.45	180	79760	43.68	ng	# 96
31) Naphthalene	8.53	128	520194	85.95	ng	# 59
32) Benzoic acid	8.30	122	22778	29.25	ng	# 24
33) 4-Chloroaniline	8.57	127	92474	38.33	ng	# 3
34) Hexachlorobutadiene	8.66	225	38410	34.58	ng	99
35) Caprolactam	8.94	113	236687	498.88	ng	# 53
36) 4-Chloro-3-methylphenol	9.05	107	75560	47.67	ng	# 86
37) 2-Methylnaphthalene	9.24	142	118790	30.79	ng	# 69
39) 1,2,4,5-Tetrachlorobenzene	9.42	216	54456	24.99	ng	# 63
40) Hexachlorocyclopentadiene	9.40	237	24486	31.70	ng	93

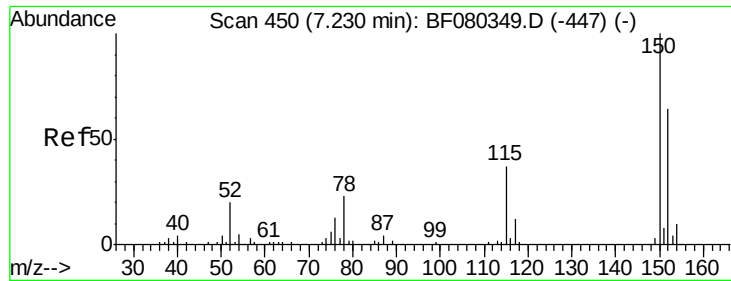
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.52	196	39246	27.34	ng	88
43) 2,4,5-Trichlorophenol	9.55	196	36723	21.95	ng #	1
45) 1,1'-Biphenyl	9.71	154	130281	21.35	ng	92
46) 2-Chloronaphthalene	9.73	162	100640	21.63	ng #	55
47) 2-Nitroaniline	9.81	65	34128	26.21	ng #	79
48) Acenaphthylene	10.17	152	240484	31.05	ng #	38
49) Dimethylphthalate	10.00	163	111409	20.18	ng #	85
50) 2,6-Dinitrotoluene	10.08	165	37369	32.38	ng #	79
51) Acenaphthene	10.34	154	289329	62.40	ng #	65
52) 3-Nitroaniline	10.22	138	35798	27.53	ng #	79
53) 2,4-Dinitrophenol	10.38	184	13731	32.38	ng #	1
54) Dibenzofuran	10.51	168	288606	43.78	ng #	1
55) 4-Nitrophenol	10.37	139	21568	22.63	ng #	38
56) 2,4-Dinitrotoluene	10.51	165	149491	100.72	ng #	67
57) Fluorene	10.86	166	482886	85.07	ng #	85
58) 2,3,4,6-Tetrachlorophenol	10.65	232	25620	19.12	ng #	1
59) Diethylphthalate	10.70	149	124521	22.58	ng #	82
60) 4-Chlorophenyl-phenylether	10.85	204	50755	20.20	ng #	9
61) 4-Nitroaniline	10.78	138	11169	8.85	ng	77
62) Azobenzene	11.01	77	138653	26.47	ng #	1
64) 4,6-Dinitro-2-methylphenol	10.89	198	10583	23.77	ng #	1
65) n-Nitrosodiphenylamine	10.98	169	1102967	395.60	ng #	46
66) 4-Bromophenyl-phenylether	11.34	248	37956	37.85	ng #	36
67) Hexachlorobenzene	11.46	284	42079	40.01	ng #	70
68) Atrazine	11.48	200	54250	65.36	ng #	66
69) Pentachlorophenol	11.62	266	42228	81.19	ng	96
70) Phenanthrene	11.85	178	1779019	338.86	ng #	95
71) Anthracene	11.89	178	437315	84.95	ng #	85
72) Carbazole	12.03	167	185387	38.61	ng #	68
73) Di-n-butylphthalate	12.35	149	195387	35.58	ng #	83
74) Fluoranthene	13.08	202	803358	142.41	ng	98
76) Benzidine	13.04	184	9421	2.33	ng #	1
77) Pyrene	13.08	202	800202	82.98	ng	99
79) Butylbenzylphthalate	13.96	149	163637	42.52	ng	98
80) Benzo(a)anthracene	14.65	228	550883	57.33	ng	99
81) 3,3'-Dichlorobenzidine	14.59	252	94732	29.73	ng #	96
82) Chrysene	14.69	228	479809	53.37	ng	99
83) Bis(2-ethylhexyl)phthalate	14.63	149	282598	48.18	ng	99
84) Di-n-octyl phthalate	15.40	149	453998	46.86	ng	99
85) Indeno(1,2,3-cd)pyrene	18.21	276	457152	43.24	ng	95
87) Benzo(b)fluoranthene	15.95	252	488482	47.35	ng	100
88) Benzo(k)fluoranthene	15.95	252	488482	50.02	ng	99
89) Benzo(a)pyrene	16.39	252	456088	48.34	ng	98
90) Dibenzo(a,h)anthracene	18.23	278	360219	38.77	ng	97
91) Benzo(g,h,i)perylene	18.74	276	384005	40.76	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.21 min Scan# 448

Delta R.T. 0.00 min

Lab File: BF080398.D

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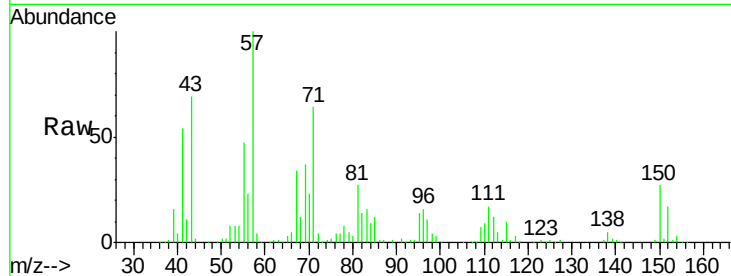
Tgt Ion:152 Resp: 37768

Ion Ratio Lower Upper

152 100

150 160.5 124.7 187.1

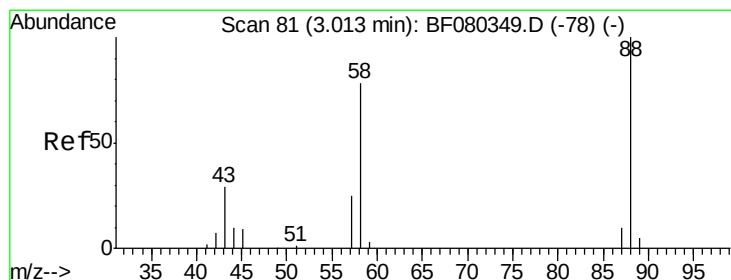
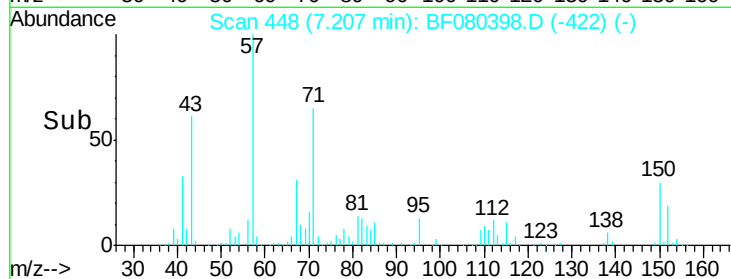
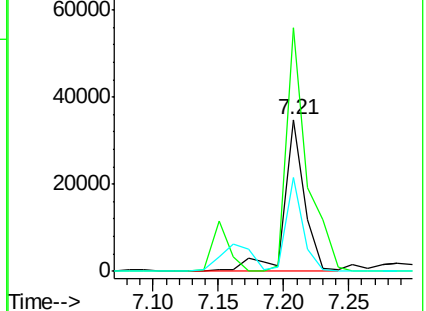
115 61.5 45.7 68.5



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: 28.16 ng

RT: 2.96 min Scan# 76

Delta R.T. -0.01 min

Lab File: BF080398.D

Acq: 8 Jul 2015 20:19

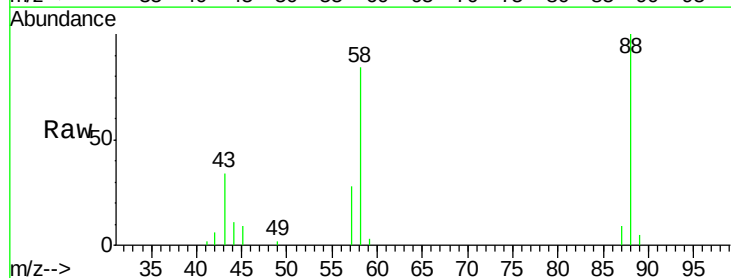
Tgt Ion: 88 Resp: 27421

Ion Ratio Lower Upper

88 100

58 80.3 61.0 91.6

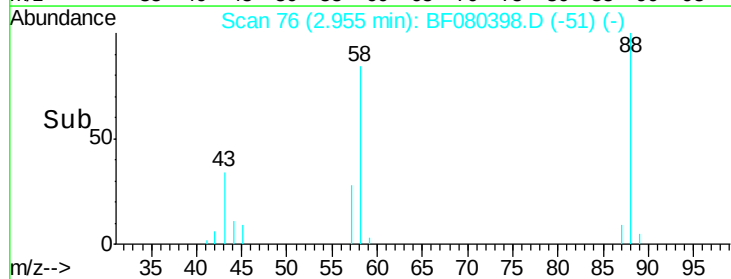
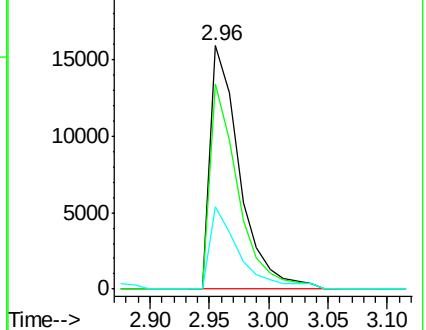
43 33.8 23.4 35.0

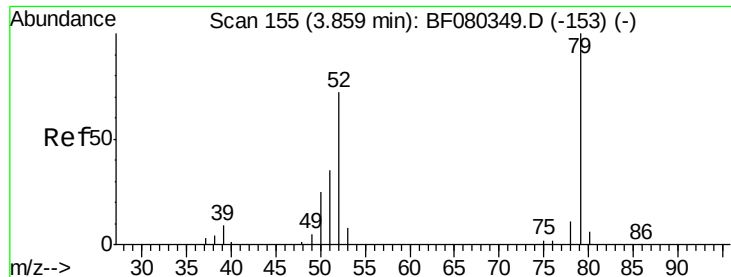


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 29.21 ng

RT: 3.84 min Scan# 153

Delta R.T. 0.02 min

Lab File: BF080398.D

Acq: 8 Jul 2015 20:19

Instrument :

BNA_F

ClientSampleId :

SB-04-6.5-7.0-070115MS

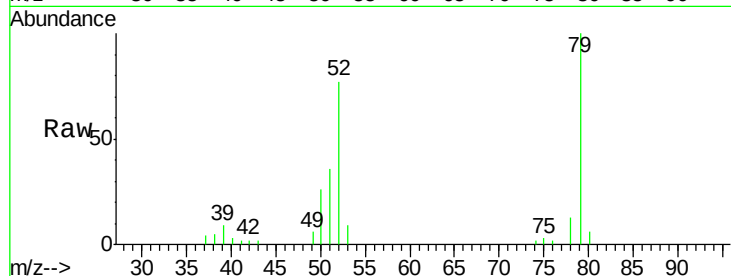
Tgt Ion: 79 Resp: 72374

Ion Ratio Lower Upper

79 100

52 76.9 57.2 85.8

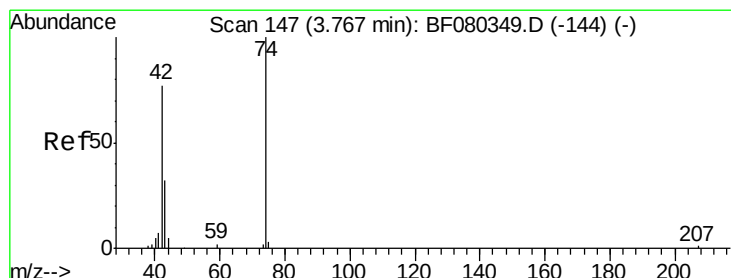
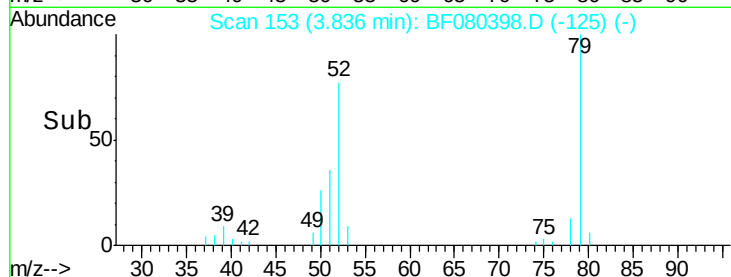
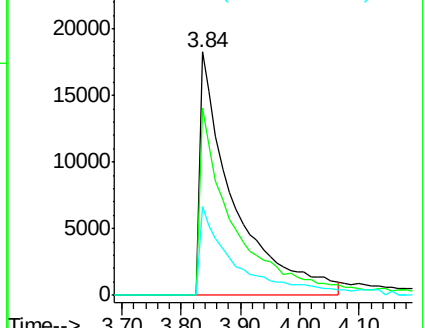
51 36.4 29.4 44.0



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 35.50 ng

RT: 3.72 min Scan# 143

Delta R.T. 0.00 min

Lab File: BF080398.D

Acq: 8 Jul 2015 20:19

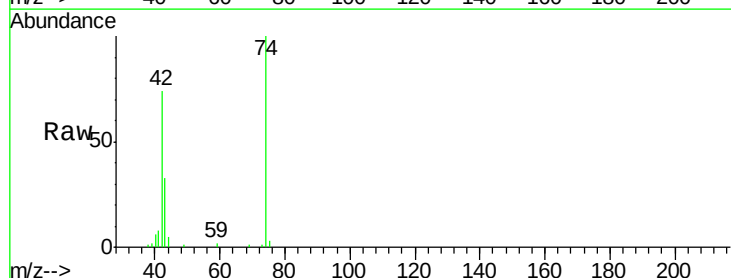
Tgt Ion: 42 Resp: 41326

Ion Ratio Lower Upper

42 100

74 134.5 103.4 155.0

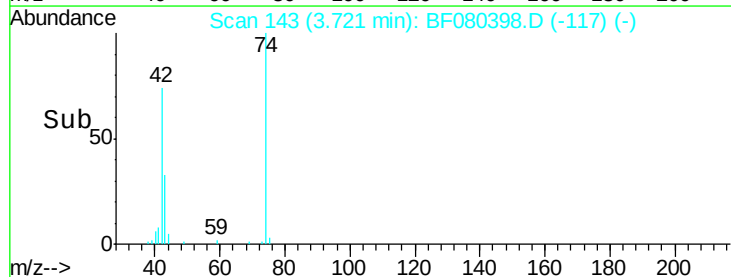
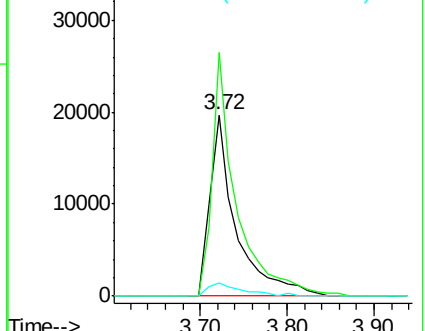
44 7.3 5.4 8.0

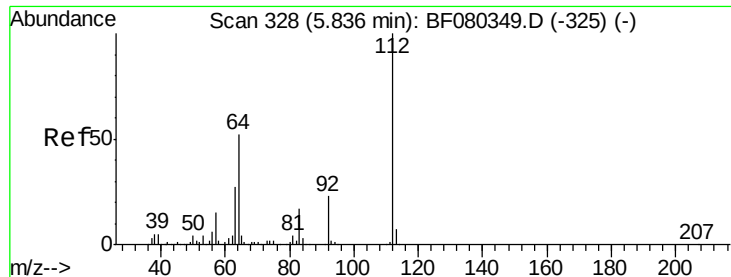


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 135.74 ng

RT: 5.81 min Scan# 326

Delta R.T. 0.00 min

Lab File: BF080398.D

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Instrument :

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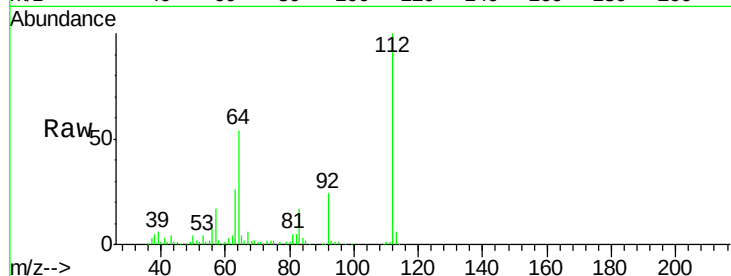
Tgt Ion: 112 Resp: 279928

Ion Ratio Lower Upper

112 100

64 53.6 41.8 62.6

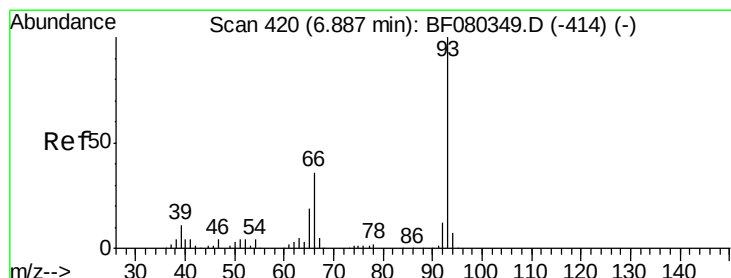
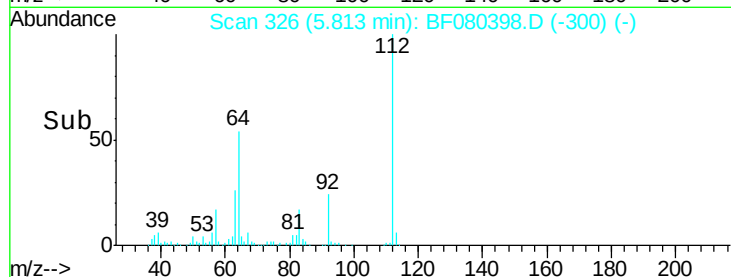
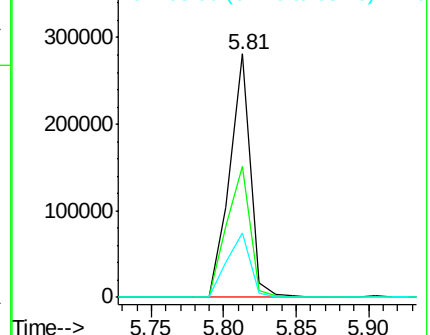
63 26.4 21.5 32.3



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: 23.84 ng

RT: 6.88 min Scan# 419

Delta R.T. 0.01 min

Lab File: BF080398.D

Acq: 8 Jul 2015 20:19

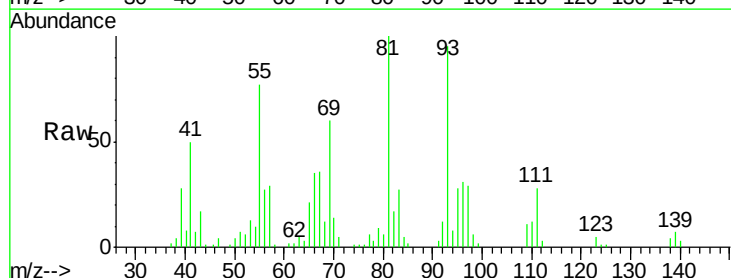
Tgt Ion: 93 Resp: 90239

Ion Ratio Lower Upper

93 100

66 36.7 28.7 43.1

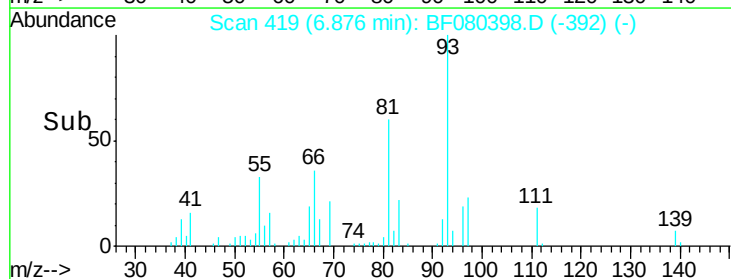
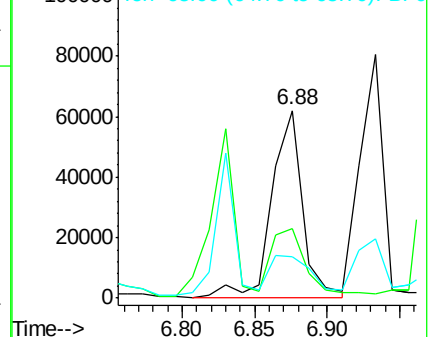
65 22.0 14.8 22.2

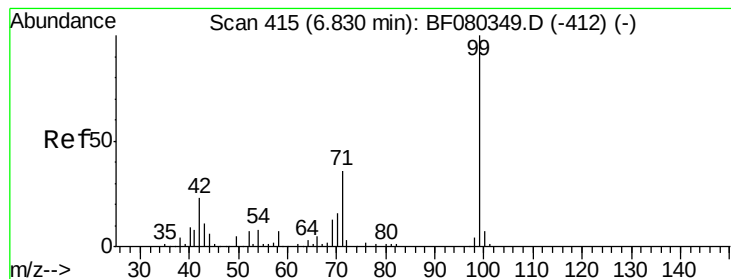


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 139.27 ng

RT: 6.82 min Scan# 414

Delta R.T. 0.00 min

Lab File: BF080398.D

Acq: 8 Jul 2015 20:19

Instrument :

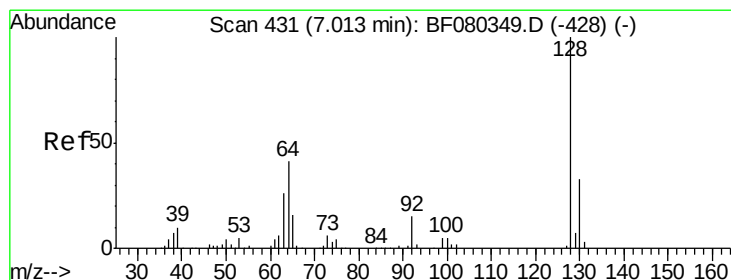
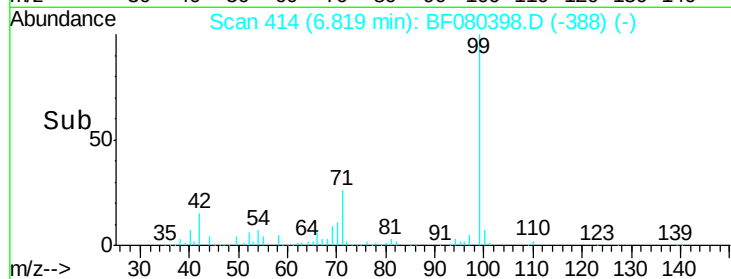
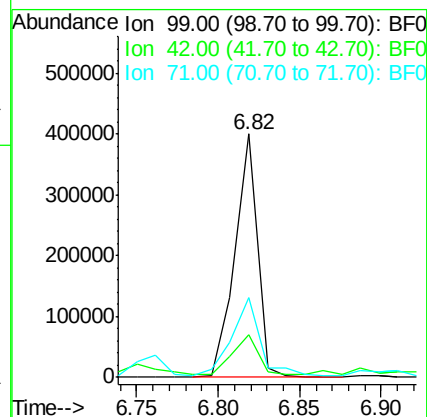
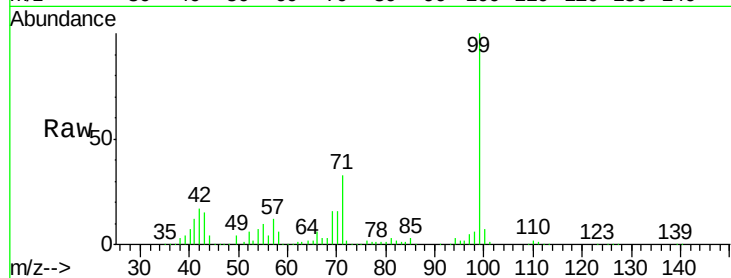
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Tgt Ion: 99 Resp: 380697

Ion	Ratio	Lower	Upper
99	100		
42	17.3	18.5	27.7#
71	32.8	28.5	42.7



#8

2-Chlorophenol

Concen: 38.86 ng

RT: 6.99 min Scan# 429

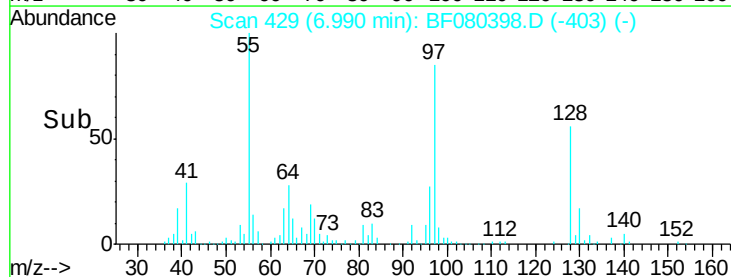
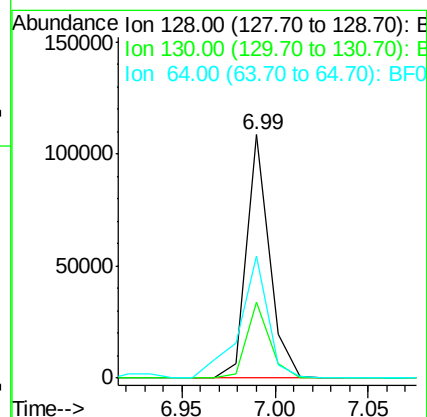
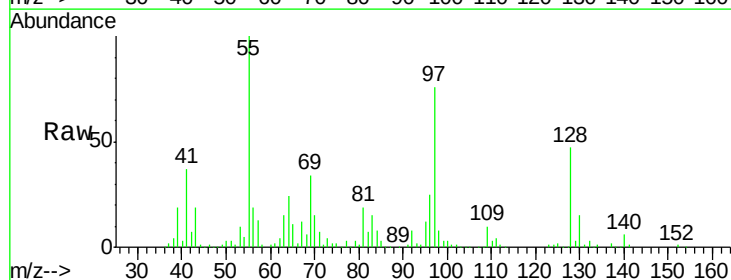
Delta R.T. 0.00 min

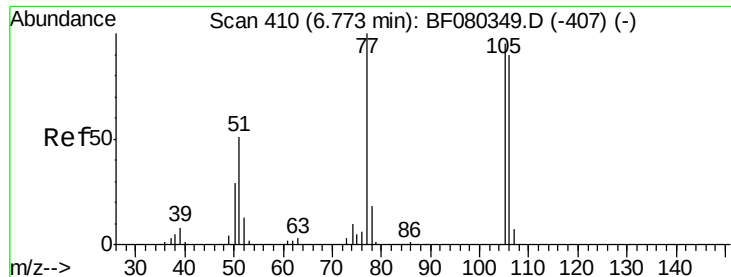
Lab File: BF080398.D

Acq: 8 Jul 2015 20:19

Tgt Ion: 128 Resp: 92891

Ion	Ratio	Lower	Upper
128	100		
130	31.4	12.8	52.8
64	50.1	21.1	61.1





#9

Benzaldehyde

Concen: 37.49 ng

RT: 6.75 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF080398.D

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Instrument :

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ClientSampleId :

SB-04-6.5-7.0-070115MS

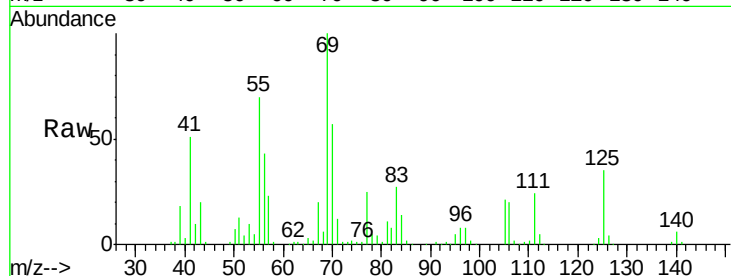
Tgt Ion: 77 Resp: 56997

Ion Ratio Lower Upper

77 100

105 82.6 75.2 115.2

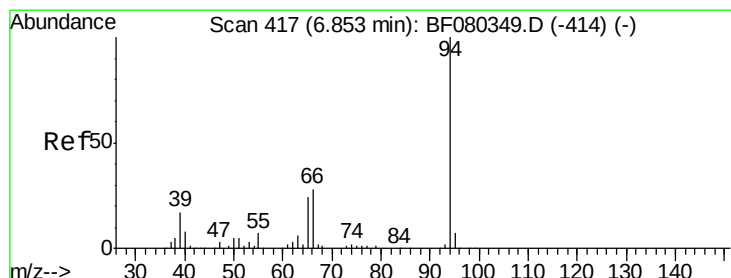
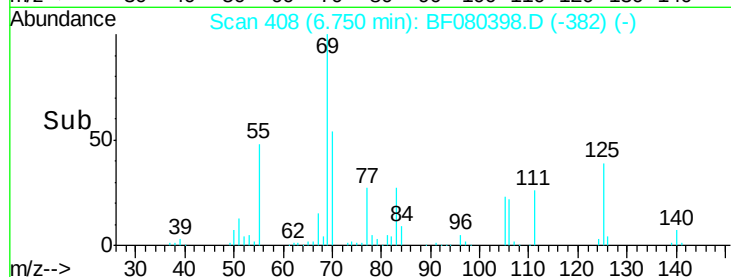
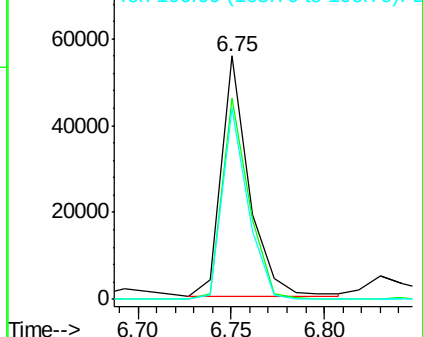
106 78.7 69.9 109.9



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: 44.62 ng

RT: 6.83 min Scan# 415

Delta R.T. 0.00 min

Lab File: BF080398.D

Acq: 8 Jul 2015 20:19

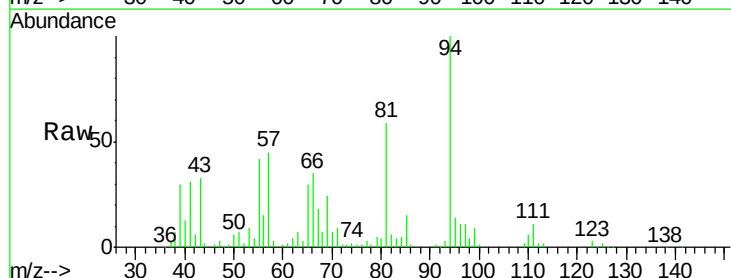
Tgt Ion: 94 Resp: 132257

Ion Ratio Lower Upper

94 100

65 29.6 3.5 43.5

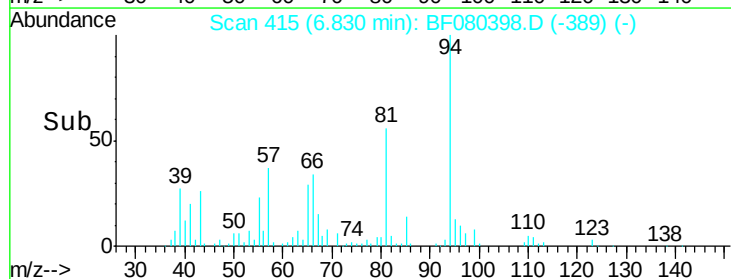
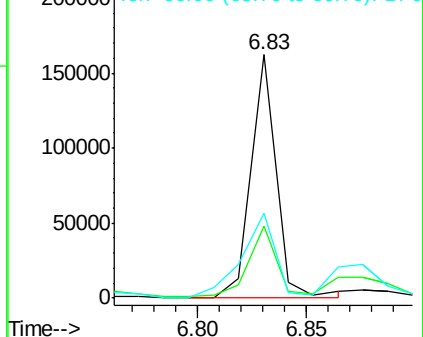
66 34.6 8.5 48.5

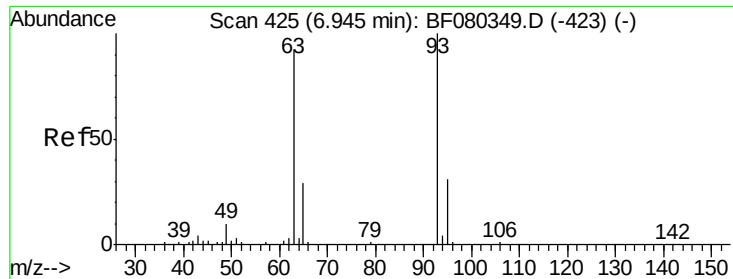


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

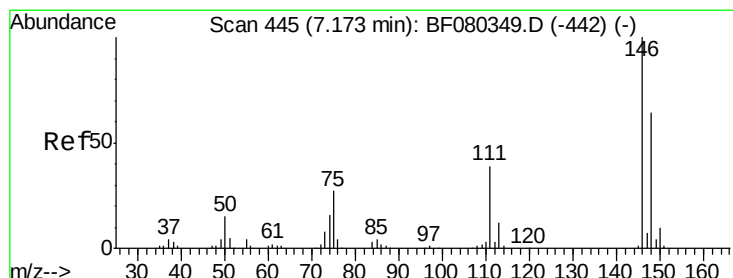
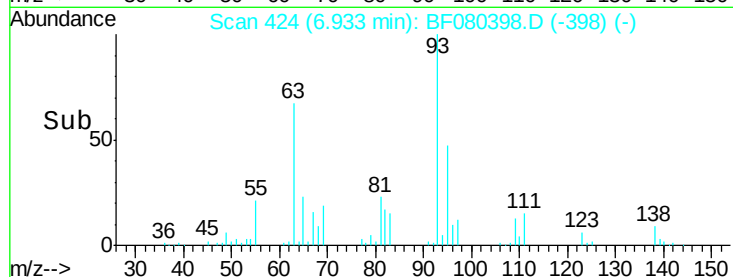
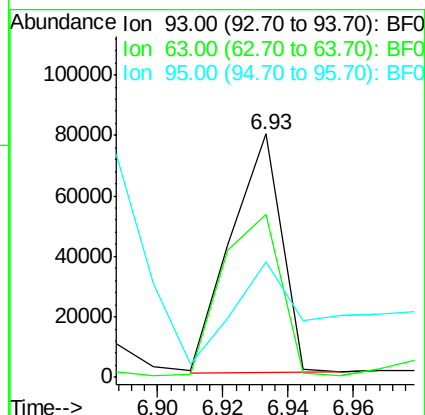
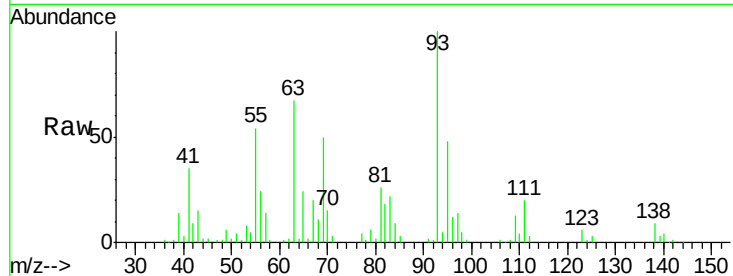




#11
bis(2-Chloroethyl)ether
Concen: 37.54 ng
RT: 6.93 min Scan# 424
Delta R.T. 0.00 min
Lab File: BF080398.D
Acq: 8 Jul 2015 20:19

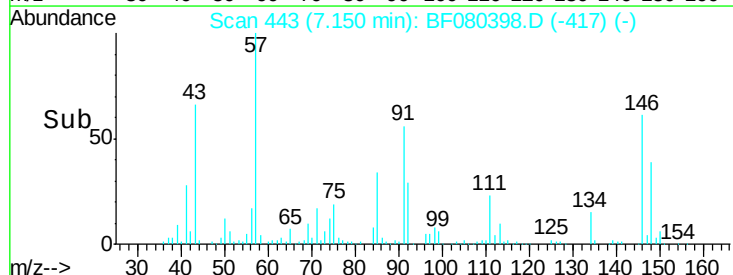
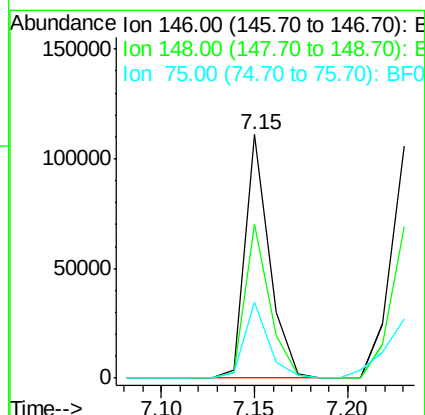
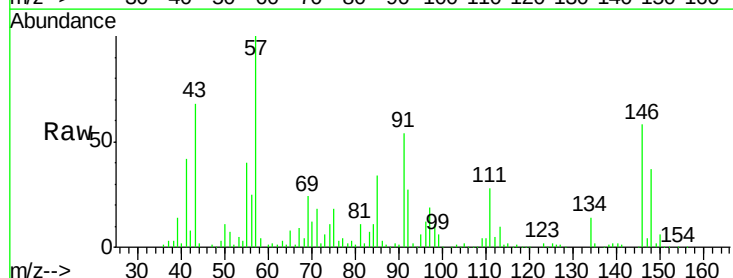
Instrument :
BNA_F
ClientSampleId :
SB-04-6.5-7.0-070115MS

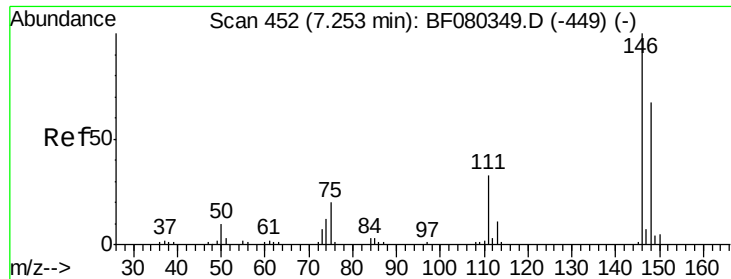
Tgt Ion: 93 Resp: 83946
Ion Ratio Lower Upper
93 100
63 66.9 71.3 111.3#
95 47.7 11.3 51.3



#12
1,3-Dichlorobenzene
Concen: 34.35 ng
RT: 7.15 min Scan# 443
Delta R.T. 0.00 min
Lab File: BF080398.D
Acq: 8 Jul 2015 20:19

Tgt Ion: 146 Resp: 100795
Ion Ratio Lower Upper
146 100
148 63.4 51.4 77.0
75 31.2 21.5 32.3

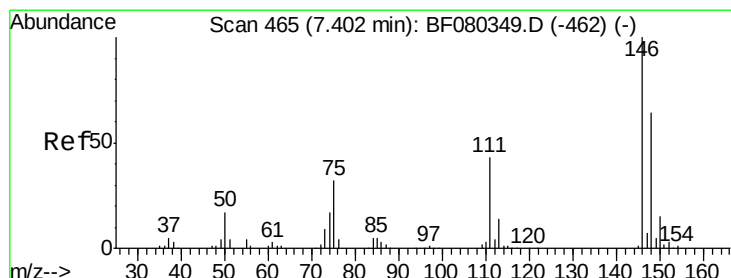
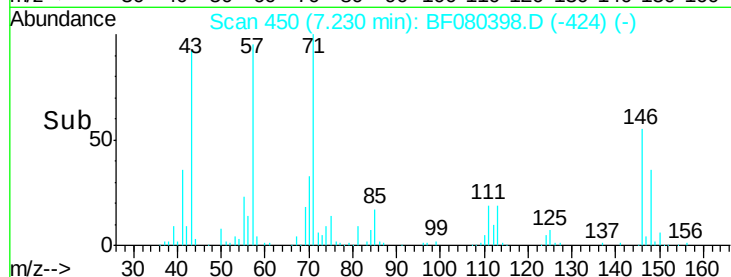
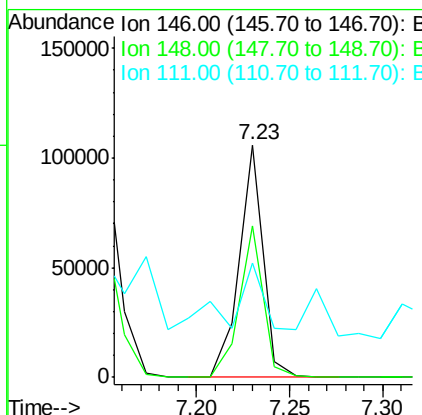
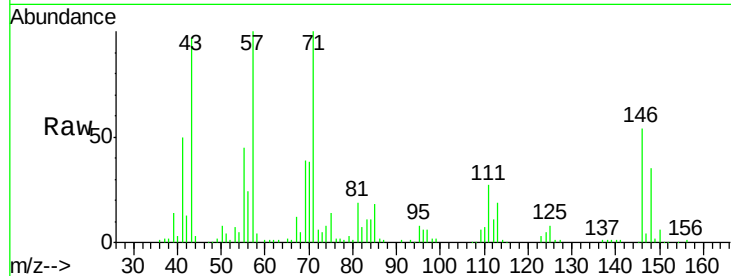




#13
 1,4-Dichlorobenzene
 Concen: 34.66 ng
 RT: 7.23 min Scan# 450
 Delta R.T. 0.00 min
 Lab File: BF080398.D
 Acq: 8 Jul 2015 20:19

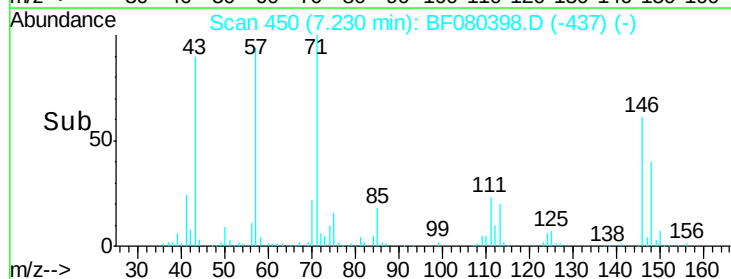
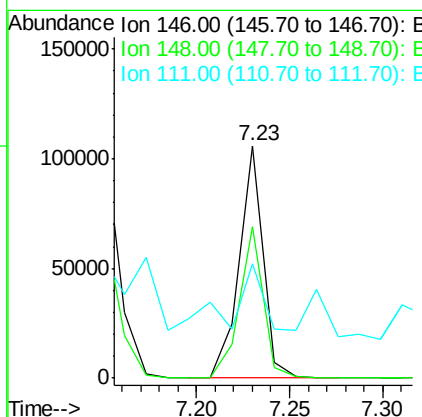
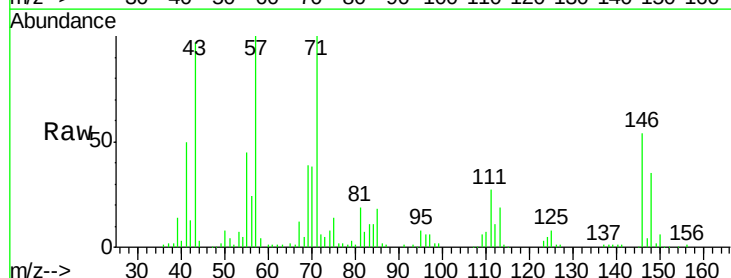
Instrument :
 BNA_F
 ClientSampleId :
 SB-04-6.5-7.0-070115MS

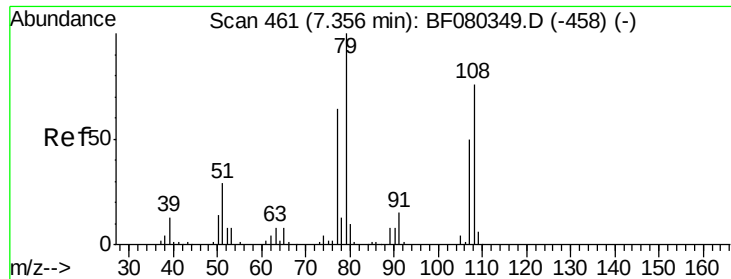
Tgt Ion:146 Resp: 94984
 Ion Ratio Lower Upper
 146 100
 148 65.3 53.4 80.0
 111 49.1 26.2 39.2#



#14
 1,2-Dichlorobenzene
 Concen: 34.24 ng
 RT: 7.23 min Scan# 450
 Delta R.T. -0.15 min
 Lab File: BF080398.D
 Acq: 8 Jul 2015 20:19

Tgt Ion:146 Resp: 94984
 Ion Ratio Lower Upper
 146 100
 148 65.3 51.3 76.9
 111 49.1 34.6 52.0





#15

Benzyl Alcohol

Concen: 61.21 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.00 min

Lab File: BF080398.D

Acq: 8 Jul 2015 20:19

Instrument :

BNA_F

ClientSampleId :

SB-04-6.5-7.0-070115MS

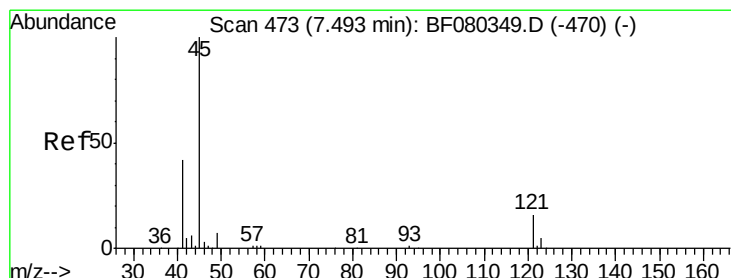
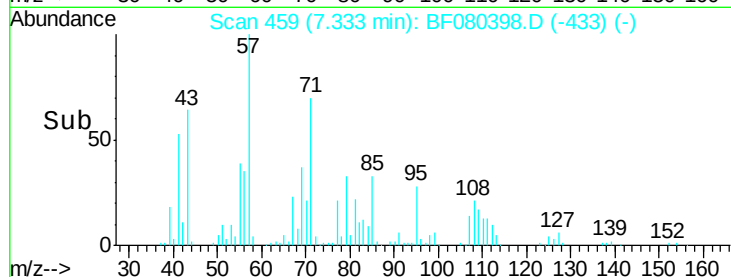
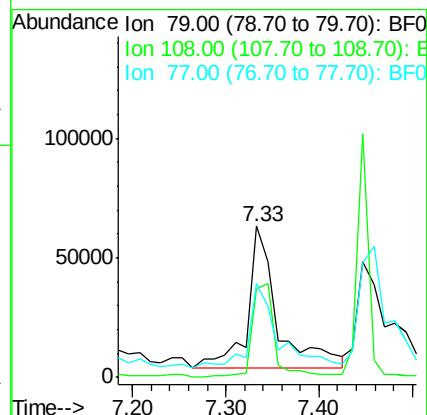
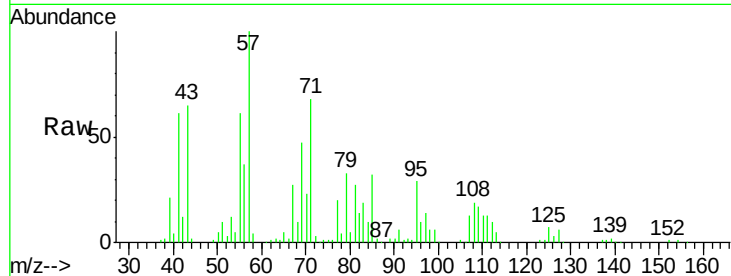
Tgt Ion: 79 Resp: 129522

Ion Ratio Lower Upper

79 100

108 59.0 60.6 90.8#

77 62.4 50.8 76.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 34.12 ng

RT: 7.48 min Scan# 472

Delta R.T. 0.00 min

Lab File: BF080398.D

Acq: 8 Jul 2015 20:19

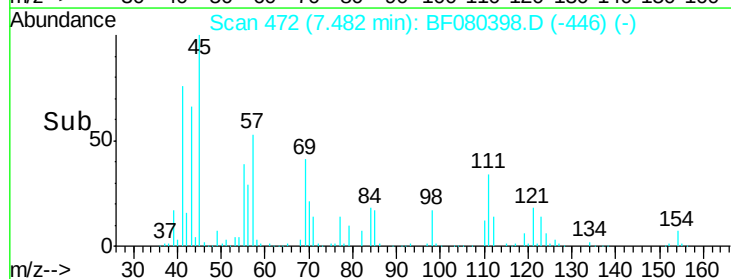
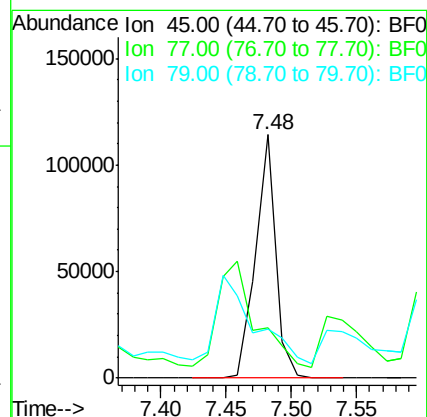
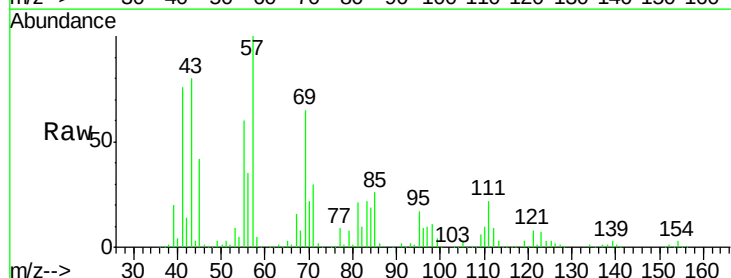
Tgt Ion: 45 Resp: 123364

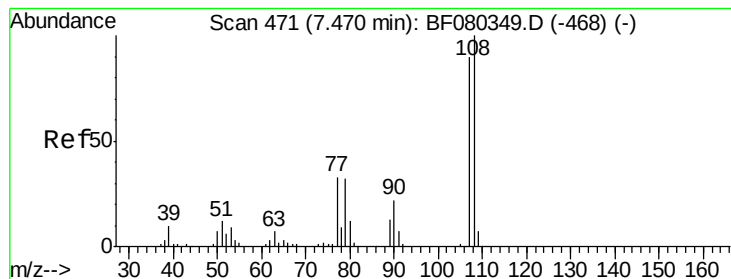
Ion Ratio Lower Upper

45 100

77 20.8 0.0 31.9

79 20.0 0.0 29.7





#17

2-Methylphenol

Concen: 40.85 ng

RT: 7.45 min Scan# 469

Delta R.T. 0.00 min

Lab File: BF080398.D

Acq: 8 Jul 2015 20:19

Instrument :

BNA_F

ClientSampleId :

SB-04-6.5-7.0-070115MS

Tgt Ion:107 Resp: 75682

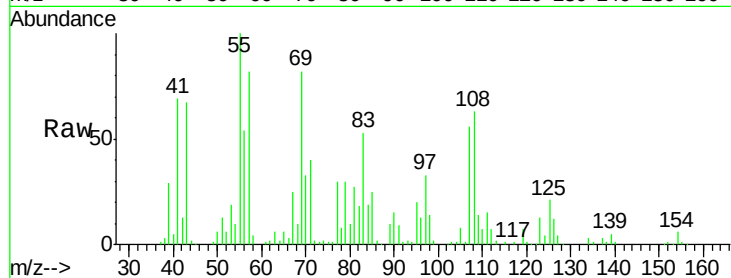
Ion Ratio Lower Upper

107 100

108 112.4 89.3 133.9

77 52.7 29.5 44.3#

79 53.3 28.6 43.0#



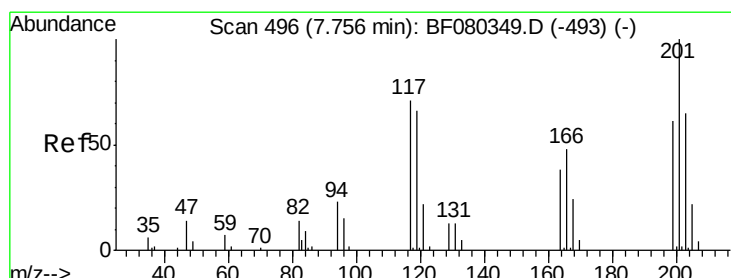
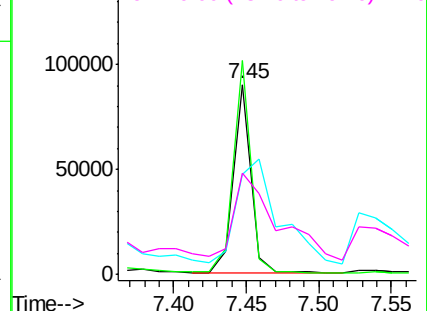
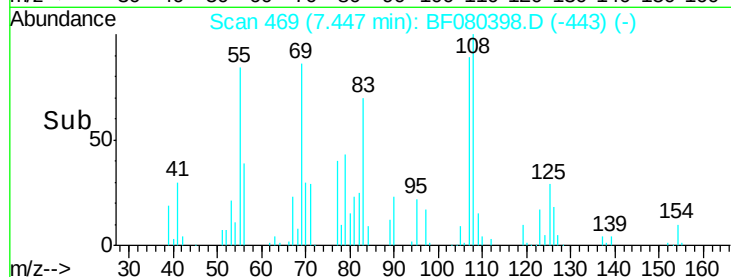
Abundance

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: 205.78 ng

RT: 7.74 min Scan# 495

Delta R.T. 0.01 min

Lab File: BF080398.D

Acq: 8 Jul 2015 20:19

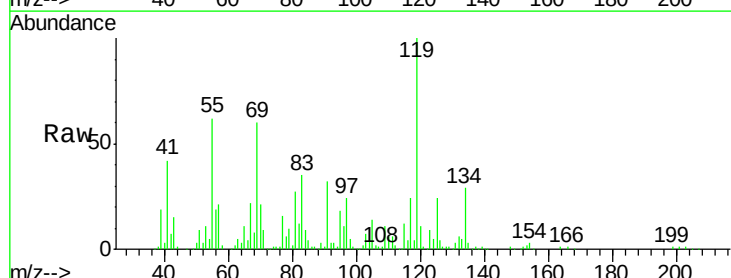
Tgt Ion:117 Resp: 181196

Ion Ratio Lower Upper

117 100

119 411.1 74.2 111.4#

201 5.7 112.4 168.6#

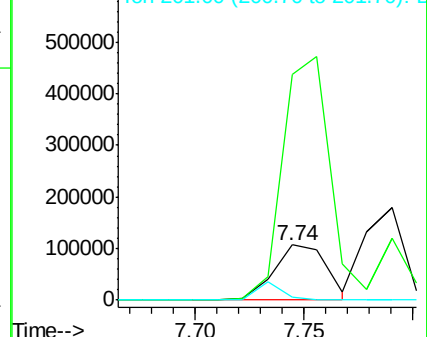
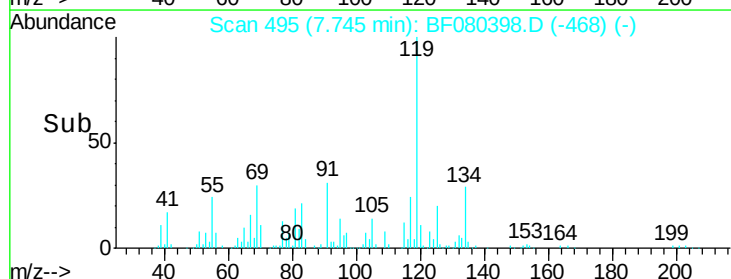


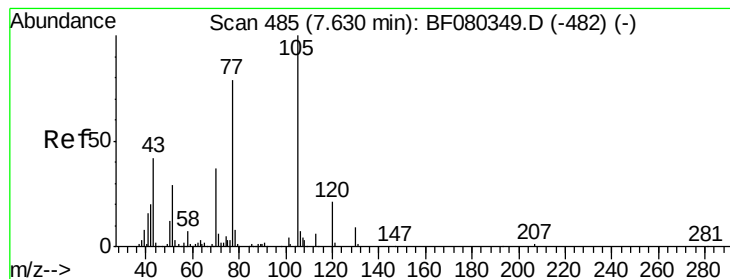
Abundance

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: 48.26 ng

RT: 7.61 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF080398.D

Acq: 8 Jul 2015 20:19

Instrument :

BNA_F

ClientSampleId :

SB-04-6.5-7.0-070115MS

Tgt Ion: 70 Resp: 85604

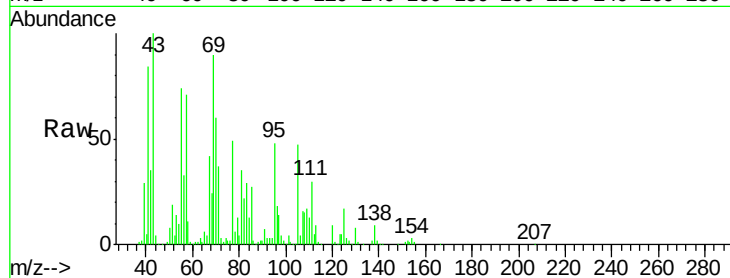
Ion Ratio Lower Upper

70 100

42 58.0 43.0 64.6

101 6.4 8.3 12.5#

130 13.6 20.2 30.2#

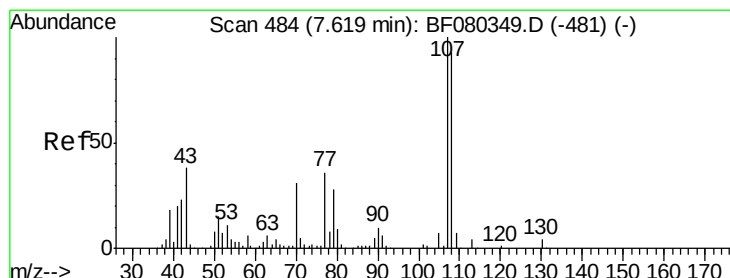
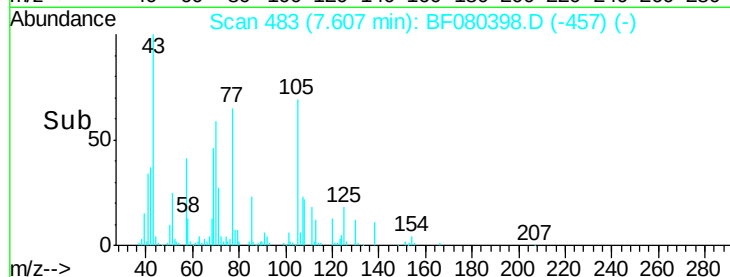
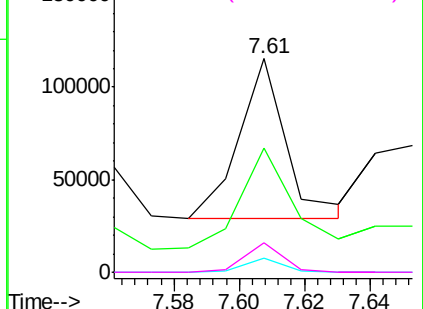


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#20

3+4-Methylphenols

Concen: 38.73 ng

RT: 7.60 min Scan# 482

Delta R.T. 0.00 min

Lab File: BF080398.D

Acq: 8 Jul 2015 20:19

Tgt Ion: 107 Resp: 100021

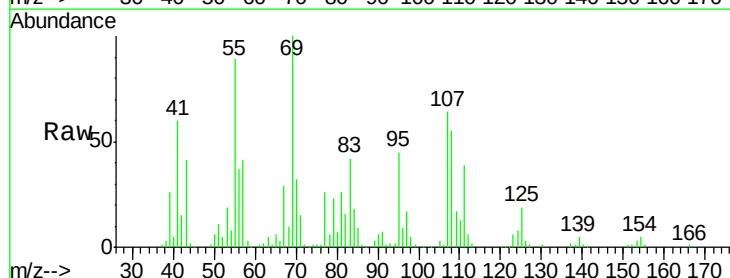
Ion Ratio Lower Upper

107 100

108 85.9 73.4 113.4

77 40.0 16.4 56.4

79 36.2 8.2 48.2



Abundance Ion 107.00 (106.70 to 107.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

